

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119901.D
 Acq On : 10 Apr 2020 18:12
 Operator : MA/SJ
 Sample : L2201-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Manual Integrations
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mohammad
 4/14/2020 3:39:07 PM

Quant Time: Apr 11 02:12:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160444	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	570477	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	330882	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	576458	20.00	ng	0.00
76) Chrysene-d12	13.93	240	386285	20.00	ng	0.00
87) Perylene-d12	15.36	264	332437	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	769299	82.86	ng	0.01
7) Phenol-d6	6.39	99	1086775	90.85	ng	0.00
23) Nitrobenzene-d5	7.32	82	666361	60.43	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	338269	83.50	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1329073	57.03	ng	0.00
79) Terphenyl-d14	12.87	244	1342429	58.48	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.51	88	174559	42.214	ng	97
3) Pyridine	3.22	79	477570	42.094	ng	96
4) n-Nitrosodimethylamine	3.18	42	284333	49.051	ng	97
6) Aniline	6.42	93	716356	45.624	ng	100
8) 2-Chlorophenol	6.54	128	594301	57.292	ng	99
9) Benzaldehyde	6.30	77	284672	48.653	ng	98
10) Phenol	6.40	94	743521	54.784	ng	98
11) bis(2-Chloroethyl)ether	6.49	93	554887	52.952	ng	98
12) 1,3-Dichlorobenzene	6.69	146	580844	51.146	ng	100
13) 1,4-Dichlorobenzene	6.77	146	587241	50.762	ng	99
14) 1,2-Dichlorobenzene	6.92	146	553425	51.909	ng	99
15) Benzyl Alcohol	6.90	79	485242	52.224	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.03	45	985845	48.346	ng	99
17) 2-Methylphenol	7.02	107	470564	50.832	ng	99
18) Hexachloroethane	7.26	117	220832	51.078	ng	99
19) n-Nitroso-di-n-propylamine	7.17	70	393270	51.122	ng	99
20) 3+4-Methylphenols	7.17	107	573851	50.685	ng	99
22) Acetophenone	7.17	105	760408	56.922	ng	97
24) Nitrobenzene	7.34	77	597875	53.897	ng	96
25) Isophorone	7.59	82	1044262	49.125	ng	99
26) 2-Nitrophenol	7.66	139	290113	52.348	ng	94
27) 2,4-Dimethylphenol	7.70	122	454215	54.342	ng	98
28) bis(2-Chloroethoxy)methane	7.79	93	659532	52.726	ng	99
29) 2,4-Dichlorophenol	7.90	162	445626	52.013	ng	97
30) 1,2,4-Trichlorobenzene	7.98	180	482089	49.660	ng	99
31) Naphthalene	8.06	128	1524718	50.799	ng	99
32) Benzoic acid	7.84	122	376262	51.256	ng	94
33) 4-Chloroaniline	8.11	127	454756	34.803	ng	99
34) Hexachlorobutadiene	8.18	225	288495	49.645	ng	99
35) Caprolactam	8.49	113	141505m	53.993	ng	
36) 4-Chloro-3-methylphenol	8.60	107	494237	53.282	ng	93
37) 2-Methylnaphthalene	8.76	142	1030581	50.646	ng	98
38) 1-Methylnaphthalene	8.85	142	1068220	55.695	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	497135	47.570	ng	98

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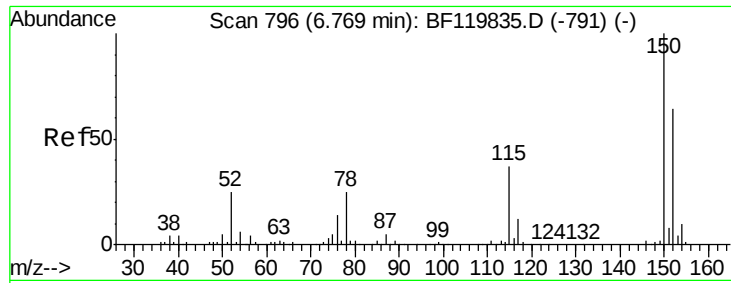
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
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 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.91	237	597444	100.535	ng	97
43) 2,4,6-Trichlorophenol	9.03	196	373485	51.753	ng	99
44) 2,4,5-Trichlorophenol	9.07	196	385545	47.434	ng	97
46) 1,1'-Biphenyl	9.22	154	1372668	49.150	ng	99
47) 2-Chloronaphthalene	9.25	162	1062492	49.385	ng	98
48) 2-Nitroaniline	9.34	65	392657	50.363	ng	95
49) Acenaphthylene	9.66	152	1677061	51.256	ng	99
50) Dimethylphthalate	9.53	163	1430829	55.907	ng	100
51) 2,6-Dinitrotoluene	9.59	165	286844	51.181	ng	93
52) Acenaphthene	9.83	154	1212201m	55.539	ng	
53) 3-Nitroaniline	9.75	138	231733	36.203	ng	99
54) 2,4-Dinitrophenol	9.86	184	357028	106.404	ng	93
55) Dibenzofuran	10.00	168	1513167	50.522	ng	99
56) 4-Nitrophenol	9.93	139	480783	100.950	ng	92
57) 2,4-Dinitrotoluene	9.99	165	374550	50.725	ng	95
58) Fluorene	10.35	166	1180058	49.265	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.12	232	323437	52.029	ng	99
60) Diethylphthalate	10.23	149	1301160	49.053	ng	100
61) 4-Chlorophenyl-phenylether	10.34	204	549652	44.771	ng	95
62) 4-Nitroaniline	10.37	138	307283	50.374	ng	99
63) Azobenzene	10.50	77	1218054	51.239	ng	98
65) 4,6-Dinitro-2-methylphenol	10.40	198	224553	59.128	ng	82
66) n-Nitrosodiphenylamine	10.46	169	1071851	55.909	ng	98
67) 4-Bromophenyl-phenylether	10.83	248	367892	51.318	ng	95
68) Hexachlorobenzene	10.90	284	391040	53.770	ng	# 93
69) Atrazine	10.99	200	300469	56.330	ng	97
70) Pentachlorophenol	11.09	266	409846	97.792	ng	99
71) Phenanthrene	11.31	178	1564843	51.006	ng	98
72) Anthracene	11.36	178	1615510	51.546	ng	99
73) Carbazole	11.52	167	1505480	50.795	ng	99
74) Di-n-butylphthalate	11.85	149	1864600	47.856	ng	100
75) Fluoranthene	12.50	202	1712552	51.734	ng	98
77) Benzidine	12.62	184	1030443	78.916	ng	96
78) Pyrene	12.73	202	1674948	51.435	ng	99
80) Butylbenzylphthalate	13.35	149	751447	47.556	ng	99
81) Benzo(a)anthracene	13.92	228	1301174	51.203	ng	100
82) 3,3'-Dichlorobenzidine	13.88	252	342642	36.136	ng	97
83) Chrysene	13.96	228	1313752	50.879	ng	99
84) Bis(2-ethylhexyl)phthalate	13.91	149	955433	44.650	ng	96
85) Di-n-octyl phthalate	14.53	149	1542315	42.331	ng	100
86) Indeno(1,2,3-cd)pyrene	16.77	276	1147805	50.428	ng	100
88) Benzo(b)fluoranthene	14.95	252	1329491	55.593	ng	99
89) Benzo(k)fluoranthene	14.98	252	1225150	59.375	ng	100
90) Benzo(a)pyrene	15.30	252	1050430	52.241	ng	99
91) Dibenzo(a,h)anthracene	16.79	278	942267	52.904	ng	98
92) Benzo(g,h,i)perylene	17.20	276	1040406	59.177	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

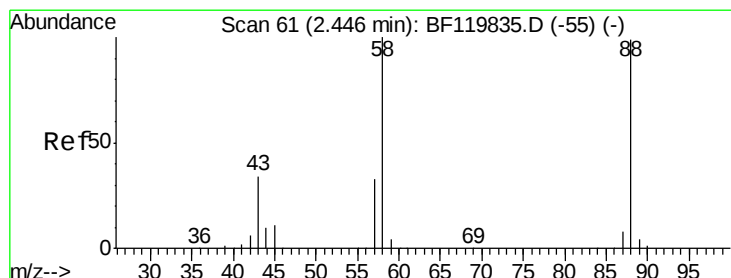
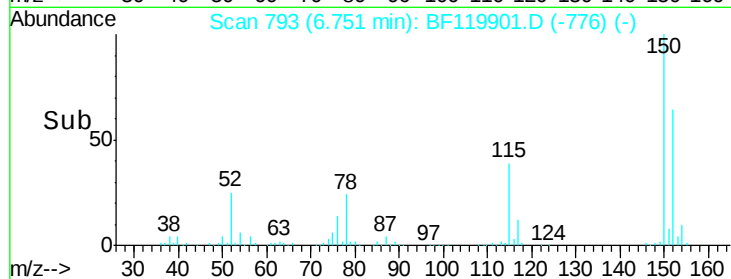
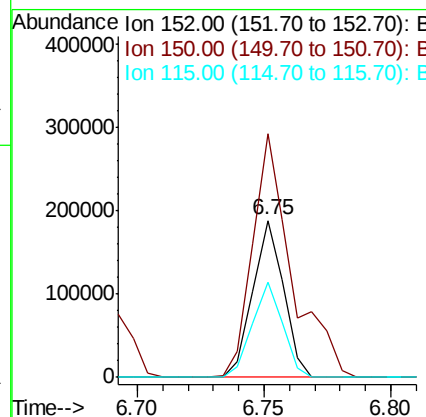
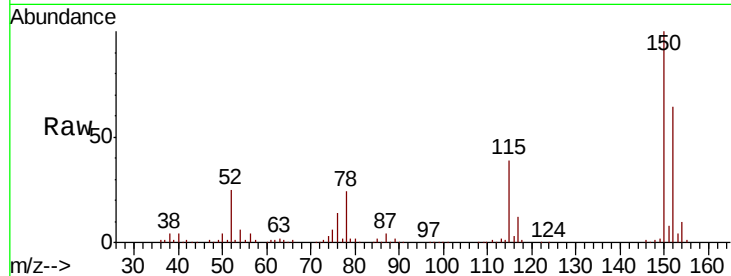
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.8	187.2
115	60.4	46.5	69.7

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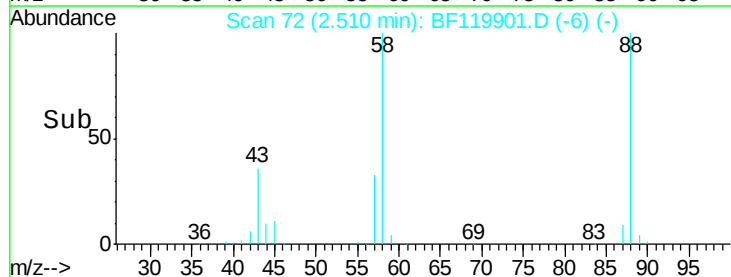
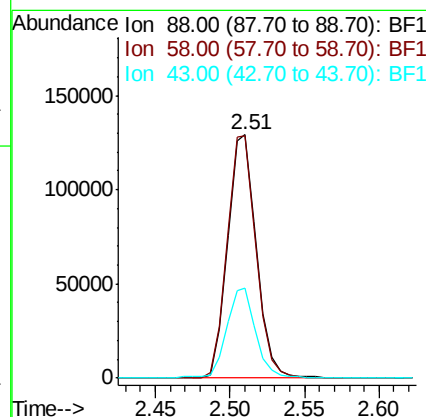
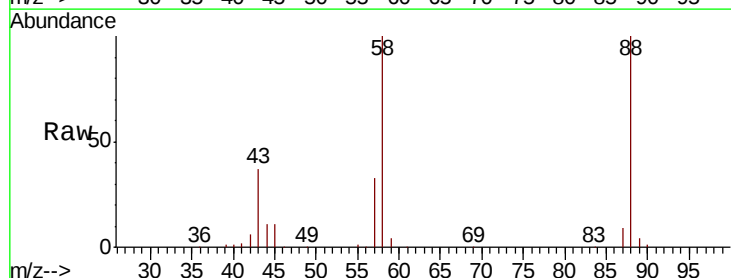
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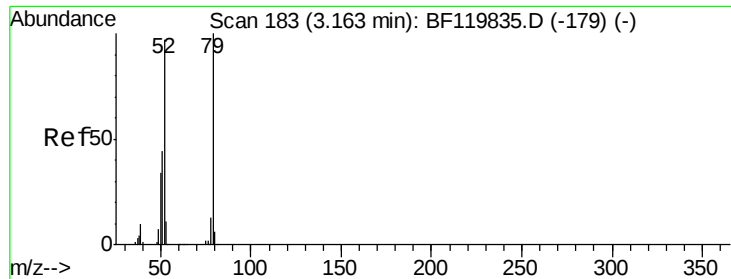


#2

1,4-Dioxane
Concen: 42.214 ng
RT: 2.51 min Scan# 72
Delta R.T. 0.09 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.2	82.6	123.8
43	37.6	28.6	42.8





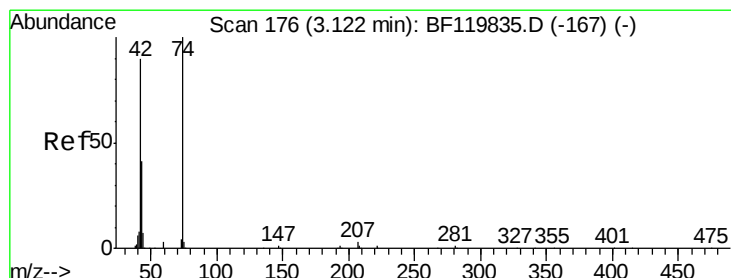
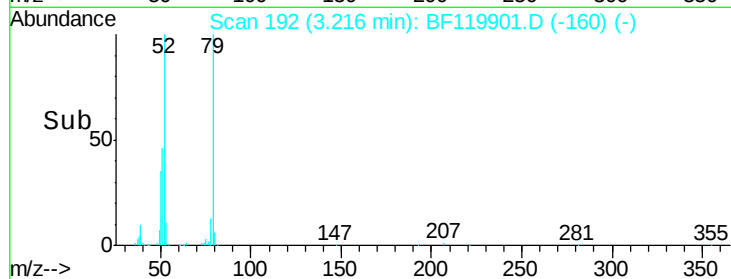
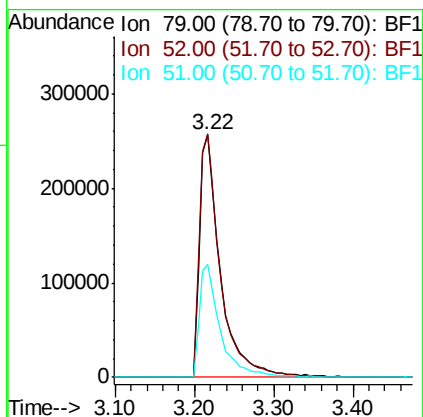
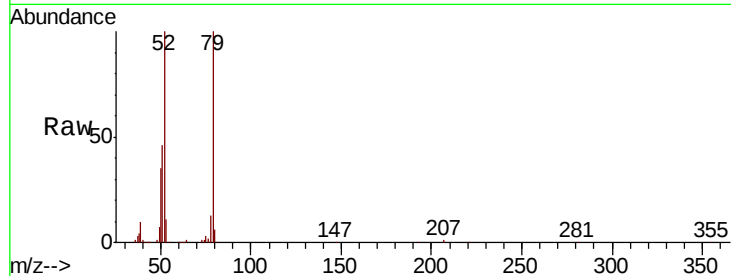
#3
 Pvridine
 Concen: 42.094 ng
 RT: 3.22 min Scan# 192
 Delta R.T. 0.09 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	100.2	77.4	116.0	
51	46.4	35.3	52.9	

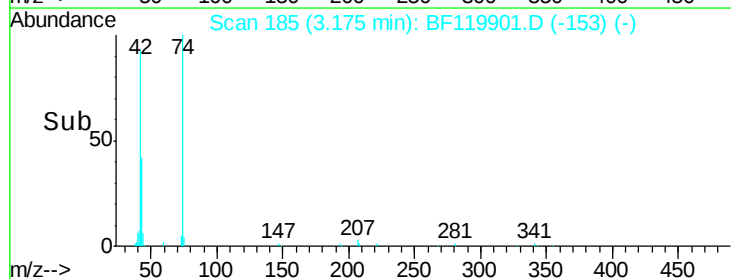
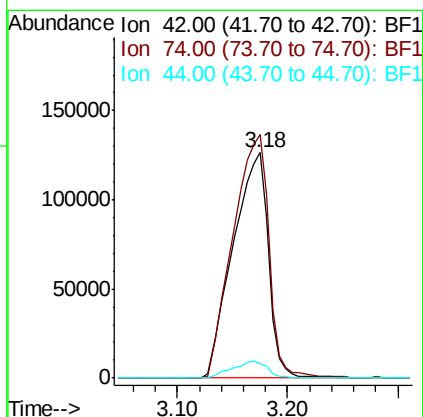
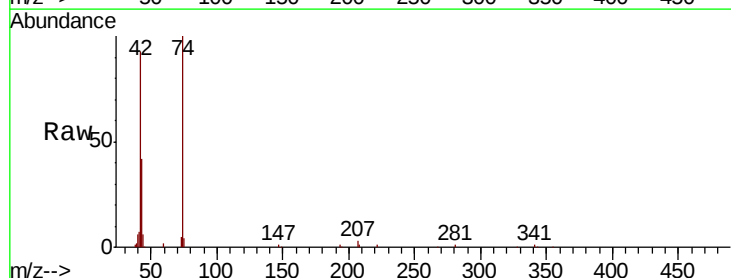
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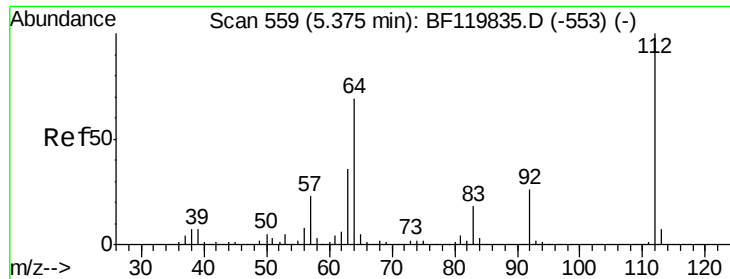
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#4
 n-Nitrosodimethylamine
 Concen: 49.051 ng
 RT: 3.18 min Scan# 185
 Delta R.T. 0.09 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	108.1	89.0	133.4	
44	6.5	6.2	9.4	





#5

2-Fluorophenol

Concen: 82.863 ng

RT: 5.37 min Scan# 558

Delta R.T. 0.01 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

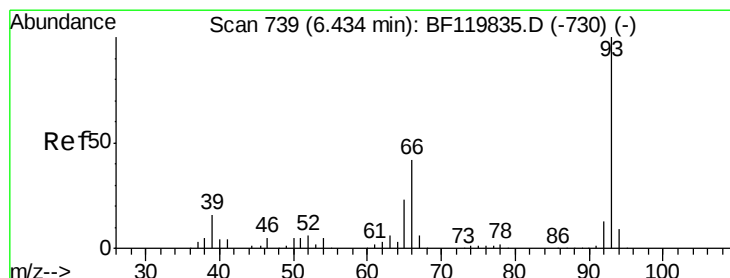
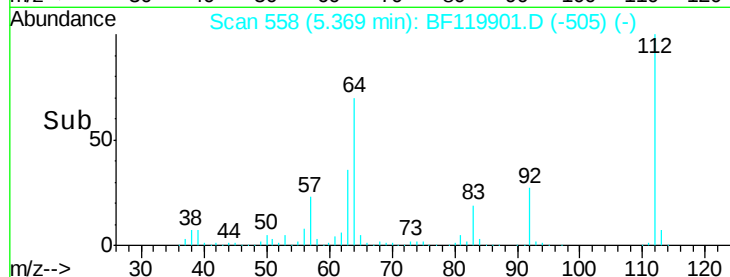
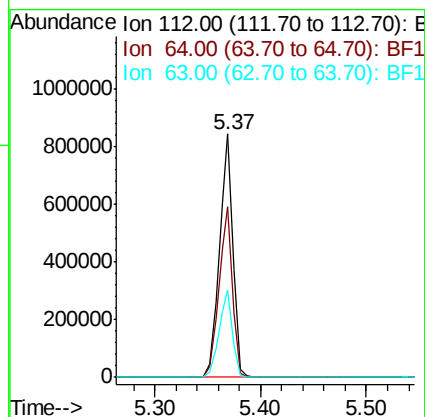
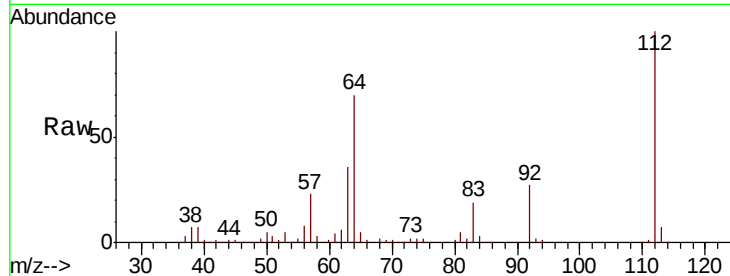
ClientSampleId :

CG-SUBMS

Tot Ion:	112	Resp:	769299
Ion Ratio	Lower	Upper	
112	100		
64	69.9	55.5	83.3
63	35.8	29.1	43.7

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#6

Aniline

Concen: 45.624 ng

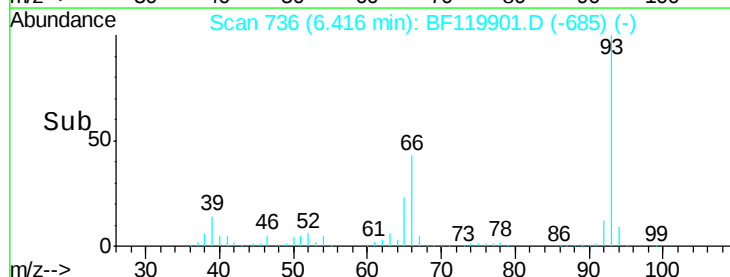
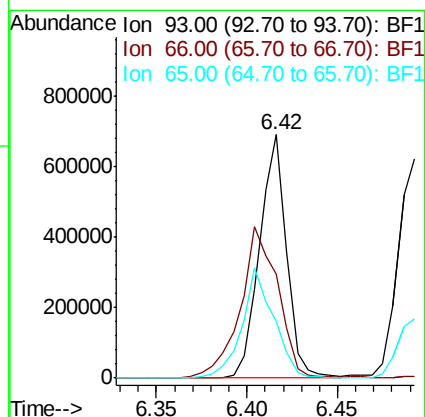
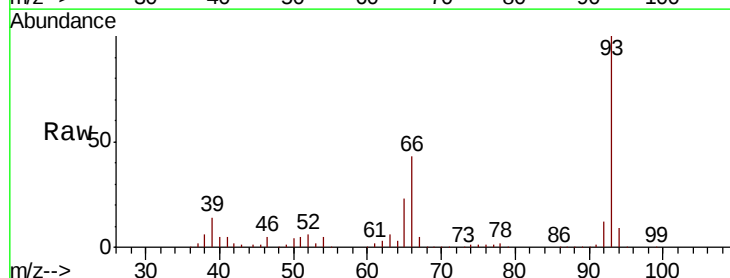
RT: 6.42 min Scan# 736

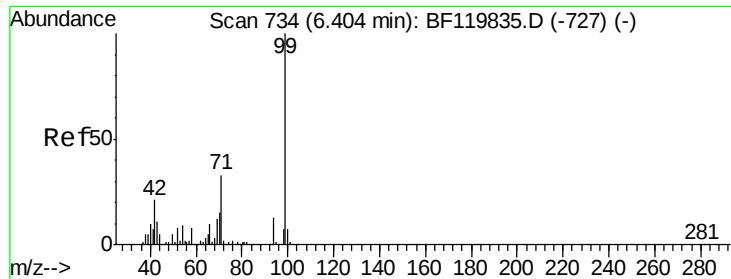
Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Tgt Ion:	93	Resp:	716356
Ion Ratio	Lower	Upper	
93	100		
66	42.9	34.2	51.2
65	23.0	18.3	27.5





#7

Phenol-d6

Concen: 90.846 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion: 99 Resp: 1086775

Ion Ratio Lower Upper

99 100

42 19.9 16.9 25.3

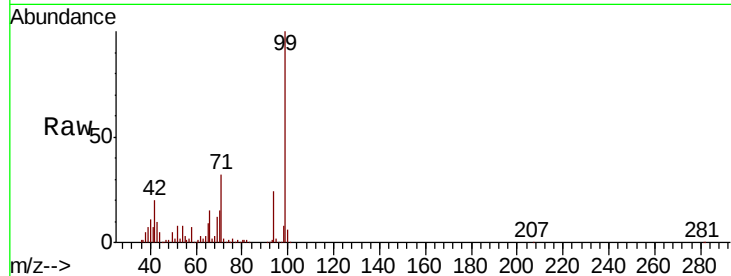
71 31.9 26.3 39.5

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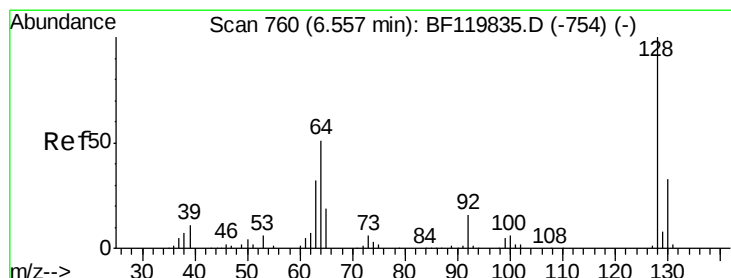
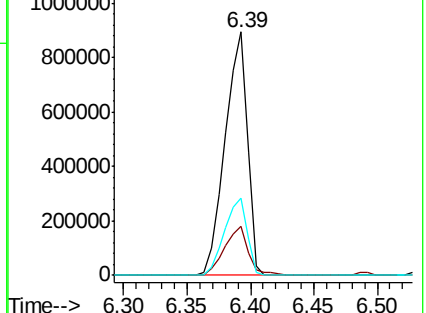
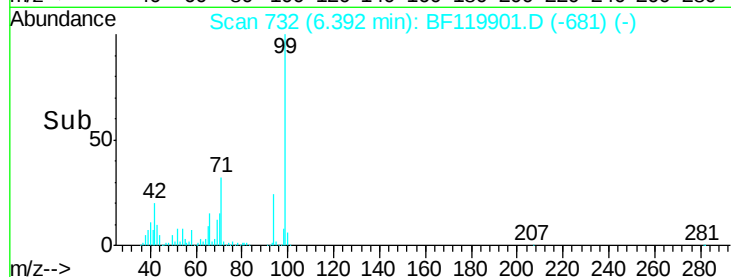
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1200000
Ion 42.00 (41.70 to 42.70): BF1
1000000
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 57.292 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

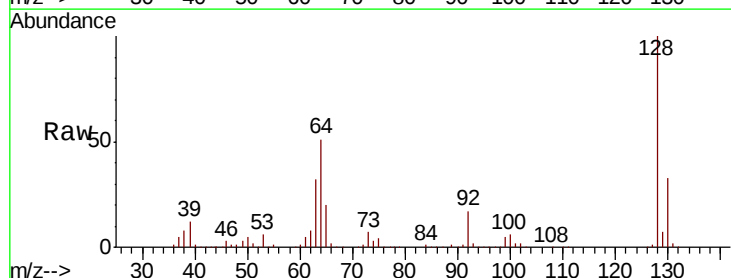
Tgt Ion: 128 Resp: 594301

Ion Ratio Lower Upper

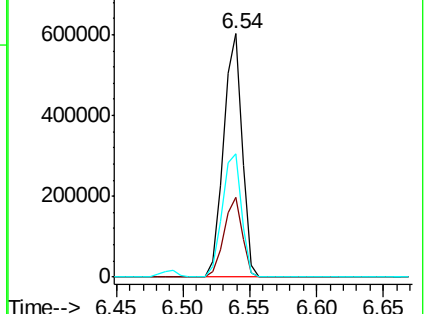
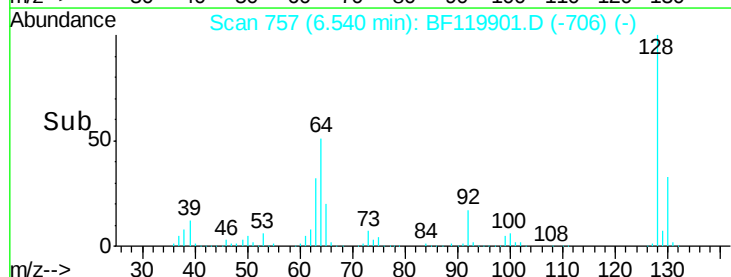
128 100

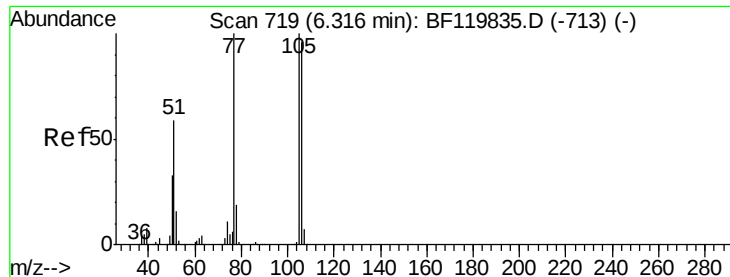
130 32.8 12.6 52.6

64 50.7 32.0 72.0



Abundance Ion 128.00 (127.70 to 128.70): E
800000
Ion 130.00 (129.70 to 130.70): E
600000
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 48.653 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion: 77 Resp: 284672

Ion Ratio Lower Upper

77 100

105 97.8 79.9 119.9

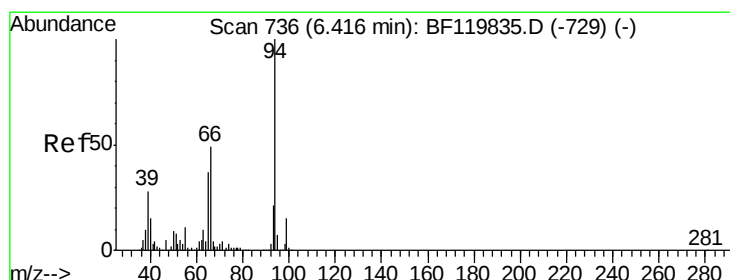
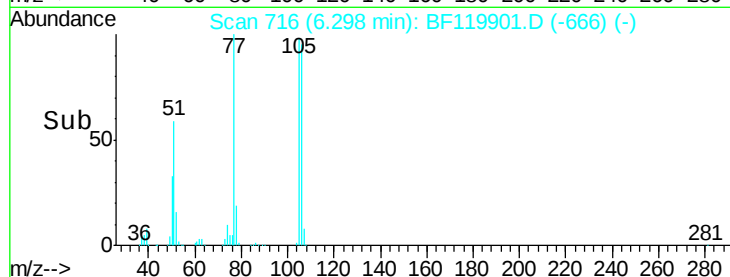
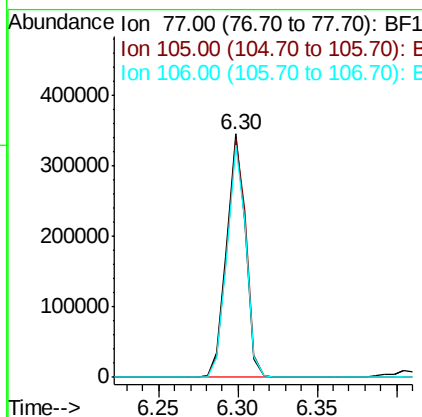
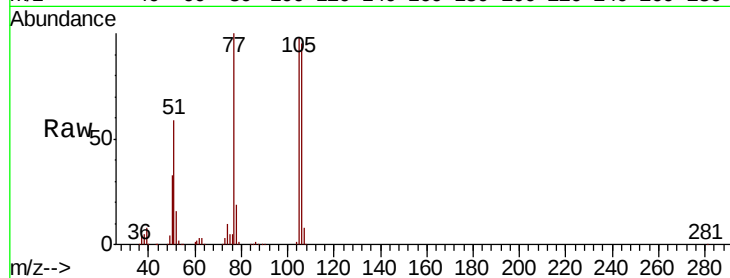
106 95.4 76.4 116.4

Manual Integrations

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#10

Phenol

Concen: 54.784 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

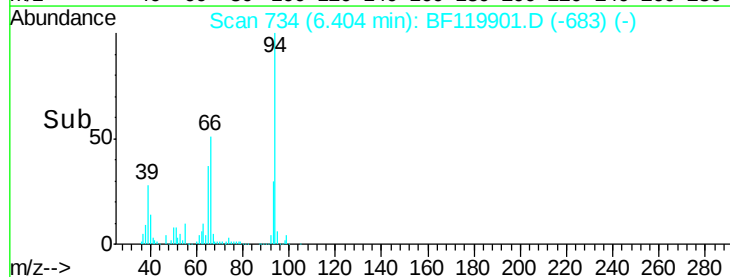
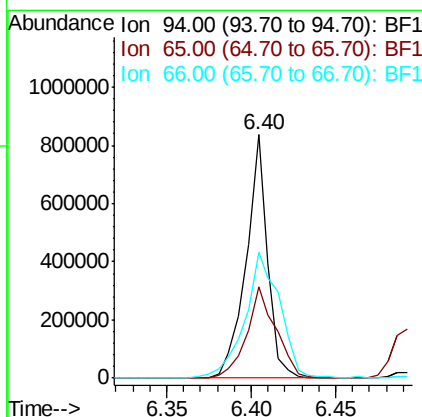
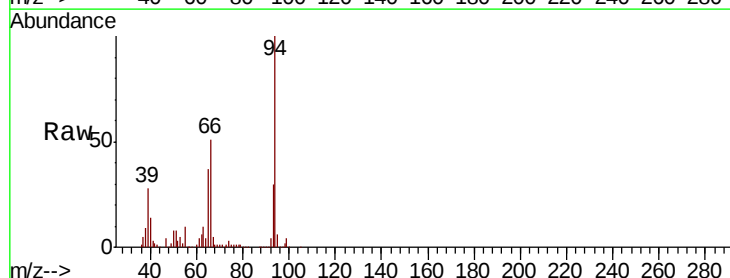
Tgt Ion: 94 Resp: 743521

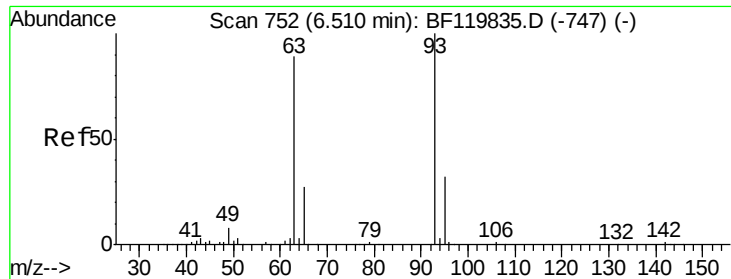
Ion Ratio Lower Upper

94 100

65 37.3 16.6 56.6

66 51.4 29.3 69.3





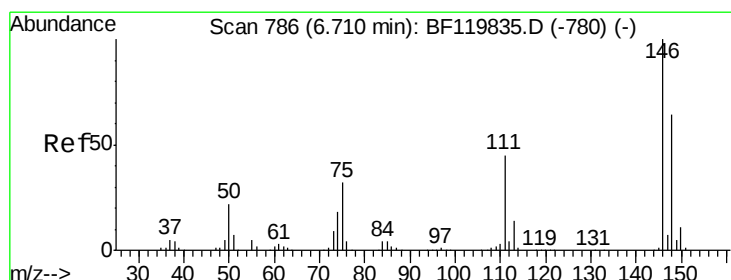
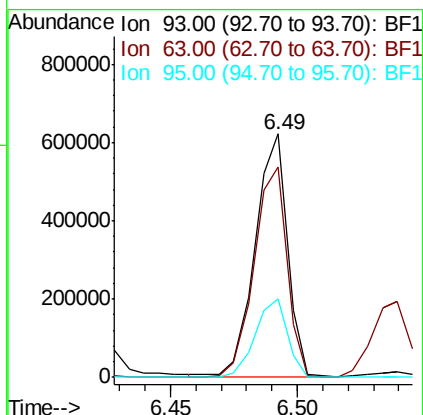
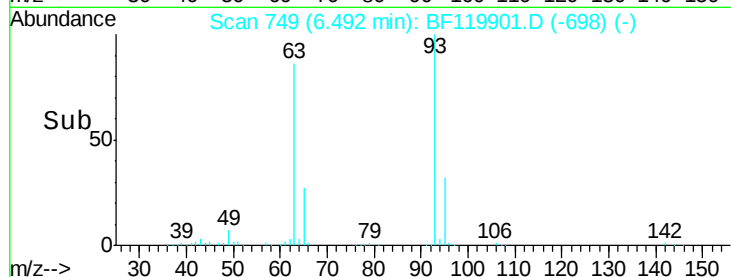
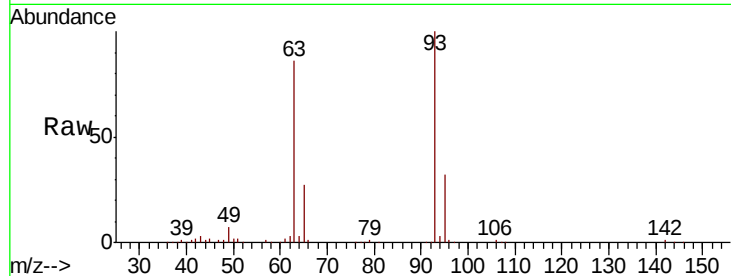
#11
bis(2-Chloroethyl)ether
Concen: 52.952 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		554887		
63	86.1	69.1	109.1		
95	32.1	12.3	52.3		

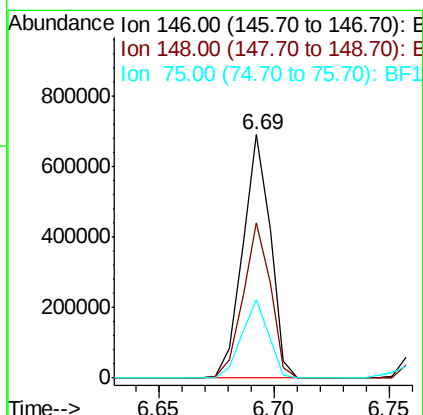
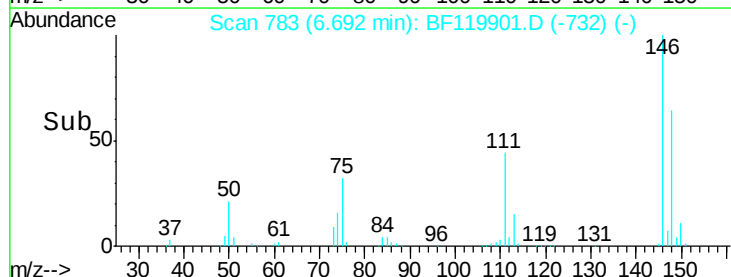
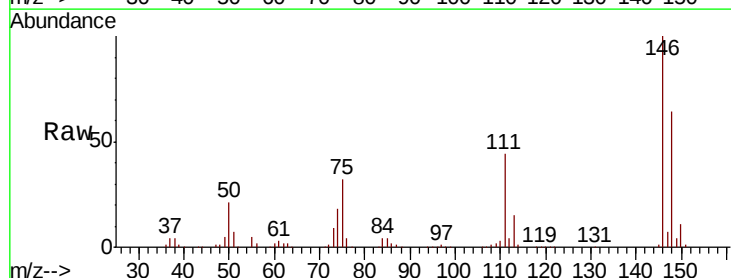
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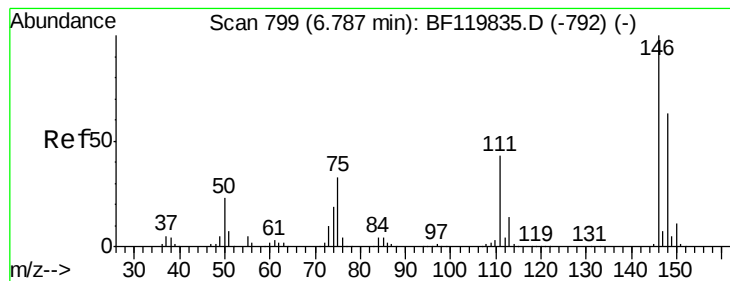
mohammad
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#12
1,3-Dichlorobenzene
Concen: 51.146 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		580844		
148	64.0	51.3	76.9		
75	32.1	25.3	37.9		





#13

1,4-Dichlorobenzene

Concen: 50.762 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

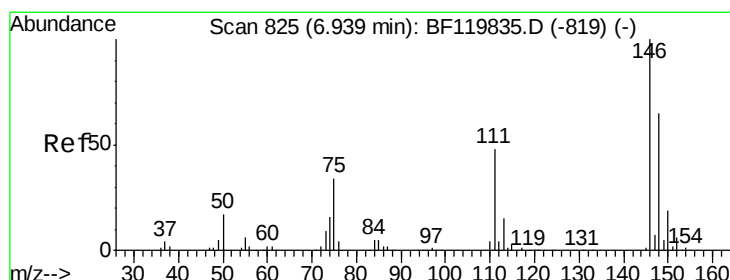
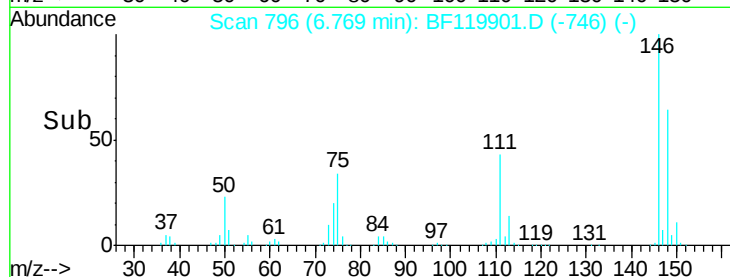
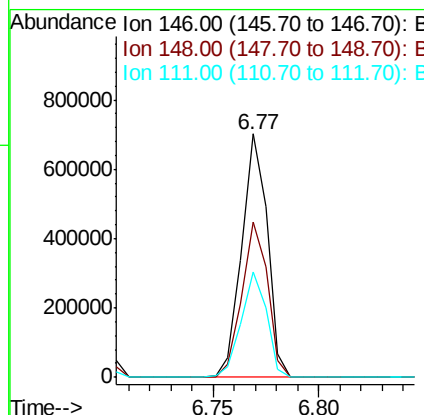
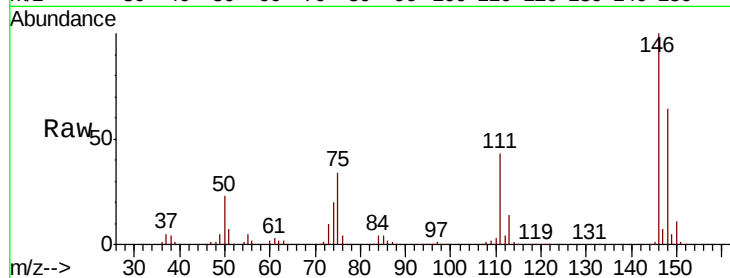
ClientSampleId :

CG-SUBMS

Tot Ion:	146	Resp:	587241
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.5	75.7
111	43.0	34.7	52.1

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#14

1,2-Dichlorobenzene

Concen: 51.909 ng

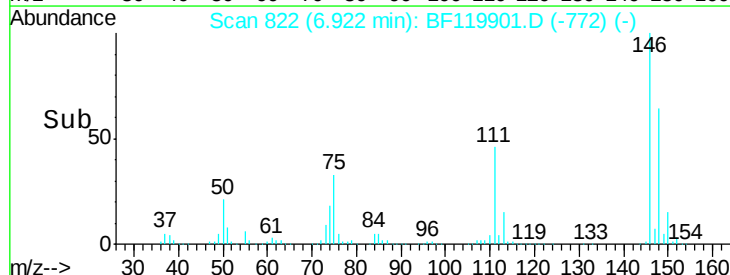
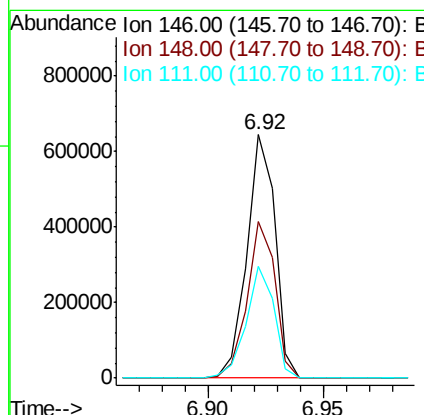
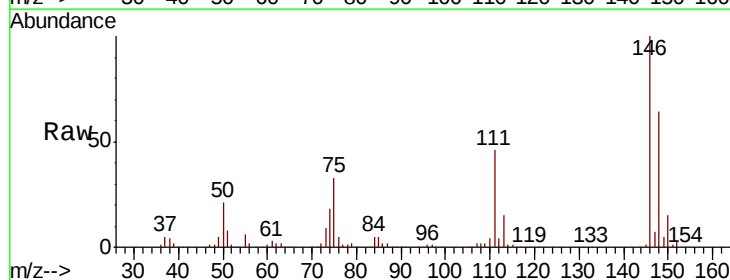
RT: 6.92 min Scan# 822

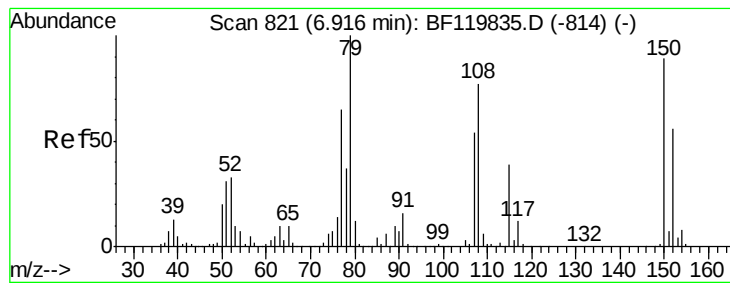
Delta R.T. -0.01 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Tgt Ion:	146	Resp:	553425
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.8	77.8
111	45.8	38.0	57.0





#15

Benzyl Alcohol

Concen: 52.224 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampled :

CG-SUBMS

Tot Ion: 79 Resp: 485242

Ion Ratio Lower Upper

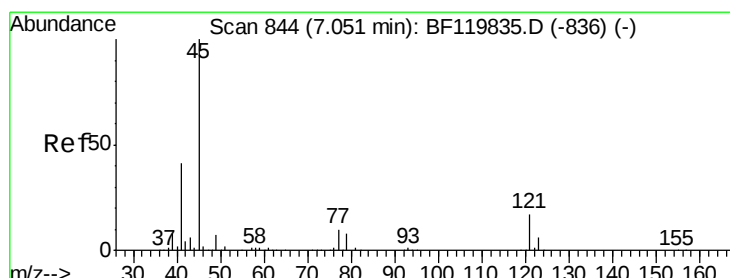
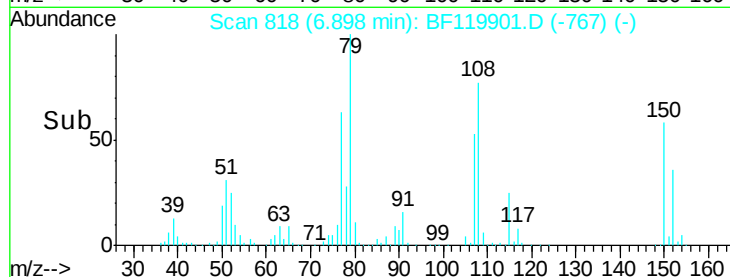
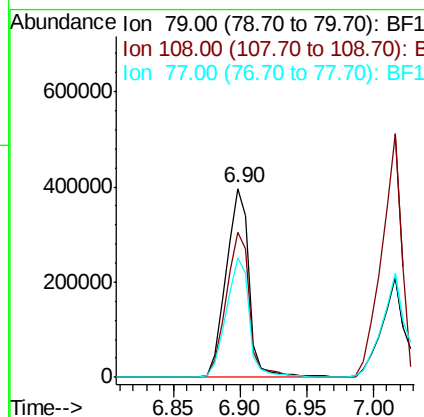
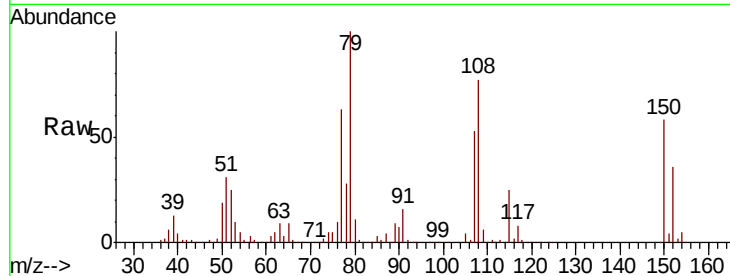
79 100

108 76.9 62.0 93.0

77 62.8 51.8 77.6

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#16

2,2'-oxybis(1-chloropropane)

Concen: 48.346 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

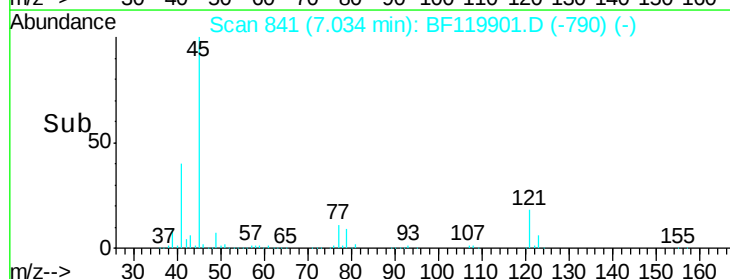
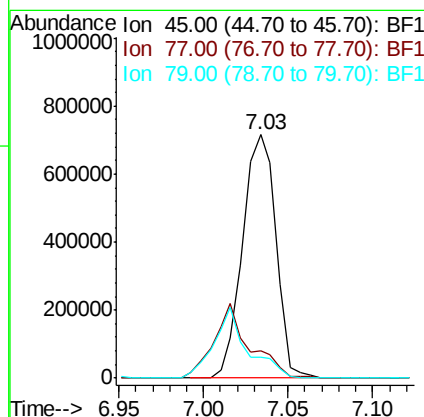
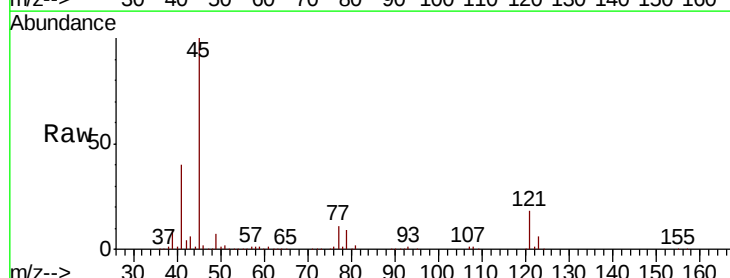
Tgt Ion: 45 Resp: 985845

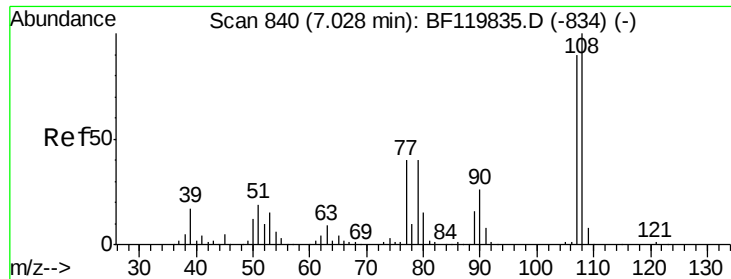
Ion Ratio Lower Upper

45 100

77 11.4 0.0 30.7

79 8.6 0.0 28.6





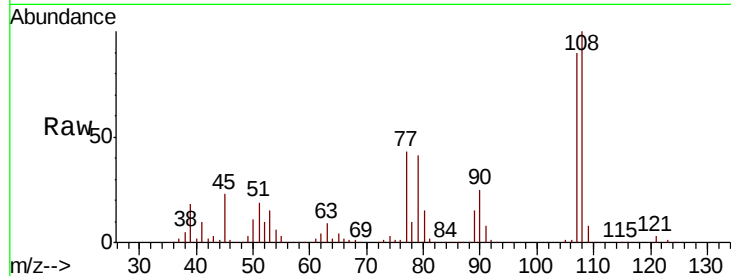
#17
2-Methylphenol
Concen: 50.832 ng
RT: 7.02 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107.00	100	470564		
108	108.00	110.8	88.8	133.2	
77	77.00	47.5	36.0	54.0	
79	79.00	45.5	35.7	53.5	

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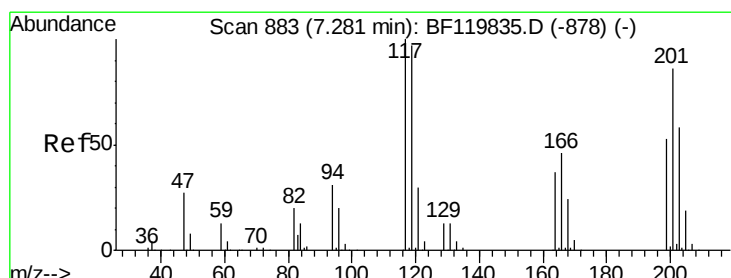
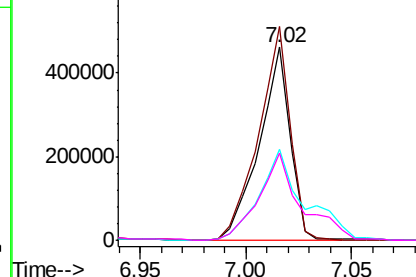
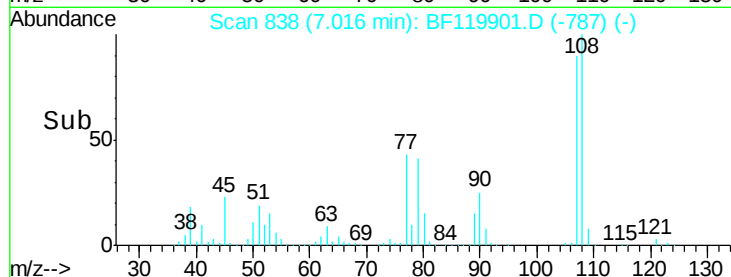
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

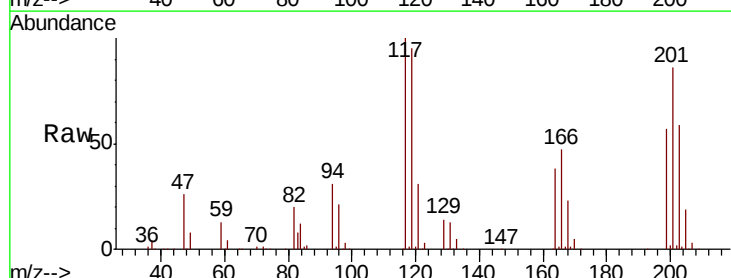
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 51.078 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117.00	100	220832		
119	119.00	94.7	77.4	116.0	
201	201.00	86.3	68.4	102.6	

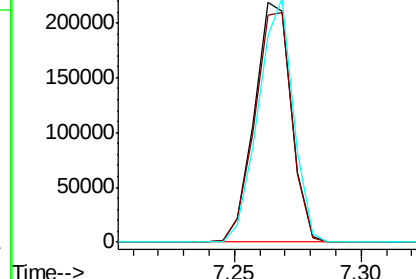
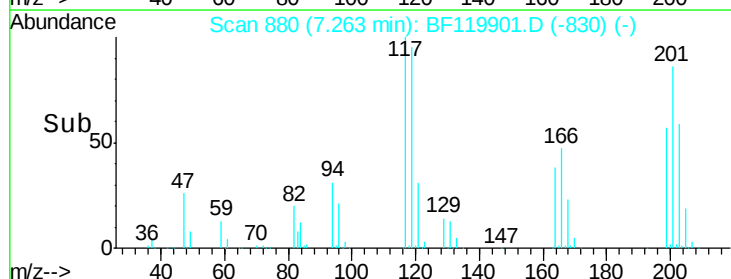


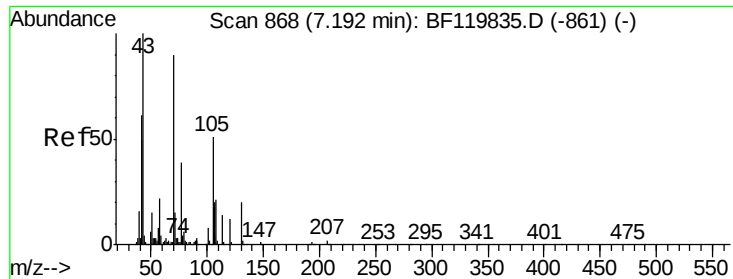
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





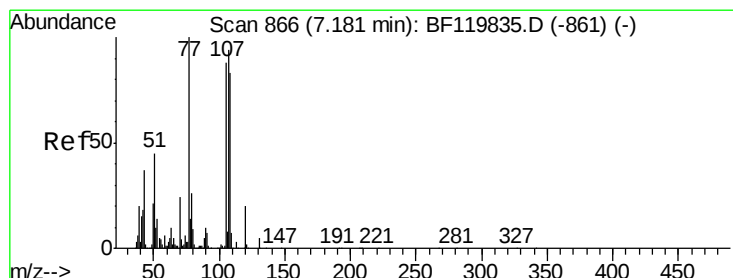
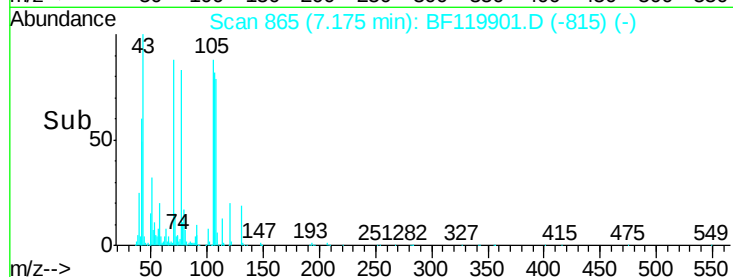
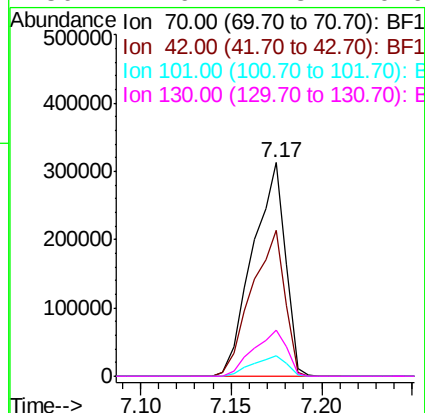
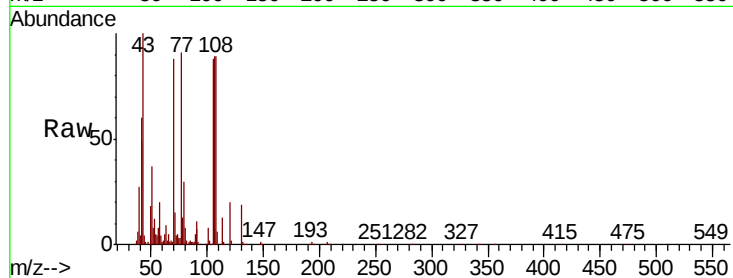
#19
n-Nitroso-di-n-propylamine
Concen: 51.122 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
70	100		
42	68.2	54.2	81.4
101	9.5	7.4	11.2
130	21.6	17.8	26.6

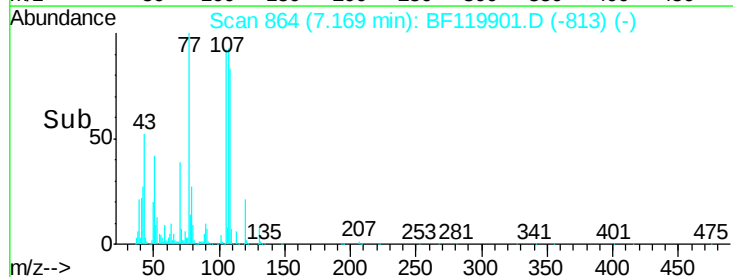
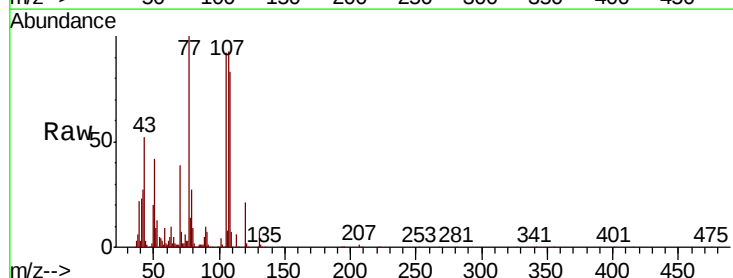
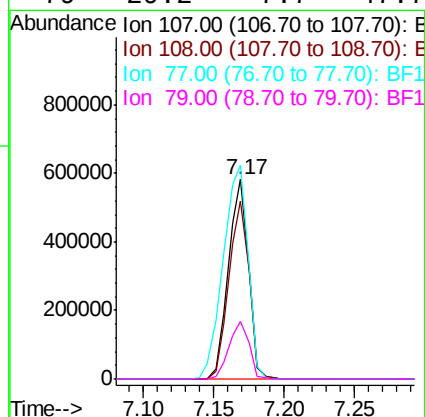
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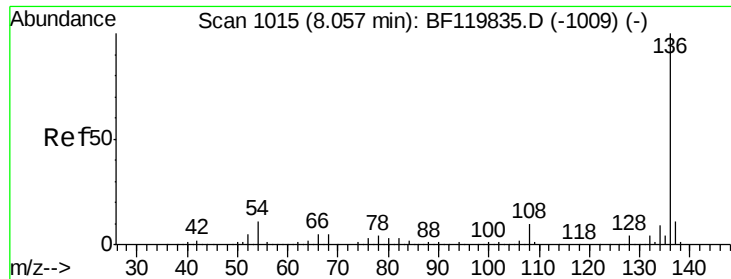
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#20
3+4-Methylphenols
Concen: 50.685 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.2	108.2
77	107.3	86.6	126.6
79	29.2	7.7	47.7





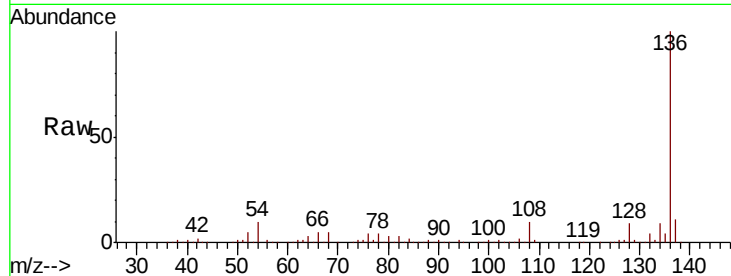
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

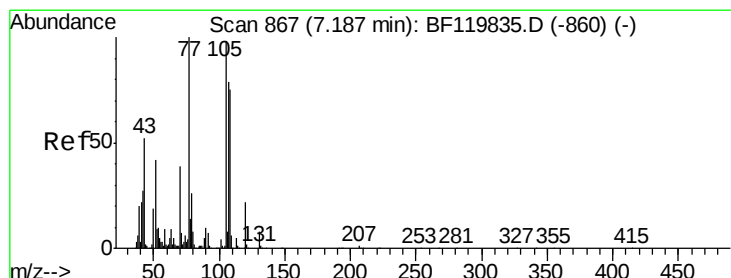
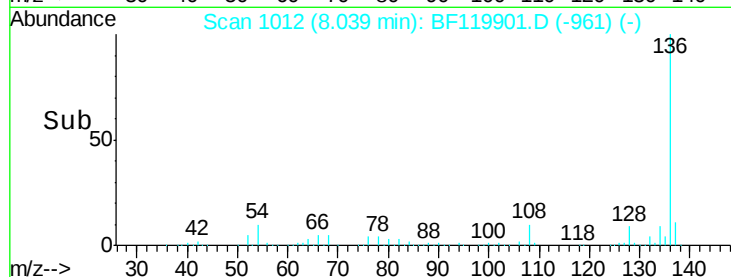
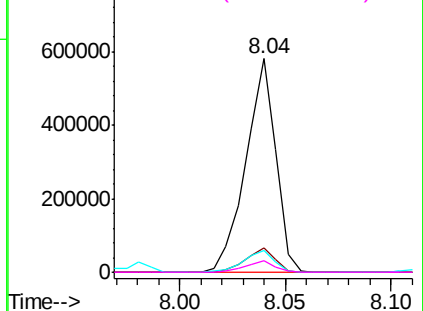
Tot Ion	Ratio	Resp	Lower	Upper
136	100	570477		
137	11.2		8.7	13.1
54	10.3		8.5	12.7
68	5.5		3.9	5.9

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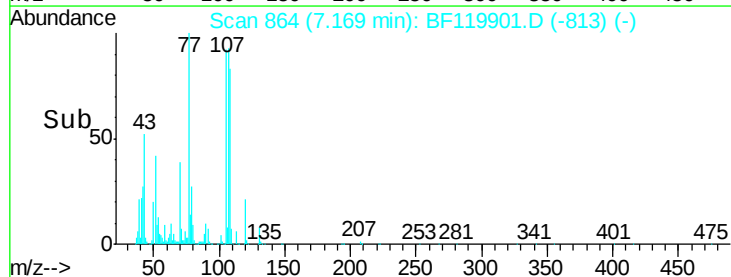
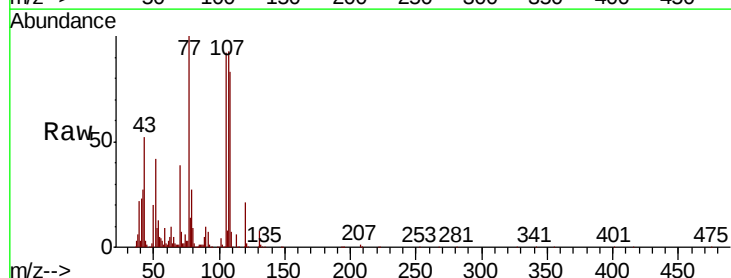
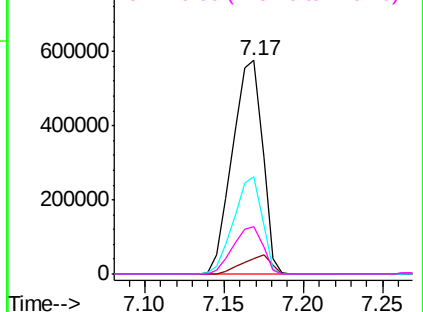
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

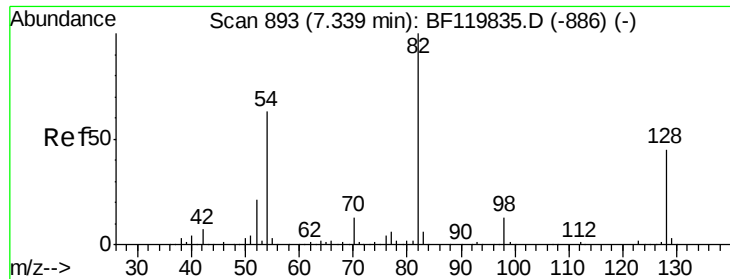


#22
Acetophenone
Concen: 56.922 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	760408		
71	7.0		5.6	8.4
51	45.3		33.9	50.9
120	22.4		17.8	26.8

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





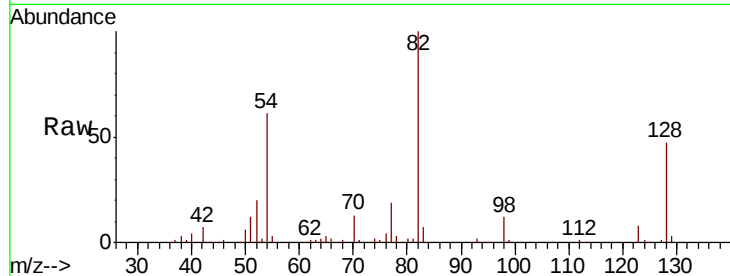
#23
 Nitrobenzene-d5
 Concen: 60.429 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

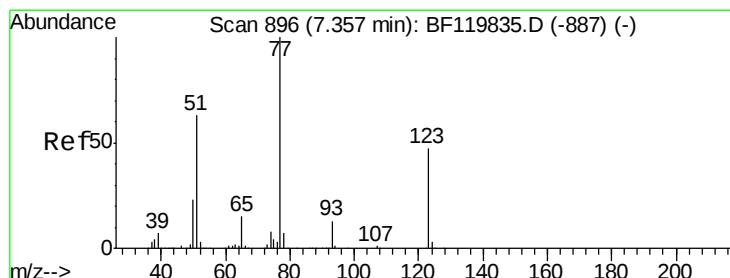
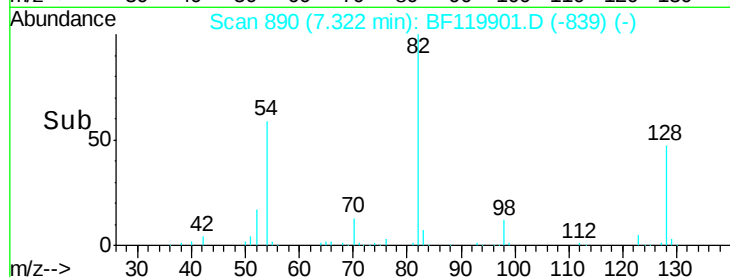
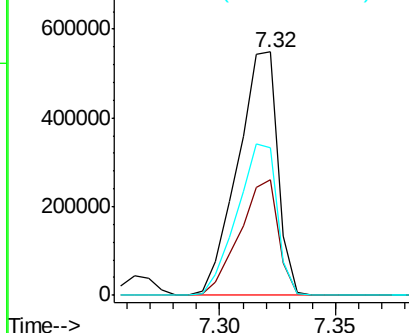
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.2	54.4
54	60.5	50.4	75.6

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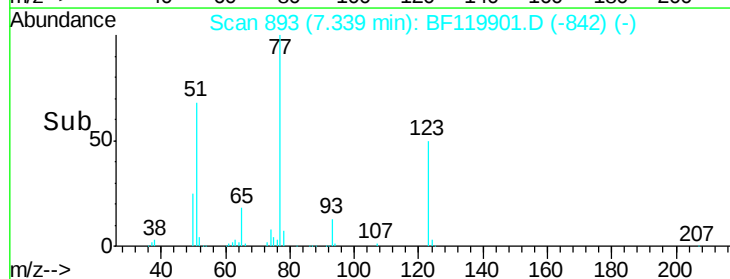
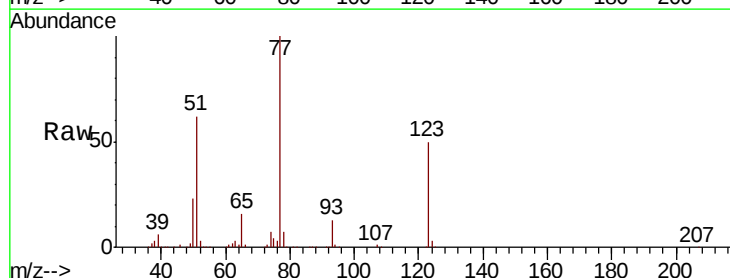
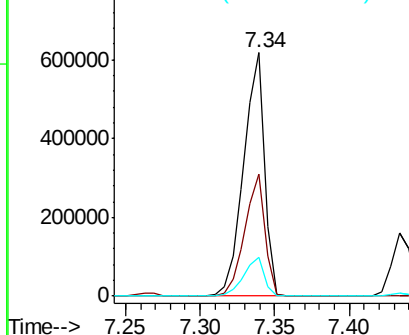
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

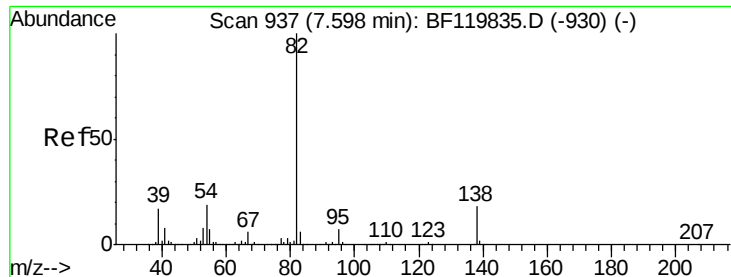


#24
 Nitrobenzene
 Concen: 53.897 ng
 RT: 7.34 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.3	37.8	56.8
65	15.8	12.2	18.2

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 49.125 ng

RT: 7.59 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleID :

CG-SUBMS

Tot Ion: 82 Resp: 1044262

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

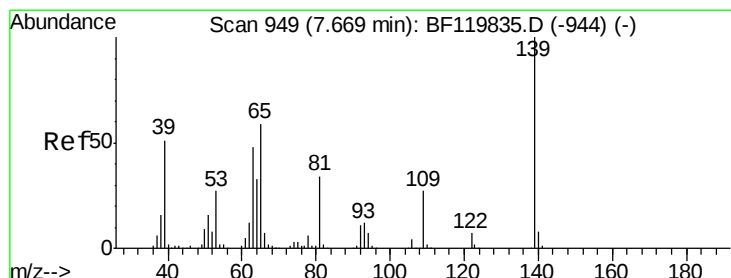
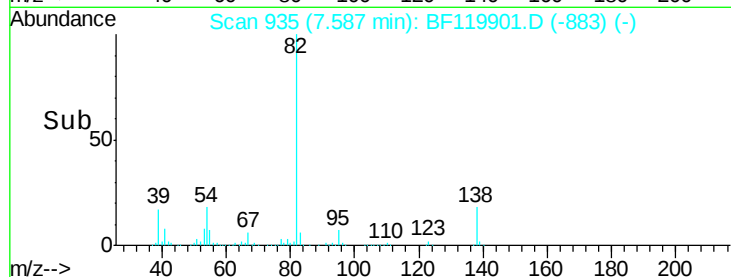
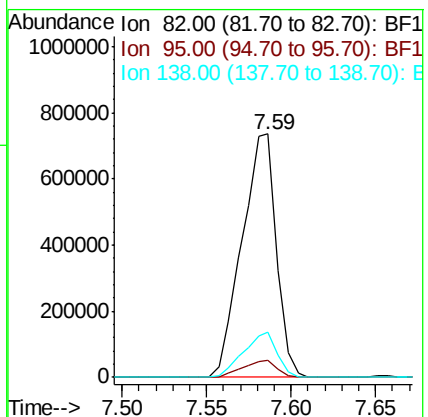
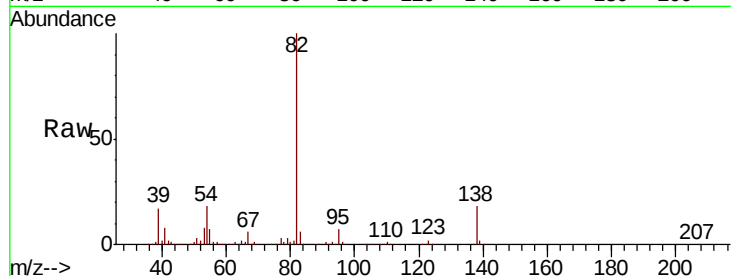
138 18.4 14.5 21.7

Manual Integrations

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#26

2-Nitrophenol

Concen: 52.348 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

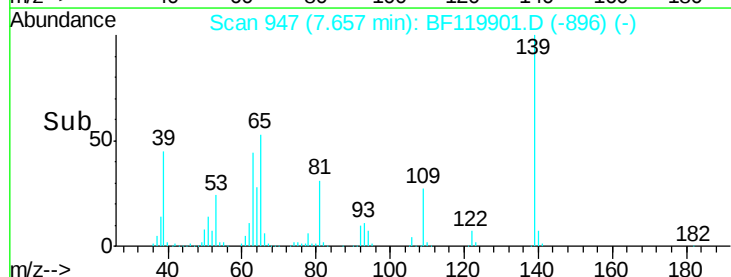
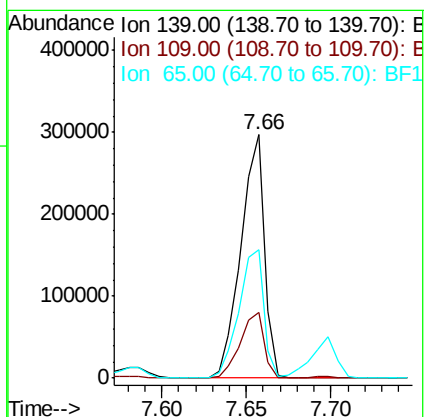
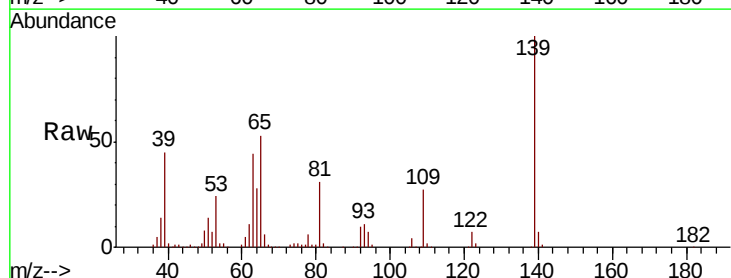
Tgt Ion: 139 Resp: 290113

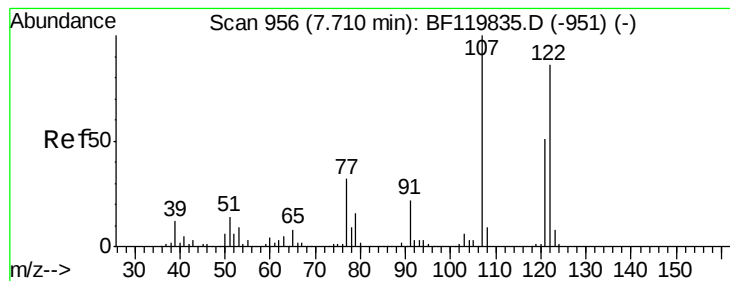
Ion Ratio Lower Upper

139 100

109 26.8 21.8 32.6

65 52.9 47.0 70.4





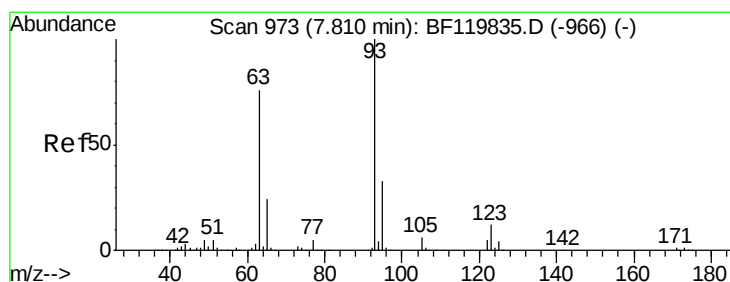
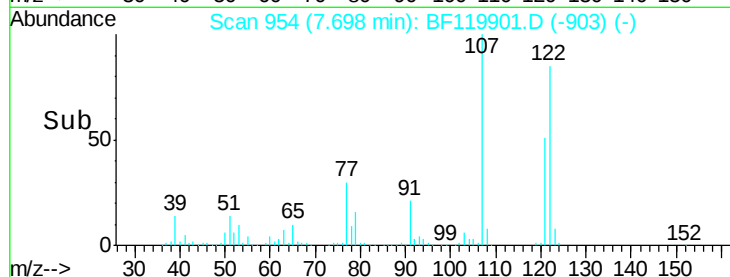
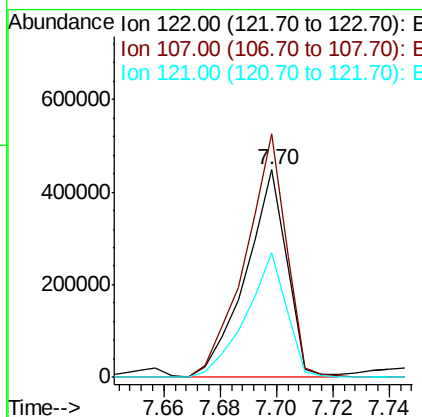
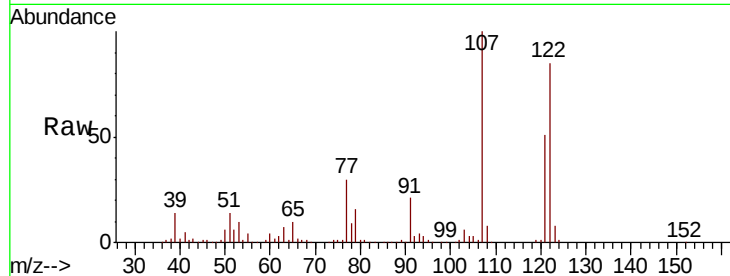
#27
 2,4-Dimethylphenol
 Concen: 54.342 ng
 RT: 7.70 min Scan# 954
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	454215		
107	117.4	92.3	138.5	
121	59.8	46.6	70.0	

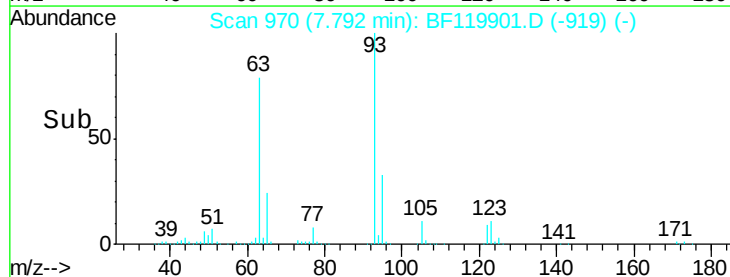
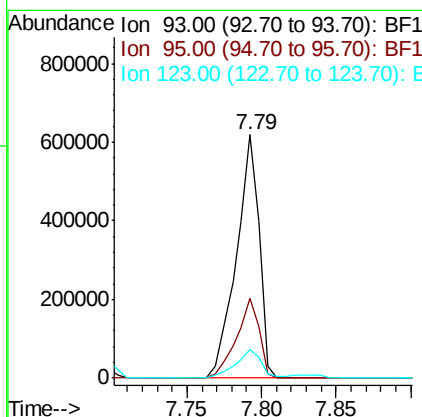
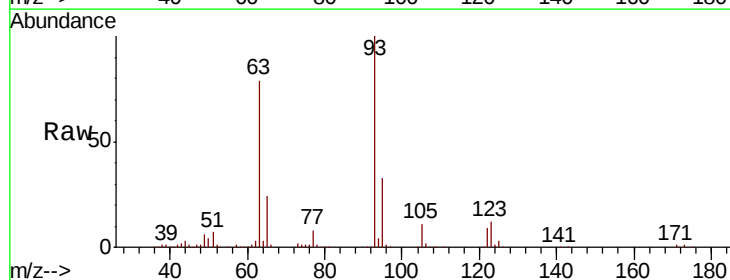
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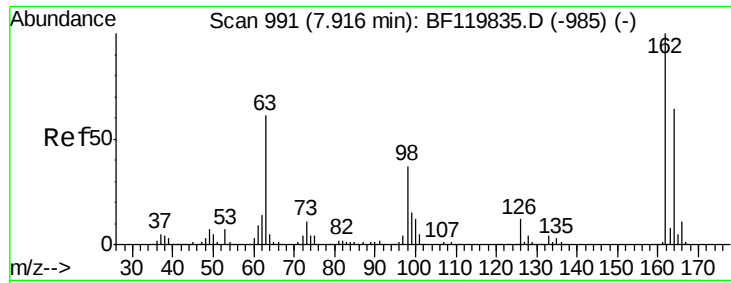
mohammad
 4/14/2020 3:39:07 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 52.726 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	659532		
95	32.8	26.4	39.6	
123	11.5	9.7	14.5	





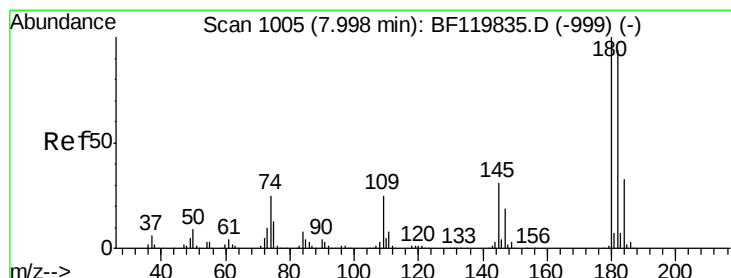
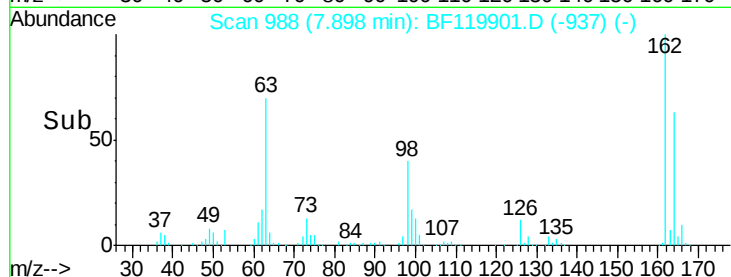
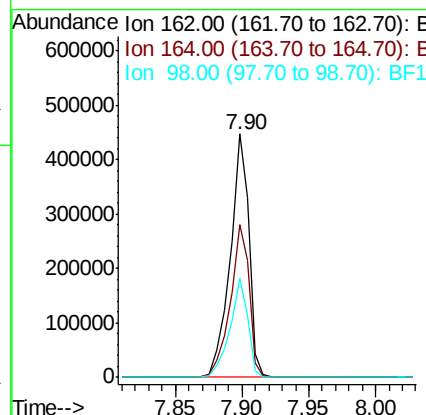
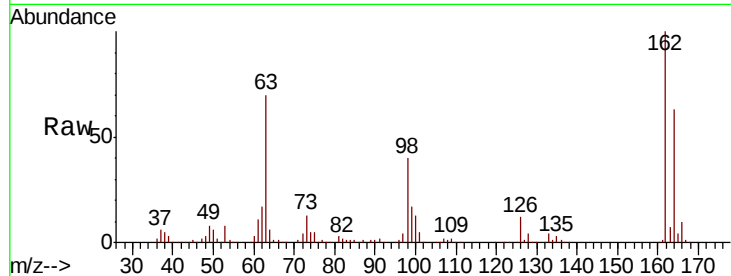
#29
2,4-Dichlorophenol
Concen: 52.013 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		445626		
164	62.8	44.4	84.4		
98	40.4	17.3	57.3		

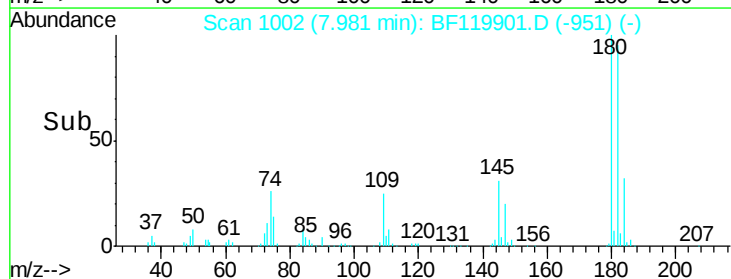
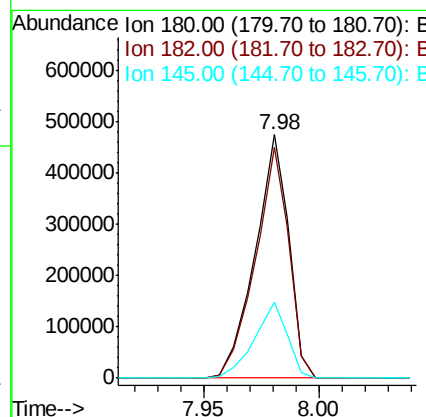
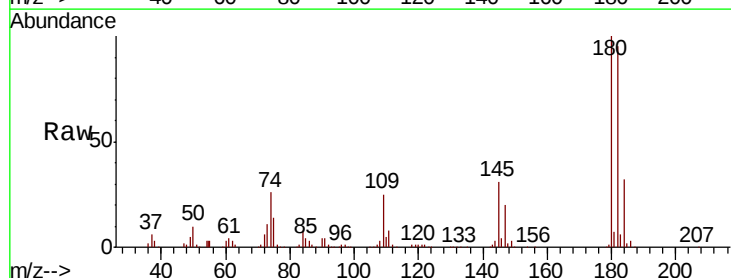
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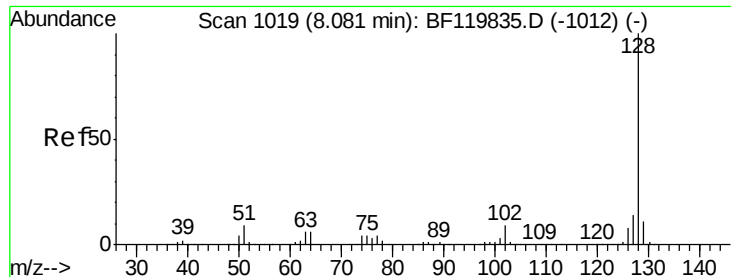
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 49.660 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		482089		
182	94.8	75.4	113.0		
145	31.0	24.6	37.0		





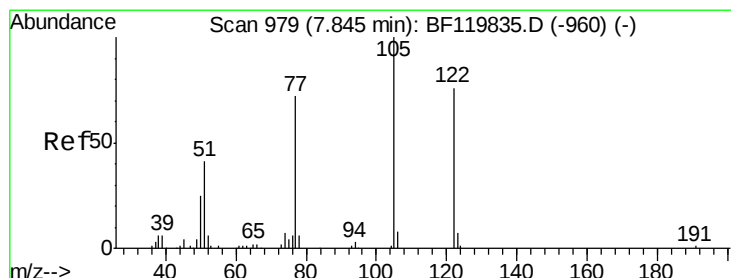
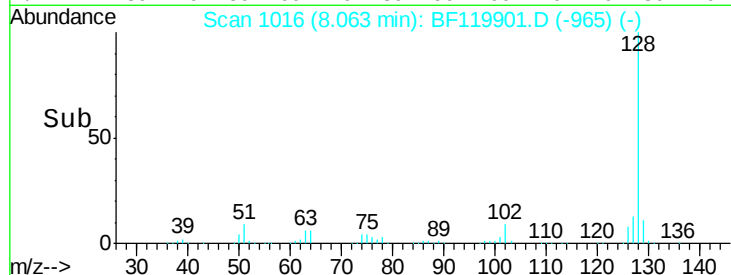
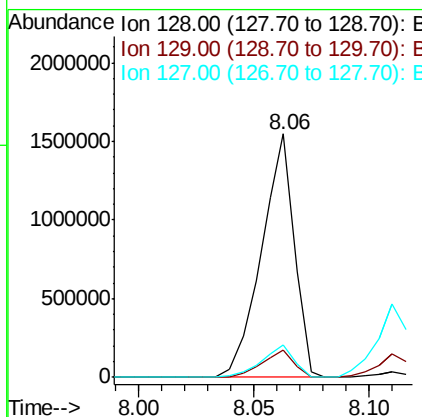
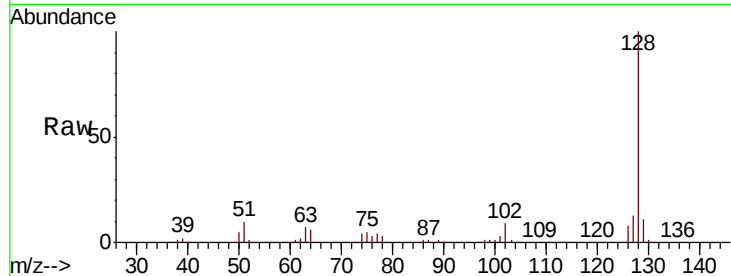
#31
Naphthalene
Concen: 50.799 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion:128 Resp: 1524718
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 11.0 16.4

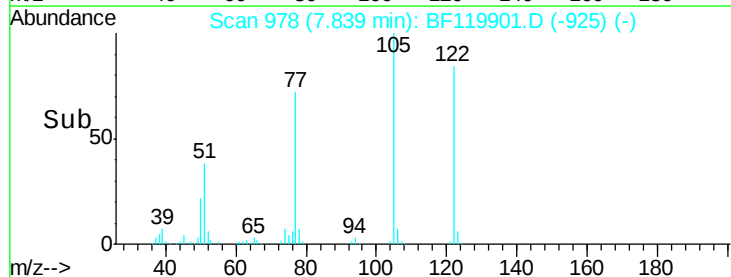
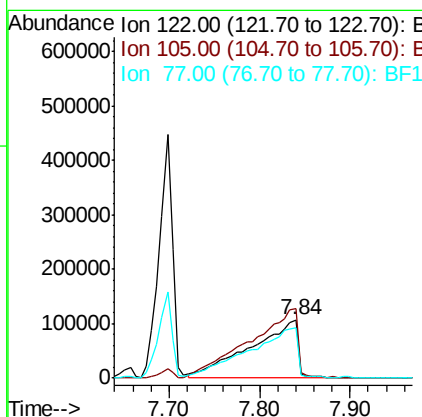
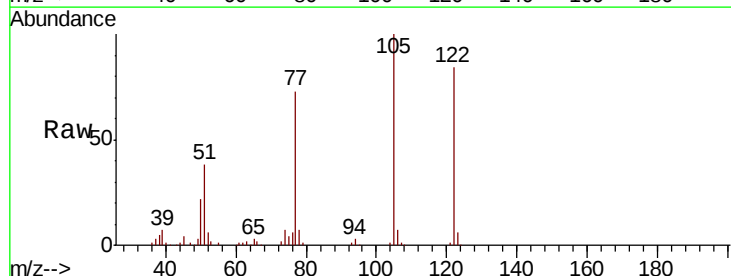
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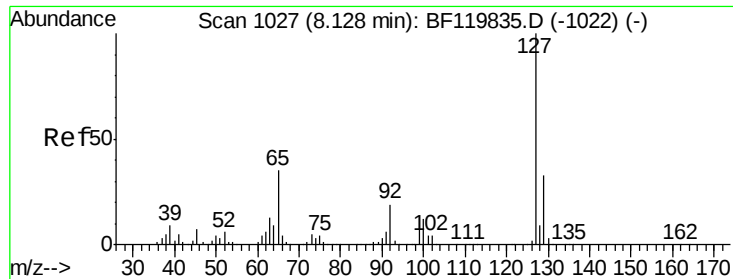
mohammad
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#32
Benzoic acid
Concen: 51.256 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion:122 Resp: 376262
Ion Ratio Lower Upper
122 100
105 119.4 106.7 146.7
77 86.7 72.1 112.1





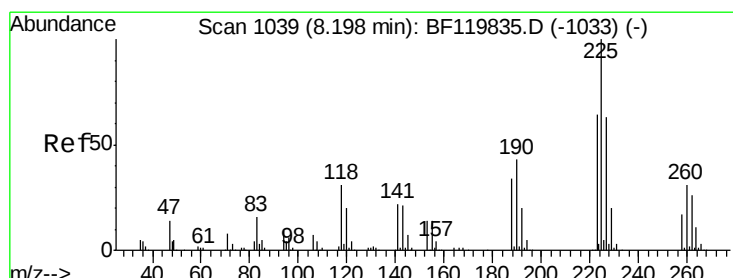
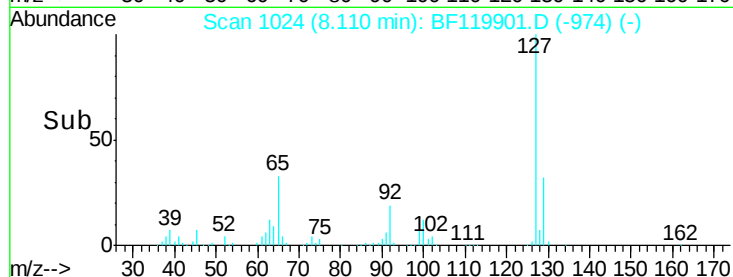
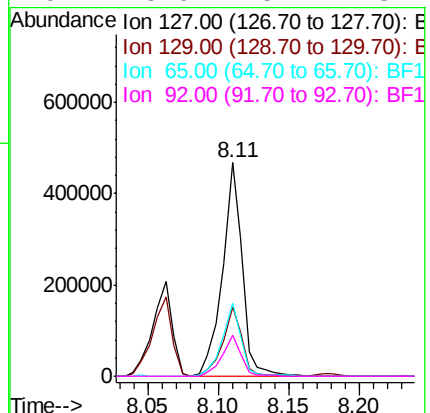
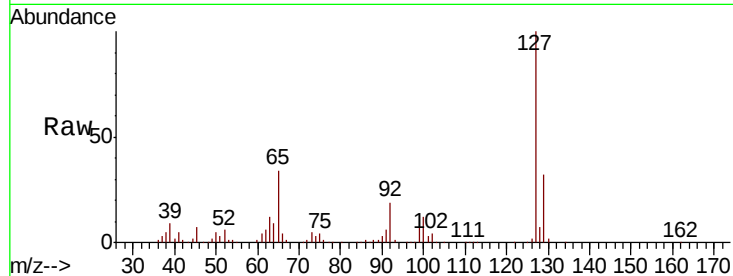
#33
4-Chloroaniline
Concen: 34.803 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	26.2	39.2		
65	34.1	28.3	42.5		
92	18.9	15.4	23.2		

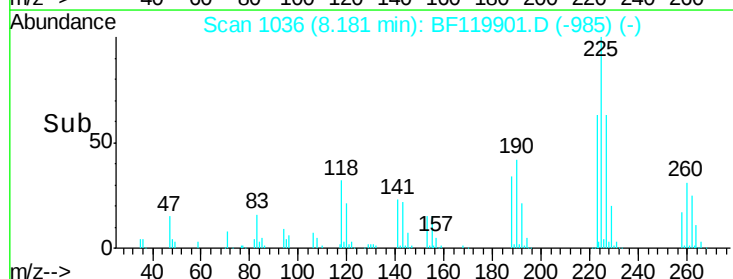
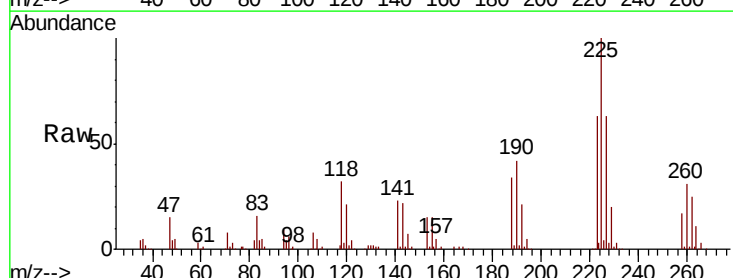
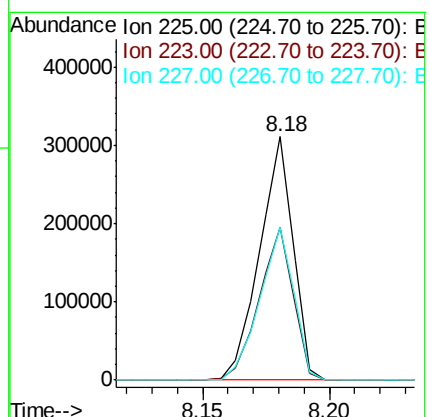
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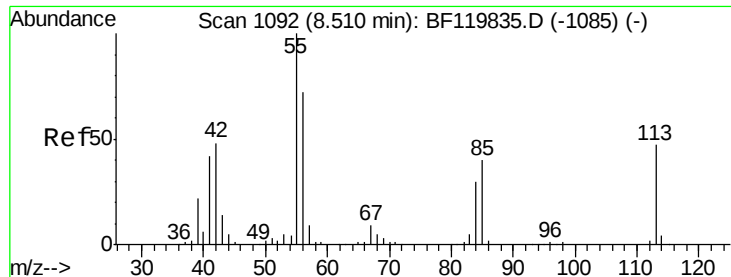
mohammad
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#34
Hexachlorobutadiene
Concen: 49.645 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	51.0	76.6		
227	63.0	50.4	75.6		





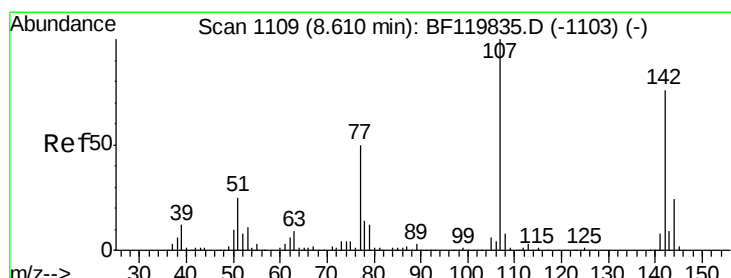
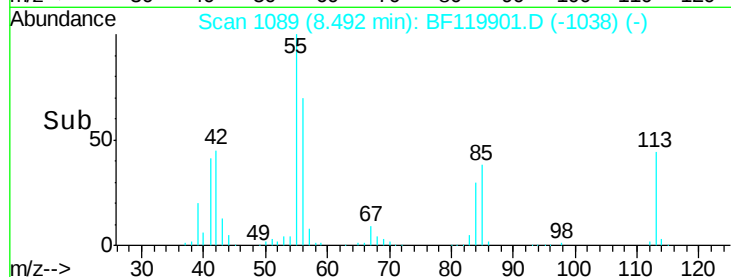
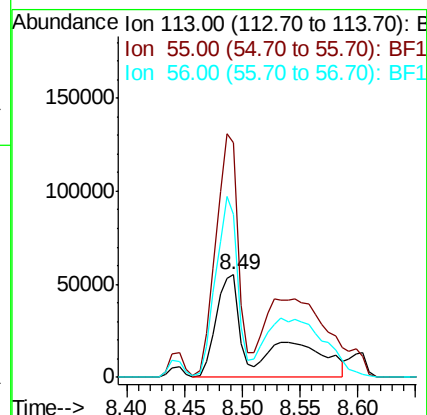
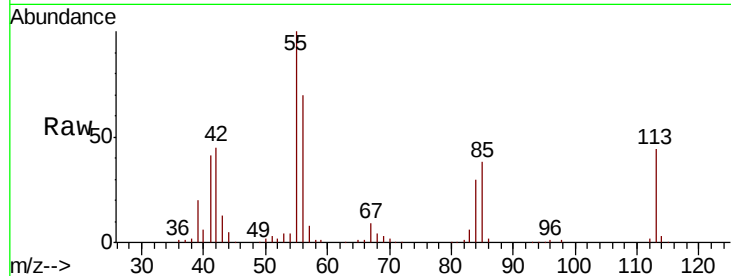
#35
Caprolactam
Concen: 53.993 ng/ml
RT: 8.49 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	228.1	192.7	232.7
56	159.4	133.3	173.3

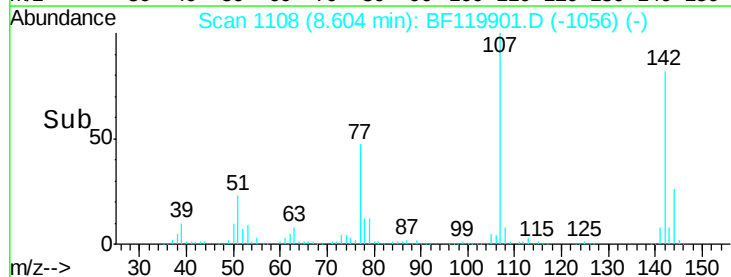
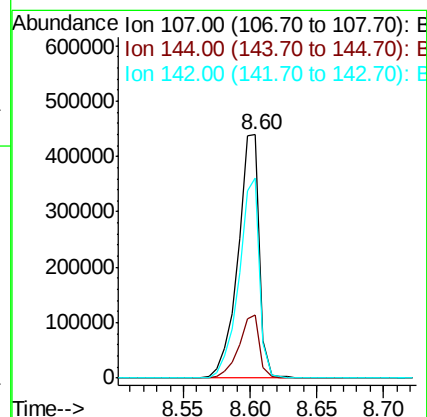
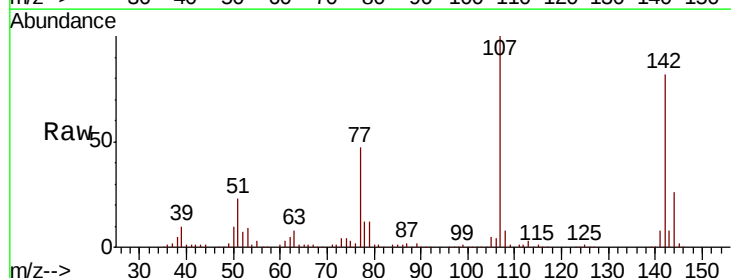
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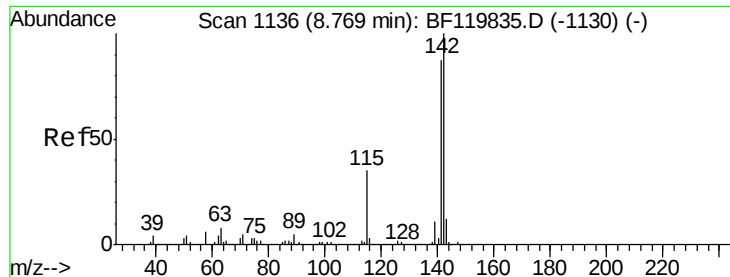
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 53.282 ng/ml
RT: 8.60 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	19.5	29.3
142	82.4	60.5	90.7





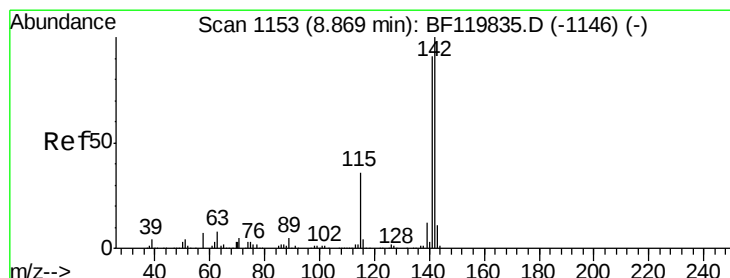
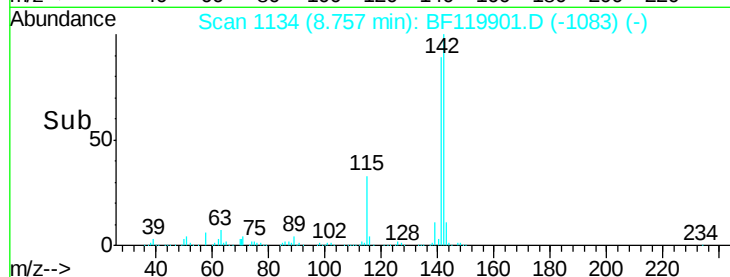
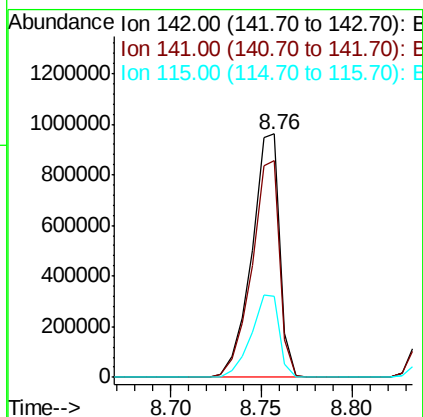
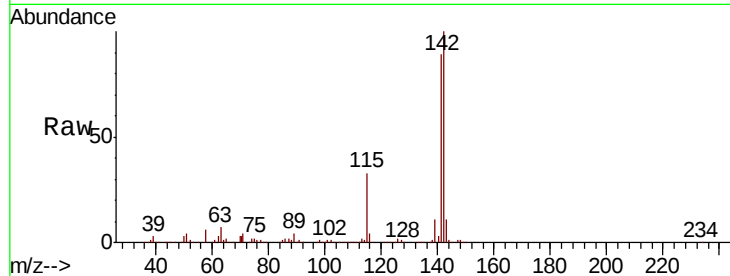
#37
2-Methylnaphthalene
Concen: 50.646 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.9	104.9
115	33.3	28.0	42.0

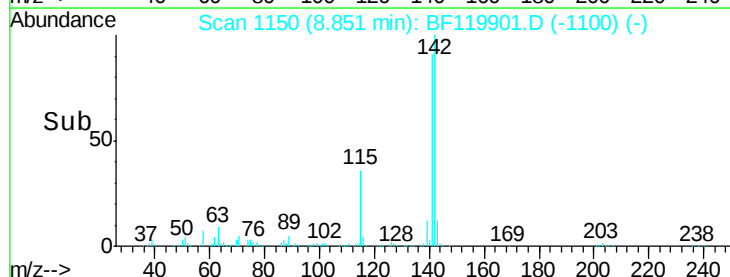
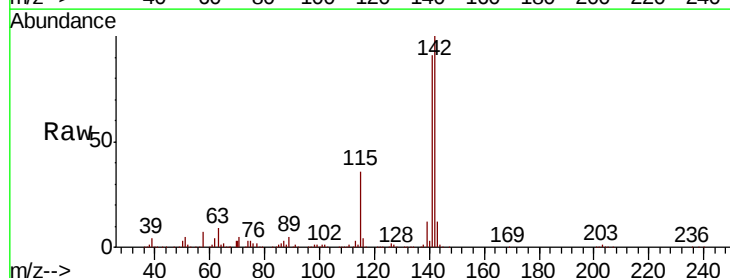
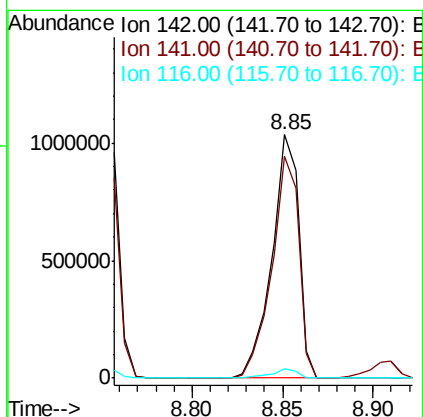
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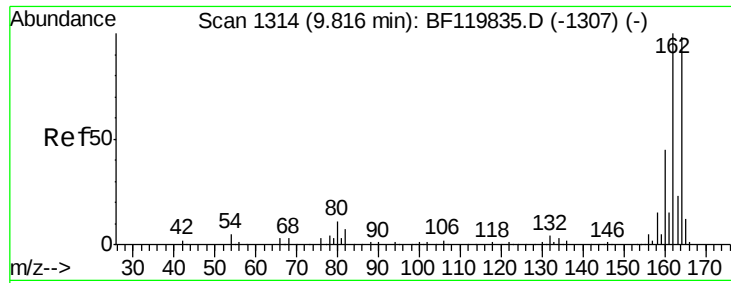
mohammad
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#38
1-Methylnaphthalene
Concen: 55.695 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.9	109.3
116	3.8	3.0	4.6





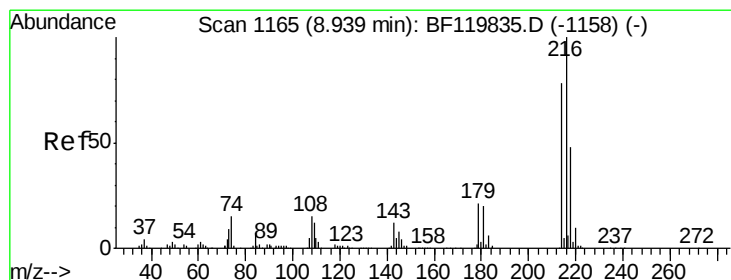
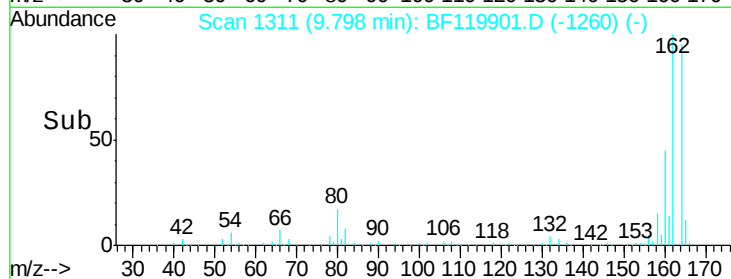
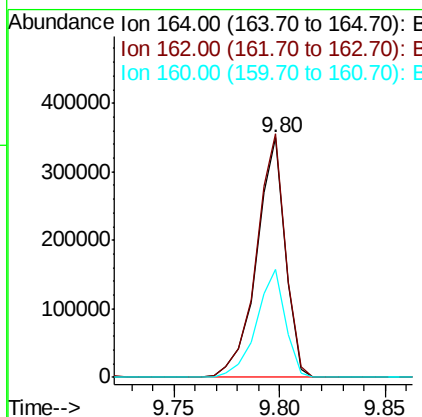
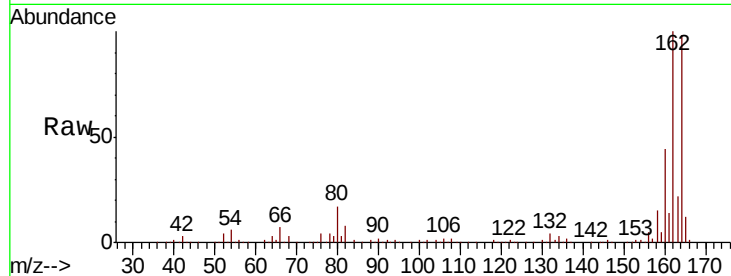
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.9	122.9
160	45.3	36.6	54.8

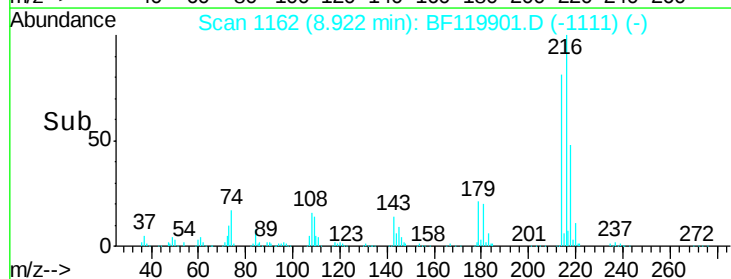
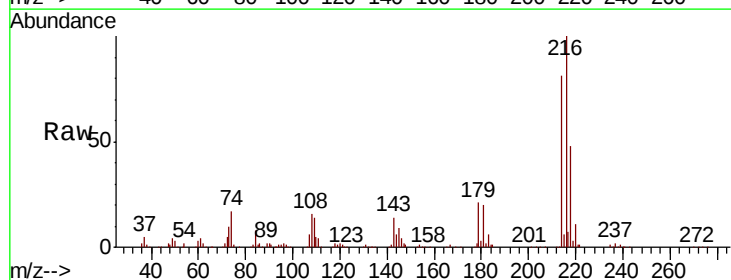
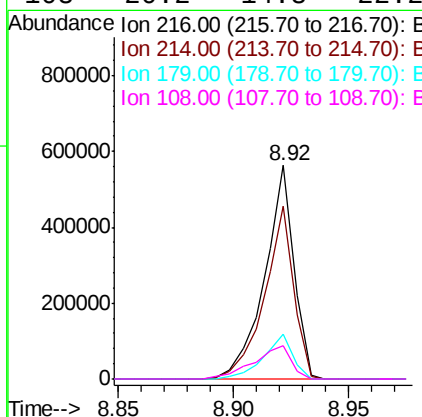
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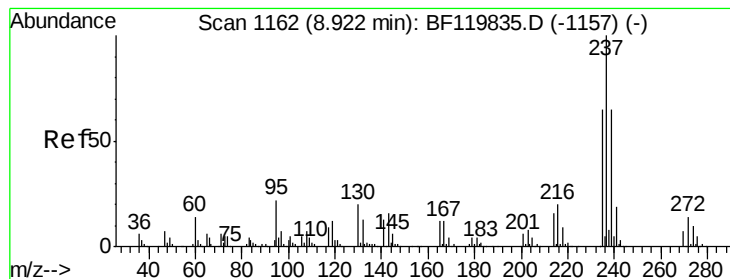
mohammad
4/14/2020 3:39:07 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.570 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.1	94.7
179	21.0	17.0	25.4
108	20.2	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 100.535 ng

RT: 8.91 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

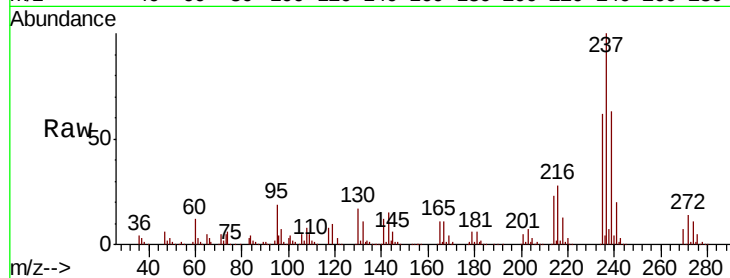
ClientSampleId :

CG-SUBMS

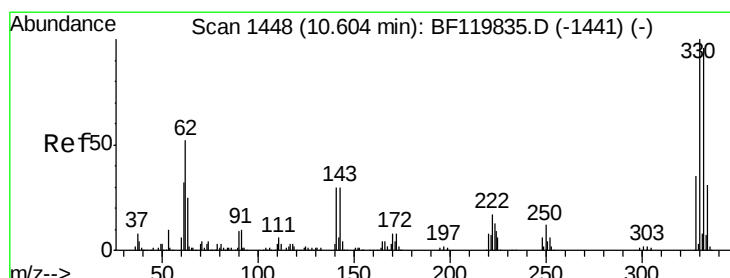
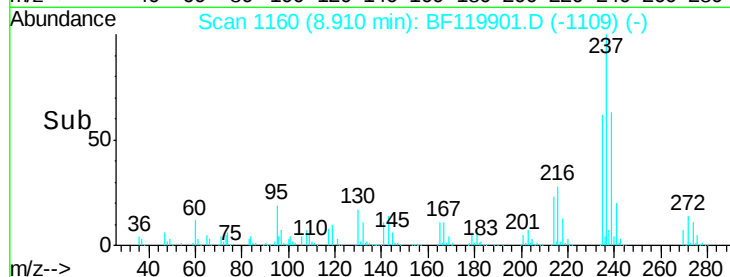
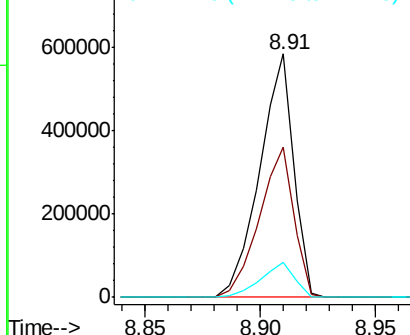
Tot Ion:	237	Resp:	597444
Ion Ratio	Lower	Upper	
237	100		
235	61.8	44.9	84.9
272	14.2	0.0	33.6

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 83.500 ng

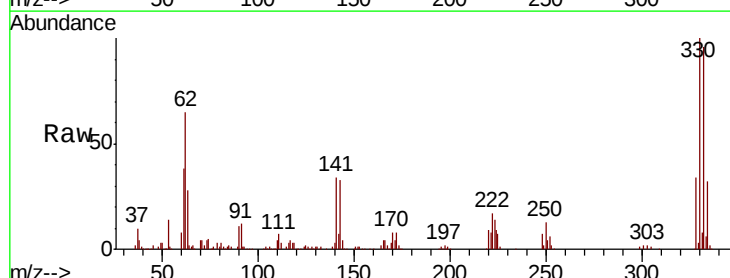
RT: 10.59 min Scan# 1445

Delta R.T. 0.00 min

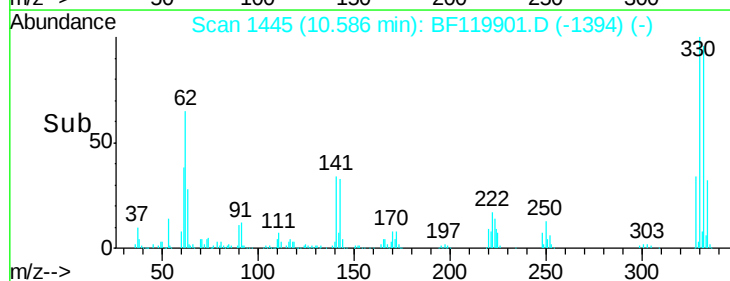
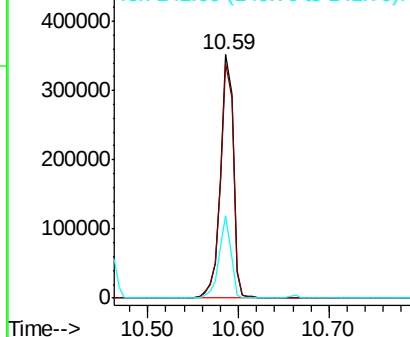
Lab File: BF119901.D

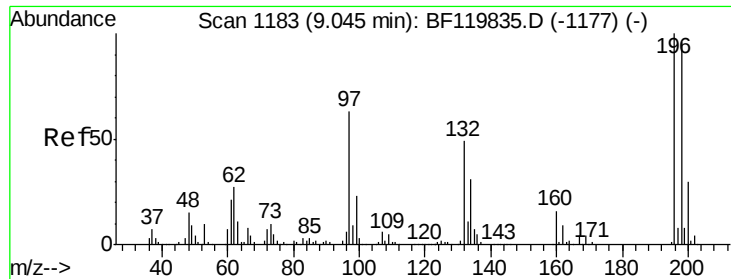
Acq: 10 Apr 2020 18:12

Tgt Ion:	330	Resp:	338269
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.8	115.2
141	31.3	25.1	37.7



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





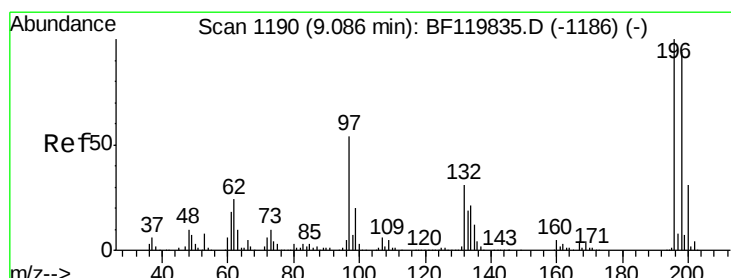
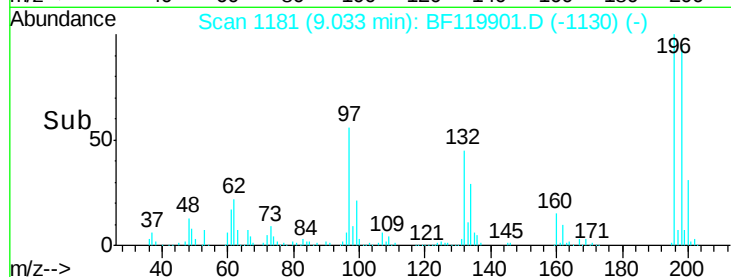
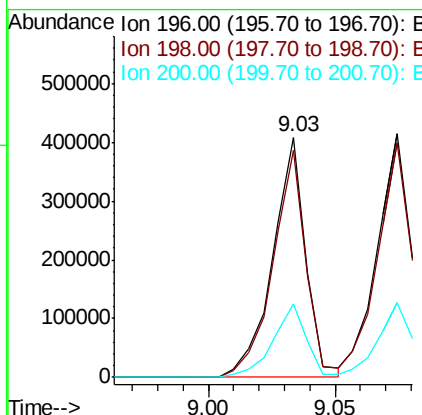
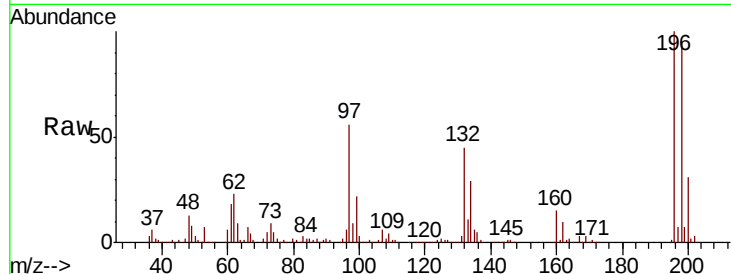
#43
 2,4,6-Trichlorophenol
 Concen: 51.753 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampled :
 CG-SUBMS

Tot Ion:	196	Resp:	373485
Ion Ratio	Lower	Upper	
196	100		
198	94.8	76.6	115.0
200	30.7	24.2	36.2

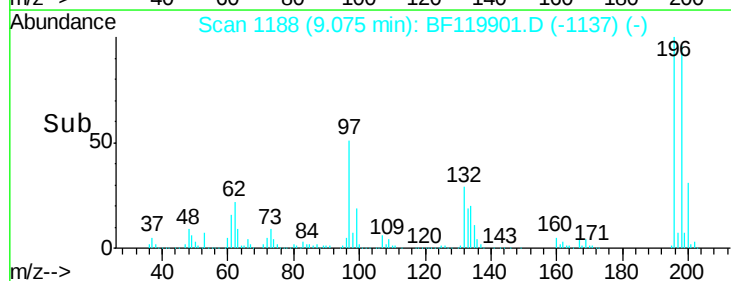
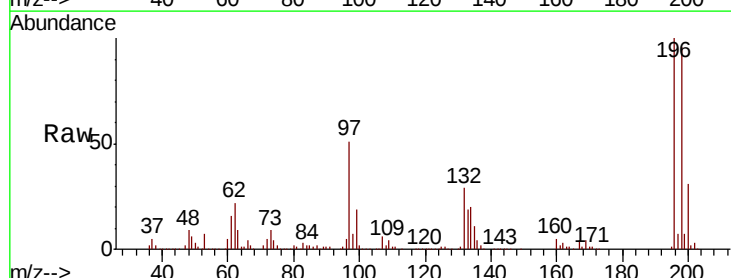
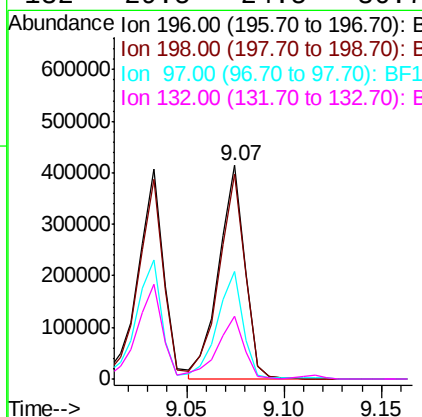
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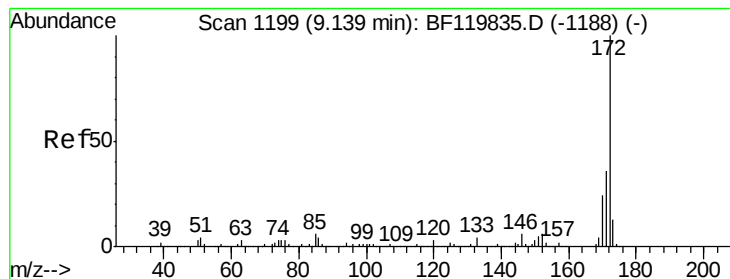
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#44
 2,4,5-Trichlorophenol
 Concen: 47.434 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion:	196	Resp:	385545
Ion Ratio	Lower	Upper	
196	100		
198	96.1	75.1	112.7
97	50.5	43.4	65.2
132	29.5	24.5	36.7





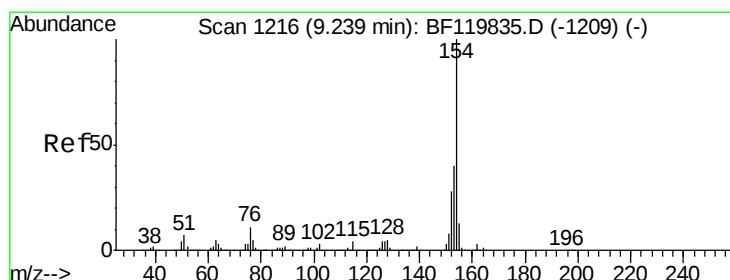
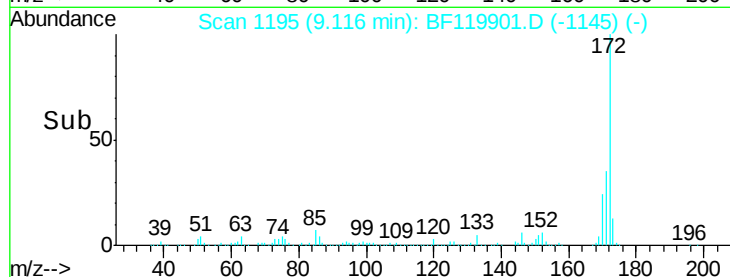
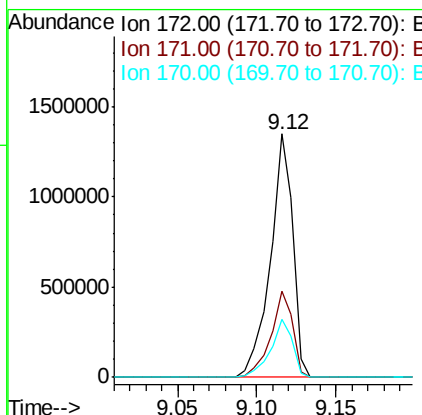
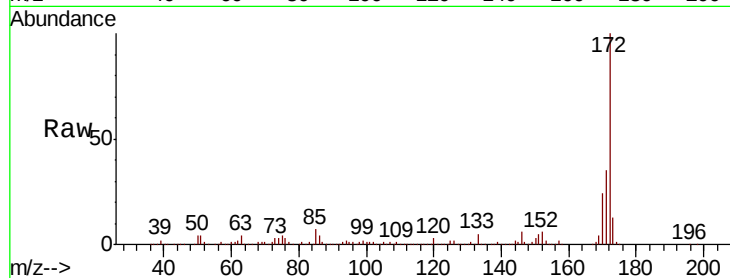
#45
2-Fluorobiphenyl
Concen: 57.029 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.9	43.3
170	23.6	19.4	29.2

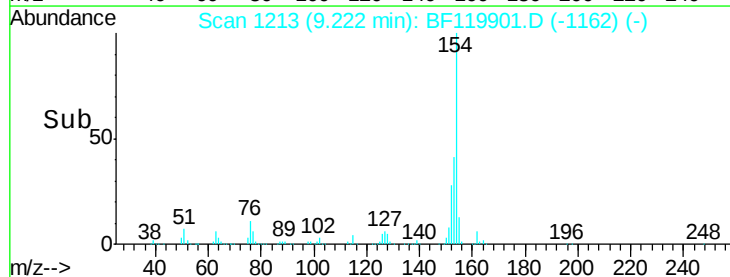
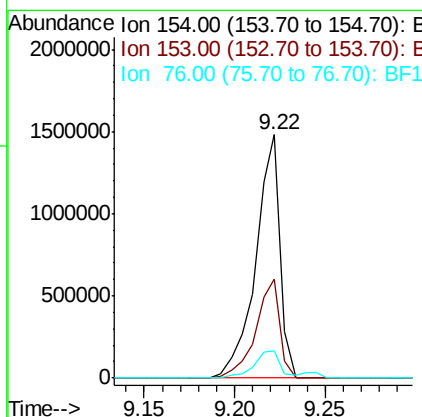
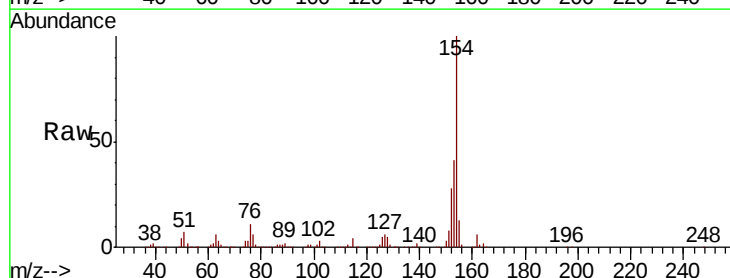
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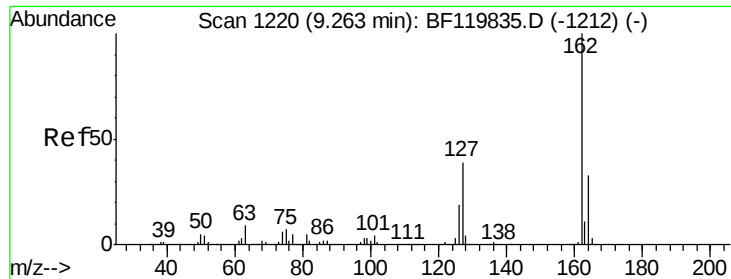
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#46
1,1'-Biphenyl
Concen: 49.150 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	11.5	0.0	30.6





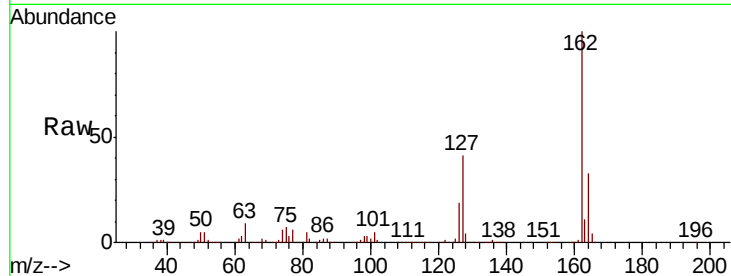
#47
 2-Chloronaphthalene
 Concen: 49.385 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

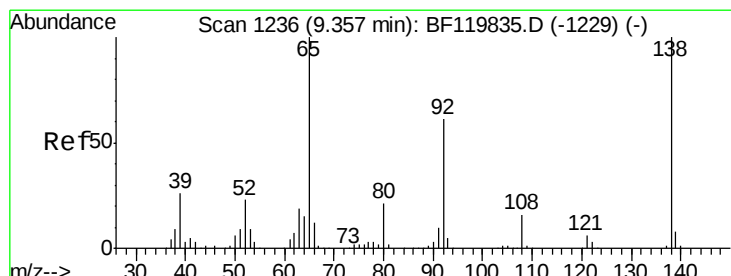
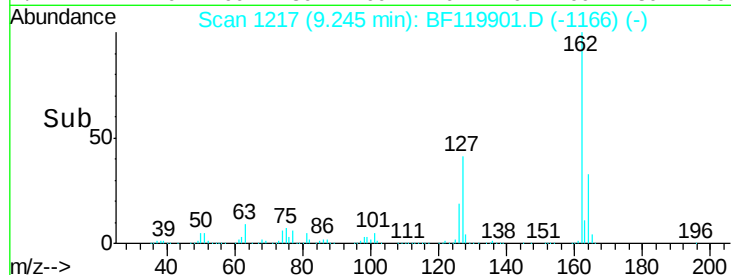
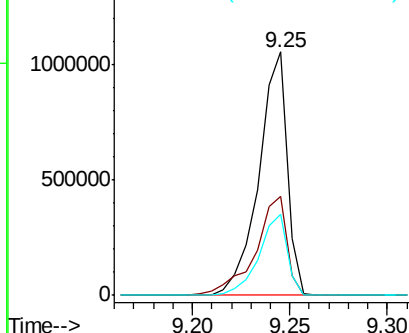
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.2	46.8
164	33.4	26.3	39.5

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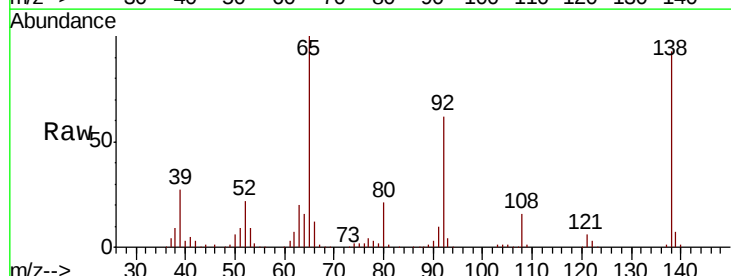


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

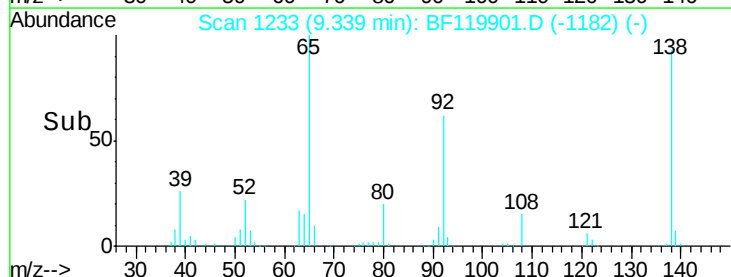
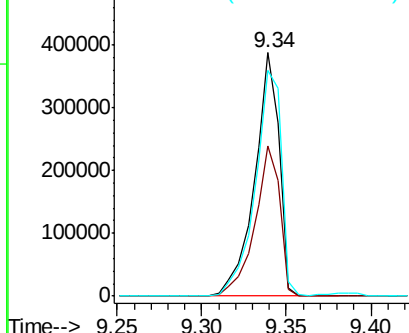


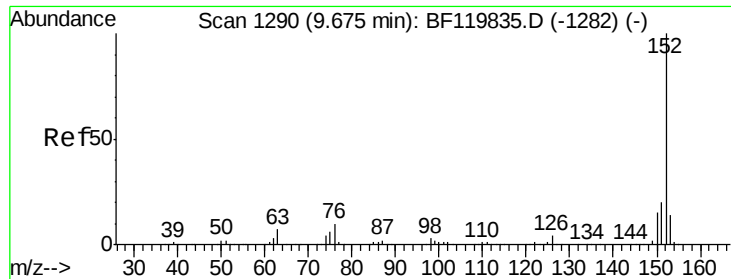
#48
 2-Nitroaniline
 Concen: 50.363 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.9	49.0	73.6
138	92.7	79.7	119.5



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 51.256 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion:152 Resp: 1677061

Ion Ratio Lower Upper

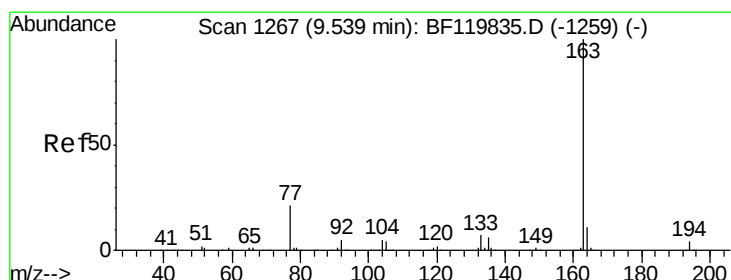
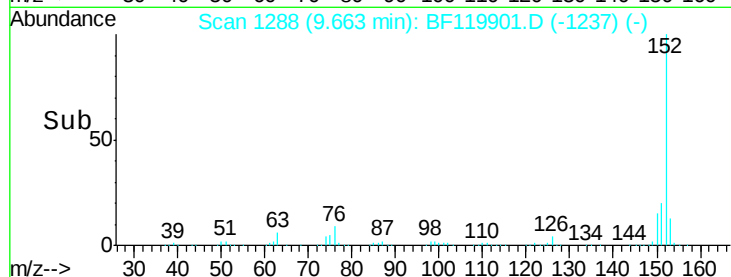
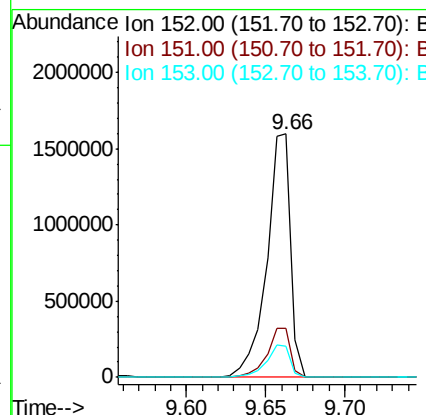
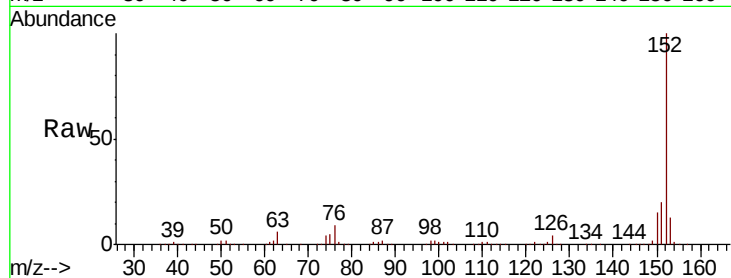
152 100

151 20.2 16.2 24.4

153 12.9 10.9 16.3

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#50

Dimethylphthalate

Concen: 55.907 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF119901.D

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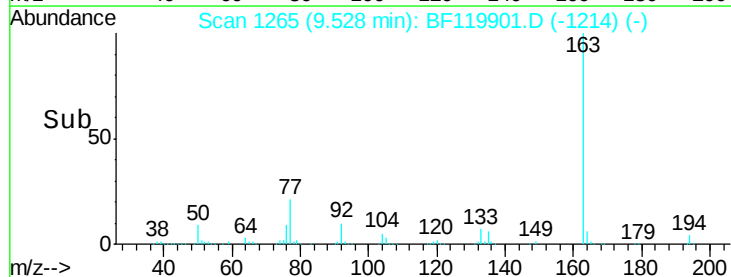
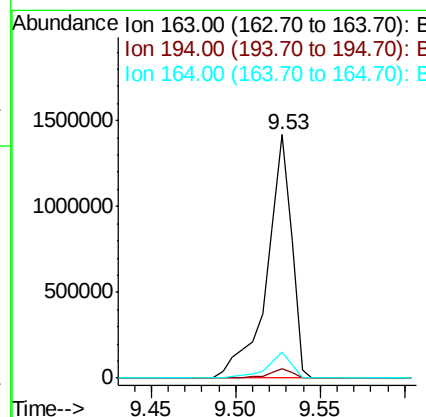
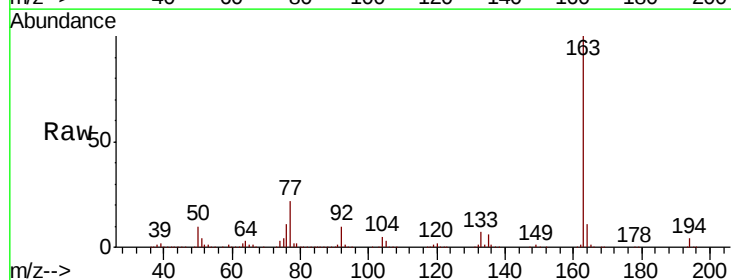
Tgt Ion:163 Resp: 1430829

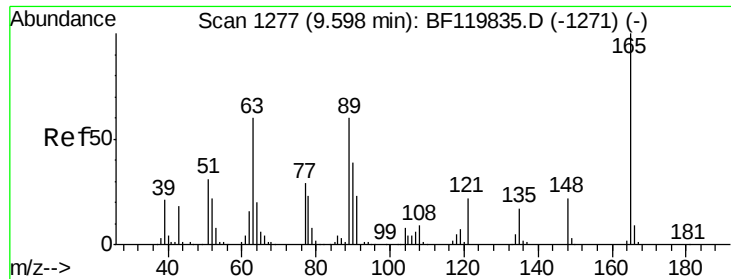
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

164 10.5 8.4 12.6





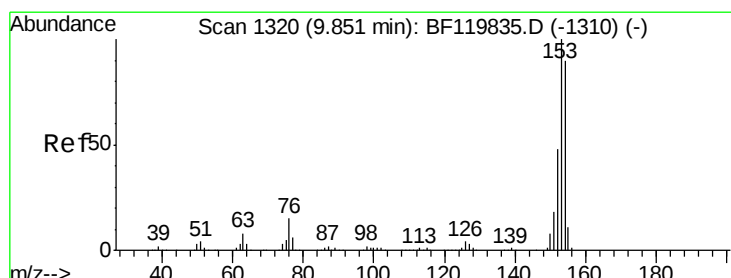
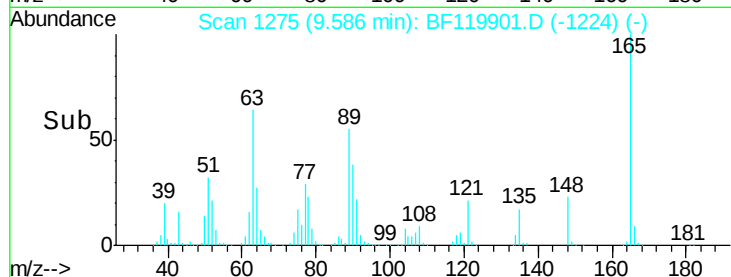
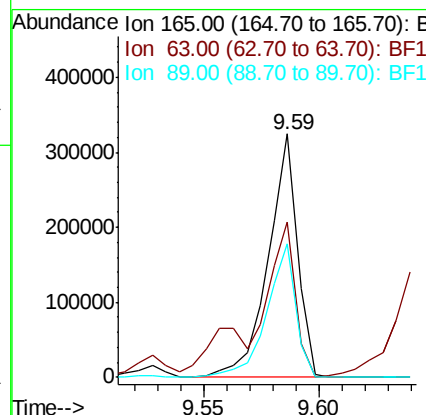
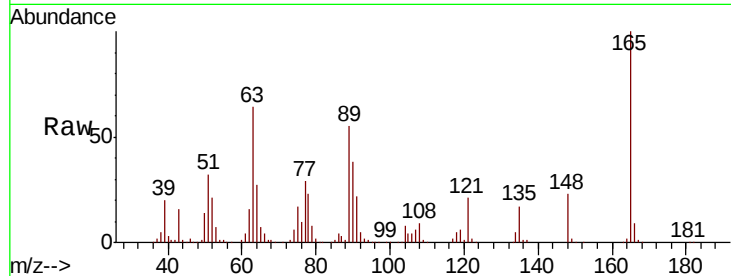
#51
2,6-Dinitrotoluene
Concen: 51.181 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	286844		
63	63.6		55.6	83.4
89	55.1		47.9	71.9

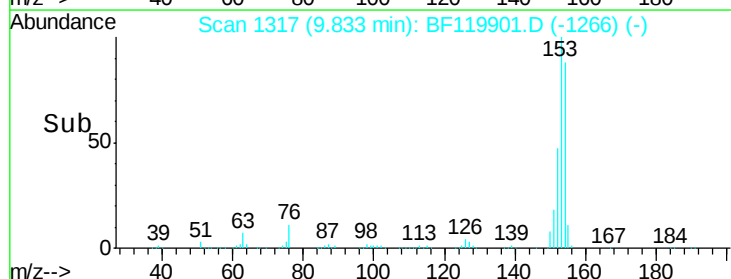
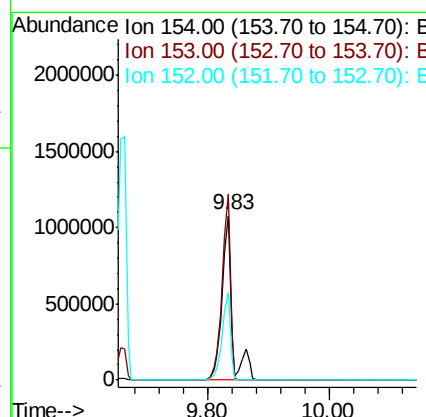
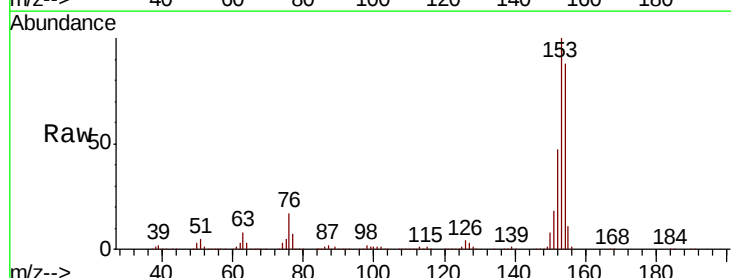
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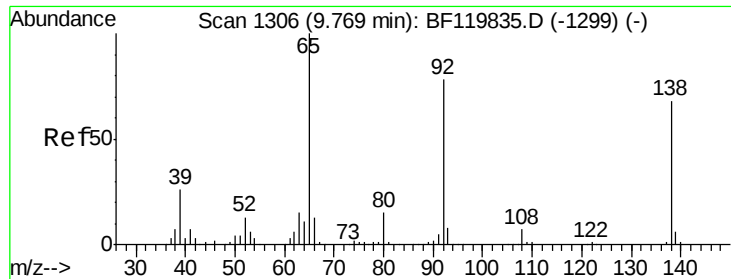
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#52
Acenaphthene
Concen: 55.539 ng m
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1212201		
153	113.1		88.8	133.2
152	53.3		42.4	63.6





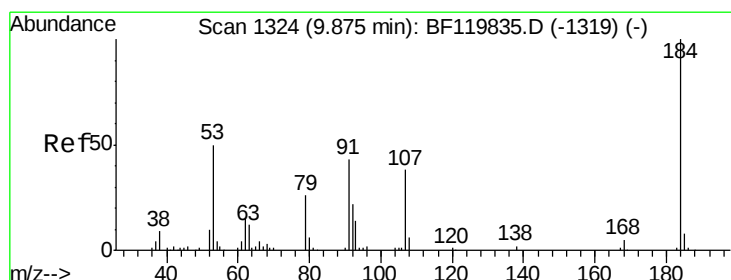
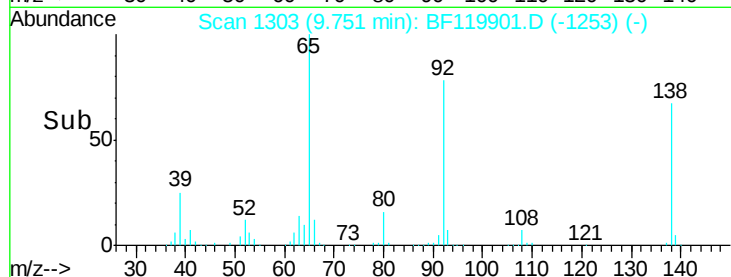
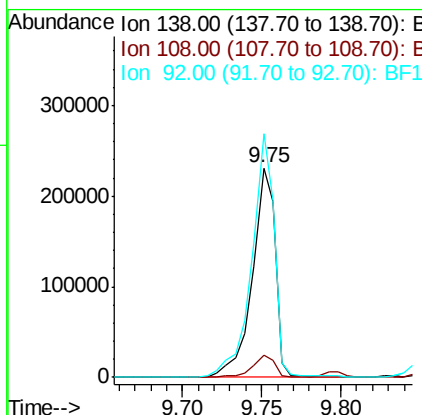
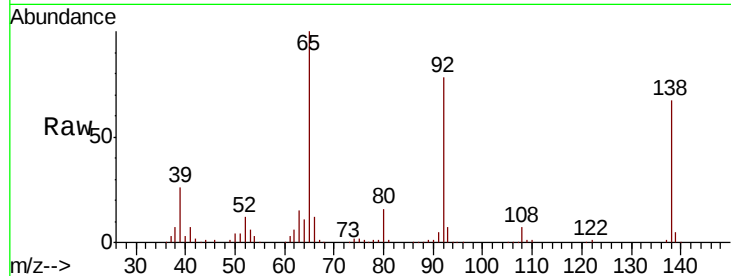
#53
 3-Nitroaniline
 Concen: 36.203 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.0	12.0
92	116.4	92.1	138.1

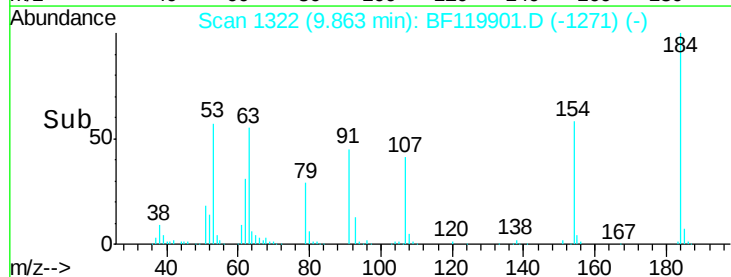
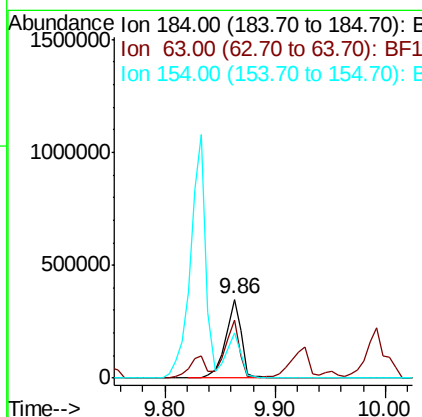
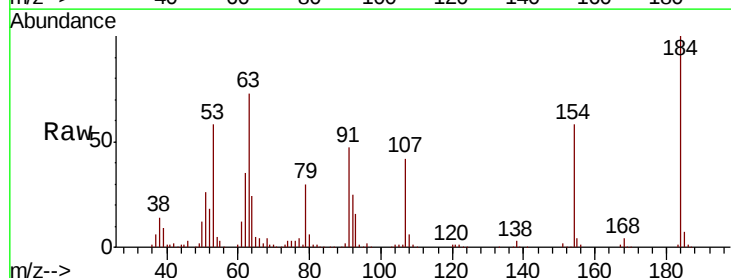
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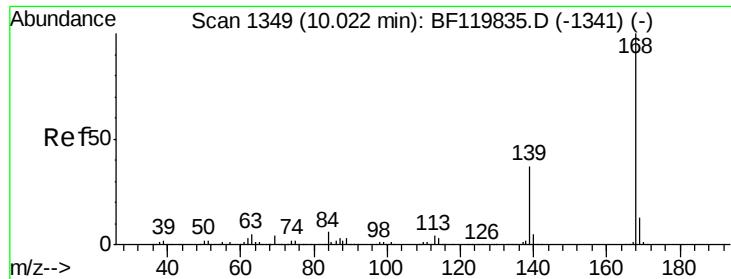
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#54
 2,4-Dinitrophenol
 Concen: 106.404 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.2	49.8	74.6
154	58.2	46.5	69.7





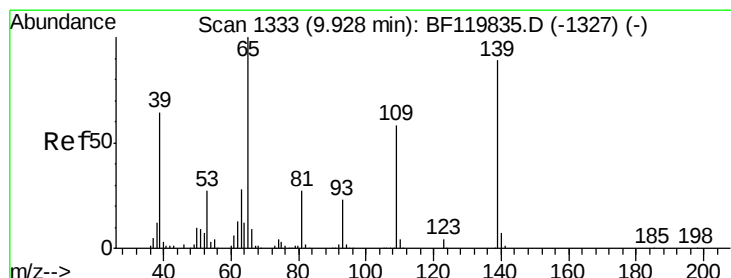
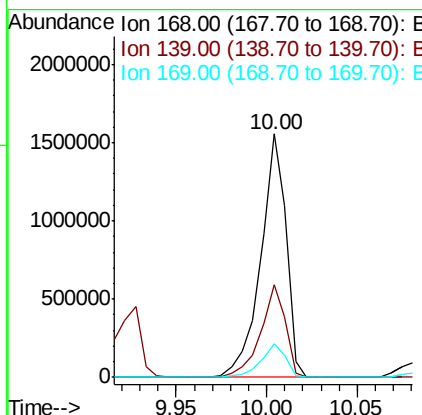
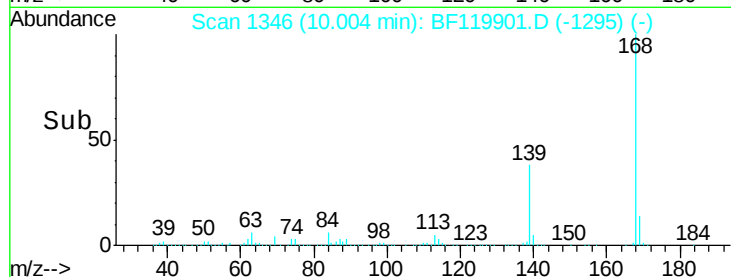
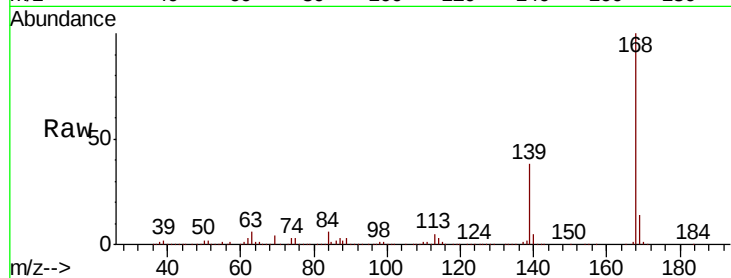
#55
Dibenzofuran
Concen: 50.522 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.8	44.6
169	13.7	10.6	15.8

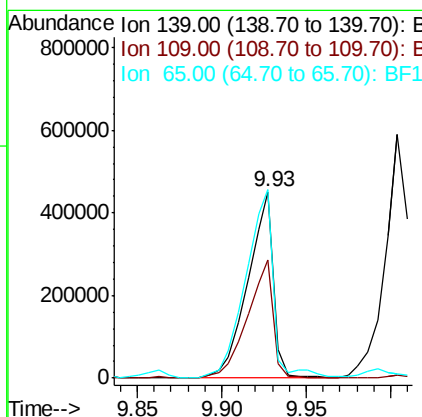
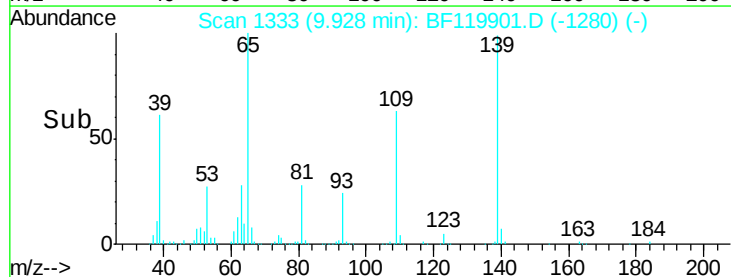
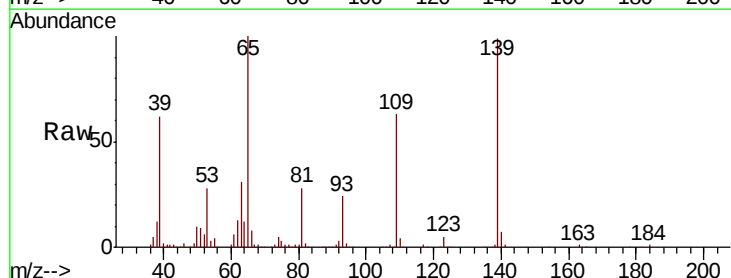
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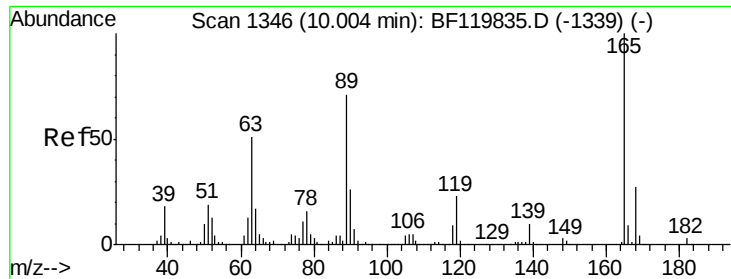
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#56
4-Nitrophenol
Concen: 100.950 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.3	45.5	85.5
65	101.2	92.3	132.3





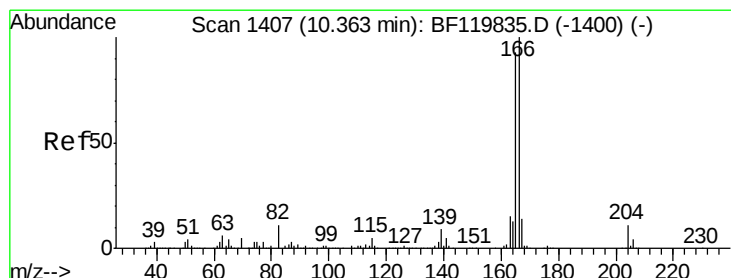
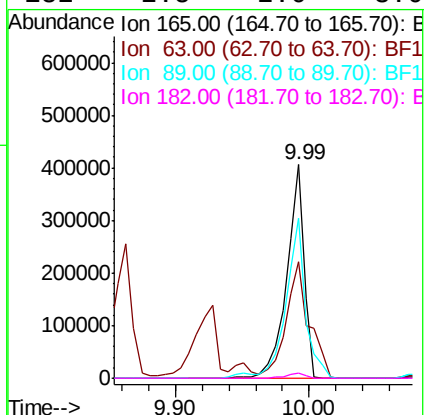
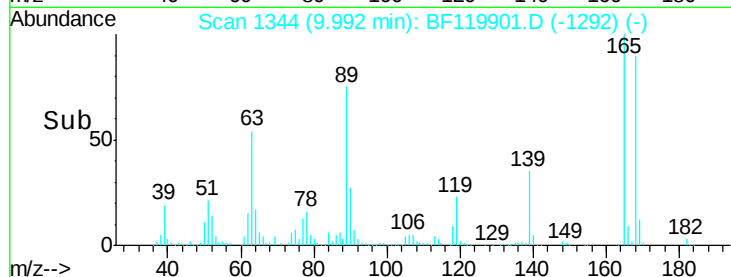
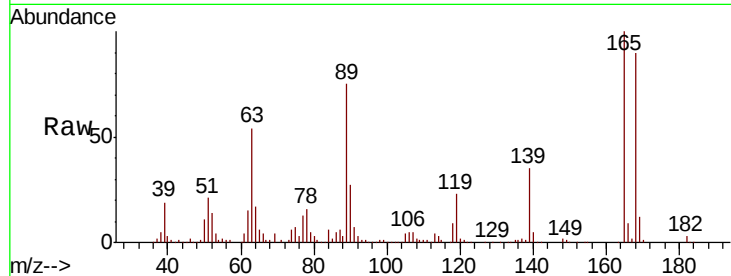
#57
2,4-Dinitrotoluene
Concen: 50.725 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.4	40.8	61.2
89	74.8	56.9	85.3
182	2.5	2.0	3.0

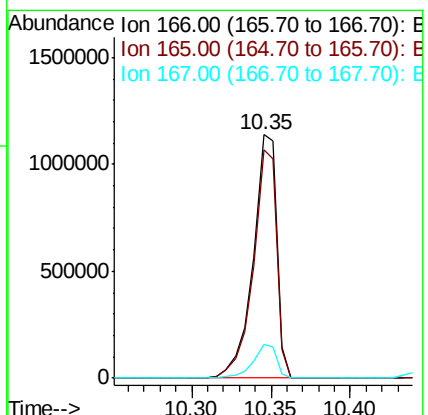
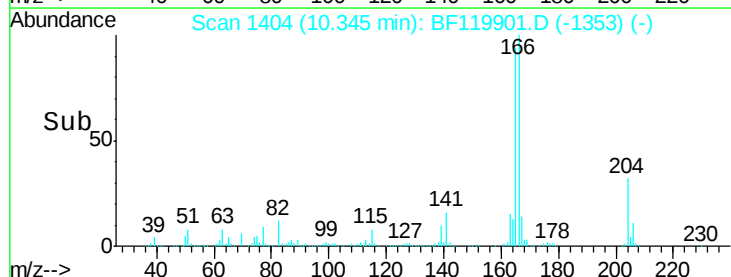
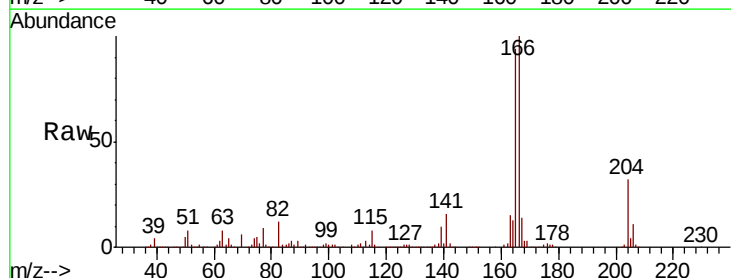
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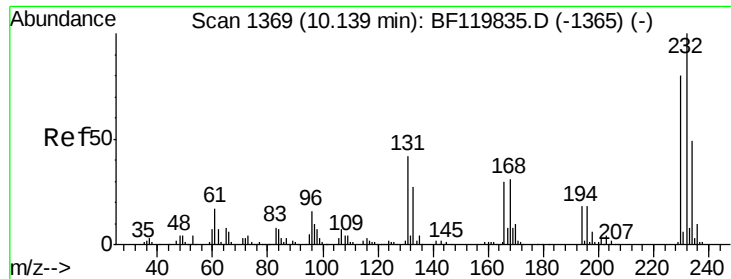
mohammad
4/14/2020 3:39:07 PM



#58
Fluorene
Concen: 49.265 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.2	111.2
167	13.8	10.8	16.2





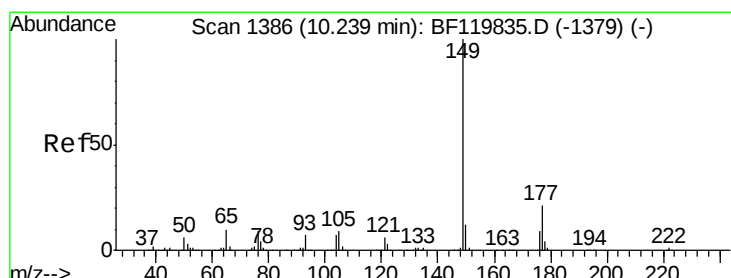
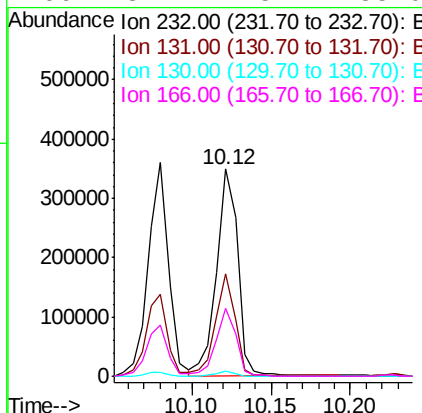
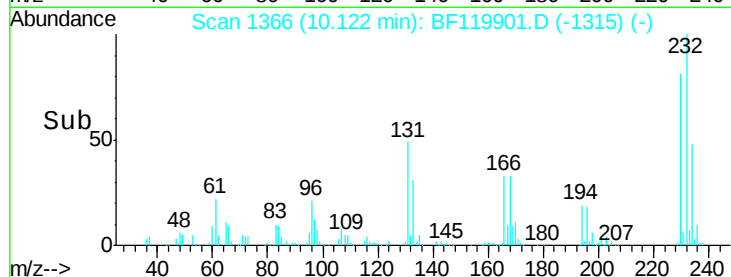
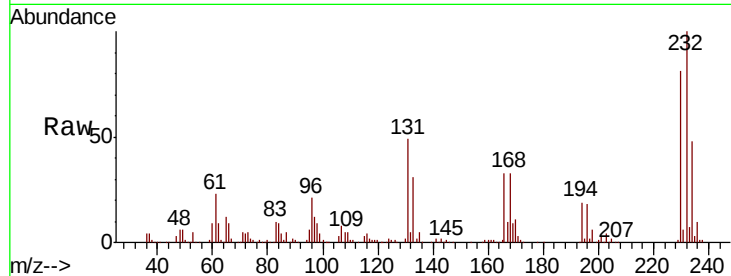
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.029 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.8	37.9	56.9
130	2.1	1.8	2.6
166	31.7	25.4	38.0

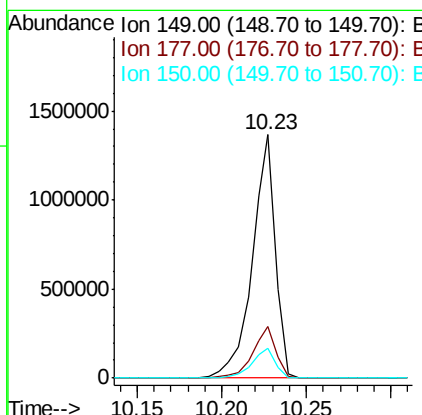
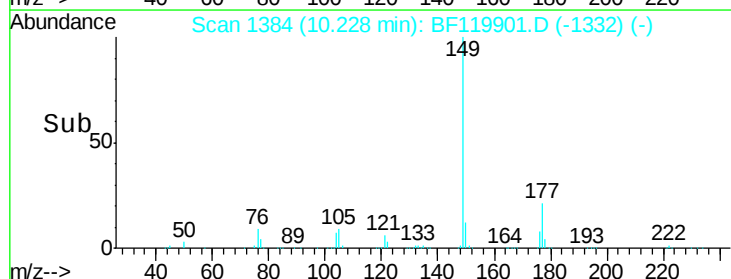
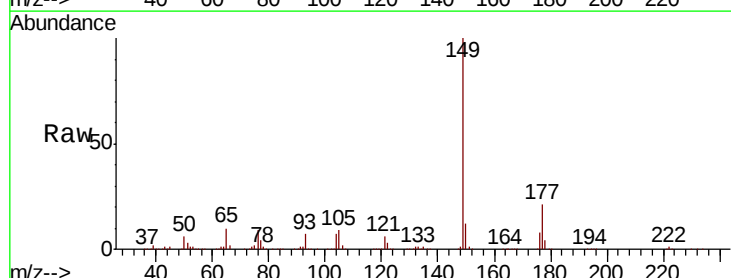
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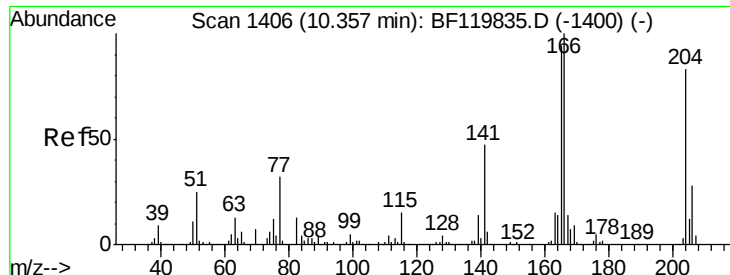
mohammad
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#60
Diethylphthalate
Concen: 49.053 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.8	25.2
150	12.2	9.8	14.6





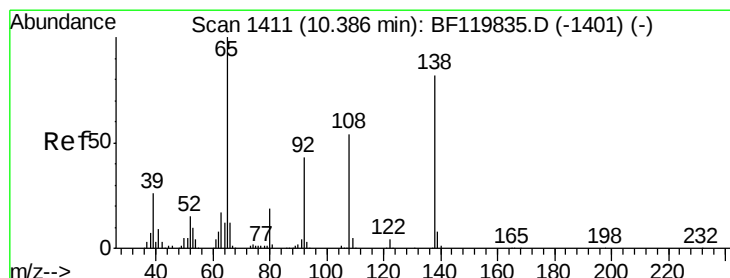
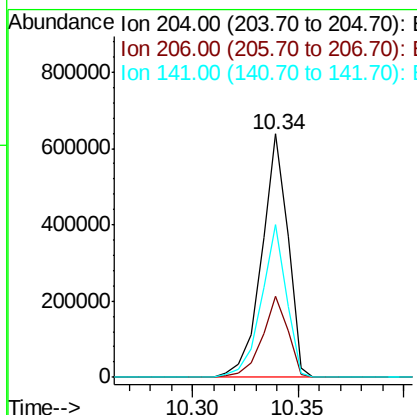
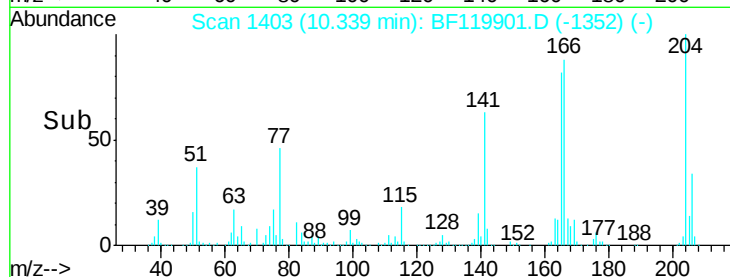
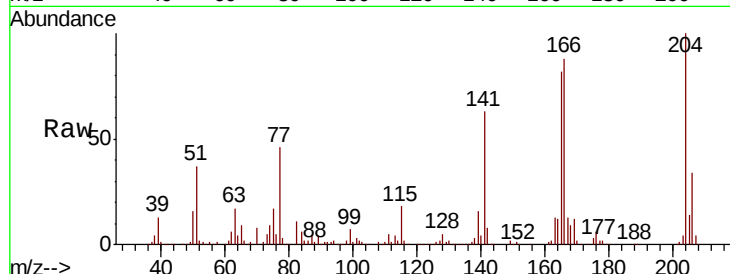
#61
 4-Chlorophenyl-phenylether
 Concen: 44.771 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion:	204	Resp:	549652
Ion Ratio	Lower	Upper	
204	100		
206	33.5	26.7	40.1
141	62.8	45.8	68.8

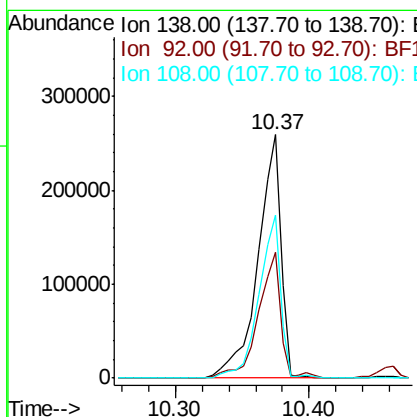
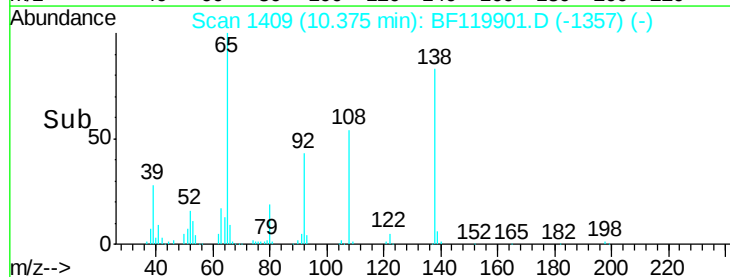
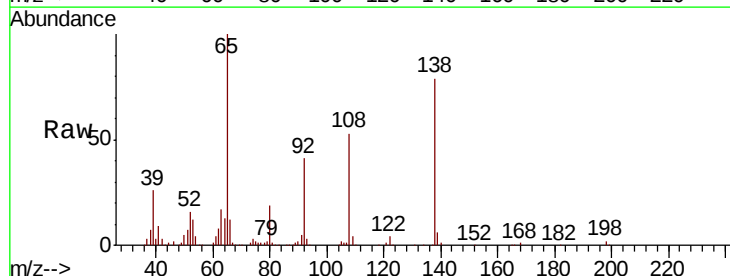
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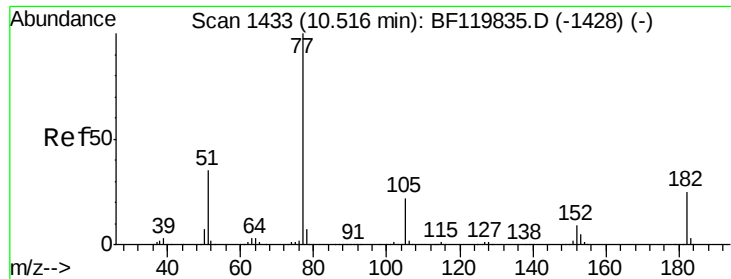
mohammad
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#62
 4-Nitroaniline
 Concen: 50.374 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion:	138	Resp:	307283
Ion Ratio	Lower	Upper	
138	100		
92	51.6	31.6	71.6
108	66.7	45.2	85.2





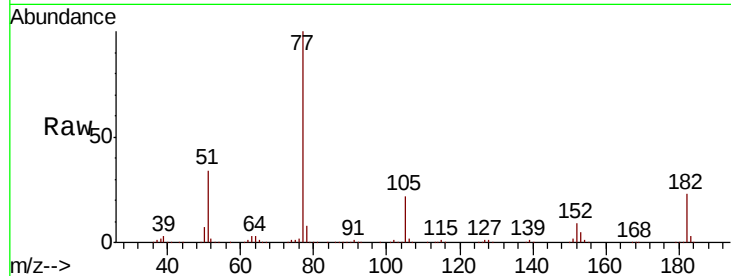
#63
Azobenzene
Concen: 51.239 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.7	4.5	44.5	
105	21.8	2.2	42.2	
51	34.3	15.1	55.1	

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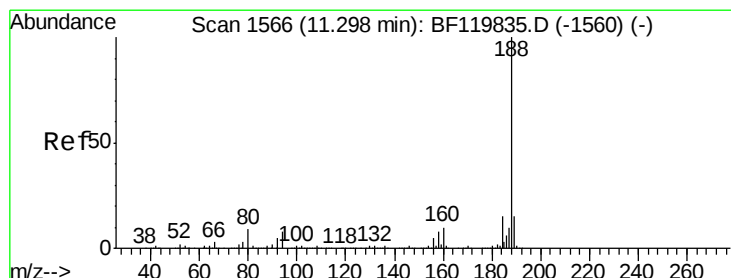
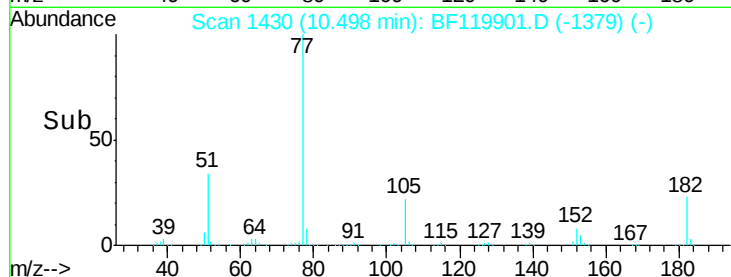
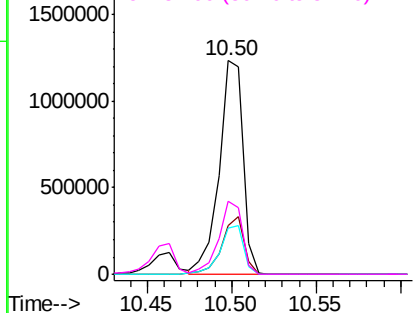


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



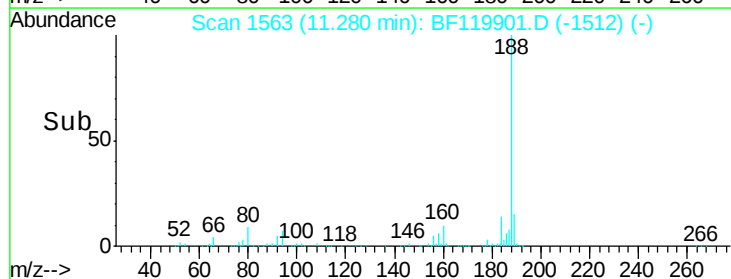
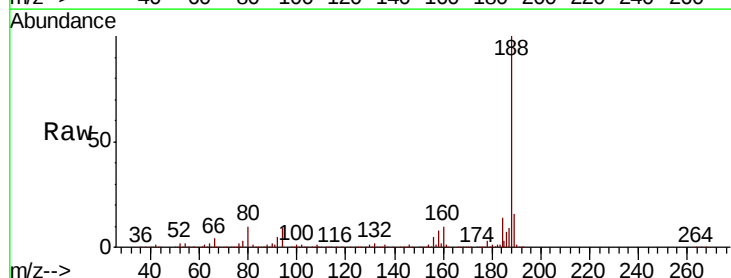
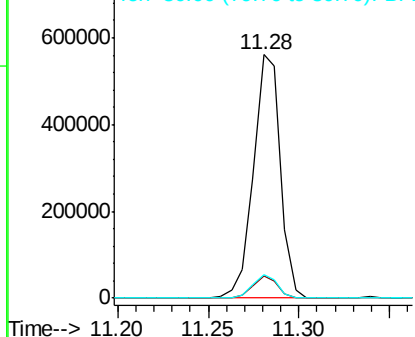
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

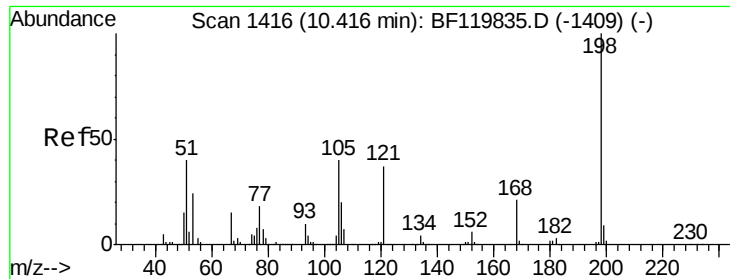
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.1	6.7	10.1	
80	9.5	7.4	11.2	

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 59.128 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion:198 Resp: 224553

Ion Ratio Lower Upper

198 100

51 60.6 25.2 65.2

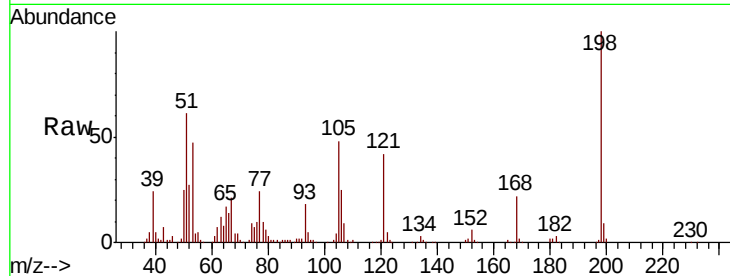
105 48.1 20.8 60.8

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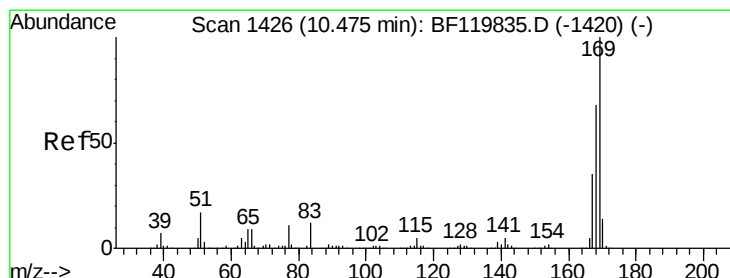
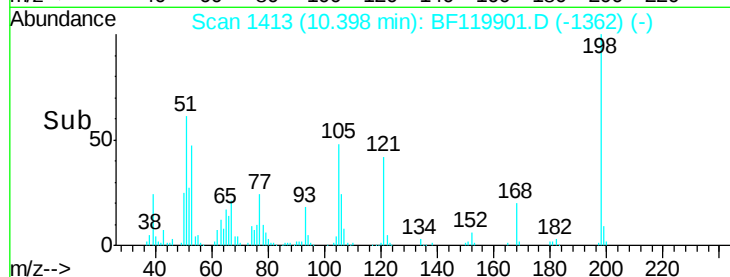
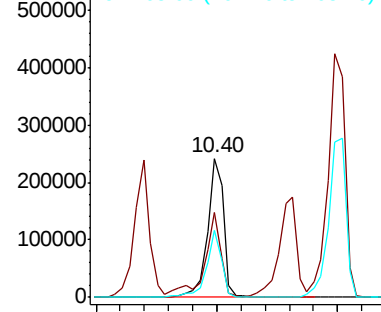
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 55.909 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

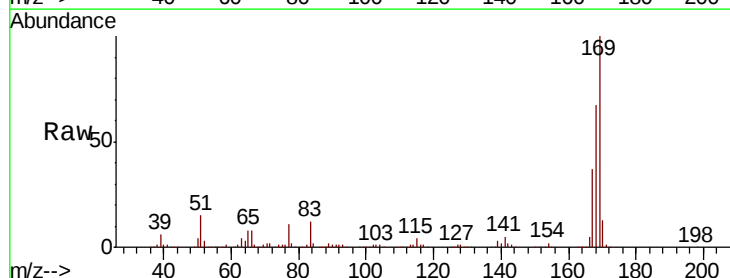
Tgt Ion:169 Resp: 1071851

Ion Ratio Lower Upper

169 100

168 66.8 54.2 81.4

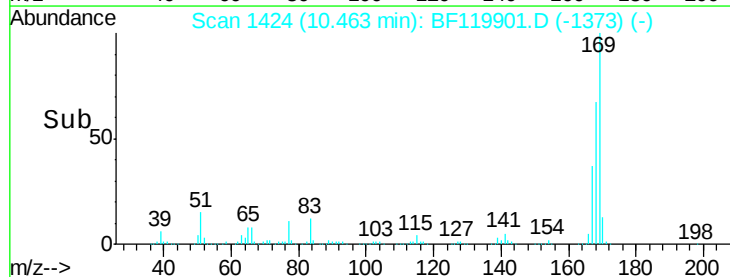
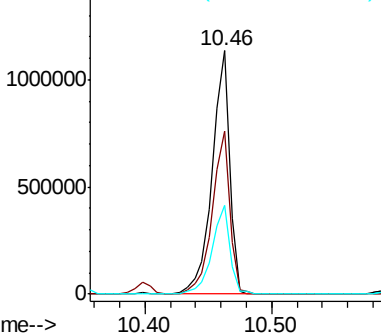
167 36.7 28.3 42.5

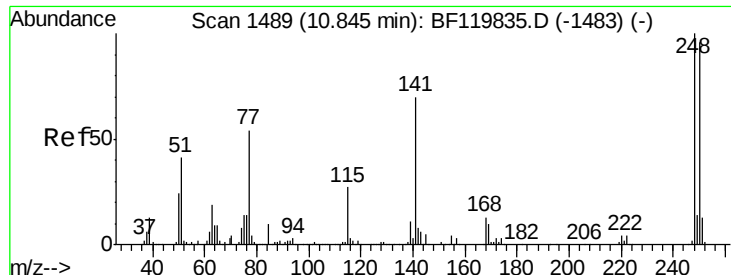


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





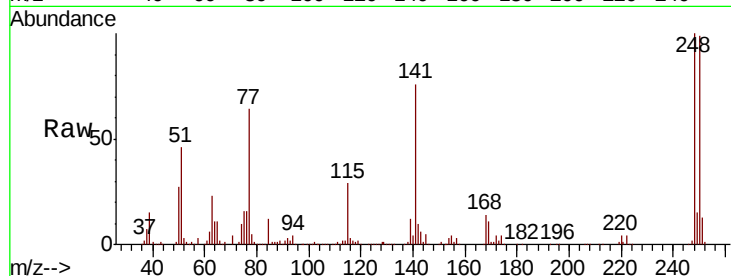
#67
 4-Bromophenyl-phenylether
 Concen: 51.318 ng
 RT: 10.83 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampled :
 CG-SUBMS

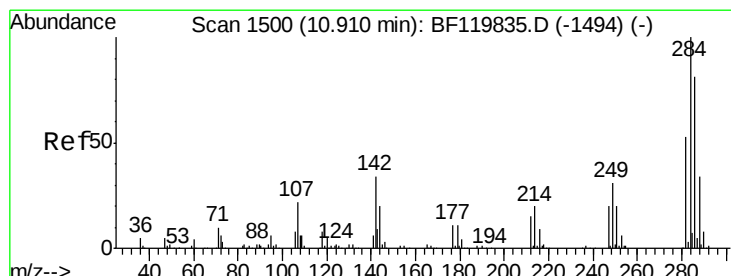
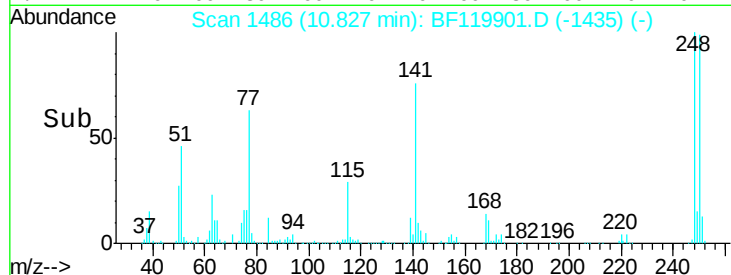
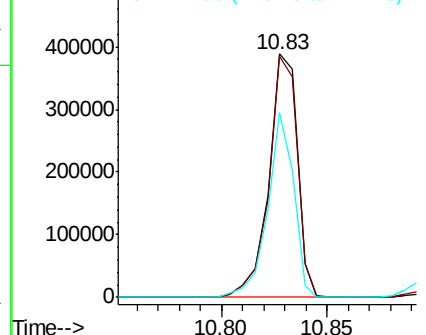
Tot Ion:	248	Resp:	367892
Ion Ratio	Lower	Upper	
248	100		
250	99.1	76.6	114.8
141	75.7	55.9	83.9

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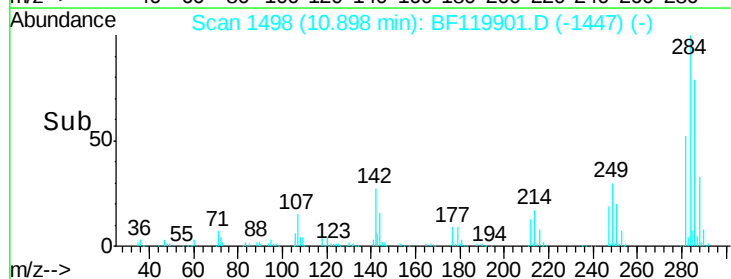
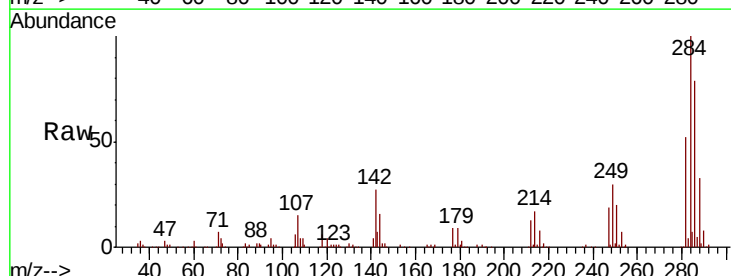
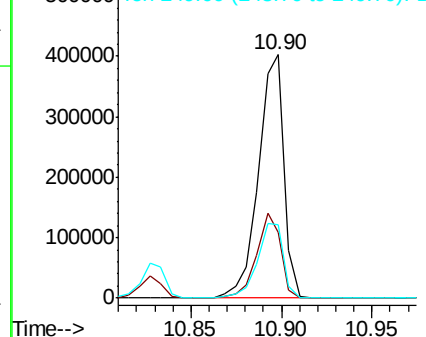
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

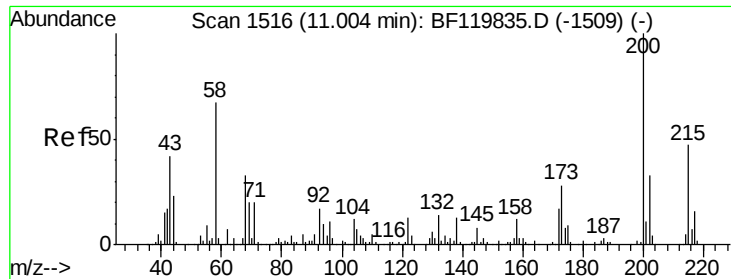


#68
 Hexachlorobenzene
 Concen: 53.770 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion:	284	Resp:	391040
Ion Ratio	Lower	Upper	
284	100		
142	26.8	26.9	40.3#
249	30.1	24.6	37.0

Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





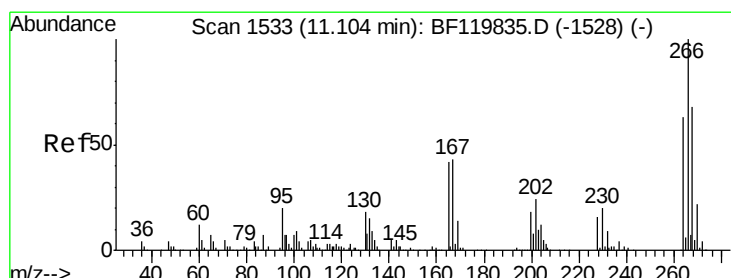
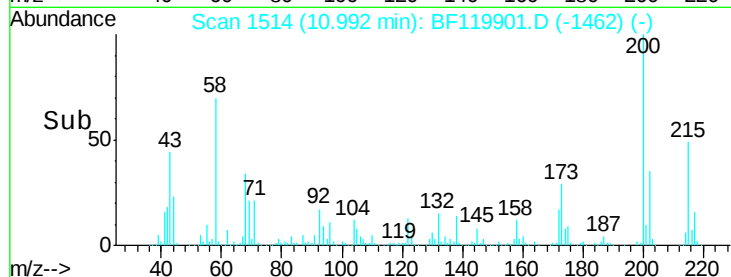
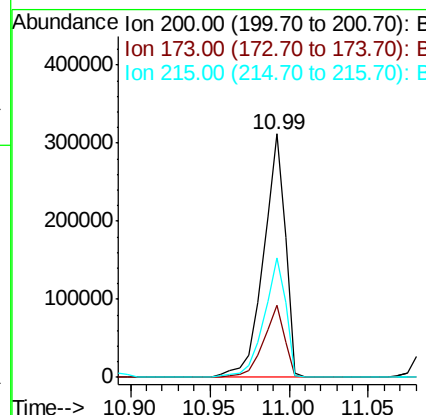
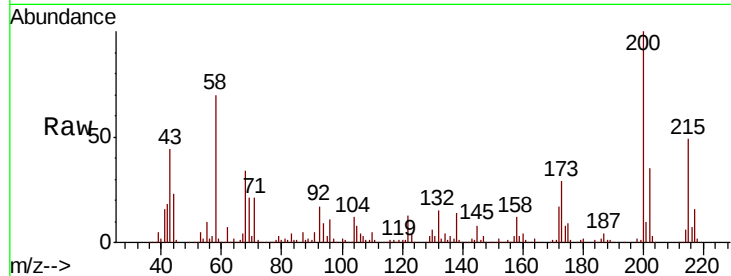
#69
Atrazine
Concen: 56.330 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.4	8.0	48.0
215	49.3	27.1	67.1

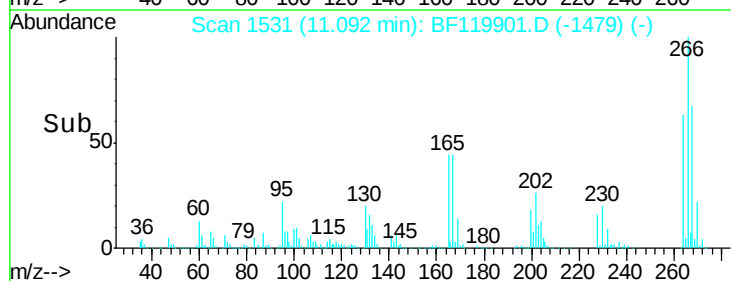
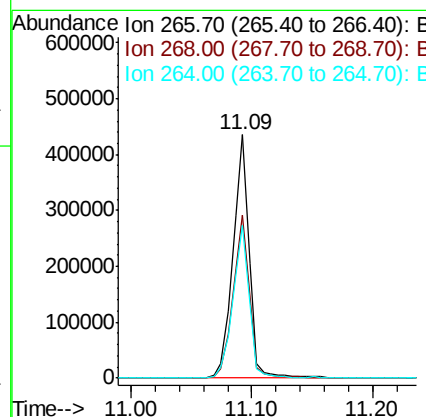
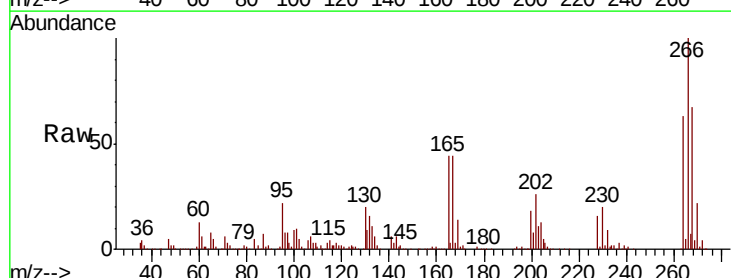
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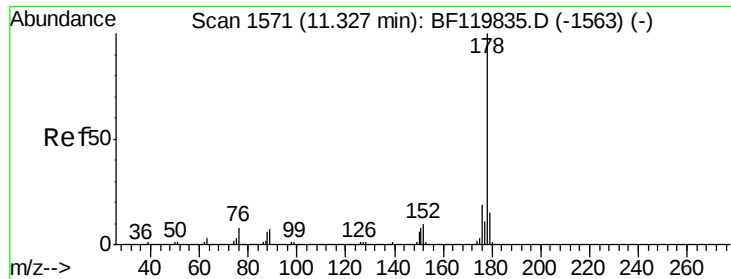
mohammad
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#70
Pentachlorophenol
Concen: 97.792 ng
RT: 11.09 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	67.0	54.2	81.4
264	62.7	50.6	76.0





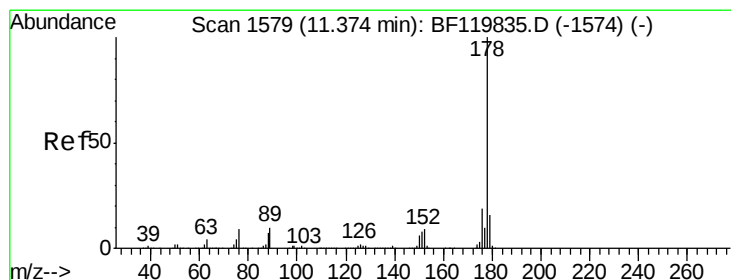
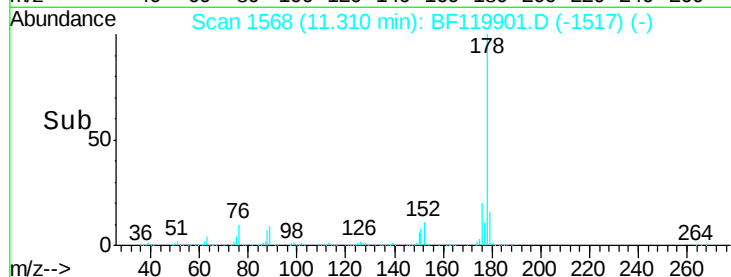
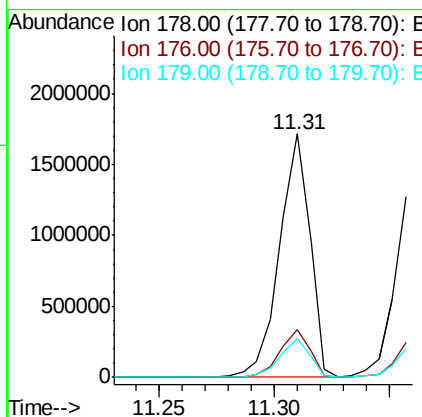
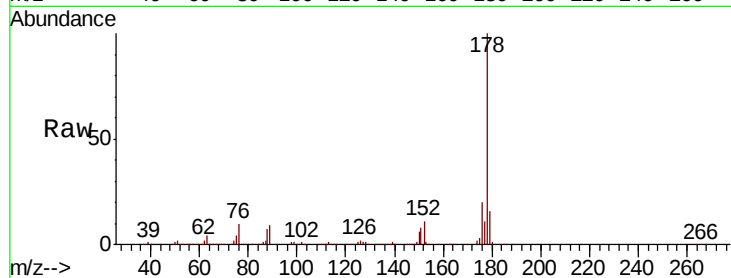
#71
Phenanthrene
Concen: 51.006 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion:178 Resp: 1564843
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 16.1 12.2 18.4

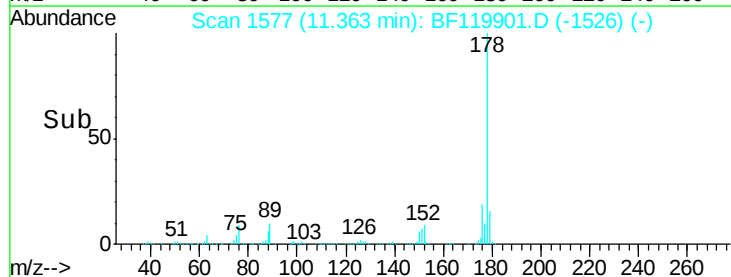
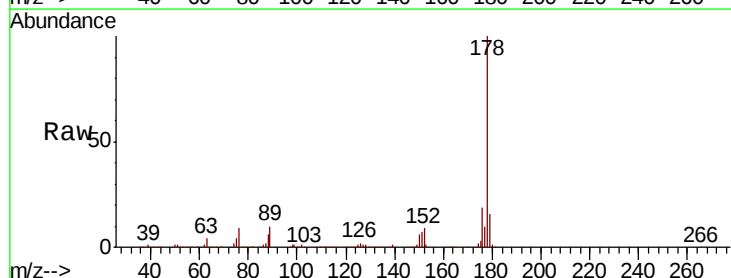
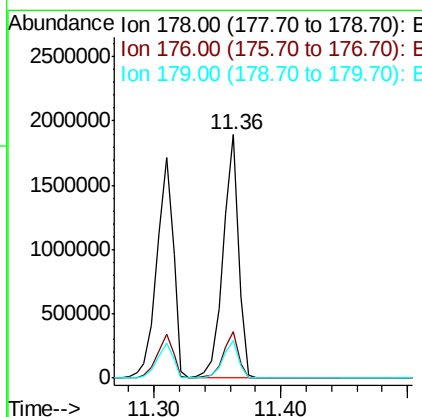
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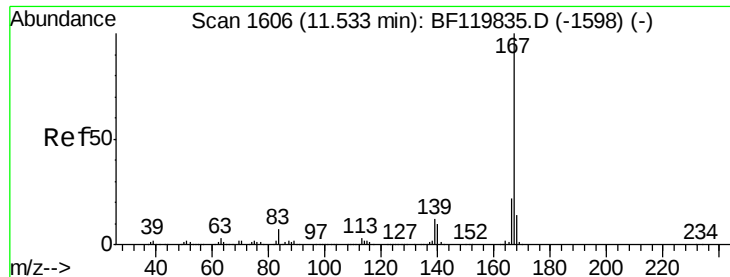
mohammad
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#72
Anthracene
Concen: 51.546 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion:178 Resp: 1615510
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.8 19.2





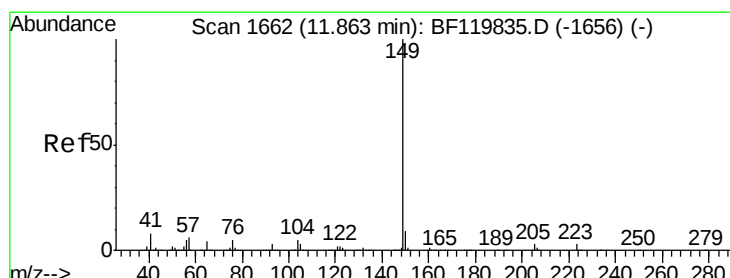
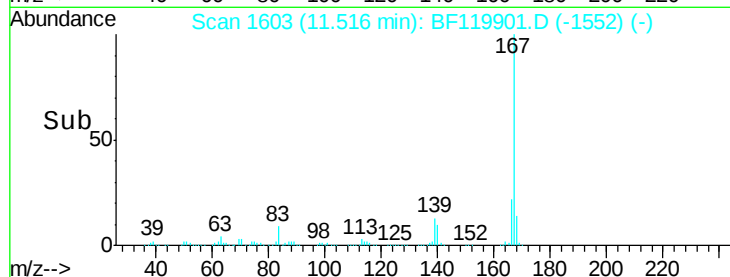
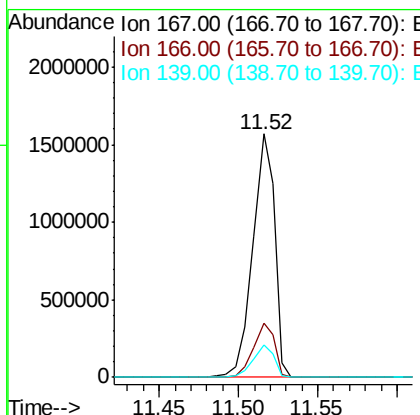
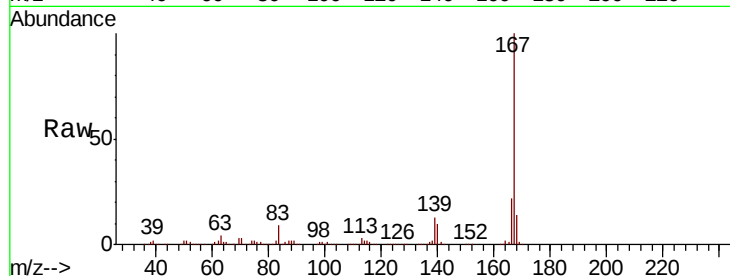
#73
 Carbazole
 Concen: 50.795 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion:167 Resp: 1505480
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 13.1 9.8 14.8

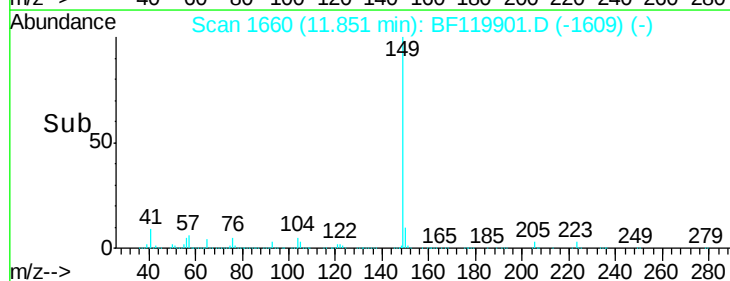
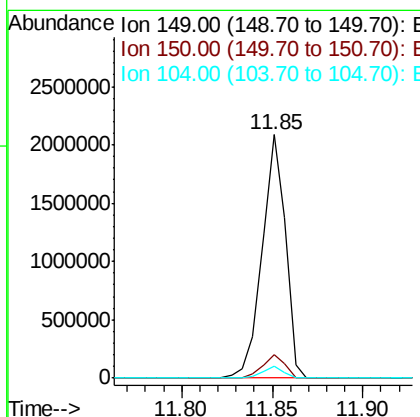
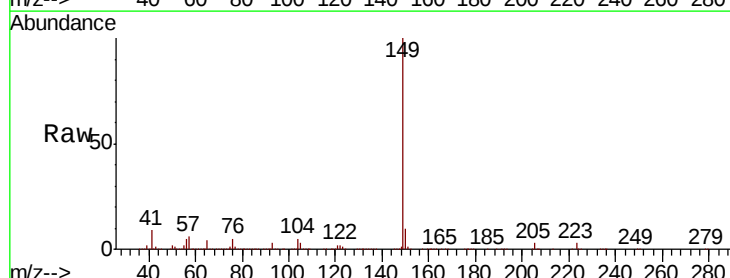
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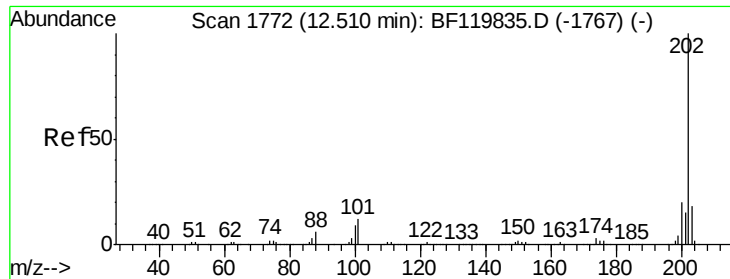
mohammad
 4/14/2020 3:39:07 PM



#74
 Di-n-butylphthalate
 Concen: 47.856 ng
 RT: 11.85 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion:149 Resp: 1864600
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.9 3.8 5.6





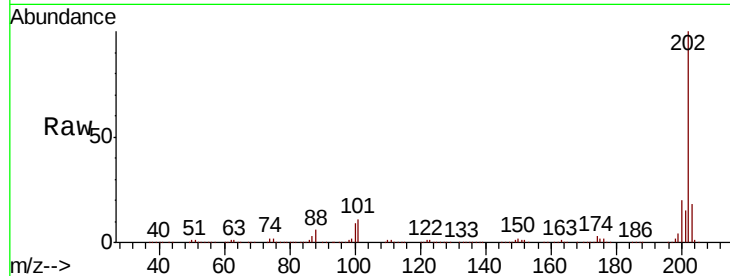
#75
Fluoranthene
Concen: 51.734 ng
RT: 12.50 min Scan# 1770
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1712552		
101	11.3	0.0	32.3	
203	18.1	0.0	37.6	

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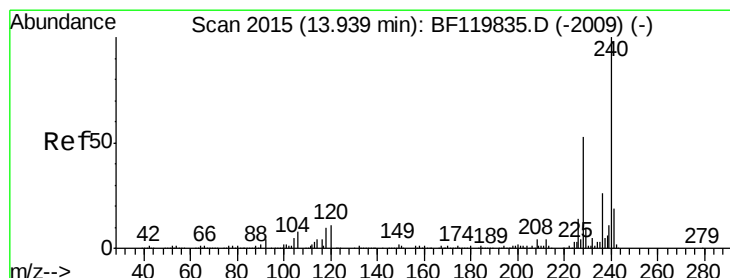
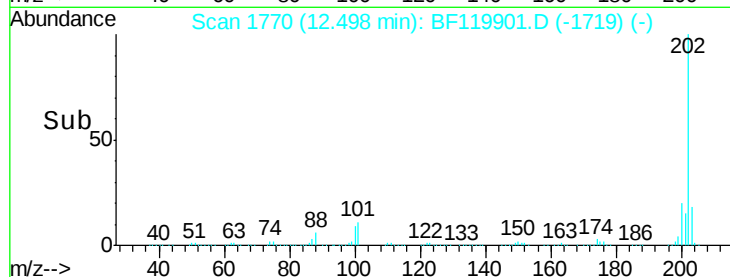
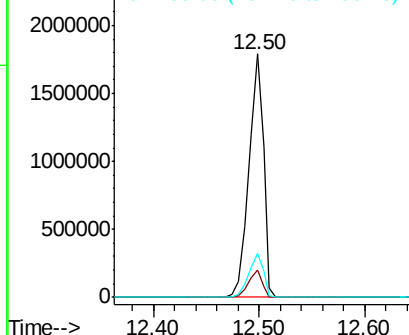


Abundance

Ion 202.00 (201.70 to 202.70): E

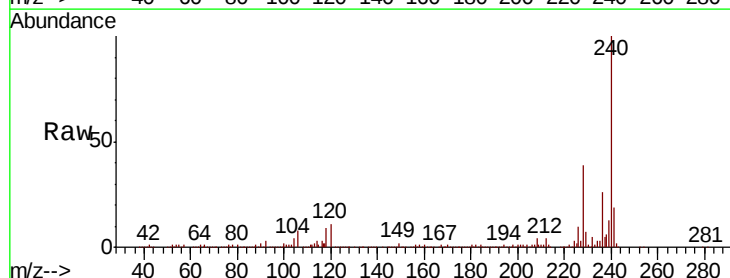
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	386285		
120	10.6	9.0	13.6	
236	25.7	20.7	31.1	

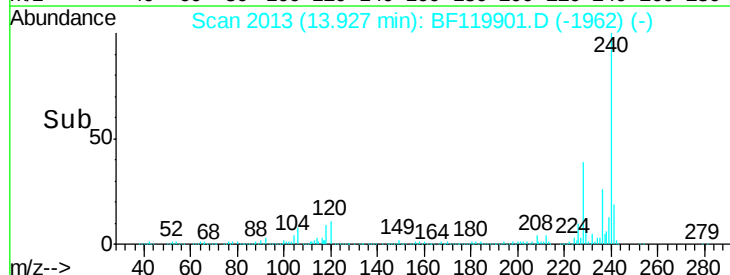
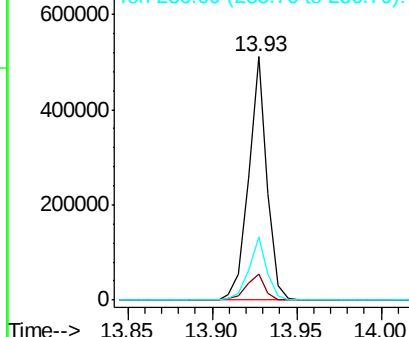


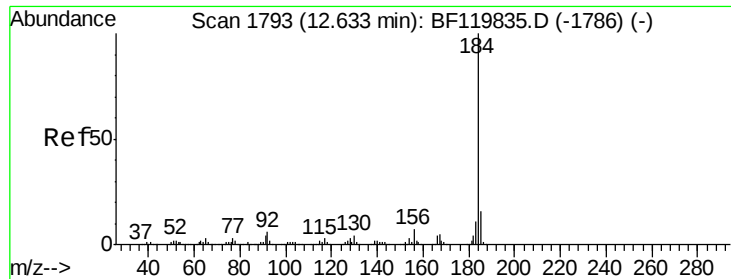
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 78.916 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion:184 Resp: 1030443

Ion Ratio Lower Upper

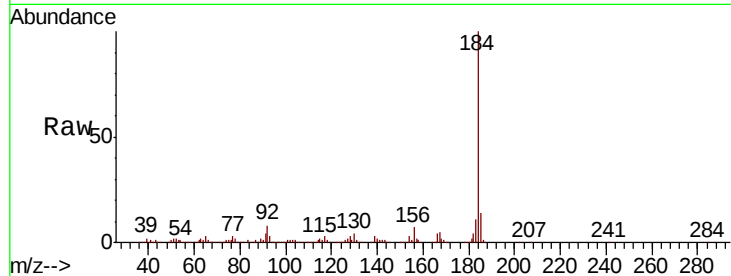
184 100

185 14.4 13.2 19.8

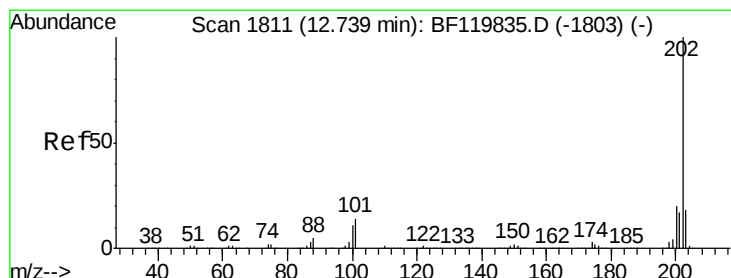
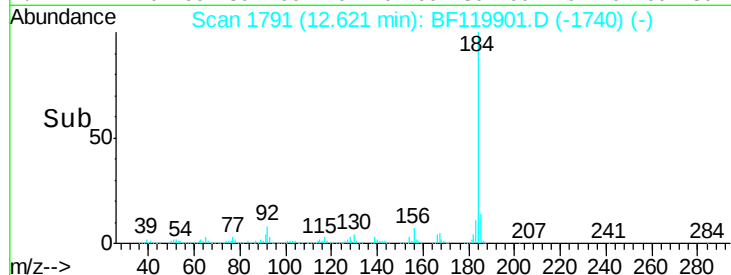
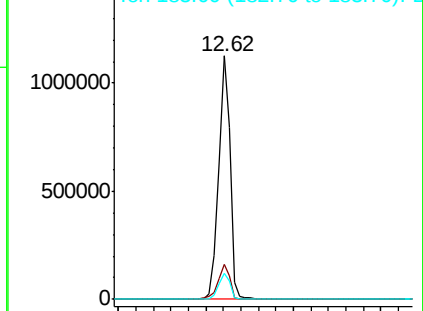
183 10.7 9.1 13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.435 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

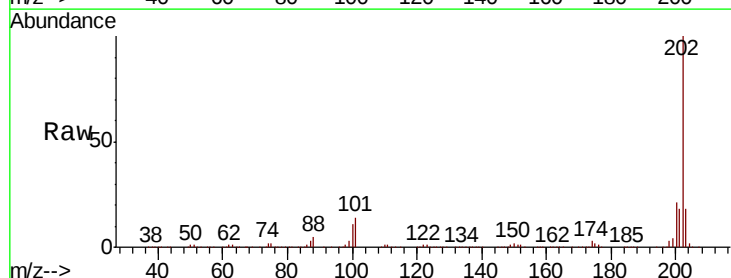
Tgt Ion:202 Resp: 1674948

Ion Ratio Lower Upper

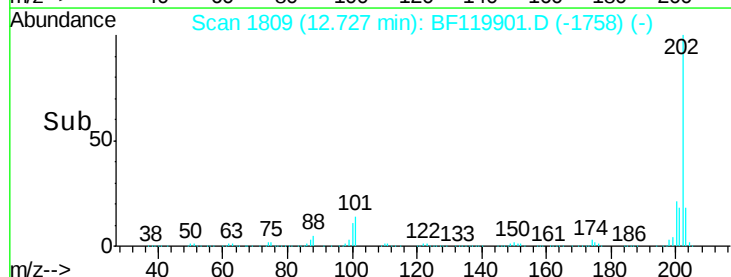
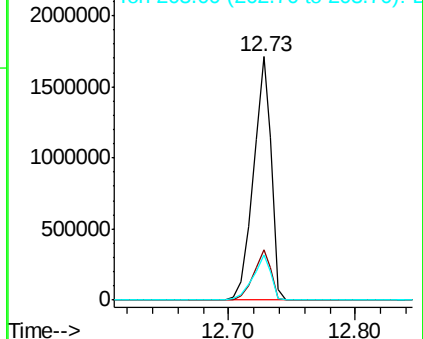
202 100

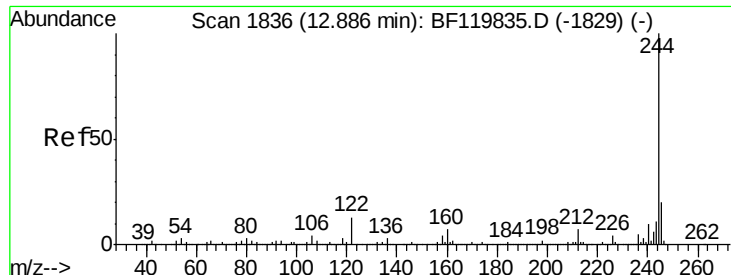
200 20.8 16.2 24.2

203 18.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





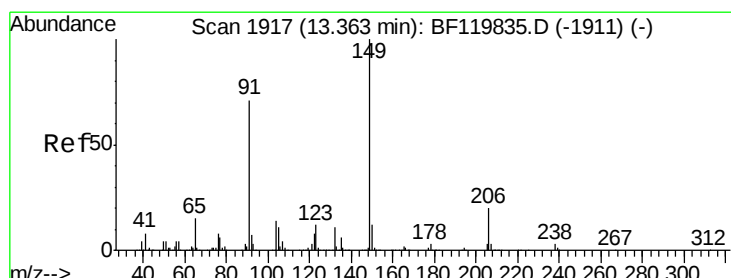
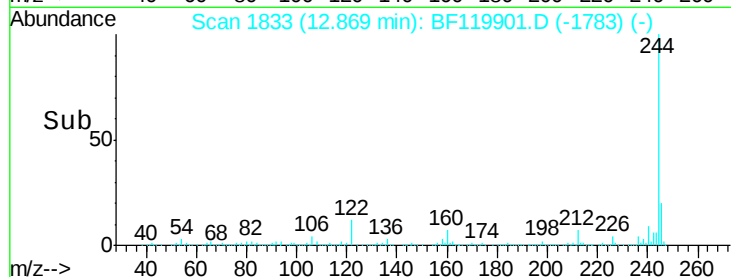
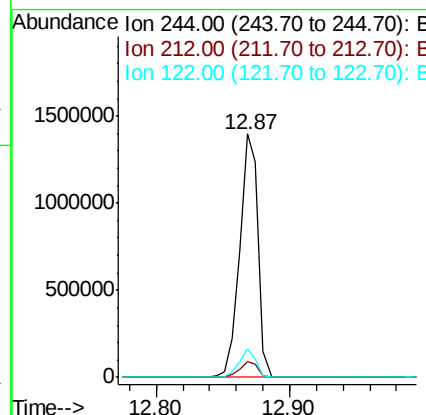
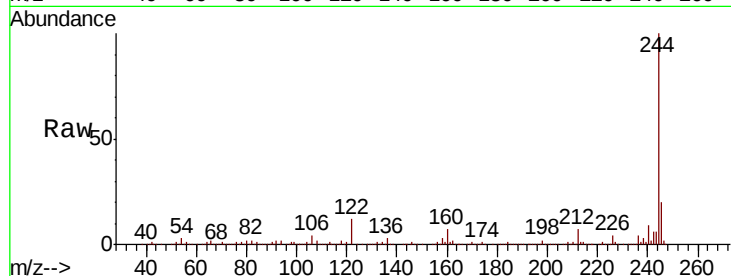
#79
 Terphenyl-d14
 Concen: 58.476 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.8	10.3	15.5

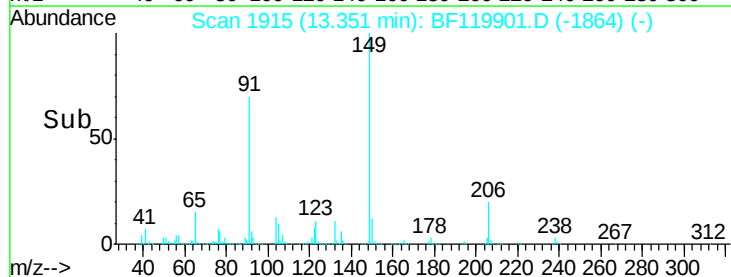
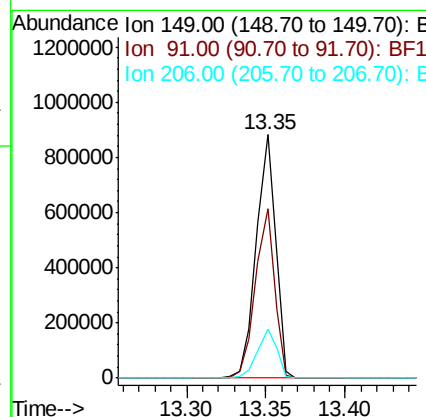
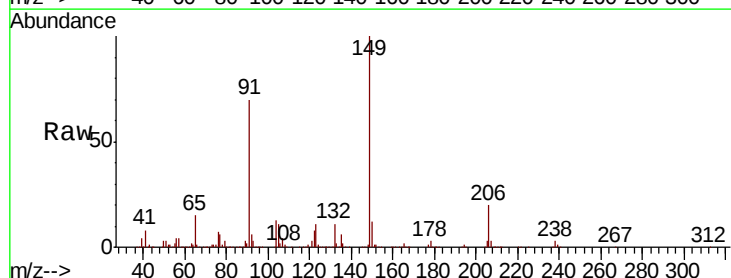
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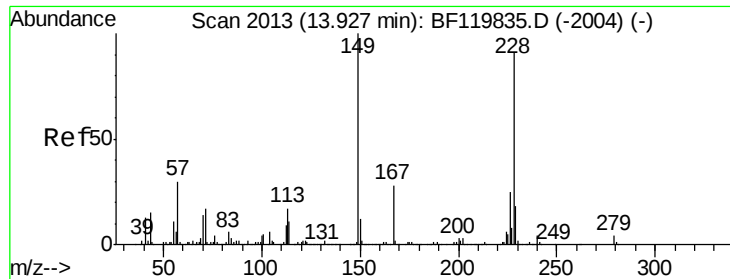
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#80
 Butylbenzylphthalate
 Concen: 47.556 ng
 RT: 13.35 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.7	56.7	85.1
206	20.2	15.7	23.5





#81

Benzo(a)anthracene

Concen: 51.203 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion:228 Resp: 1301174

Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

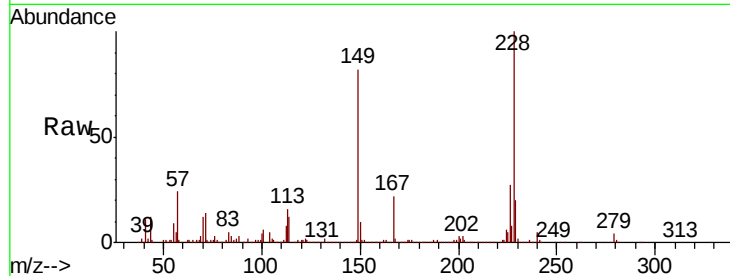
229 19.7 15.9 23.9

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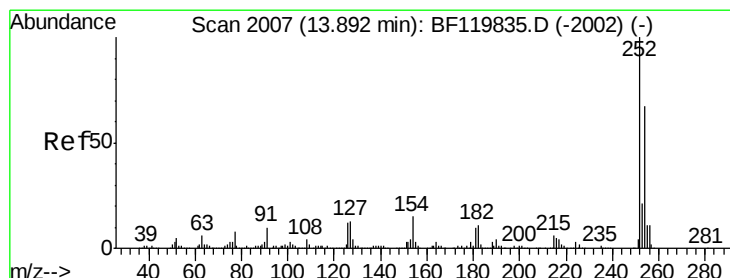
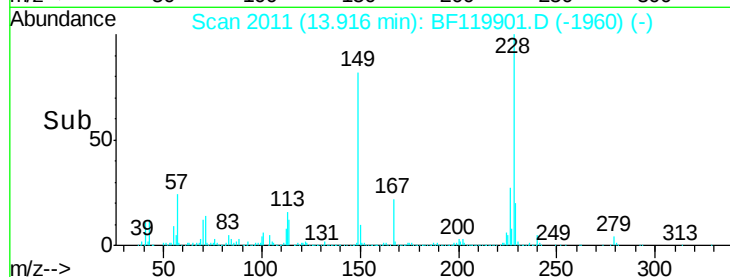
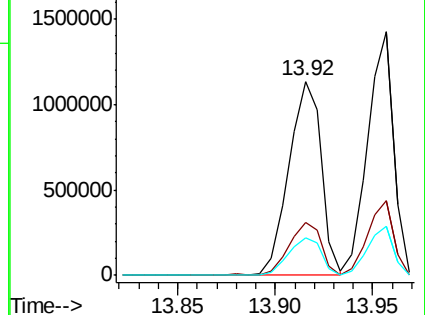
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 36.136 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

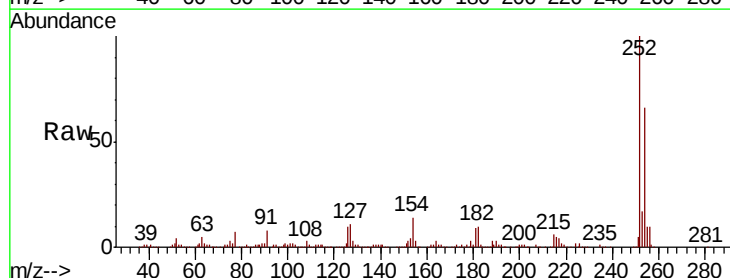
Tgt Ion:252 Resp: 342642

Ion Ratio Lower Upper

252 100

254 65.6 53.9 80.9

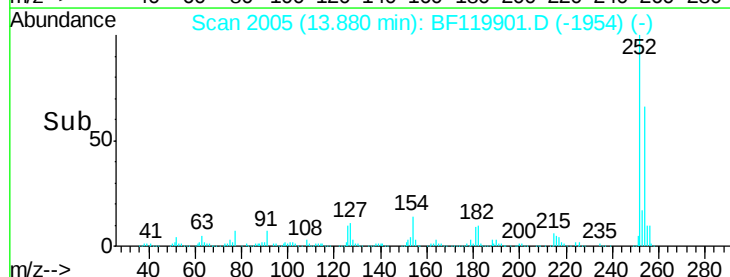
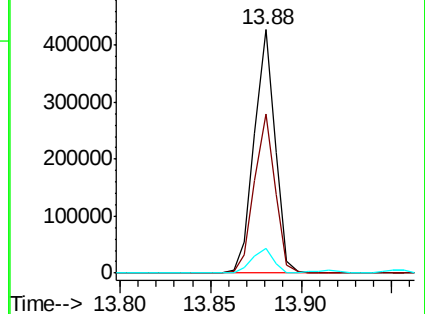
126 10.0 9.7 14.5

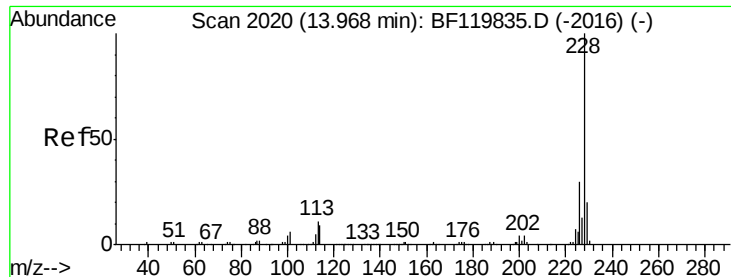


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





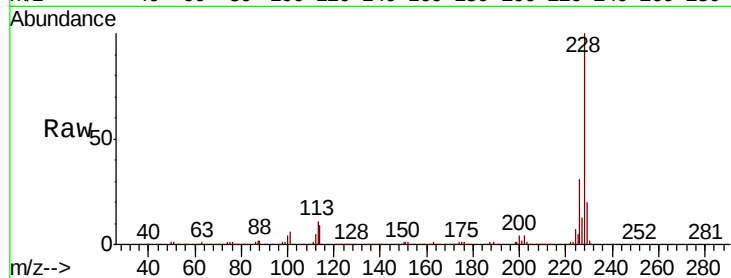
#83
 Chrvsene
 Concen: 50.879 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 CG-SUBMS

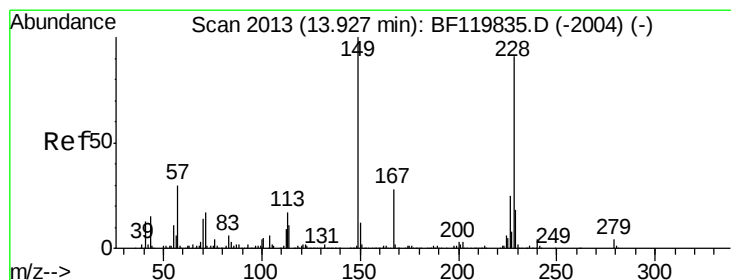
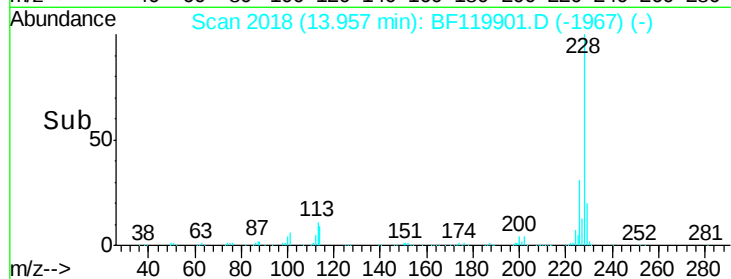
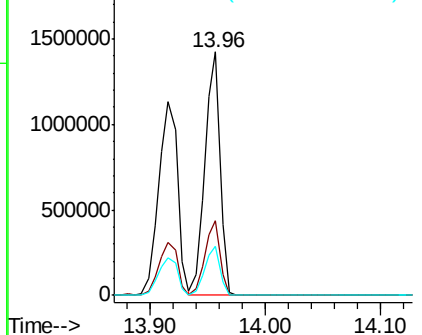
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	20.2	15.9	23.9

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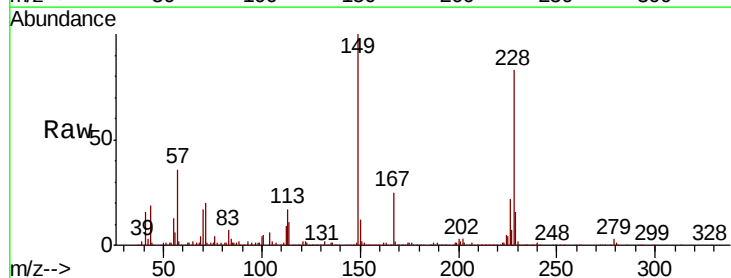


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

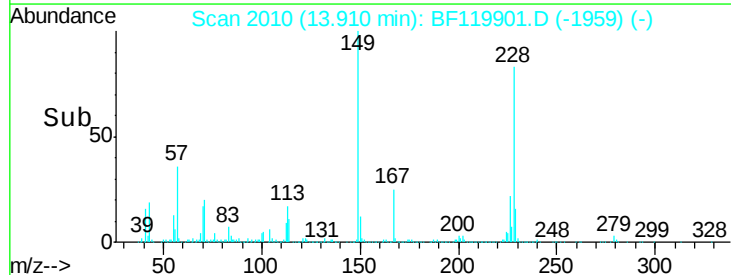
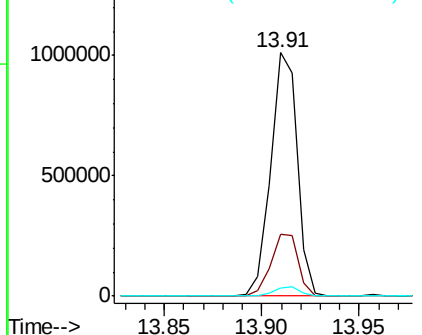


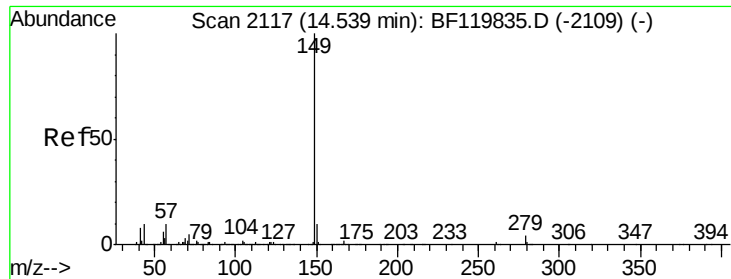
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.650 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: BF119901.D
 Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	22.2	33.2
279	3.5	3.4	5.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 42.331 ng

RT: 14.53 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

ClientSampleId :

CG-SUBMS

Tot Ion:149 Resp: 1542315

Ion Ratio Lower Upper

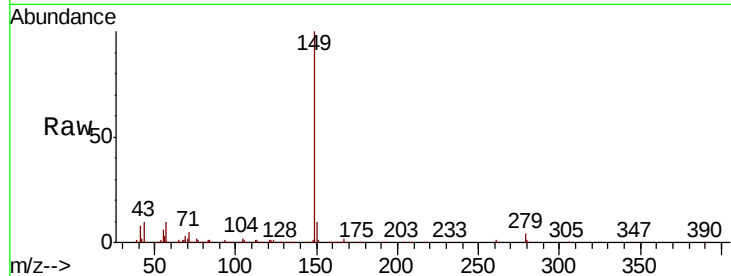
149 100

167 1.5 1.2 1.8

43 11.3 9.2 13.8

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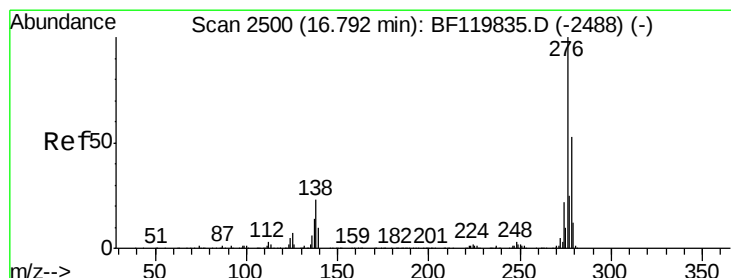
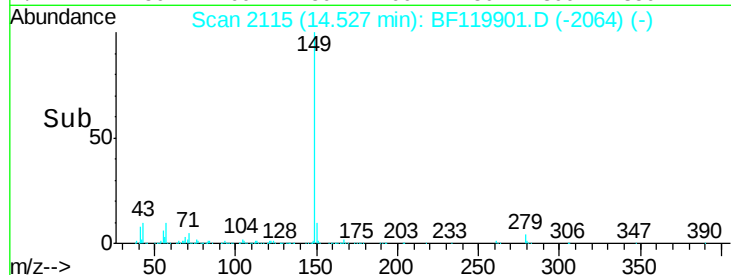
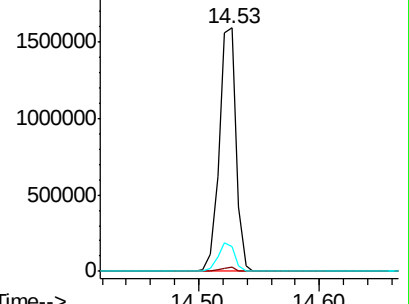
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.428 ng

RT: 16.77 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

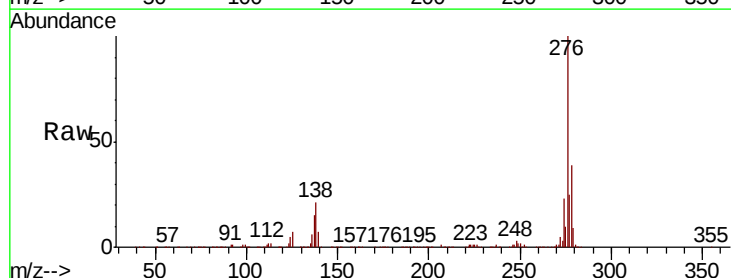
Tgt Ion:276 Resp: 1147805

Ion Ratio Lower Upper

276 100

138 22.7 18.0 27.0

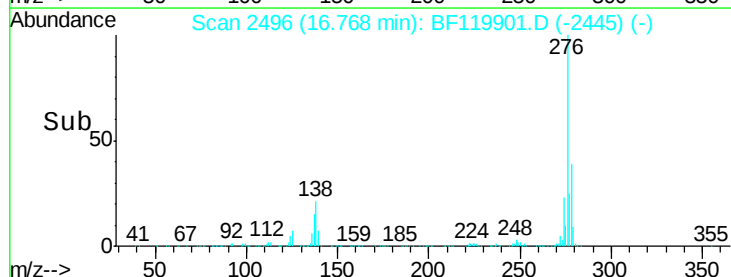
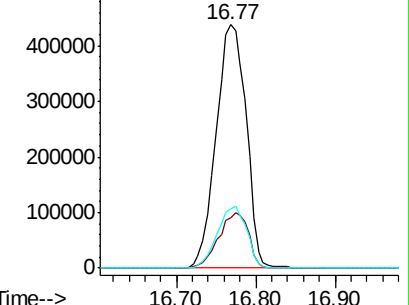
277 24.9 20.1 30.1

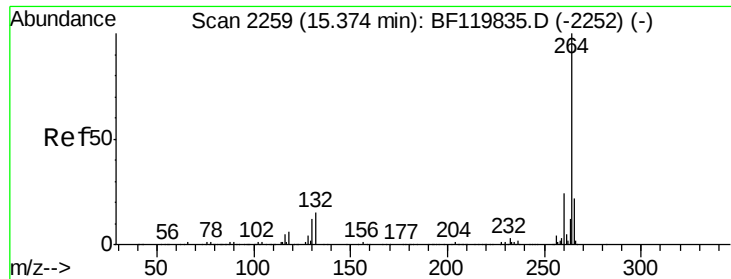


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.00 min

Lab File: BF119901.D

Acq: 10 Apr 2020 18:12

Instrument :

BNA_F

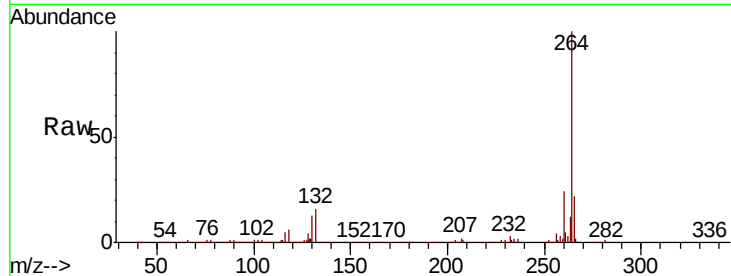
ClientSampleId :

CG-SUBMS

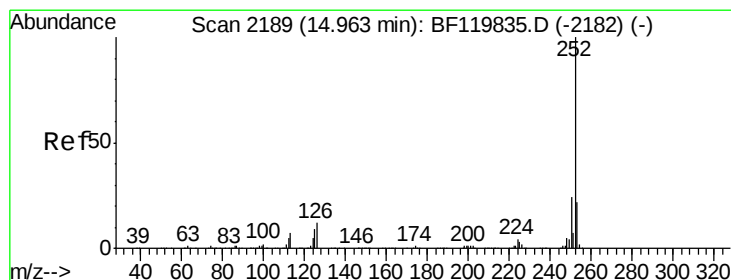
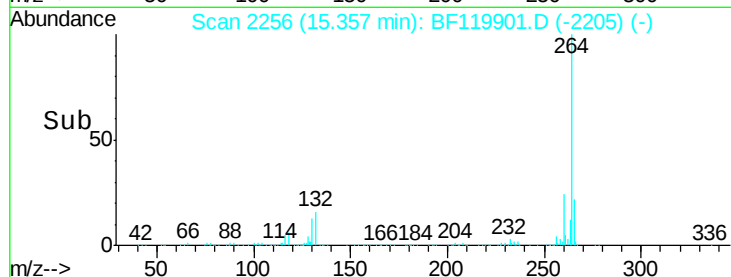
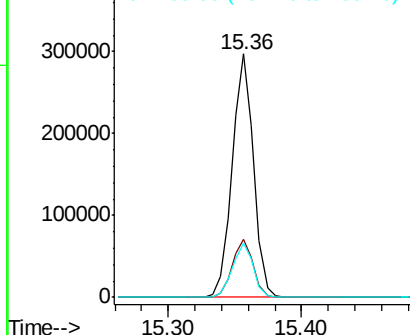
Tot Ion:	264	Resp:	332437
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.3	28.9
265	22.1	17.6	26.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 55.593 ng

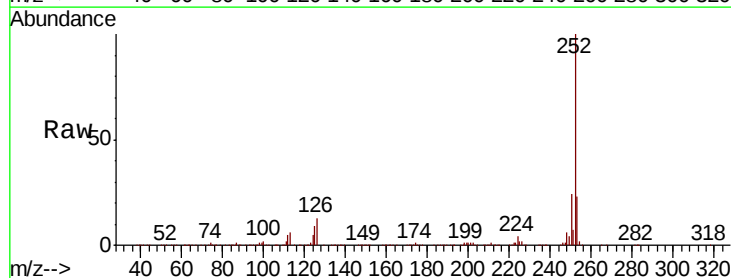
RT: 14.95 min Scan# 2187

Delta R.T. 0.01 min

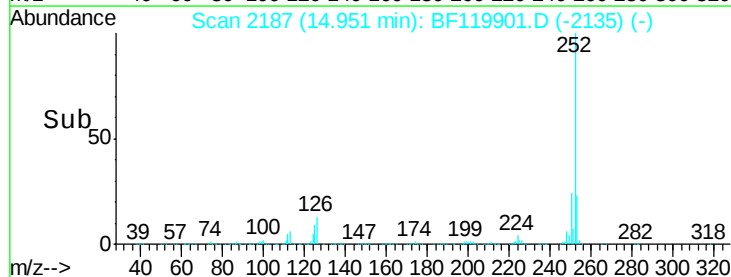
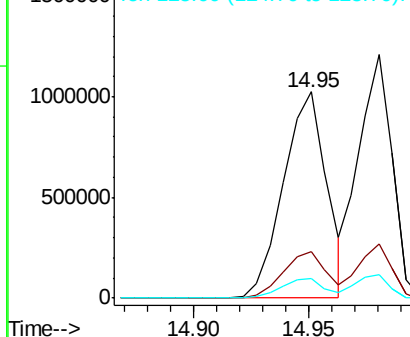
Lab File: BF119901.D

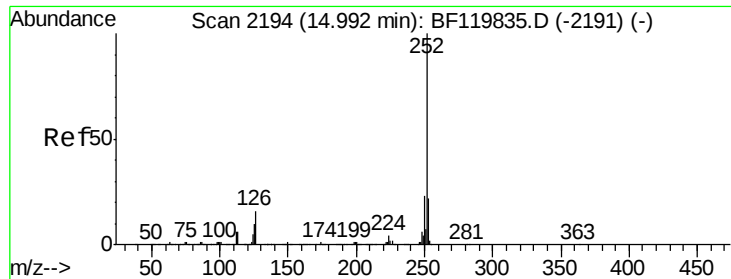
Acq: 10 Apr 2020 18:12

Tgt Ion:	252	Resp:	1329491
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	9.2	7.4	11.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





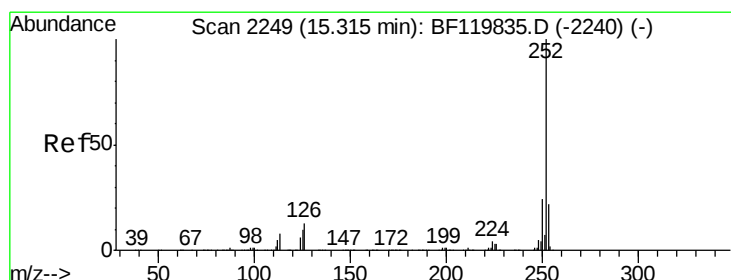
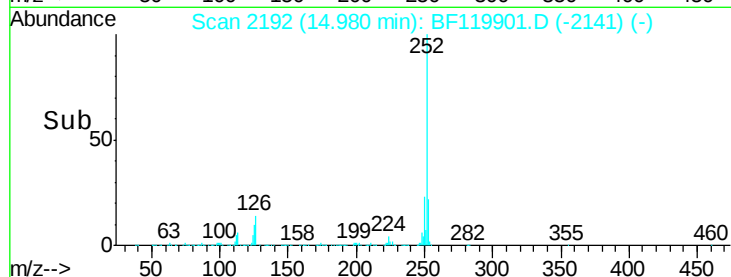
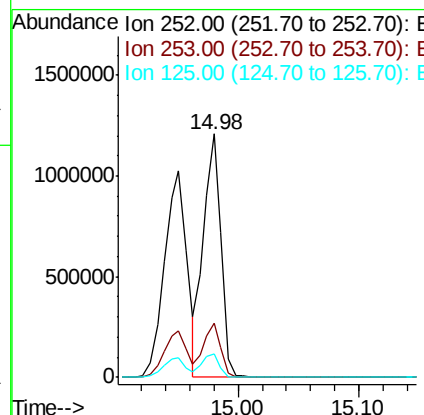
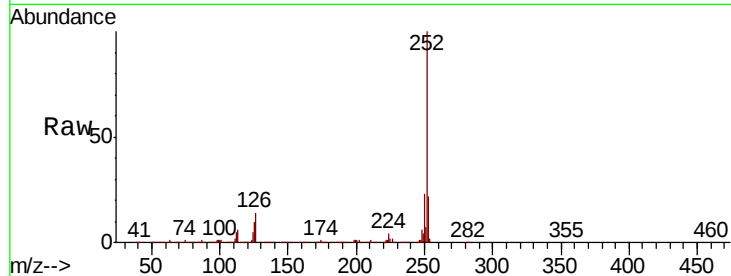
#89
Benzo(k)fluoranthene
Concen: 59.375 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.8	7.7	11.5

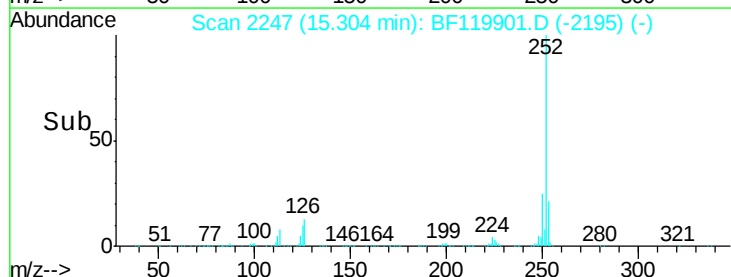
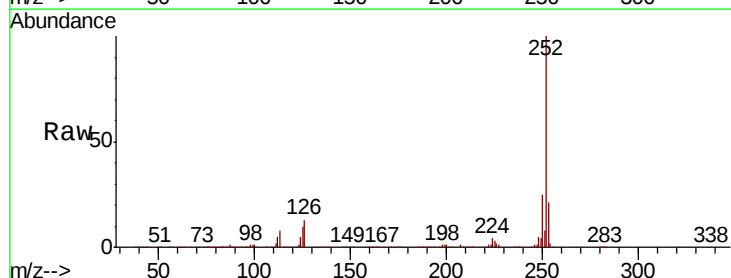
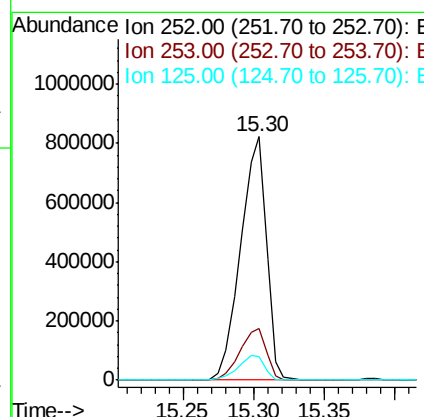
Manual Integrations
APPROVED

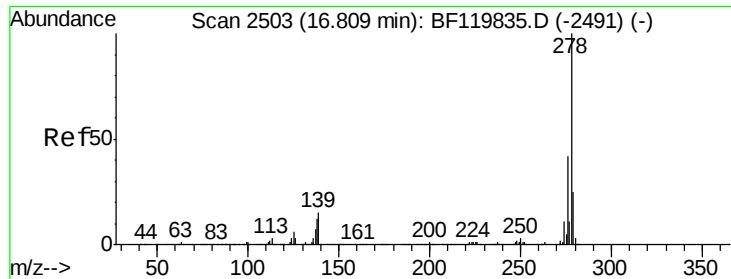
mohammad
4/14/2020 3:39:07 PM



#90
Benzo(a)pyrene
Concen: 52.241 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	9.7	8.3	12.5





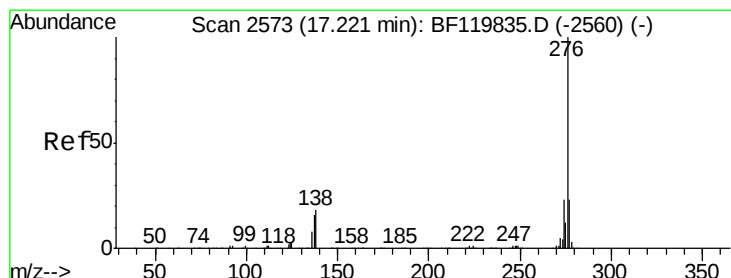
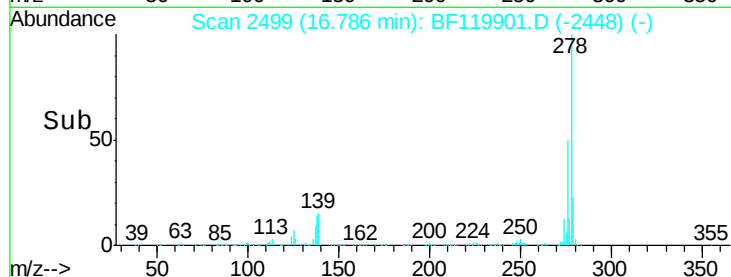
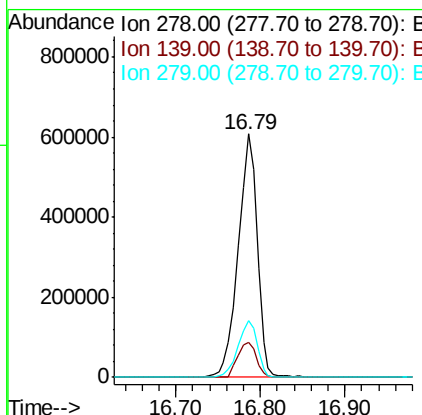
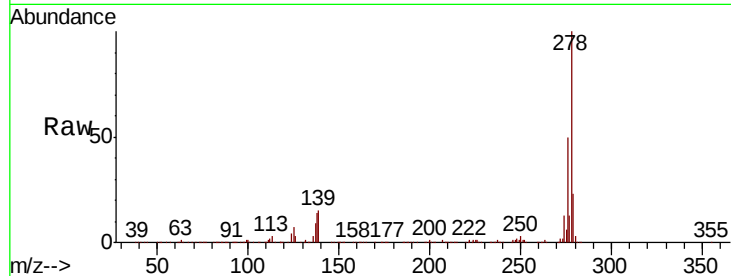
#91
Dibenzo(a,h)anthracene
Concen: 52.904 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
CG-SUBMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.6	17.4
279	23.3	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/14/2020 3:39:07 PM



#92
Benzo(g,h,i)perylene
Concen: 59.177 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.01 min
Lab File: BF119901.D
Acq: 10 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	20.0	14.6	22.0

