

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120062.D
 Acq On : 17 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2271-06MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Manual Integrations
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mohammad
 4/21/2020 8:22:36 AM

Quant Time: Apr 18 03:11:06 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 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	154170	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	613978	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	281369	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	451878	20.00	ng	0.00
76) Chrysene-d12	13.90	240	276532	20.00	ng	0.00
87) Perylene-d12	15.33	264	243282	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1124682	126.07	ng	0.02
7) Phenol-d6	6.38	99	1423247	123.81	ng	0.01
23) Nitrobenzene-d5	7.30	82	930970	78.44	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	311234	90.35	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1693188	85.44	ng	0.00
79) Terphenyl-d14	12.85	244	1304667	79.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.46	88	198306	49.909	ng	98
3) Pyridine	3.17	79	551417	50.581	ng	98
4) n-Nitrosodimethylamine	3.13	42	324020	58.173	ng	100
6) Aniline	6.39	93	427505m	28.335	ng	
8) 2-Chlorophenol	6.52	128	606019	60.799	ng	96
9) Benzaldehyde	6.27	77	262418	44.783	ng	99
10) Phenol	6.39	94	735025	56.362	ng	95
11) bis(2-Chloroethyl)ether	6.47	93	754261	74.908	ng	98
12) 1,3-Dichlorobenzene	6.67	146	603999	55.349	ng	98
13) 1,4-Dichlorobenzene	6.75	146	604053	54.340	ng	100
14) 1,2-Dichlorobenzene	6.90	146	570695	55.707	ng	96
15) Benzyl Alcohol	6.88	79	492873	55.204	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.01	45	988788	50.464	ng	88
17) 2-Methylphenol	7.00	107	470702	52.916	ng	94
18) Hexachloroethane	7.24	117	216303	52.067	ng	98
19) n-Nitroso-di-n-propylamine	7.16	70	408349	55.243	ng	98
20) 3+4-Methylphenols	7.15	107	582704	53.562	ng	94
22) Acetophenone	7.15	105	786746	54.721	ng	# 97
24) Nitrobenzene	7.32	77	623335	52.211	ng	96
25) Isophorone	7.56	82	1181030	51.623	ng	98
26) 2-Nitrophenol	7.63	139	332818	55.798	ng	95
27) 2,4-Dimethylphenol	7.68	122	512536	56.975	ng	99
28) bis(2-Chloroethoxy)methane	7.77	93	763970	56.748	ng	98
29) 2,4-Dichlorophenol	7.88	162	488821	53.012	ng	98
30) 1,2,4-Trichlorobenzene	7.96	180	547678	52.419	ng	100
31) Naphthalene	8.04	128	1675864	51.879	ng	100
32) Benzoic acid	7.84	122	416230	52.684	ng	95
33) 4-Chloroaniline	8.09	127	291955	20.761	ng	99
34) Hexachlorobutadiene	8.16	225	314897	50.349	ng	99
35) Caprolactam	8.48	113	143758m	50.967	ng	
36) 4-Chloro-3-methylphenol	8.59	107	505747	50.660	ng	97
37) 2-Methylnaphthalene	8.73	142	1099805	50.218	ng	99
38) 1-Methylnaphthalene	8.83	142	1033266	50.056	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	491949	55.357	ng	99

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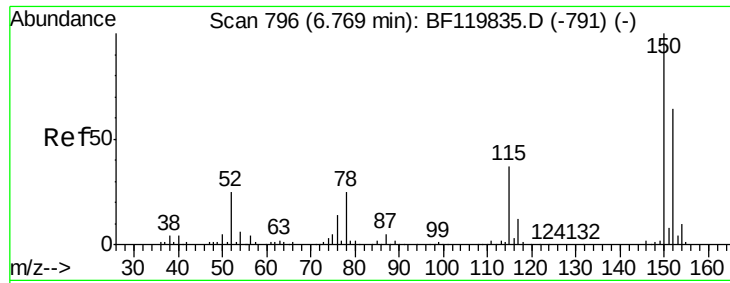
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	206753	40.914	nq	97
43) 2,4,6-Trichlorophenol	9.02	196	334524	54.512	nq	99
44) 2,4,5-Trichlorophenol	9.06	196	344339	49.819	nq	99
46) 1,1'-Biphenyl	9.20	154	1198939	50.484	nq	99
47) 2-Chloronaphthalene	9.22	162	971654	53.110	nq	97
48) 2-Nitroaniline	9.32	65	326294	49.216	nq	97
49) Acenaphthylene	9.64	152	1510243	54.280	nq	99
50) Dimethylphthalate	9.51	163	1486054	68.282	nq	99
51) 2,6-Dinitrotoluene	9.57	165	255626	53.637	nq #	85
52) Acenaphthene	9.81	154	973736m	52.464	nq	
53) 3-Nitroaniline	9.73	138	153725	28.242	nq	96
54) 2,4-Dinitrophenol	9.84	184	124864	43.761	nq #	90
55) Dibenzofuran	9.98	168	1317986	51.749	nq	100
56) 4-Nitrophenol	9.91	139	356154	87.941	nq	94
57) 2,4-Dinitrotoluene	9.97	165	303515	48.338	nq	95
58) Fluorene	10.32	166	992315	48.718	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.10	232	267258	50.557	nq	97
60) Diethylphthalate	10.20	149	1194055	52.936	nq	100
61) 4-Chlorophenyl-phenylether	10.32	204	501440	48.032	nq	98
62) 4-Nitroaniline	10.35	138	214674	41.385	nq	99
63) Azobenzene	10.47	77	1027803	50.844	nq	99
65) 4,6-Dinitro-2-methylphenol	10.38	198	85080	28.579	nq	95
66) n-Nitrosodiphenylamine	10.44	169	887192	59.035	nq	99
67) 4-Bromophenyl-phenylether	10.80	248	275658	49.053	nq	95
68) Hexachlorobenzene	10.87	284	266422	46.734	nq	96
69) Atrazine	10.97	200	250326	59.868	nq	97
70) Pentachlorophenol	11.07	266	309728	94.278	nq	98
71) Phenanthrene	11.29	178	1290874	53.676	nq	99
72) Anthracene	11.34	178	1322625	53.836	nq	99
73) Carbazole	11.49	167	1148021	49.413	nq	99
74) Di-n-butylphthalate	11.83	149	1641617	53.749	nq	100
75) Fluoranthene	12.47	202	1165453	44.913	nq	97
77) Benzidine	12.59	184	64538	6.904	nq	98
78) Pyrene	12.70	202	1146479	49.179	nq	99
80) Butylbenzylphthalate	13.33	149	539258	47.672	nq	94
81) Benzo(a)anthracene	13.89	228	995400	54.716	nq	99
82) 3,3'-Dichlorobenzidine	13.86	252	261521	38.528	nq	97
83) Chrysene	13.93	228	999865	54.091	nq	100
84) Bis(2-ethylhexyl)phthalate	13.89	149	789553	51.542	nq #	99
85) Di-n-octyl phthalate	14.50	149	1302299	49.930	nq	98
86) Indeno(1,2,3-cd)pyrene	16.72	276	784927	48.172	nq	97
88) Benzo(b)fluoranthene	14.92	252	910131	52.004	nq	98
89) Benzo(k)fluoranthene	14.95	252	833126	55.173	nq	99
90) Benzo(a)pyrene	15.27	252	783940	53.275	nq	99
91) Dibenzo(a,h)anthracene	16.74	278	666978	51.171	nq	98
92) Benzo(g,h,i)perylene	17.14	276	627279	48.754	nq	98

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



#1

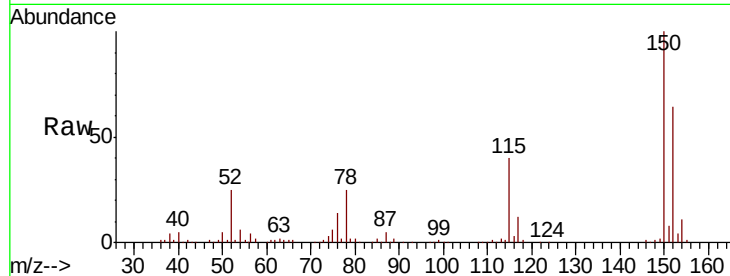
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.8	187.2
115	62.0	46.5	69.7

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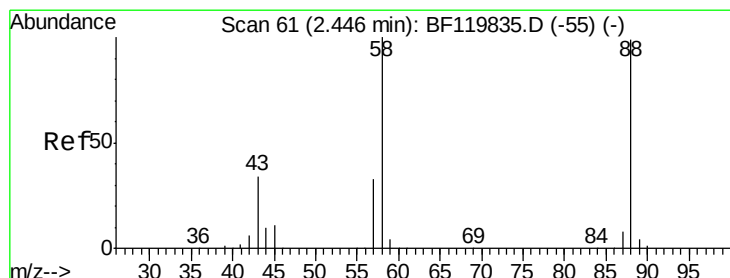
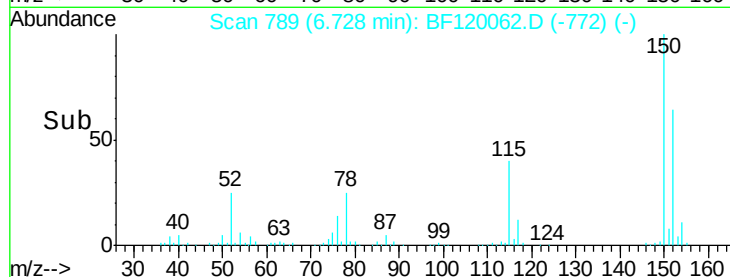
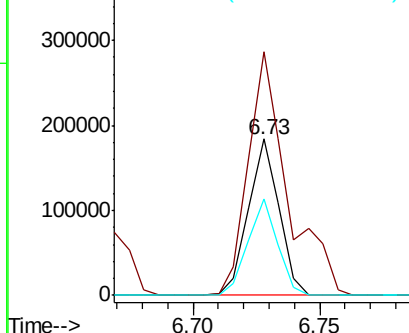


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

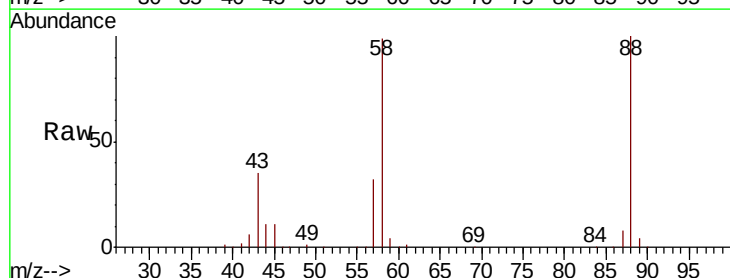
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 49.909 ng
RT: 2.46 min Scan# 64
Delta R.T. 0.09 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	101.1	82.6	123.8
43	36.1	28.6	42.8

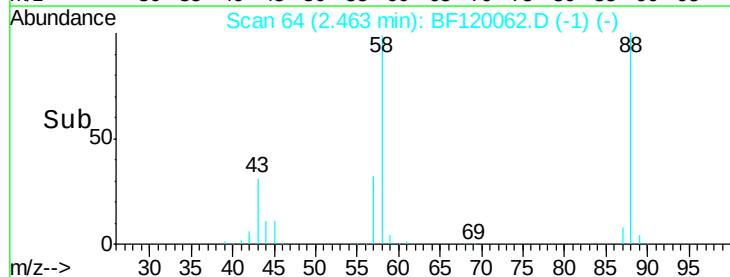
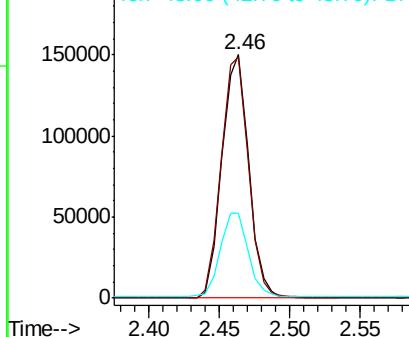


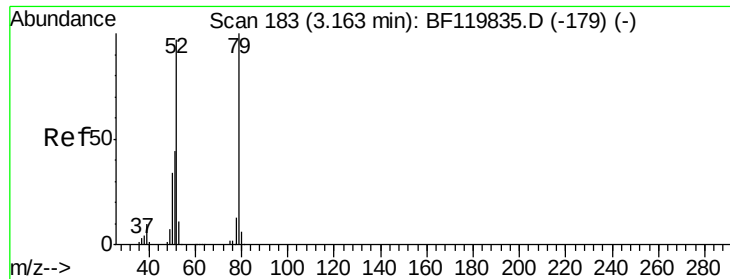
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 50.581 ng

RT: 3.17 min Scan# 184

Delta R.T. 0.09 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

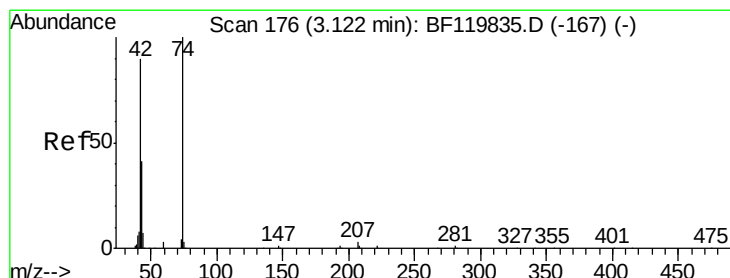
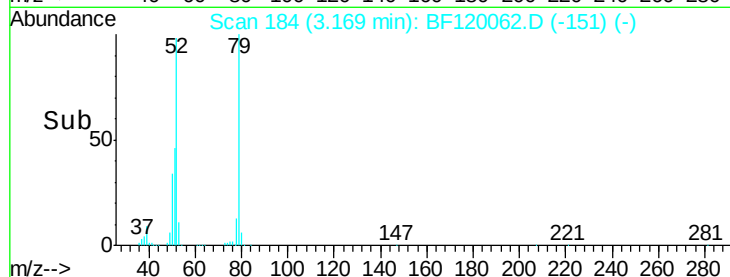
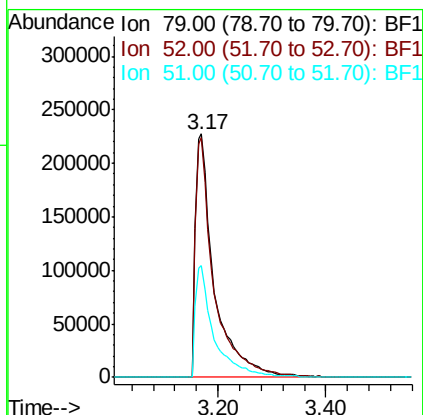
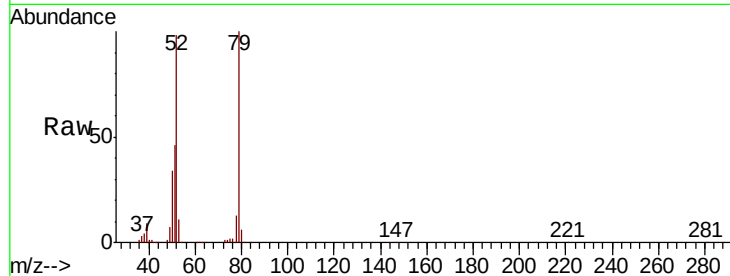
ClientSampleId :

BG-4MSD

Tot Ion:	79	Resp:	551417
Ion Ratio	Lower	Upper	
79	100		
52	98.4	77.4	116.0
51	45.9	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 58.173 ng

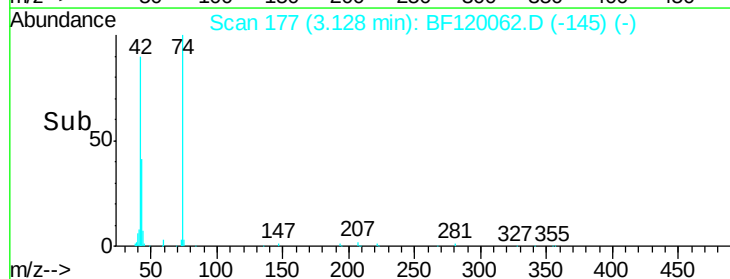
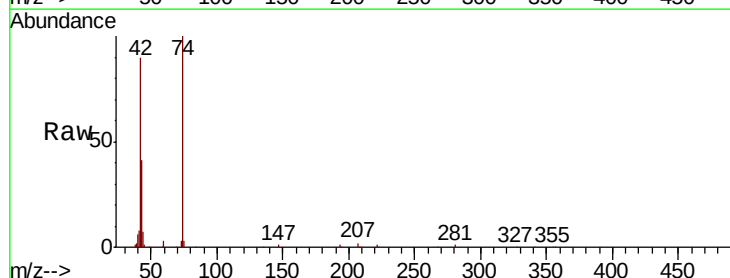
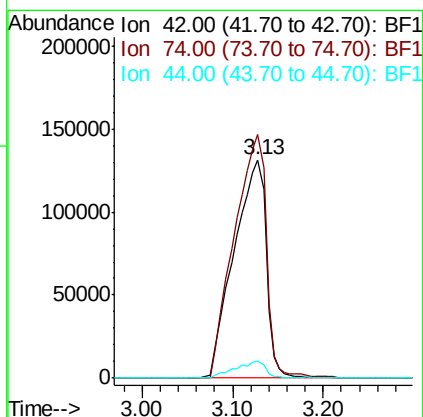
RT: 3.13 min Scan# 177

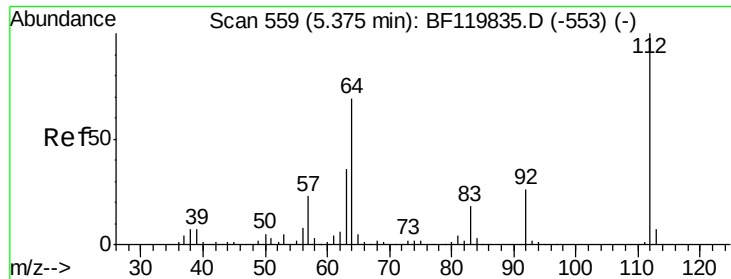
Delta R.T. 0.09 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tgt Ion:	42	Resp:	324020
Ion Ratio	Lower	Upper	
42	100		
74	111.5	89.0	133.4
44	7.7	6.2	9.4





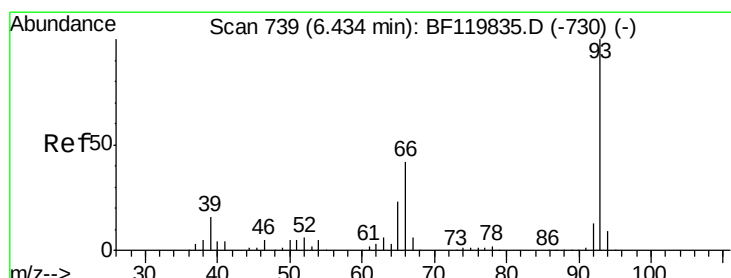
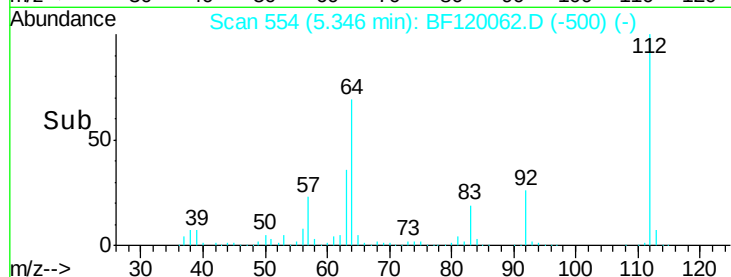
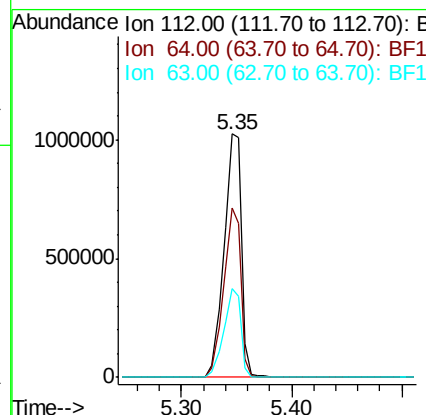
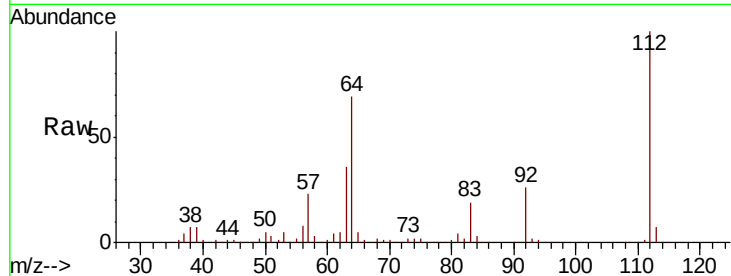
#5
2-Fluorophenol
Concen: 126.072 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	69.5	55.5	83.3
63	36.2	29.1	43.7

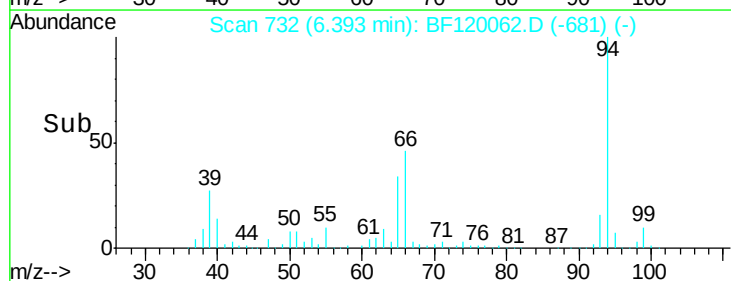
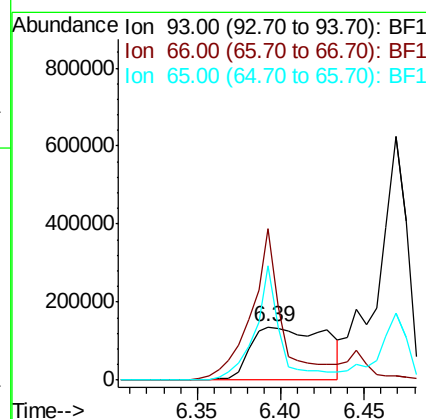
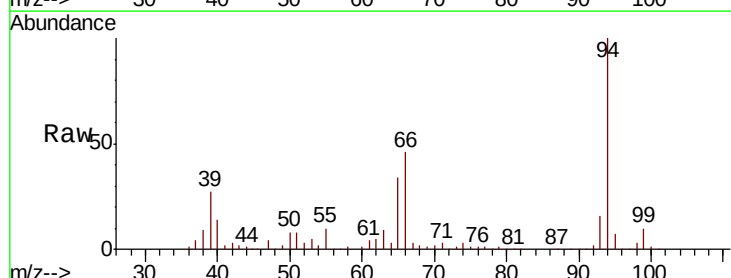
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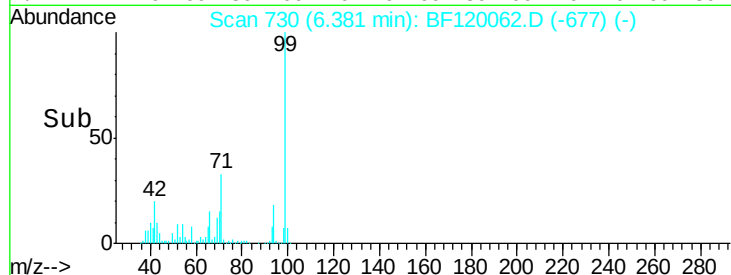
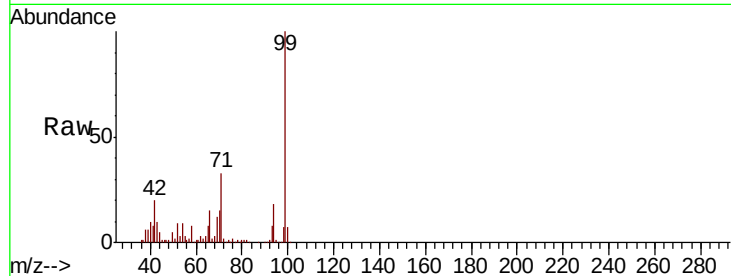
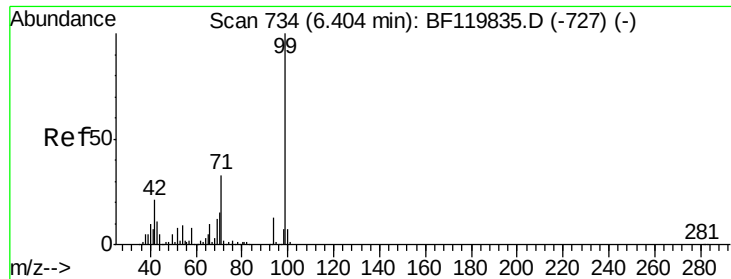
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#6
Aniline
Concen: 28.335 ng m
RT: 6.39 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
93	100		
66	285.0	34.2	51.2#
65	214.3	18.3	27.5#





#7

Phenol-d6

Concen: 123.814 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tot Ion:	99	Resp:	1423247
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.9	25.3
71	32.6	26.3	39.5

Instrument :

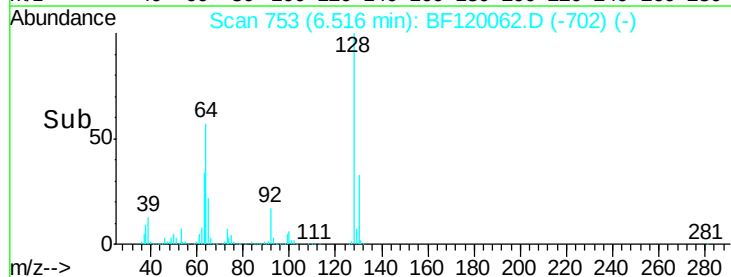
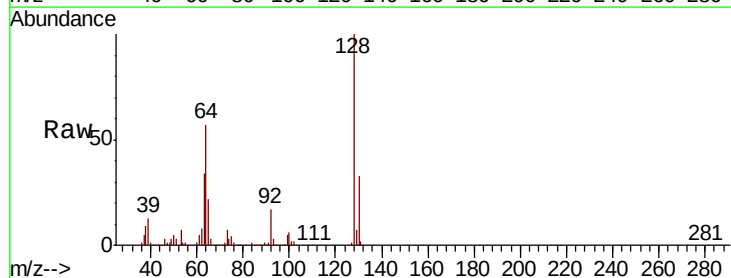
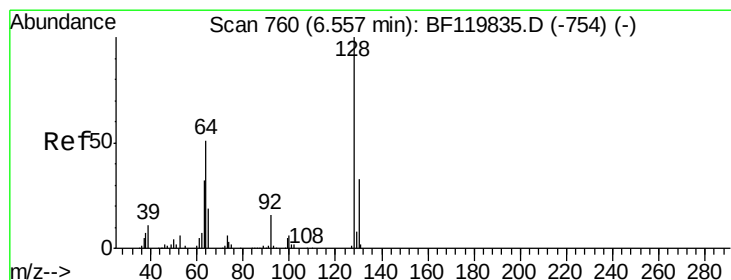
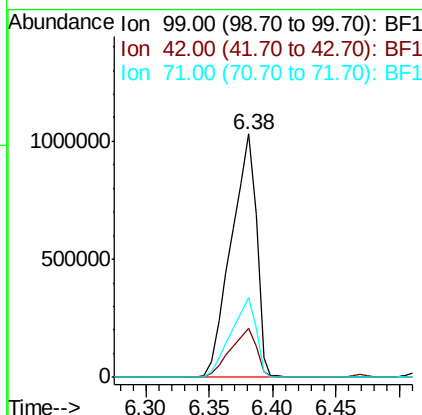
BNA_F

ClientSampled :

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#8

2-Chlorophenol

Concen: 60.799 ng

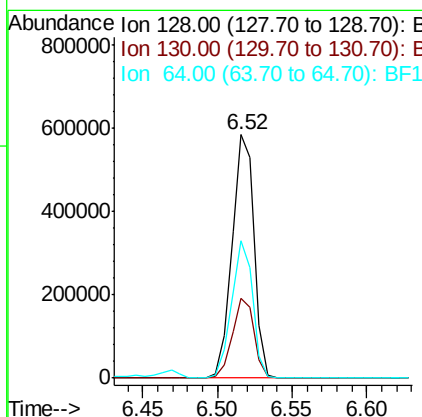
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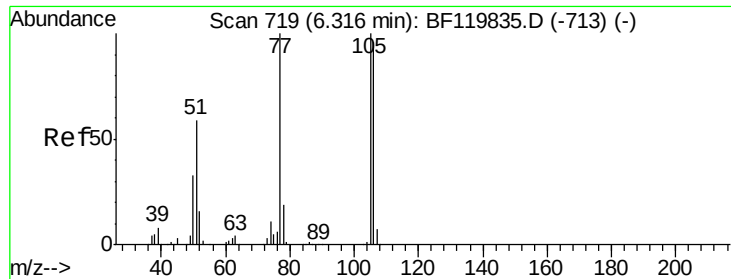
Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tgt Ion:	128	Resp:	606019
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	56.6	32.0	72.0





#9

Benzaldehyde

Concen: 44.783 ng

RT: 6.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

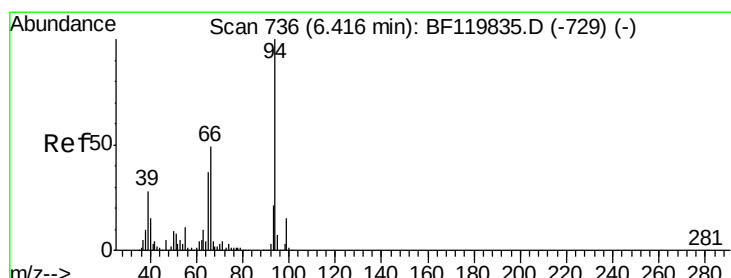
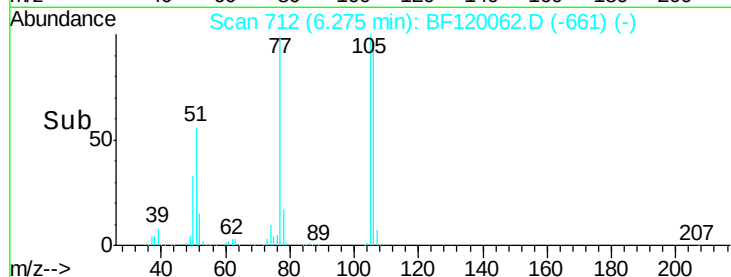
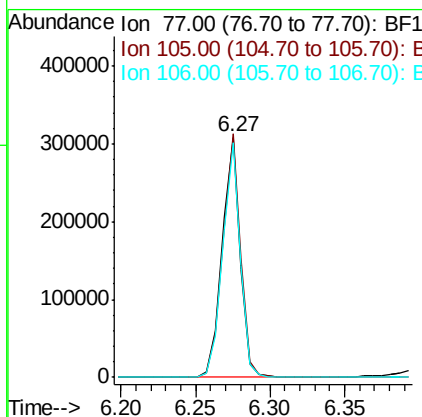
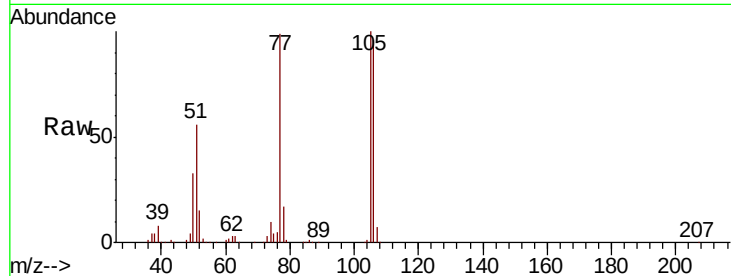
ClientSampleId :

BG-4MSD

Tot Ion:	77	Resp:	262418
Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.9	119.9
106	97.6	76.4	116.4

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#10

Phenol

Concen: 56.362 ng

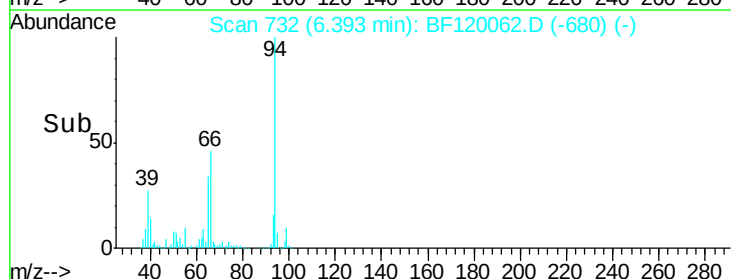
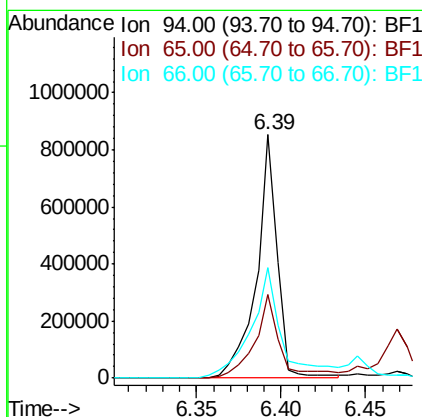
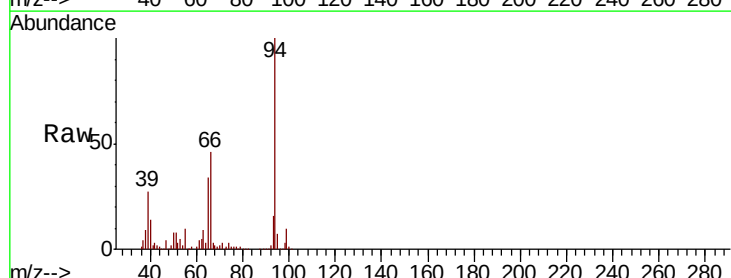
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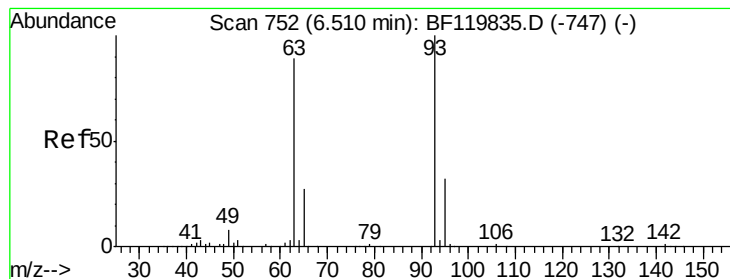
Delta R.T. 0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tgt Ion:	94	Resp:	735025
Ion	Ratio	Lower	Upper
94	100		
65	34.3	16.6	56.6
66	45.6	29.3	69.3





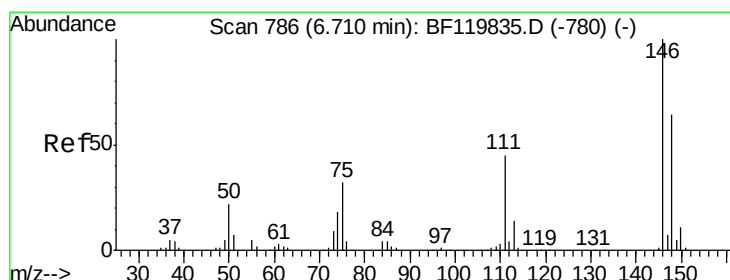
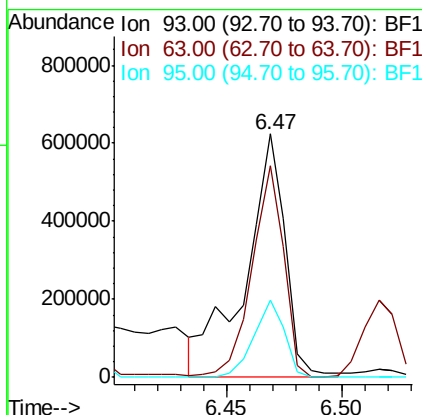
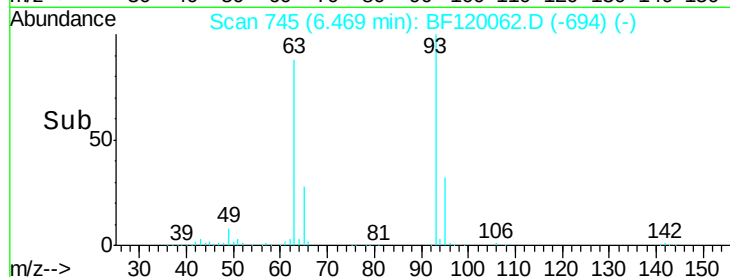
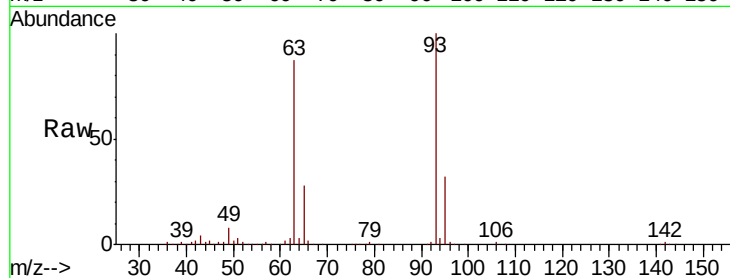
#11
bis(2-Chloroethyl)ether
Concen: 74.908 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion:	93	Resp:	754261
Ion	Ratio	Lower	Upper
93	100		
63	86.9	69.1	109.1
95	31.5	12.3	52.3

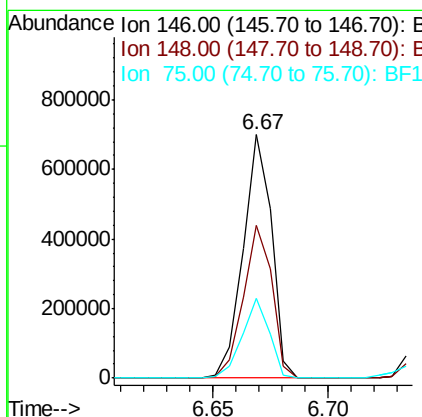
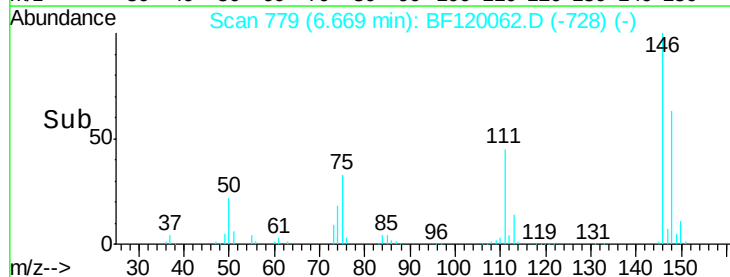
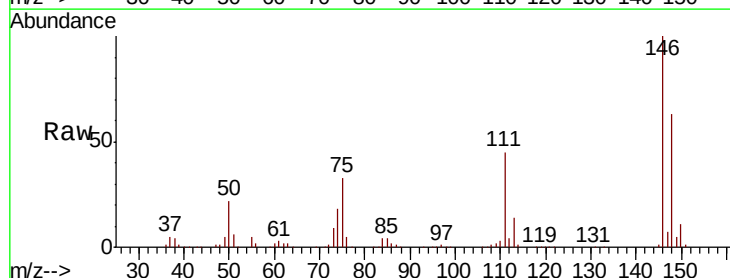
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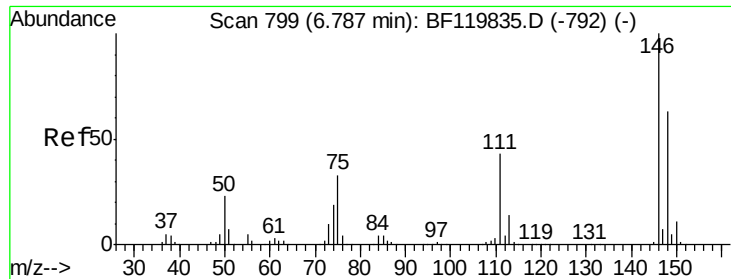
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#12
1,3-Dichlorobenzene
Concen: 55.349 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion:	146	Resp:	603999
Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.3	76.9
75	32.8	25.3	37.9





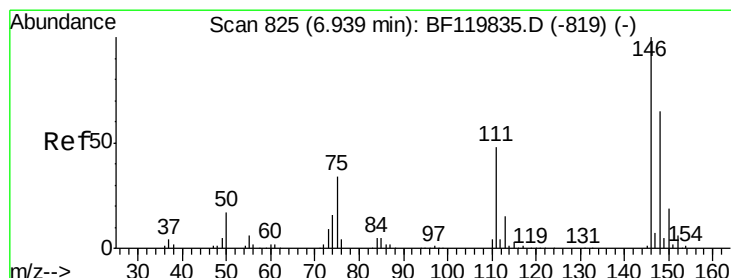
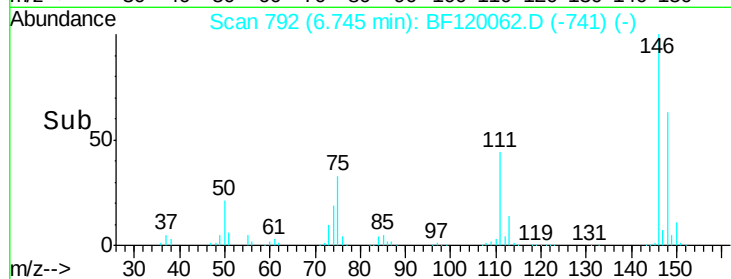
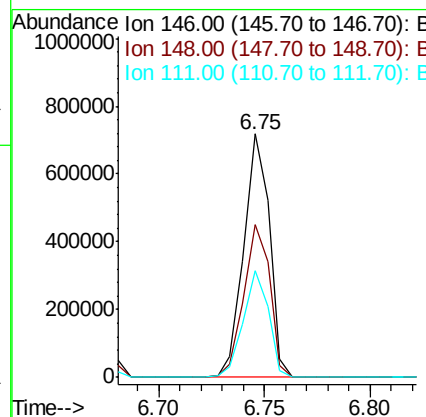
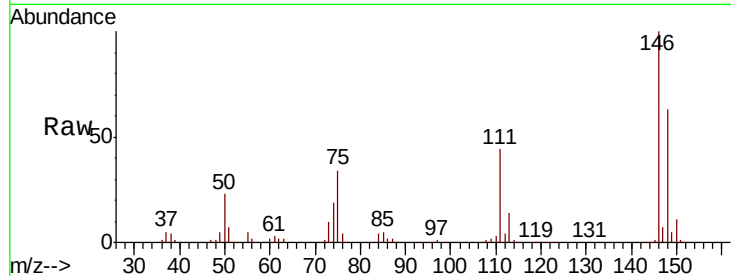
#13
 1,4-Dichlorobenzene
 Concen: 54.340 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
111	43.7	34.7	52.1

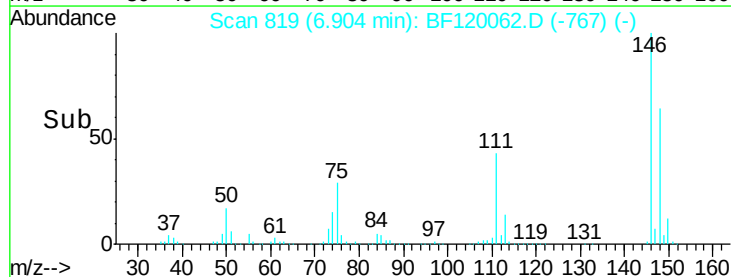
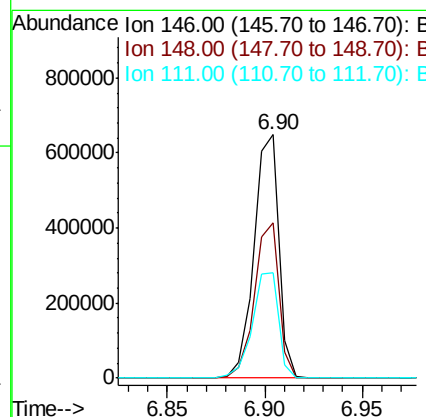
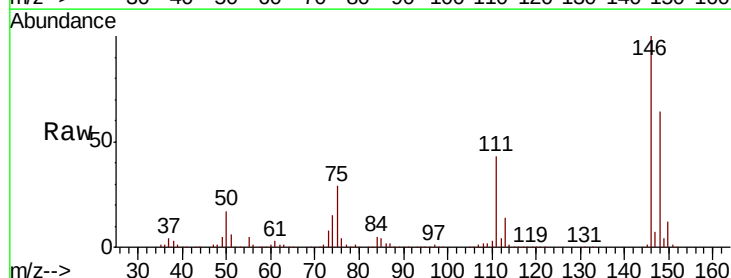
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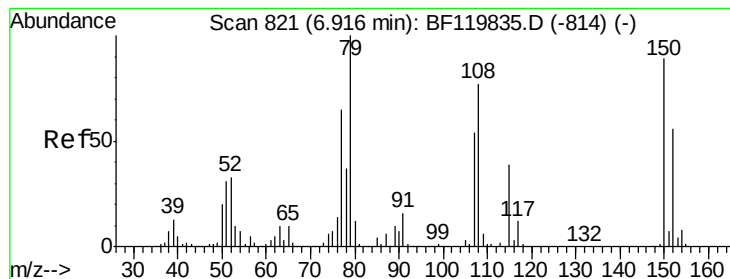
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#14
 1,2-Dichlorobenzene
 Concen: 55.707 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
111	43.2	38.0	57.0





#15

Benzyl Alcohol

Concen: 55.204 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampled :

BG-4MSD

Tot Ion: 79 Resp: 492873

Ion Ratio Lower Upper

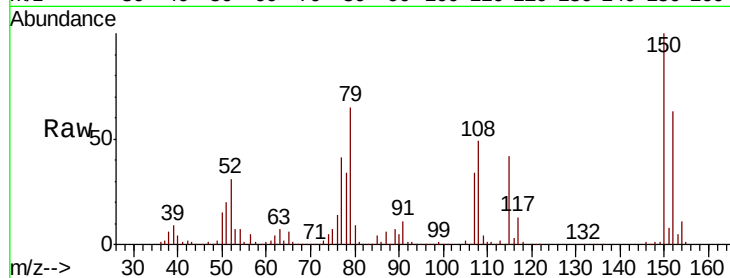
79 100

108 76.4 62.0 93.0

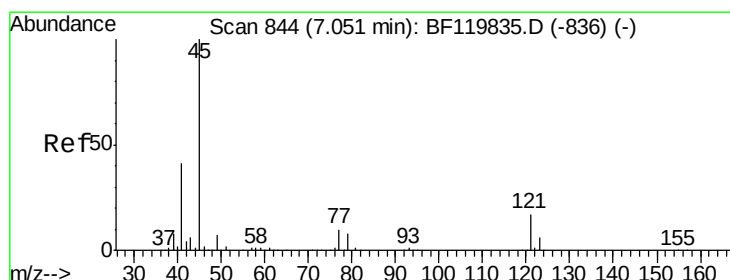
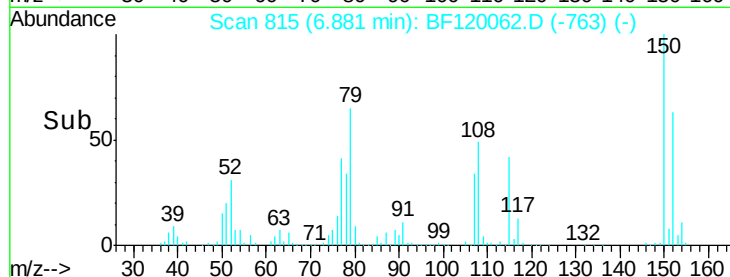
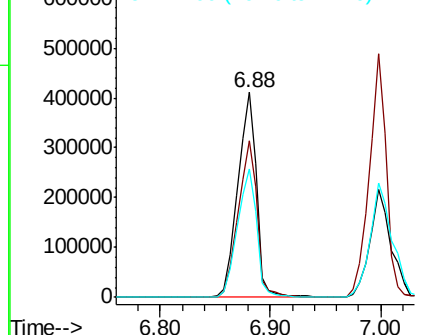
77 62.9 51.8 77.6

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 50.464 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

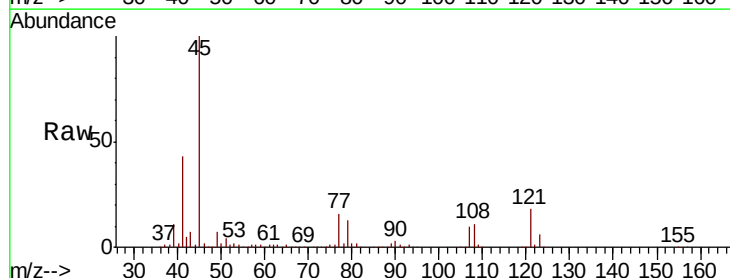
Tgt Ion: 45 Resp: 988788

Ion Ratio Lower Upper

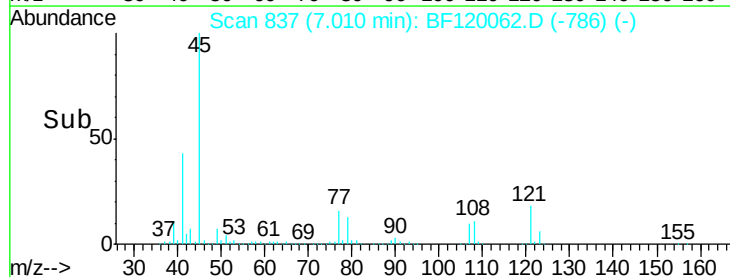
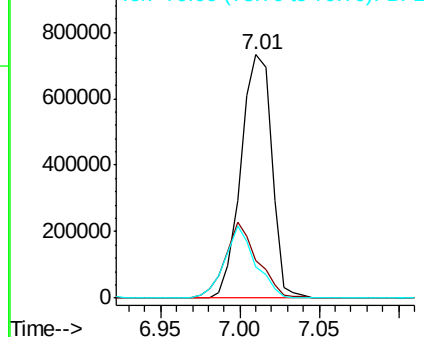
45 100

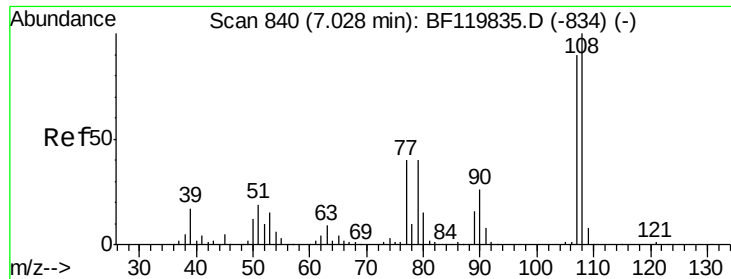
77 15.5 0.0 30.7

79 12.9 0.0 28.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





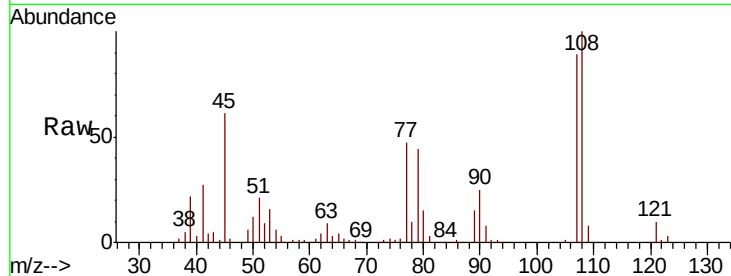
#17
2-Methylphenol
Concen: 52.916 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

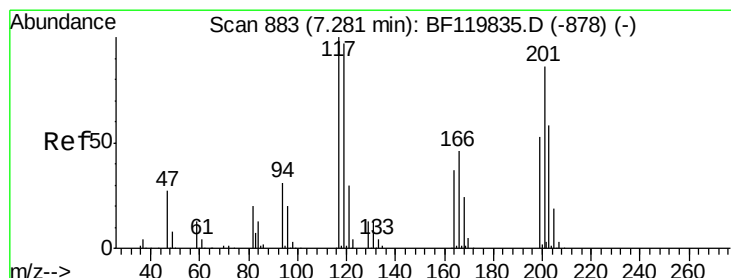
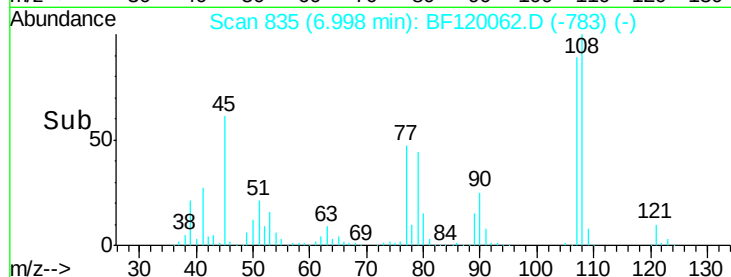
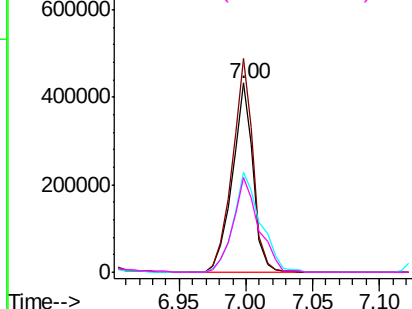
Tot Ion	107	Resp	470702
Ion Ratio	Lower	Upper	
107	100		
108	112.9	88.8	133.2
77	52.8	36.0	54.0
79	50.2	35.7	53.5

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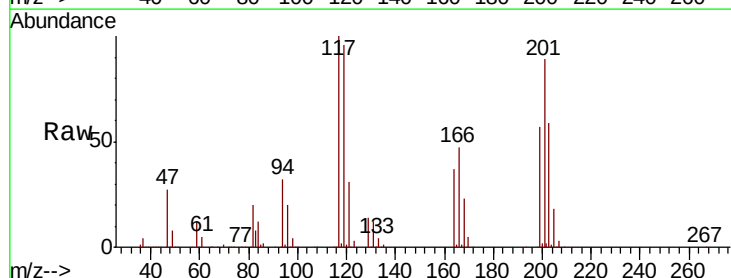


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

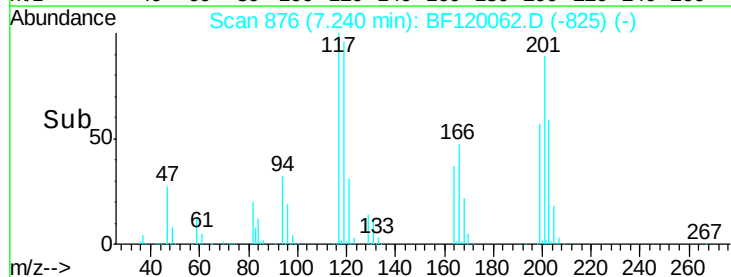
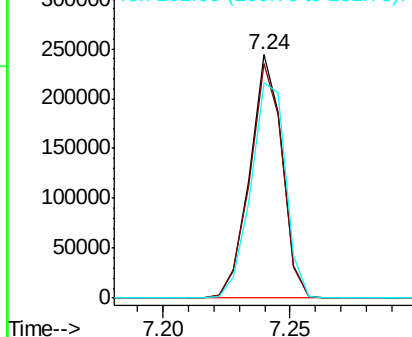


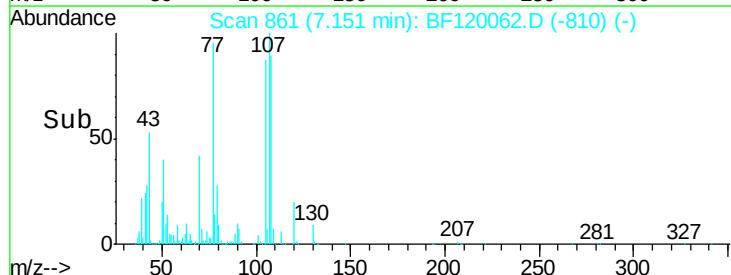
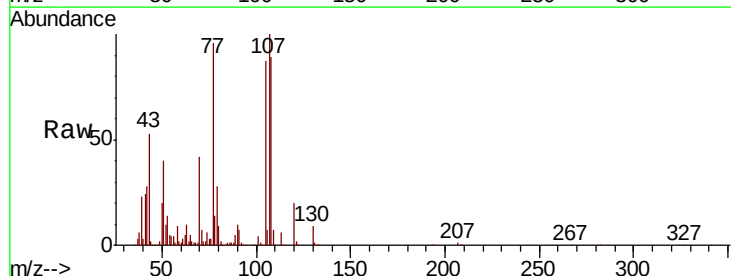
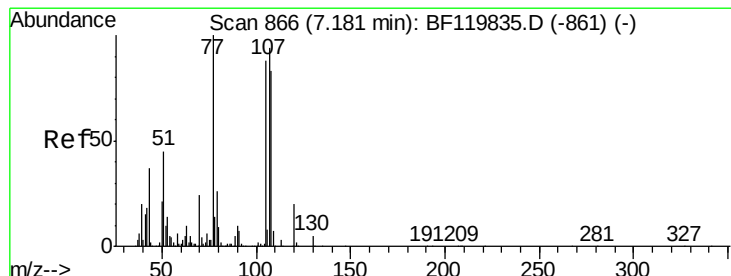
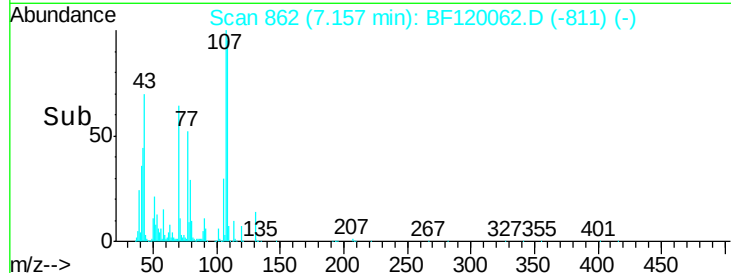
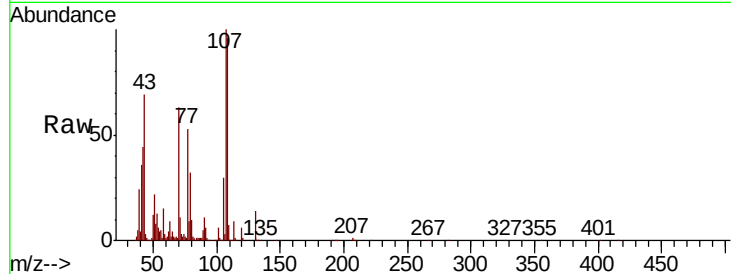
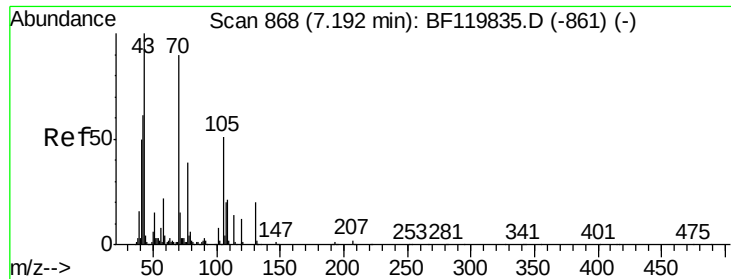
#18
Hexachloroethane
Concen: 52.067 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	117	Resp	216303
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.4	116.0
201	88.7	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: 55.243 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion: 70 Resp: 408349

Ion Ratio Lower Upper

70 100

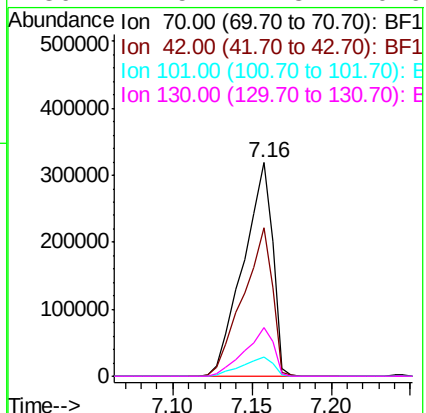
42 69.5 54.2 81.4

101 9.0 7.4 11.2

130 22.5 17.8 26.6

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#20

3+4-Methylphenols

Concen: 53.562 ng

RT: 7.15 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tgt Ion: 107 Resp: 582704

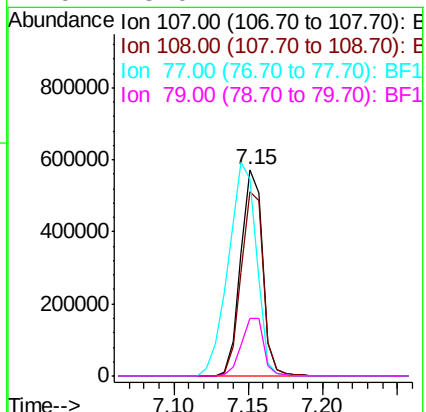
Ion Ratio Lower Upper

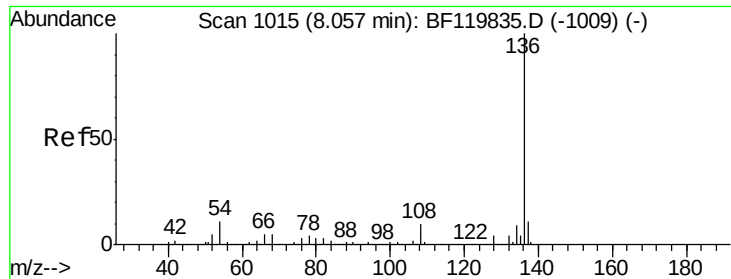
107 100

108 89.5 68.2 108.2

77 95.6 86.6 126.6

79 28.0 7.7 47.7





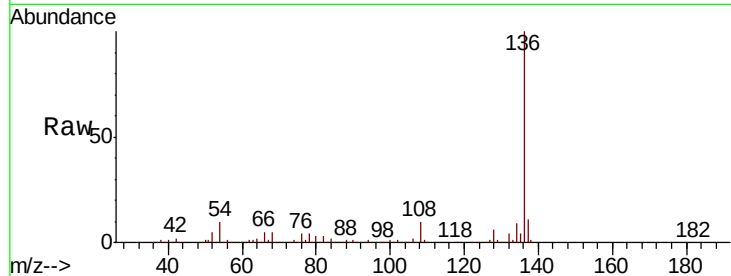
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		613978		
137	10.8	8.7	13.1		
54	10.2	8.5	12.7		
68	5.2	3.9	5.9		

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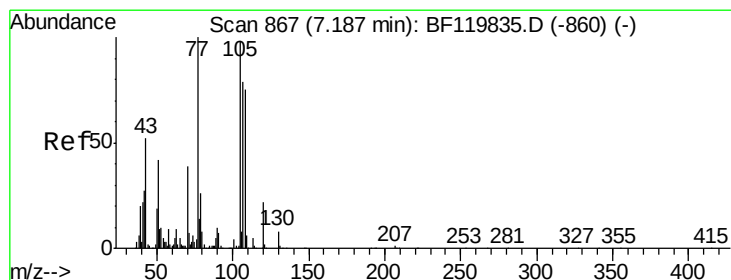
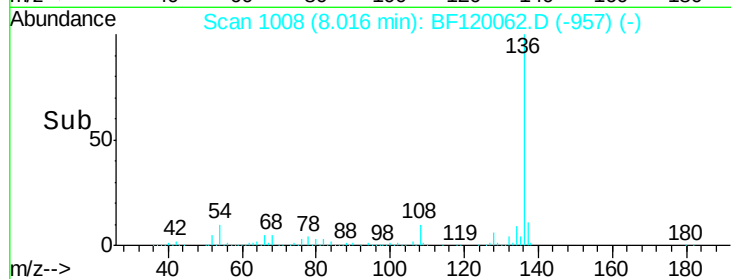
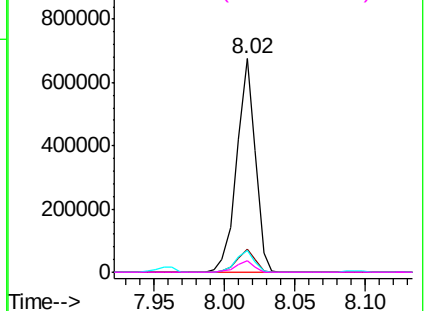
Abundance

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: 54.721 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		786746		
71	4.5	5.6	8.4#		
51	39.9	33.9	50.9		
120	22.5	17.8	26.8		

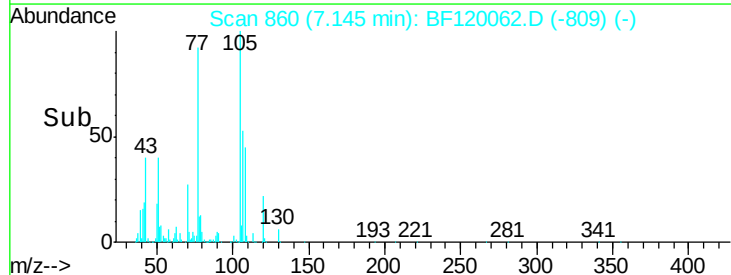
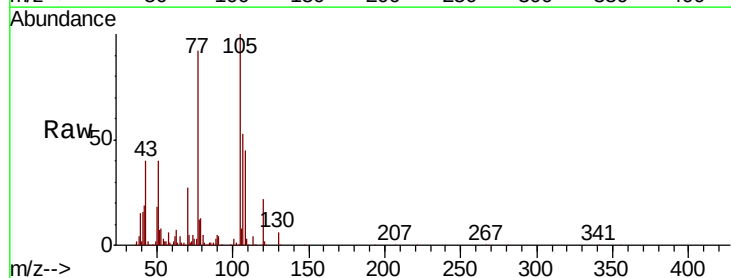
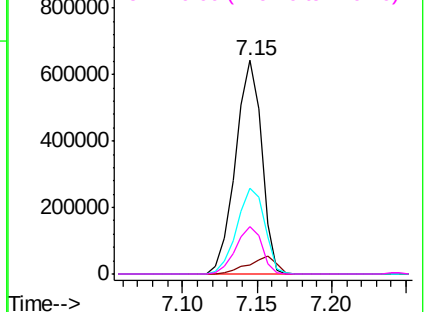
Abundance

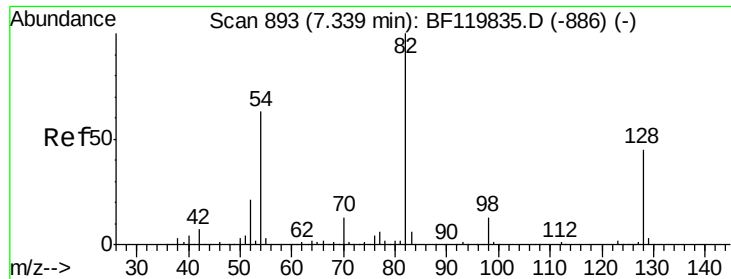
Ion 105.00 (104.70 to 105.70): E

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





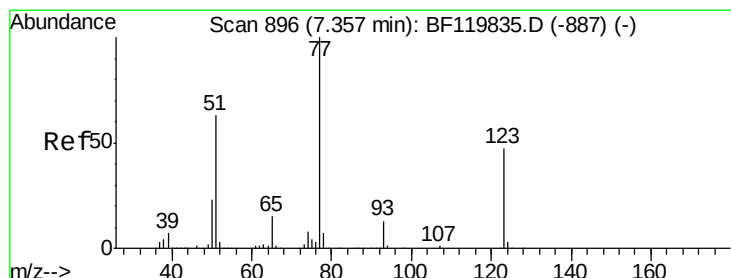
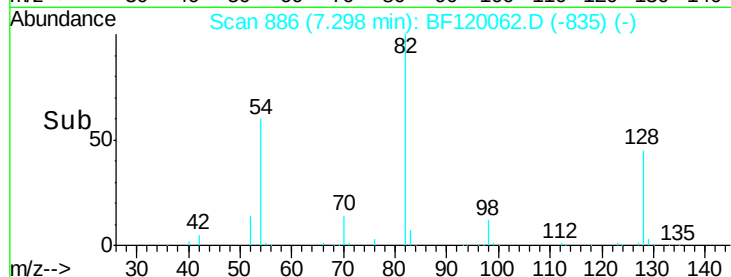
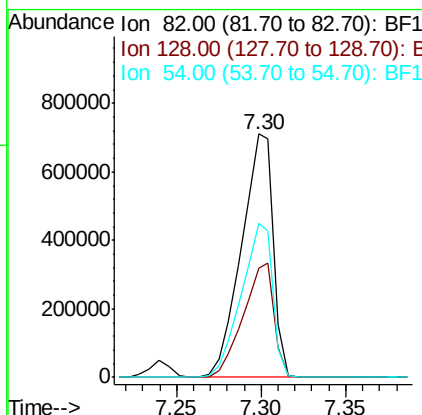
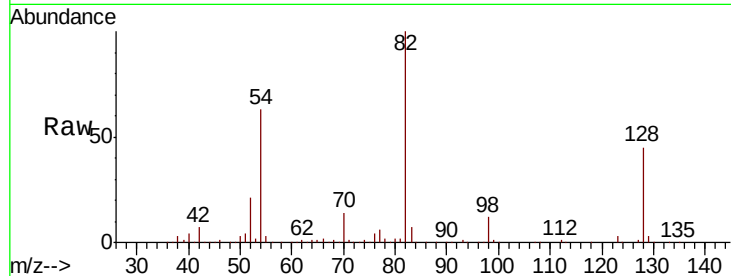
#23
Nitrobenzene-d5
Concen: 78.443 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.2	54.4
54	63.4	50.4	75.6

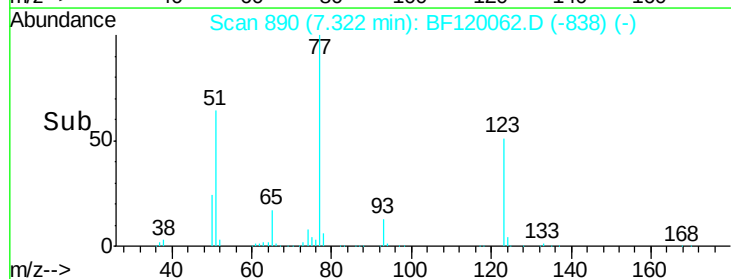
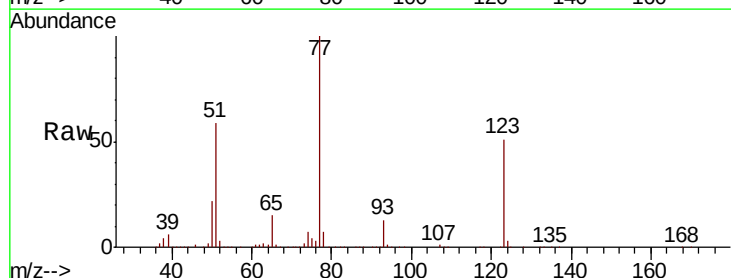
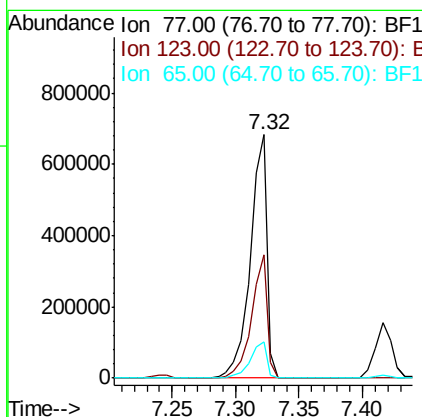
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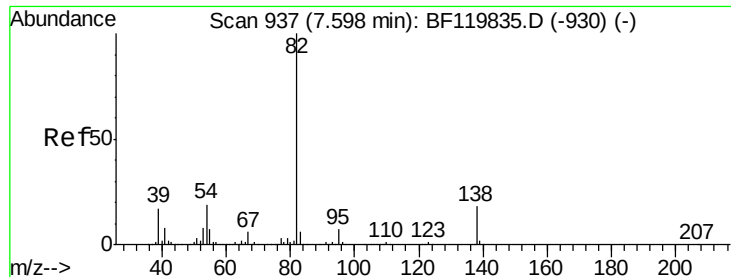
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#24
Nitrobenzene
Concen: 52.211 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.7	37.8	56.8
65	15.0	12.2	18.2





#25

Isophorone

Concen: 51.623 ng

RT: 7.56 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion: 82 Resp: 1181030

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

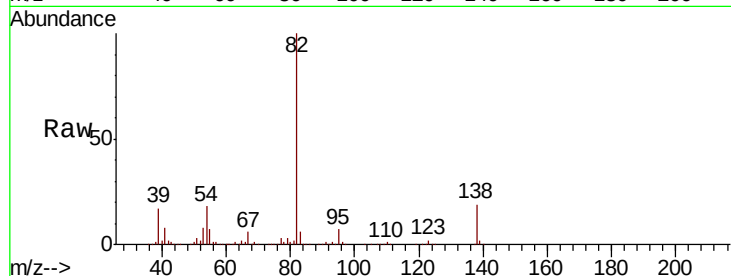
138 19.2 14.5 21.7

Manual Integrations

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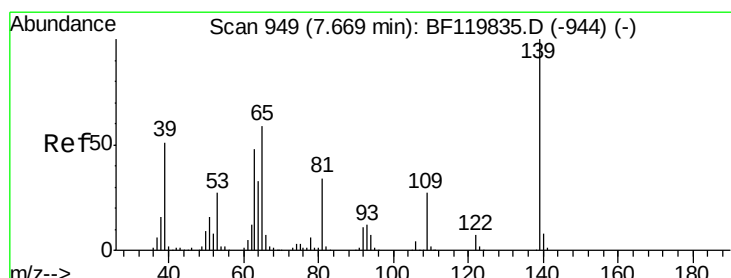
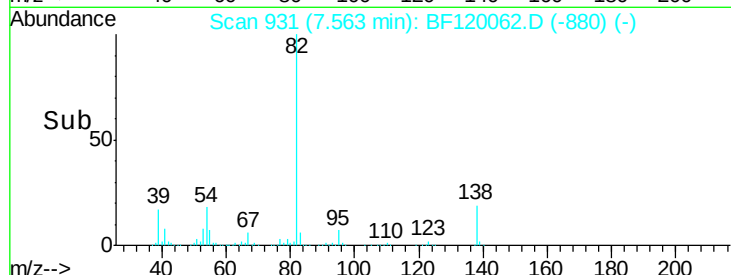
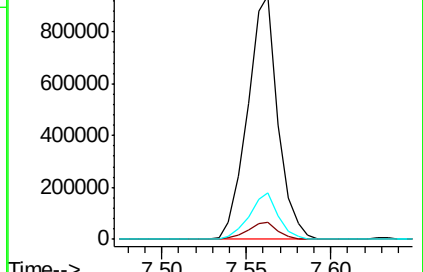
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 55.798 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

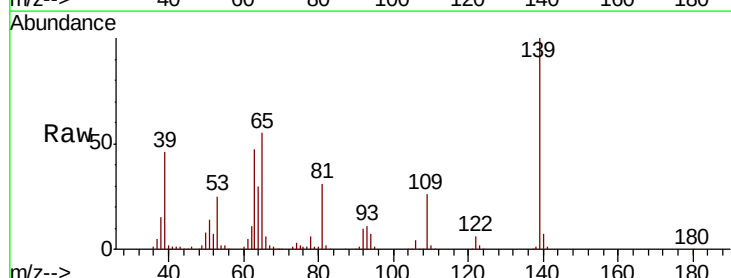
Tgt Ion: 139 Resp: 332818

Ion Ratio Lower Upper

139 100

109 25.7 21.8 32.6

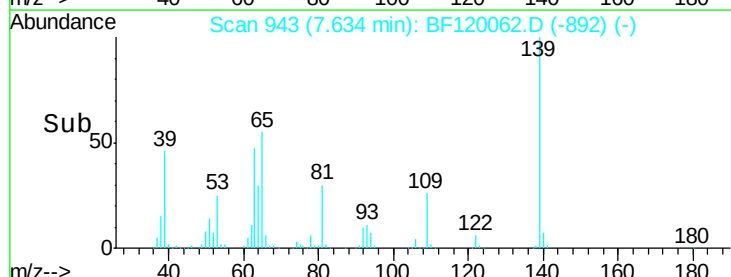
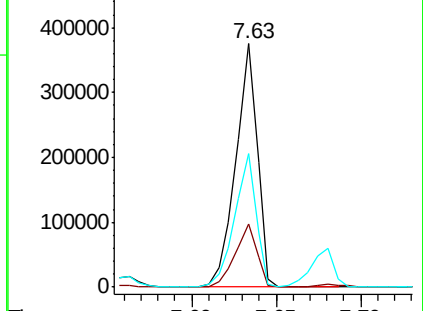
65 54.7 47.0 70.4

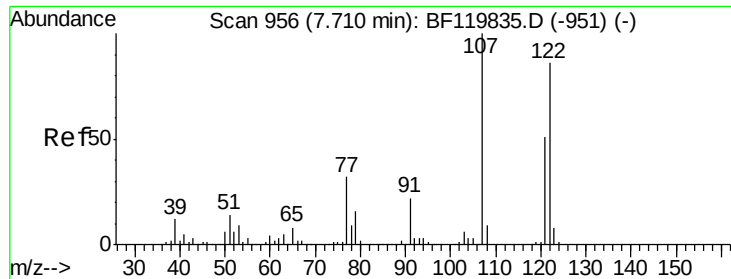


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





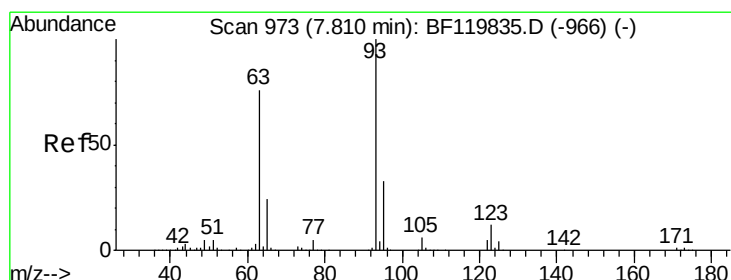
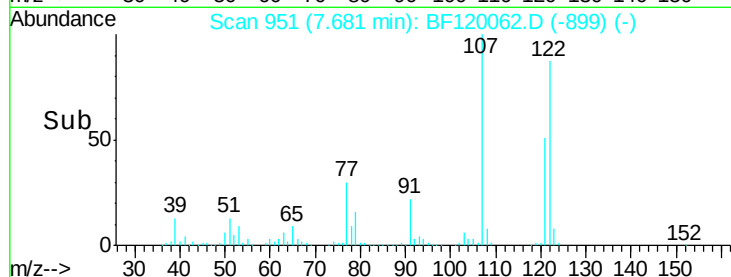
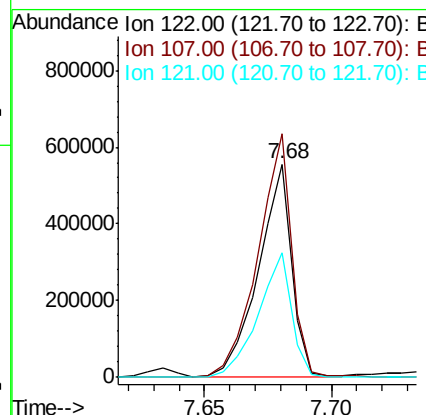
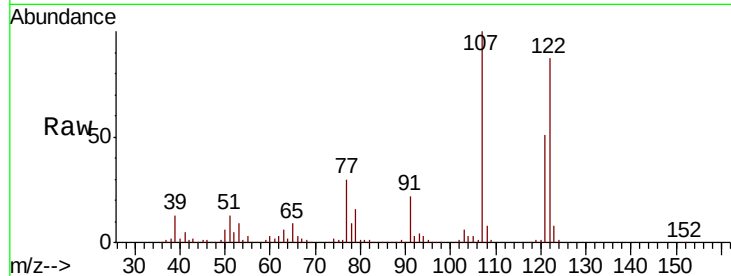
#27
 2,4-Dimethylphenol
 Concen: 56.975 ng
 RT: 7.68 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.4	92.3	138.5
121	58.5	46.6	70.0

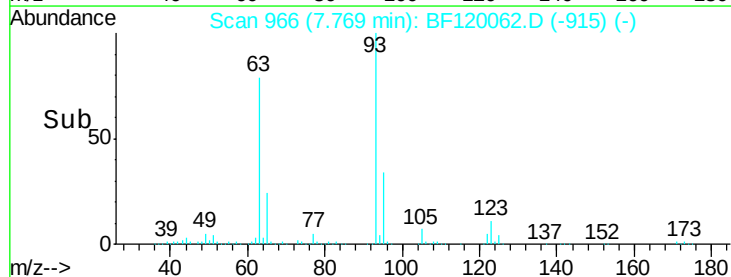
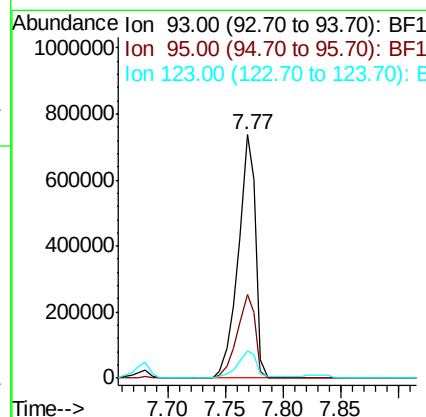
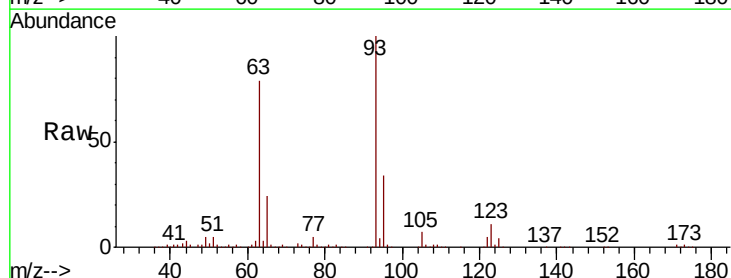
Manual Integrations
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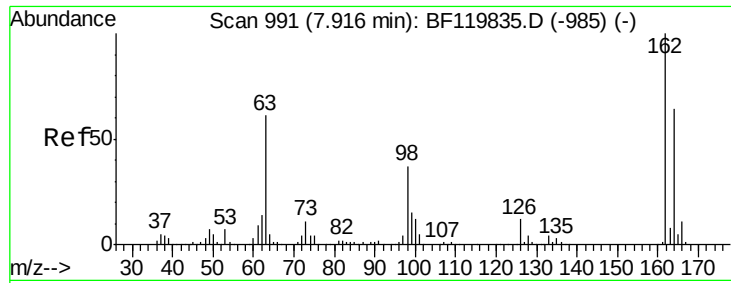
mohammad
 4/21/2020 8:22:36 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 56.748 ng
 RT: 7.77 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.5	26.4	39.6
123	11.3	9.7	14.5





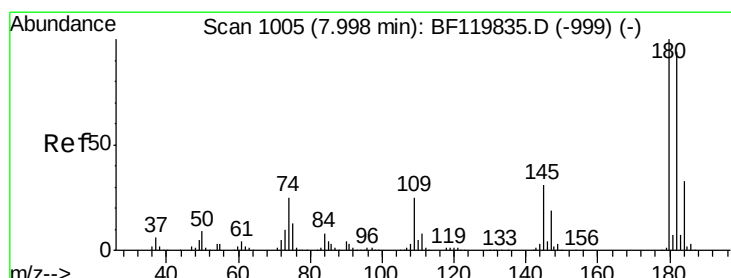
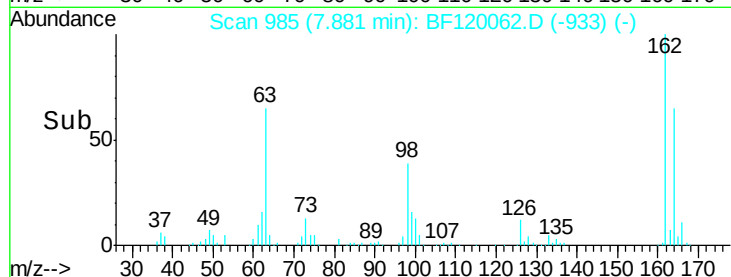
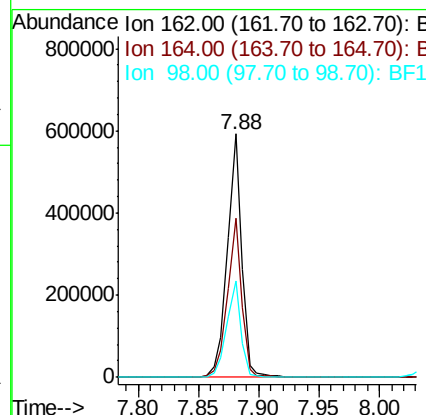
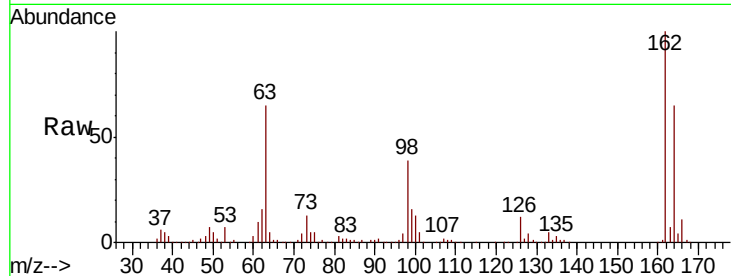
#29
 2,4-Dichlorophenol
 Concen: 53.012 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		488821		
164	65.2	44.4	84.4		
98	39.4	17.3	57.3		

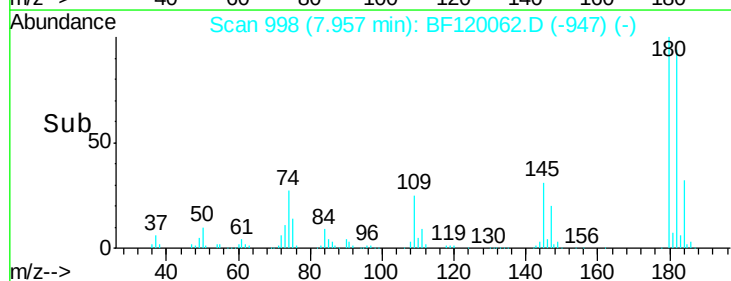
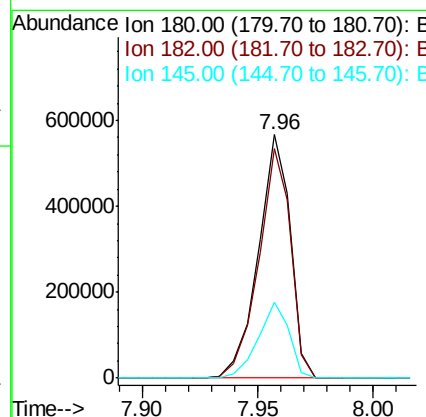
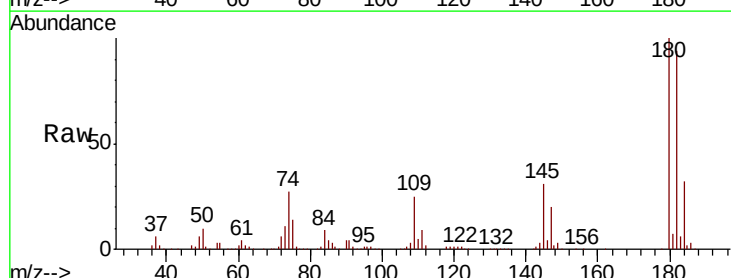
Manual Integrations
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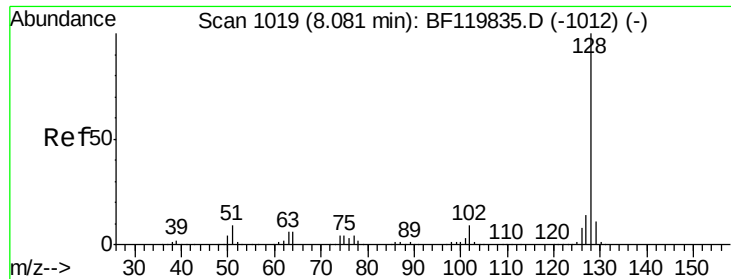
mohammad
 4/21/2020 8:22:36 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 52.419 ng
 RT: 7.96 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		547678		
182	94.0	75.4	113.0		
145	31.1	24.6	37.0		





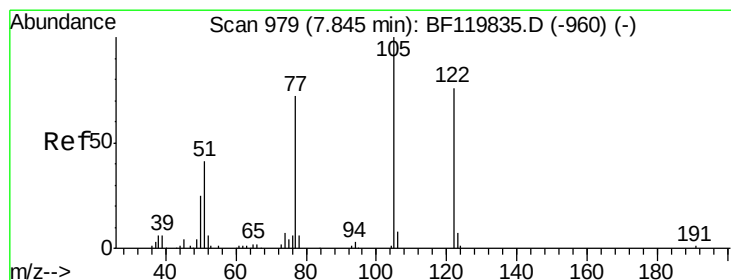
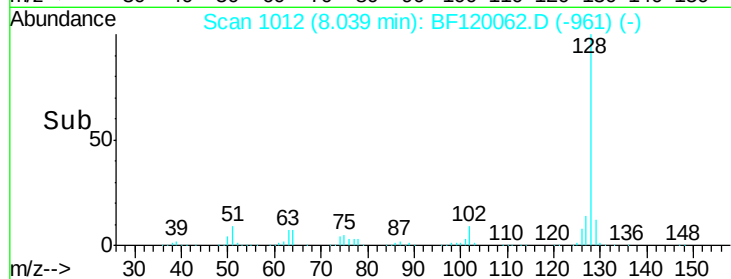
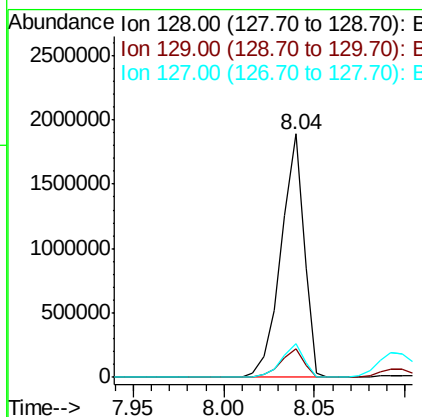
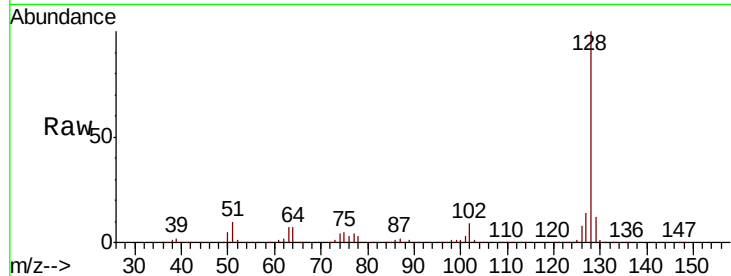
#31
Naphthalene
Concen: 51.879 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion:128 Resp: 1675864
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.7 11.0 16.4

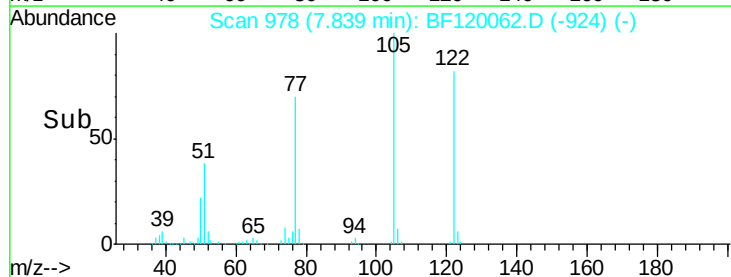
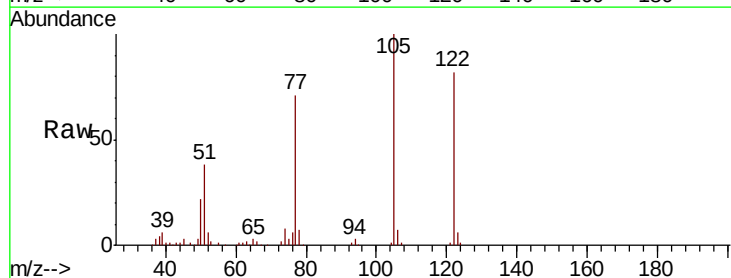
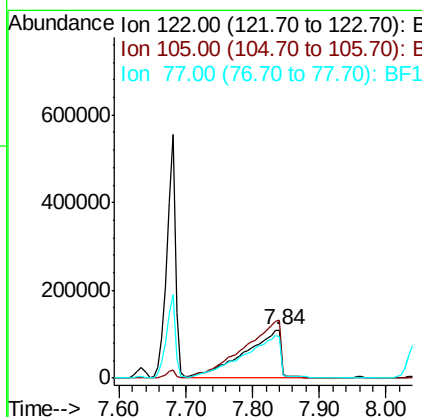
Manual Integrations
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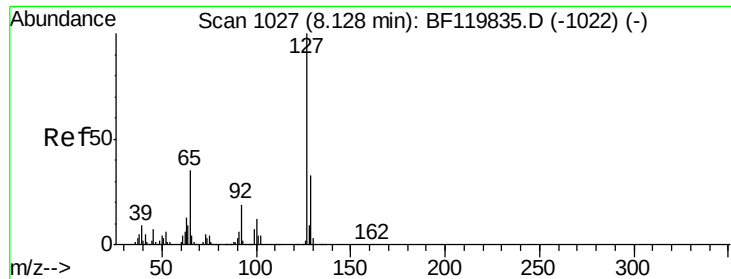
mohammad
4/21/2020 8:22:36 AM



#32
Benzoic acid
Concen: 52.684 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.02 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion:122 Resp: 416230
Ion Ratio Lower Upper
122 100
105 121.4 106.7 146.7
77 86.2 72.1 112.1





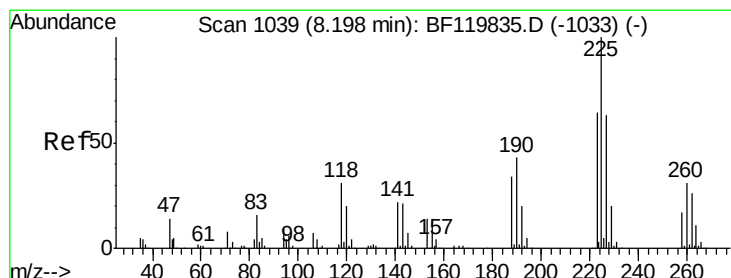
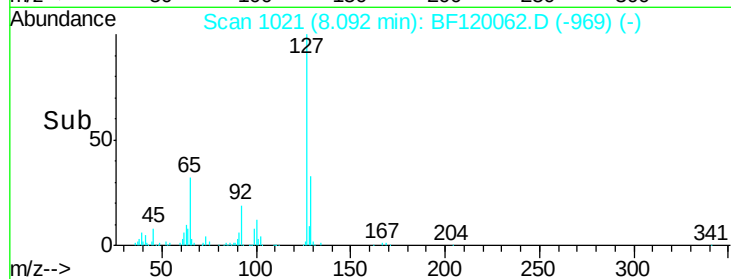
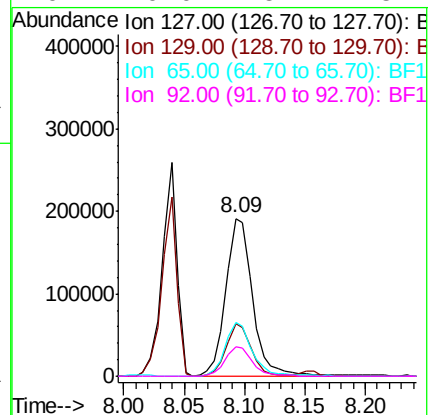
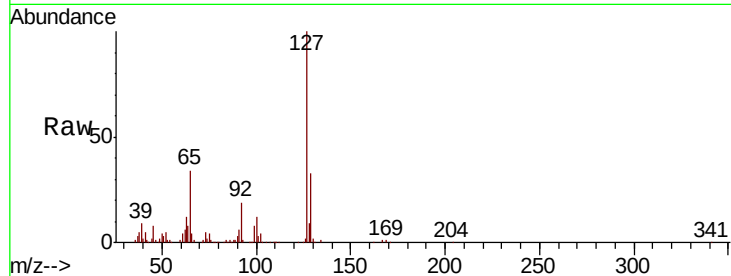
#33
4-Chloroaniline
Concen: 20.761 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	291955		
129	33.0	26.2	39.2	
65	33.9	28.3	42.5	
92	19.0	15.4	23.2	

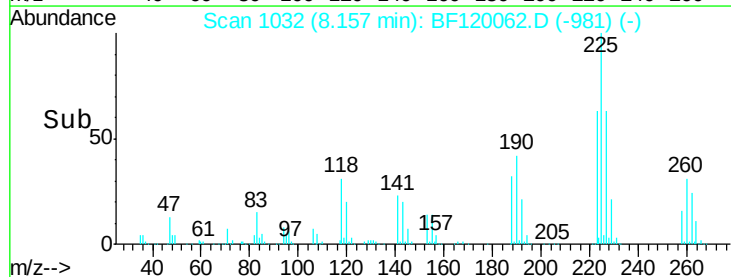
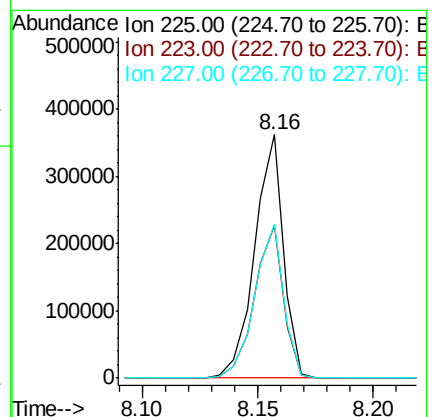
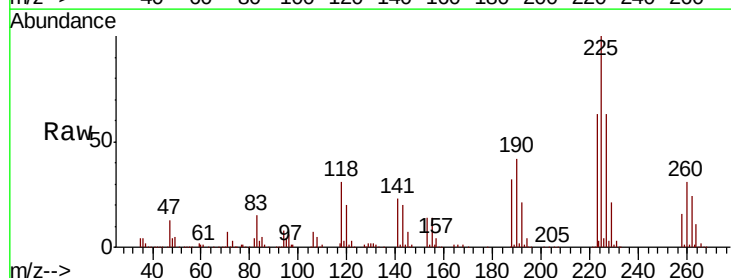
Manual Integrations
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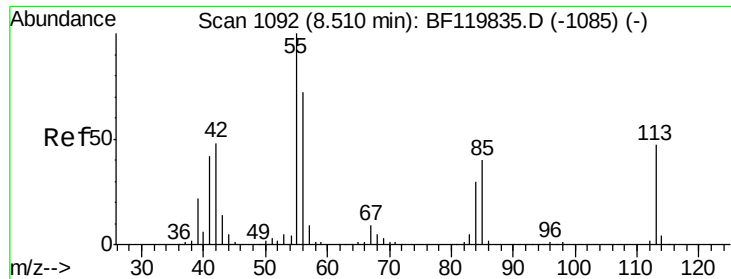
mohammad
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#34
Hexachlorobutadiene
Concen: 50.349 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314897		
223	62.7	51.0	76.6	
227	63.3	50.4	75.6	





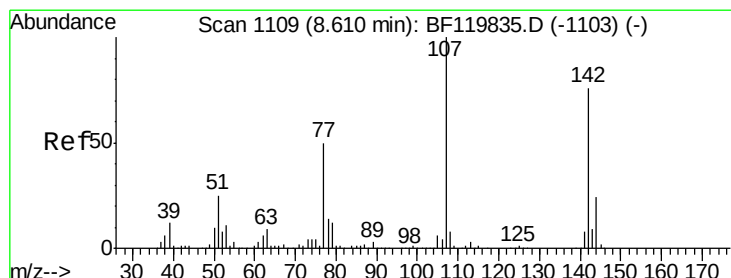
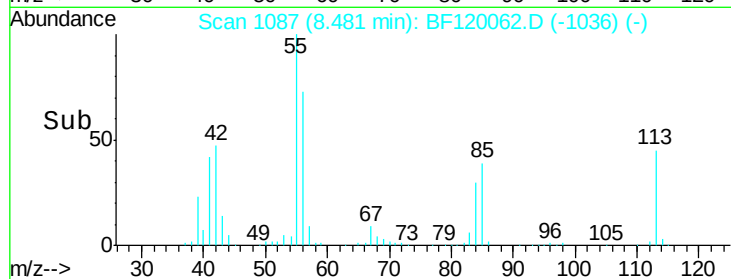
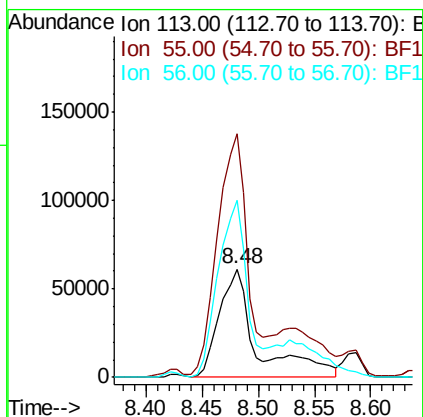
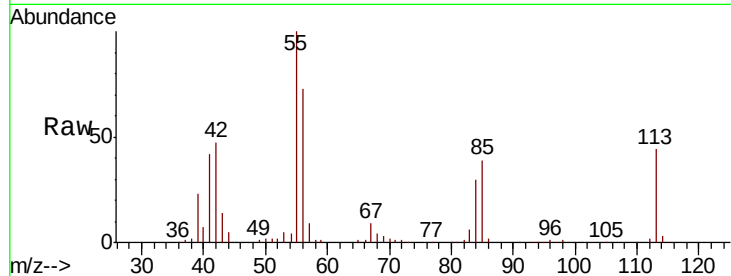
#35
Caprolactam
Concen: 50.967 ng/ml
RT: 8.48 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleID :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	224.9	192.7	232.7
56	163.7	133.3	173.3

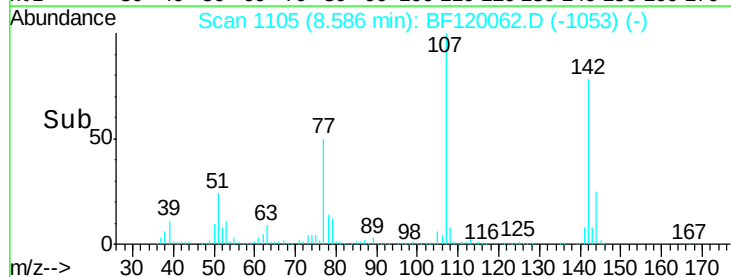
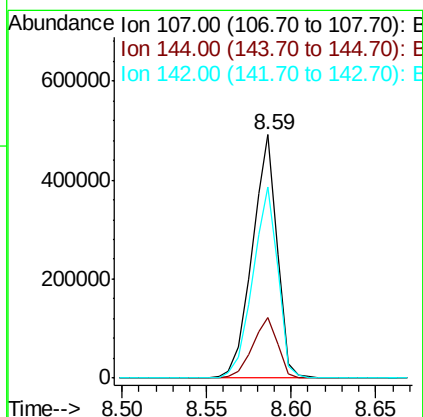
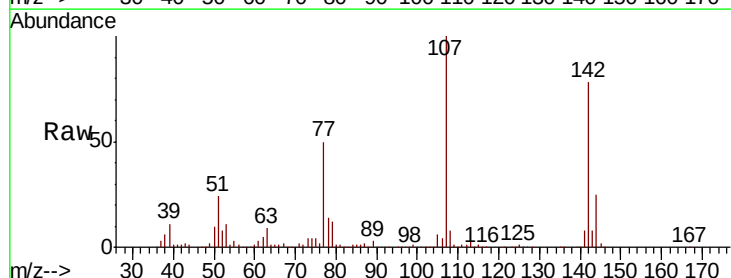
Manual Integrations
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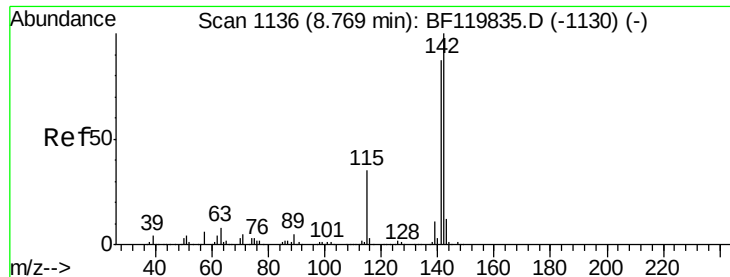
mohammad
4/21/2020 8:22:36 AM



#36
4-Chloro-3-methylphenol
Concen: 50.660 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.5	29.3
142	78.3	60.5	90.7





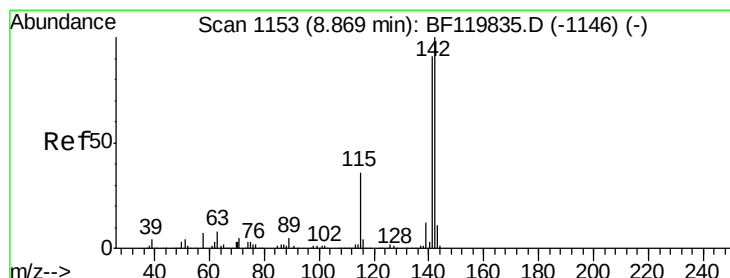
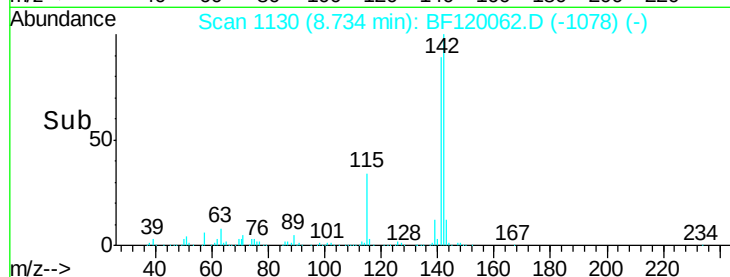
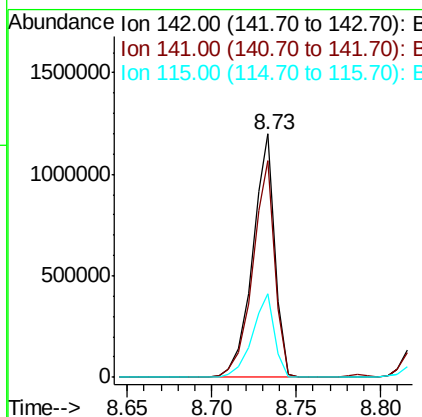
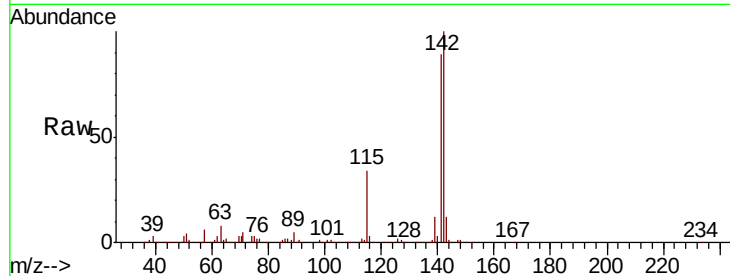
#37
2-Methylnaphthalene
Concen: 50.218 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.9	104.9
115	34.4	28.0	42.0

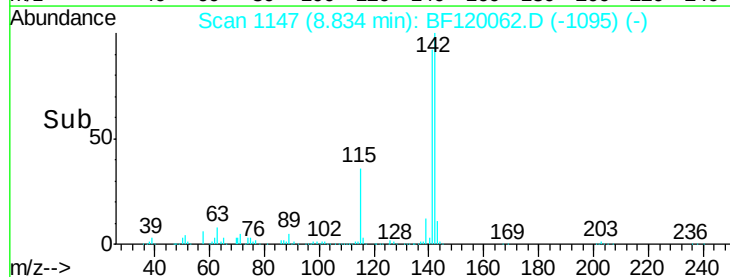
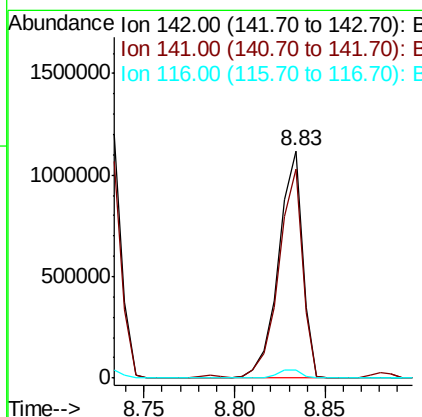
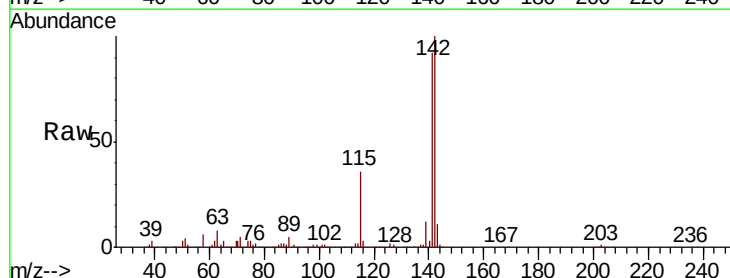
Manual Integrations
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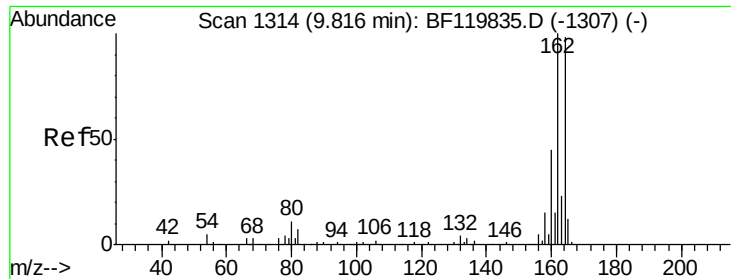
mohammad
4/21/2020 8:22:36 AM



#38
1-Methylnaphthalene
Concen: 50.056 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.9	109.3
116	3.5	3.0	4.6





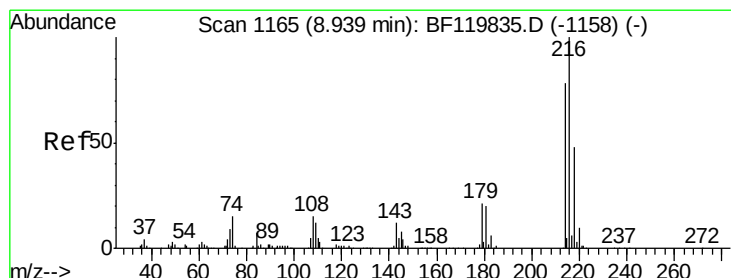
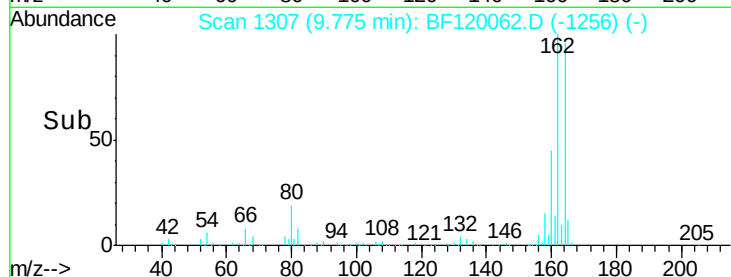
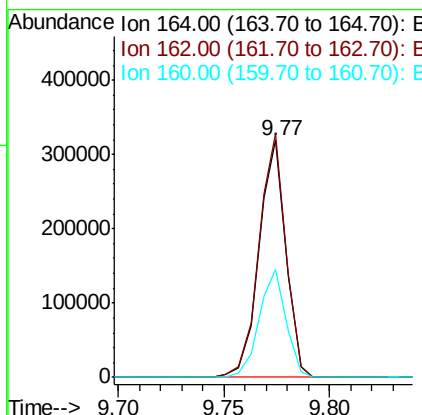
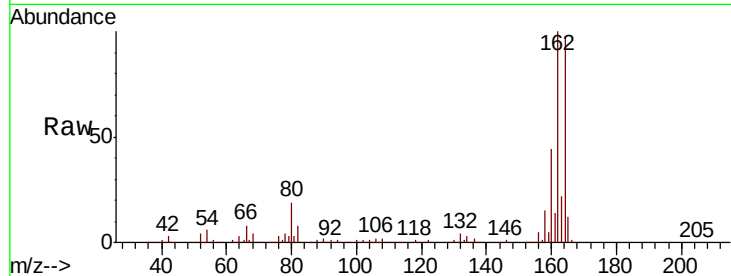
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	81.9	122.9	
160	45.8	36.6	54.8	

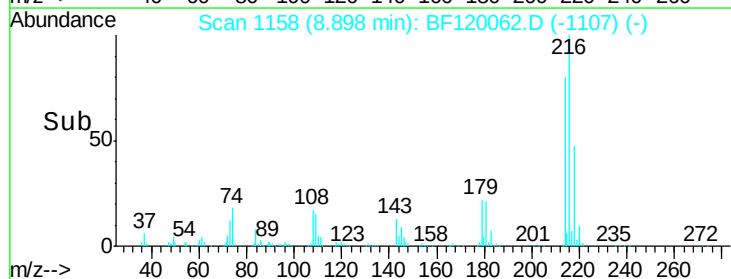
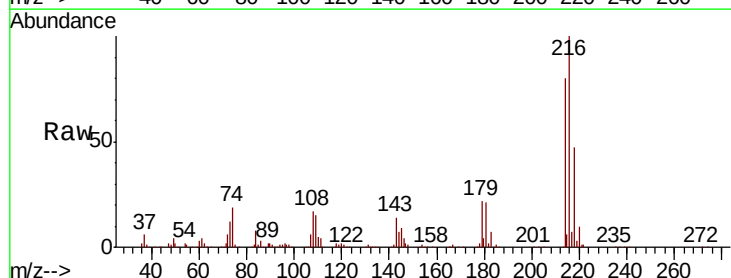
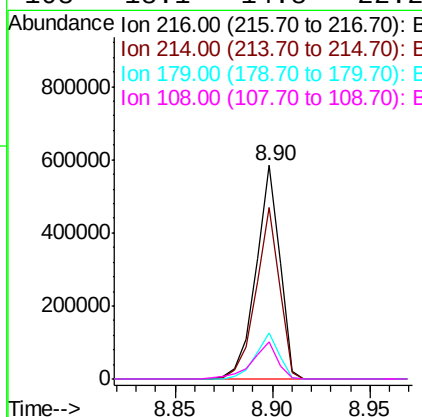
Manual Integrations
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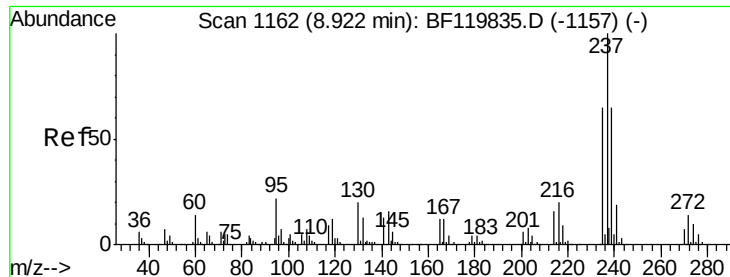
mohammad
 4/21/2020 8:22:36 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 55.357 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.4	63.1	94.7	
179	21.3	17.0	25.4	
108	18.1	14.8	22.2	





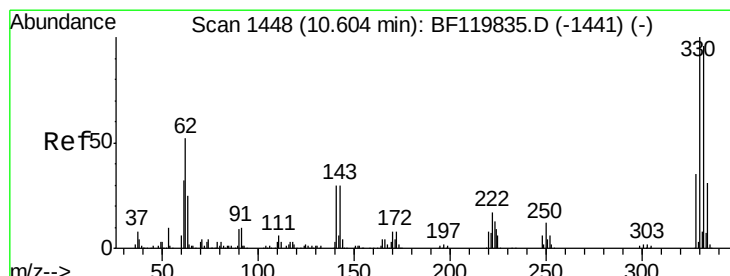
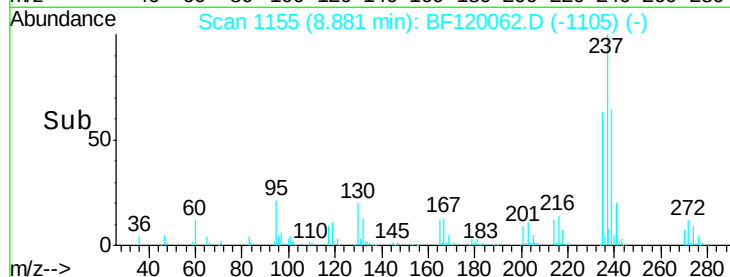
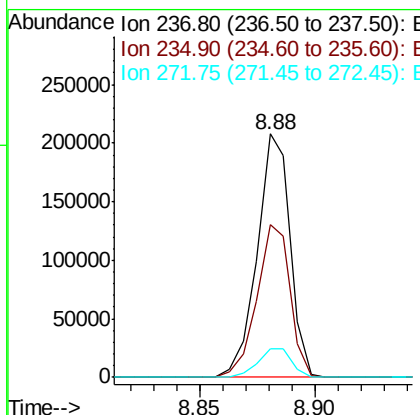
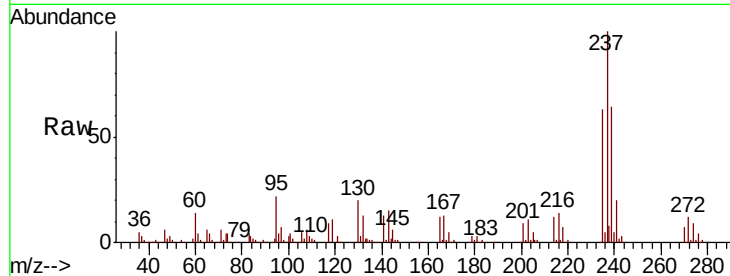
#41
Hexachlorocyclopentadiene
Concen: 40.914 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion:	237	Resp:	206753
Ion Ratio	Lower	Upper	
237	100		
235	63.0	44.9	84.9
272	11.8	0.0	33.6

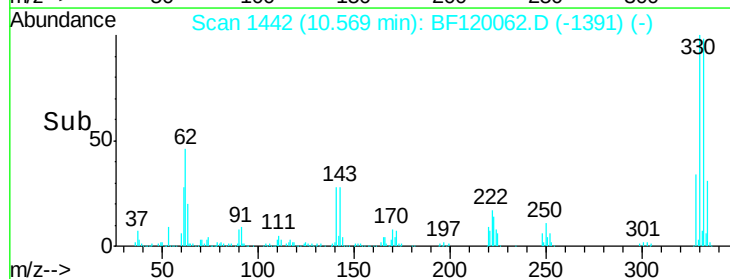
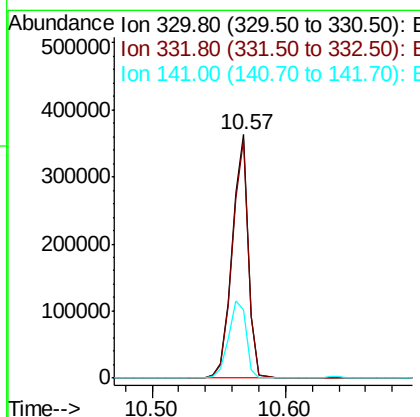
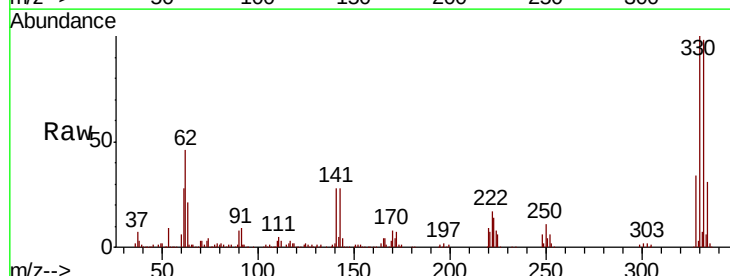
Manual Integrations
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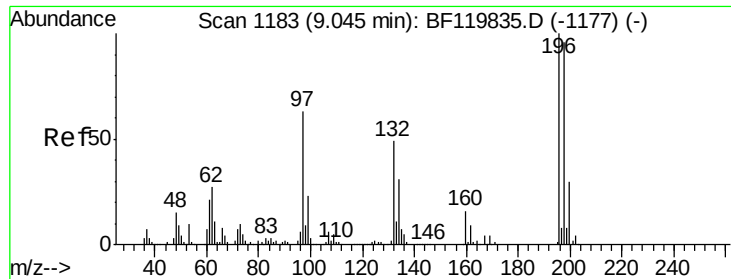
mohammad
4/21/2020 8:22:36 AM



#42
2,4,6-Tribromophenol
Concen: 90.346 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion:	330	Resp:	311234
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.8	115.2
141	34.7	25.1	37.7





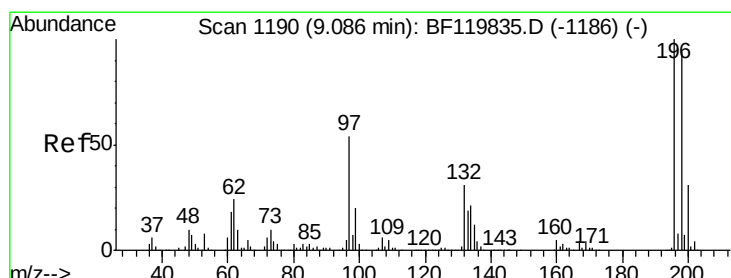
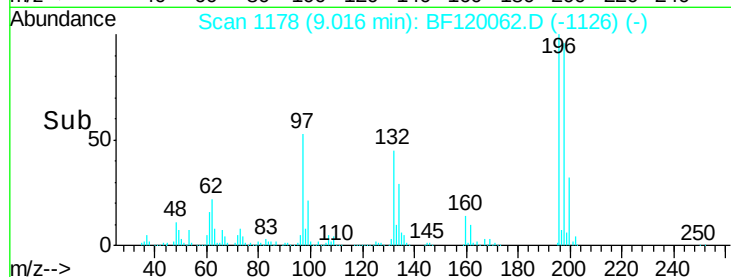
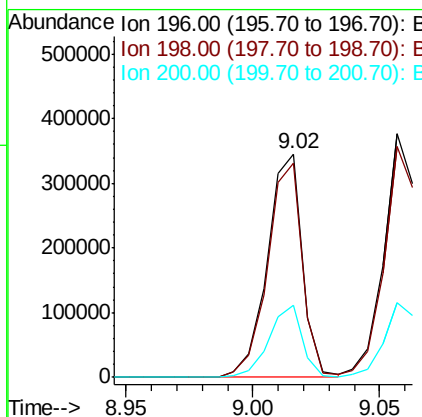
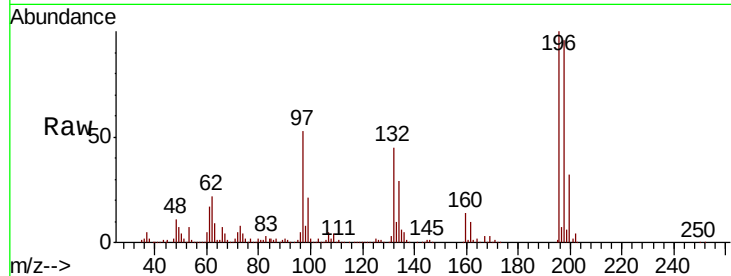
#43
 2,4,6-Trichlorophenol
 Concen: 54.512 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleID :
 BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	334524		
198	96.0	76.6	115.0	
200	32.3	24.2	36.2	

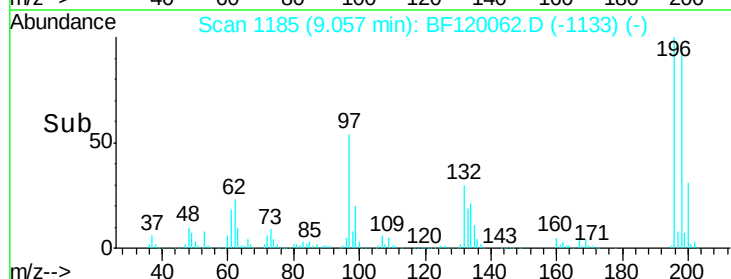
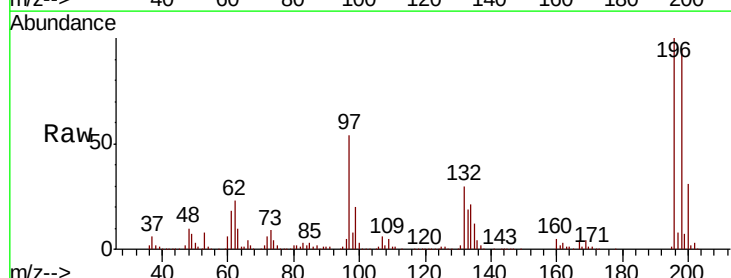
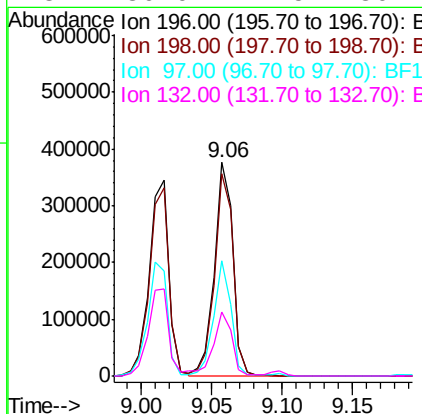
Manual Integrations
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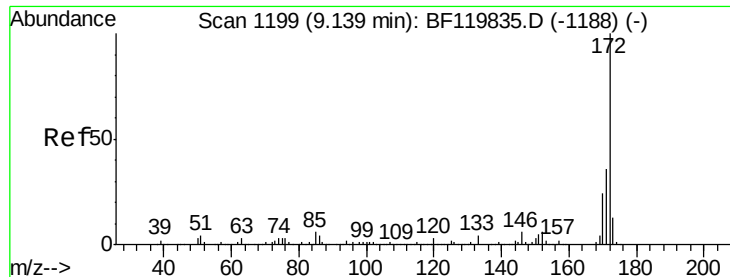
mohammad
 4/21/2020 8:22:36 AM



#44
 2,4,5-Trichlorophenol
 Concen: 49.819 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	344339		
198	94.8	75.1	112.7	
97	53.9	43.4	65.2	
132	30.0	24.5	36.7	





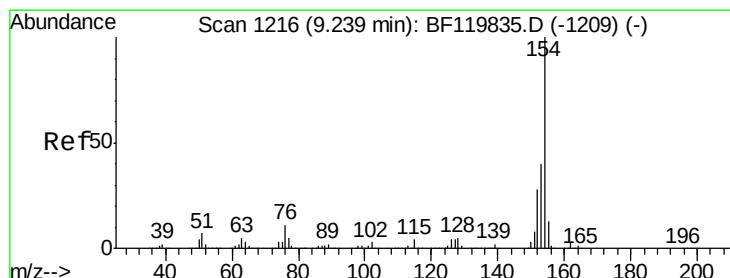
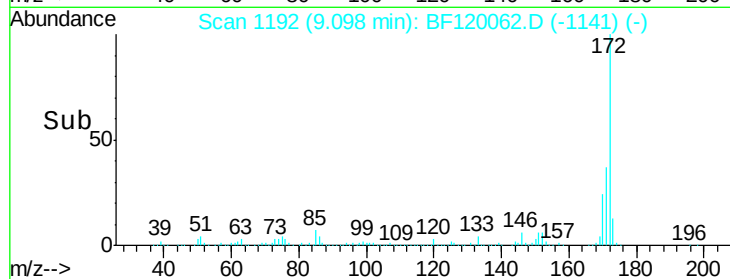
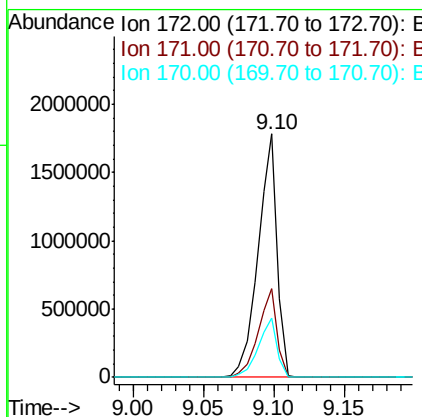
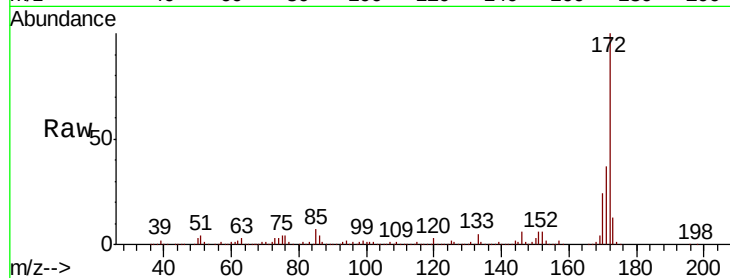
#45
2-Fluorobiphenyl
Concen: 85.438 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.3	19.4	29.2

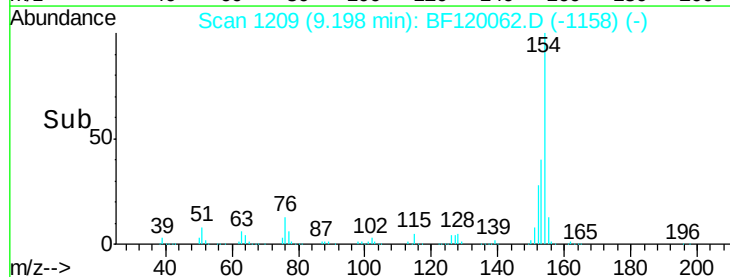
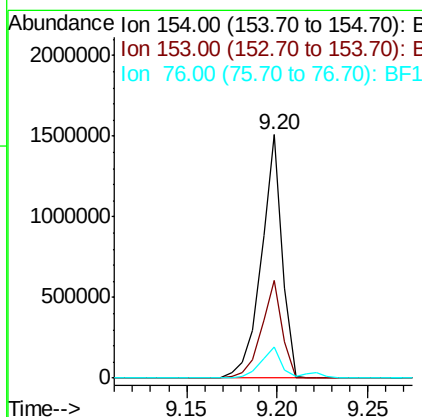
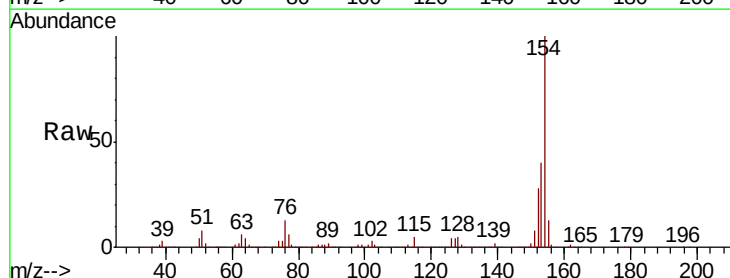
Manual Integrations
APPROVED

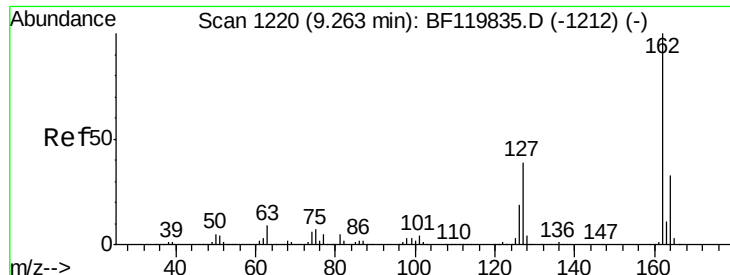
mohammad
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#46
1,1'-Biphenyl
Concen: 50.484 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.5	60.5
76	12.8	0.0	30.6





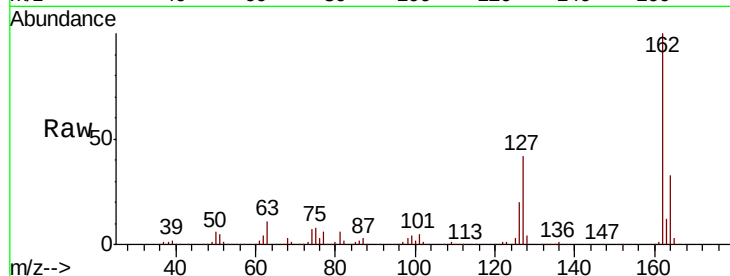
#47
2-Chloronaphthalene
Concen: 53.110 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

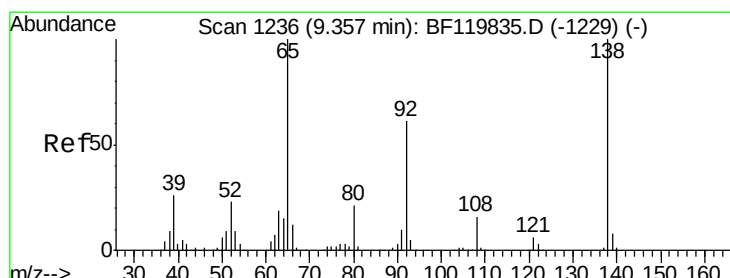
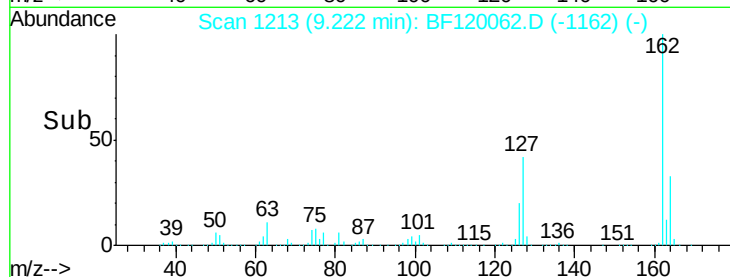
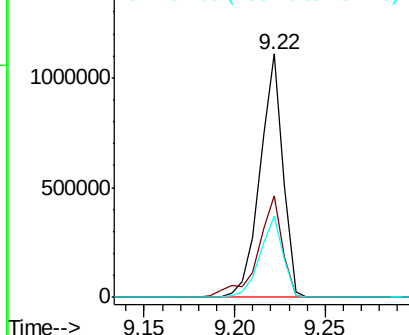
Tot Ion	Ratio	Resp	Lower	Upper
162	100	971654		
127	41.9	31.2	46.8	
164	33.1	26.3	39.5	

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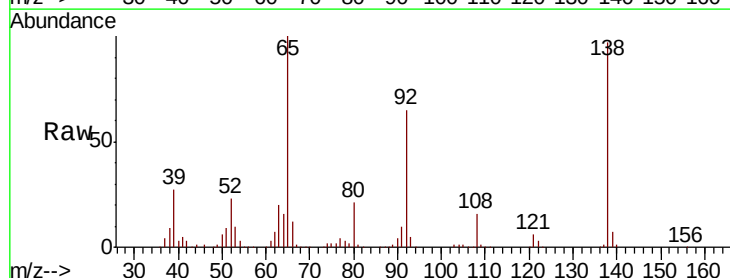


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

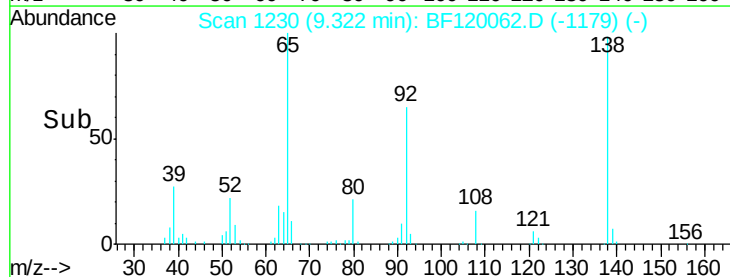
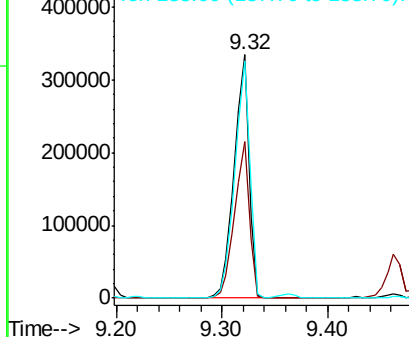


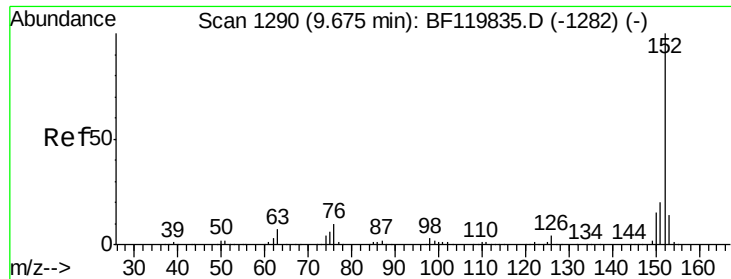
#48
2-Nitroaniline
Concen: 49.216 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	326294		
92	64.5	49.0	73.6	
138	97.4	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: 54.280 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion:152 Resp: 1510243

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

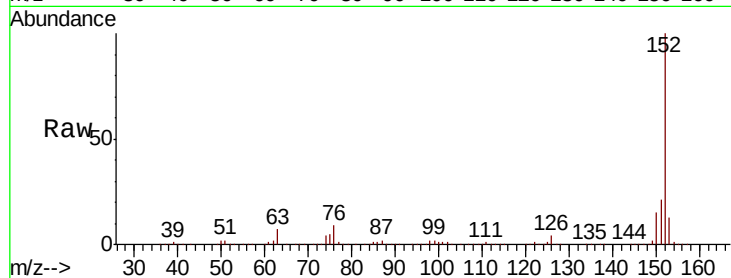
153 13.3 10.9 16.3

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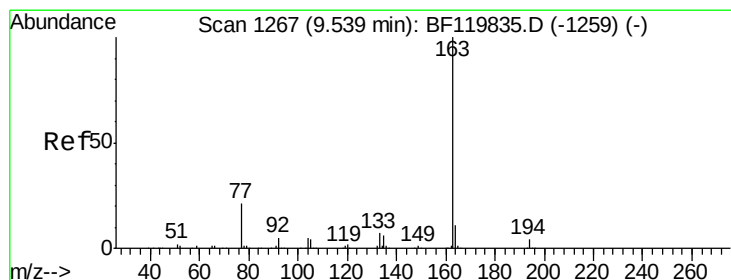
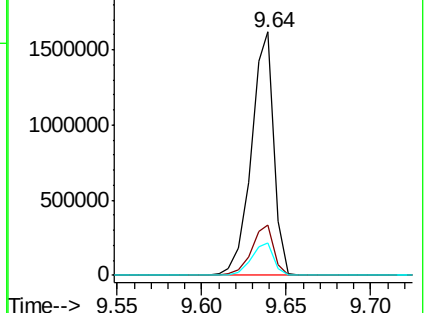
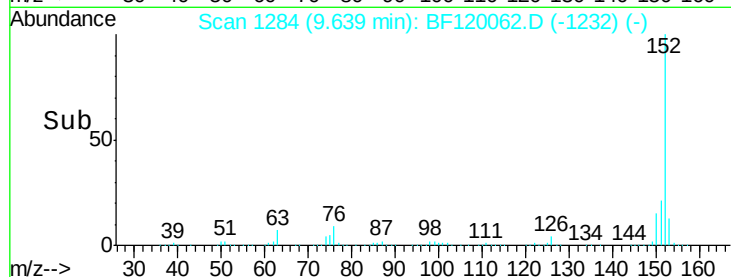
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 68.282 ng

RT: 9.51 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

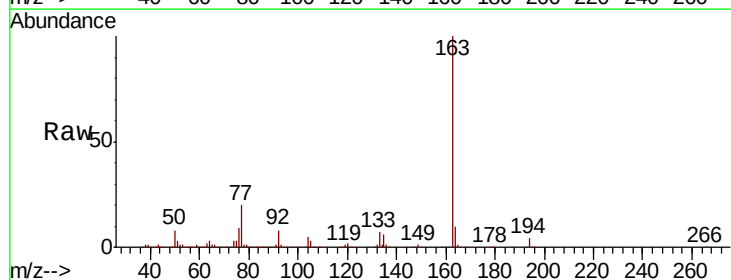
Tgt Ion:163 Resp: 1486054

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

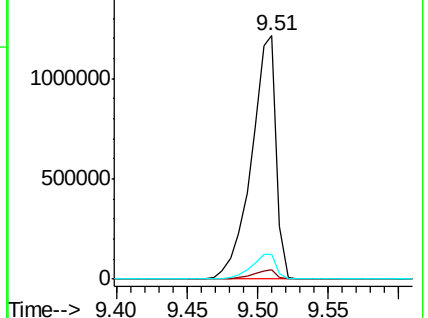
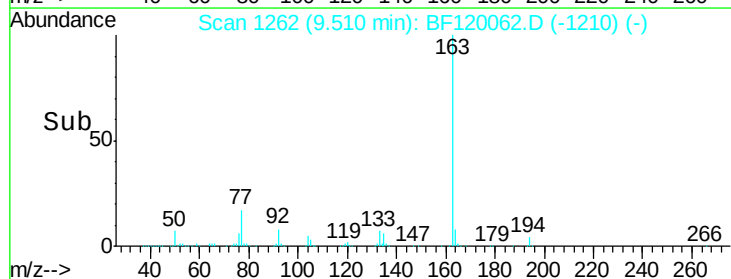
164 10.1 8.4 12.6

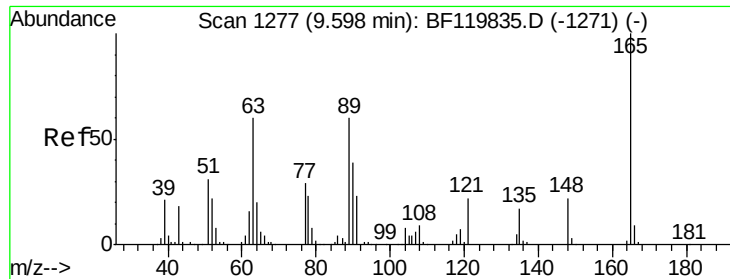


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





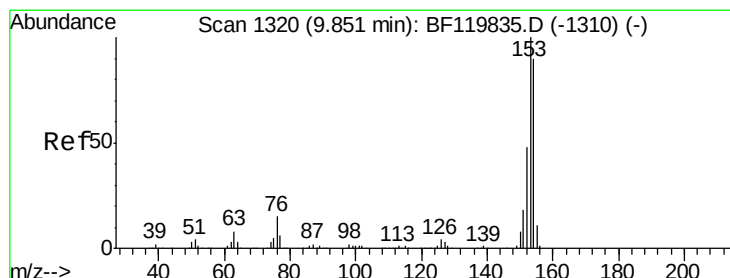
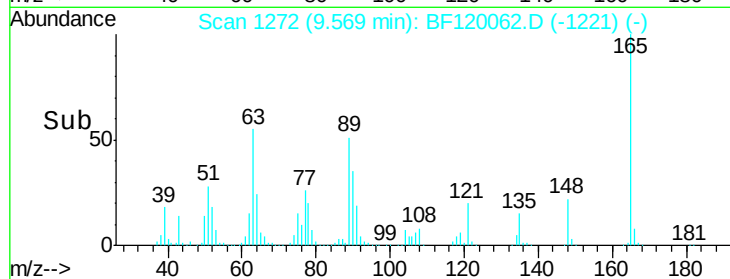
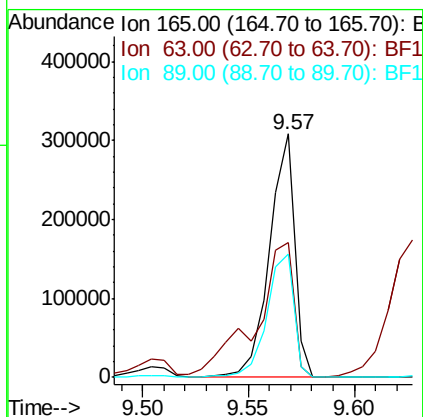
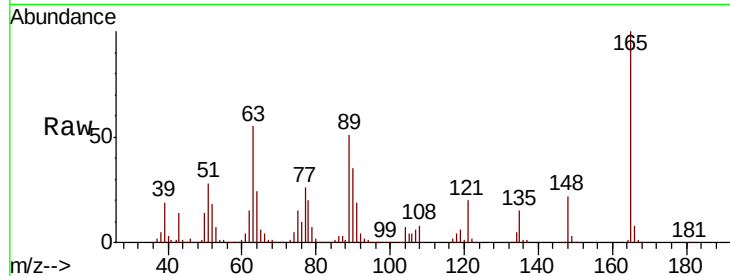
#51
2,6-Dinitrotoluene
Concen: 53.637 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	255626		
63	55.5		55.6	83.4#
89	50.6		47.9	71.9

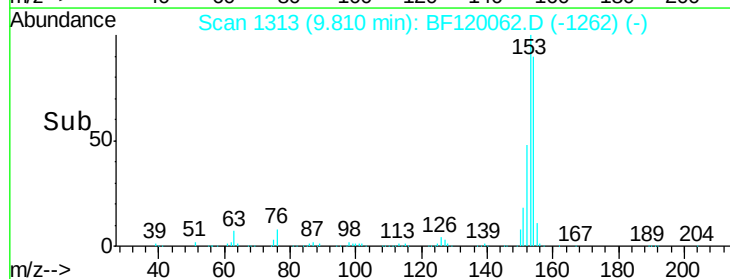
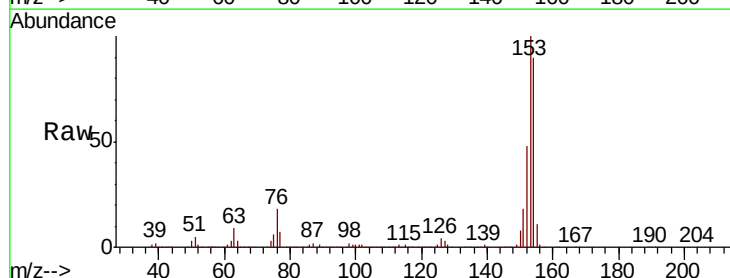
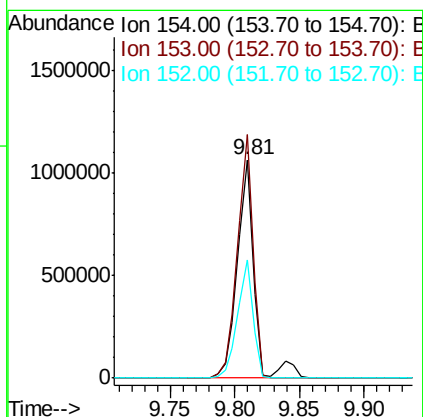
Manual Integrations
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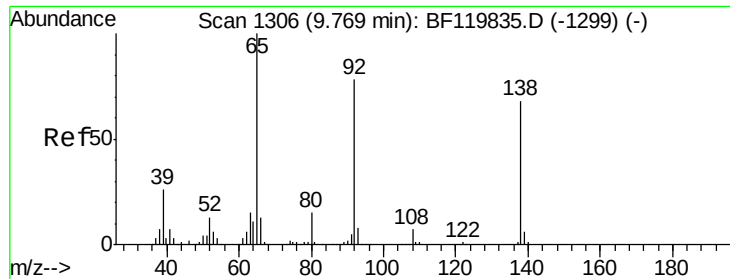
mohammad
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#52
Acenaphthene
Concen: 52.464 ng m
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	973736		
153	111.5		88.8	133.2
152	54.0		42.4	63.6





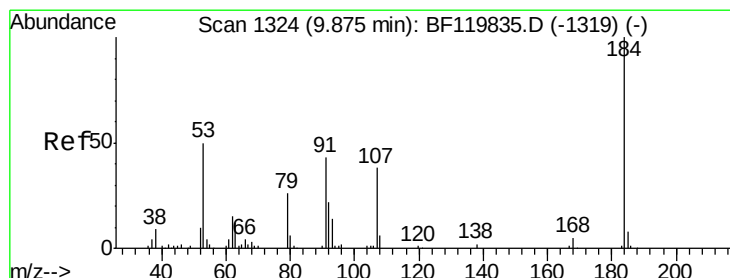
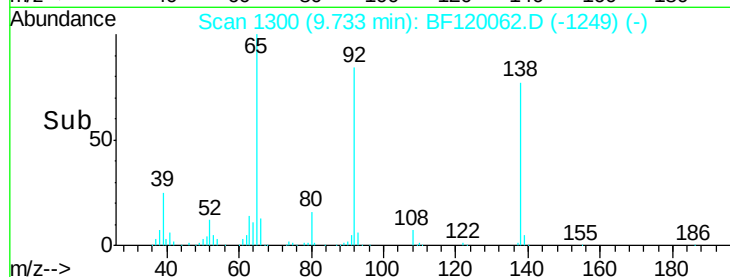
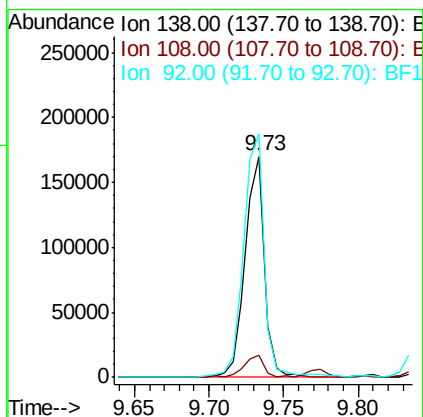
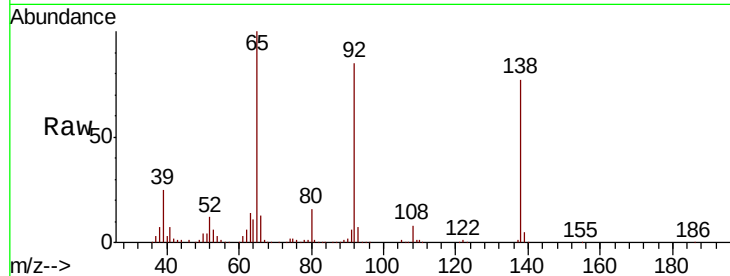
#53
3-Nitroaniline
Concen: 28.242 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	153725		
108	10.0	8.0	12.0	
92	110.3	92.1	138.1	

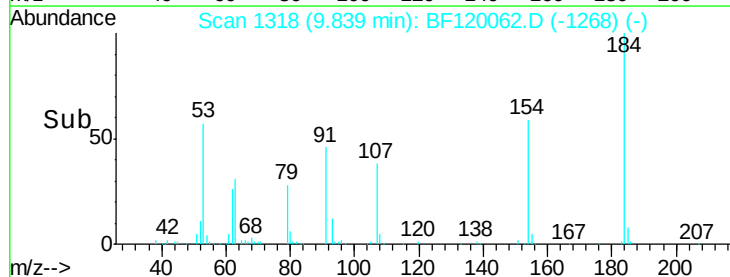
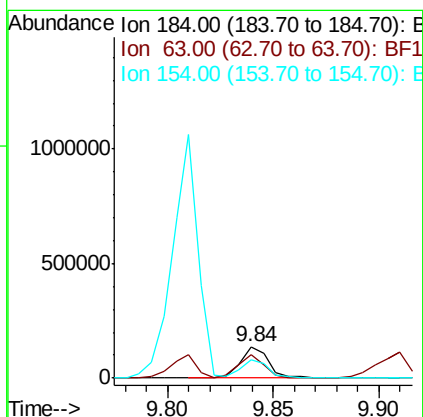
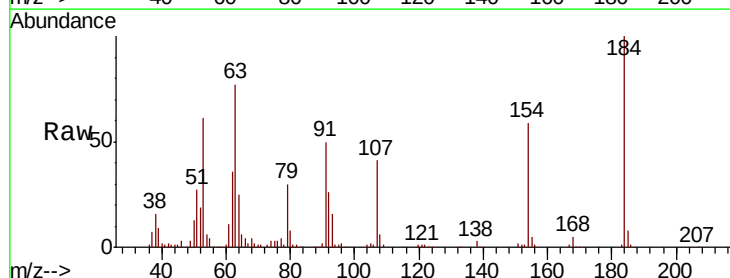
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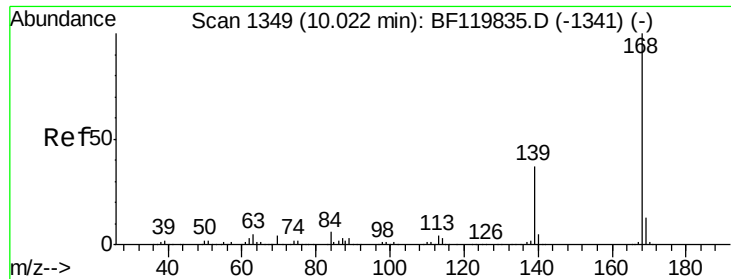
mohammad
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#54
2,4-Dinitrophenol
Concen: 43.761 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	124864		
63	76.6	49.8	74.6#	
154	58.9	46.5	69.7	





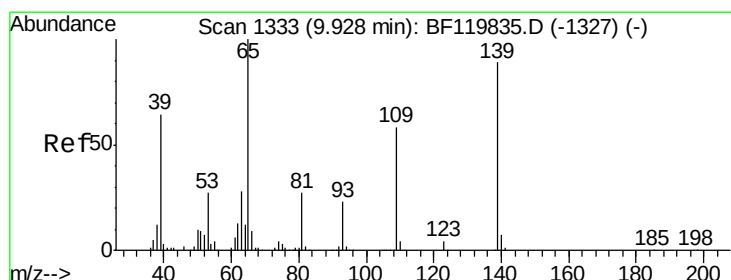
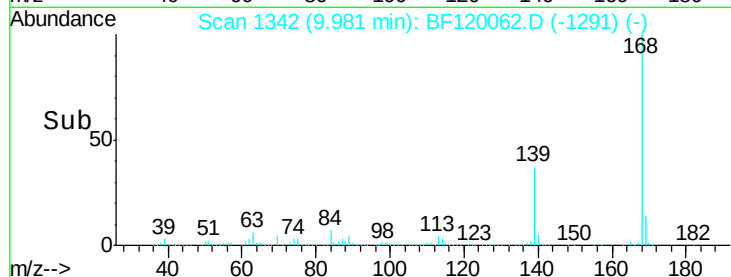
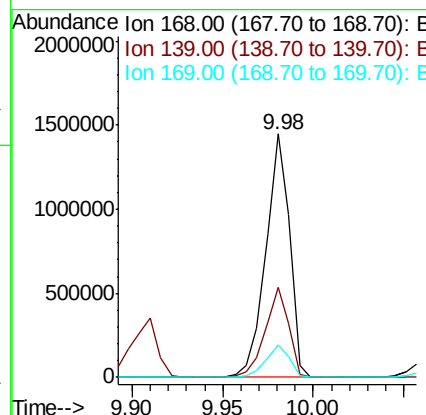
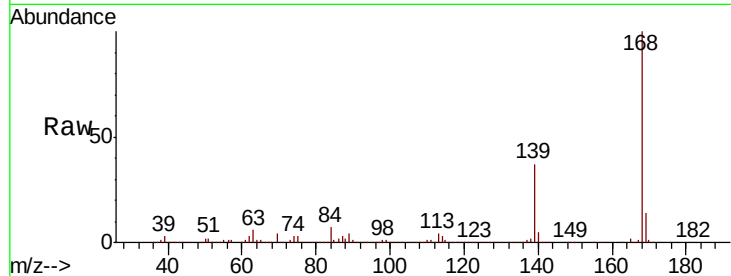
#55
Dibenzofuran
Concen: 51.749 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.6	10.6	15.8

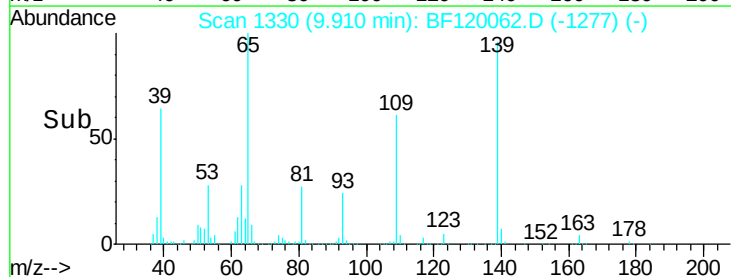
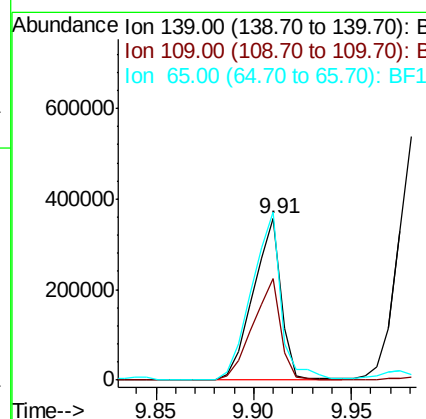
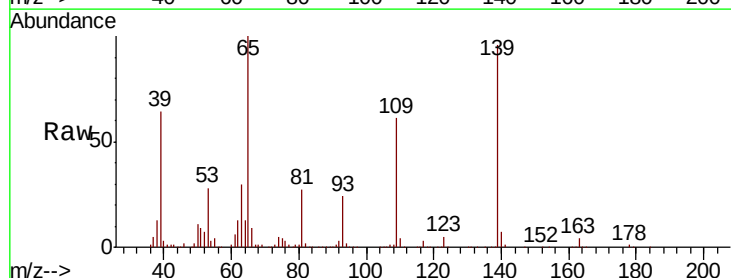
Manual Integrations
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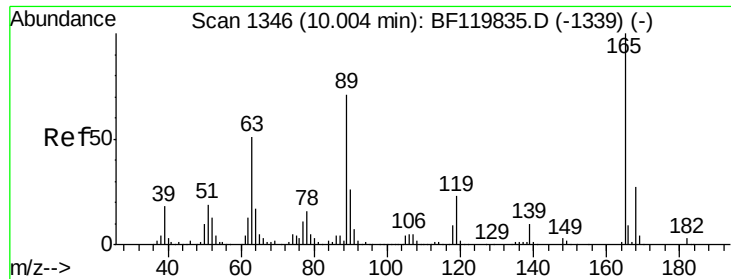
mohammad
4/21/2020 8:22:36 AM



#56
4-Nitrophenol
Concen: 87.941 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.3	45.5	85.5
65	104.2	92.3	132.3





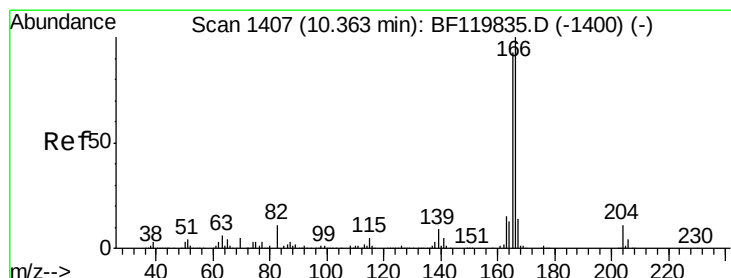
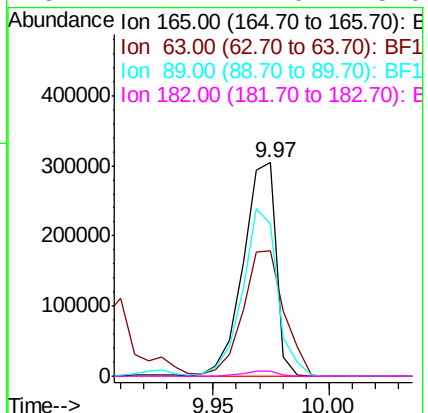
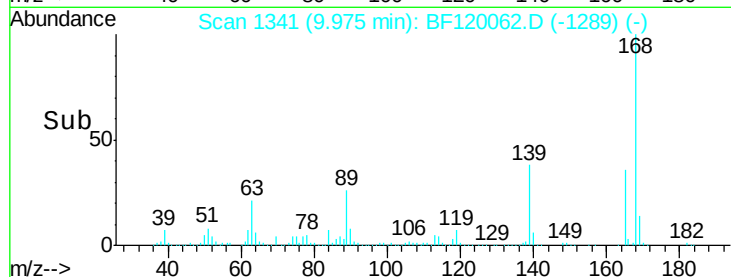
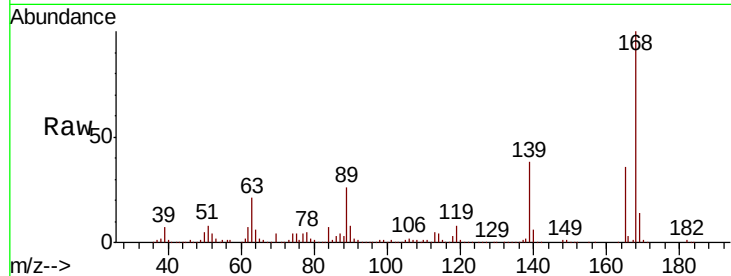
#57
2,4-Dinitrotoluene
Concen: 48.338 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		303515		
63	58.8	40.8	61.2		
89	71.6	56.9	85.3		
182	2.2	2.0	3.0		

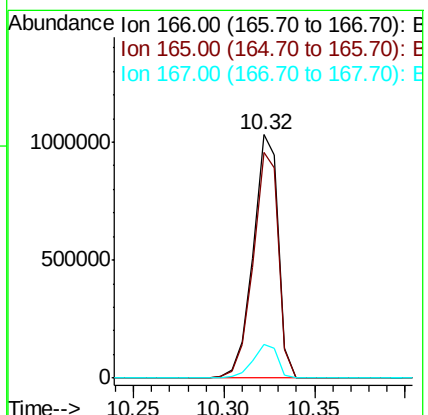
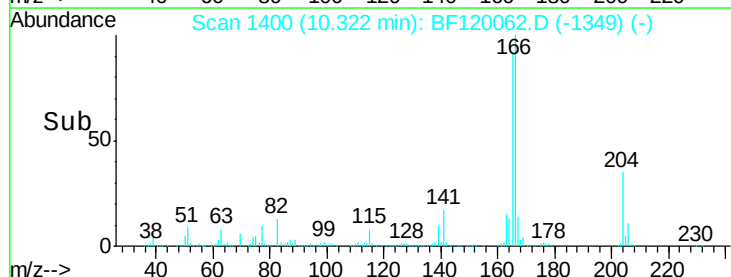
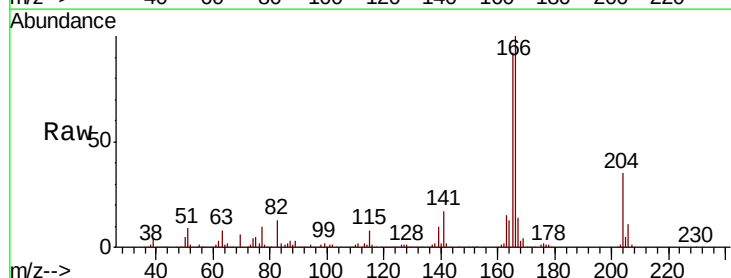
Manual Integrations
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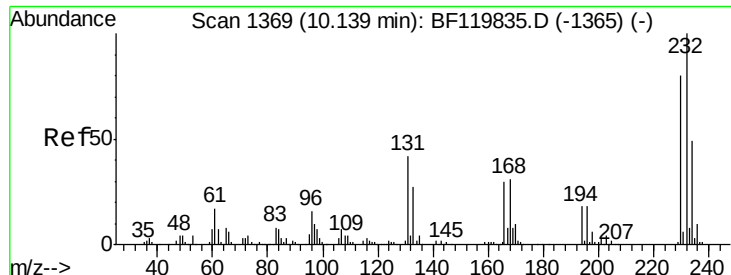
mohammad
4/21/2020 8:22:36 AM



#58
Fluorene
Concen: 48.718 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		992315		
165	92.5	74.2	111.2		
167	13.6	10.8	16.2		





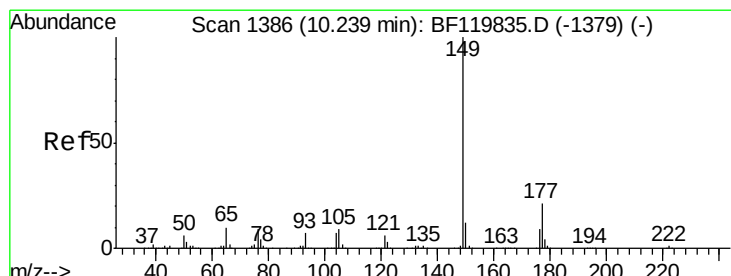
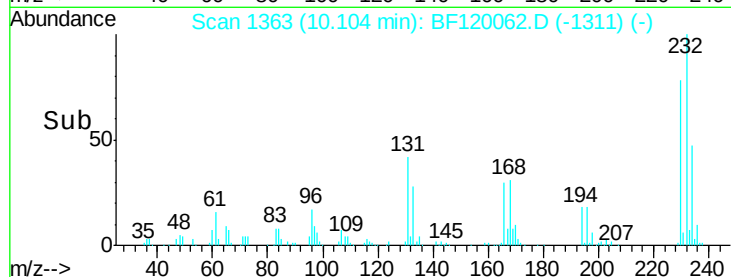
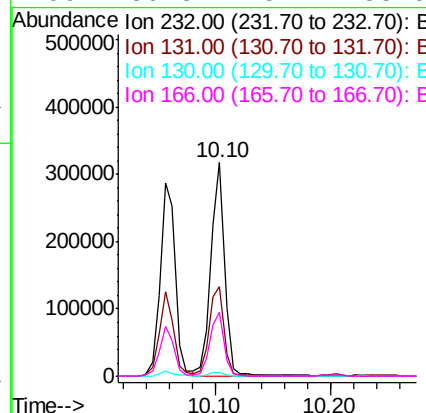
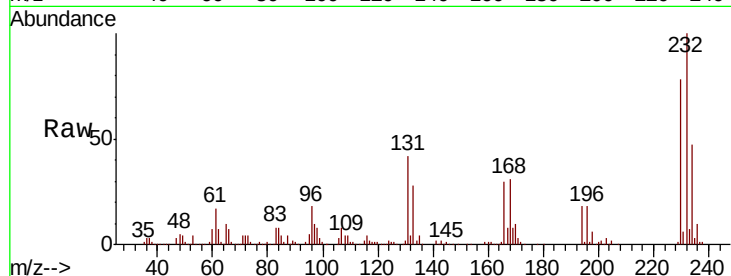
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.557 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	267258		
131	44.8		37.9	56.9
130	2.0		1.8	2.6
166	30.8		25.4	38.0

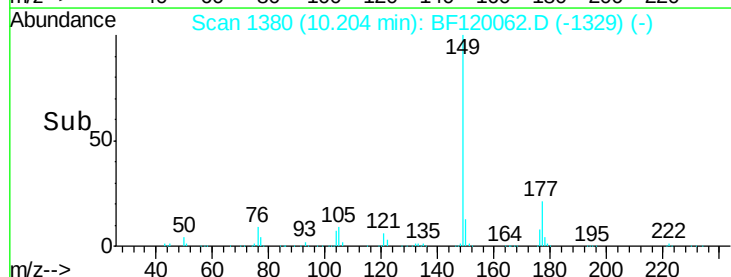
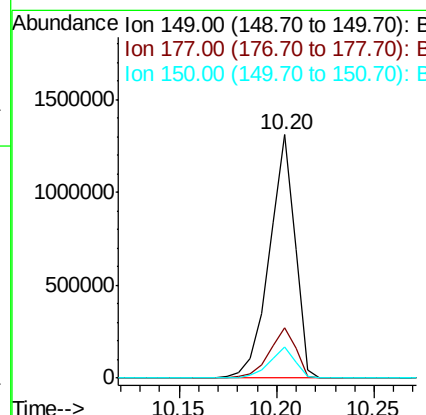
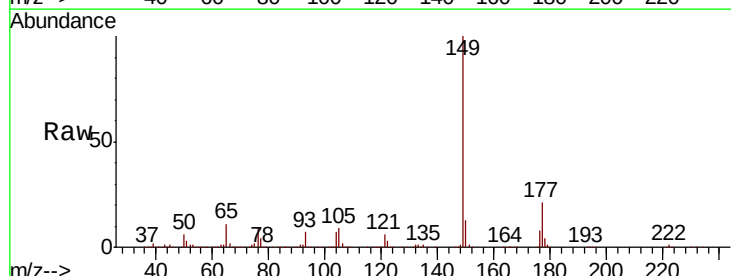
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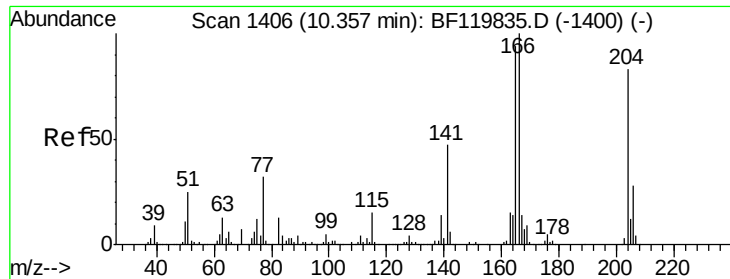
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#60
Diethylphthalate
Concen: 52.936 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1194055		
177	20.9		16.8	25.2
150	12.6		9.8	14.6





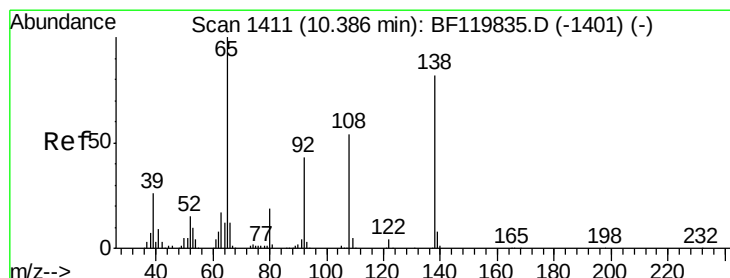
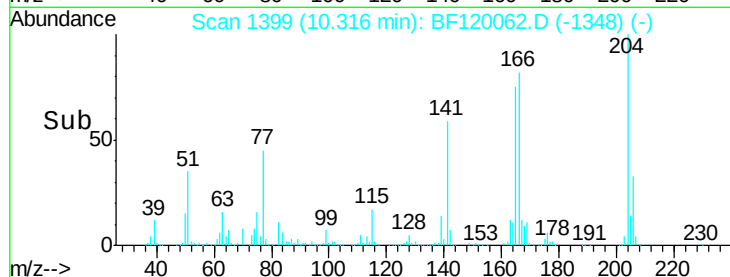
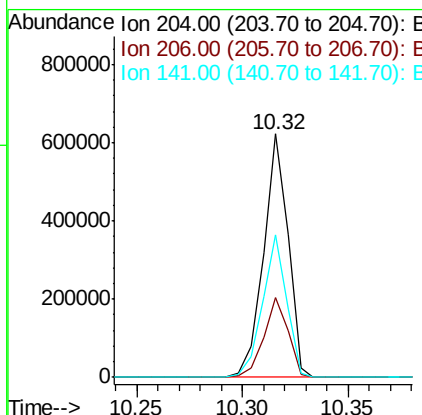
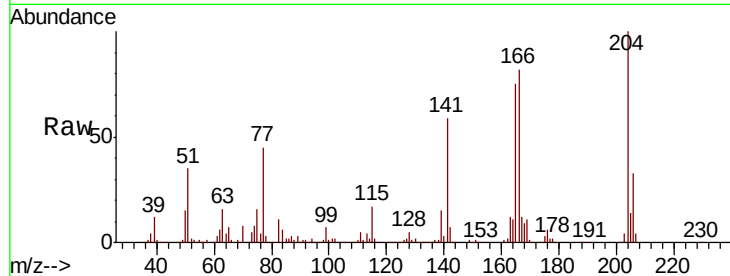
#61
 4-Chlorophenyl-phenylether
 Concen: 48.032 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampled :
 BG-4MSD

Tot Ion:	204	Resp:	501440
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.7	40.1
141	58.7	45.8	68.8

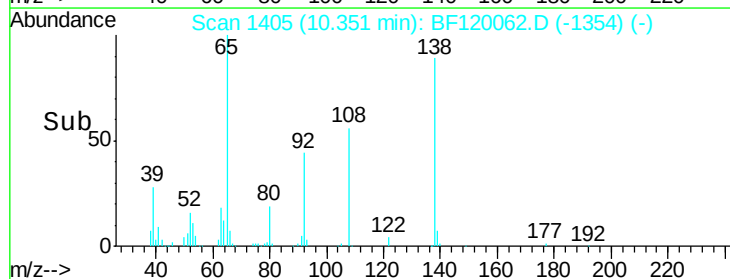
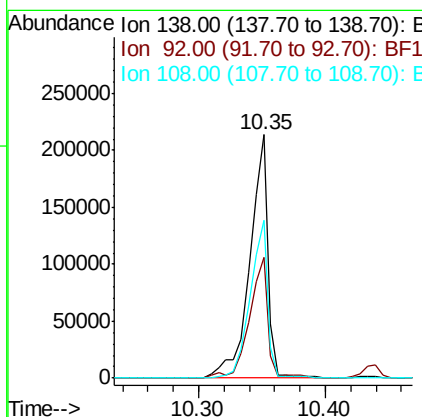
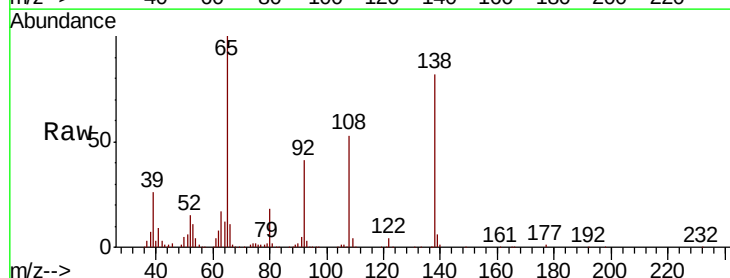
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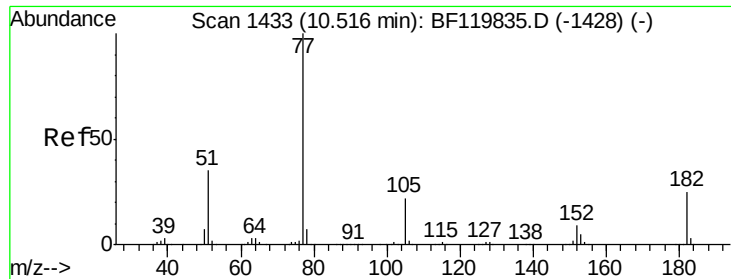
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#62
 4-Nitroaniline
 Concen: 41.385 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion:	138	Resp:	214674
Ion Ratio	Lower	Upper	
138	100		
92	49.6	31.6	71.6
108	64.9	45.2	85.2





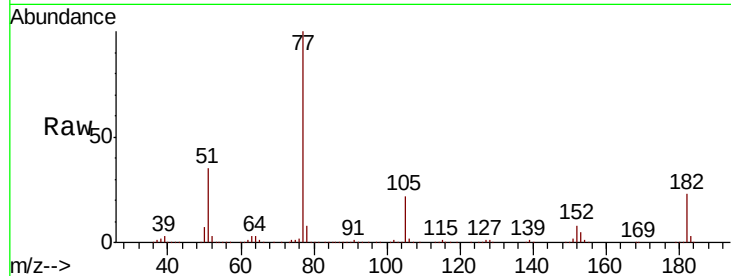
#63
Azobenzene
Concen: 50.844 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

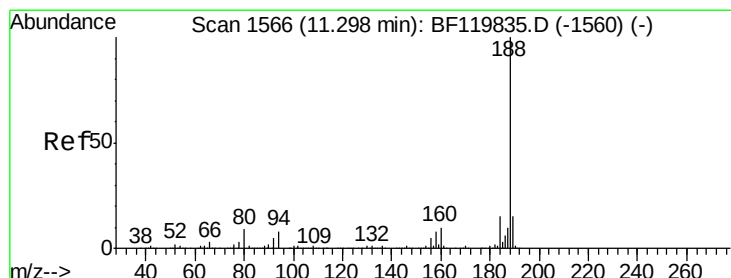
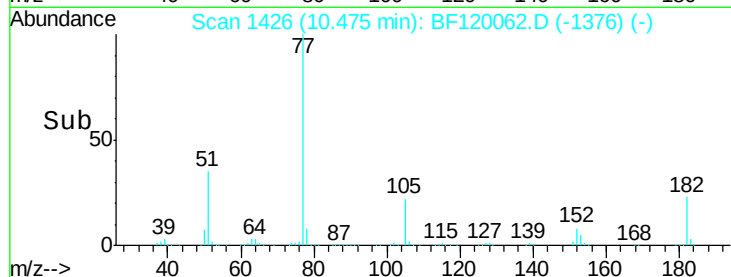
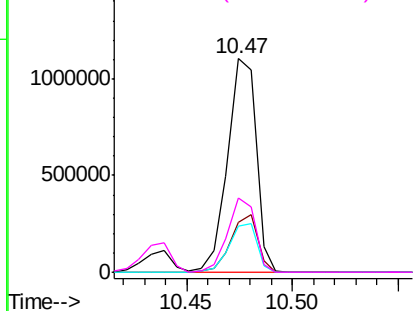
Tot Ion: 77 Resp: 1027803
Ion Ratio Lower Upper
77 100
182 23.1 4.5 44.5
105 21.8 2.2 42.2
51 35.0 15.1 55.1

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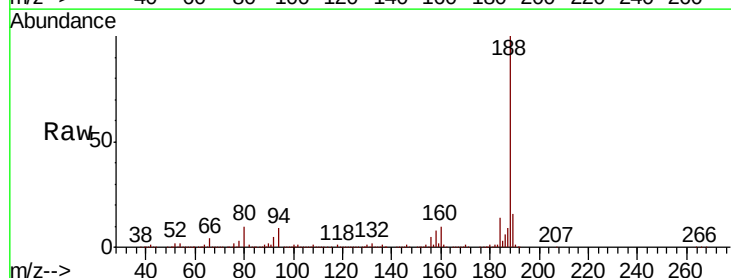


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

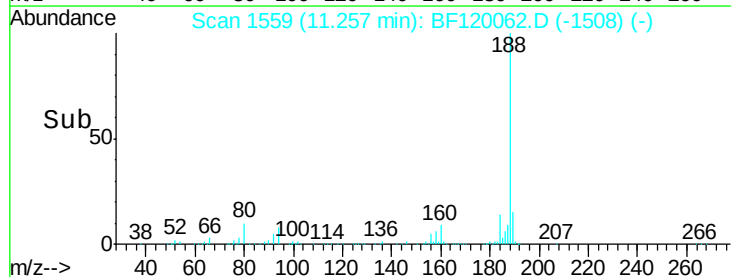
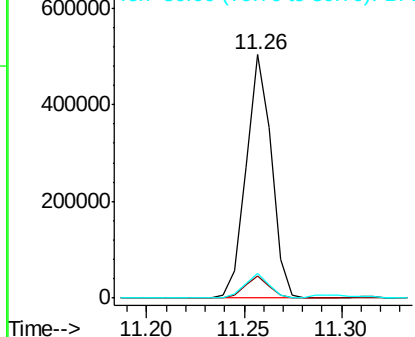


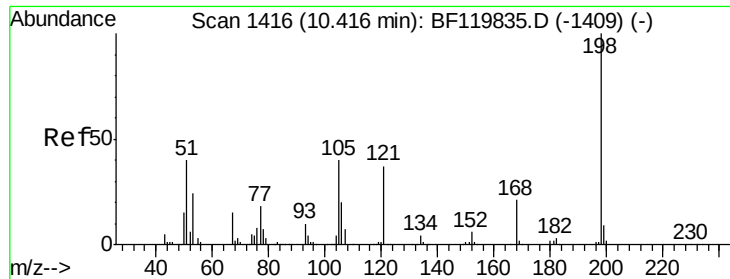
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion: 188 Resp: 451878
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 9.9 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





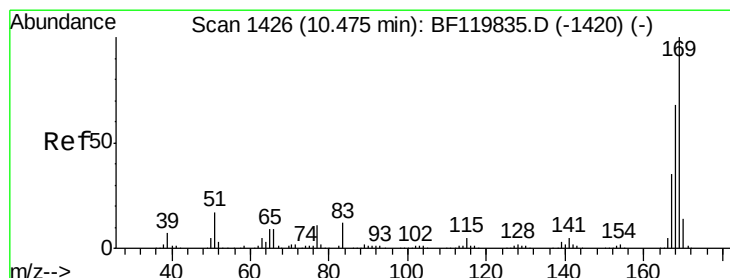
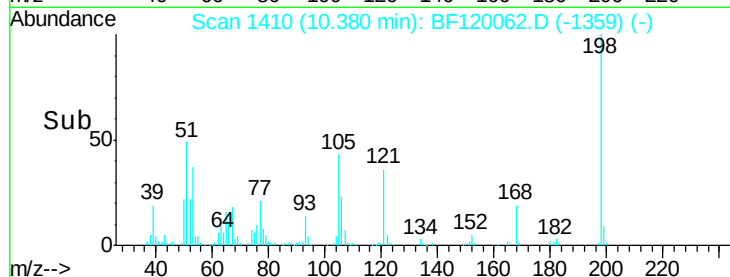
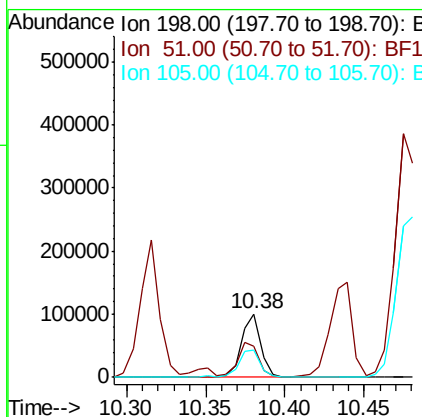
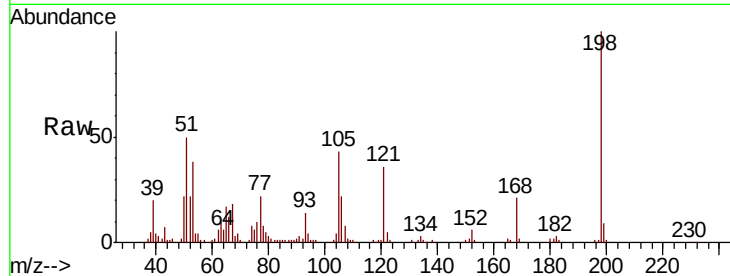
#65
 4,6-Dinitro-2-methylphenol
 Concen: 28.579 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampled :
 BG-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	85080		
51	49.5	25.2	65.2	
105	43.1	20.8	60.8	

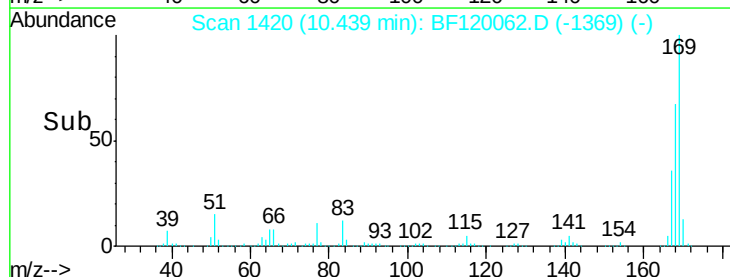
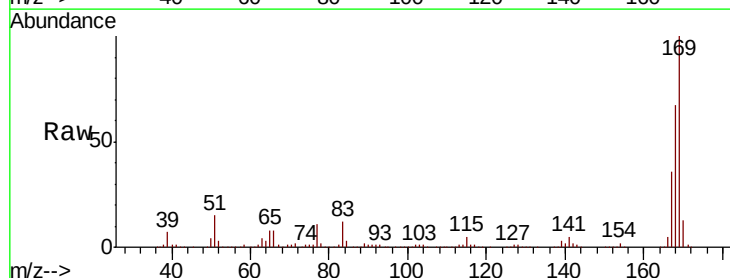
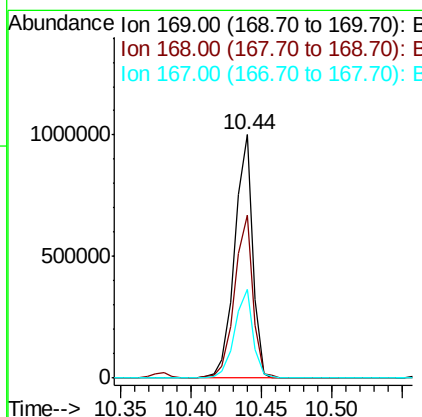
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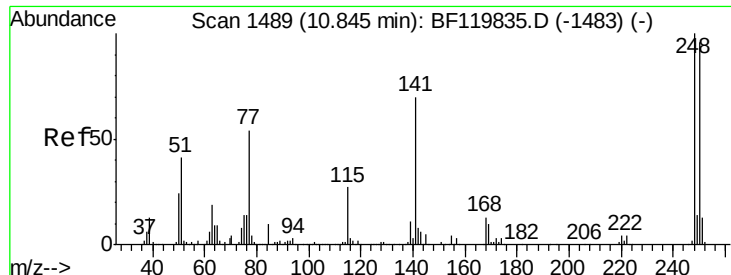
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#66
 n-Nitrosodiphenylamine
 Concen: 59.035 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	887192		
168	67.2	54.2	81.4	
167	36.3	28.3	42.5	





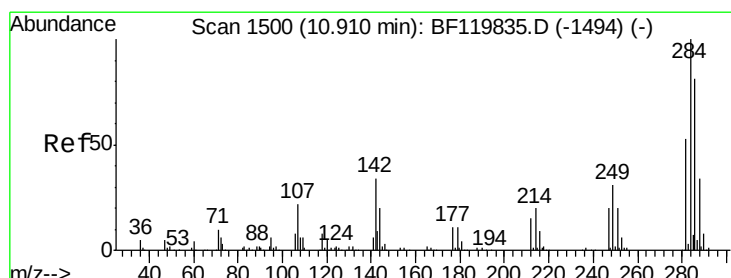
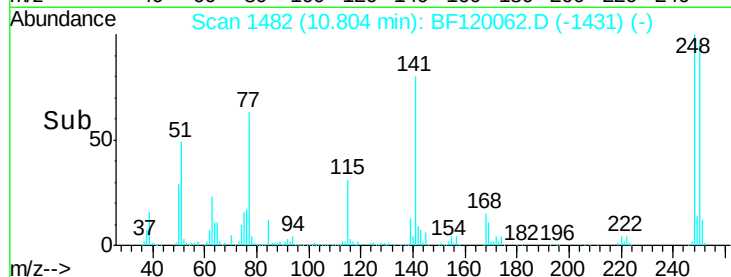
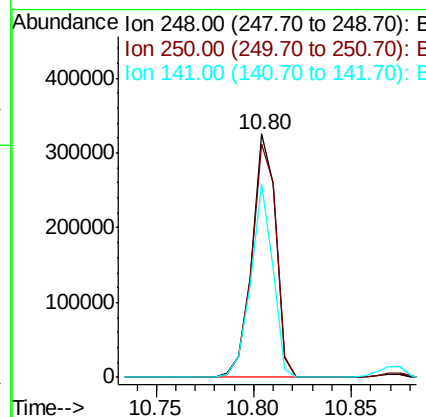
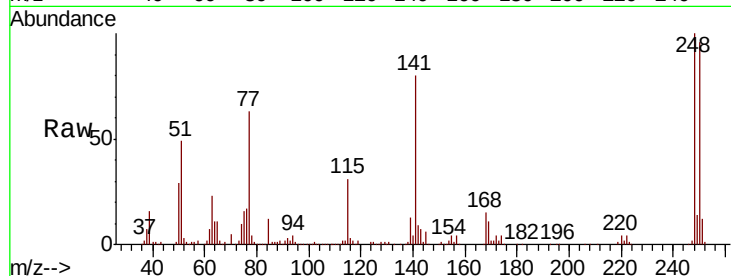
#67
4-Bromophenyl-phenylether
Concen: 49.053 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.6	114.8
141	79.7	55.9	83.9

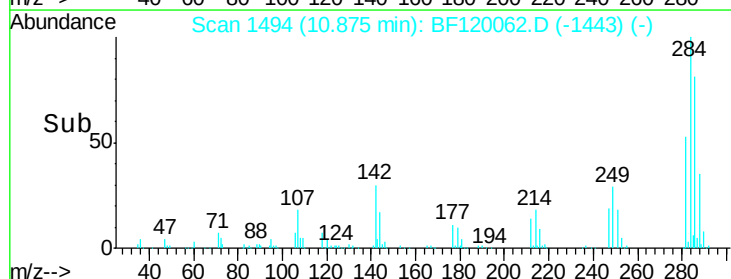
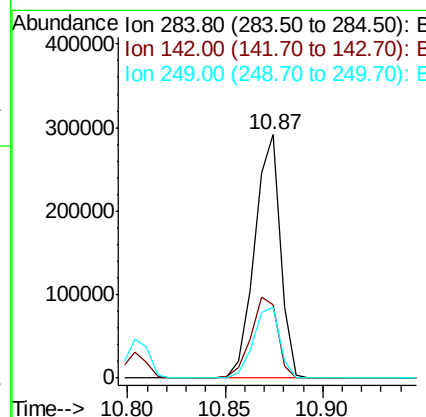
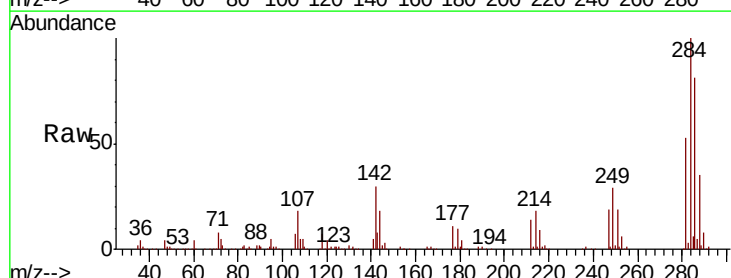
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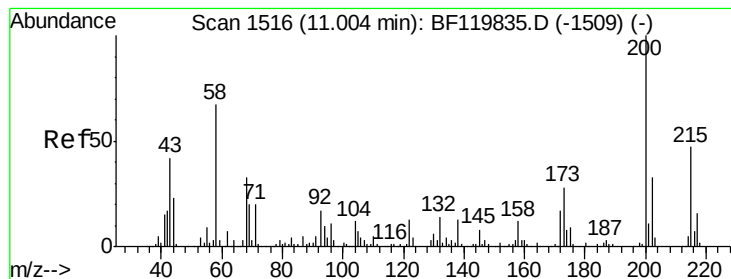
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#68
Hexachlorobenzene
Concen: 46.734 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.4	26.9	40.3
249	29.2	24.6	37.0





#69

Atrazine

Concen: 59.868 ng

RT: 10.97 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

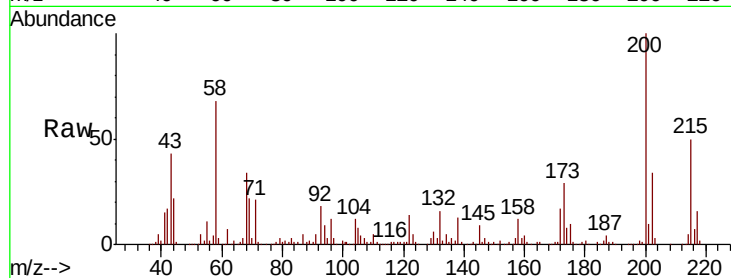
ClientSampleId :

BG-4MSD

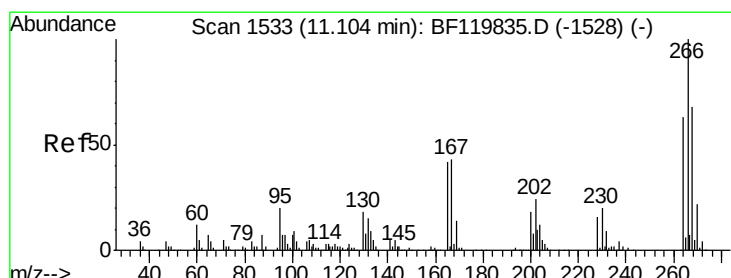
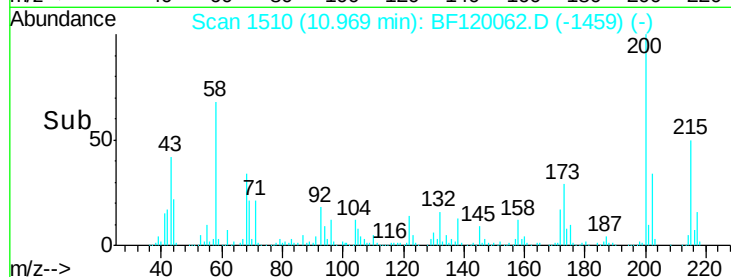
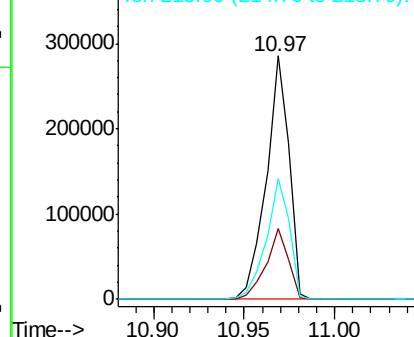
Tot Ion:	200	Resp:	250326
Ion Ratio	Lower	Upper	
200	100		
173	29.2	8.0	48.0
215	49.8	27.1	67.1

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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 94.278 ng

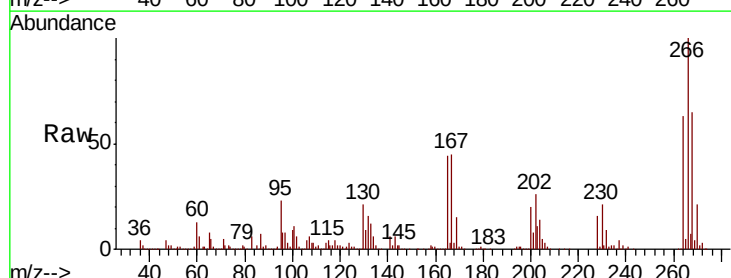
RT: 11.07 min Scan# 1527

Delta R.T. 0.00 min

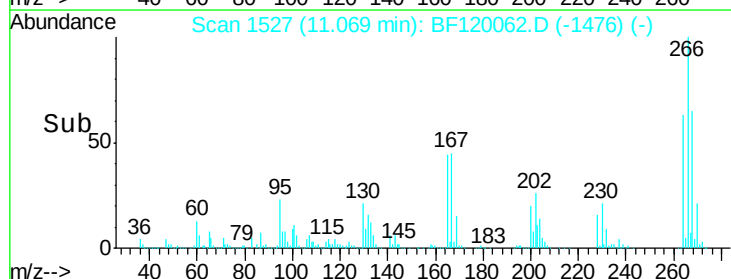
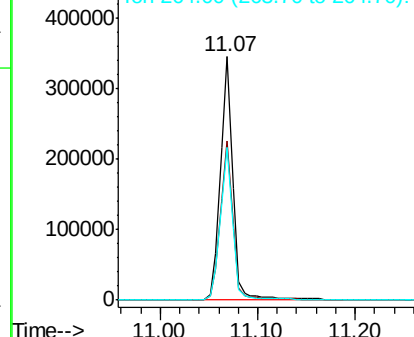
Lab File: BF120062.D

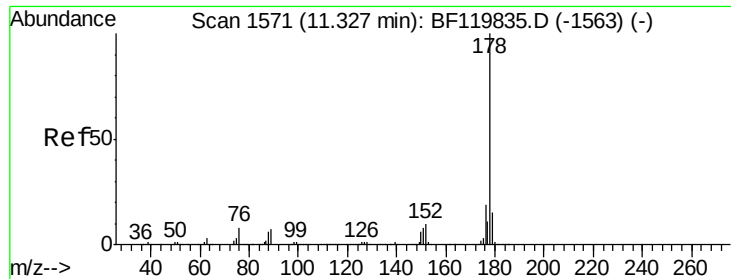
Acq: 17 Apr 2020 16:36

Tgt Ion:	266	Resp:	309728
Ion Ratio	Lower	Upper	
266	100		
268	65.4	54.2	81.4
264	62.6	50.6	76.0



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





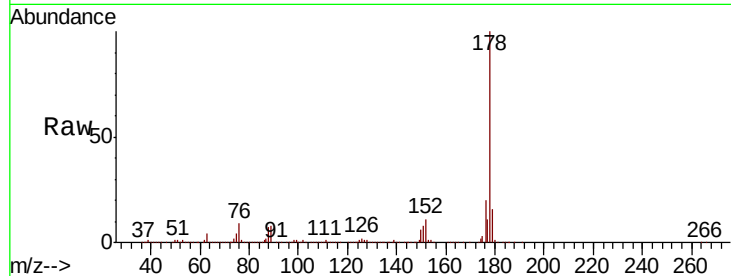
#71
Phenanthrene
Concen: 53.676 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

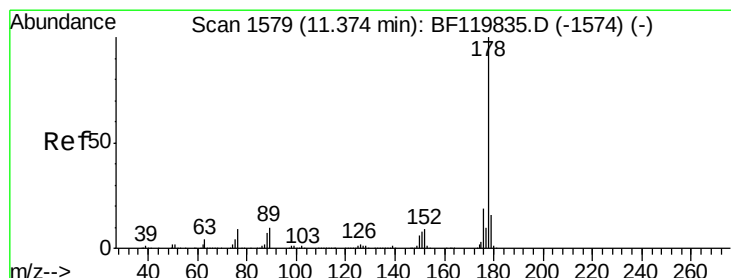
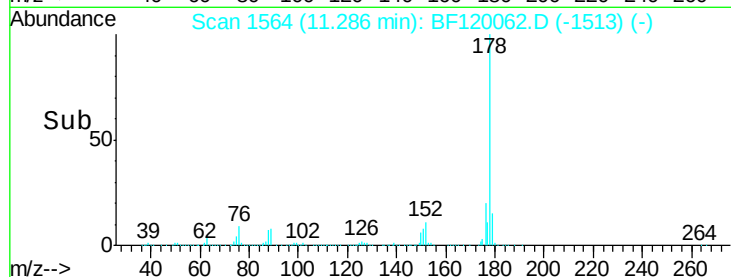
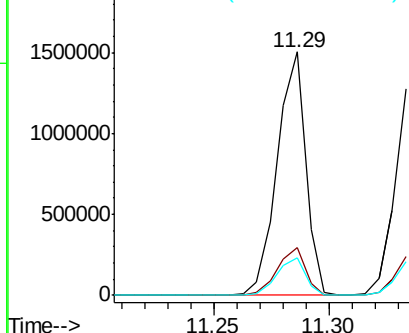
Tot Ion:178 Resp: 1290874
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.6 12.2 18.4

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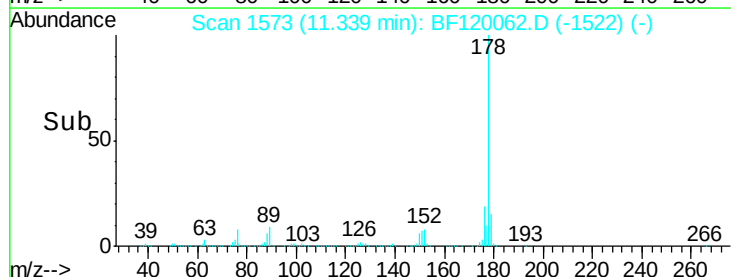
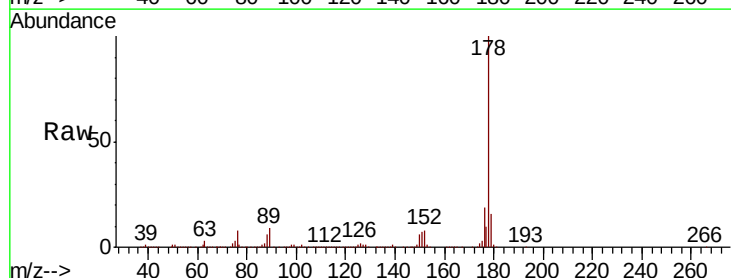
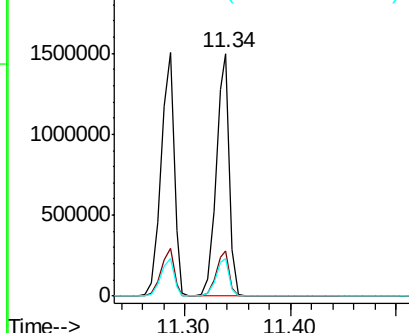
Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

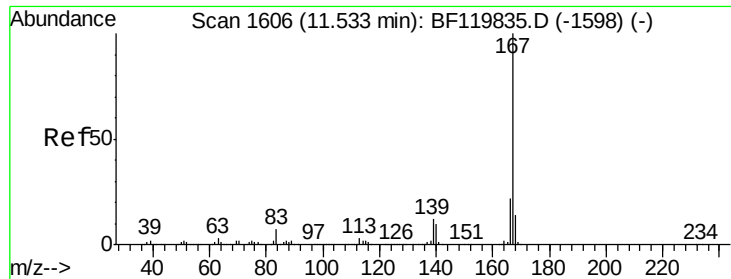


#72
Anthracene
Concen: 53.836 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion:178 Resp: 1322625
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.6 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





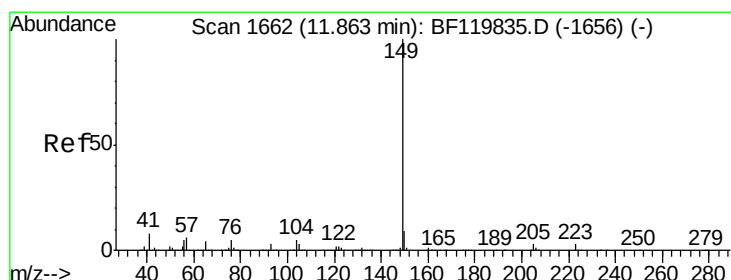
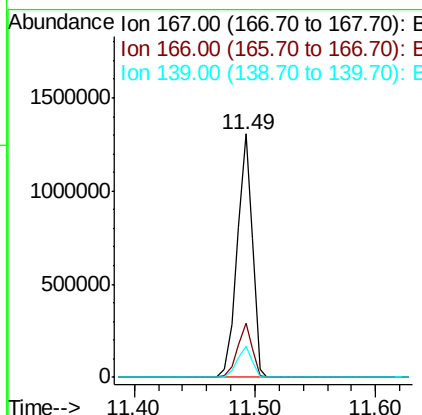
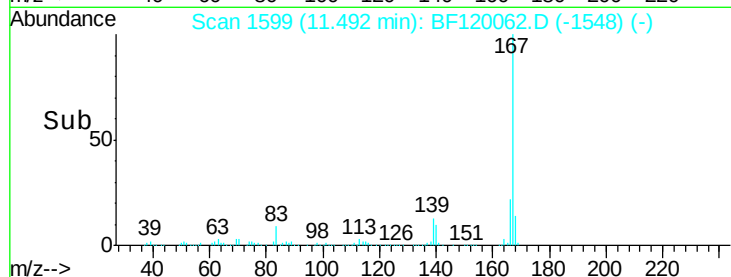
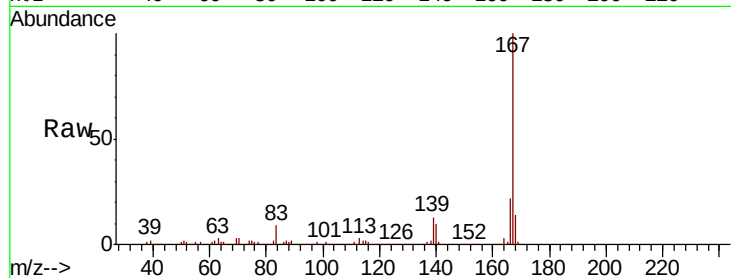
#73
 Carbazole
 Concen: 49.413 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 BG-4MSD

Tot Ion:167 Resp: 1148021
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 12.8 9.8 14.8

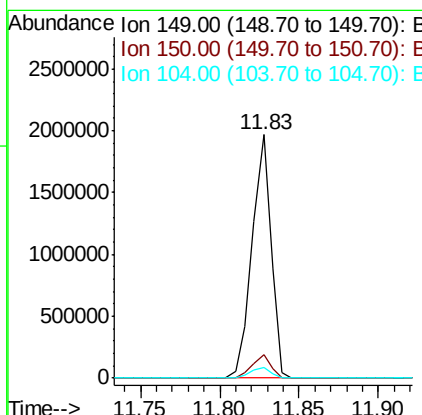
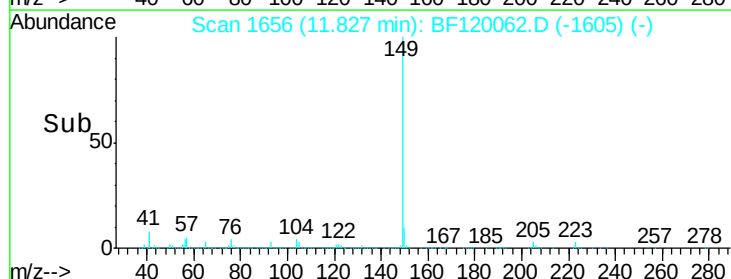
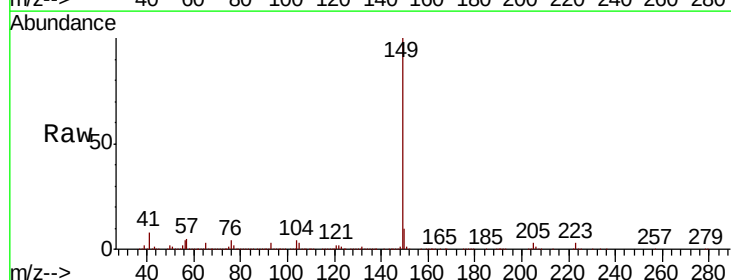
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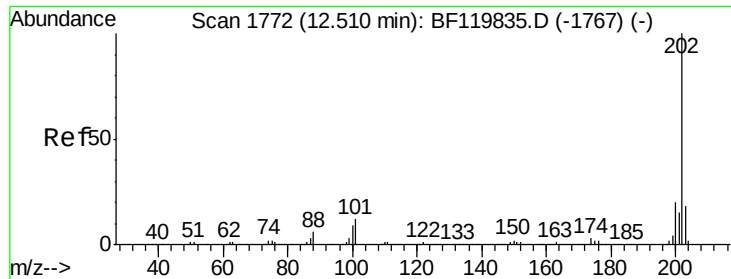
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#74
 Di-n-butylphthalate
 Concen: 53.749 ng
 RT: 11.83 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BF120062.D
 Acq: 17 Apr 2020 16:36

Tgt Ion:149 Resp: 1641617
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.6 11.4
 104 4.4 3.8 5.6





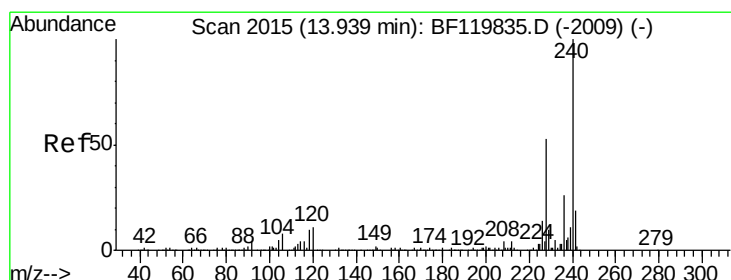
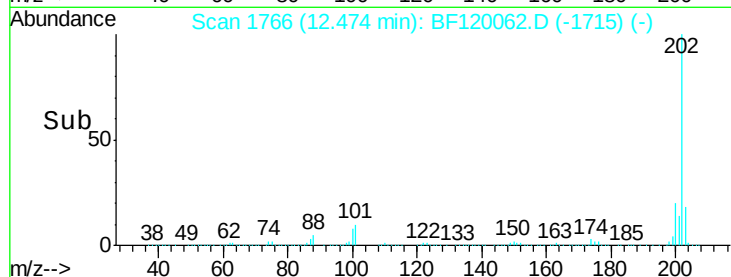
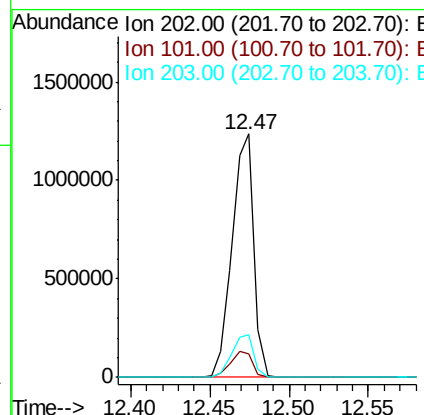
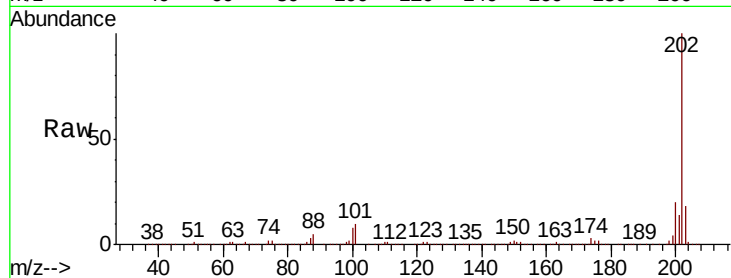
#75
Fluoranthene
Concen: 44.913 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	32.3
203	17.8	0.0	37.6

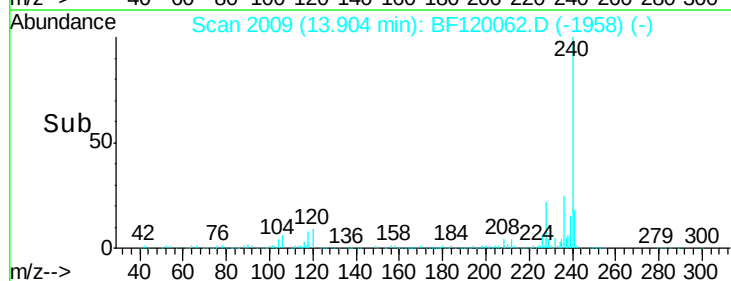
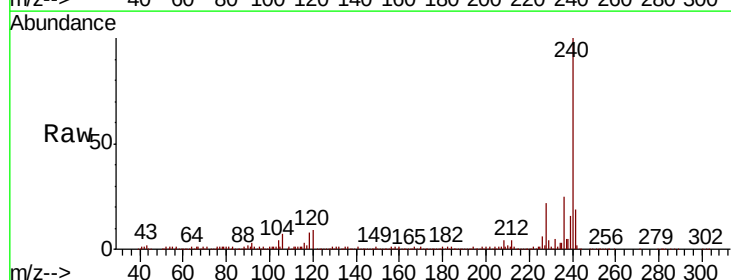
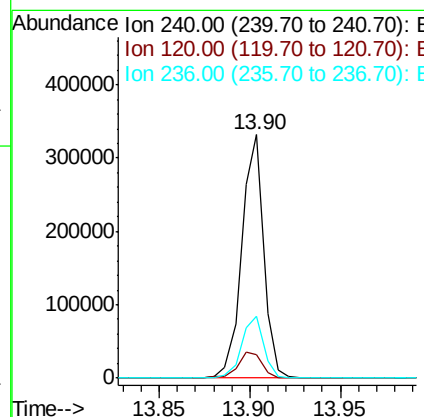
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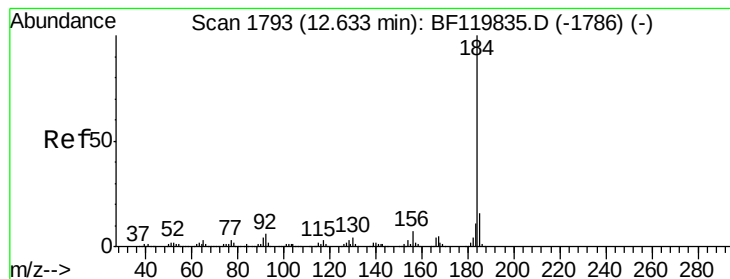
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.0	13.6
236	25.3	20.7	31.1





#77

Benzidine

Concen: 6.904 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion:184 Resp: 64538

Ion Ratio Lower Upper

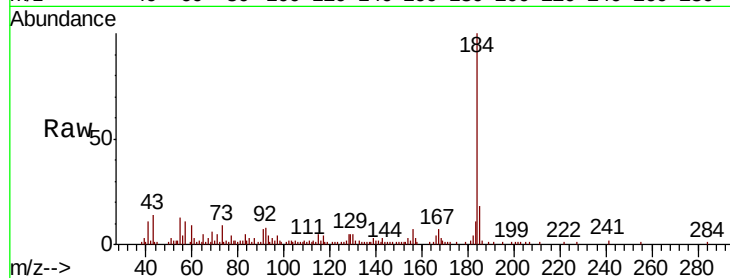
184 100

185 18.1 13.2 19.8

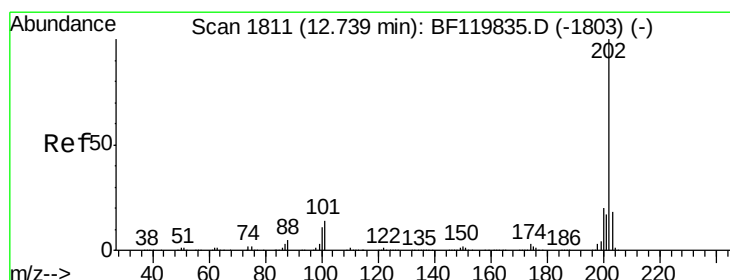
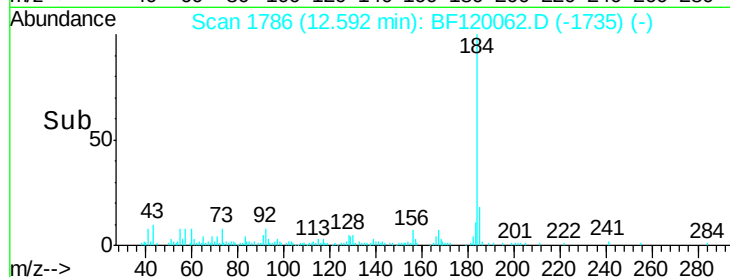
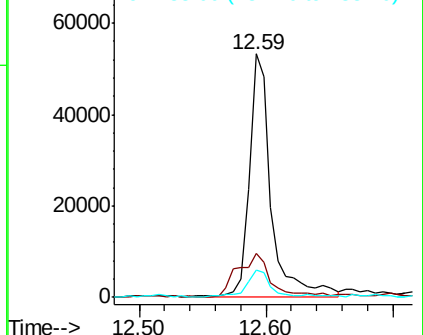
183 11.3 9.1 13.7

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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: 49.179 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

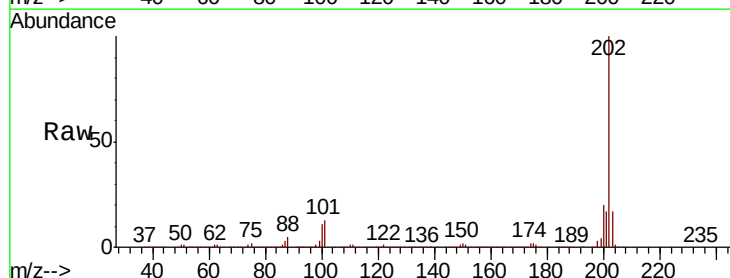
Tgt Ion:202 Resp: 1146479

Ion Ratio Lower Upper

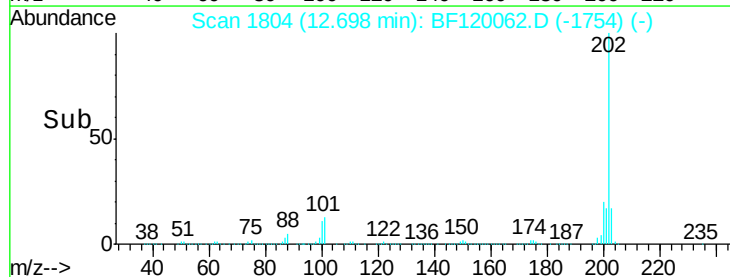
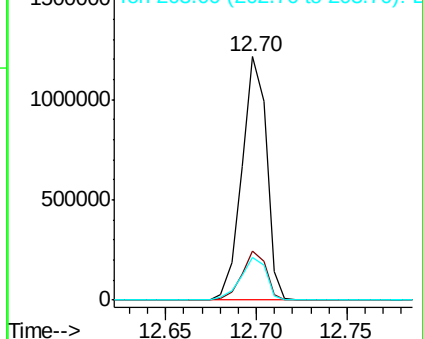
202 100

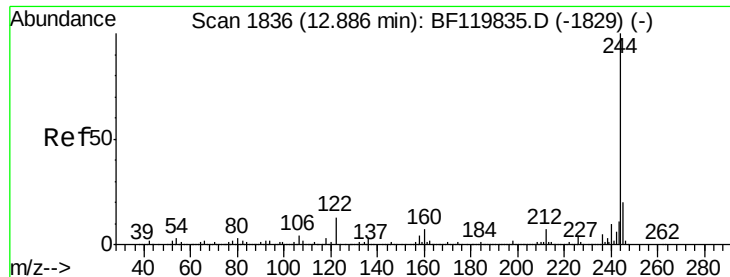
200 20.0 16.2 24.2

203 17.3 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: 79.387 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion:244 Resp: 1304667

Ion Ratio Lower Upper

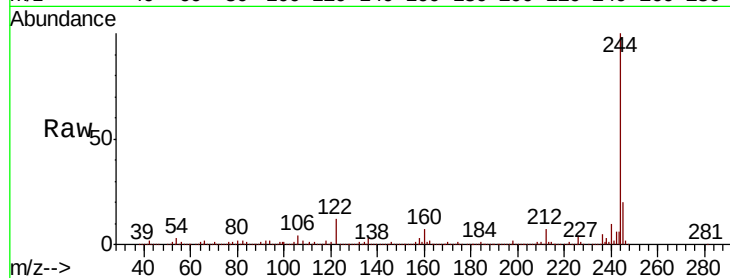
244 100

212 7.1 5.4 8.0

122 12.1 10.3 15.5

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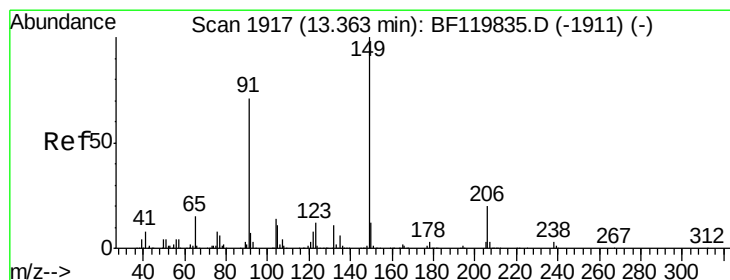
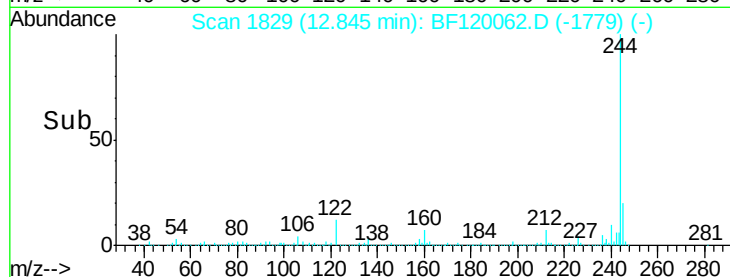
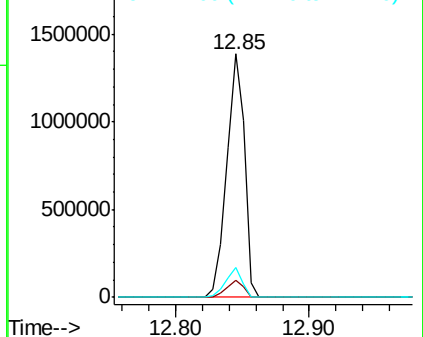
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.672 ng

RT: 13.33 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

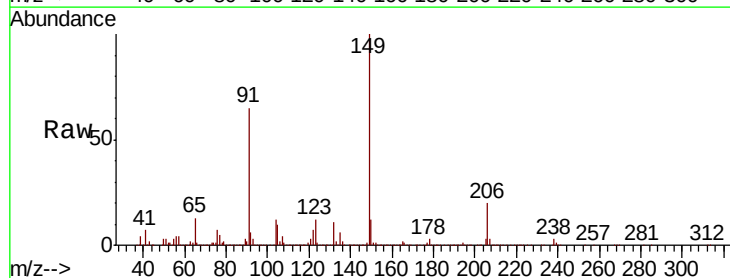
Tgt Ion:149 Resp: 539258

Ion Ratio Lower Upper

149 100

91 65.4 56.7 85.1

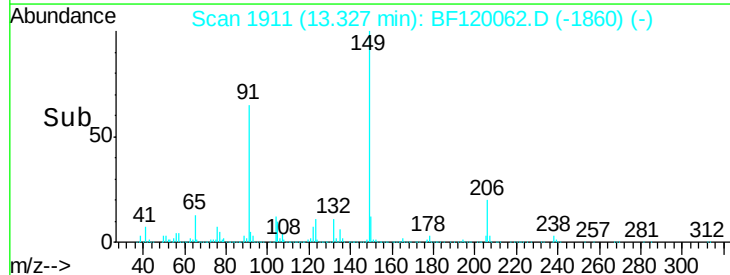
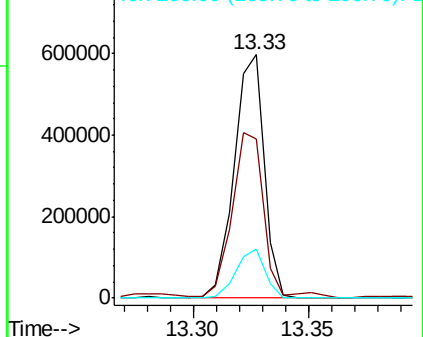
206 20.4 15.7 23.5

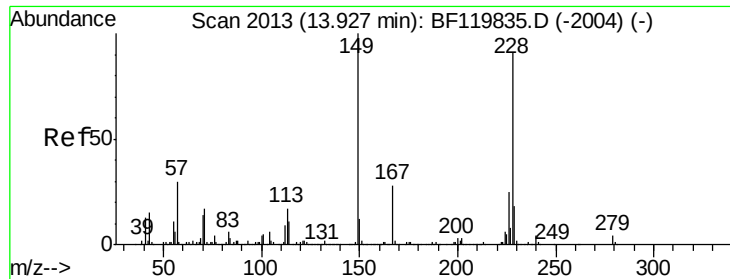


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 54.716 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

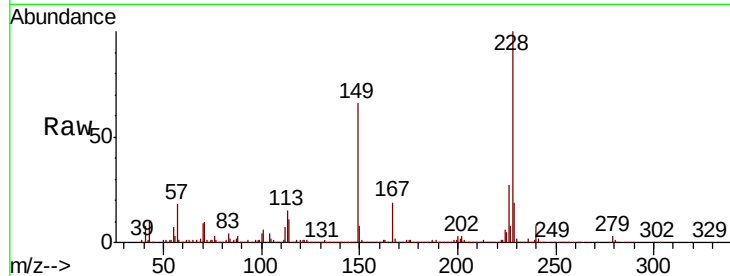
ClientSampled :

BG-4MSD

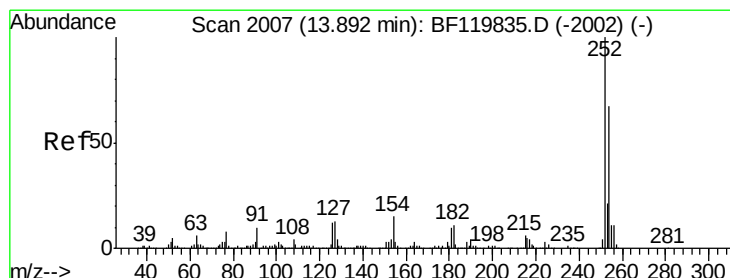
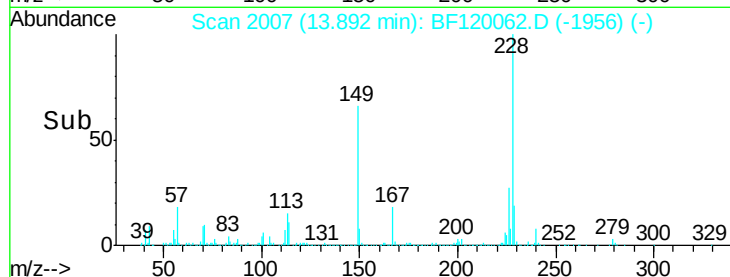
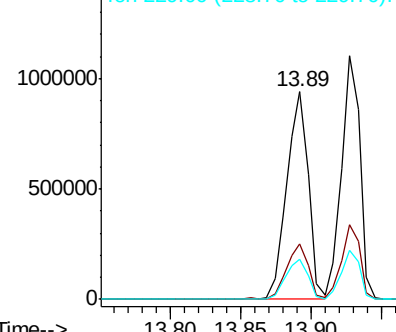
Tot Ion:	228	Resp:	995400
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.9	32.9
229	19.3	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 38.528 ng

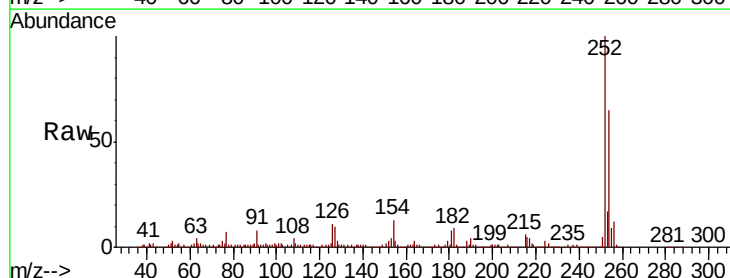
RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

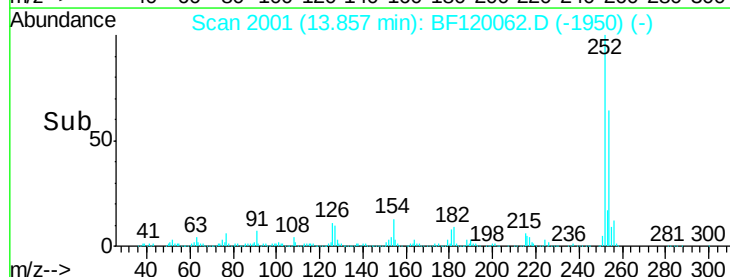
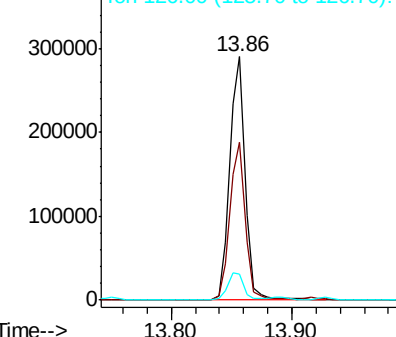
Lab File: BF120062.D

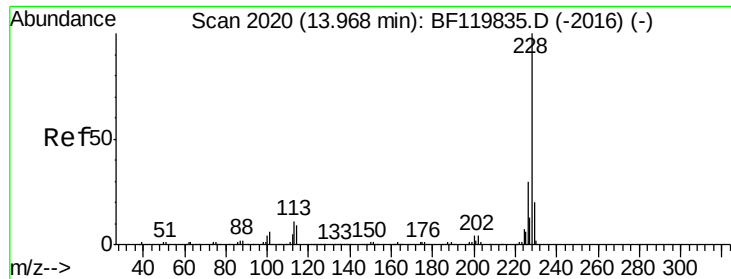
Acq: 17 Apr 2020 16:36

Tgt Ion:	252	Resp:	261521
Ion Ratio	Lower	Upper	
252	100		
254	64.6	53.9	80.9
126	10.8	9.7	14.5



Abundance Ion 252.00 (251.70 to 252.70): E
400000 Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





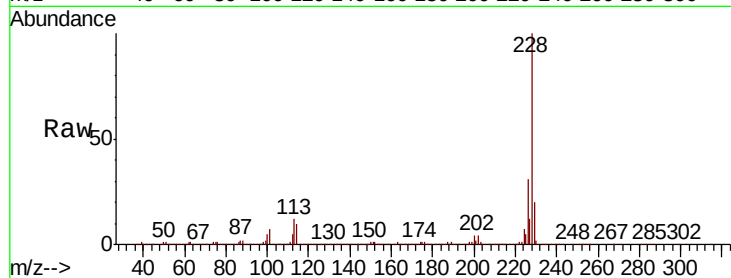
#83
Chrysene
Concen: 54.091 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

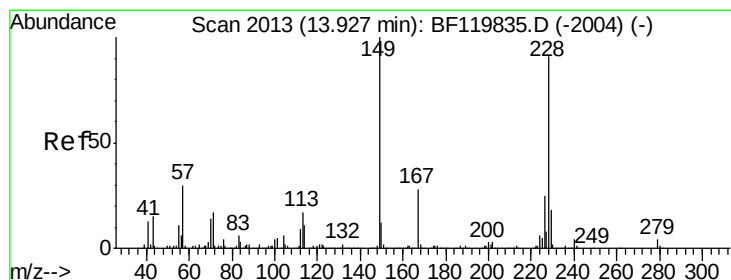
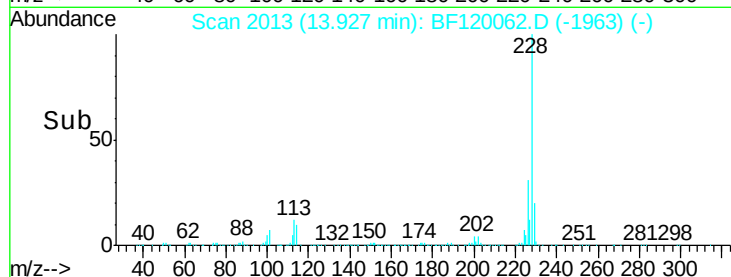
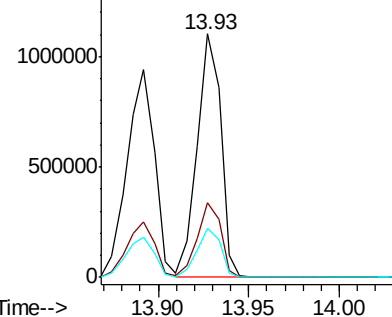
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	19.9	15.9	23.9

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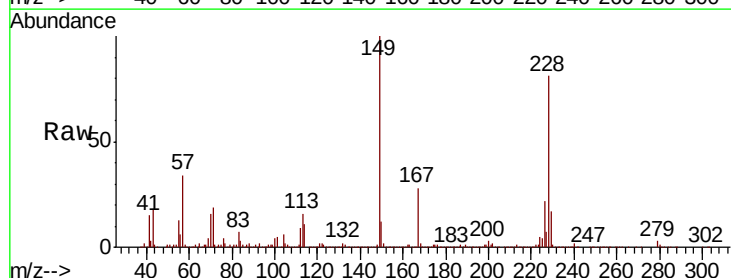


Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

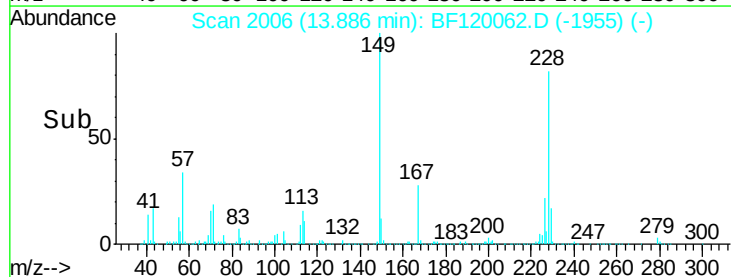
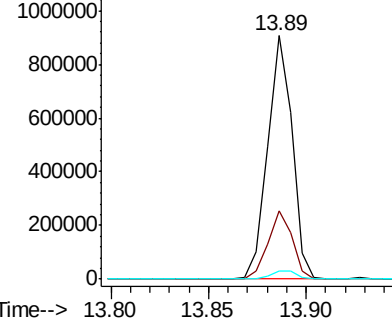


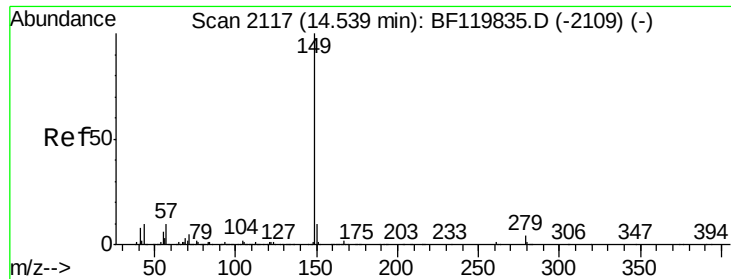
#84
Bis(2-ethylhexyl)phthalate
Concen: 51.542 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.2
279	3.3	3.4	5.0#



Abundance Ion 149.00 (148.70 to 149.70): E
1200000 Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 49.930 ng

RT: 14.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

BG-4MSD

Tot Ion:149 Resp: 1302299

Ion Ratio Lower Upper

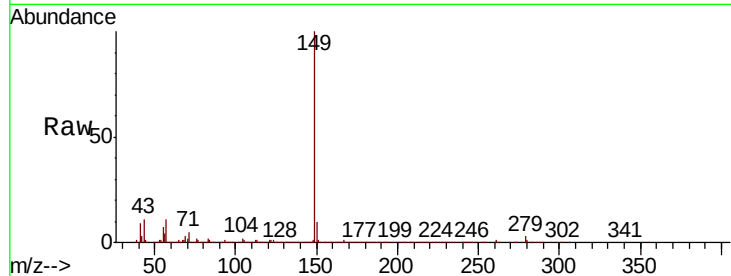
149 100

167 1.5 1.2 1.8

43 10.8 9.2 13.8

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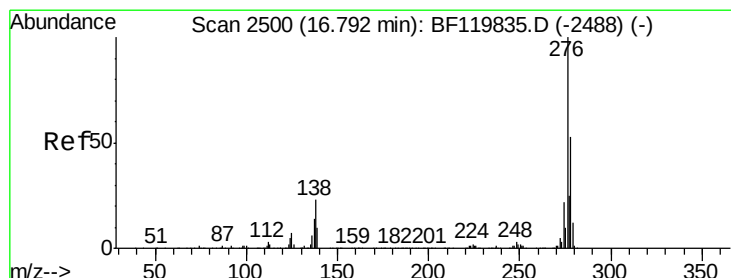
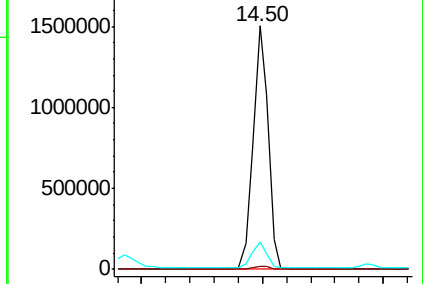
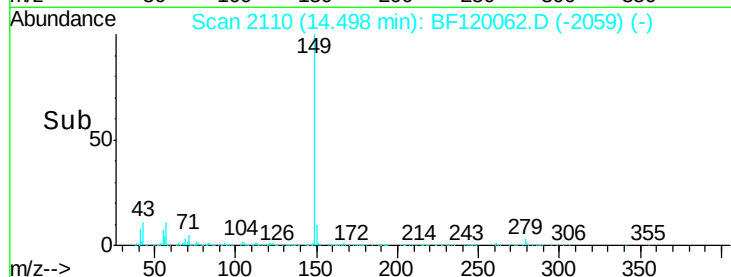
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 48.172 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

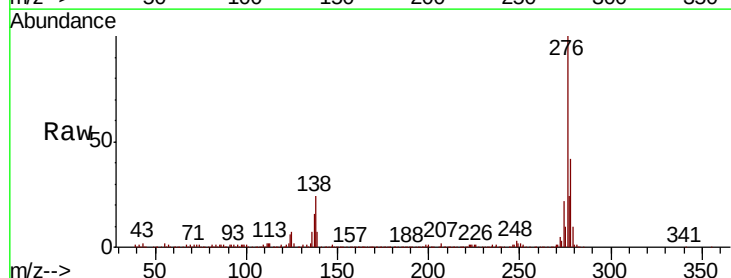
Tgt Ion:276 Resp: 784927

Ion Ratio Lower Upper

276 100

138 25.0 18.0 27.0

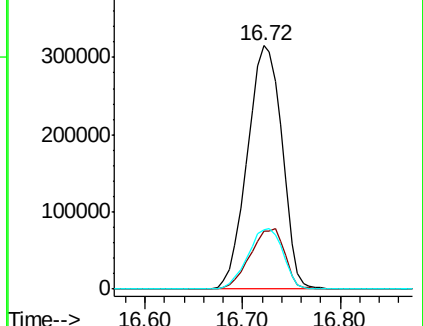
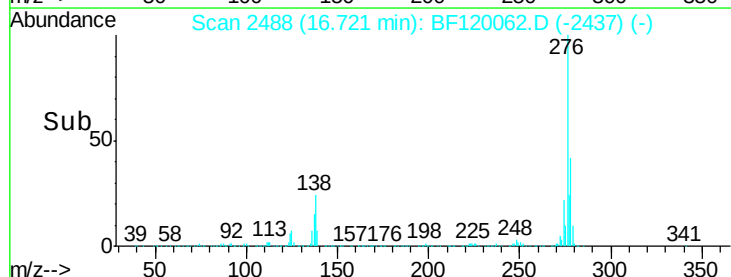
277 25.3 20.1 30.1

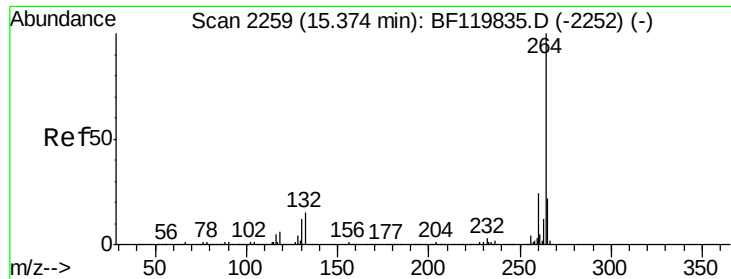


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





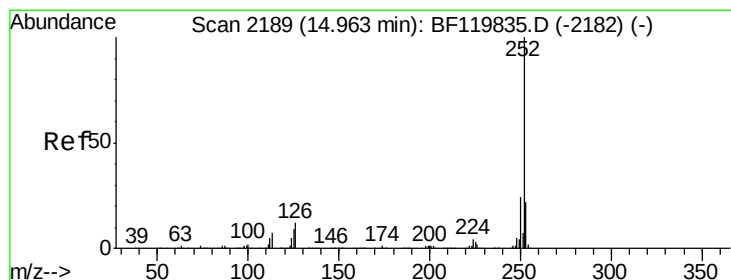
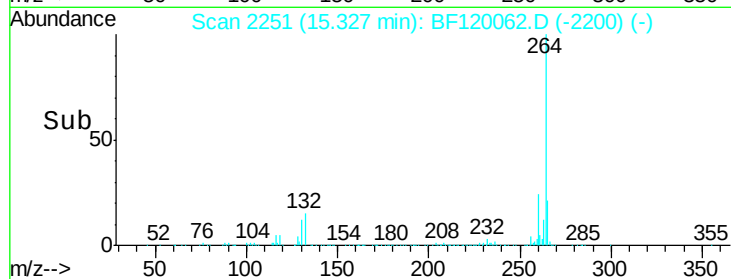
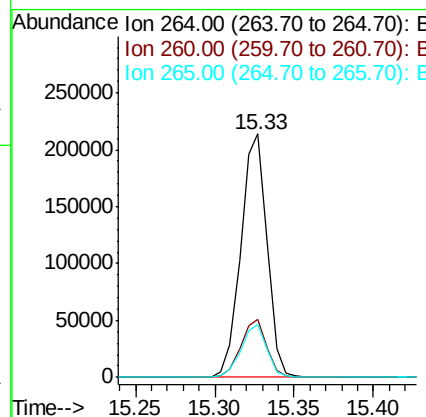
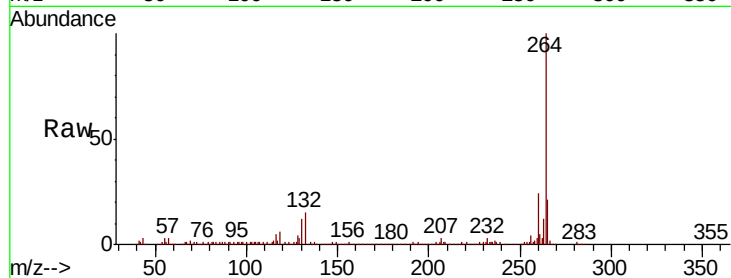
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.5	17.6	26.4

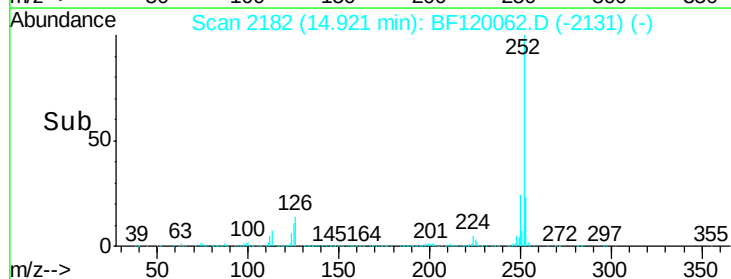
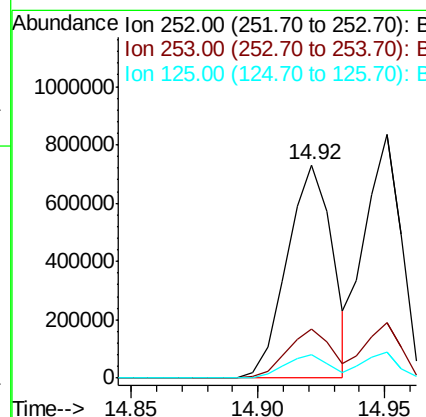
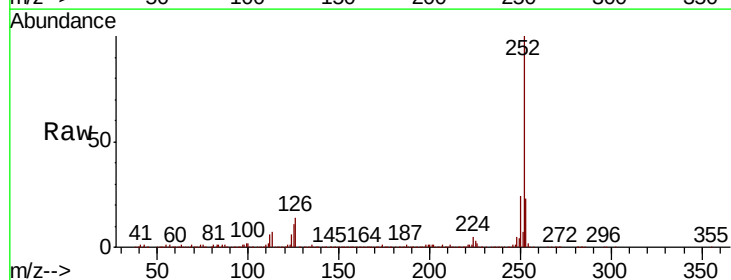
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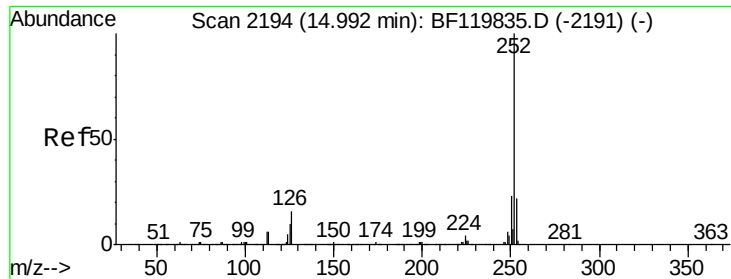
mohammad
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#88
Benzo(b)fluoranthene
Concen: 52.004 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.9	7.4	11.2





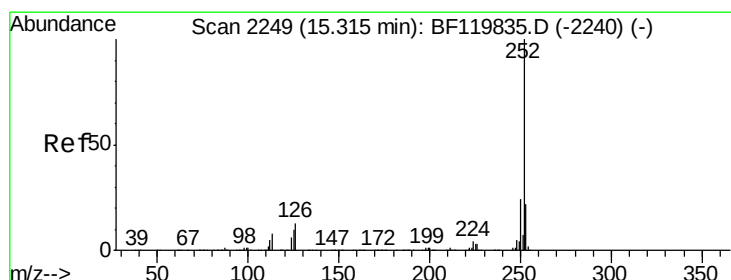
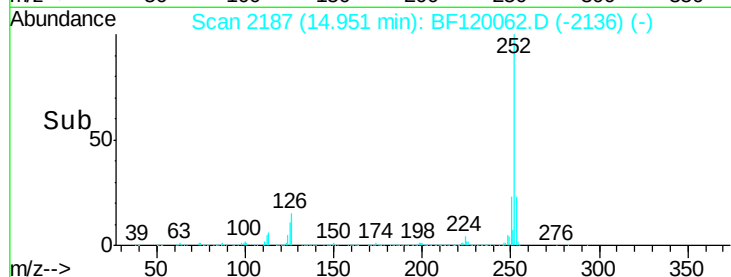
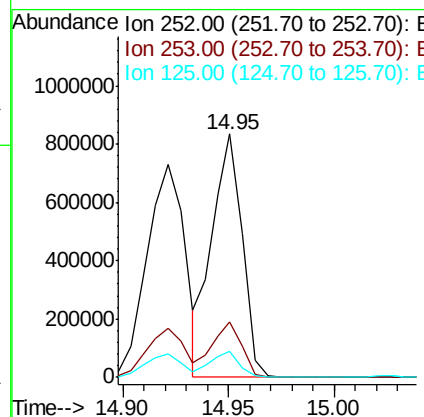
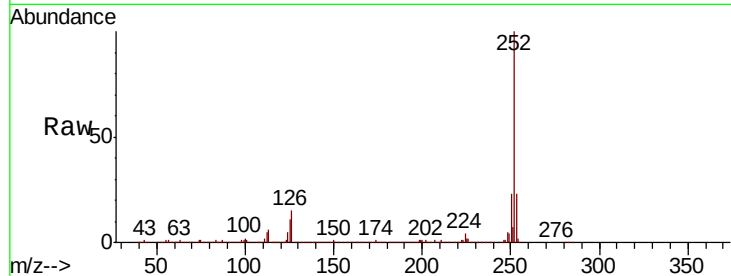
#89
Benzo(k)fluoranthene
Concen: 55.173 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
BG-4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.6	7.7	11.5

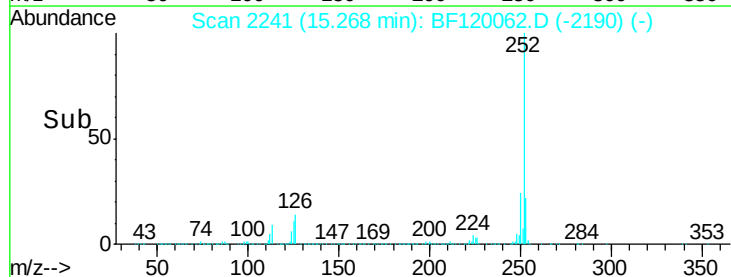
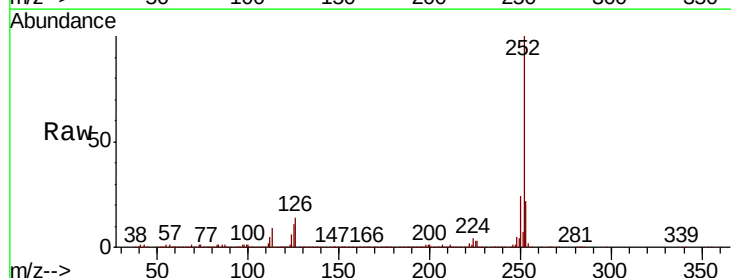
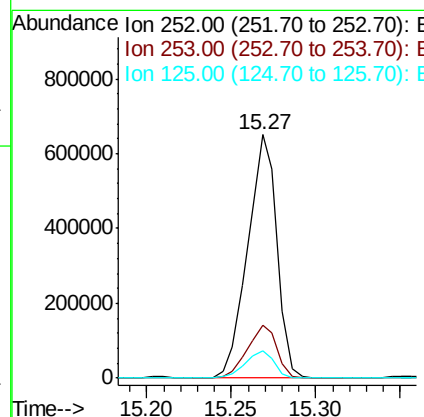
Manual Integrations
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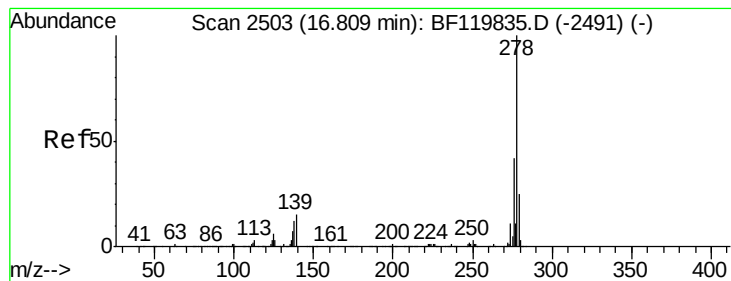
mohammad
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#90
Benzo(a)pyrene
Concen: 53.275 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF120062.D
Acq: 17 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.4	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 51.171 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Instrument :

BNA_F

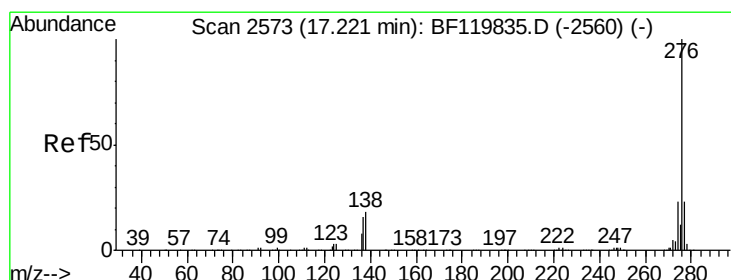
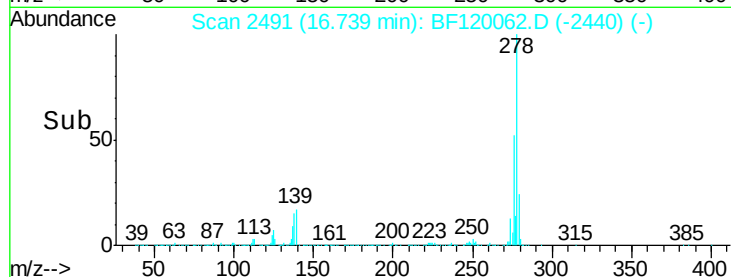
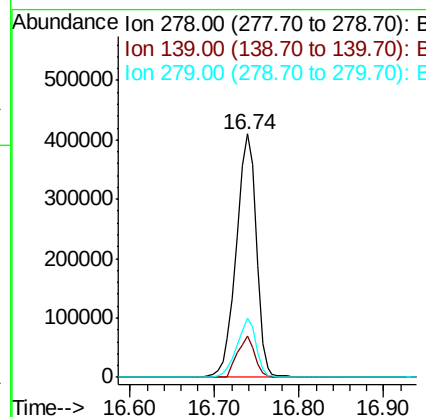
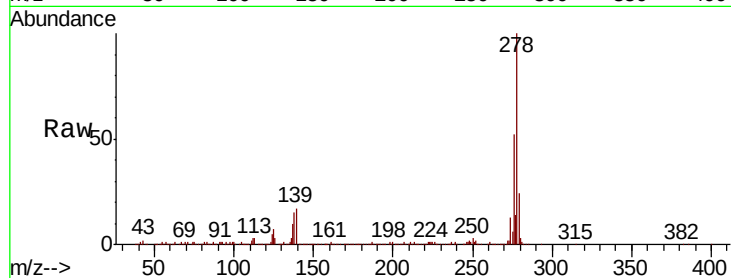
ClientSampled :

BG-4MSD

Tot Ion:	278	Resp:	666978
Ion Ratio	Lower	Upper	
278	100		
139	17.1	11.6	17.4
279	24.5	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/21/2020 8:22:36 AM



#92

Benzo(g,h,i)perylene

Concen: 48.754 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BF120062.D

Acq: 17 Apr 2020 16:36

Tgt Ion:	276	Resp:	627279
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.5	27.7
138	19.3	14.6	22.0

