

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF120011.D
 Acq On : 16 Apr 2020 00:10
 Operator : MA/SJ
 Sample : L2244-12MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Manual Integrations
 APPROVED

mohammad
 4/16/2020 12:52:57 PM

Quant Time: Apr 16 04:58:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 11:01:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	175204	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	678204	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	352479	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	669547	20.00	ng	0.00
76) Chrysene-d12	13.90	240	426643	20.00	ng	0.00
87) Perylene-d12	15.32	264	357457	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1670076	164.73	ng	0.01
7) Phenol-d6	6.37	99	2161913	165.49	ng	0.00
23) Nitrobenzene-d5	7.30	82	1364531	104.09	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	582492	134.98	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	2594599	104.51	ng	0.00
79) Terphenyl-d14	12.84	244	2750942	108.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	222046	49.174	ng	94
3) Pyridine	3.14	79	594767	48.008	ng	99
4) n-Nitrosodimethylamine	3.10	42	326261	51.543	ng	93
6) Aniline	6.39	93	659626	38.471	ng	99
8) 2-Chlorophenol	6.51	128	672021	59.327	ng	98
9) Benzaldehyde	6.27	77	302298	45.977	ng	97
10) Phenol	6.38	94	834731	56.324	ng	95
11) bis(2-Chloroethyl)ether	6.47	93	637531	55.714	ng	99
12) 1,3-Dichlorobenzene	6.67	146	664287	53.566	ng	98
13) 1,4-Dichlorobenzene	6.75	146	672612	53.244	ng	98
14) 1,2-Dichlorobenzene	6.90	146	626236	53.790	ng	98
15) Benzyl Alcohol	6.87	79	528665	52.104	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.01	45	1097564	49.290	ng	97
17) 2-Methylphenol	6.99	107	537392	53.160	ng	98
18) Hexachloroethane	7.24	117	257941	54.635	ng	95
19) n-Nitroso-di-n-propylamine	7.16	70	463169	55.137	ng	95
20) 3+4-Methylphenols	7.15	107	659628	53.353	ng	96
22) Acetophenone	7.14	105	882064	55.541	ng	# 98
24) Nitrobenzene	7.32	77	687283	52.115	ng	99
25) Isophorone	7.56	82	1307065	51.721	ng	99
26) 2-Nitrophenol	7.63	139	369445	56.073	ng	97
27) 2,4-Dimethylphenol	7.67	122	563292	56.687	ng	98
28) bis(2-Chloroethoxy)methane	7.77	93	822144	55.286	ng	100
29) 2,4-Dichlorophenol	7.87	162	553526	54.345	ng	99
30) 1,2,4-Trichlorobenzene	7.96	180	597125	51.740	ng	98
31) Naphthalene	8.03	128	1891767	53.017	ng	100
32) Benzoic acid	7.79	122	219376	25.138	ng	100
33) 4-Chloroaniline	8.08	127	293202	18.875	ng	99
34) Hexachlorobutadiene	8.15	225	342703	49.606	ng	99
35) Caprolactam	8.47	113	152285m	48.877	ng	
36) 4-Chloro-3-methylphenol	8.58	107	599549	54.369	ng	94
37) 2-Methylnaphthalene	8.73	142	1298304	53.668	ng	99
38) 1-Methylnaphthalene	8.83	142	1222332	53.607	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	576511	51.785	ng	99

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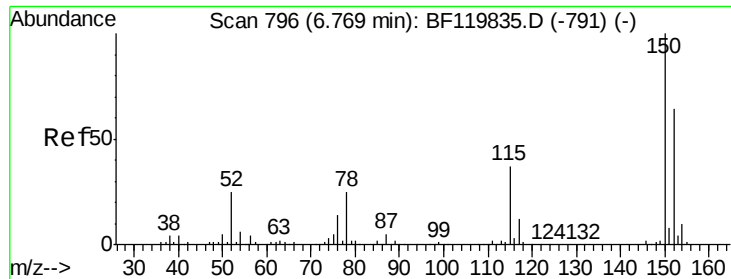
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	586167	92.594	nq	99
43) 2,4,6-Trichlorophenol	9.01	196	414704	53.944	nq	99
44) 2,4,5-Trichlorophenol	9.05	196	427660	49.391	nq	97
46) 1,1'-Biphenyl	9.19	154	1564295	52.579	nq	98
47) 2-Chloronaphthalene	9.22	162	1214939	53.011	nq	98
48) 2-Nitroaniline	9.32	65	424243	51.080	nq	97
49) Acenaphthylene	9.63	152	1863374	53.461	nq	99
50) Dimethylphthalate	9.50	163	1591368	58.369	nq	99
51) 2,6-Dinitrotoluene	9.56	165	314810	52.729	nq	88
52) Acenaphthene	9.80	154	1123909	48.339	nq	99
53) 3-Nitroaniline	9.73	138	183255	26.876	nq	97
54) 2,4-Dinitrophenol	9.83	184	125244	35.039	nq	95
55) Dibenzofuran	9.98	168	1656494	51.918	nq	99
56) 4-Nitrophenol	9.90	139	497563	98.072	nq	92
57) 2,4-Dinitrotoluene	9.97	165	412930	52.496	nq	96
58) Fluorene	10.32	166	1285866	50.393	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	348043	52.557	nq	98
60) Diethylphthalate	10.20	149	1440994	50.996	nq	100
61) 4-Chlorophenyl-phenylether	10.32	204	619949	47.403	nq	98
62) 4-Nitroaniline	10.35	138	330470	50.855	nq	97
63) Azobenzene	10.47	77	1371076	54.142	nq	98
65) 4,6-Dinitro-2-methylphenol	10.37	198	131610	29.837	nq	90
66) n-Nitrosodiphenylamine	10.44	169	1189975	53.441	nq	98
67) 4-Bromophenyl-phenylether	10.80	248	393445	47.252	nq	96
68) Hexachlorobenzene	10.87	284	418829	49.584	nq	99
69) Atrazine	10.97	200	355559	57.391	nq	98
70) Pentachlorophenol	11.06	266	353474	72.615	nq	99
71) Phenanthrene	11.28	178	1858373	52.152	nq	98
72) Anthracene	11.33	178	1920763	52.765	nq	99
73) Carbazole	11.49	167	1747946	50.776	nq	99
74) Di-n-butylphthalate	11.83	149	2244311	49.593	nq	99
75) Fluoranthene	12.47	202	2006424	52.185	nq	99
77) Benzidine	12.59	184	819891	56.851	nq	97
78) Pyrene	12.70	202	1971097	54.803	nq	99
80) Butylbenzylphthalate	13.32	149	914437	52.396	nq	100
81) Benzo(a)anthracene	13.89	228	1485904	52.941	nq	99
82) 3,3'-Dichlorobenzidine	13.85	252	272249	25.996	nq	96
83) Chrysene	13.93	228	1547887	54.276	nq	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	1175980	49.758	nq	100
85) Di-n-octyl phthalate	14.50	149	1978428	49.165	nq	98
86) Indeno(1,2,3-cd)pyrene	16.70	276	1269807	50.511	nq	98
88) Benzo(b)fluoranthene	14.91	252	1402906m	54.557	nq	
89) Benzo(k)fluoranthene	14.94	252	1185998m	53.455	nq	
90) Benzo(a)pyrene	15.26	252	1159433	53.626	nq	100
91) Dibenzo(a,h)anthracene	16.72	278	1055880	55.133	nq	# 96
92) Benzo(g,h,i)perylene	17.13	276	1054255	55.767	nq	97

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



#1

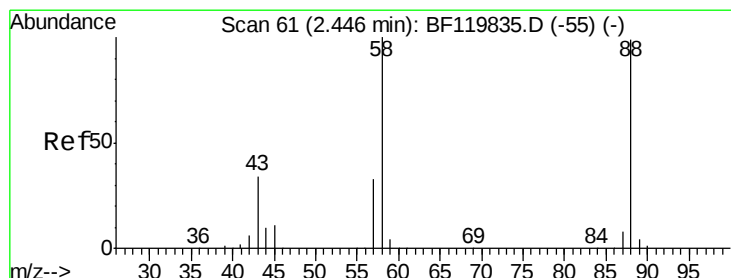
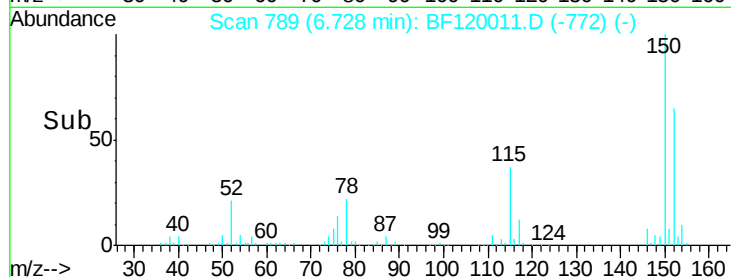
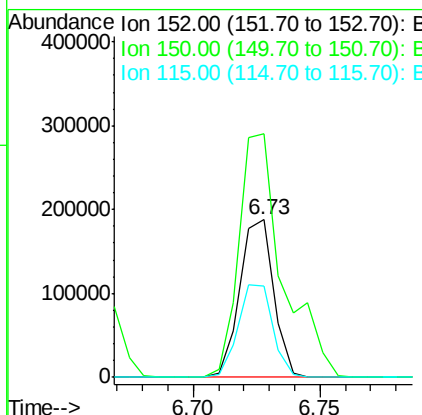
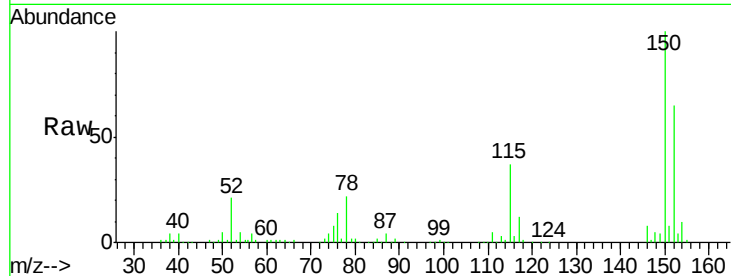
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.8	187.2
115	58.0	46.5	69.7

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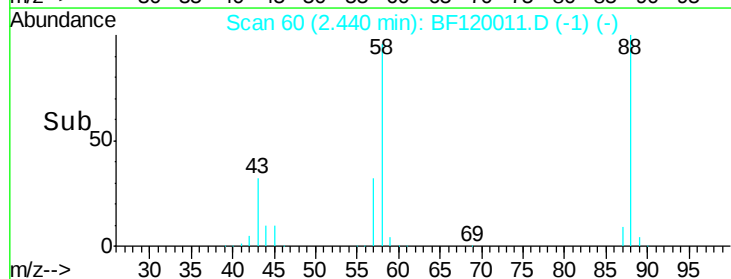
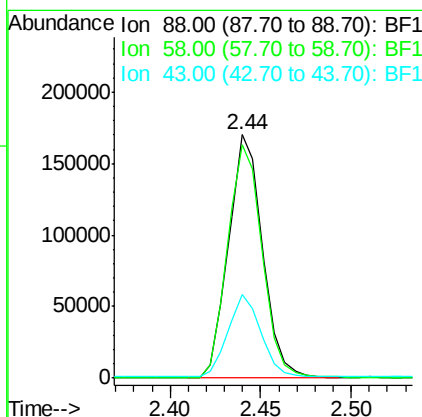
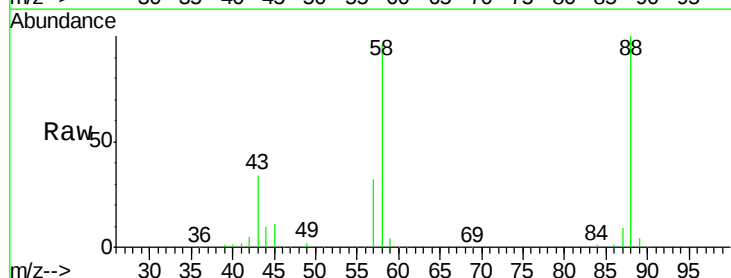
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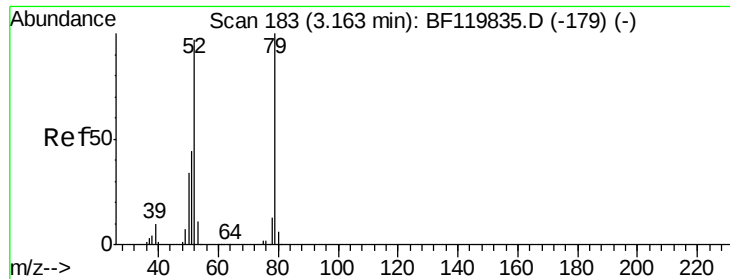


#2

1,4-Dioxane
Concen: 49.174 ng
RT: 2.44 min Scan# 60
Delta R.T. 0.06 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.0	82.6	123.8
43	33.0	28.6	42.8





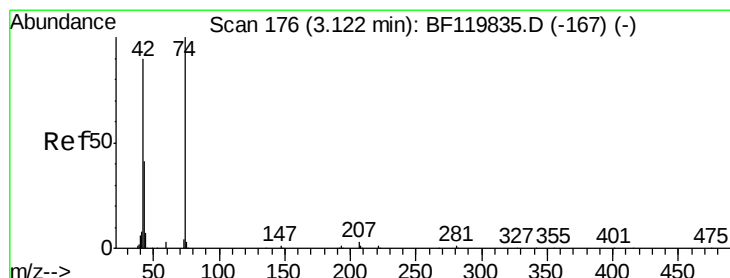
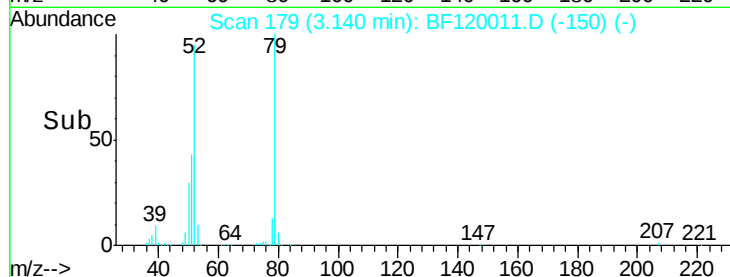
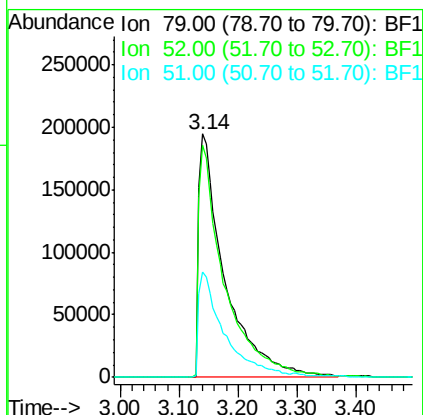
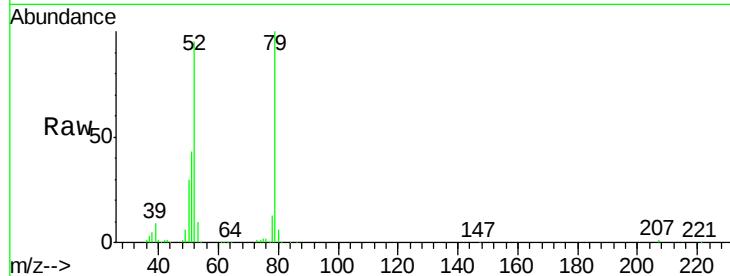
#3
 Pvridine
 Concen: 48.008 ng
 RT: 3.14 min Scan# 179
 Delta R.T. 0.07 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	95.1	77.4	116.0
51	51	43.4	35.3	52.9

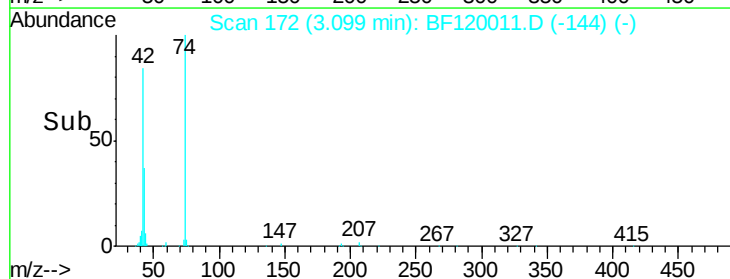
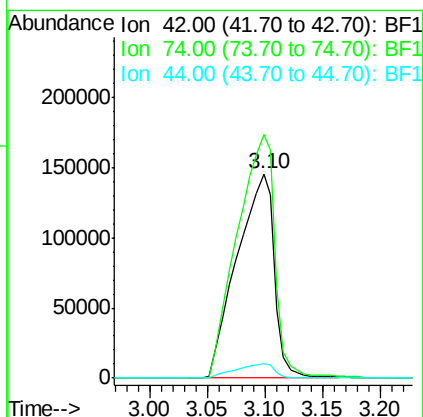
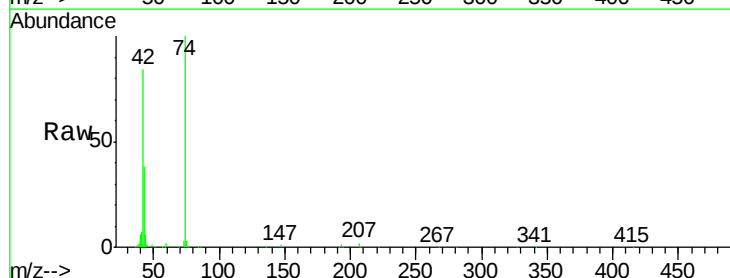
Manual Integrations
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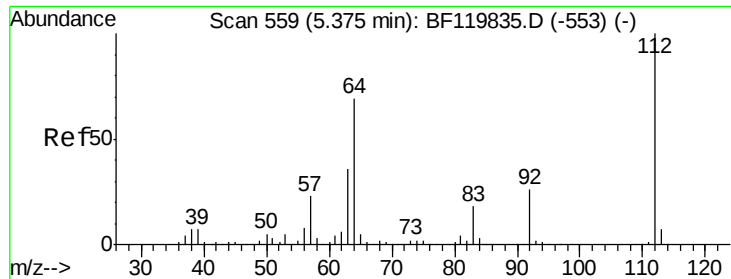
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#4
 n-Nitrosodimethylamine
 Concen: 51.543 ng
 RT: 3.10 min Scan# 172
 Delta R.T. 0.06 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	119.3	89.0	133.4
44	44	7.3	6.2	9.4





#5

2-Fluorophenol

Concen: 164.734 ng

RT: 5.34 min Scan# 553

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion: 112 Resp: 1670076

Ion Ratio Lower Upper

112 100

64 69.0 55.5 83.3

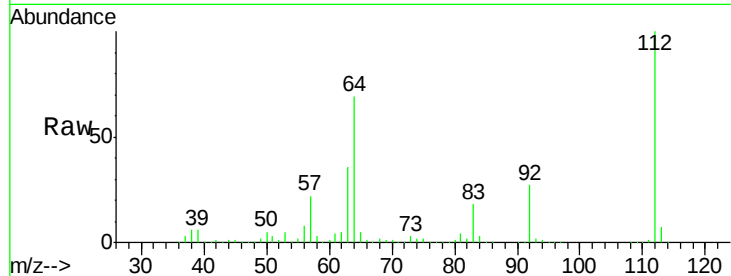
63 36.1 29.1 43.7

Manual Integrations

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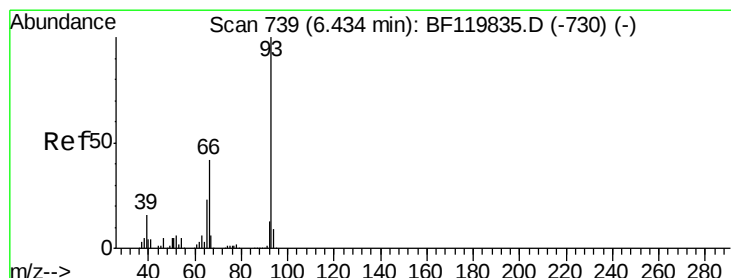
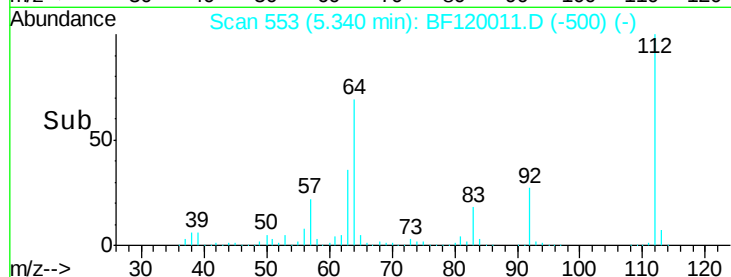
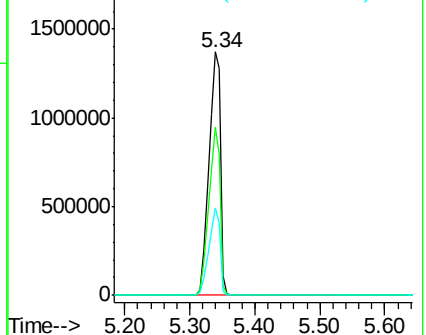
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 38.471 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

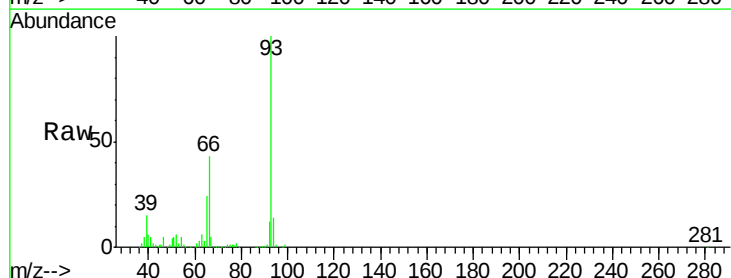
Tgt Ion: 93 Resp: 659626

Ion Ratio Lower Upper

93 100

66 43.4 34.2 51.2

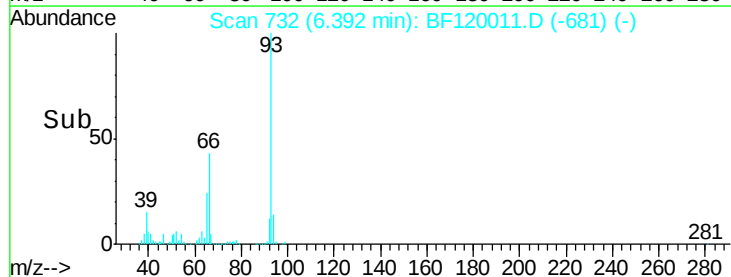
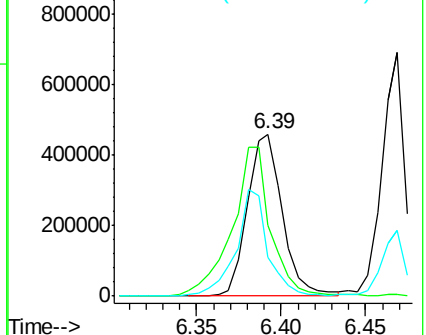
65 23.8 18.3 27.5



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 165.494 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion: 99 Resp: 2161913

Ion Ratio Lower Upper

99 100

42 19.3 16.9 25.3

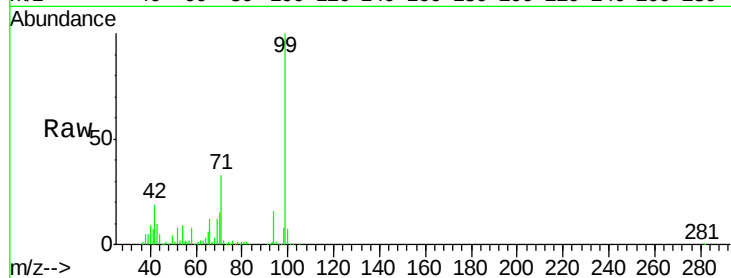
71 32.6 26.3 39.5

Manual Integrations

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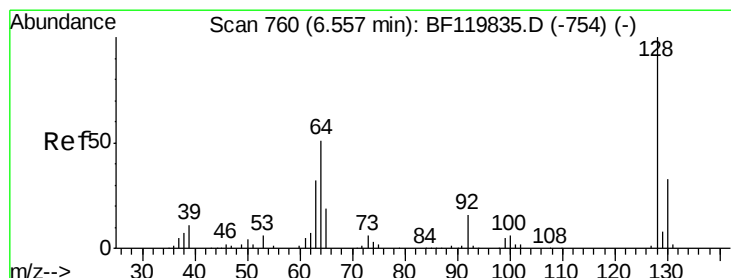
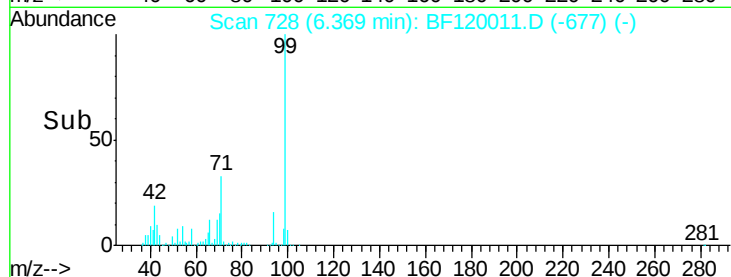
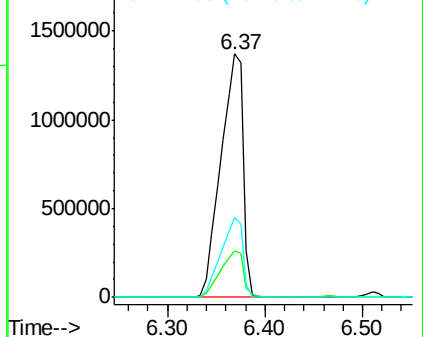
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 59.327 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

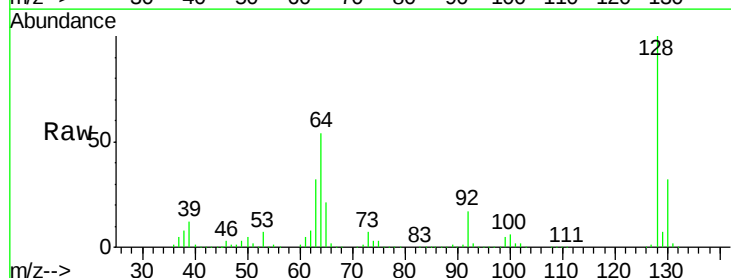
Tgt Ion: 128 Resp: 672021

Ion Ratio Lower Upper

128 100

130 32.3 12.6 52.6

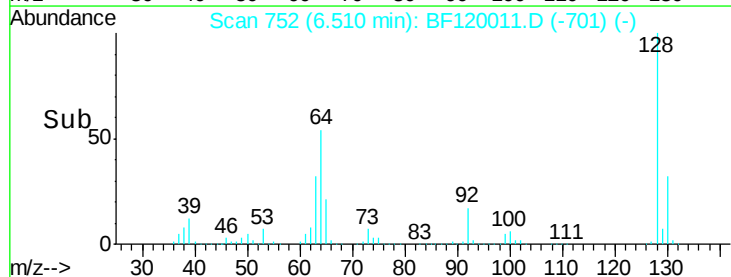
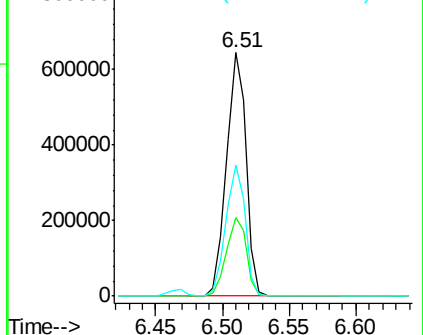
64 53.6 32.0 72.0

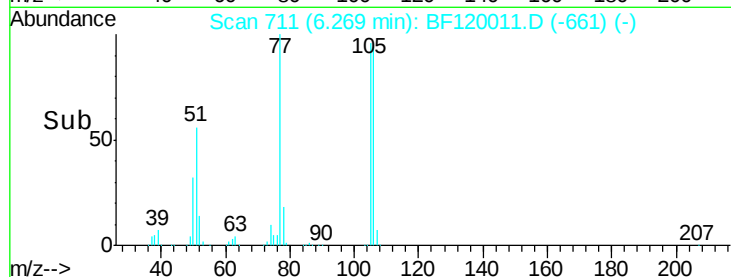
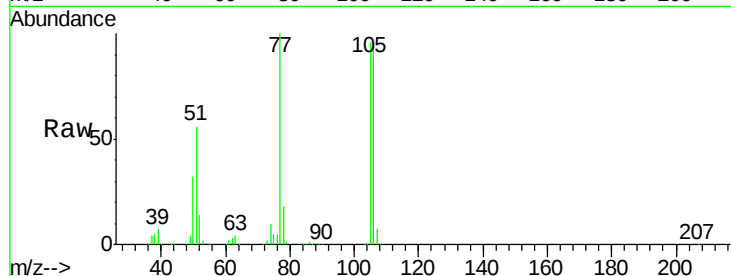
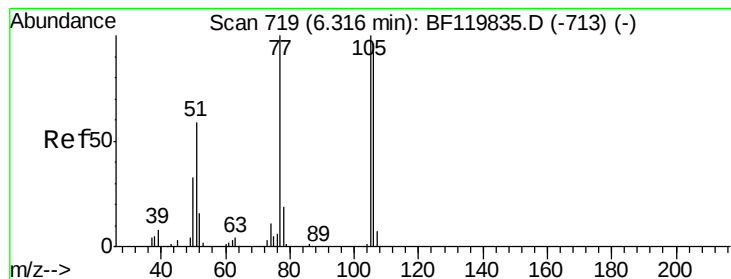


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 45.977 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120011.D

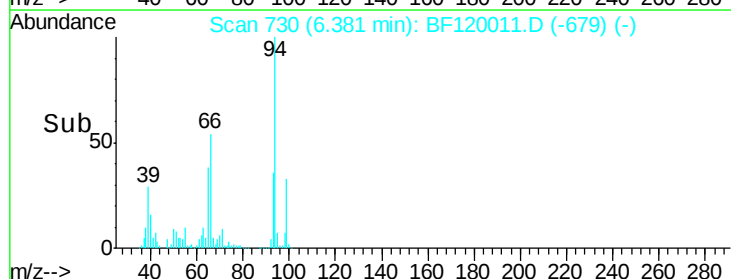
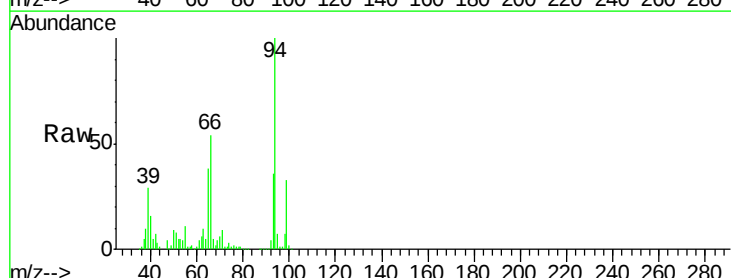
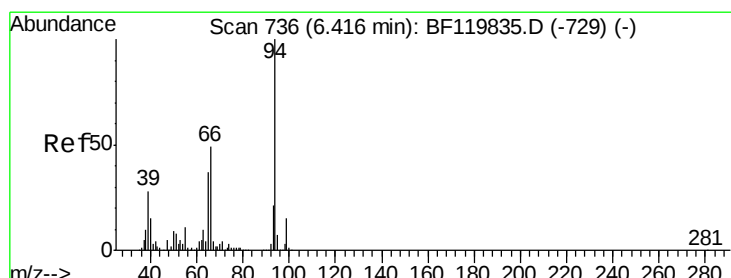
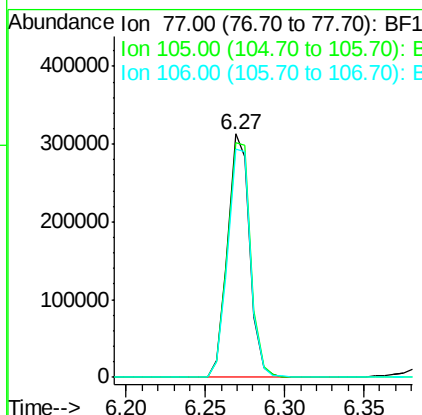
Acq: 16 Apr 2020 00:10

Tot Ion:	77	Resp:	302298
Ion Ratio	Lower	Upper	
77	100		
105	96.1	79.9	119.9
106	93.8	76.4	116.4

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

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#10

Phenol

Concen: 56.324 ng

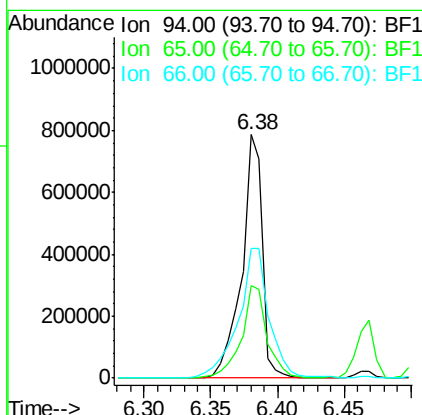
RT: 6.38 min Scan# 730

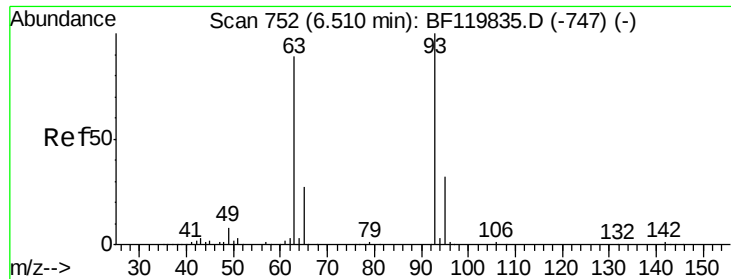
Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:	94	Resp:	834731
Ion Ratio	Lower	Upper	
94	100		
65	38.3	16.6	56.6
66	53.5	29.3	69.3





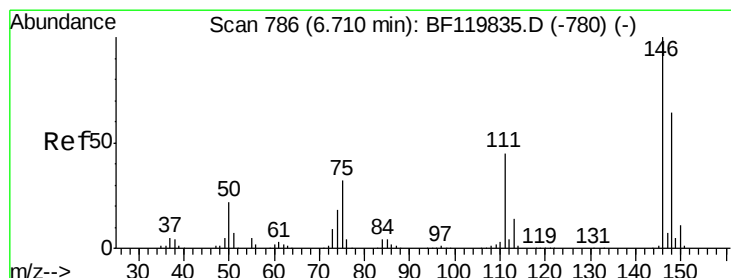
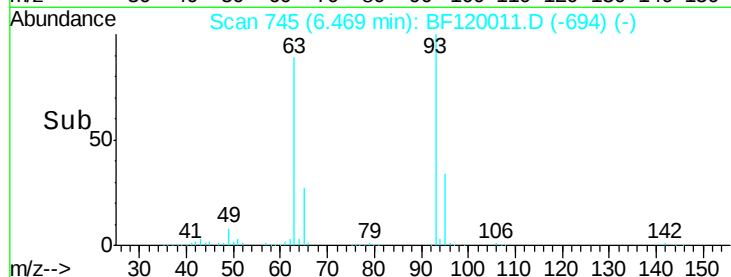
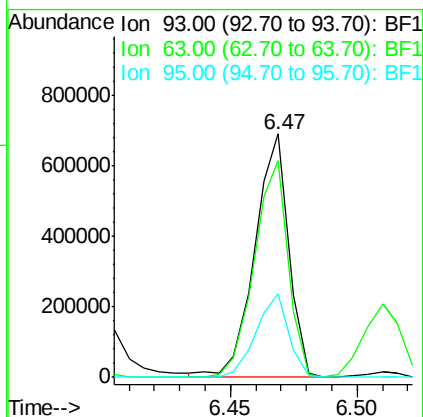
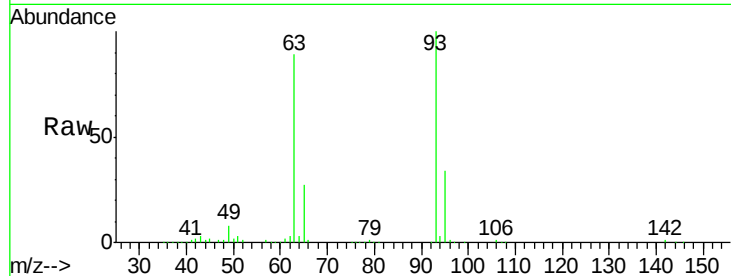
#11
bis(2-Chloroethyl)ether
Concen: 55.714 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion:	93	Resp:	637531
Ion Ratio	Lower	Upper	
93	100		
63	88.9	69.1	109.1
95	34.2	12.3	52.3

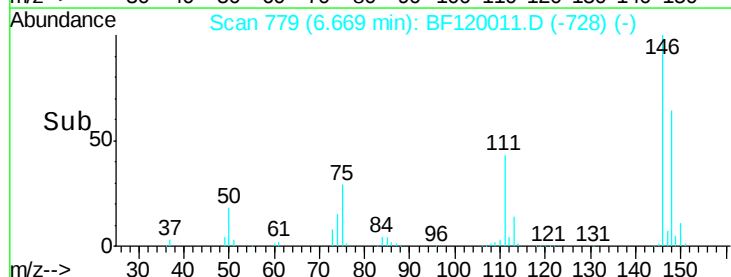
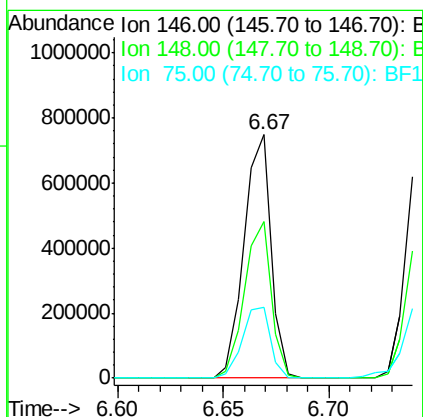
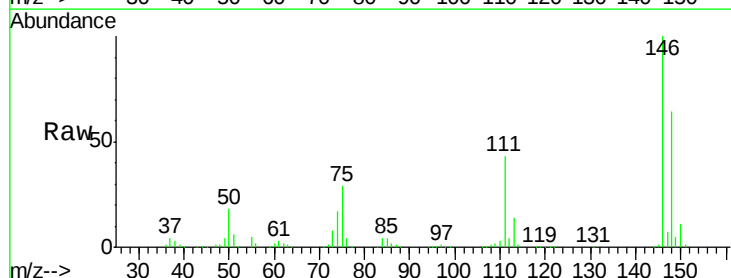
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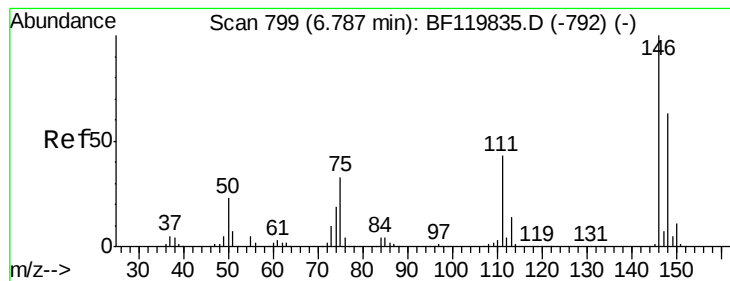
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#12
1,3-Dichlorobenzene
Concen: 53.566 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion:	146	Resp:	664287
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.3	76.9
75	29.2	25.3	37.9





#13

1,4-Dichlorobenzene

Concen: 53.244 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

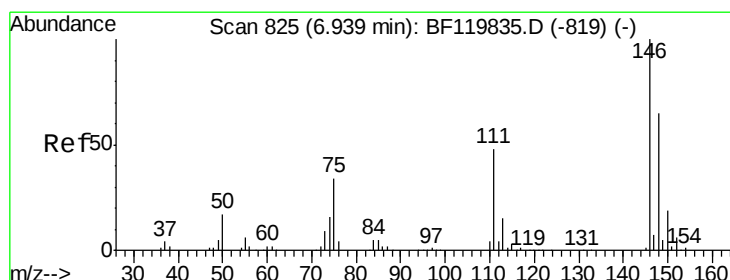
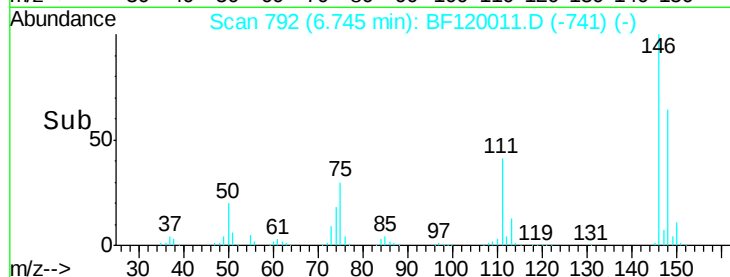
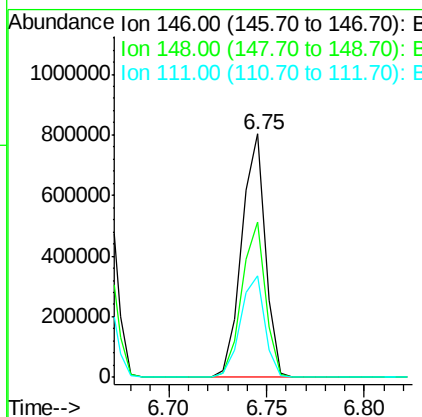
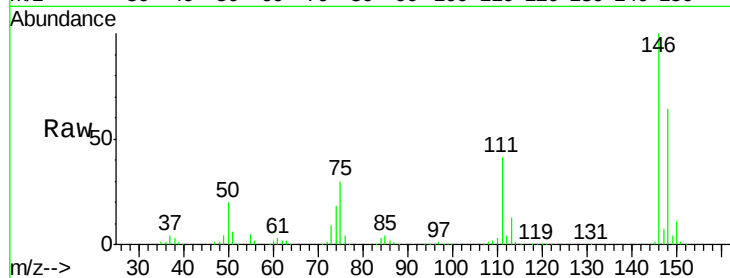
ClientSampleId :

TP-23-22-COMPMS

Tot Ion:	146	Resp:	672612
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.5	75.7
111	41.5	34.7	52.1

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#14

1,2-Dichlorobenzene

Concen: 53.790 ng

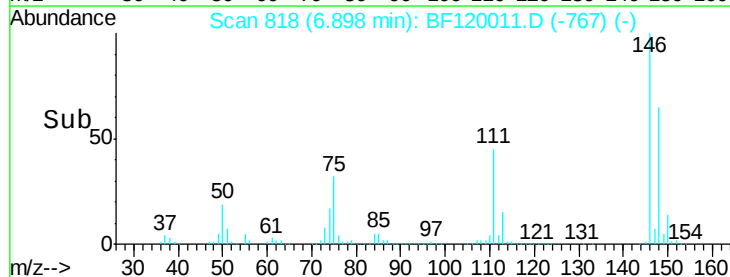
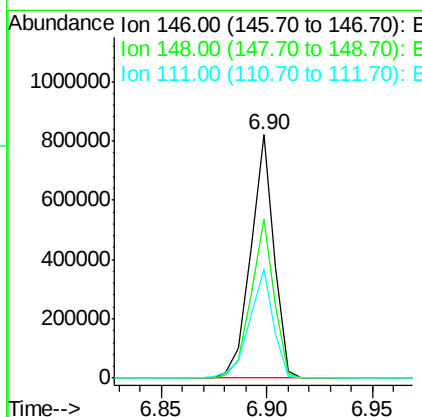
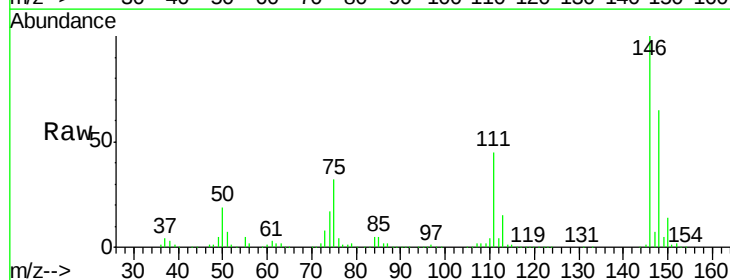
RT: 6.90 min Scan# 818

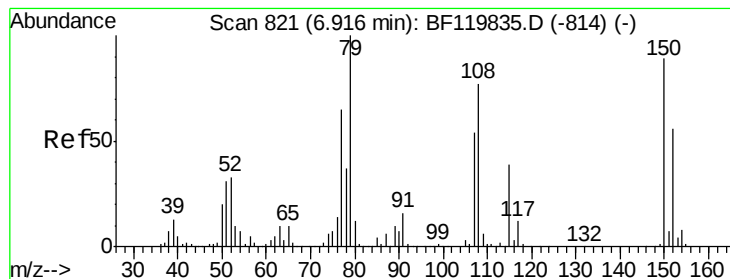
Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:	146	Resp:	626236
Ion Ratio	Lower	Upper	
146	100		
148	65.2	51.8	77.8
111	45.0	38.0	57.0





#15

Benzyl Alcohol

Concen: 52.104 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion: 79 Resp: 528665

Ion Ratio Lower Upper

79 100

108 79.5 62.0 93.0

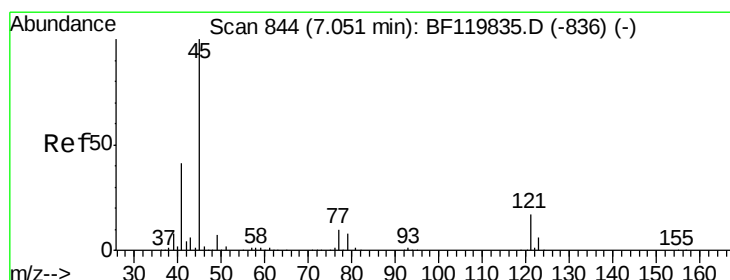
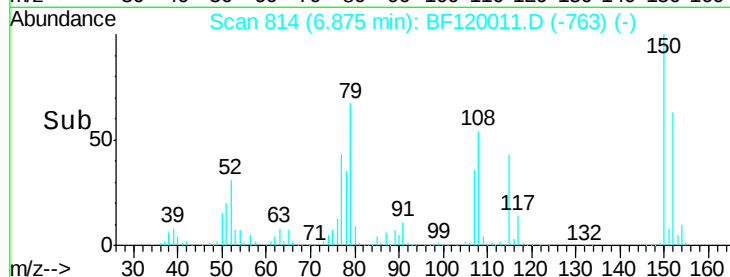
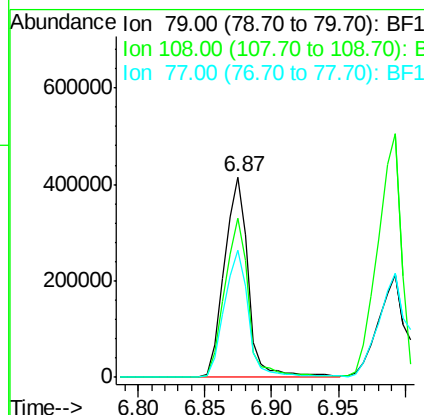
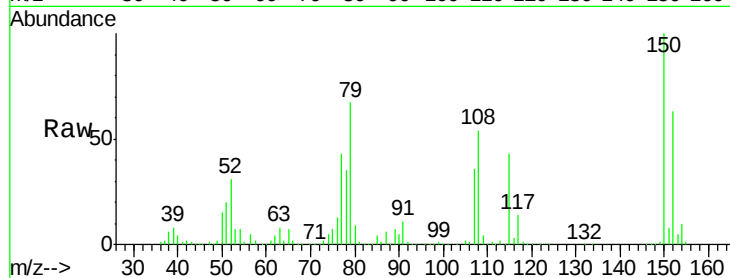
77 63.8 51.8 77.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.290 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

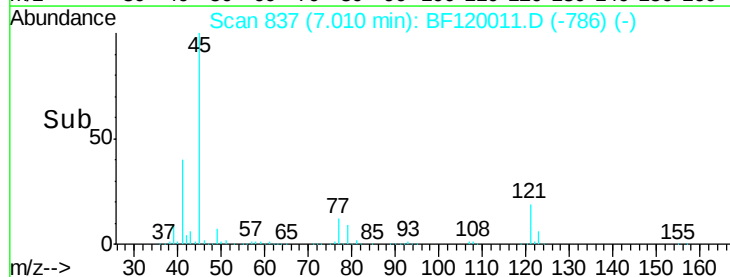
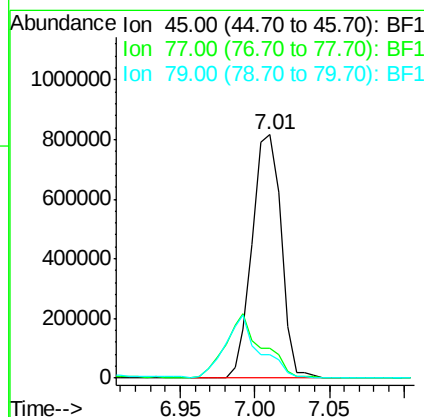
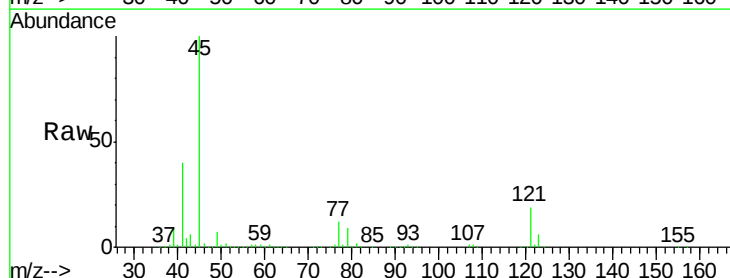
Tgt Ion: 45 Resp: 1097564

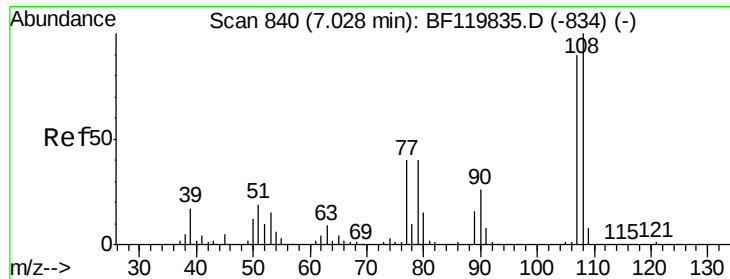
Ion Ratio Lower Upper

45 100

77 12.1 0.0 30.7

79 9.5 0.0 28.6





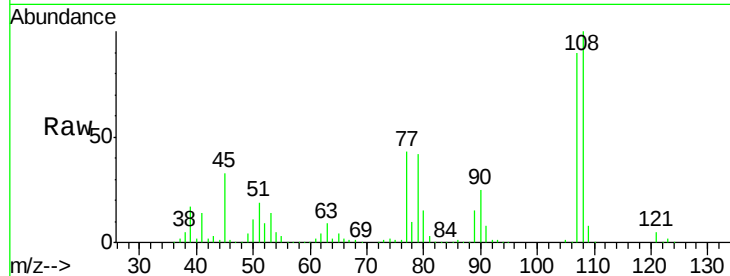
#17
2-Methylphenol
Concen: 53.160 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

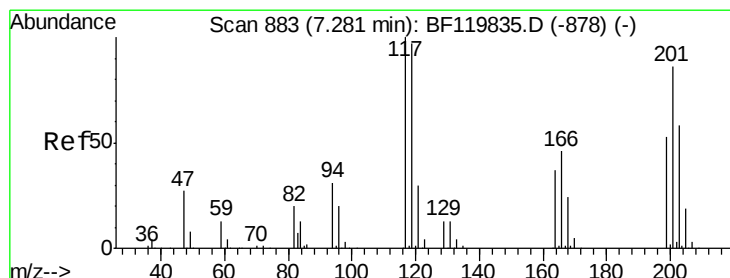
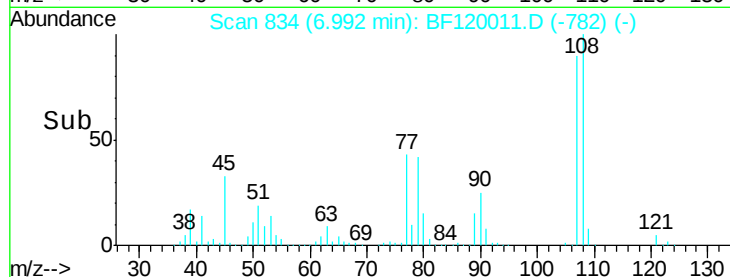
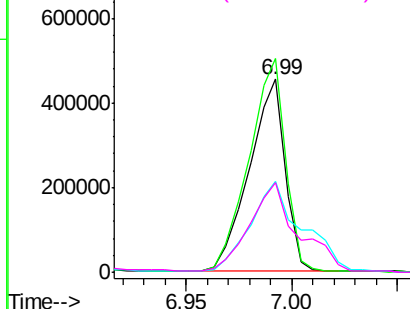
Tot Ion	Ratio	Resp	Lower	Upper
107	100	537392		
108	110.8	88.8	133.2	
77	47.3	36.0	54.0	
79	46.7	35.7	53.5	

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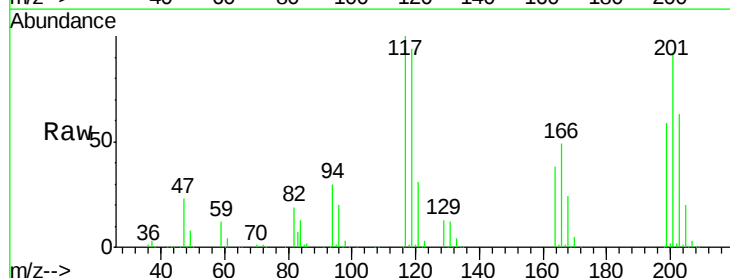


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

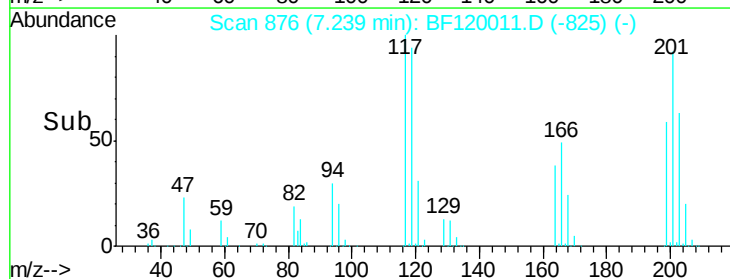
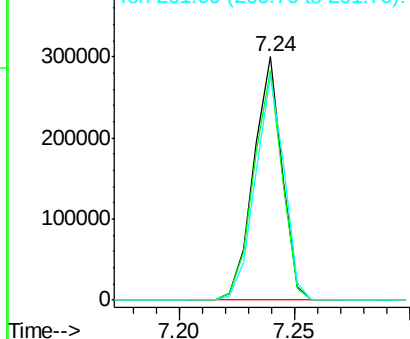


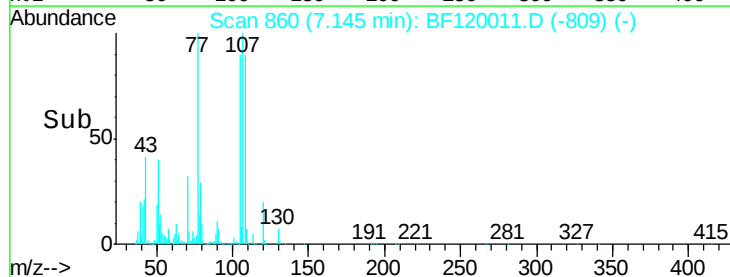
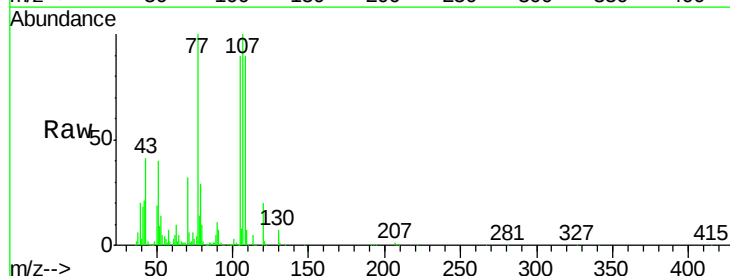
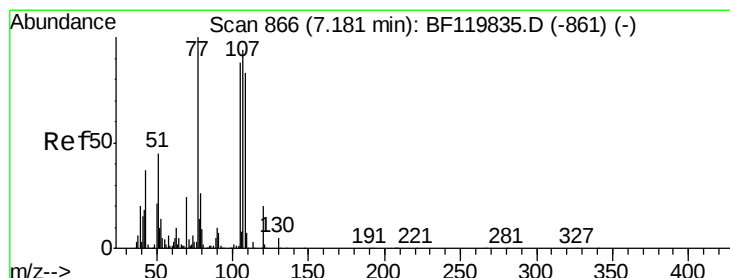
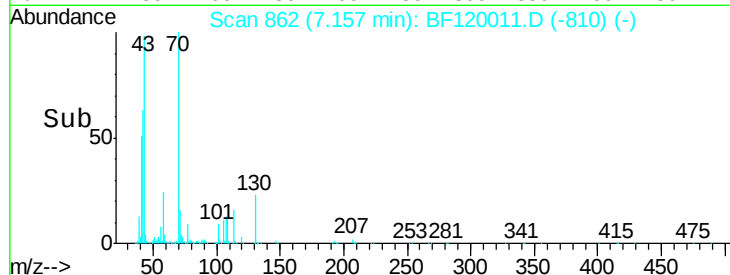
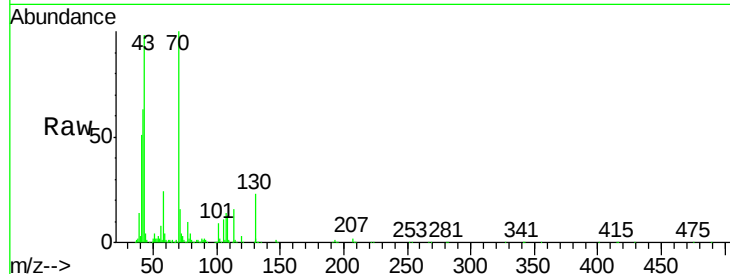
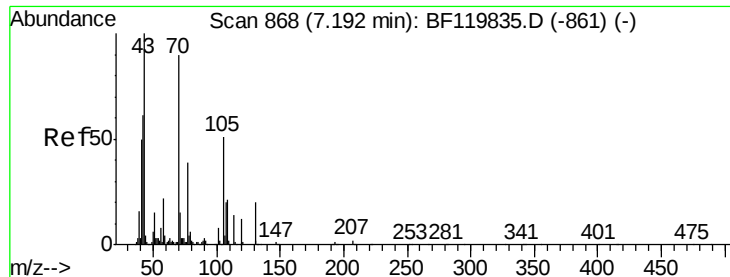
#18
Hexachloroethane
Concen: 54.635 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	257941		
119	94.1	77.4	116.0	
201	92.2	68.4	102.6	



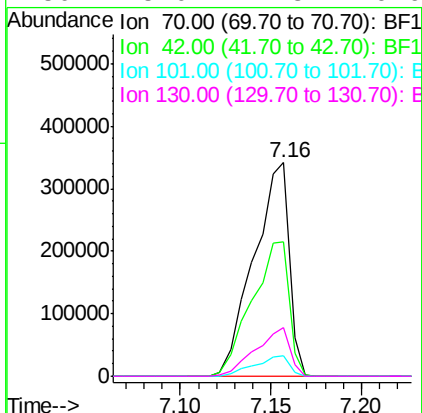
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 55.137 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	62.8	54.2	81.4	
101	9.5	7.4	11.2	
130	23.0	17.8	26.6	



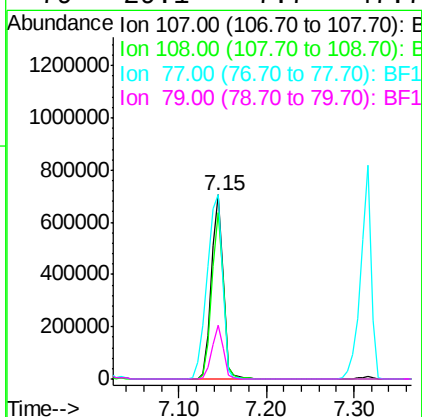
Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

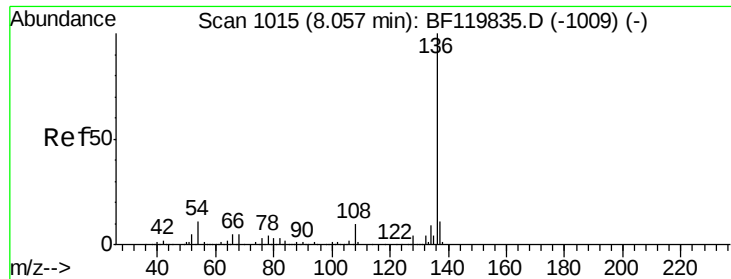
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#20
3+4-Methylphenols
Concen: 53.353 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.7	68.2	108.2	
77	100.4	86.6	126.6	
79	29.1	7.7	47.7	





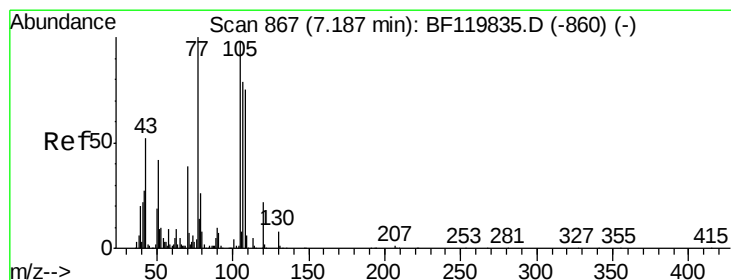
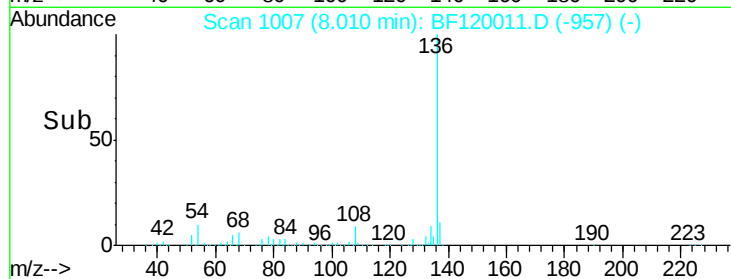
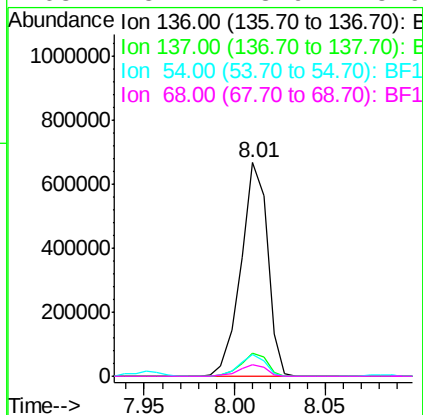
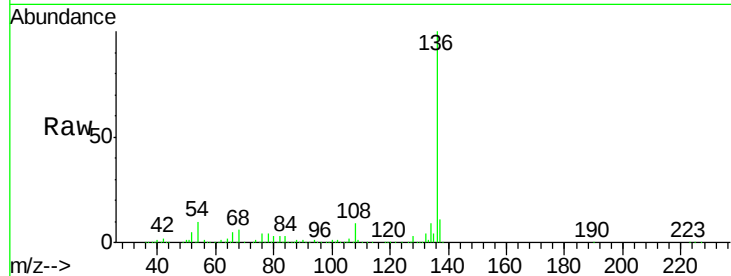
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		678204		
137	11.1	8.7	13.1		
54	10.4	8.5	12.7		
68	5.7	3.9	5.9		

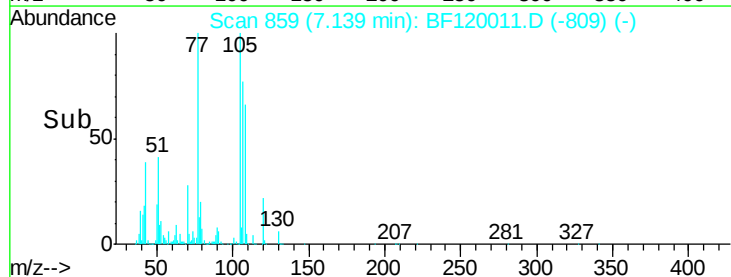
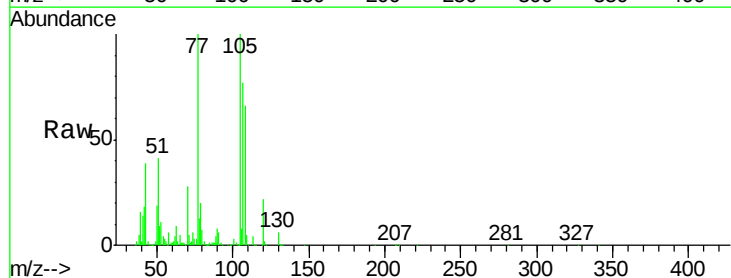
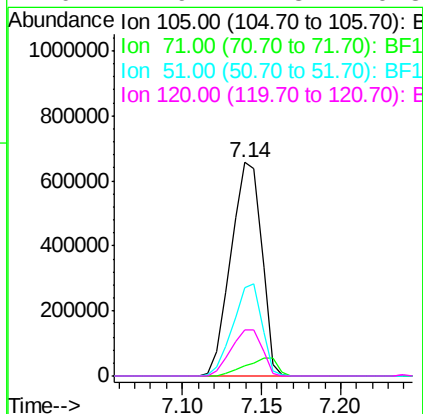
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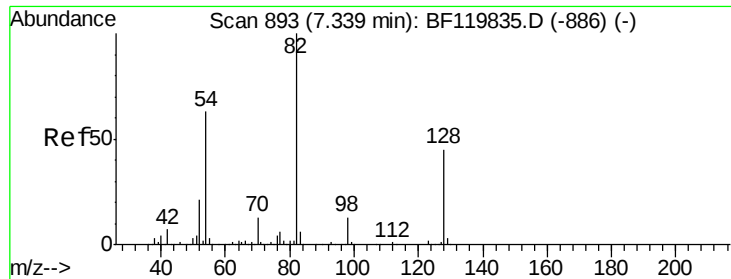
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#22
Acetophenone
Concen: 55.541 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		882064		
71	5.0	5.6	8.4#		
51	41.1	33.9	50.9		
120	21.9	17.8	26.8		





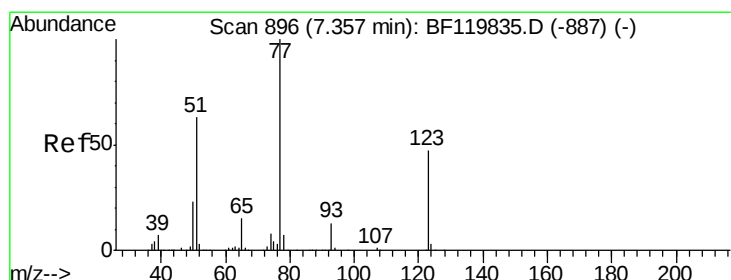
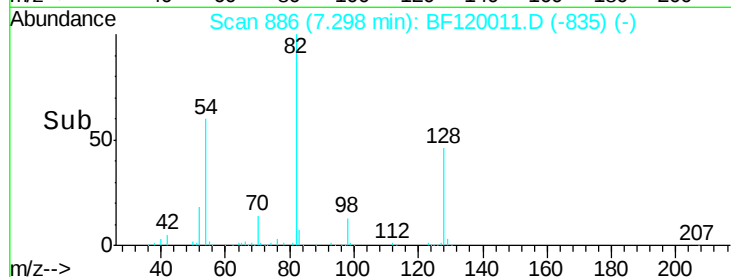
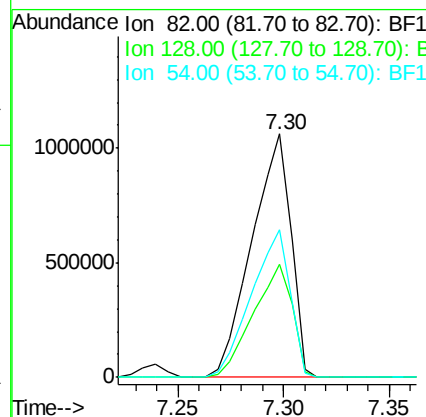
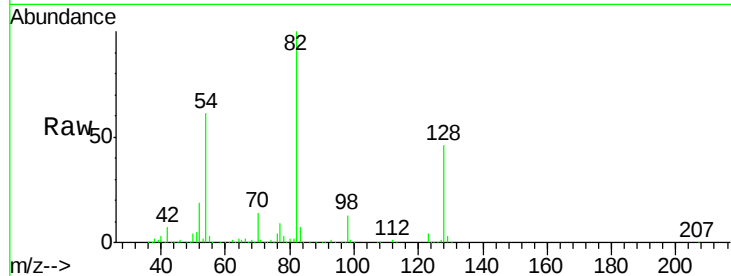
#23
 Nitrobenzene-d5
 Concen: 104.087 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion: 82 Resp: 1364531
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.2 54.4
 54 60.8 50.4 75.6

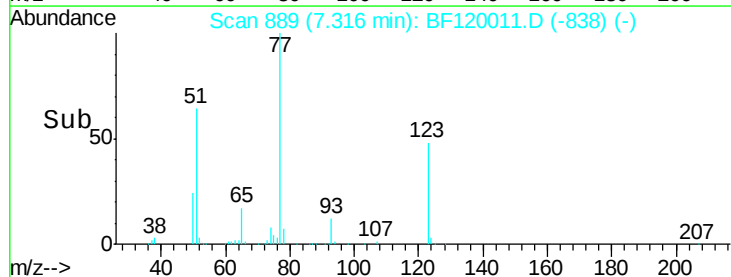
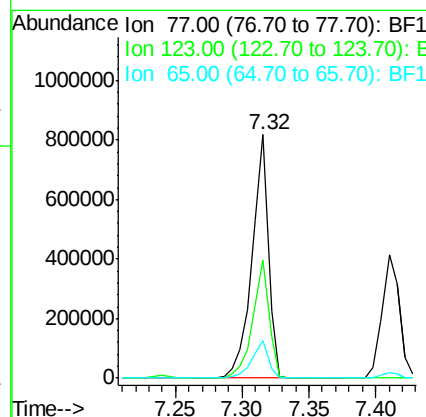
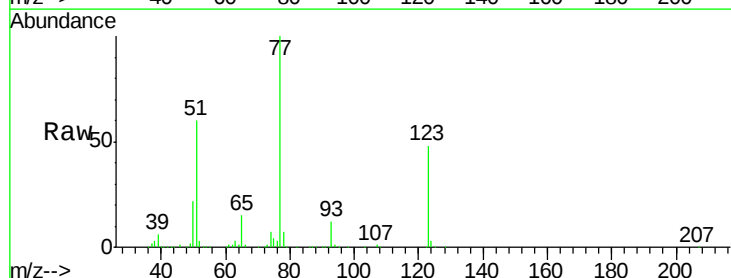
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#24
 Nitrobenzene
 Concen: 52.115 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion: 77 Resp: 687283
 Ion Ratio Lower Upper
 77 100
 123 48.3 37.8 56.8
 65 15.4 12.2 18.2





#25

Isophorone

Concen: 51.721 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion: 82 Resp: 1307065

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

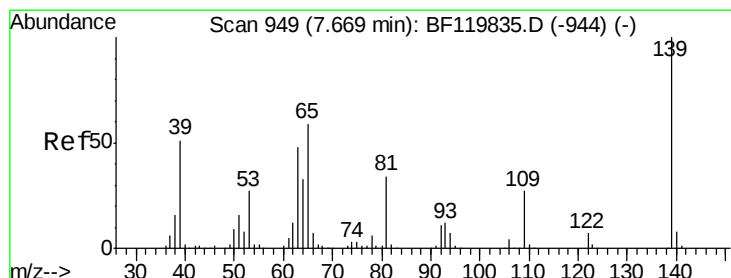
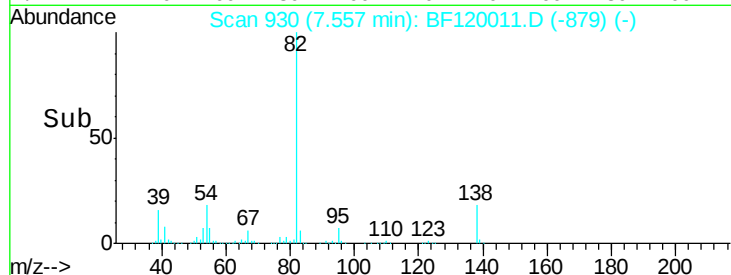
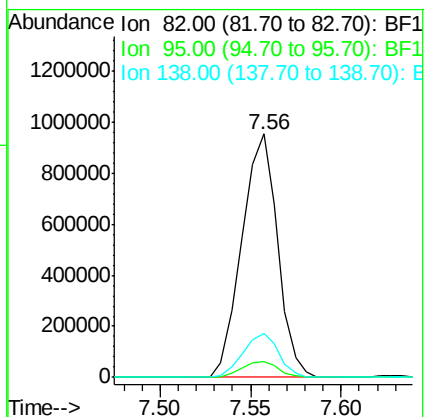
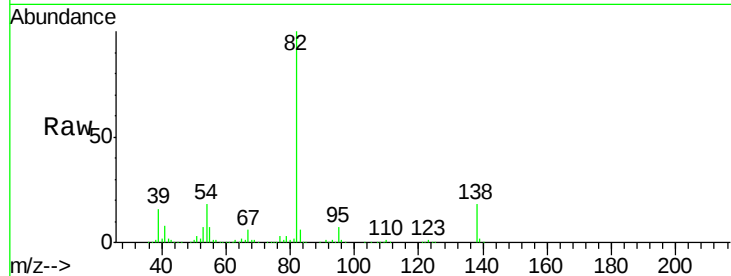
138 18.2 14.5 21.7

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#26

2-Nitrophenol

Concen: 56.073 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

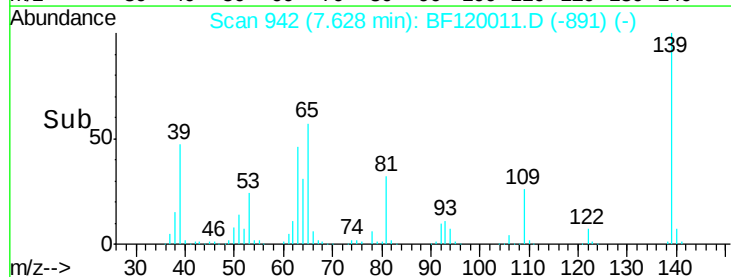
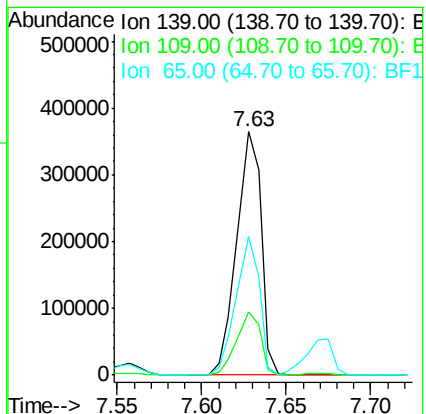
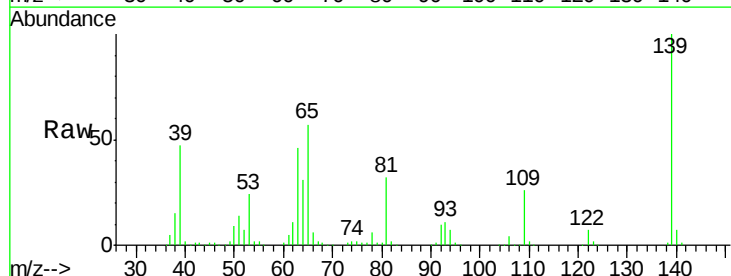
Tgt Ion: 139 Resp: 369445

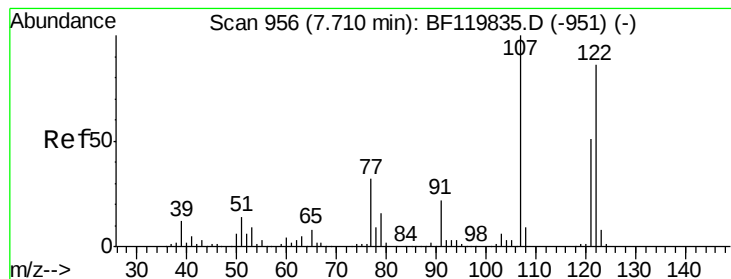
Ion Ratio Lower Upper

139 100

109 26.0 21.8 32.6

65 56.8 47.0 70.4





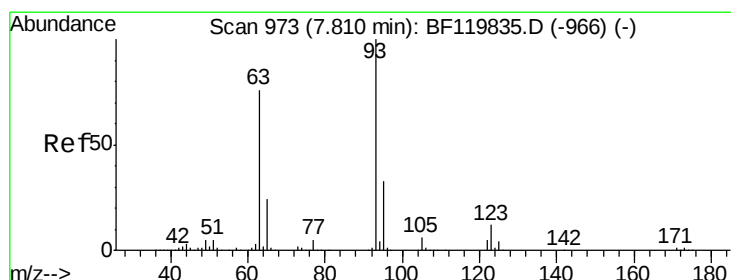
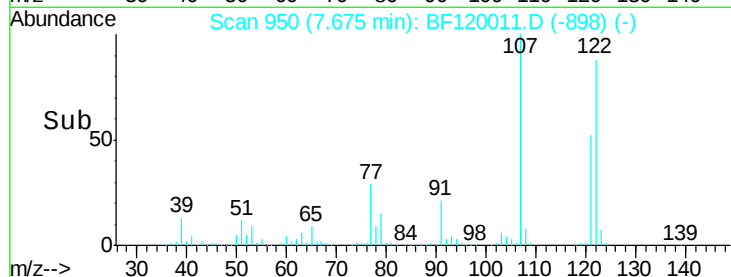
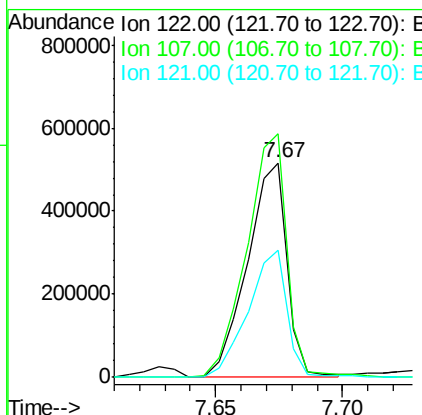
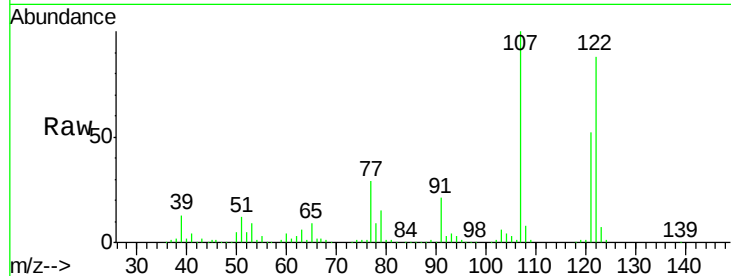
#27
2,4-Dimethylphenol
Concen: 56.687 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.6	92.3	138.5
121	59.5	46.6	70.0

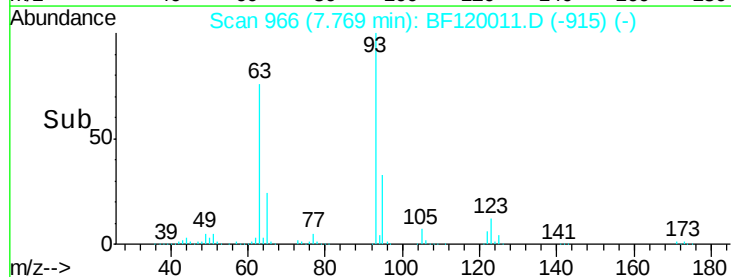
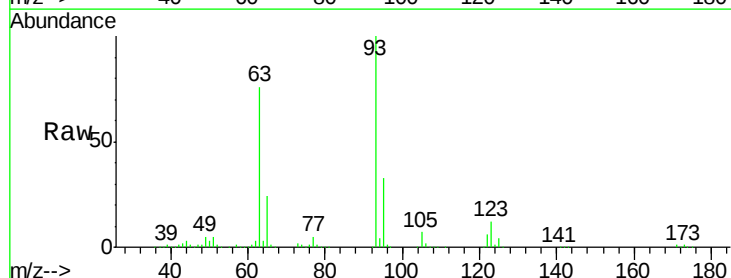
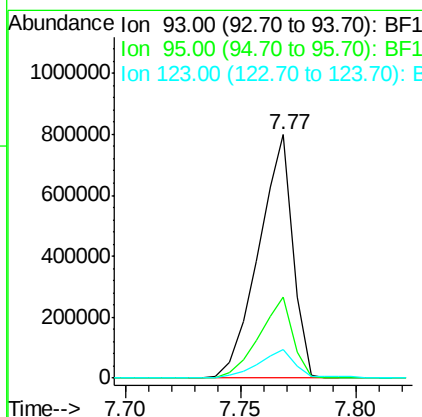
Manual Integrations
APPROVED

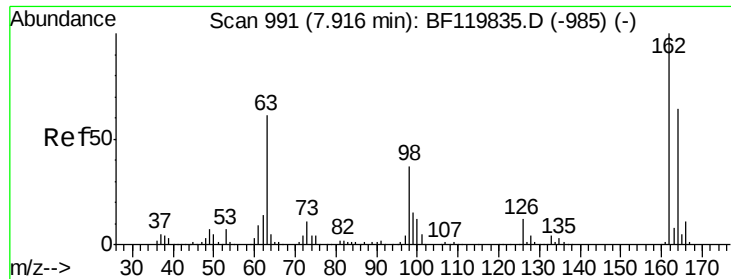
mohammad
4/16/2020 12:52:57 PM



#28
bis(2-Chloroethoxy)methane
Concen: 55.286 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.4	39.6
123	11.9	9.7	14.5





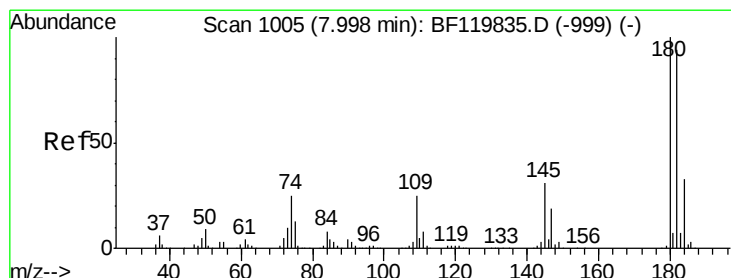
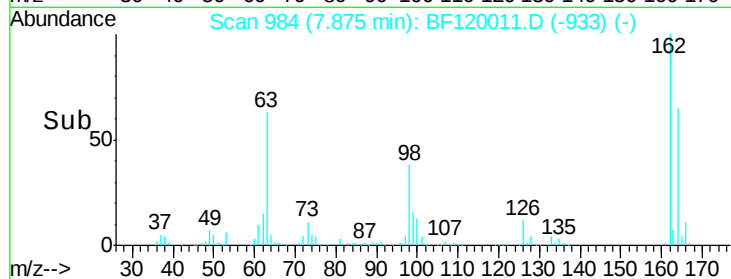
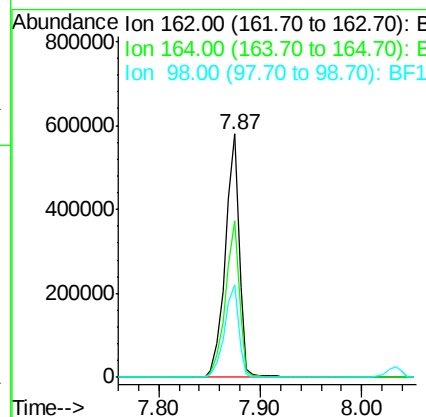
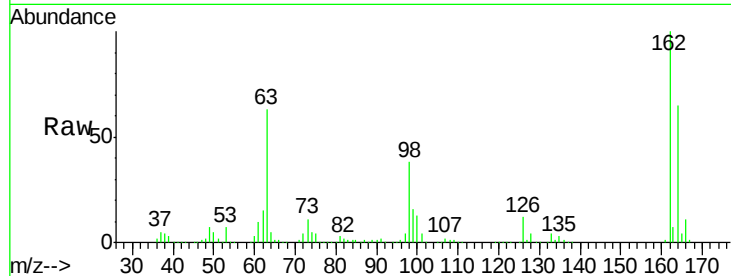
#29
2,4-Dichlorophenol
Concen: 54.345 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	553526		
164	64.5		44.4	84.4
98	38.2		17.3	57.3

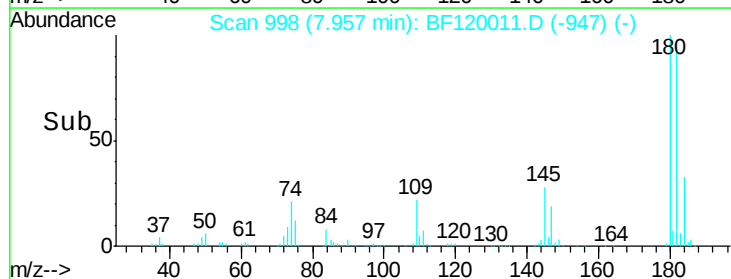
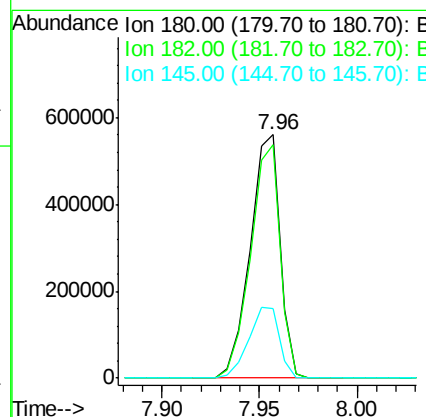
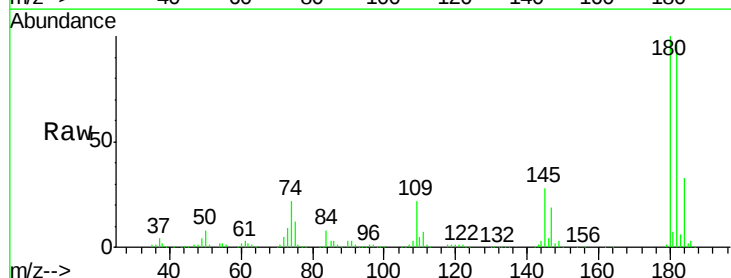
Manual Integrations
APPROVED

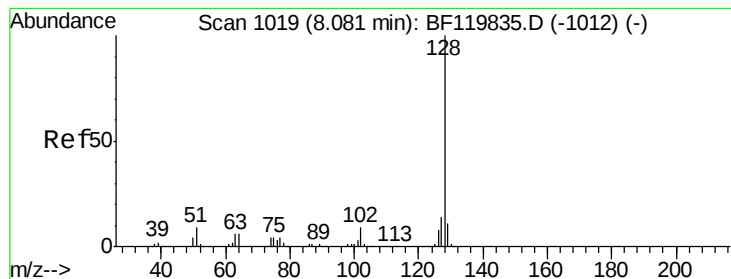
mohammad
4/16/2020 12:52:57 PM



#30
1,2,4-Trichlorobenzene
Concen: 51.740 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	597125		
182	95.8		75.4	113.0
145	28.4		24.6	37.0





#31

Naphthalene

Concen: 53.017 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:128 Resp: 1891767

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

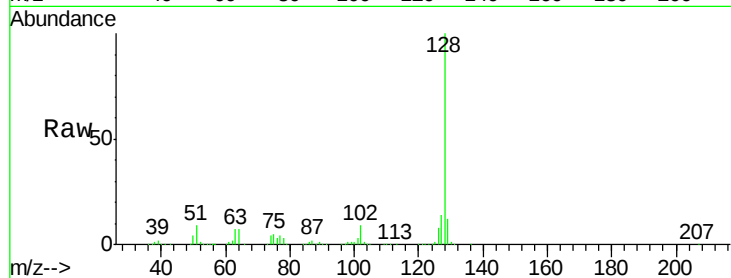
127 13.7 11.0 16.4

Manual Integrations

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mohammad

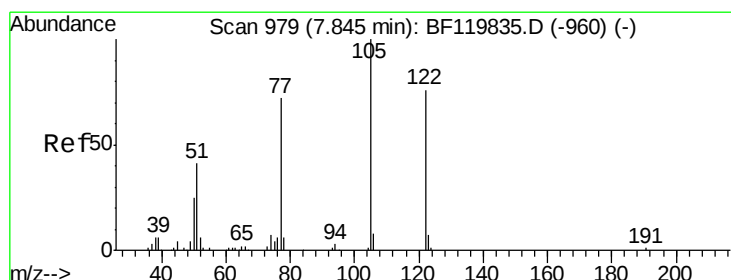
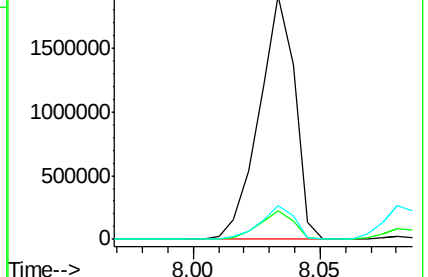
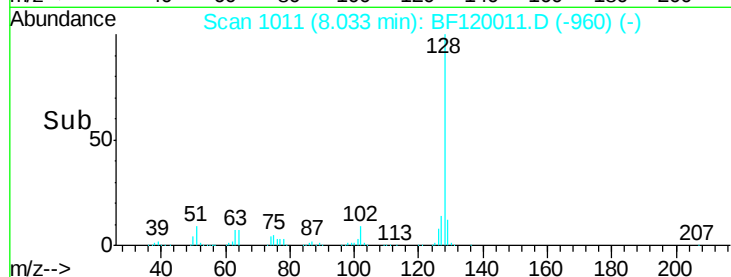
4/16/2020 12:52:57 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 25.138 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

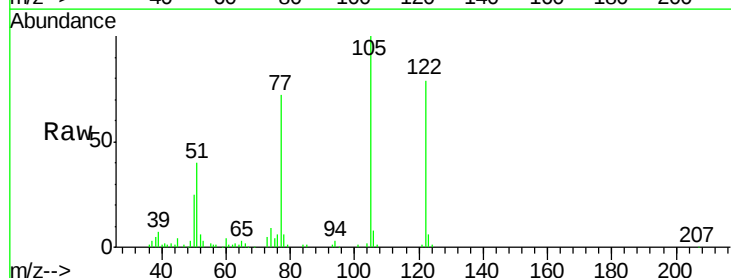
Tgt Ion:122 Resp: 219376

Ion Ratio Lower Upper

122 100

105 127.3 106.7 146.7

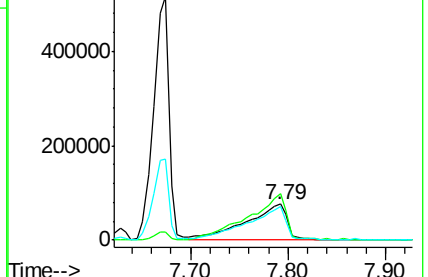
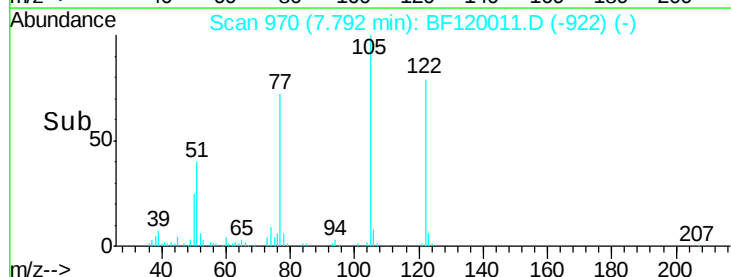
77 92.2 72.1 112.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





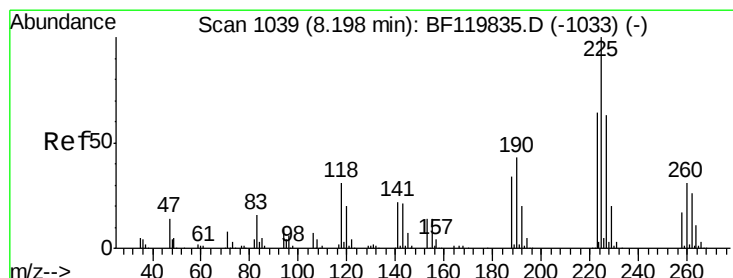
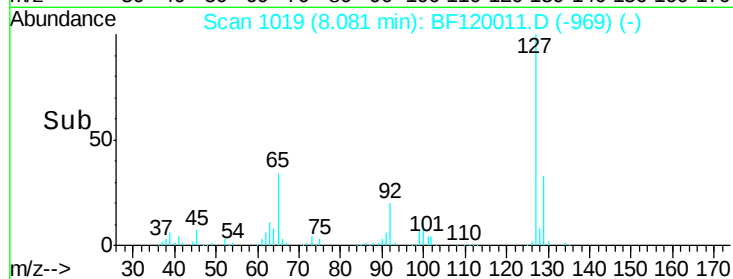
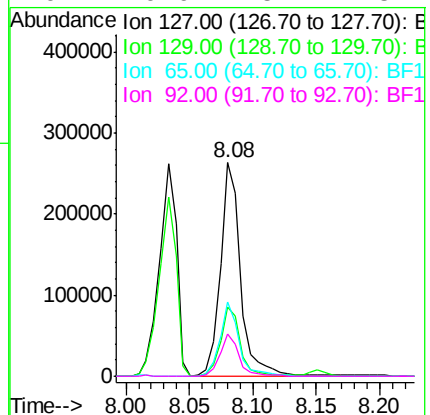
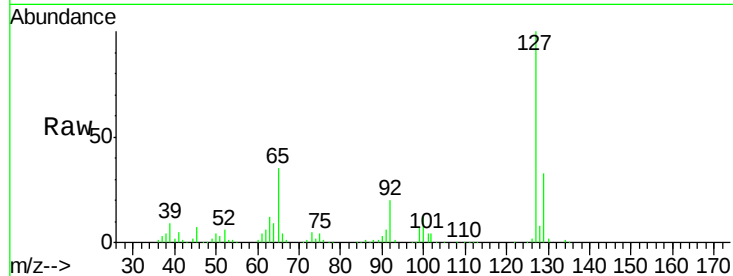
#33
4-Chloroaniline
Concen: 18.875 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.2	39.2		
65	34.5	28.3	42.5		
92	19.9	15.4	23.2		

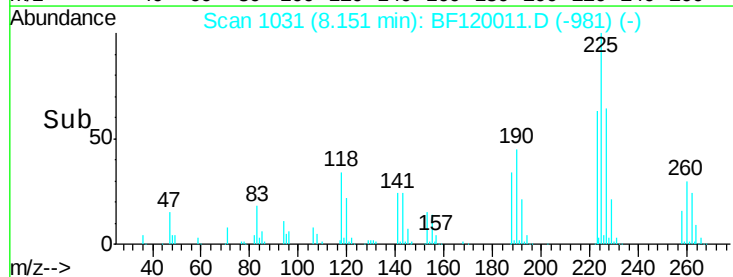
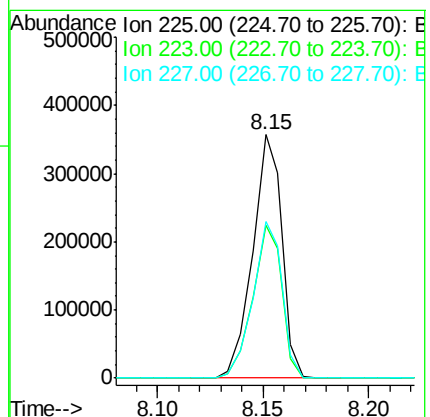
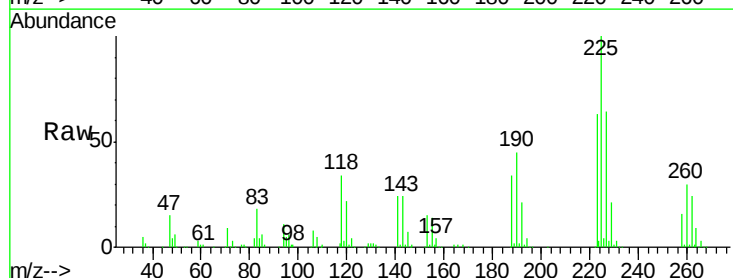
Manual Integrations
APPROVED

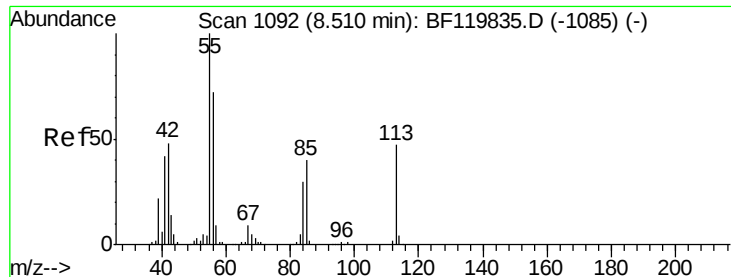
mohammad
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#34
Hexachlorobutadiene
Concen: 49.606 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	51.0	76.6		
227	64.1	50.4	75.6		





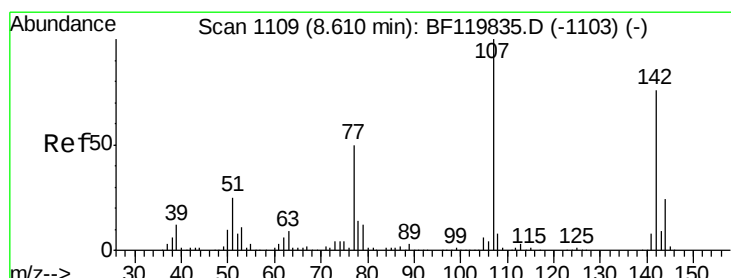
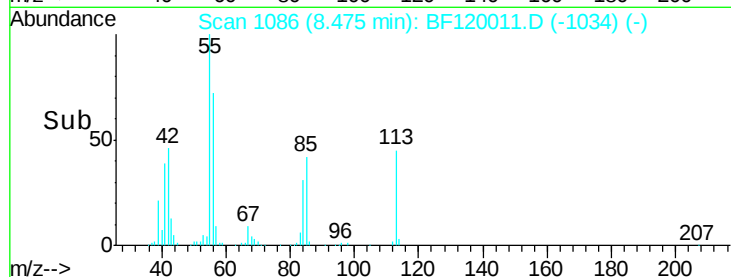
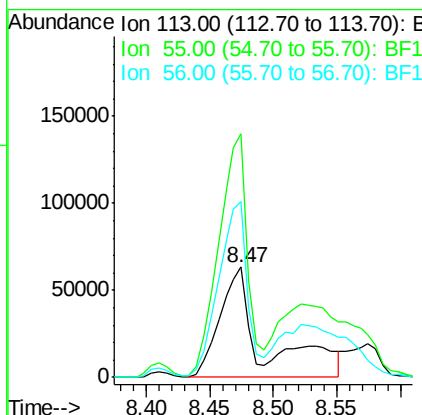
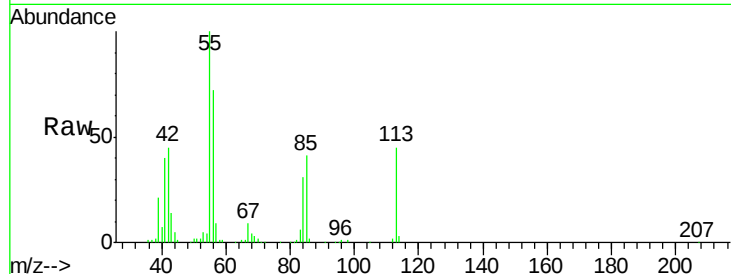
#35
Caprolactam
Concen: 48.877 ng/ml
RT: 8.47 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	221.6	192.7	232.7
56	160.2	133.3	173.3

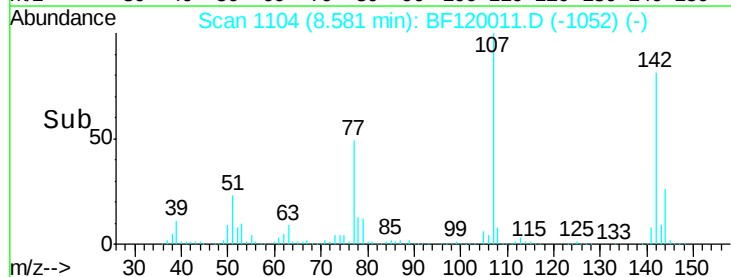
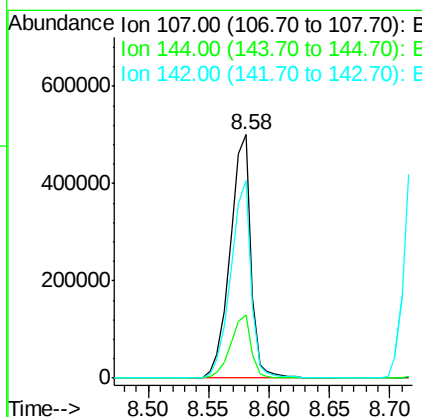
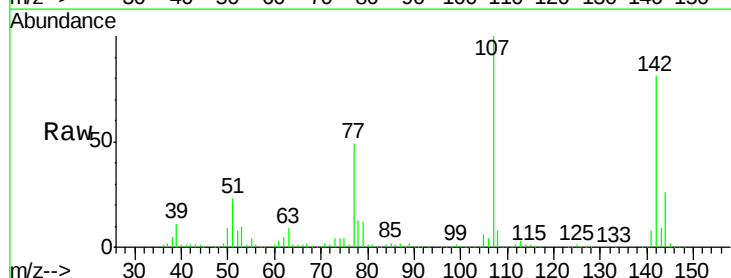
Manual Integrations
APPROVED

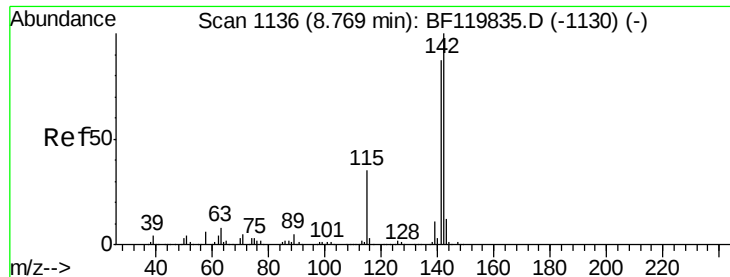
mohammad
4/16/2020 12:52:57 PM



#36
4-Chloro-3-methylphenol
Concen: 54.369 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.7	19.5	29.3
142	81.4	60.5	90.7





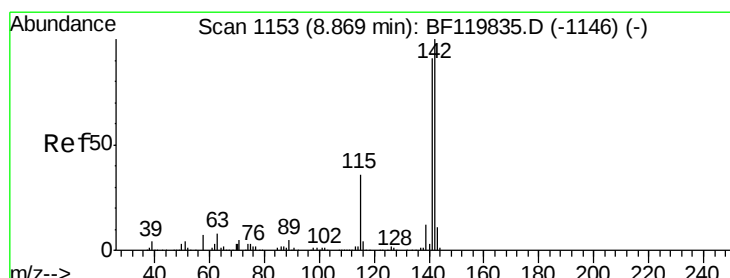
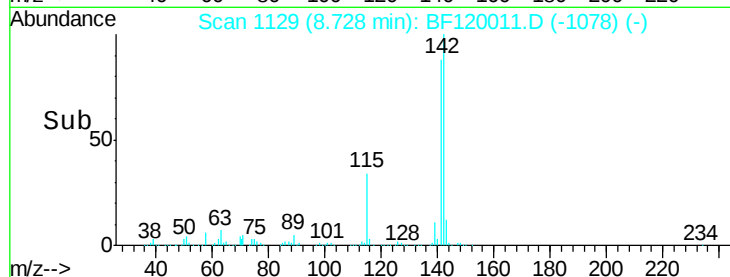
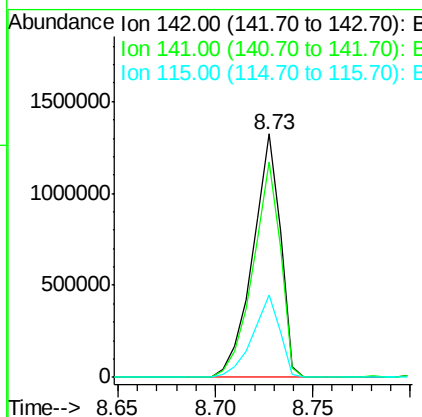
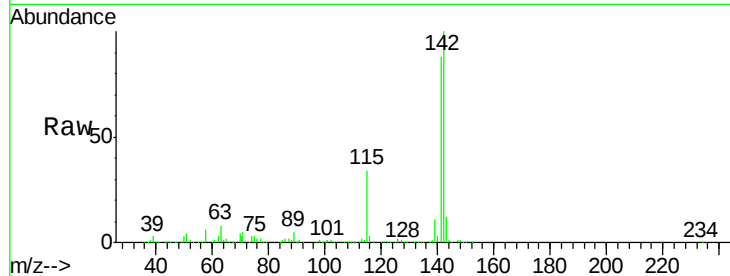
#37
2-Methylnaphthalene
Concen: 53.668 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.9	104.9
115	33.9	28.0	42.0

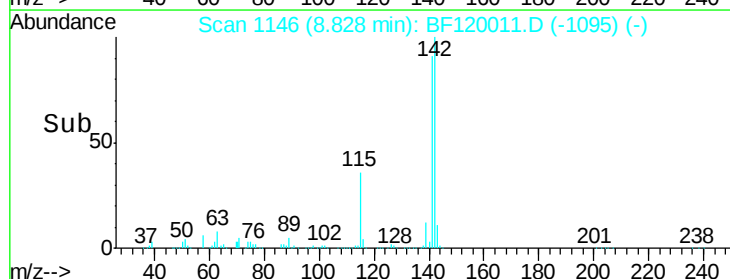
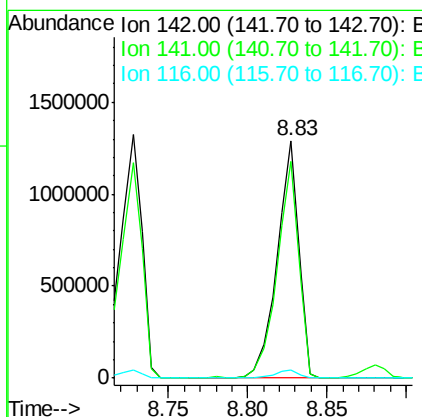
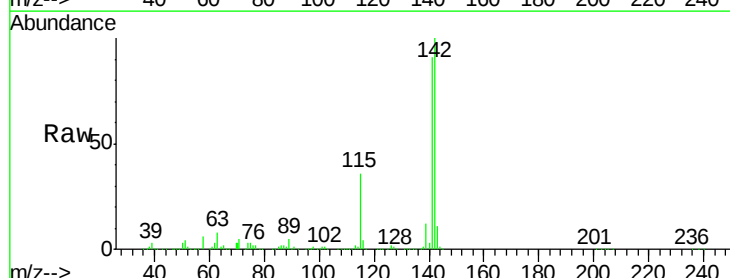
Manual Integrations
APPROVED

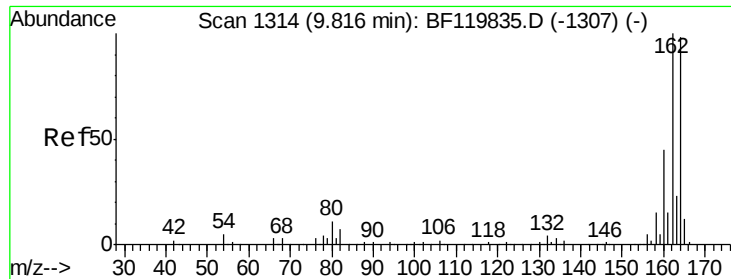
mohammad
4/16/2020 12:52:57 PM



#38
1-Methylnaphthalene
Concen: 53.607 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.9	109.3
116	3.6	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:164 Resp: 352479

Ion Ratio Lower Upper

164 100

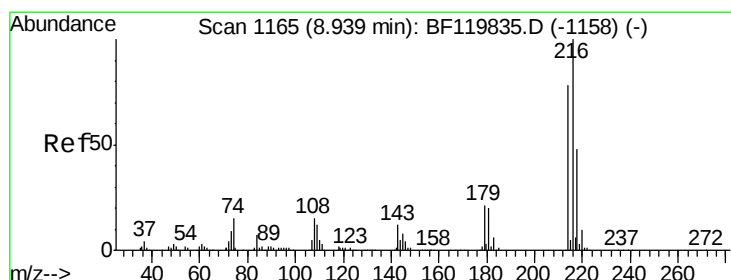
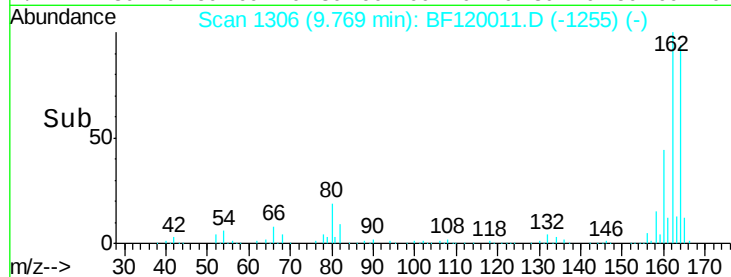
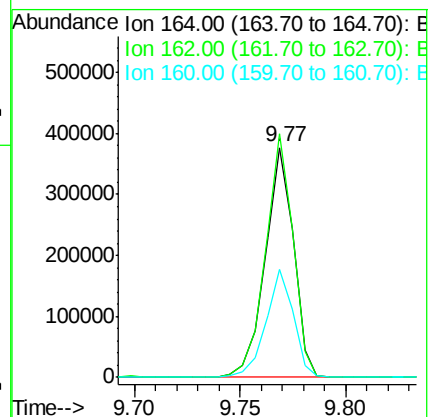
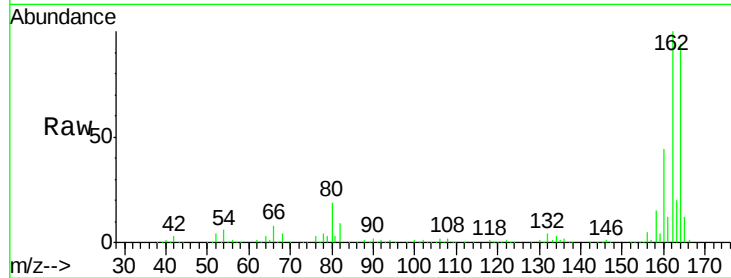
162 106.1 81.9 122.9

160 47.0 36.6 54.8

Manual Integrations
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.785 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:216 Resp: 576511

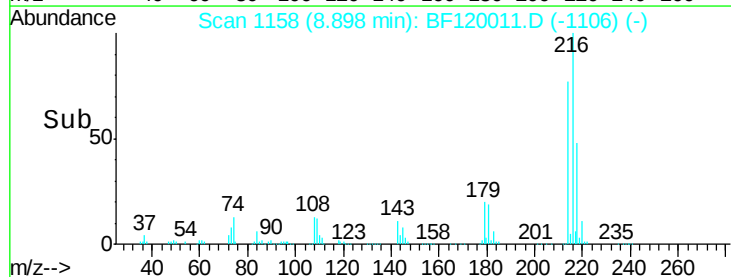
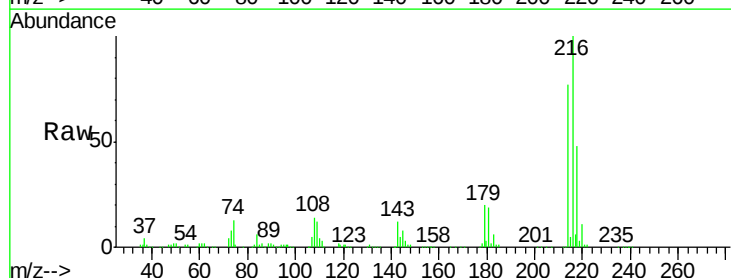
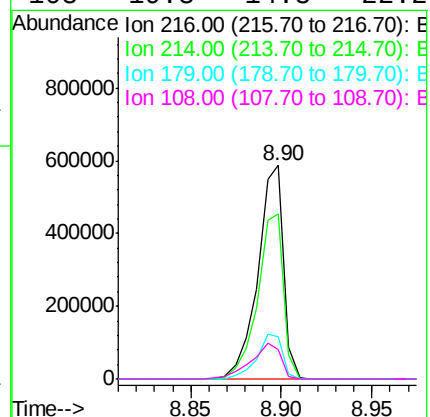
Ion Ratio Lower Upper

216 100

214 78.0 63.1 94.7

179 21.0 17.0 25.4

108 19.3 14.8 22.2





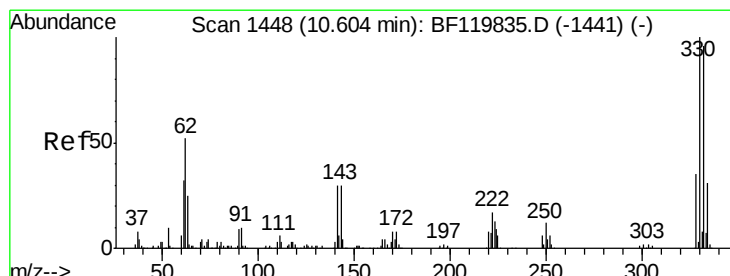
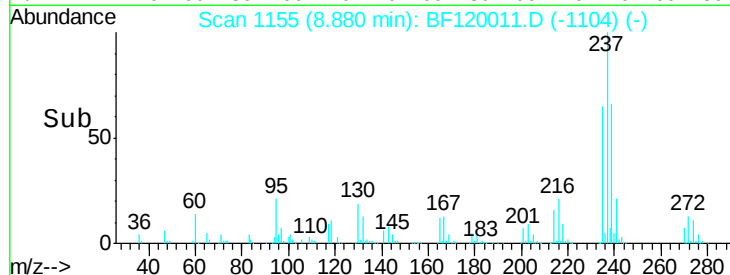
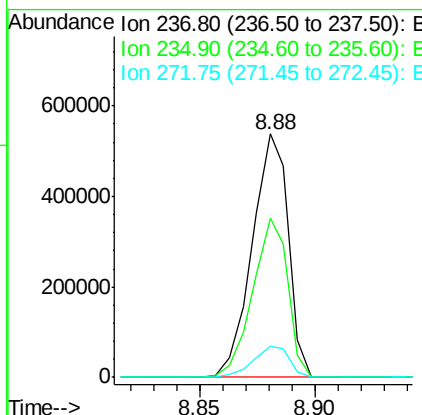
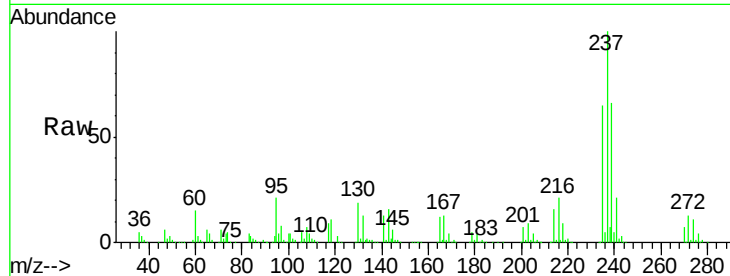
#41
Hexachlorocyclopentadiene
Concen: 92.594 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	65.5	44.9	84.9
272	13.0	0.0	33.6

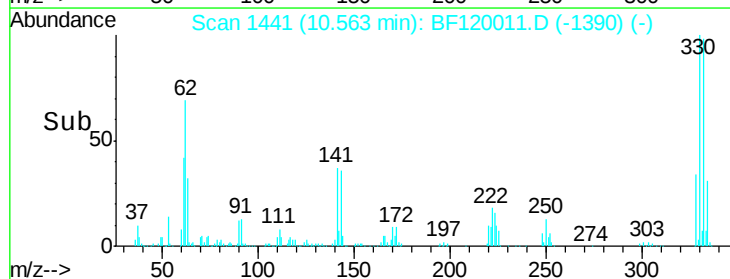
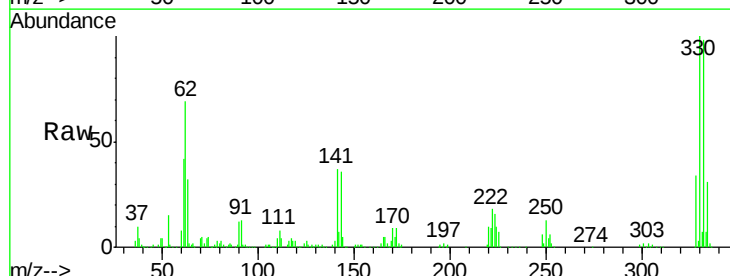
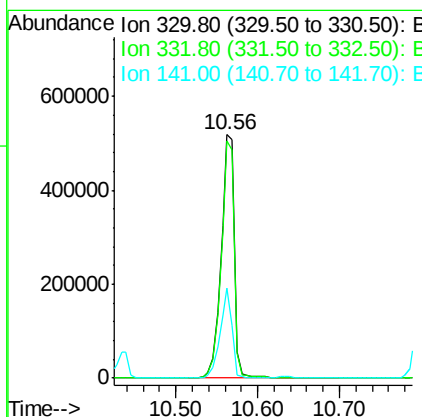
Manual Integrations
APPROVED

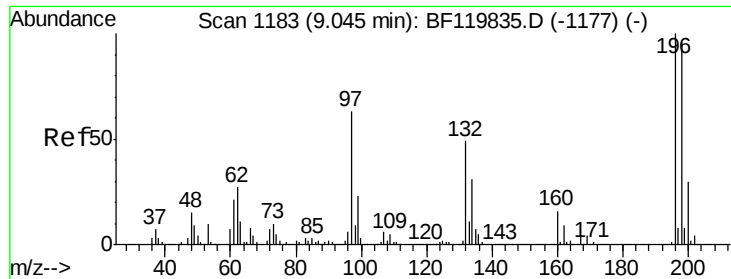
mohammad
4/16/2020 12:52:57 PM



#42
2,4,6-Tribromophenol
Concen: 134.975 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.7	76.8	115.2
141	33.4	25.1	37.7





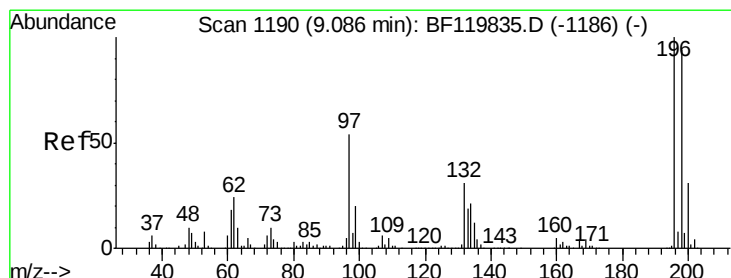
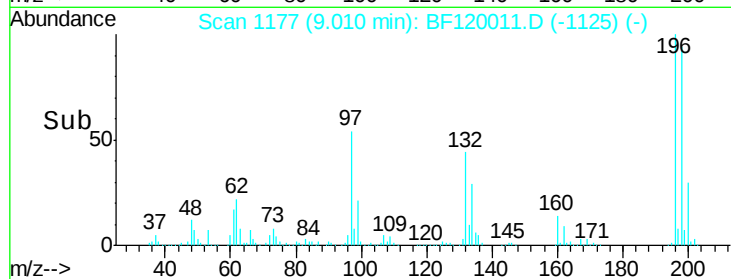
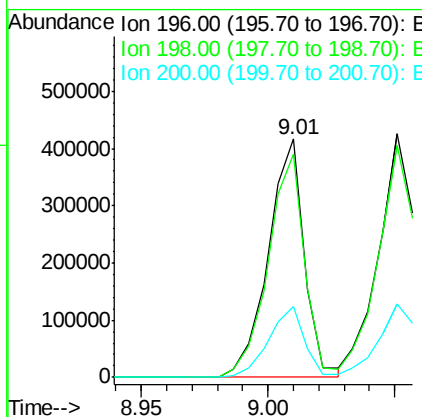
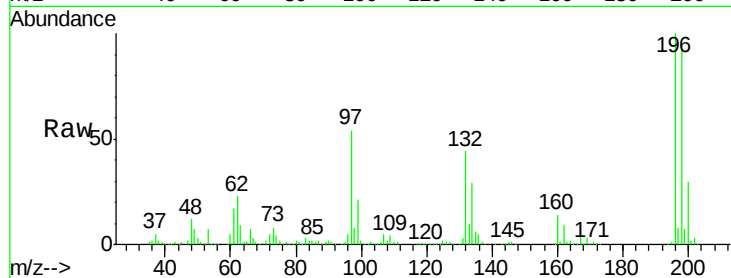
#43
 2,4,6-Trichlorophenol
 Concen: 53.944 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	414704		
198	94.1	76.6	115.0	
200	29.9	24.2	36.2	

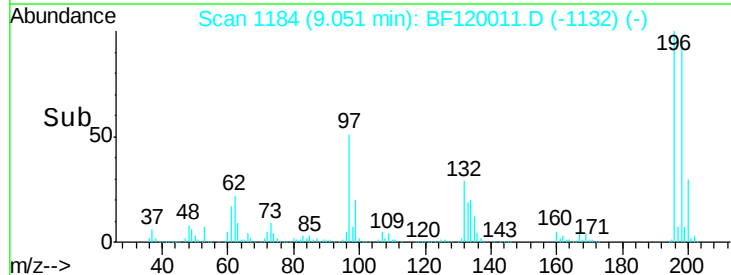
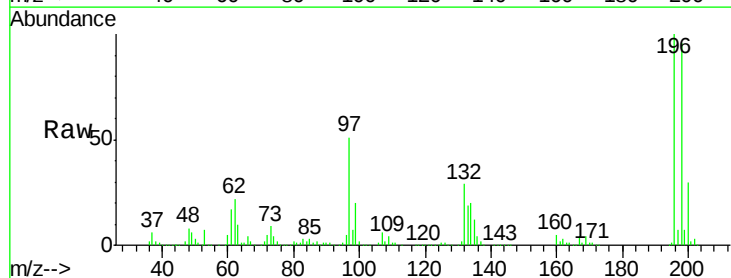
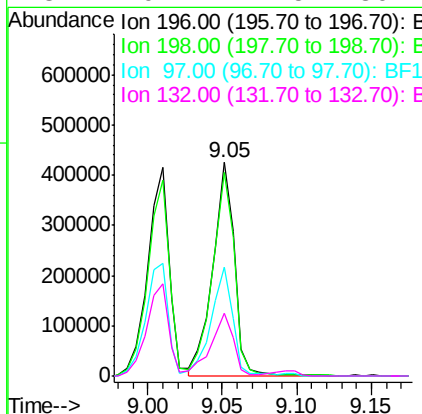
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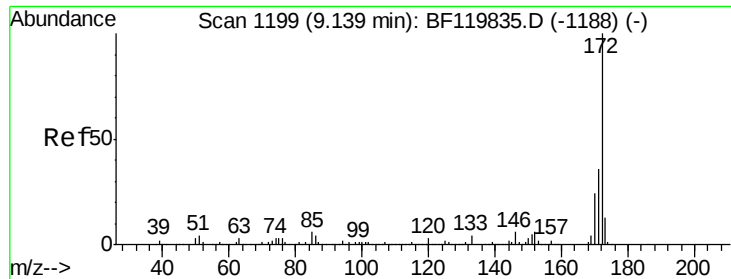
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 49.391 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	427660		
198	95.5	75.1	112.7	
97	51.2	43.4	65.2	
132	29.4	24.5	36.7	





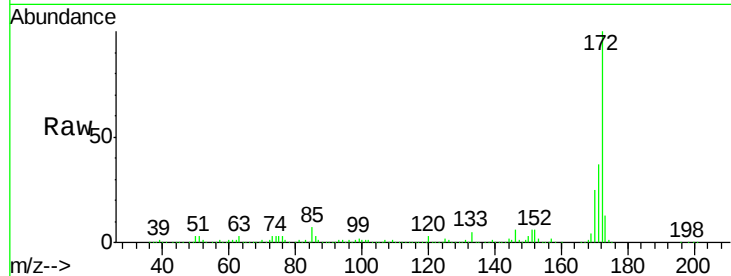
#45
 2-Fluorobiphenyl
 Concen: 104.510 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

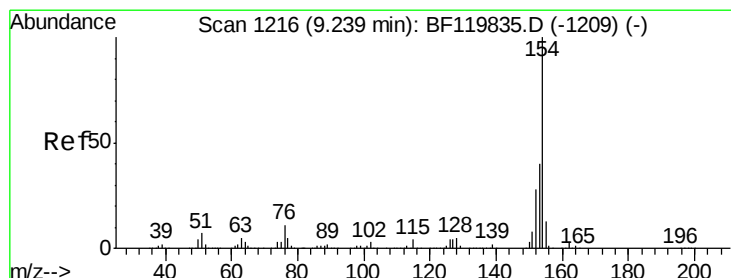
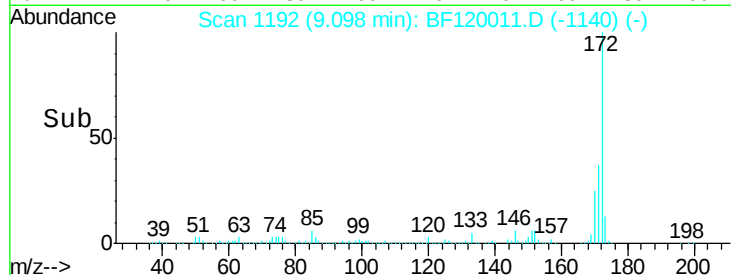
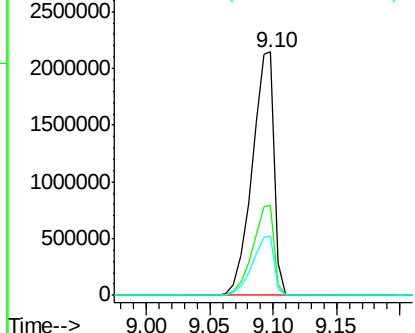
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	24.5	19.4	29.2

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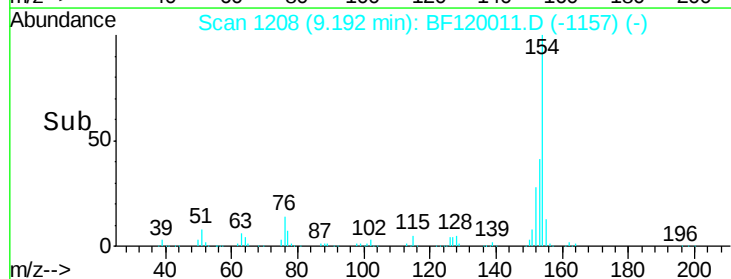
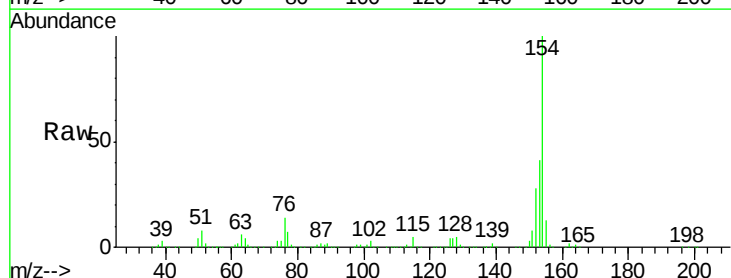
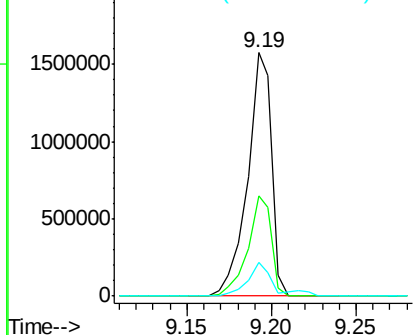
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

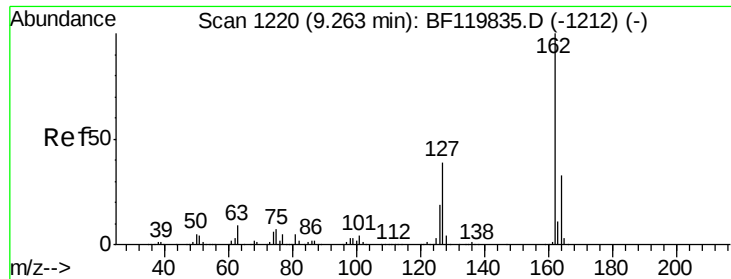


#46
 1,1'-Biphenyl
 Concen: 52.579 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.5	60.5
76	13.6	0.0	30.6

Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





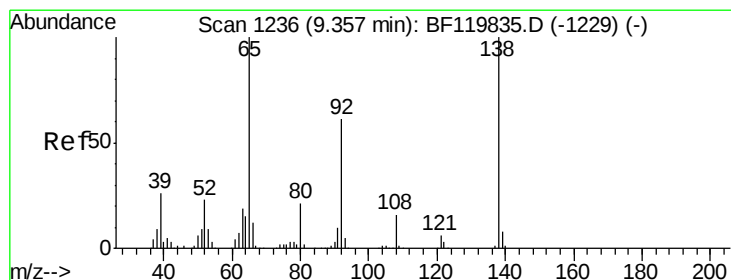
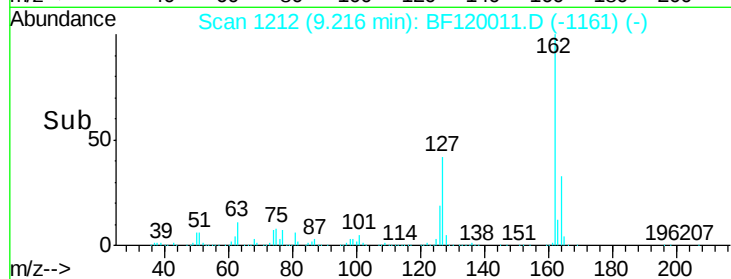
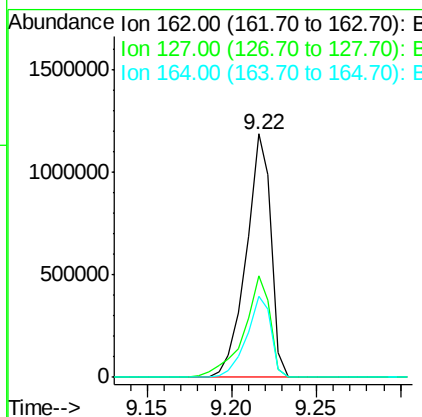
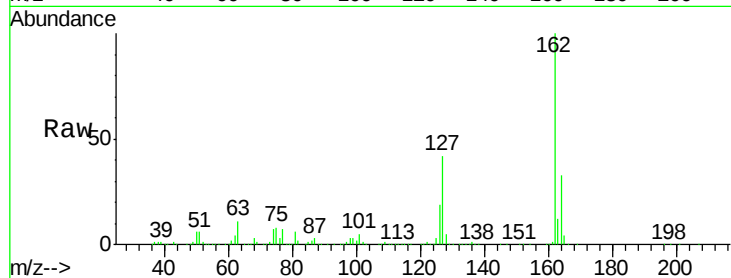
#47
2-Chloronaphthalene
Concen: 53.011 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	31.2	46.8
164	33.1	26.3	39.5

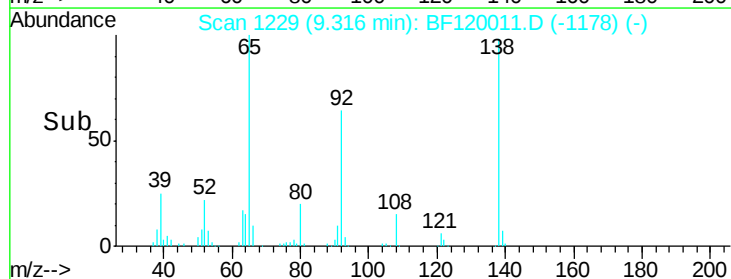
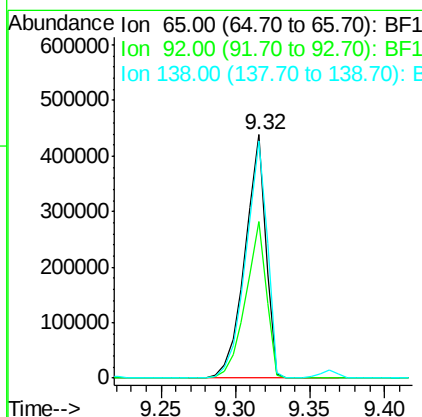
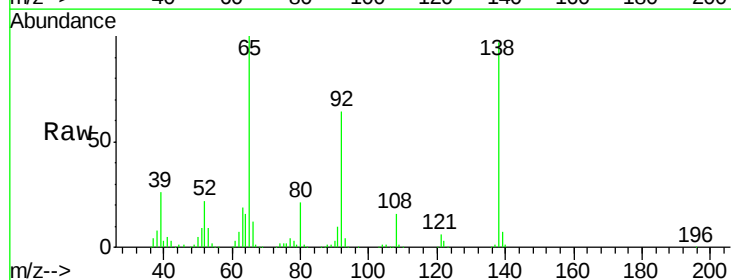
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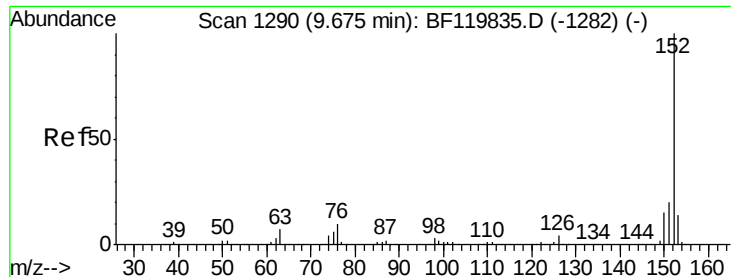
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#48
2-Nitroaniline
Concen: 51.080 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.3	49.0	73.6
138	97.2	79.7	119.5





#49

Acenaphthylene

Concen: 53.461 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:152 Resp: 1863374

Ion Ratio Lower Upper

152 100

151 21.1 16.2 24.4

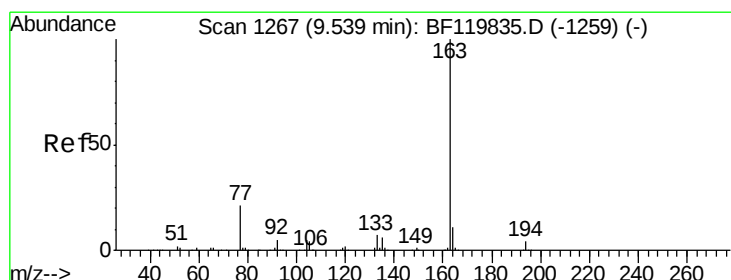
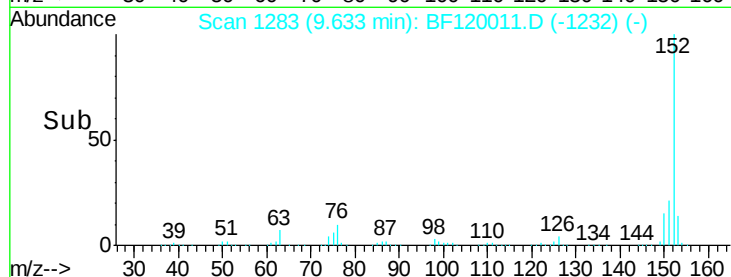
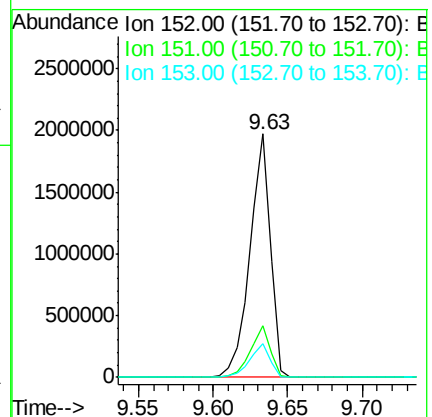
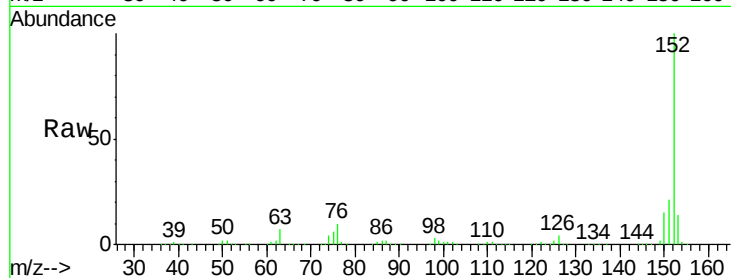
153 13.7 10.9 16.3

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#50

Dimethylphthalate

Concen: 58.369 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

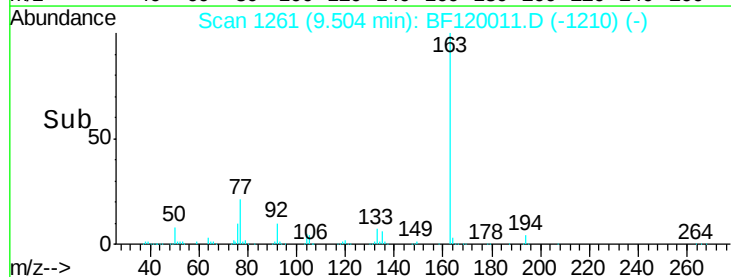
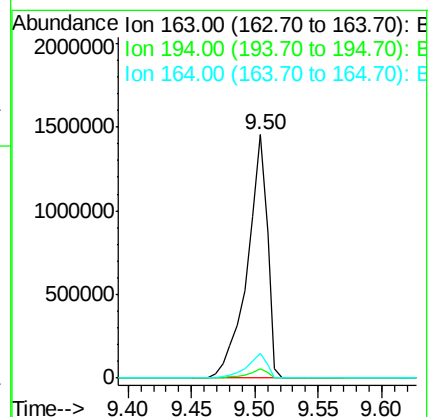
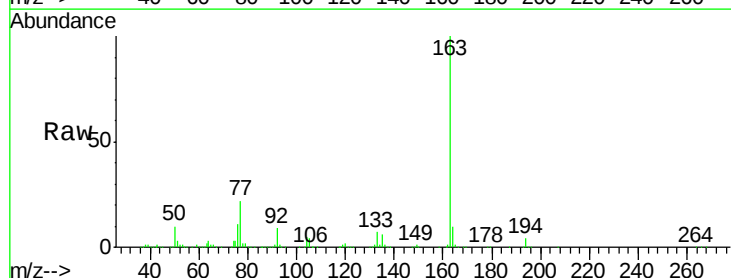
Tgt Ion:163 Resp: 1591368

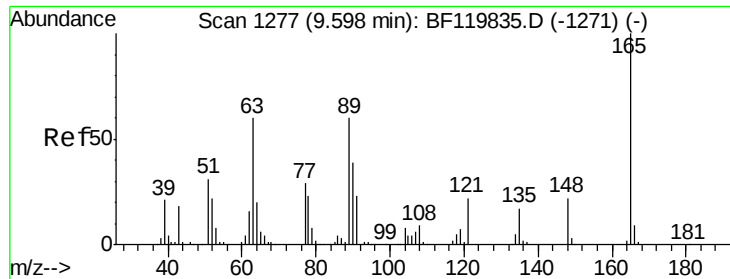
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

164 10.1 8.4 12.6





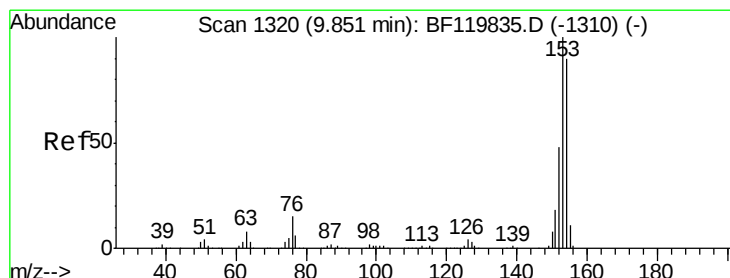
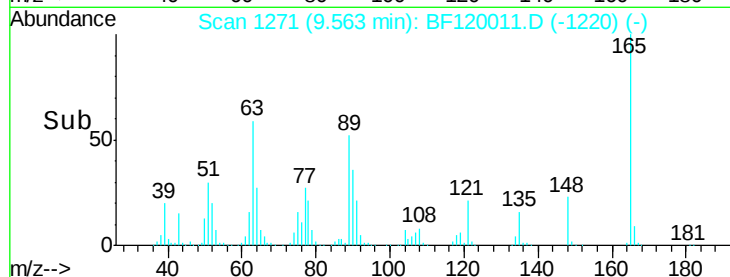
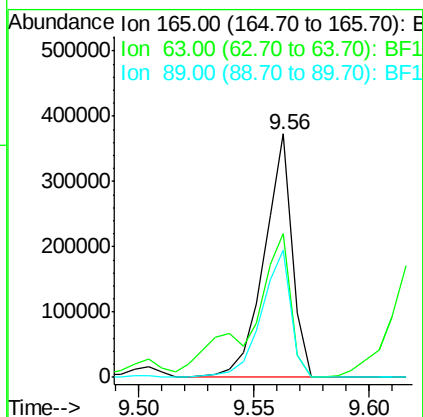
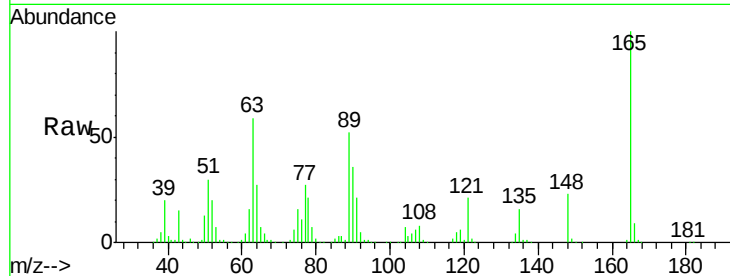
#51
2,6-Dinitrotoluene
Concen: 52.729 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	314810		
63	59.0		55.6	83.4
89	52.0		47.9	71.9

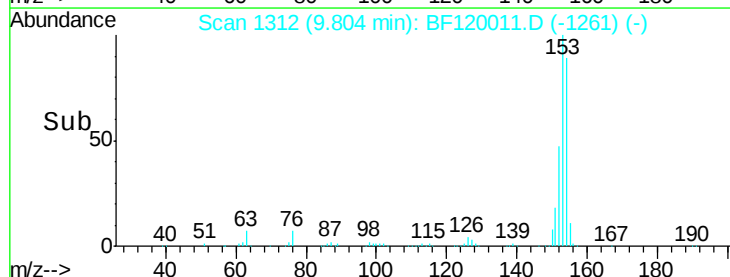
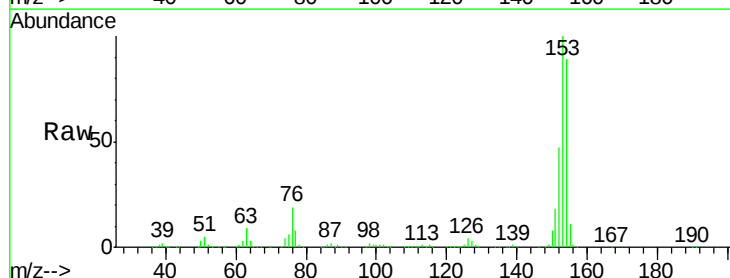
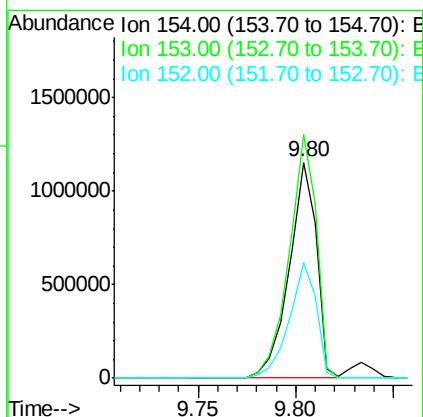
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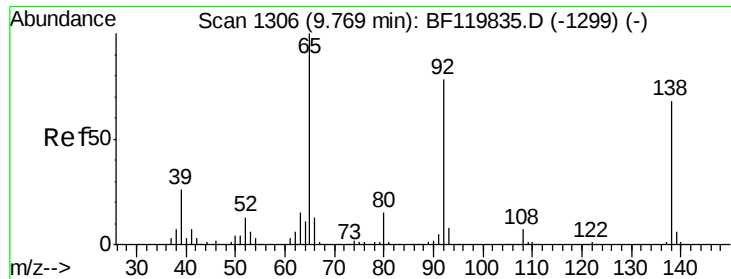
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#52
Acenaphthene
Concen: 48.339 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1123909		
153	112.7		88.8	133.2
152	53.4		42.4	63.6





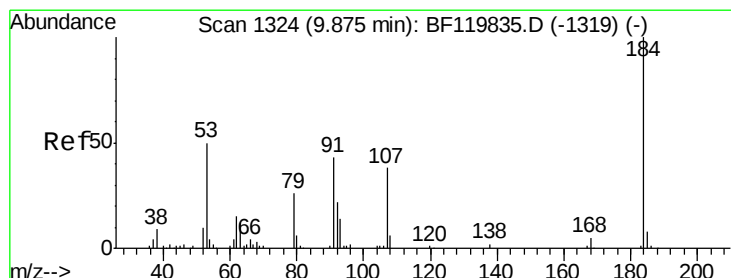
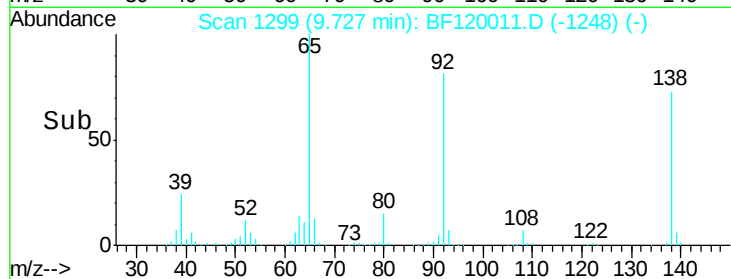
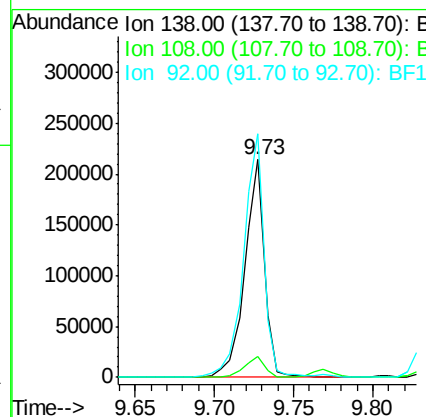
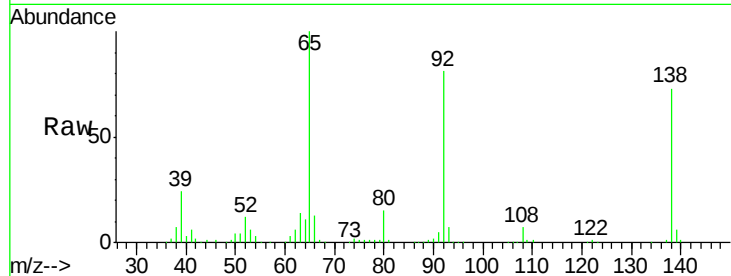
#53
 3-Nitroaniline
 Concen: 26.876 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	183255		
108	9.8	8.0	12.0	
92	112.0	92.1	138.1	

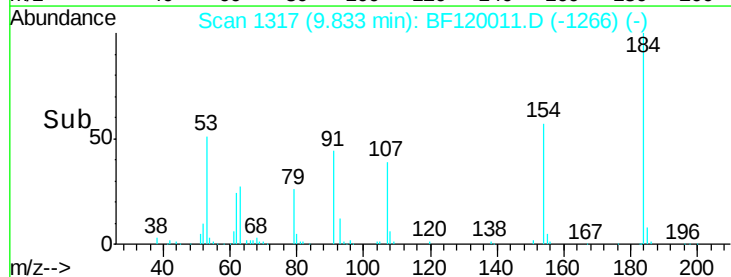
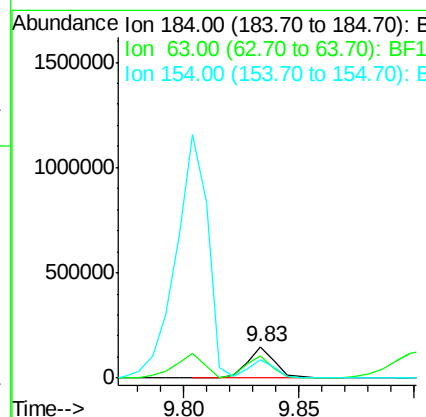
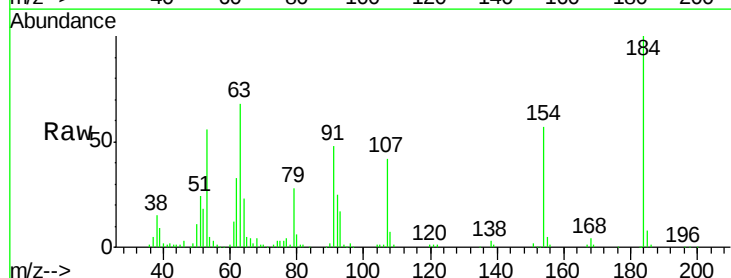
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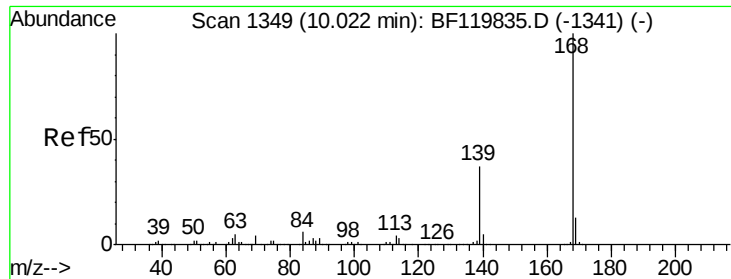
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#54
 2,4-Dinitrophenol
 Concen: 35.039 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	125244		
63	68.1	49.8	74.6	
154	56.9	46.5	69.7	





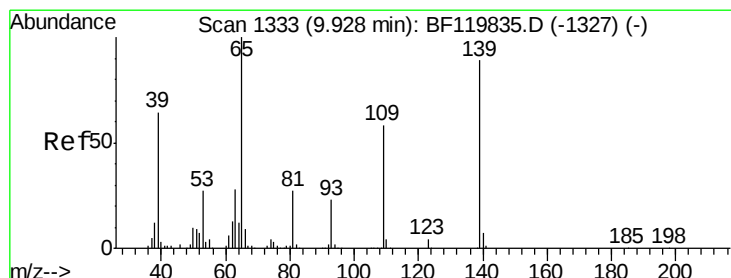
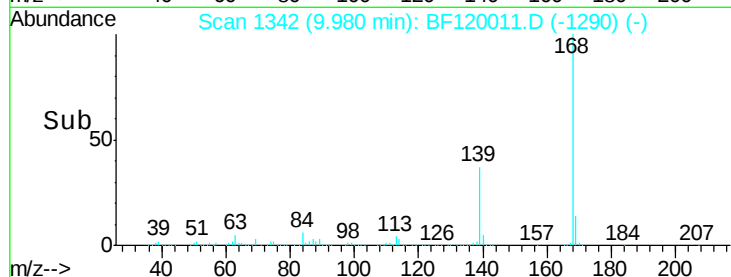
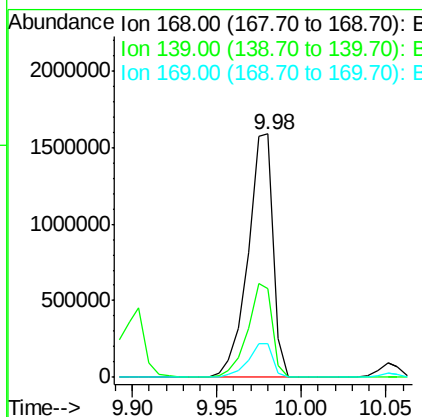
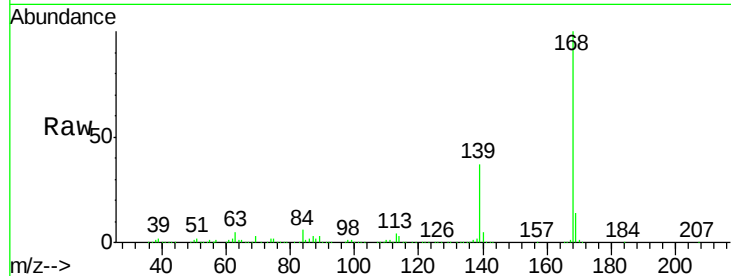
#55
Dibenzofuran
Concen: 51.918 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion:168 Resp: 1656494
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.6
169 13.8 10.6 15.8

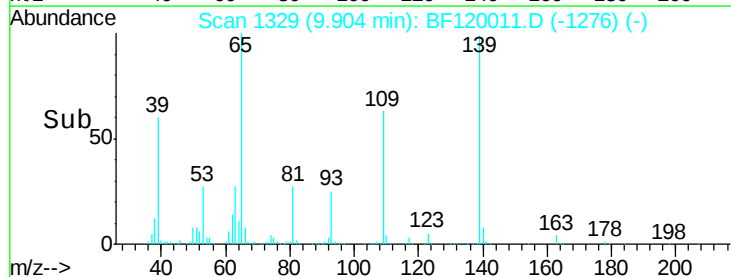
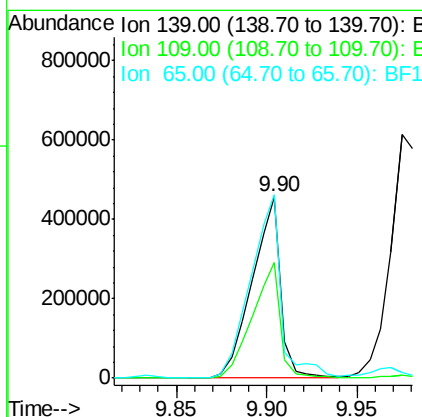
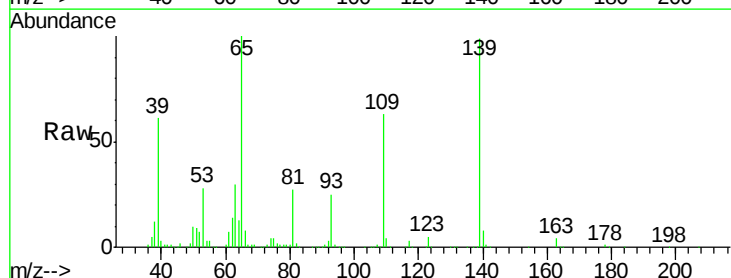
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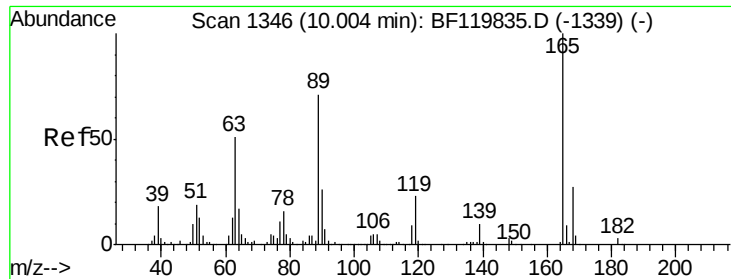
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#56
4-Nitrophenol
Concen: 98.072 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion:139 Resp: 497563
Ion Ratio Lower Upper
139 100
109 63.4 45.5 85.5
65 100.8 92.3 132.3





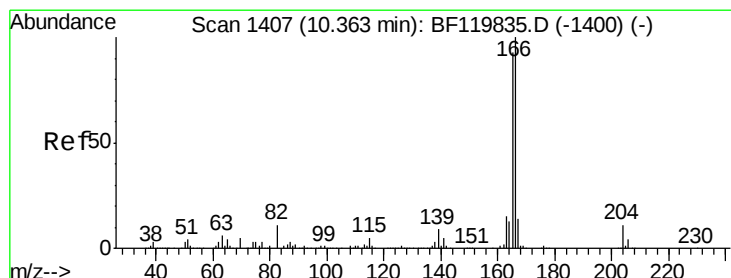
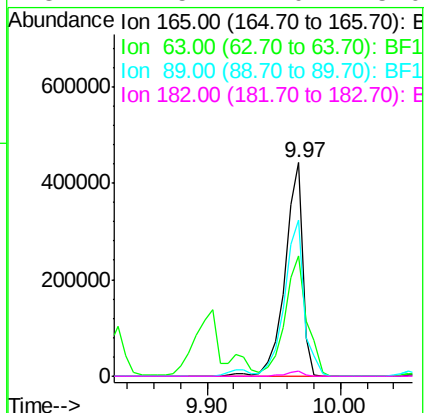
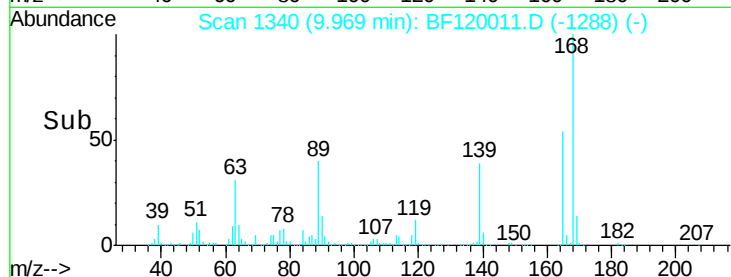
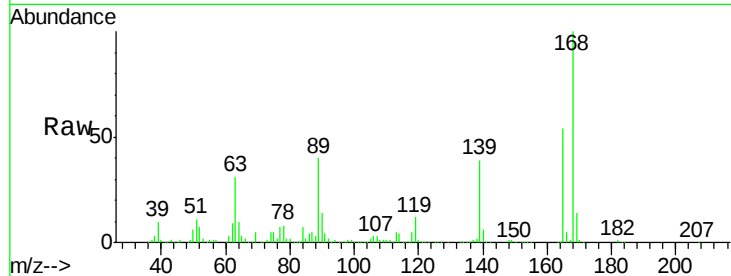
#57
 2,4-Dinitrotoluene
 Concen: 52.496 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	412930		
63	56.3	40.8	61.2	
89	73.0	56.9	85.3	
182	2.5	2.0	3.0	

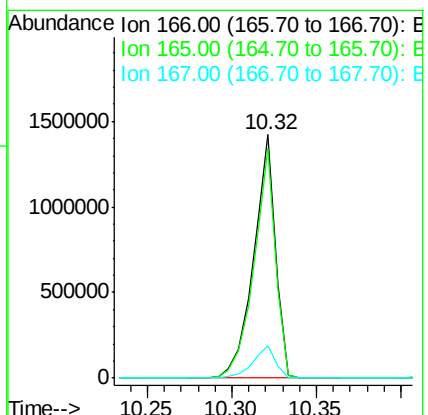
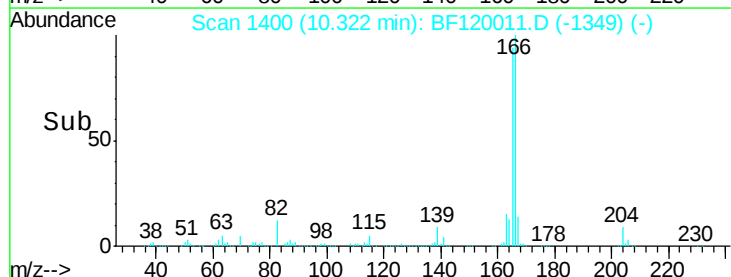
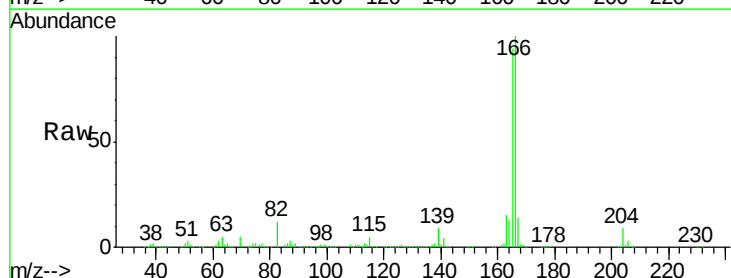
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#58
 Fluorene
 Concen: 50.393 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1285866		
165	94.1	74.2	111.2	
167	13.5	10.8	16.2	





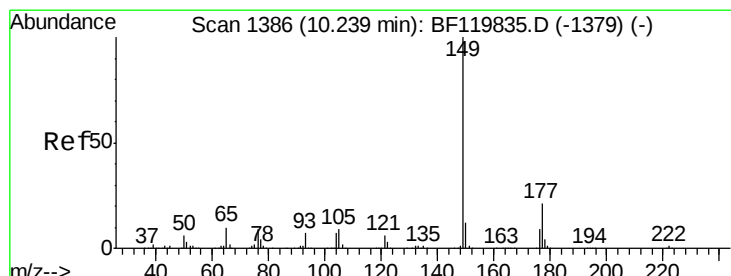
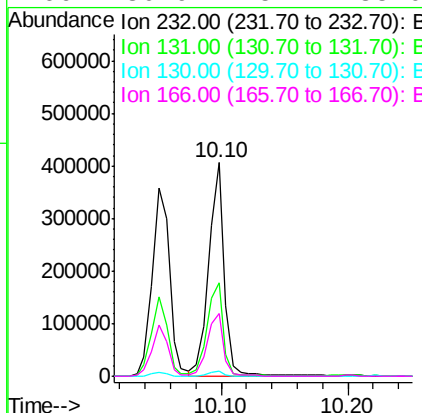
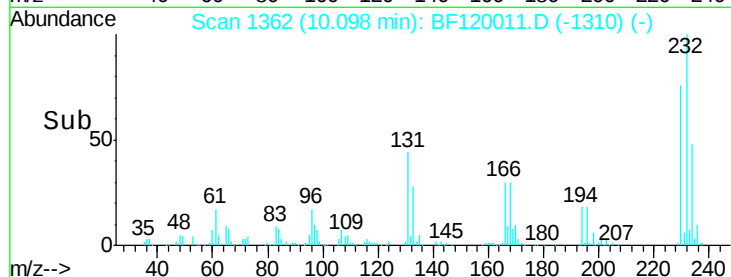
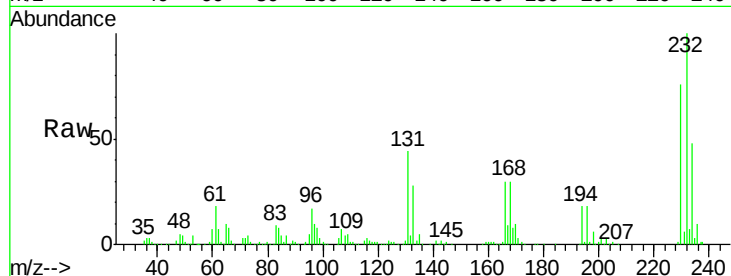
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.557 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.9	56.9
130	2.2	1.8	2.6
166	30.9	25.4	38.0

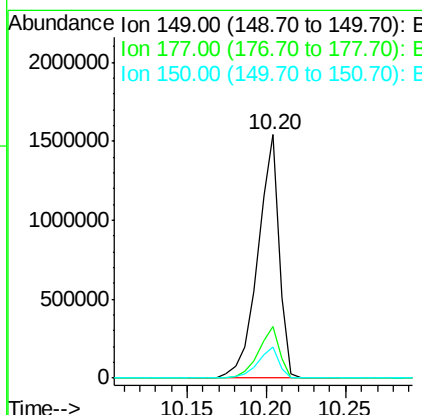
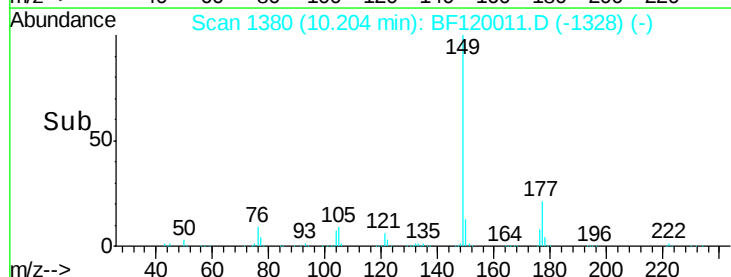
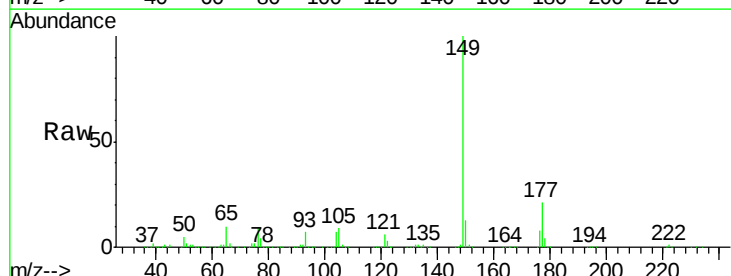
Manual Integrations
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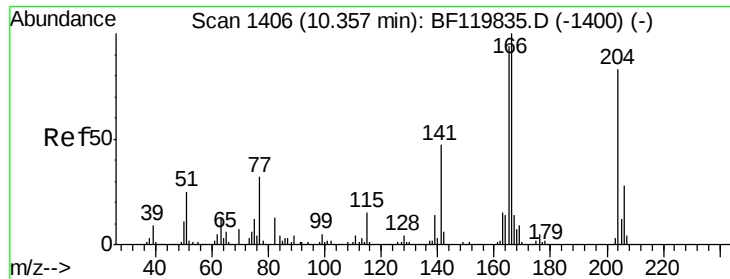
mohammad
 4/16/2020 12:52:57 PM



#60
 Diethylphthalate
 Concen: 50.996 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.8	25.2
150	12.5	9.8	14.6





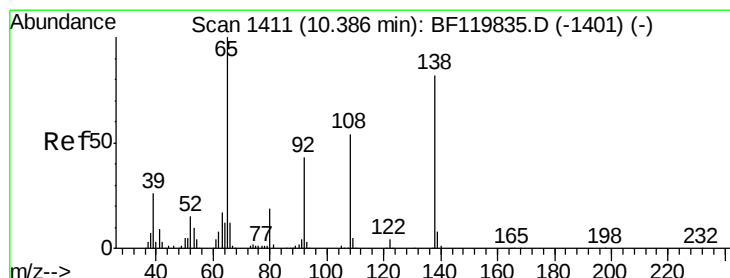
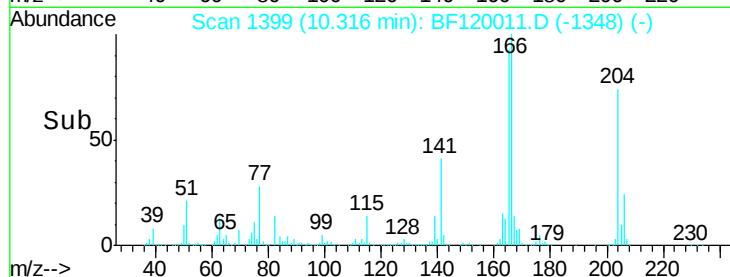
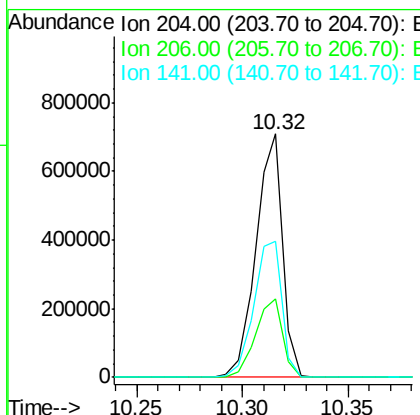
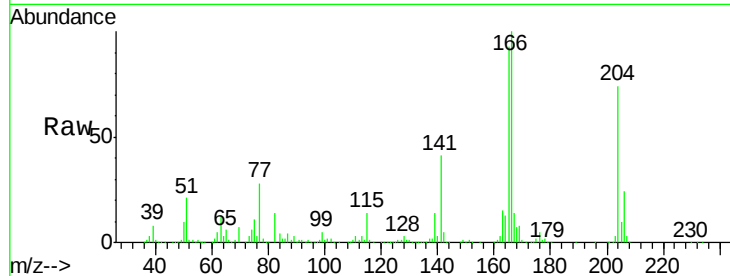
#61
 4-Chlorophenyl-phenylether
 Concen: 47.403 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.7	40.1
141	55.9	45.8	68.8

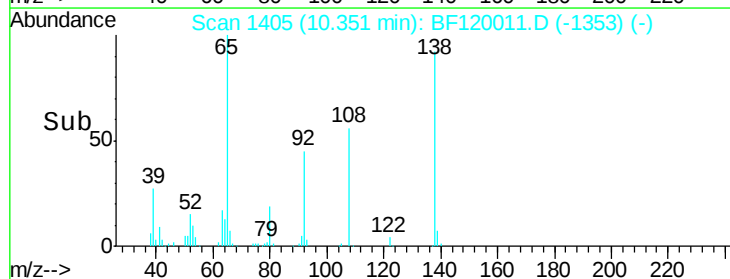
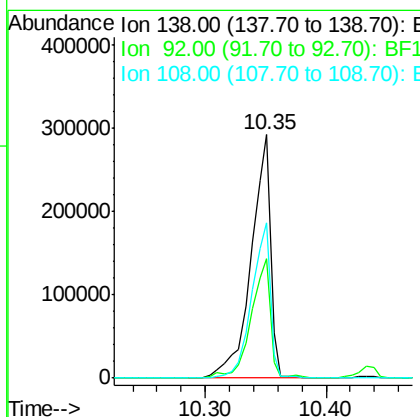
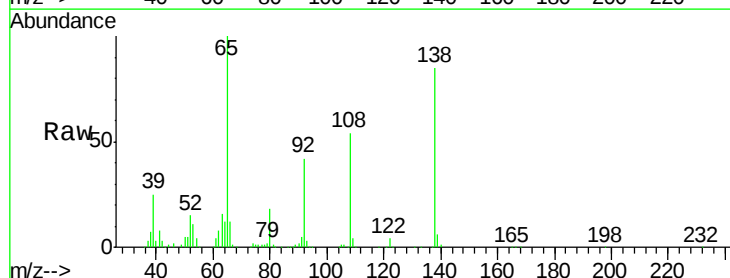
Manual Integrations
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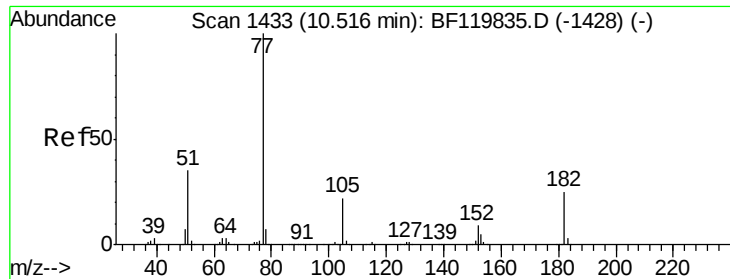
mohammad
 4/16/2020 12:52:57 PM



#62
 4-Nitroaniline
 Concen: 50.855 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.2	31.6	71.6
108	63.7	45.2	85.2





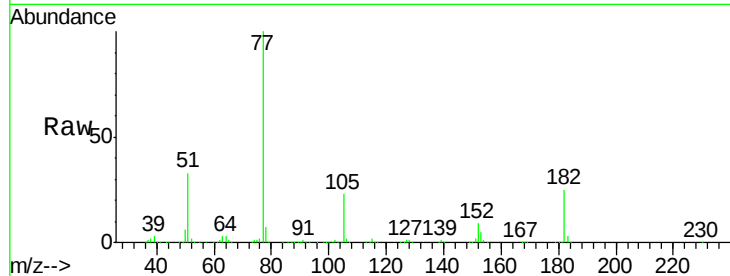
#63
Azobenzene
Concen: 54.142 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

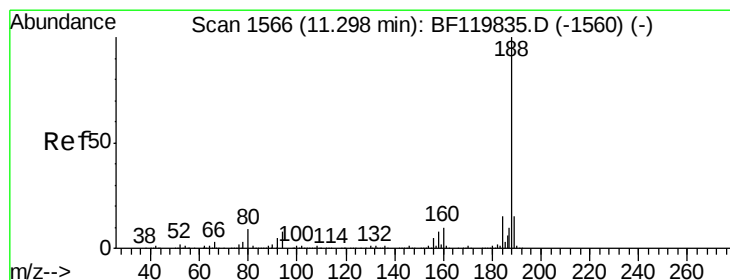
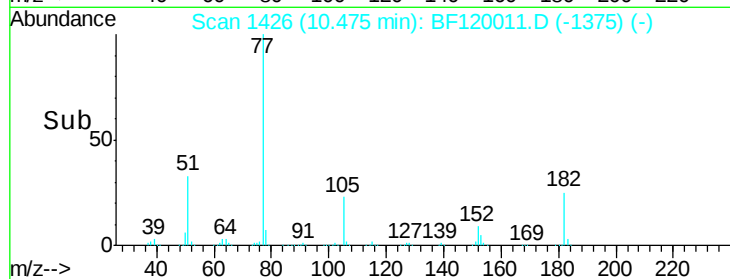
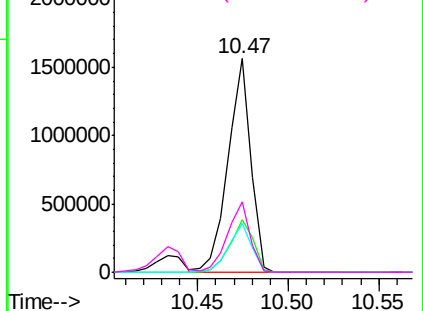
Tot Ion: 77 Resp: 1371076
Ion Ratio Lower Upper
77 100
182 24.9 4.5 44.5
105 22.7 2.2 42.2
51 33.2 15.1 55.1

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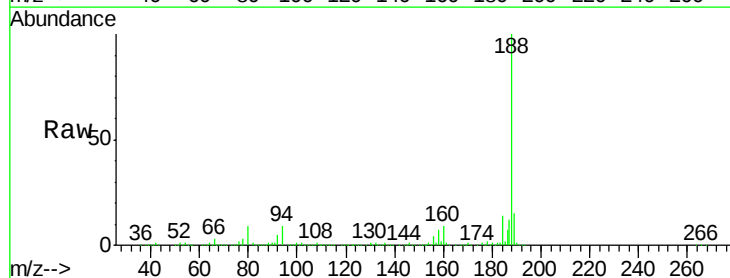


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

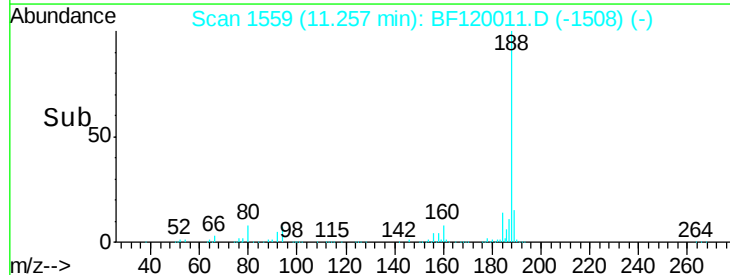
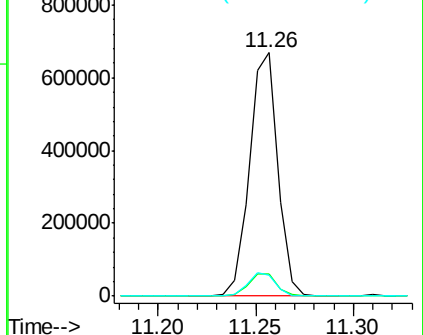


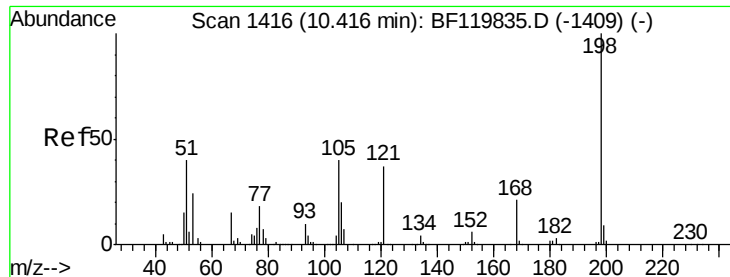
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion: 188 Resp: 669547
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 8.7 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: 29.837 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:198 Resp: 131610

Ion Ratio Lower Upper

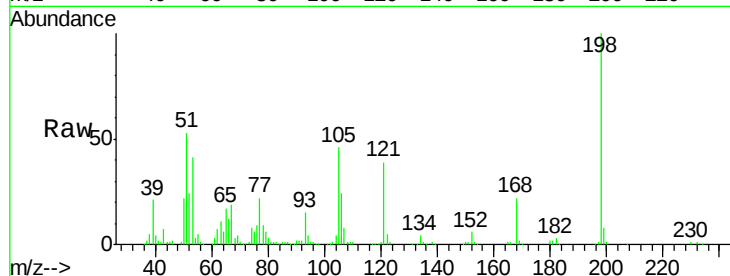
198 100

51 52.6 25.2 65.2

105 45.6 20.8 60.8

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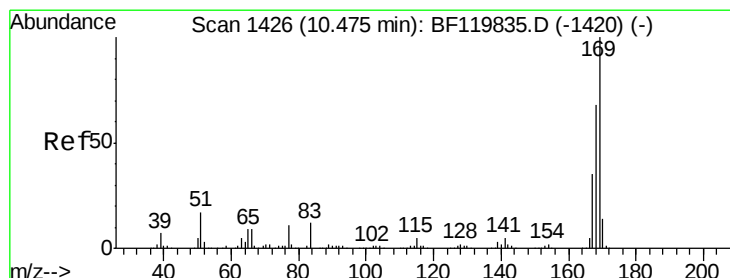
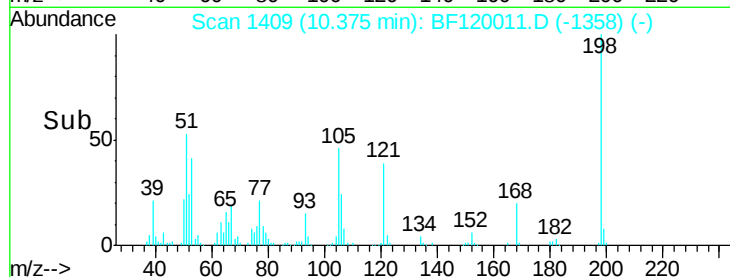
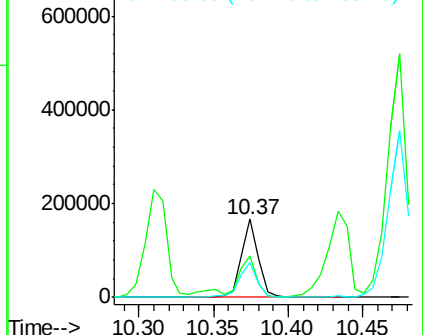
mohammad
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 53.441 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

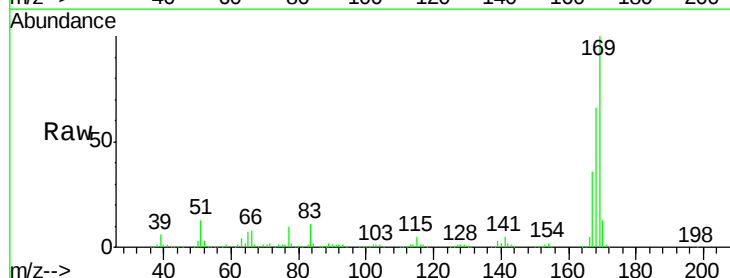
Tgt Ion:169 Resp: 1189975

Ion Ratio Lower Upper

169 100

168 66.3 54.2 81.4

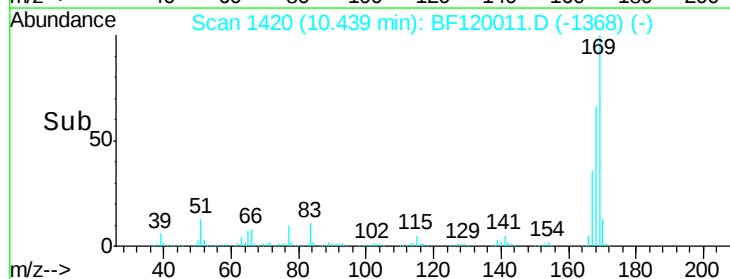
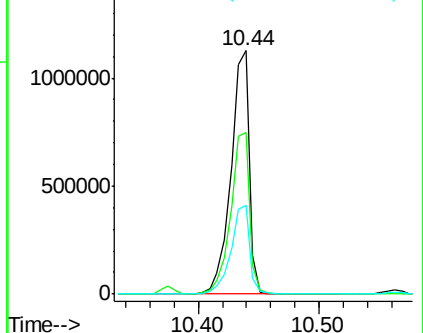
167 36.4 28.3 42.5

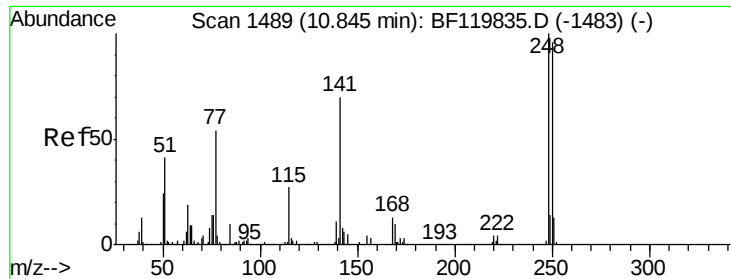


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





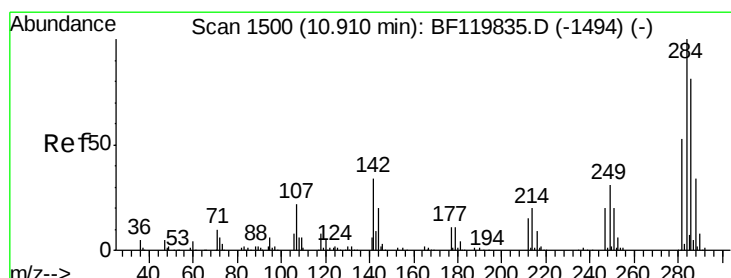
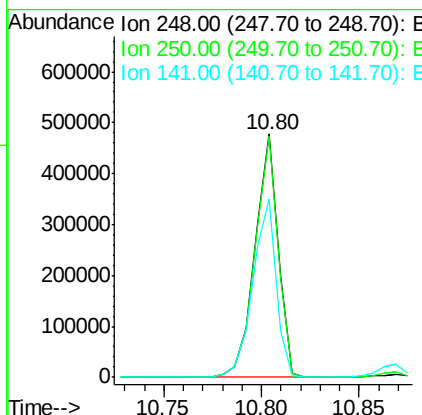
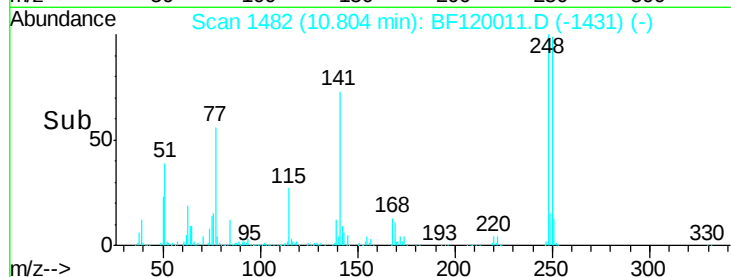
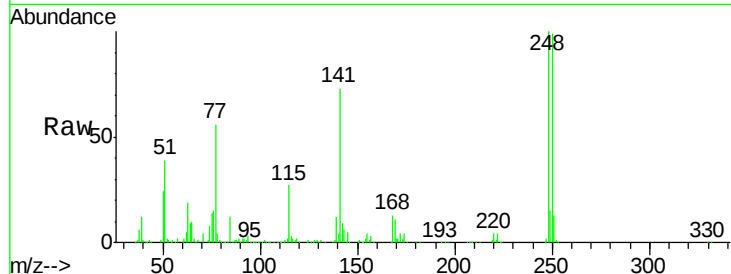
#67
4-Bromophenyl-phenylether
Concen: 47.252 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.0	76.6	114.8
141	73.1	55.9	83.9

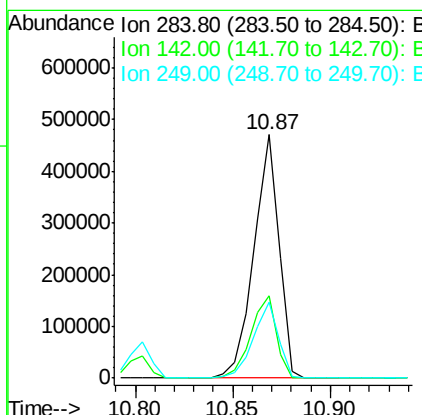
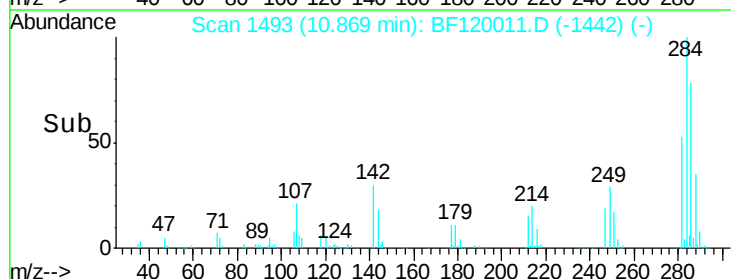
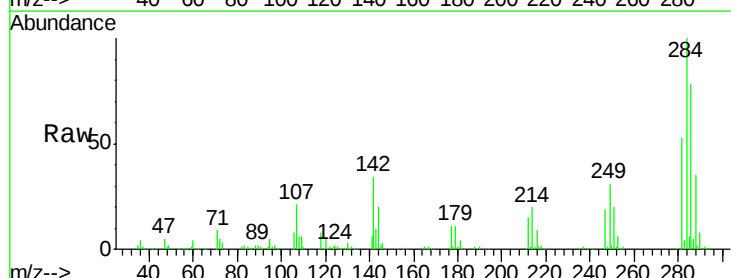
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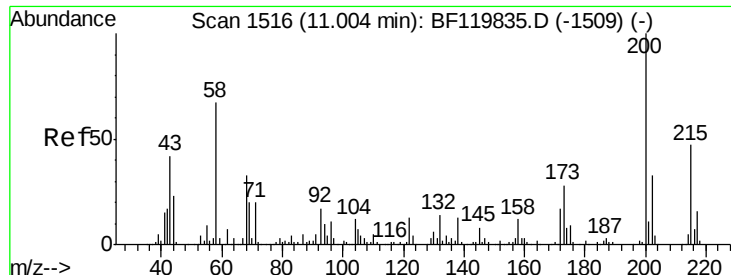
mohammad
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#68
Hexachlorobenzene
Concen: 49.584 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	26.9	40.3
249	31.1	24.6	37.0





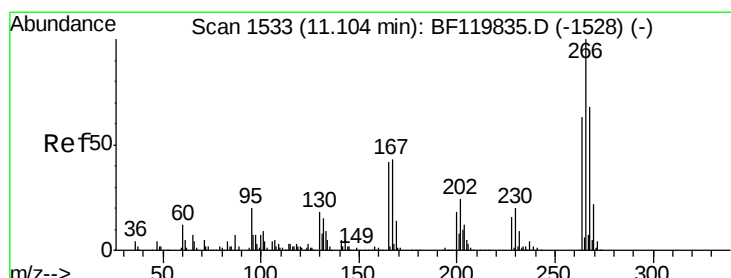
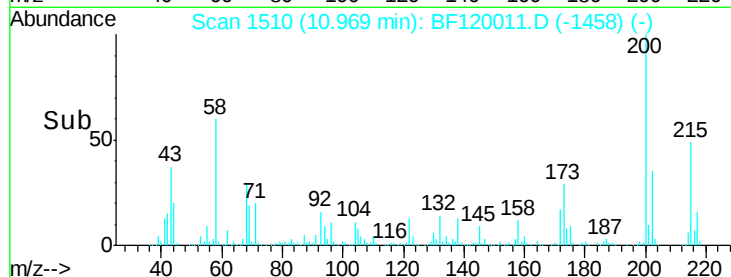
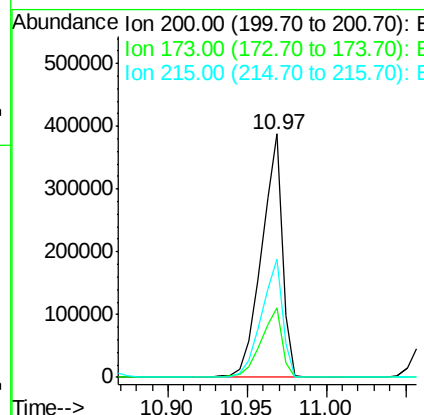
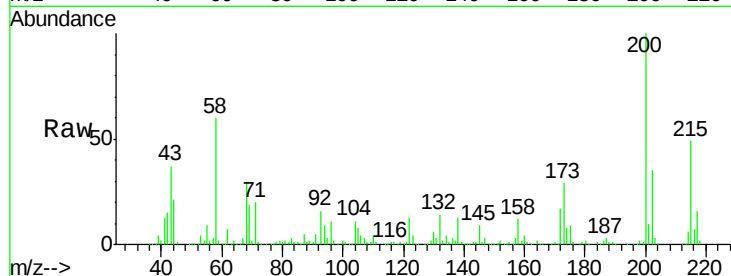
#69
Atrazine
Concen: 57.391 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.8	8.0	48.0
215	48.6	27.1	67.1

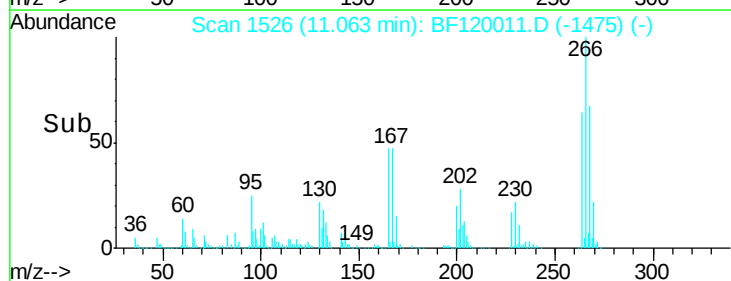
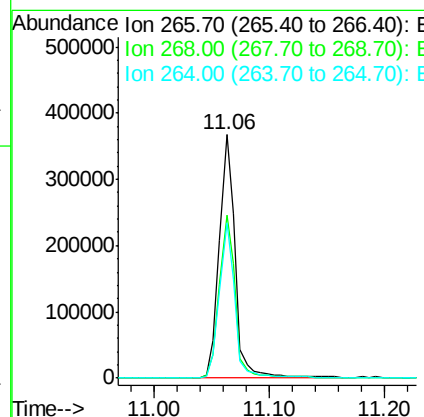
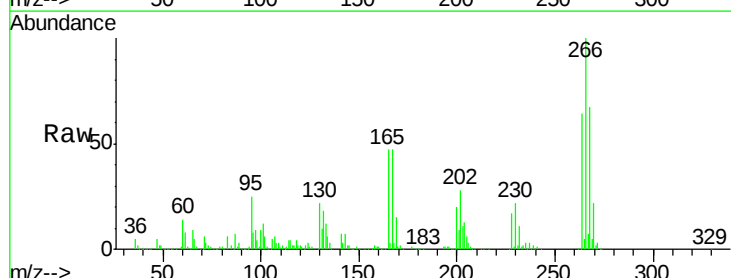
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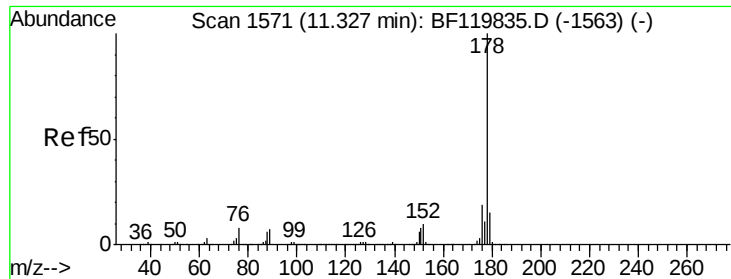
mohammad
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#70
Pentachlorophenol
Concen: 72.615 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.2	54.2	81.4
264	63.7	50.6	76.0





#71

Phenanthrene

Concen: 52.152 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:178 Resp: 1858373

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

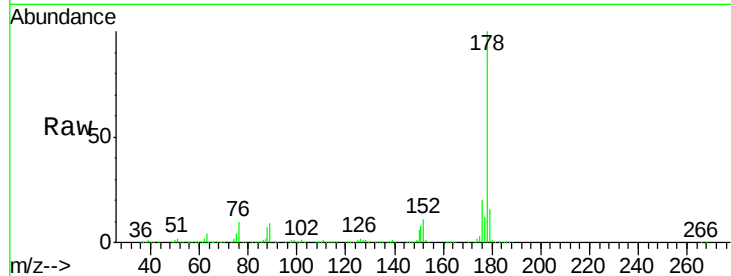
179 16.1 12.2 18.4

Manual Integrations

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mohammad

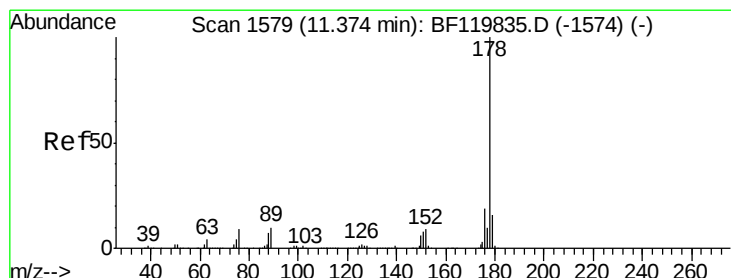
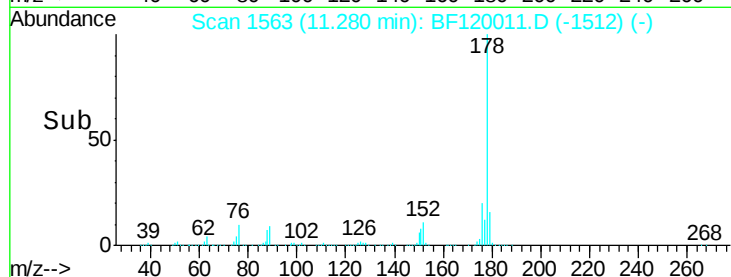
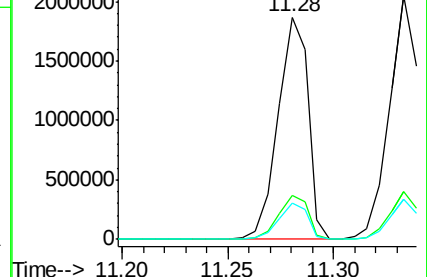
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.765 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:178 Resp: 1920763

Ion Ratio Lower Upper

178 100

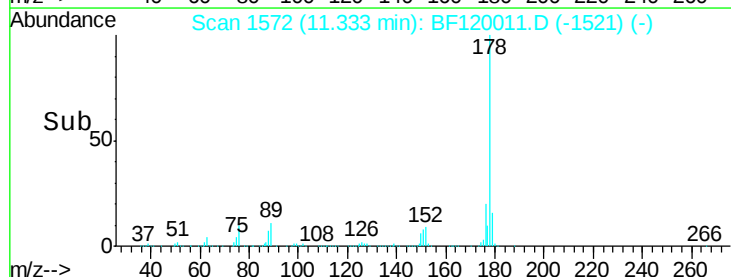
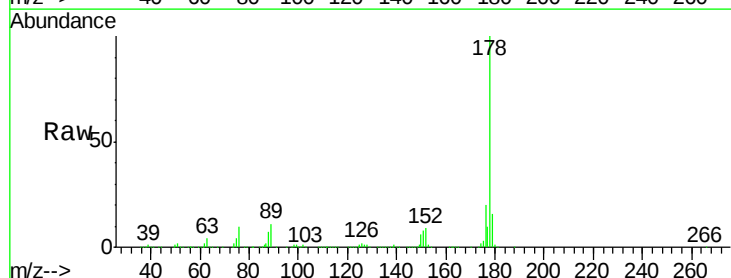
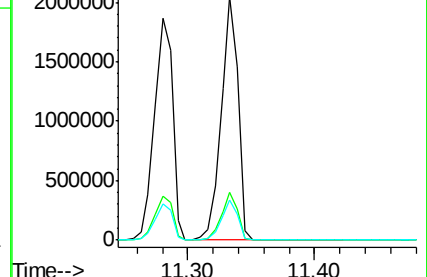
176 19.6 15.4 23.2

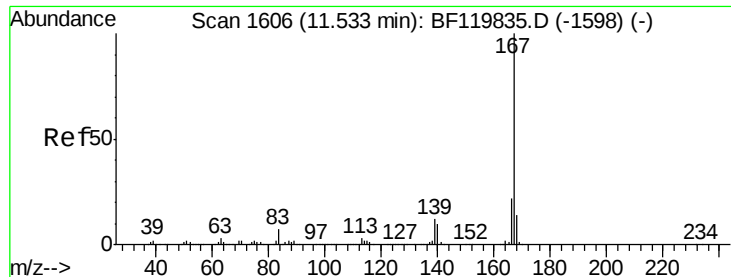
179 16.4 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





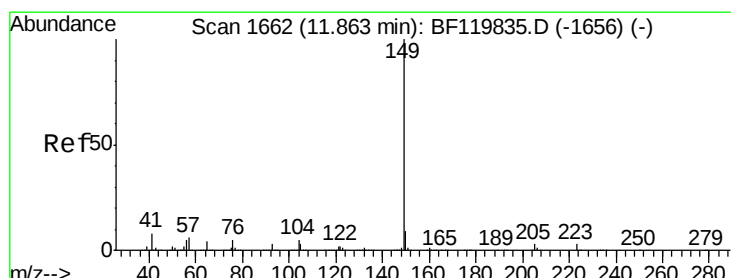
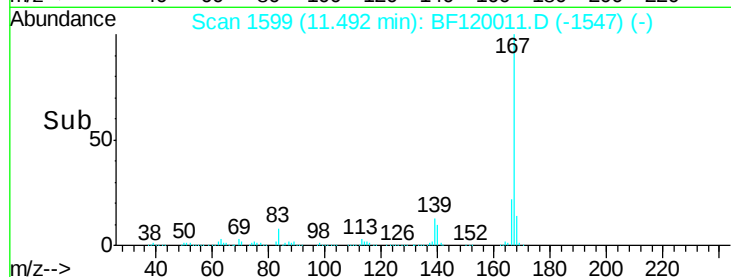
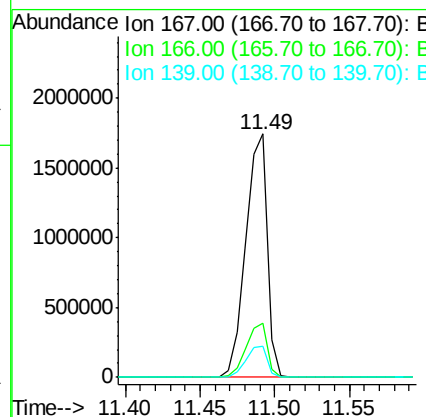
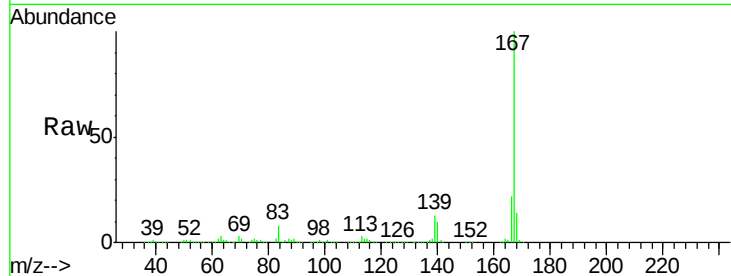
#73
 Carbazole
 Concen: 50.776 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion:167 Resp: 1747946
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 12.7 9.8 14.8

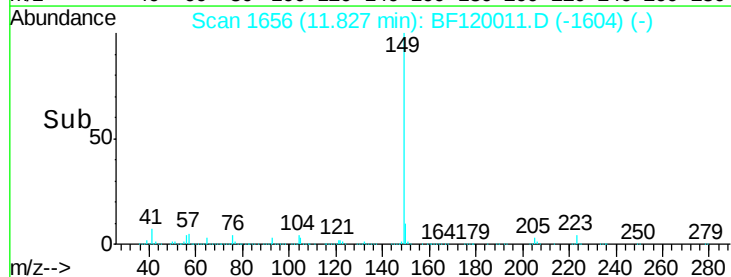
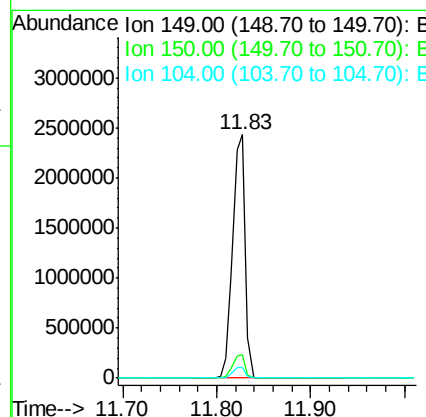
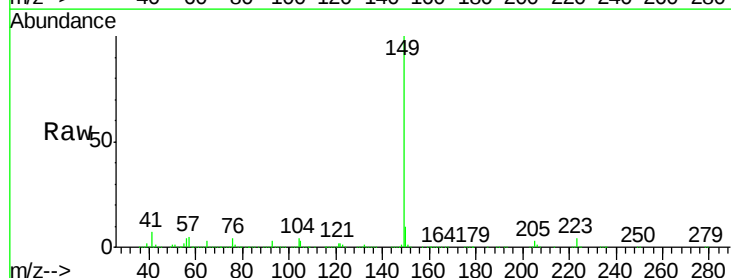
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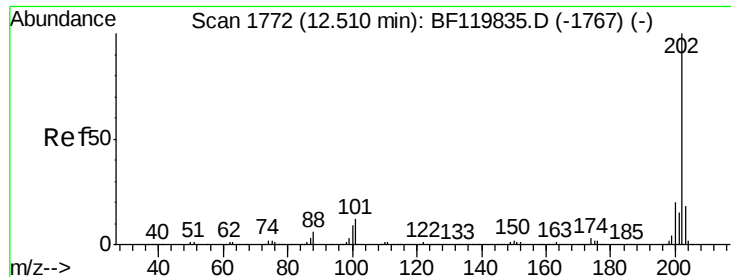
mohammad
 4/16/2020 12:52:57 PM



#74
 Di-n-butylphthalate
 Concen: 49.593 ng
 RT: 11.83 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion:149 Resp: 2244311
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.6 11.4
 104 4.5 3.8 5.6





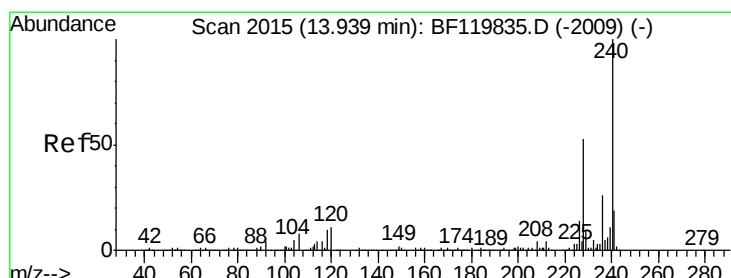
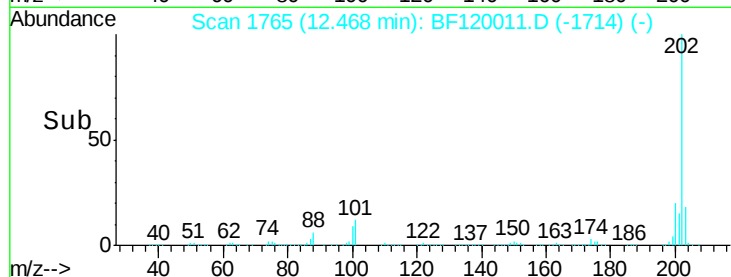
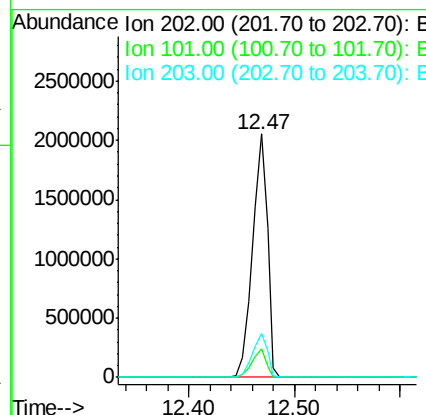
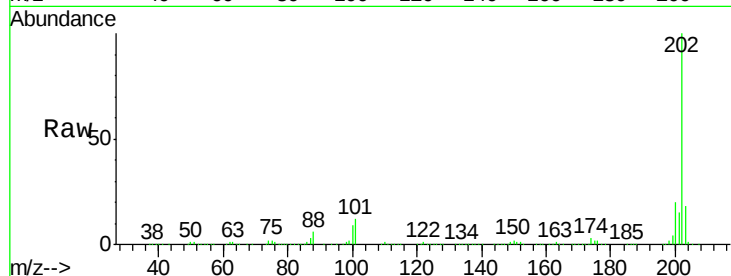
#75
Fluoranthene
Concen: 52.185 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.3
203	18.3	0.0	37.6

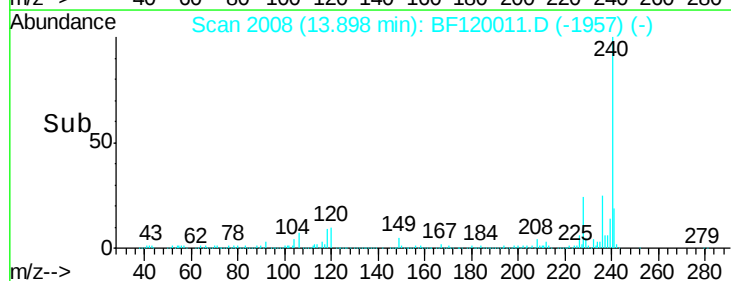
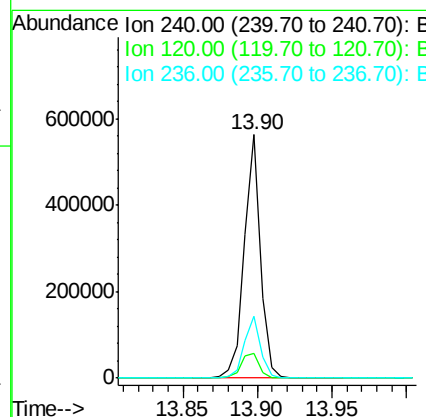
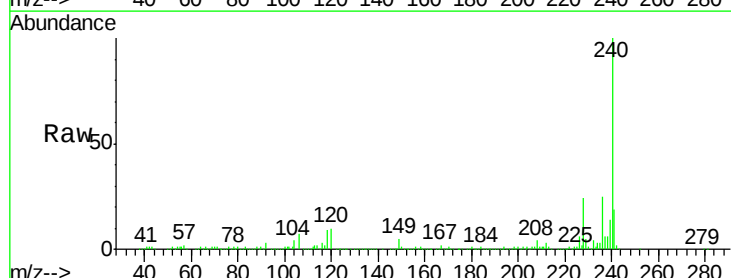
Manual Integrations
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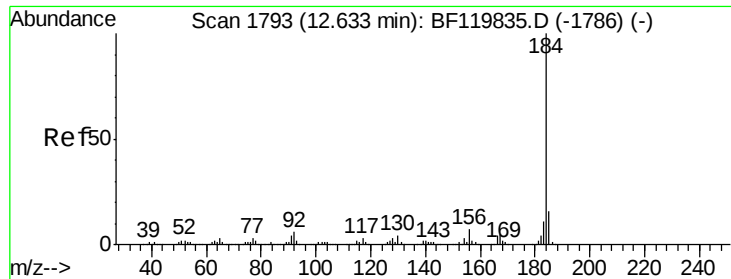
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.0	13.6
236	25.4	20.7	31.1





#77

Benzidine

Concen: 56.851 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

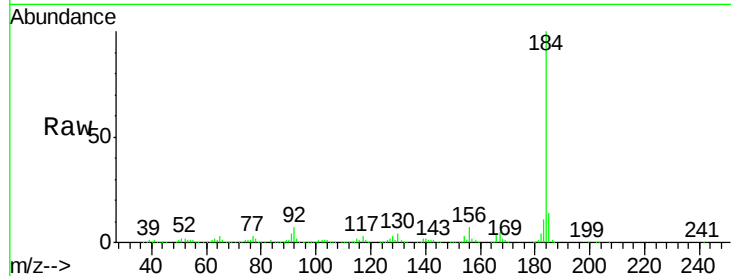
ClientSampleId :

TP-23-22-COMPMS

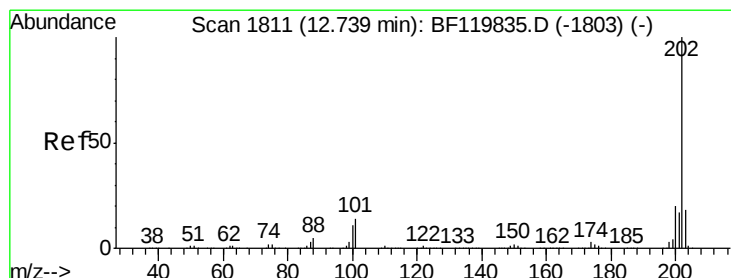
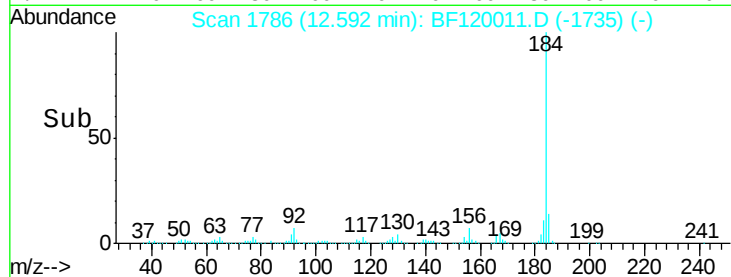
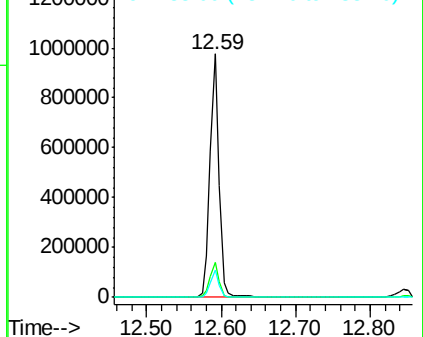
Tot Ion:	184	Resp:	819891
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.2	19.8
183	11.1	9.1	13.7

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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: 54.803 ng

RT: 12.70 min Scan# 1804

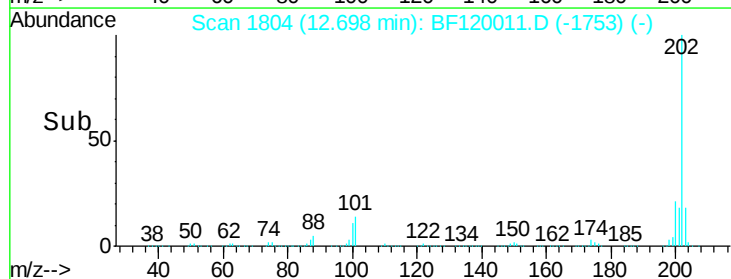
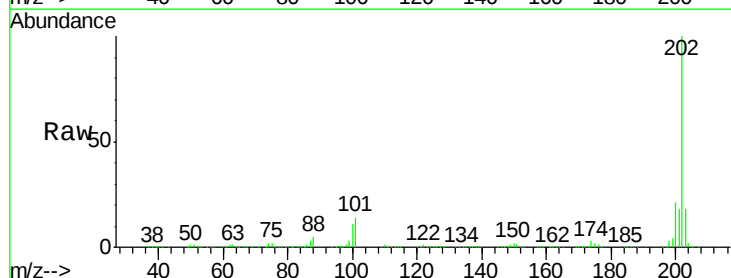
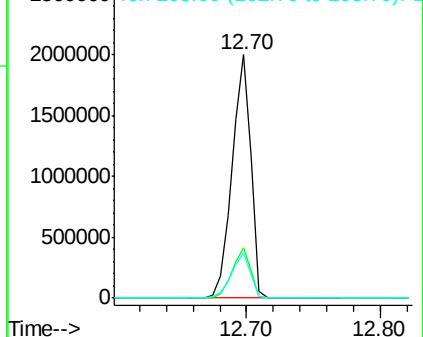
Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:	202	Resp:	1971097
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.2	24.2
203	18.3	14.1	21.1

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





#79

Terphenyl-d14

Concen: 108.495 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:244 Resp: 2750942

Ion Ratio Lower Upper

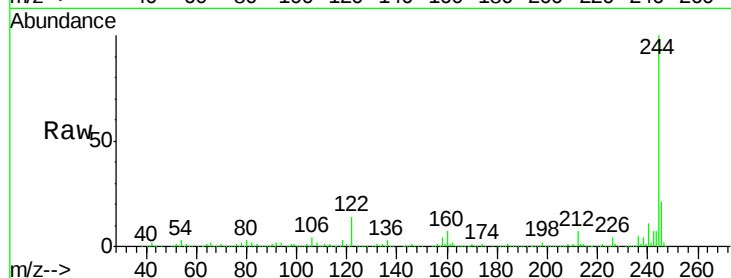
244 100

212 7.1 5.4 8.0

122 13.9 10.3 15.5

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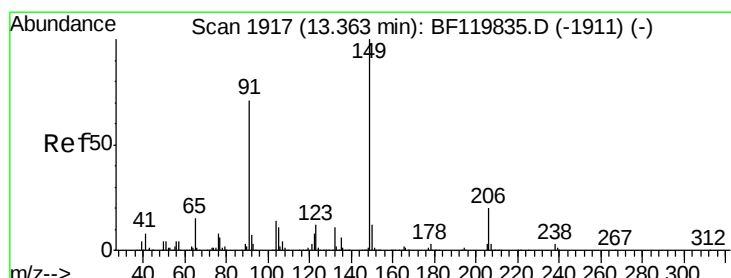
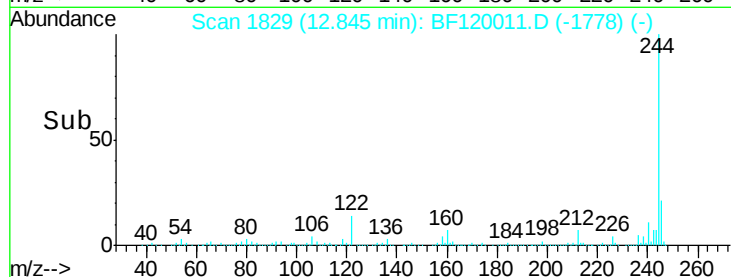
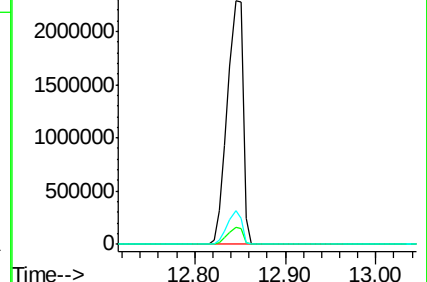
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 52.396 ng

RT: 13.32 min Scan# 1910

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

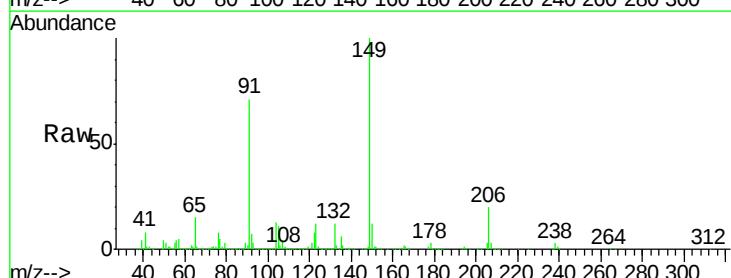
Tgt Ion:149 Resp: 914437

Ion Ratio Lower Upper

149 100

91 71.0 56.7 85.1

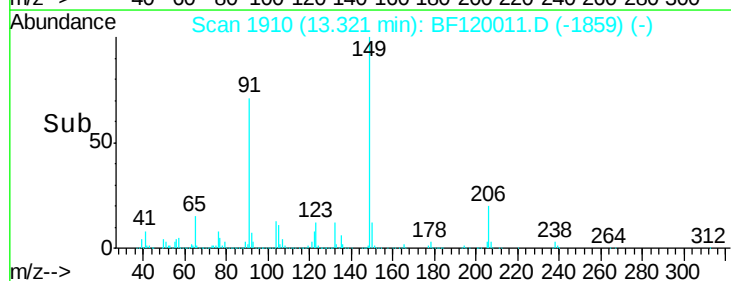
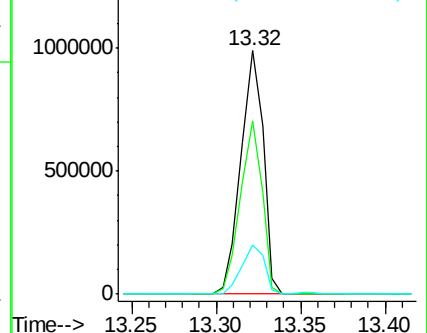
206 20.0 15.7 23.5



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: 52.941 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:228 Resp: 1485904

Ion Ratio Lower Upper

228 100

226 28.0 21.9 32.9

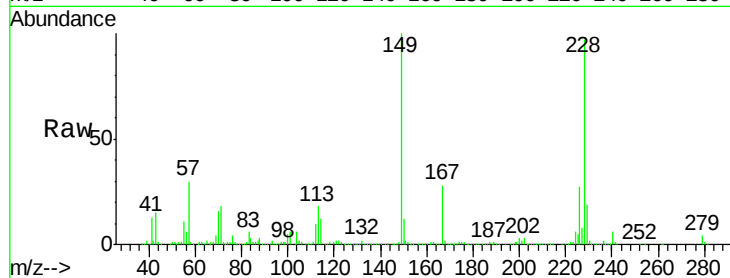
229 20.1 15.9 23.9

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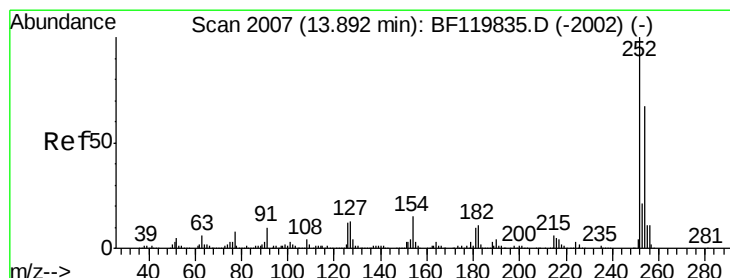
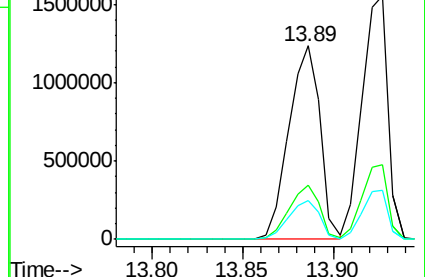
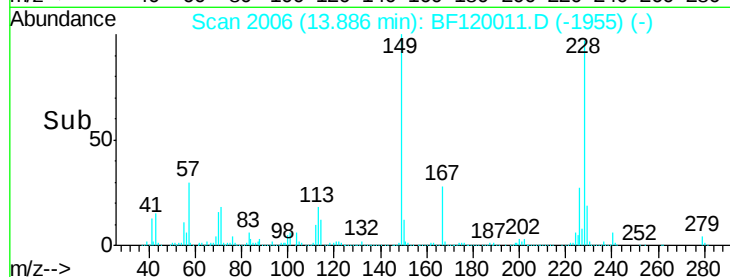
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.996 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

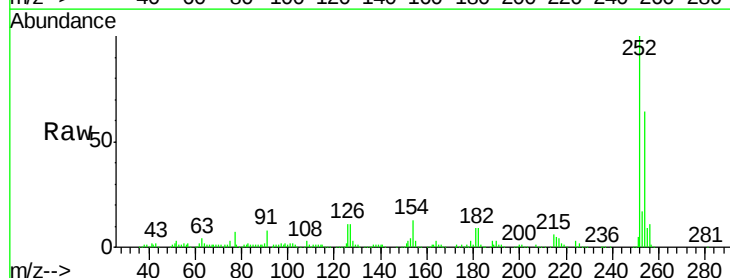
Tgt Ion:252 Resp: 272249

Ion Ratio Lower Upper

252 100

254 64.1 53.9 80.9

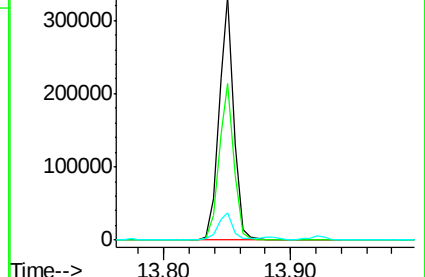
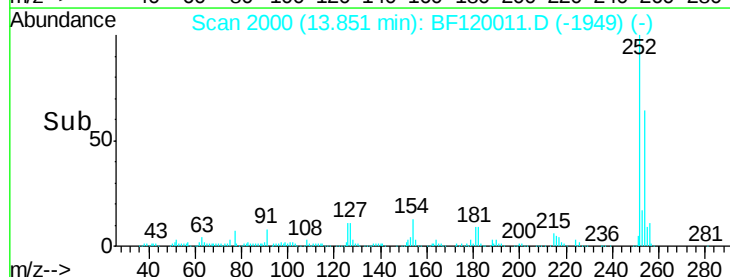
126 11.0 9.7 14.5

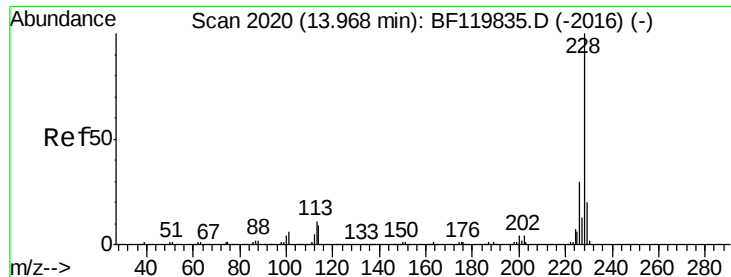


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





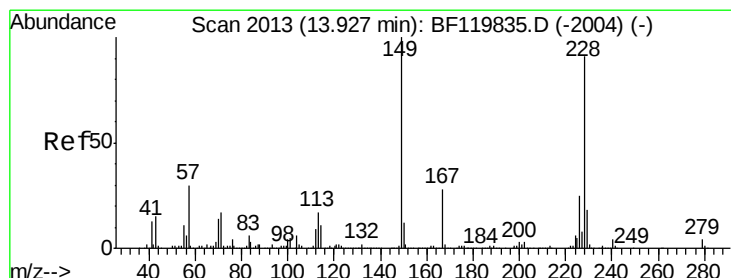
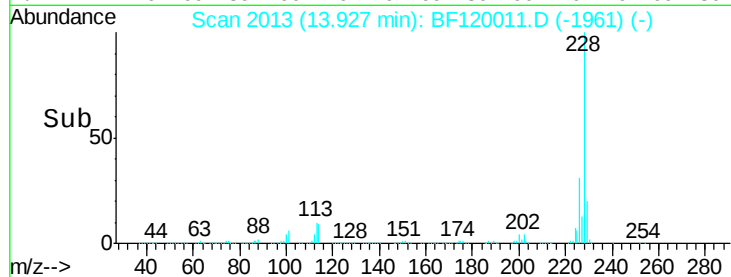
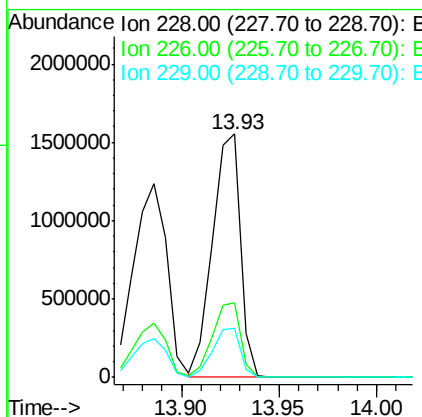
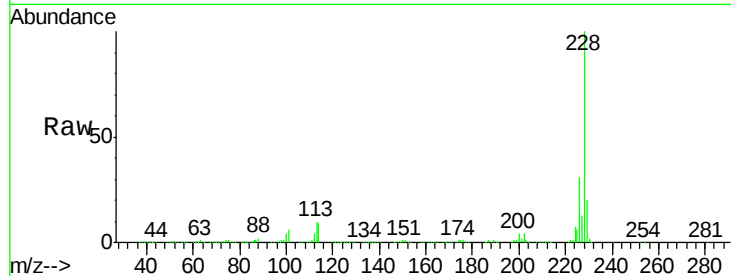
#83
 Chrvsene
 Concen: 54.276 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMS

Tot Ion:228 Resp: 1547887
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.2 36.2
 229 20.4 15.9 23.9

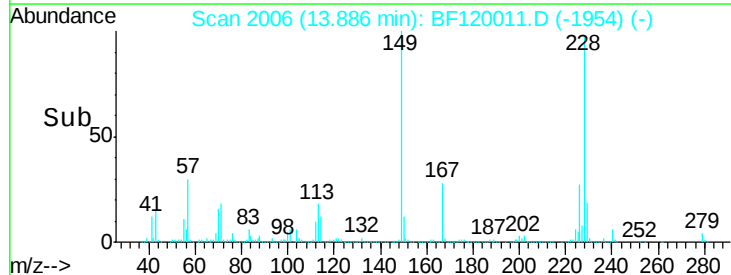
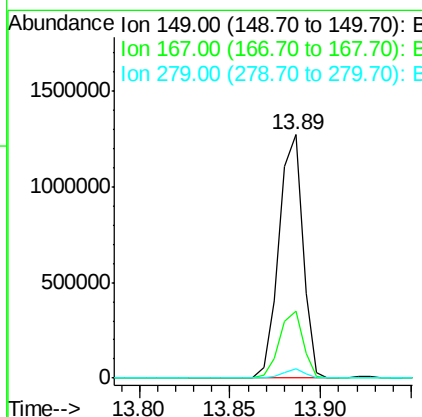
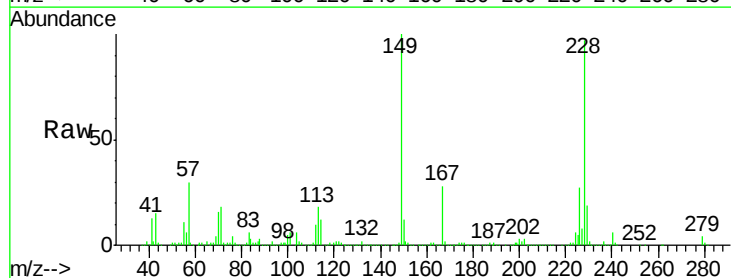
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.758 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: BF120011.D
 Acq: 16 Apr 2020 00:10

Tgt Ion:149 Resp: 1175980
 Ion Ratio Lower Upper
 149 100
 167 27.6 22.2 33.2
 279 3.9 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 49.165 ng

RT: 14.50 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:149 Resp: 1978428

Ion Ratio Lower Upper

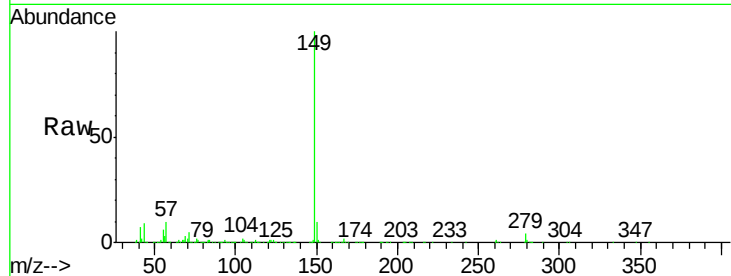
149 100

167 1.6 1.2 1.8

43 10.8 9.2 13.8

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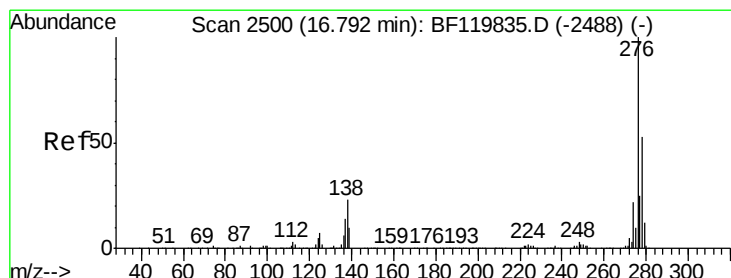
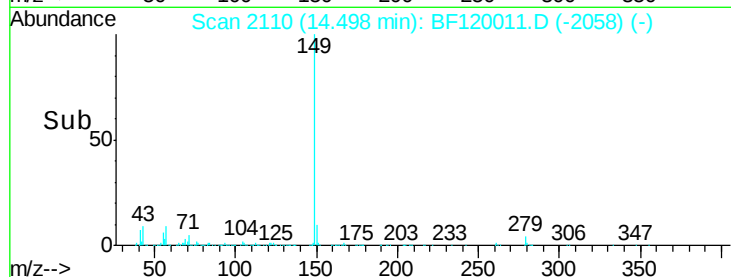
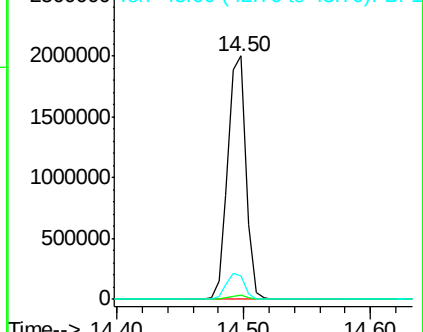
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 50.511 ng

RT: 16.70 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

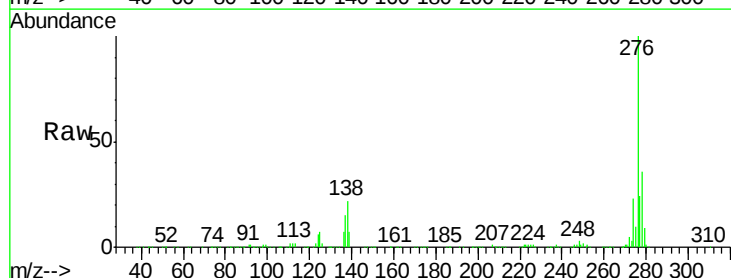
Tgt Ion:276 Resp: 1269807

Ion Ratio Lower Upper

276 100

138 25.0 18.0 27.0

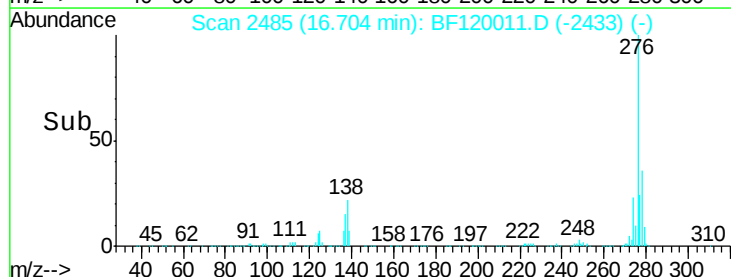
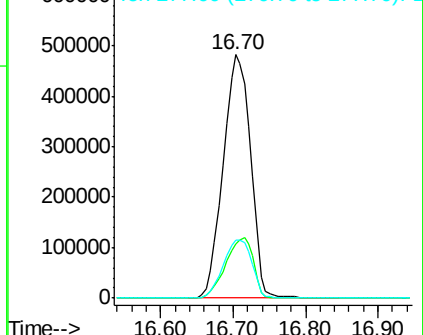
277 25.1 20.1 30.1

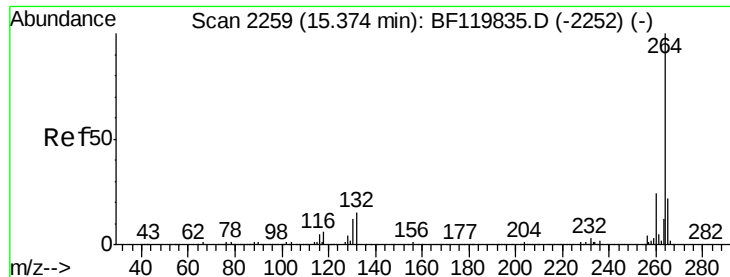


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

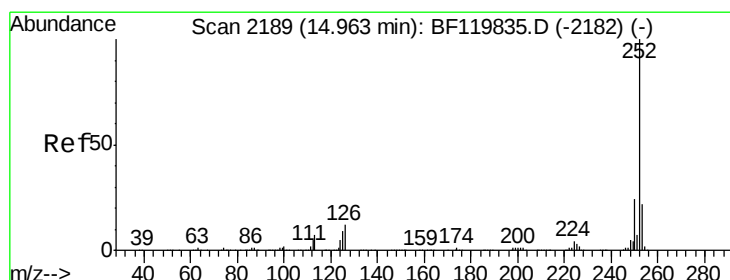
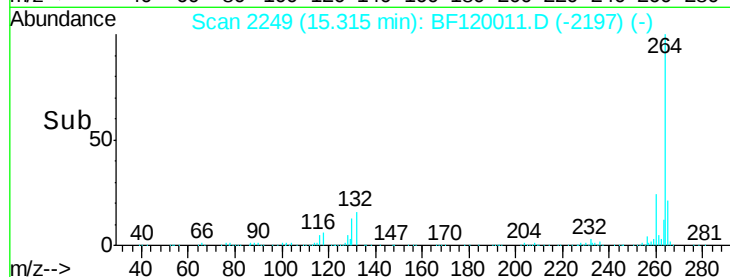
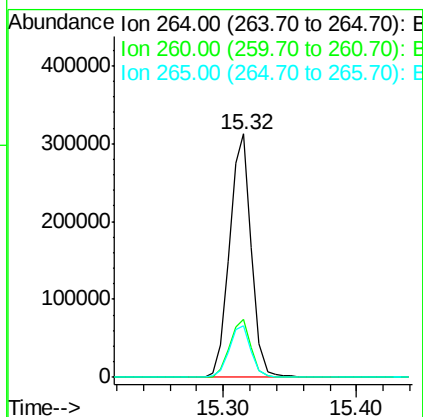
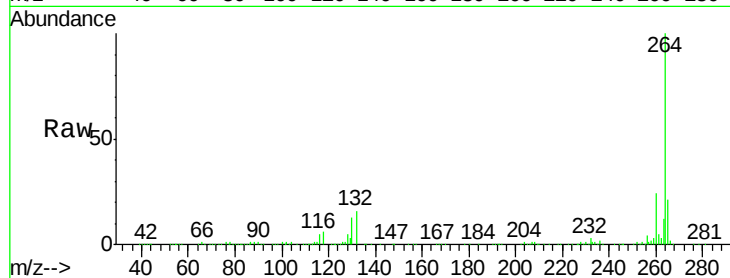
ClientSampleId :

TP-23-22-COMPMS

Tot Ion:	264	Resp:	357457
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.3	28.9
265	21.3	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 54.557 ng m

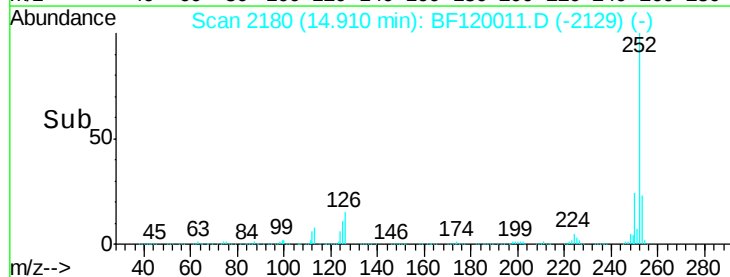
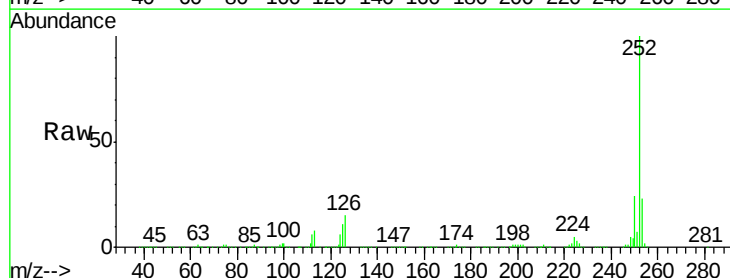
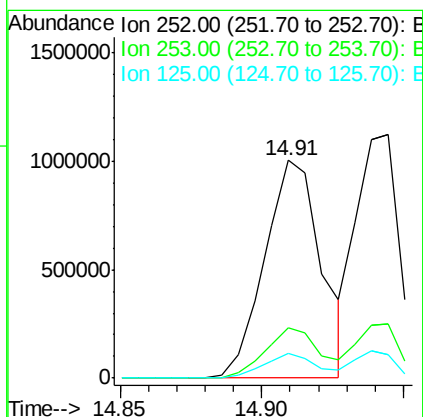
RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Tgt Ion:	252	Resp:	1402906
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	11.3	7.4	11.2#





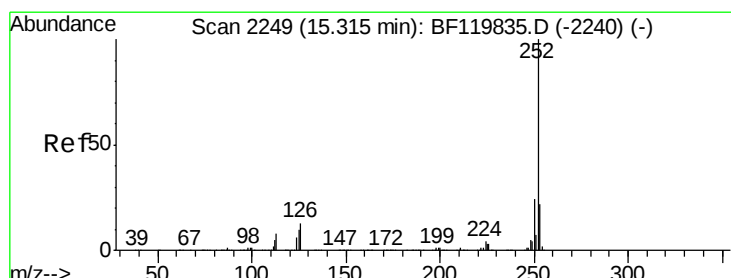
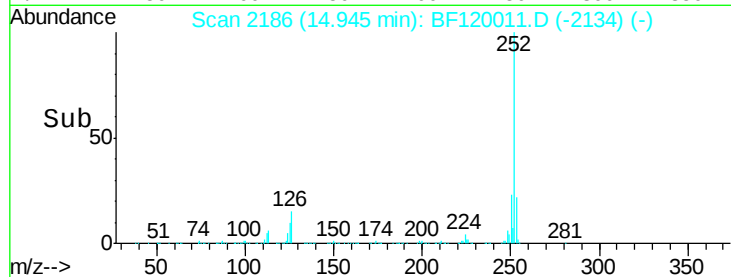
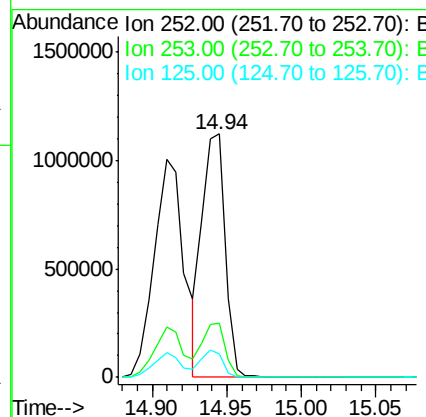
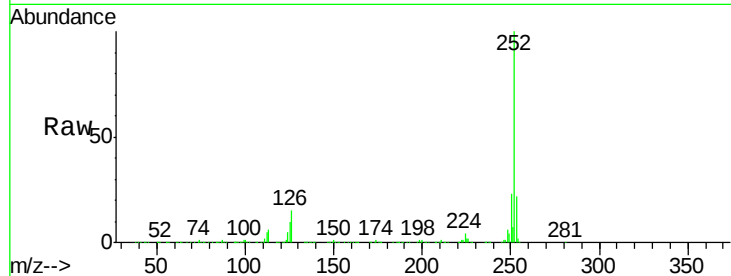
#89
Benzo(k)fluoranthene
Concen: 53.455 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMS

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	22.4	17.8	26.8	
125	9.9	7.7	11.5	

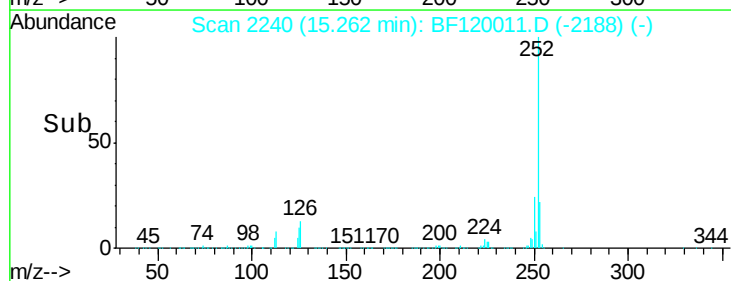
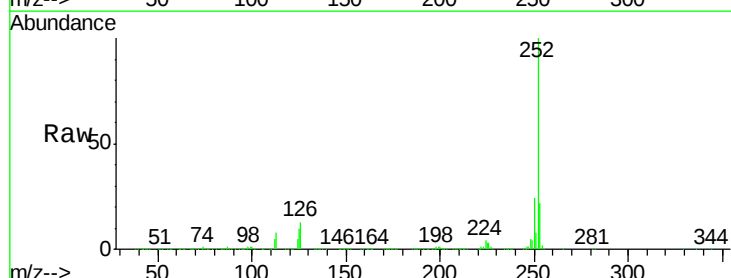
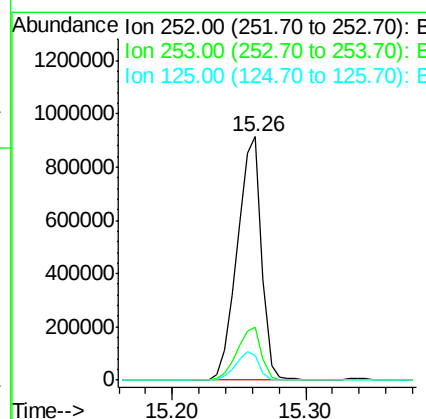
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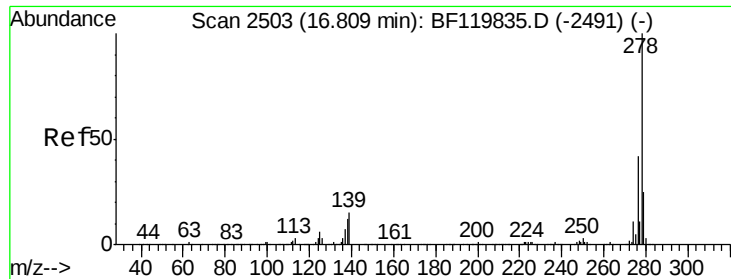
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#90
Benzo(a)pyrene
Concen: 53.626 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF120011.D
Acq: 16 Apr 2020 00:10

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	21.6	17.4	26.2	
125	10.2	8.3	12.5	





#91

Dibenzo(a,h)anthracene

Concen: 55.133 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMS

Tot Ion:278 Resp: 1055880

Ion Ratio Lower Upper

278 100

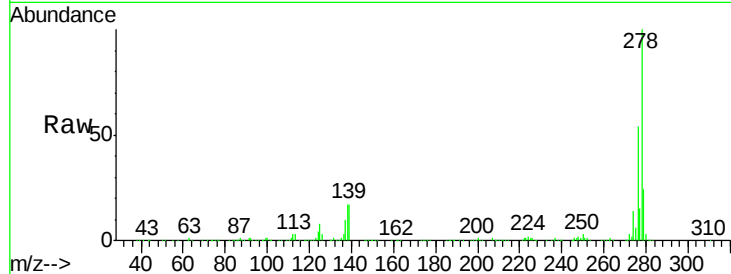
139 17.5 11.6 17.4#

279 23.9 19.7 29.5

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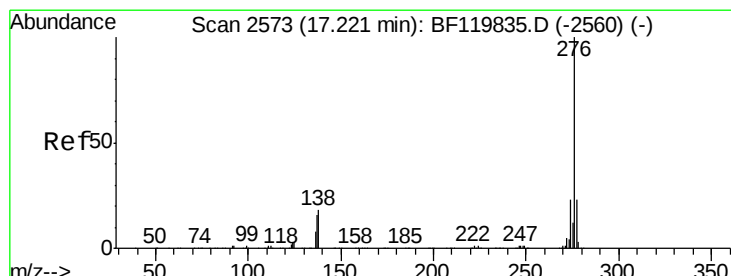
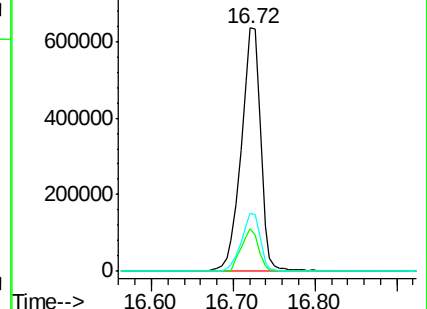
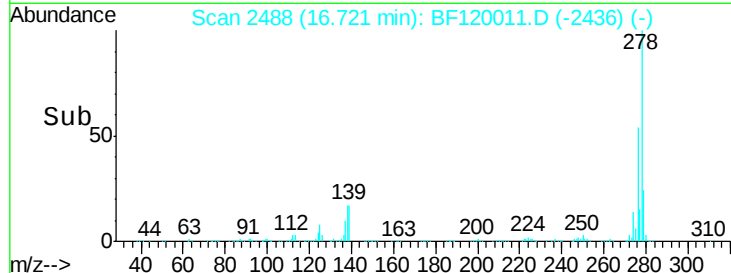
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 55.767 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BF120011.D

Acq: 16 Apr 2020 00:10

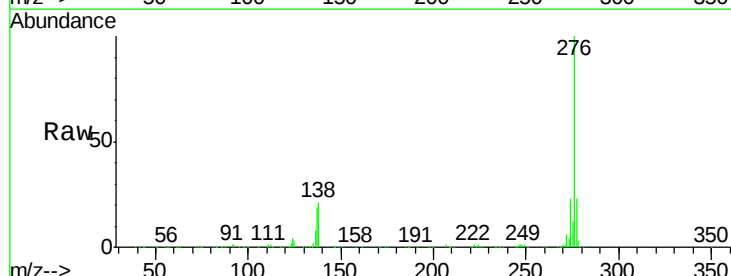
Tgt Ion:276 Resp: 1054255

Ion Ratio Lower Upper

276 100

277 23.4 18.5 27.7

138 20.8 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

