

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119337.D
 Acq On : 11 Mar 2020 6:29
 Operator : CG/JU
 Sample : L1826-01MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

Quant Time: Mar 11 09:16:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	118037	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	437625	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	216915	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	326055	20.00	ng	0.00
76) Chrysene-d12	13.89	240	245550	20.00	ng	0.00
87) Perylene-d12	15.32	264	210493	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	881143	124.75	ng	0.03
7) Phenol-d6	6.39	99	963443	112.16	ng	0.01
23) Nitrobenzene-d5	7.30	82	744443	89.82	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	302719	106.68	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1376281	93.47	ng	0.00
79) Terphenyl-d14	12.83	244	1244680	87.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	116755	37.127	ng	# 87
3) Pyridine	3.34	79	158832m	18.494	ng	
4) n-Nitrosodimethylamine	3.22	42	122314	47.014	ng	98
6) Aniline	6.40	93	88141	8.316	ng	# 1
8) 2-Chlorophenol	6.53	128	372193	48.829	ng	98
9) Benzaldehyde	6.28	77	236617	41.229	ng	99
10) Phenol	6.40	94	365208	39.323	ng	82
11) bis(2-Chloroethyl)ether	6.46	93	349168	49.136	ng	98
12) 1,3-Dichlorobenzene	6.67	146	406171	44.458	ng	98
13) 1,4-Dichlorobenzene	6.75	146	413160	45.192	ng	98
14) 1,2-Dichlorobenzene	6.90	146	374782	44.950	ng	99
15) Benzyl Alcohol	6.89	79	308624	49.711	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	277873	45.141	ng	# 41
17) 2-Methylphenol	7.01	107	285784	46.244	ng	93
18) Hexachloroethane	7.23	117	131297	40.142	ng	94
19) n-Nitroso-di-n-propylamine	7.15	70	260952	52.134	ng	96
20) 3+4-Methylphenols	7.17	107	386353	51.029	ng	# 84
22) Acetophenone	7.15	105	510478	50.415	ng	# 94
24) Nitrobenzene	7.32	77	386606	47.168	ng	97
25) Isophorone	7.56	82	694955	48.280	ng	99
26) 2-Nitrophenol	7.63	139	184466	42.476	ng	97
27) 2,4-Dimethylphenol	7.68	122	304830	51.719	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	423271	45.177	ng	98
29) 2,4-Dichlorophenol	7.89	162	313450	45.175	ng	97
30) 1,2,4-Trichlorobenzene	7.95	180	349429	42.475	ng	99
31) Naphthalene	8.03	128	1051062	46.310	ng	99
32) Benzoic acid	7.85	122	102845m	27.266	ng	
33) 4-Chloroaniline	8.10	127	71075	7.281	ng	99
34) Hexachlorobutadiene	8.15	225	218910	42.719	ng	99
35) Caprolactam	8.47	113	69973	32.751	ng	99
36) 4-Chloro-3-methylphenol	8.59	107	316073	45.011	ng	99
37) 2-Methylnaphthalene	8.72	142	696326	45.590	ng	98
38) 1-Methylnaphthalene	8.82	142	647468	45.075	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	344181	47.061	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	9467	12.533	nq	98
43) 2,4,6-Trichlorophenol	9.02	196	208504	45.146	nq	99
44) 2,4,5-Trichlorophenol	9.07	196	202253	41.733	nq	100
46) 1,1'-Biphenyl	9.19	154	823123	46.952	nq	98
47) 2-Chloronaphthalene	9.21	162	639969	45.300	nq	99
48) 2-Nitroaniline	9.32	65	186247	47.266	nq	93
49) Acenaphthylene	9.62	152	926020	45.384	nq	99
50) Dimethylphthalate	9.49	163	894274	53.914	nq	99
51) 2,6-Dinitrotoluene	9.56	165	158194	42.927	nq	# 80
52) Acenaphthene	9.80	154	554157	45.041	nq	99
53) 3-Nitroaniline	9.73	138	74319	18.191	nq	99
54) 2,4-Dinitrophenol	9.87	184	17014m	16.087	nq	
55) Dibenzofuran	9.97	168	805786	43.878	nq	99
56) 4-Nitrophenol	9.93	139	67544	27.517	nq	91
57) 2,4-Dinitrotoluene	9.97	165	181833	38.067	nq	# 84
58) Fluorene	10.31	166	629169	44.091	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.10	232	166259	40.657	nq	98
60) Diethylphthalate	10.19	149	761174	48.695	nq	99
61) 4-Chlorophenyl-phenylether	10.30	204	344508	45.610	nq	98
62) 4-Nitroaniline	10.35	138	132102	31.604	nq	93
63) Azobenzene	10.46	77	618362	45.512	nq	95
65) 4,6-Dinitro-2-methylphenol	10.39	198	17352	8.795	nq	94
66) n-Nitrosodiphenylamine	10.42	169	564606	52.884	nq	100
67) 4-Bromophenyl-phenylether	10.79	248	211033	49.516	nq	96
68) Hexachlorobenzene	10.87	284	226146	46.023	nq	94
69) Atrazine	10.95	200	182315	48.876	nq	98
70) Pentachlorophenol	11.07	266	151630	76.604	nq	99
71) Phenanthrene	11.27	178	821086	46.177	nq	99
72) Anthracene	11.32	178	852063	47.959	nq	98
73) Carbazole	11.48	167	722058	45.619	nq	98
74) Di-n-butylphthalate	11.80	149	1068011	55.719	nq	98
75) Fluoranthene	12.46	202	854594	45.278	nq	97
77) Benzidine	12.58	184	166474	16.670	nq	97
78) Pyrene	12.69	202	855235	43.375	nq	98
80) Butylbenzylphthalate	13.30	149	390984	47.115	nq	97
81) Benzo(a)anthracene	13.88	228	813297	48.610	nq	98
82) 3,3'-Dichlorobenzidine	13.83	252	249787	38.448	nq	# 99
83) Chrysene	13.92	228	764101	45.834	nq	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	568037	54.182	nq	98
85) Di-n-octyl phthalate	14.46	149	949082	56.817	nq	99
86) Indeno(1,2,3-cd)pyrene	16.73	276	576636	35.723	nq	100
88) Benzo(b)fluoranthene	14.91	252	728860	52.532	nq	99
89) Benzo(k)fluoranthene	14.94	252	605289	47.076	nq	99
90) Benzo(a)pyrene	15.26	252	562591	44.928	nq	99
91) Dibenzo(a,h)anthracene	16.73	278	492381	44.689	nq	99
92) Benzo(g,h,i)perylene	17.16	276	468825	43.065	nq	98

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

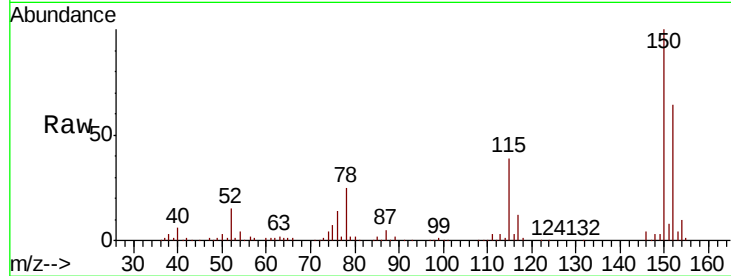


#1

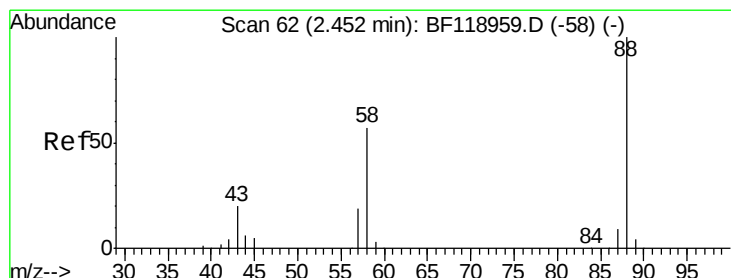
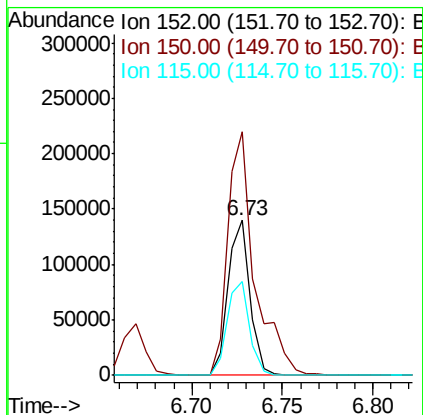
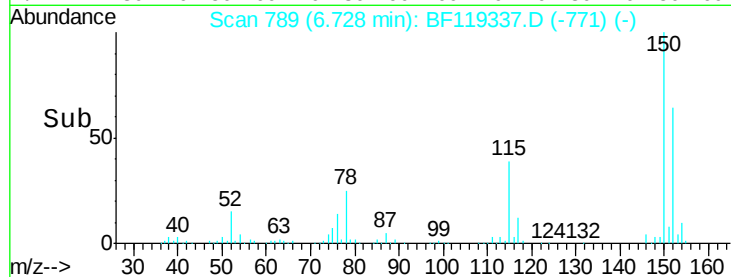
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.0	184.6
115	61.0	49.5	74.3



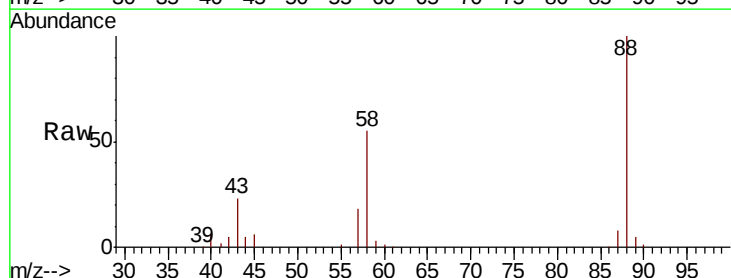
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



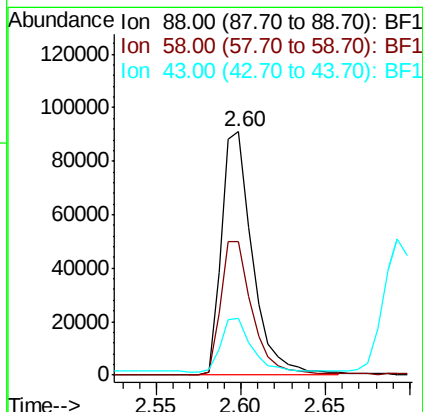
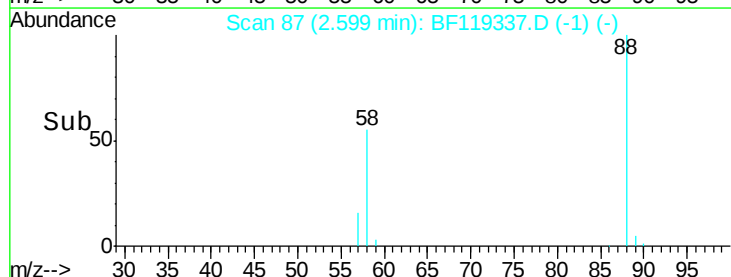
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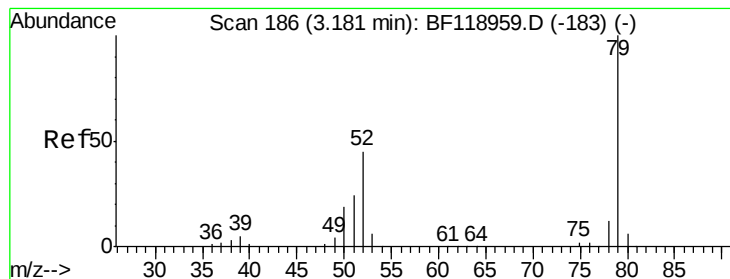
1,4-Dioxane
 Concen: 37.127 ng
 RT: 2.60 min Scan# 87
 Delta R.T. 0.22 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.0	43.8	65.6
43	0.0	16.2	24.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 18.494 ng/ml

RT: 3.34 min Scan# 213

Delta R.T. 0.24 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

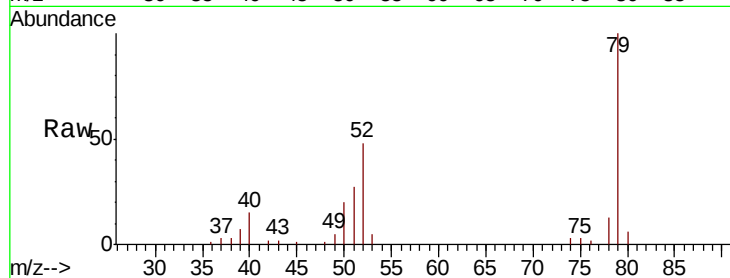
Tot Ion: 79 Resp: 158832

Ion Ratio Lower Upper

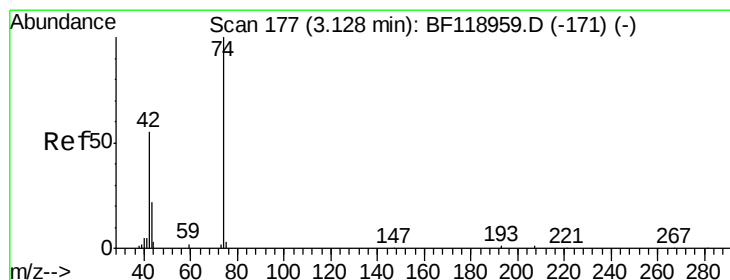
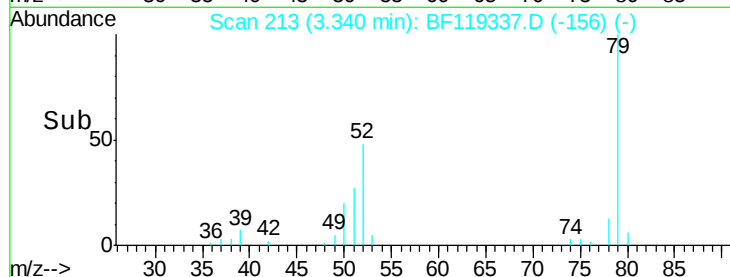
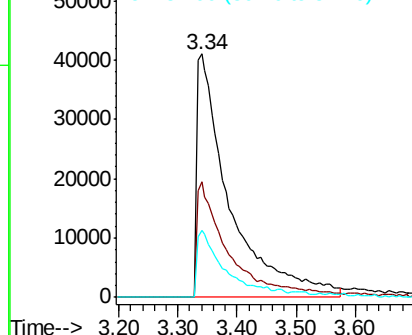
79 100

52 47.6 37.4 56.0

51 27.5 19.8 29.6



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 47.014 ng/ml

RT: 3.22 min Scan# 192

Delta R.T. 0.16 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

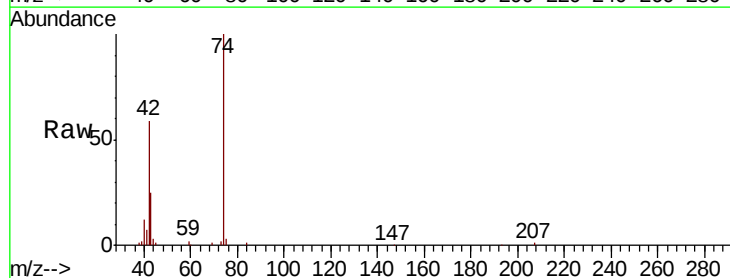
Tgt Ion: 42 Resp: 122314

Ion Ratio Lower Upper

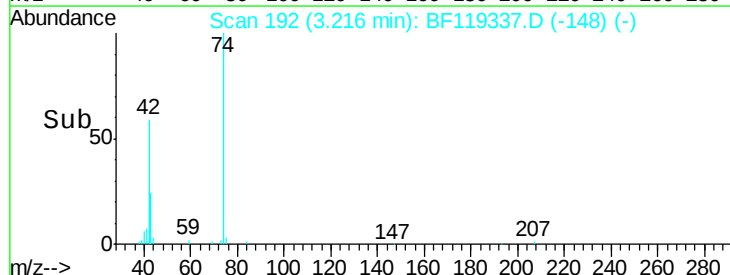
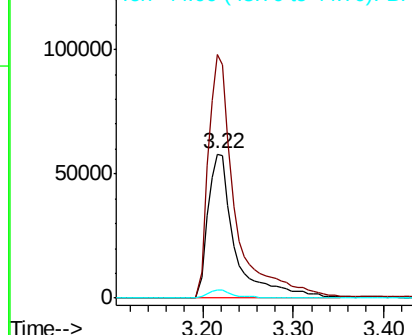
42 100

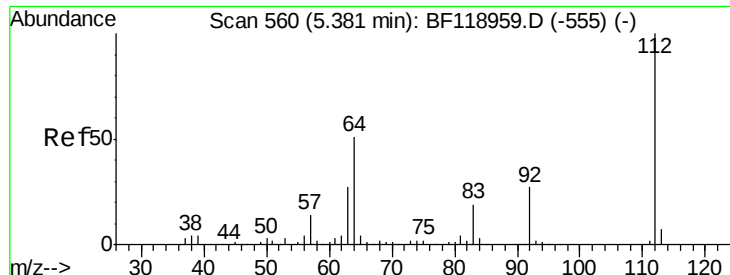
74 168.9 137.7 206.5

44 5.6 4.5 6.7



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1

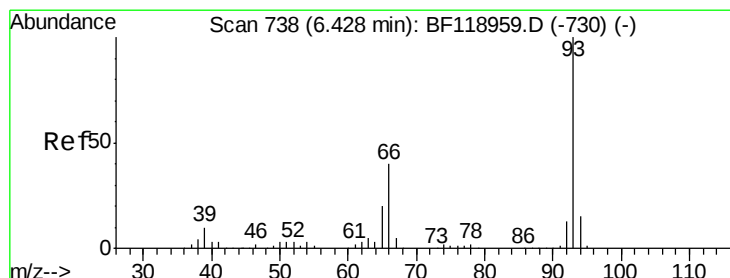
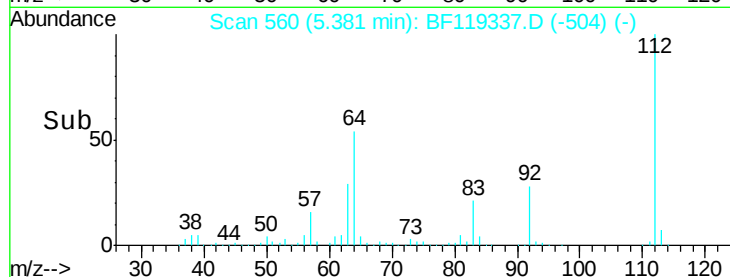
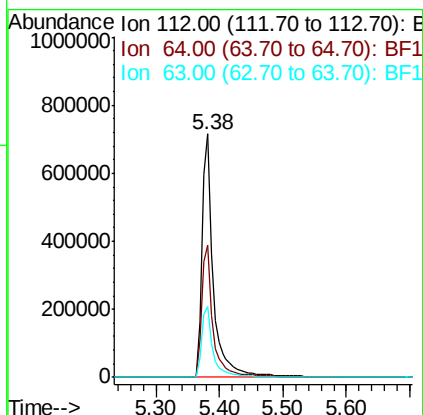
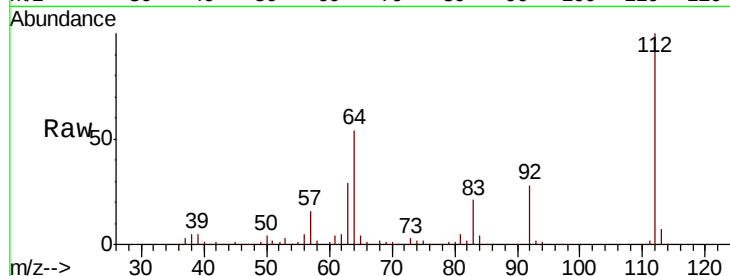




#5
 2-Fluorophenol
 Concen: 124.753 ng
 RT: 5.38 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

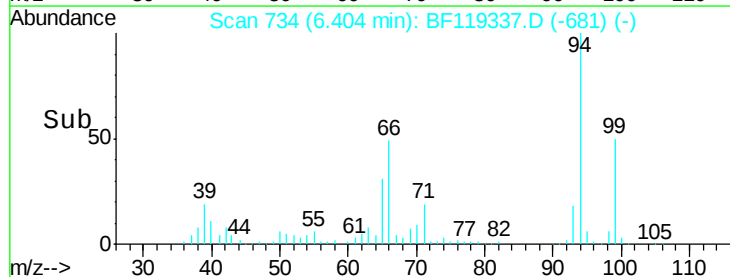
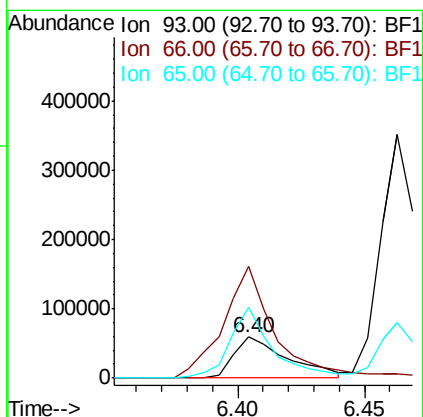
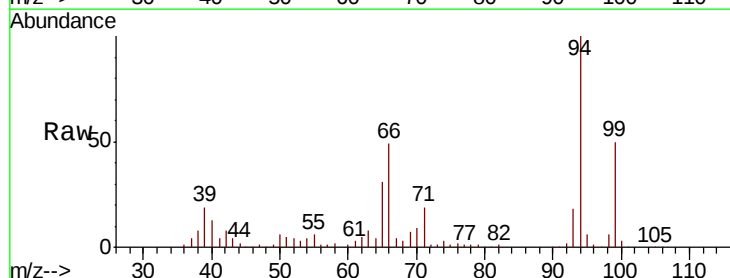
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.0	67.4
63	29.0	24.2	36.4



#6
 Aniline
 Concen: 8.316 ng
 RT: 6.40 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
93	100		
66	273.9	74.5	111.7#
65	172.4	45.3	67.9#





#7

Phenol-d6

Concen: 112.158 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

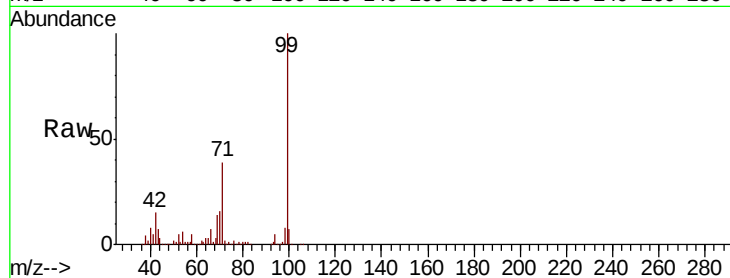
Tot Ion: 99 Resp: 963443

Ion Ratio Lower Upper

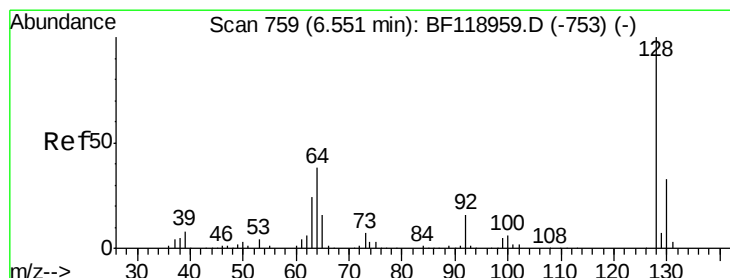
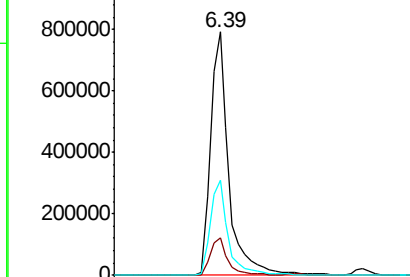
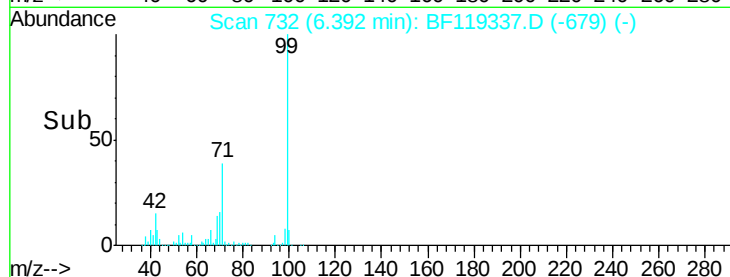
99 100

42 15.4 12.6 18.8

71 39.2 31.0 46.4



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: 48.829 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

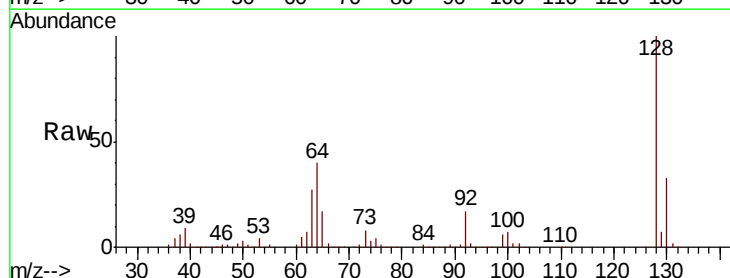
Tgt Ion: 128 Resp: 372193

Ion Ratio Lower Upper

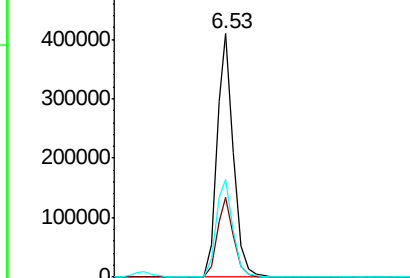
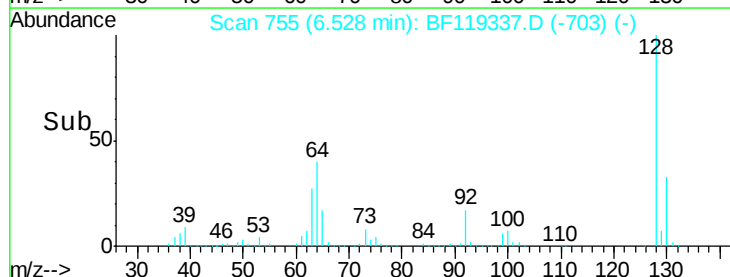
128 100

130 33.0 12.7 52.7

64 40.3 22.3 62.3



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: 41.229 ng

RT: 6.28 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

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ClientSampleId :

MC5B39MSD

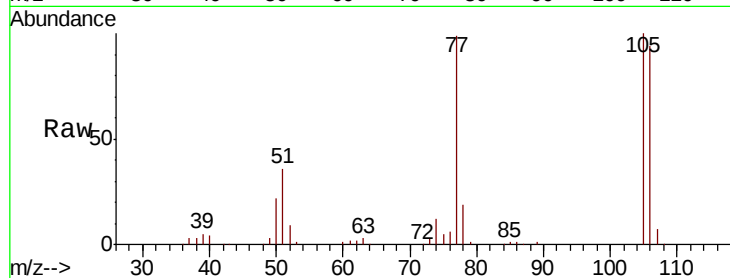
Tot Ion: 77 Resp: 236617

Ion Ratio Lower Upper

77 100

105 100.7 80.1 120.1

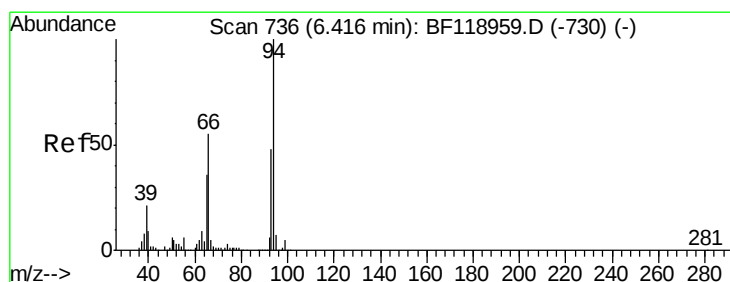
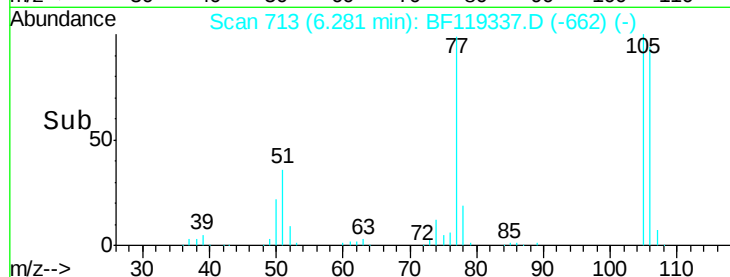
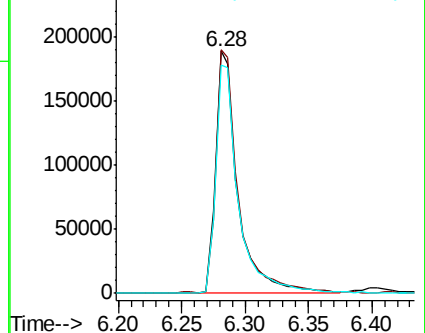
106 94.3 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.323 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

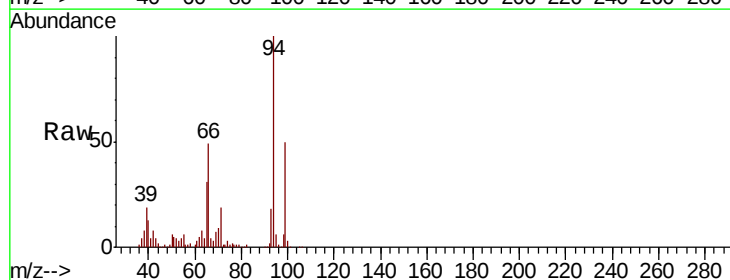
Tgt Ion: 94 Resp: 365208

Ion Ratio Lower Upper

94 100

65 30.6 19.2 59.2

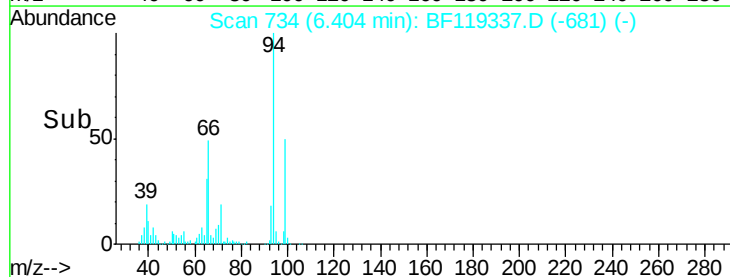
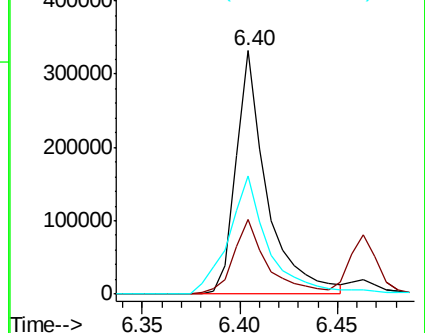
66 48.6 44.4 84.4



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

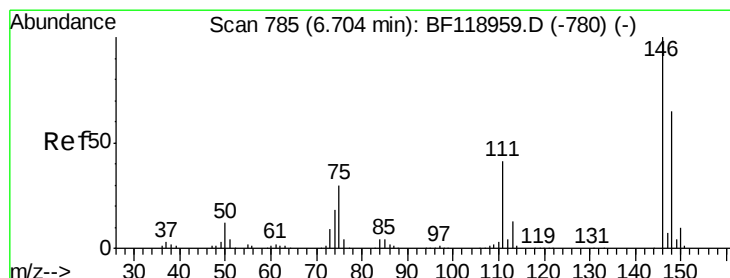
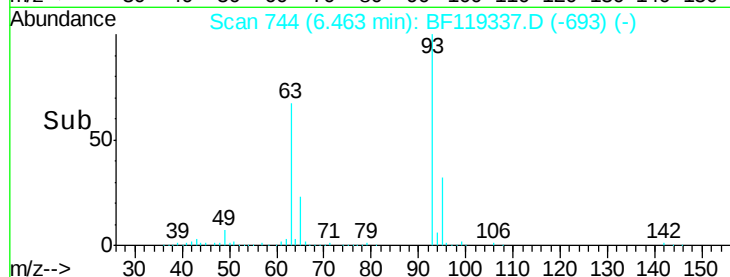
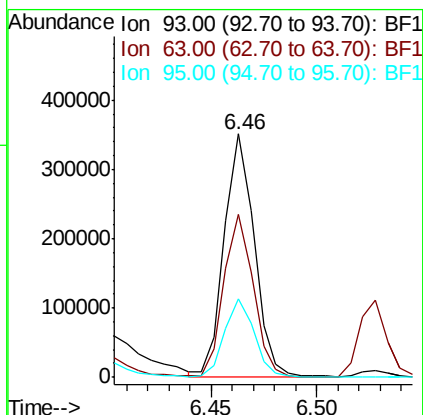
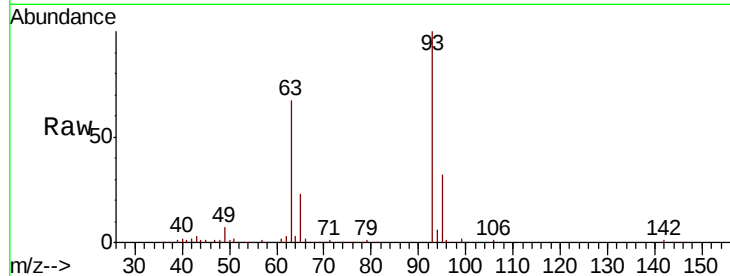




#11
bis(2-Chloroethyl)ether
Concen: 49.136 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

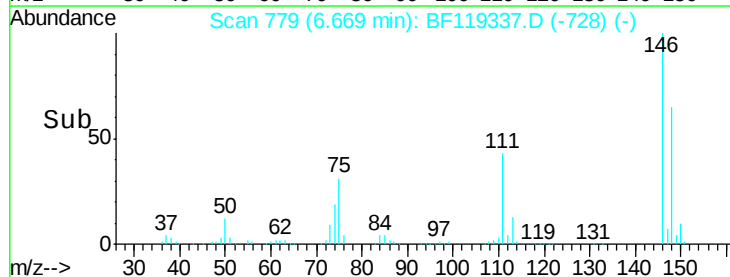
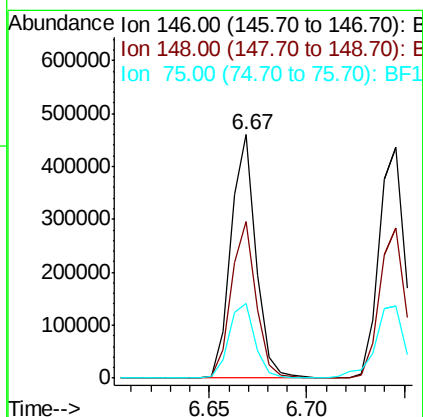
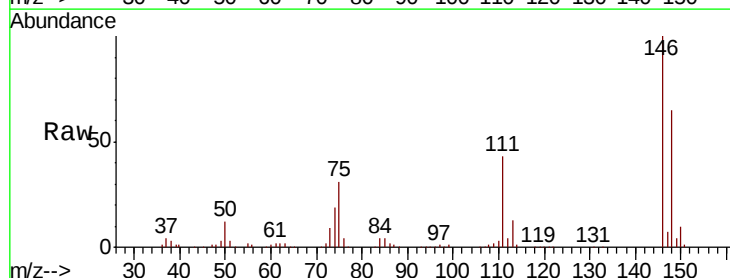
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

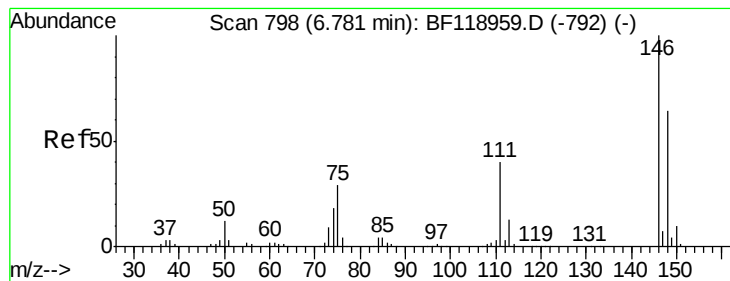
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.1	45.4	85.4
95	32.3	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 44.458 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.5	78.7
75	30.5	23.6	35.4





#13

1,4-Dichlorobenzene

Concen: 45.192 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

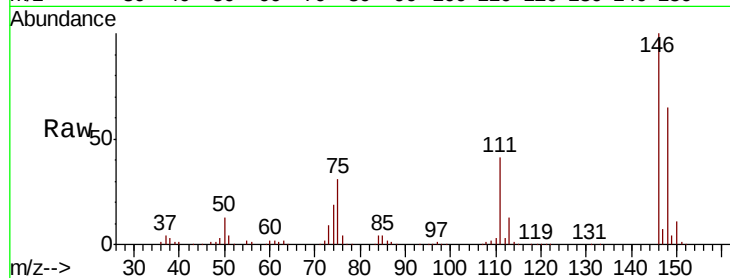
Tot Ion:146 Resp: 413160

Ion Ratio Lower Upper

146 100

148 65.2 51.1 76.7

111 41.3 34.8 52.2



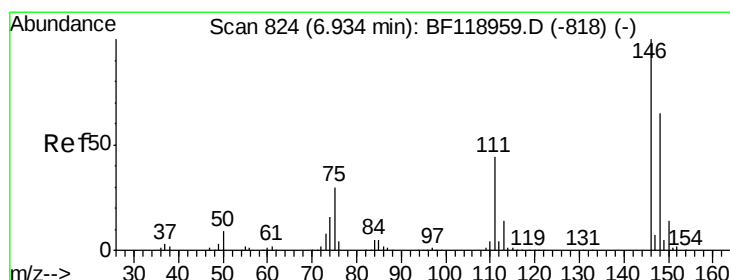
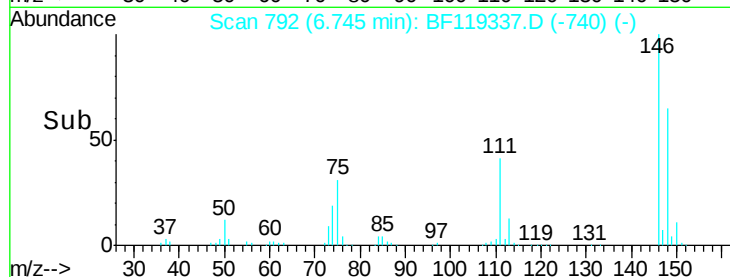
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.75

Time-->



#14

1,2-Dichlorobenzene

Concen: 44.950 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

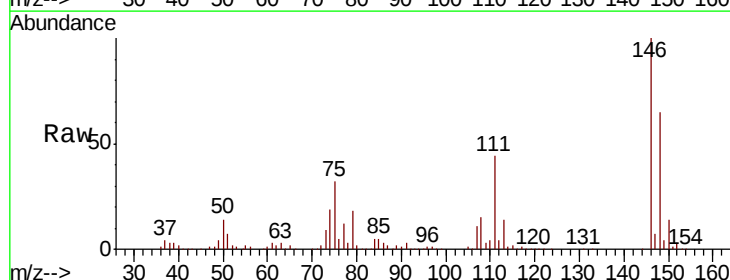
Tgt Ion:146 Resp: 374782

Ion Ratio Lower Upper

146 100

148 64.7 51.9 77.9

111 44.2 36.2 54.2



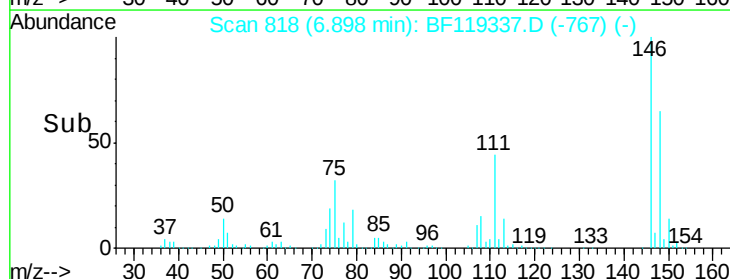
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.90

Time-->





#15

Benzyl Alcohol

Concen: 49.711 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

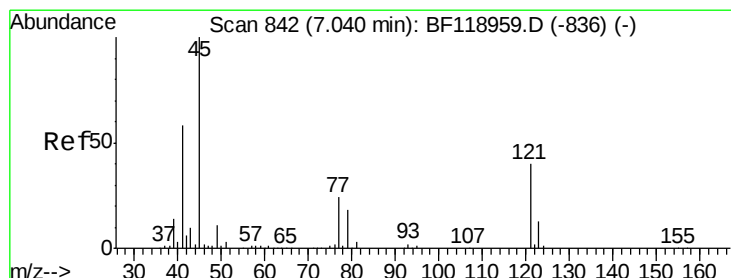
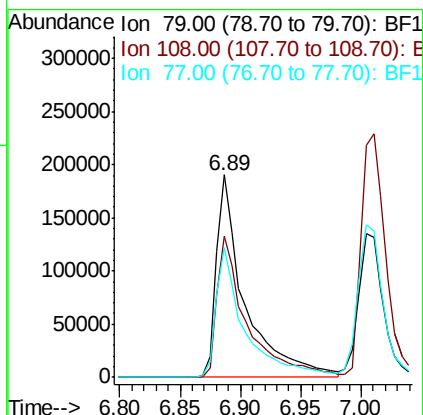
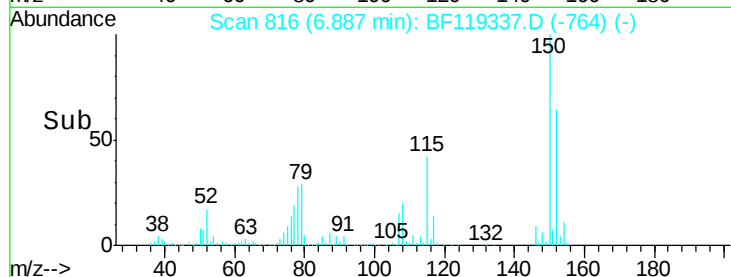
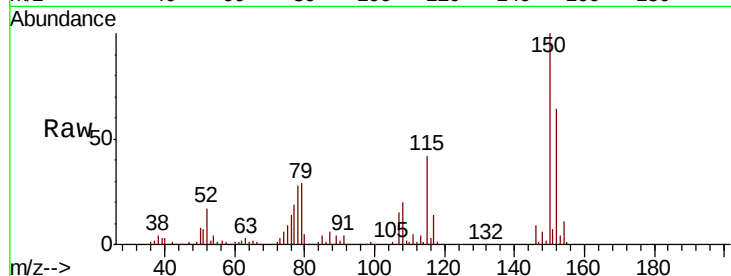
Tot Ion: 79 Resp: 308624

Ion Ratio Lower Upper

79 100

108 70.2 58.2 87.2

77 64.0 51.2 76.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.141 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

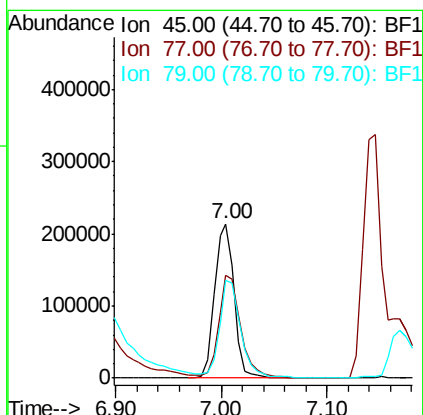
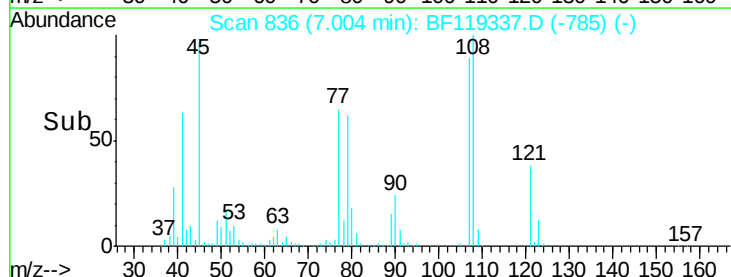
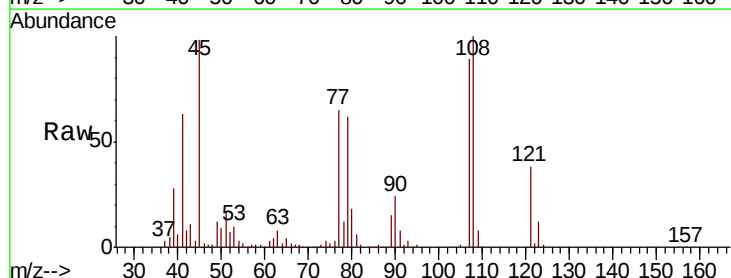
Tgt Ion: 45 Resp: 277873

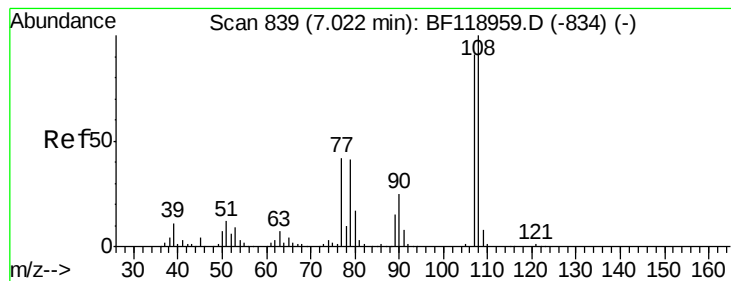
Ion Ratio Lower Upper

45 100

77 67.0 15.0 55.0#

79 63.0 9.4 49.4#





#17

2-Methylphenol

Concen: 46.244 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

Tot Ion:107 Resp: 285784

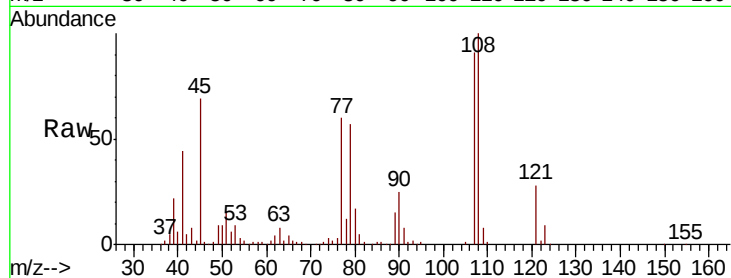
Ion Ratio Lower Upper

107 100

108 110.1 87.9 131.9

77 66.2 45.3 67.9

79 63.1 43.0 64.4



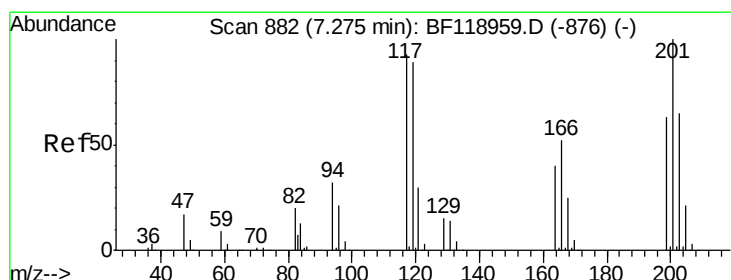
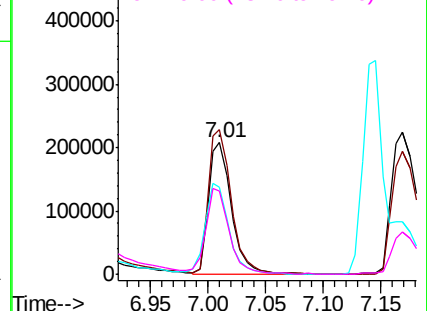
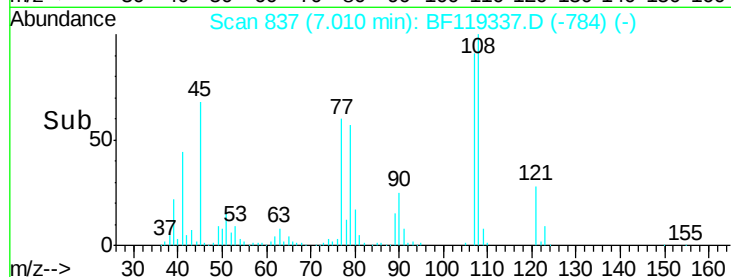
Abundance

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: 40.142 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

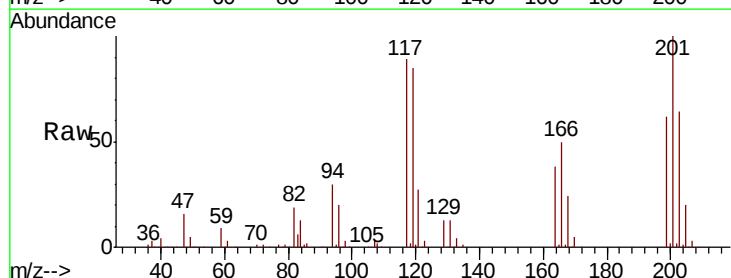
Tgt Ion:117 Resp: 131297

Ion Ratio Lower Upper

117 100

119 94.8 77.5 116.3

201 112.2 82.6 123.8

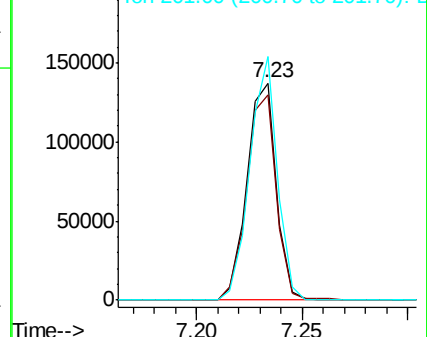
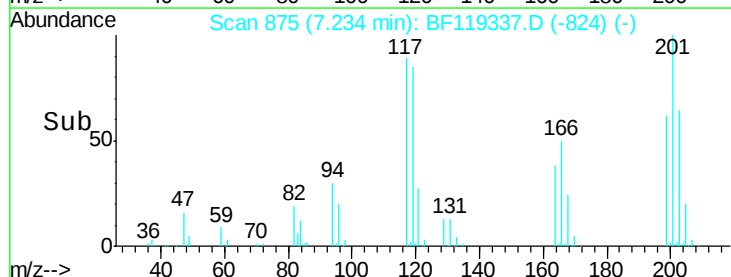


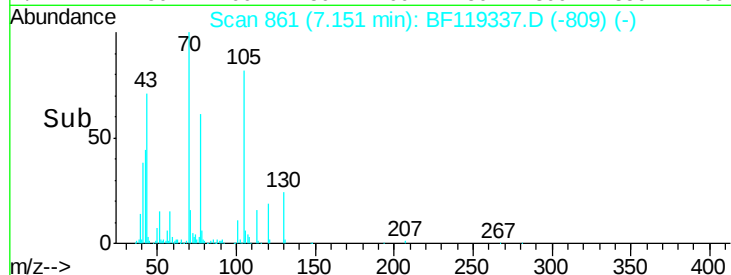
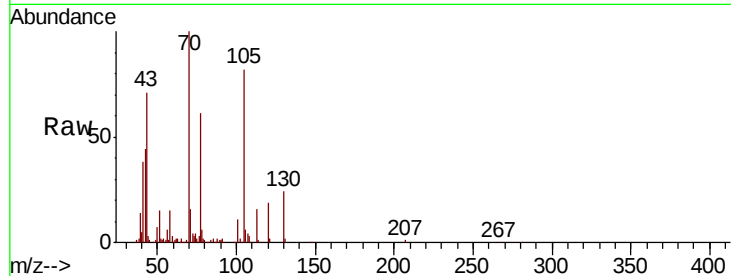
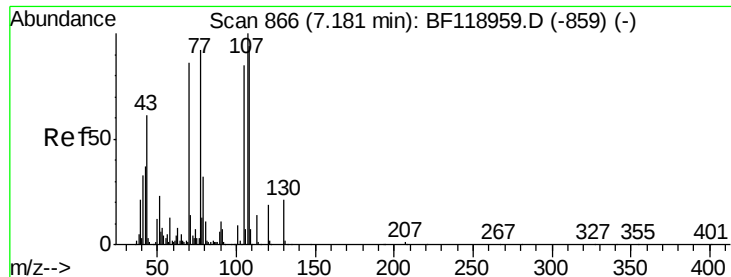
Abundance

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

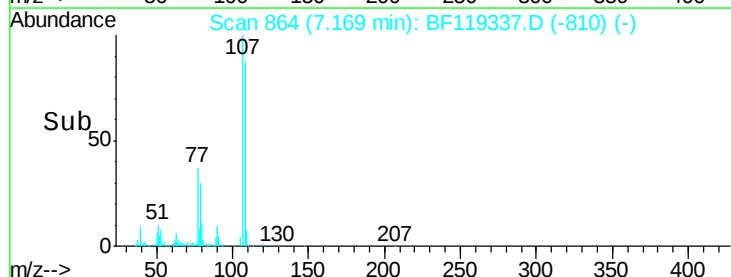
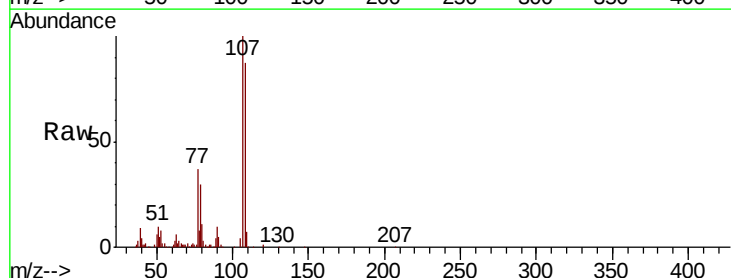
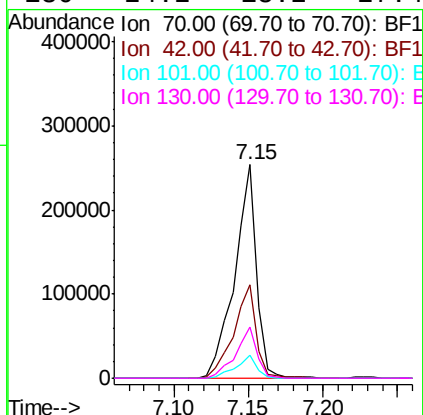




#19
n-Nitroso-di-n-propylamine
Concen: 52.134 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

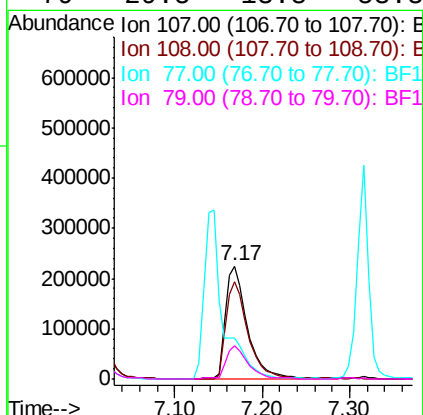
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

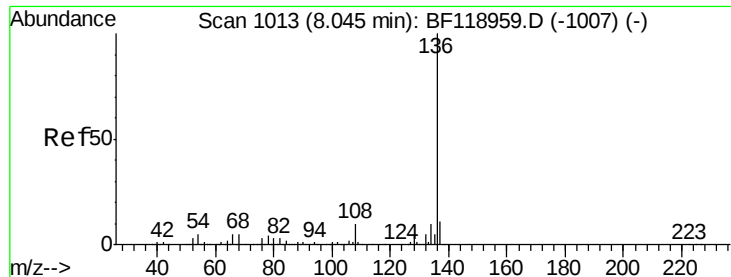
Tot Ion:	70	Resp:	260952
Ion	Ratio	Lower	Upper
70	100		
42	43.7	38.0	57.0
101	10.7	8.2	12.4
130	24.2	18.2	27.4



#20
3+4-Methylphenols
Concen: 51.029 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.02 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion:	107	Resp:	386353
Ion	Ratio	Lower	Upper
107	100		
108	86.6	71.5	111.5
77	36.7	45.9	85.9#
79	29.5	13.8	53.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

Tot Ion:136 Resp: 437625

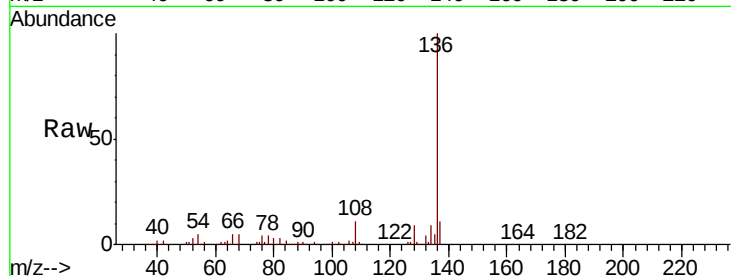
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 4.5 3.8 5.6

68 4.8 3.9 5.9

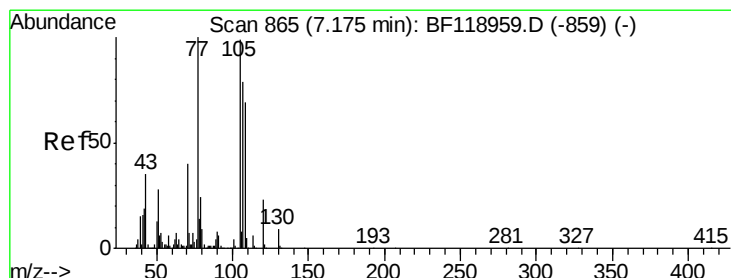
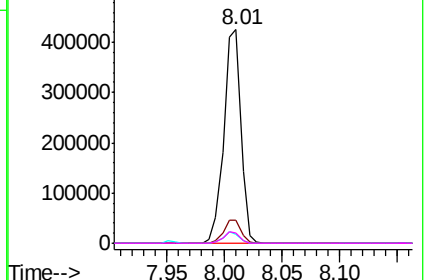
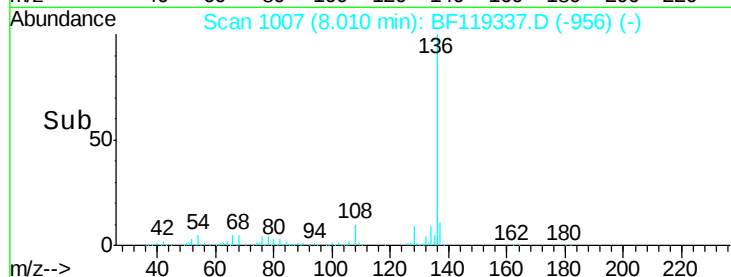


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 50.415 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Tgt Ion:105 Resp: 510478

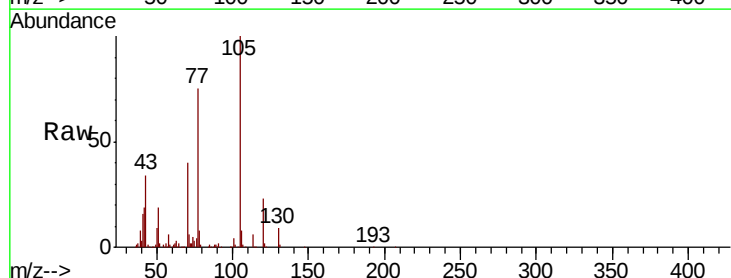
Ion Ratio Lower Upper

105 100

71 6.5 3.0 4.4#

51 19.3 20.1 30.1#

120 22.6 18.0 27.0

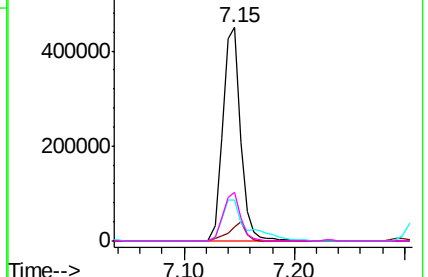
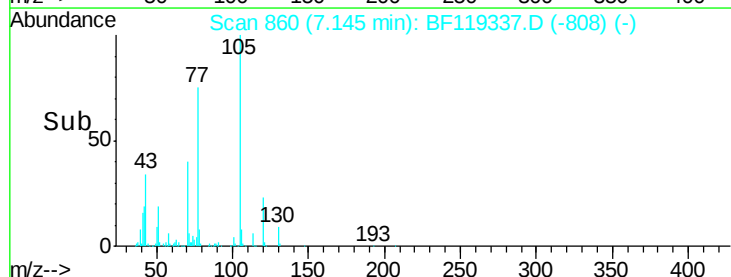


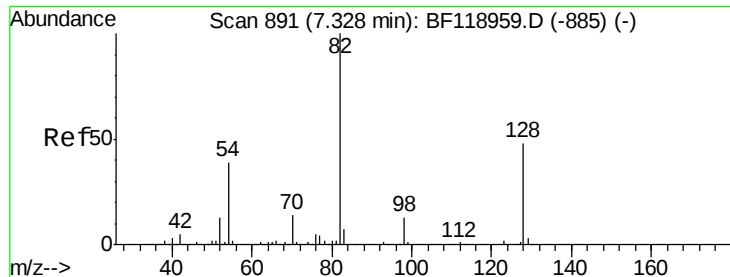
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

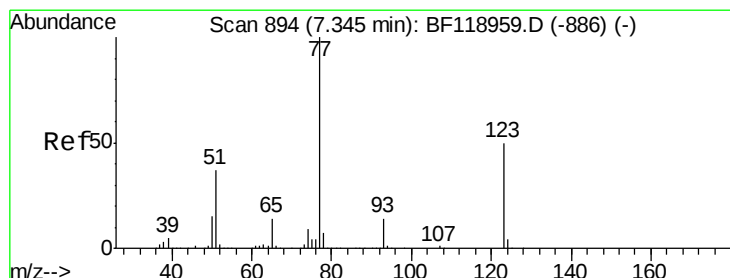
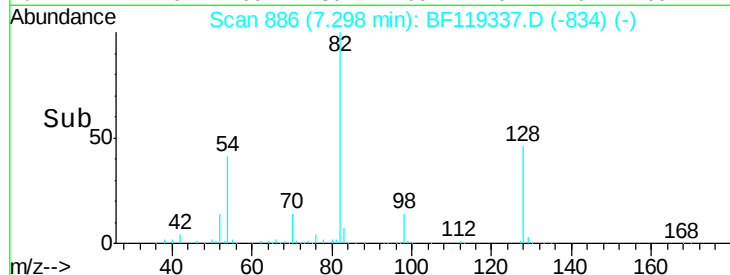
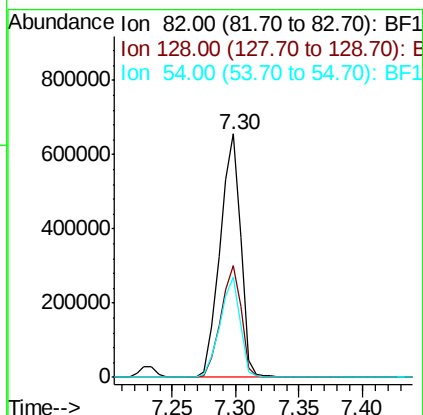
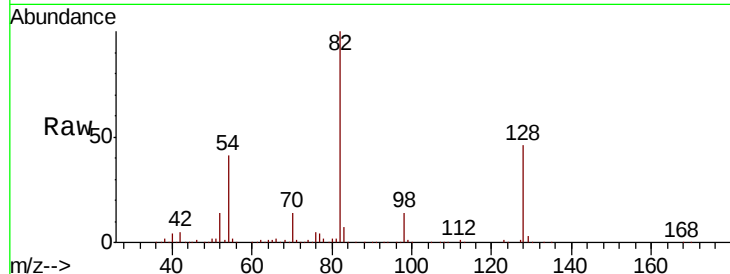




#23
 Nitrobenzene-d5
 Concen: 89.818 ng
 RT: 7.30 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

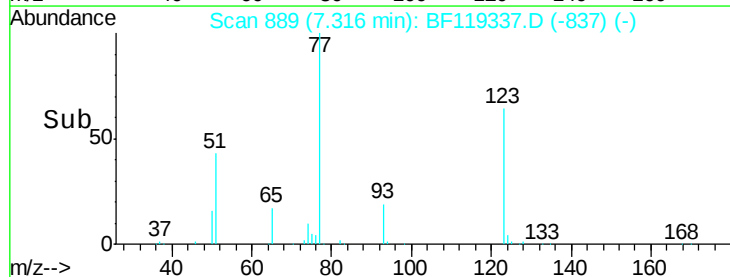
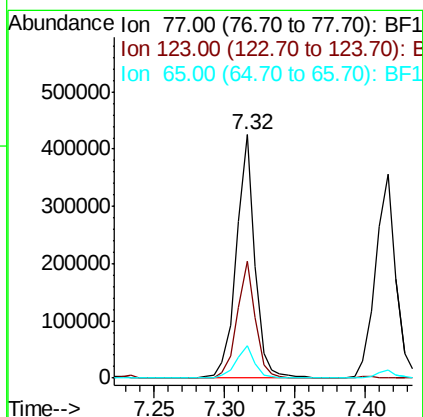
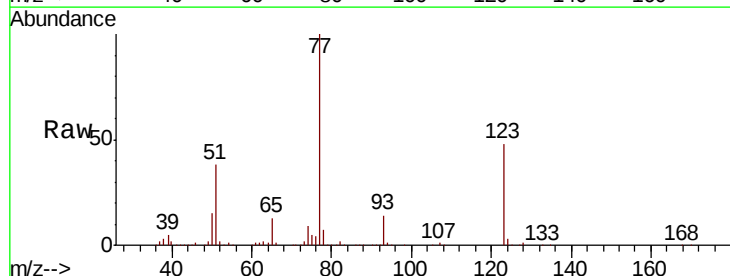
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

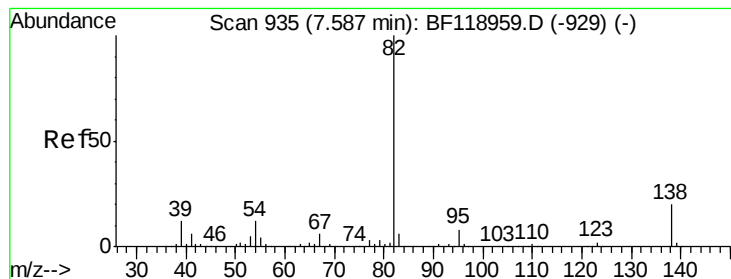
Tot Ion	82	Resp	744443
Ion Ratio	Lower	Upper	
82	100		
128	45.7	37.9	56.9
54	41.0	33.4	50.2



#24
 Nitrobenzene
 Concen: 47.168 ng
 RT: 7.32 min Scan# 889
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion	77	Resp	386606
Ion Ratio	Lower	Upper	
77	100		
123	48.0	40.2	60.2
65	13.4	10.8	16.2





#25

Isophorone

Concen: 48.280 ng

RT: 7.56 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

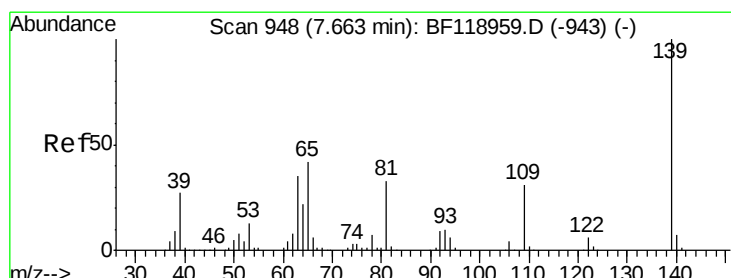
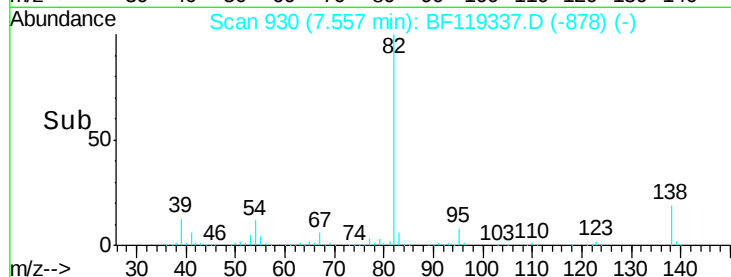
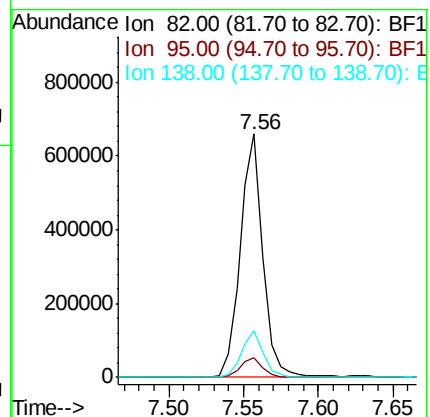
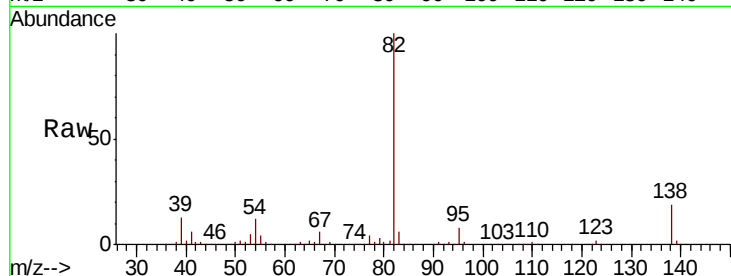
Tot Ion: 82 Resp: 694955

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 19.2 15.7 23.5



#26

2-Nitrophenol

Concen: 42.476 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

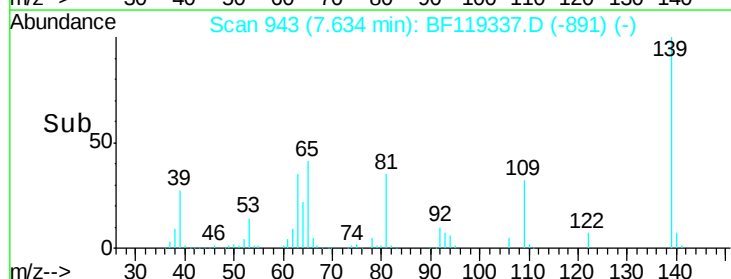
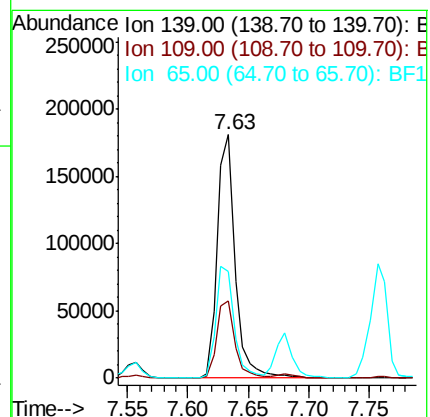
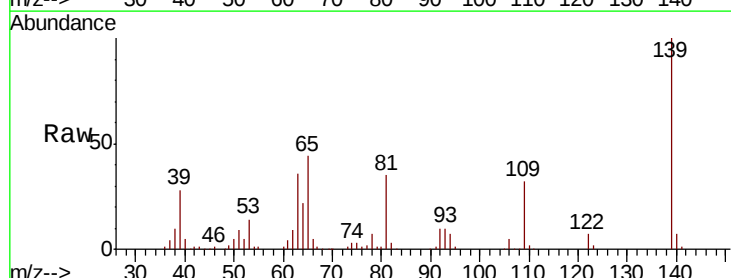
Tgt Ion: 139 Resp: 184466

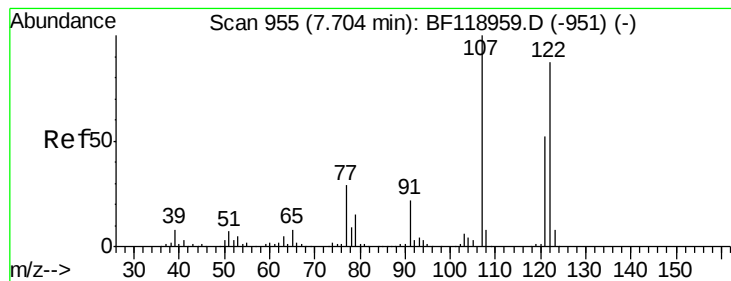
Ion Ratio Lower Upper

139 100

109 31.5 25.7 38.5

65 44.0 37.1 55.7

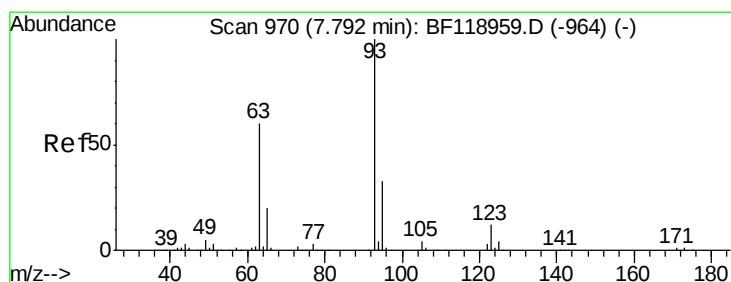
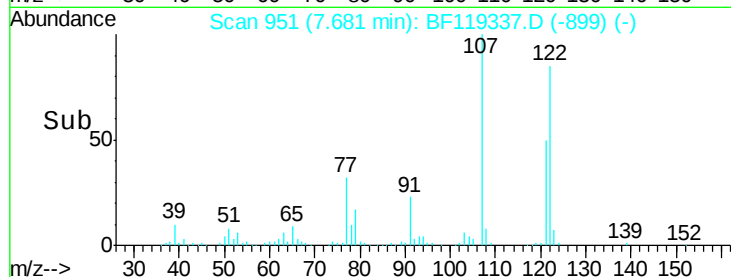
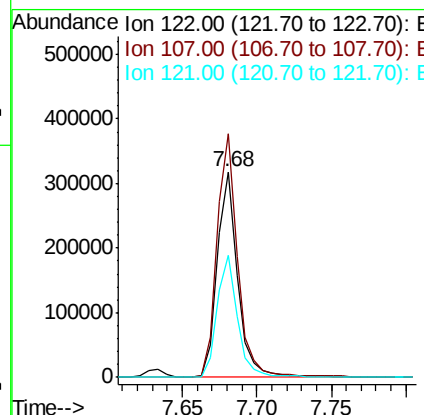
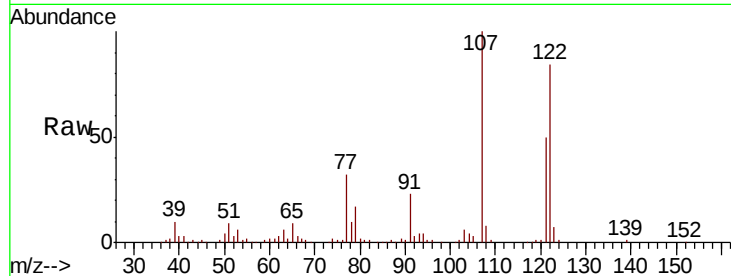




#27
 2,4-Dimethylphenol
 Concen: 51.719 ng
 RT: 7.68 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

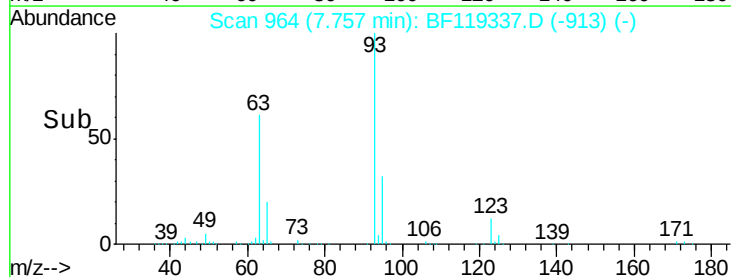
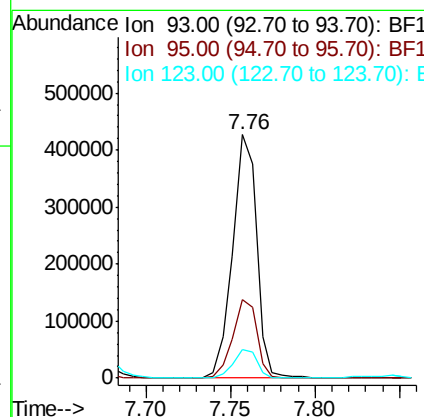
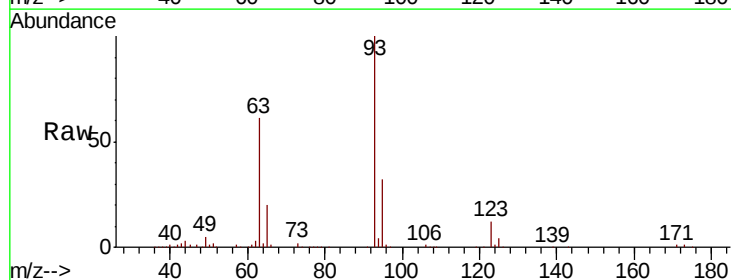
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

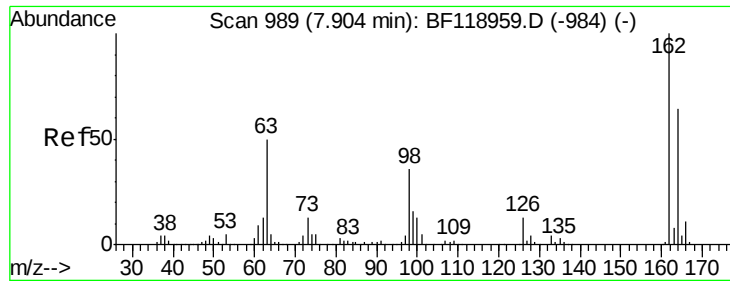
Tot Ion:122 Resp: 304830
 Ion Ratio Lower Upper
 122 100
 107 118.4 93.8 140.6
 121 59.1 48.2 72.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.177 ng
 RT: 7.76 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion: 93 Resp: 423271
 Ion Ratio Lower Upper
 93 100
 95 32.4 26.5 39.7
 123 11.6 10.2 15.2

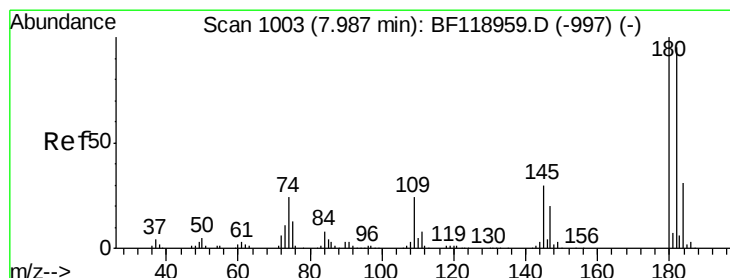
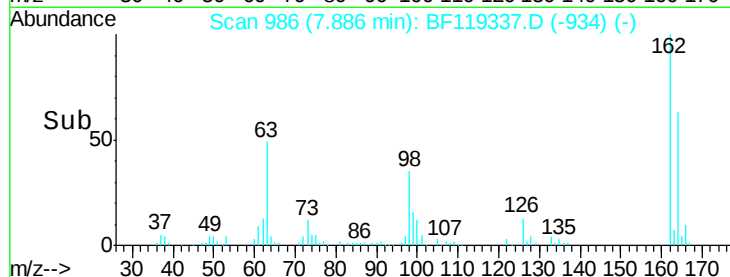
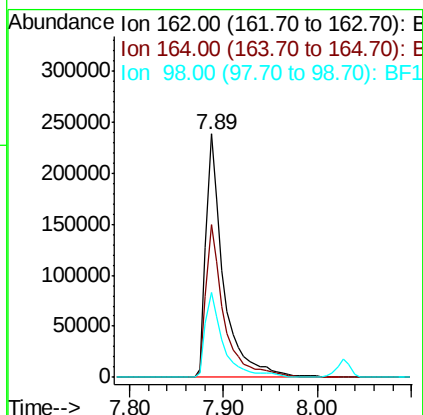
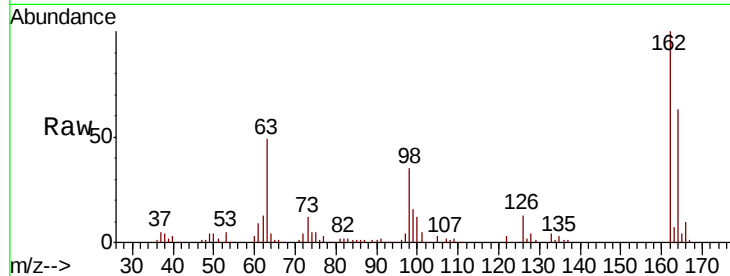




#29
 2,4-Dichlorophenol
 Concen: 45.175 ng
 RT: 7.89 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

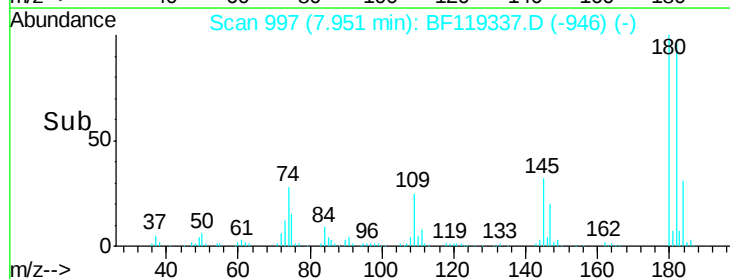
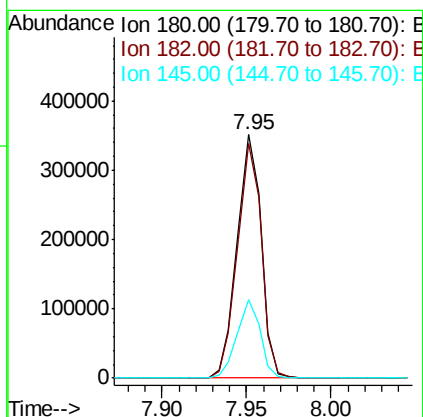
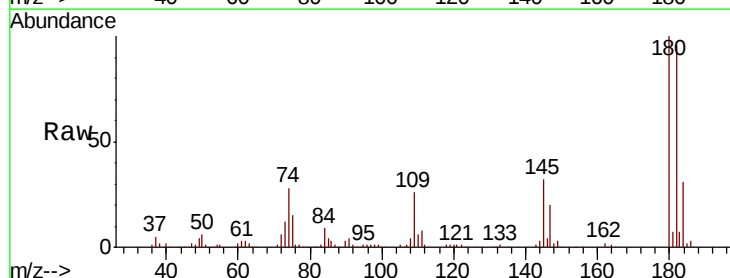
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

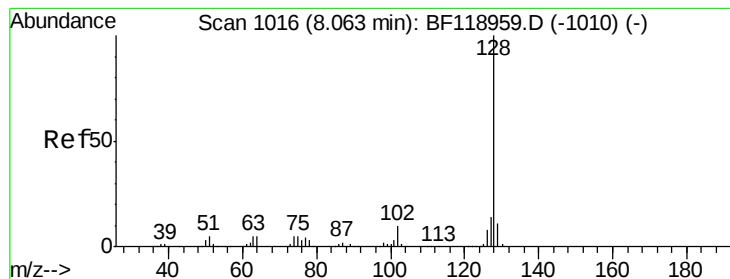
Tot Ion:162 Resp: 313450
 Ion Ratio Lower Upper
 162 100
 164 63.0 45.2 85.2
 98 34.7 17.4 57.4



#30
 1,2,4-Trichlorobenzene
 Concen: 42.475 ng
 RT: 7.95 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion:180 Resp: 349429
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.8 116.6
 145 32.4 25.2 37.8





#31

Naphthalene

Concen: 46.310 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

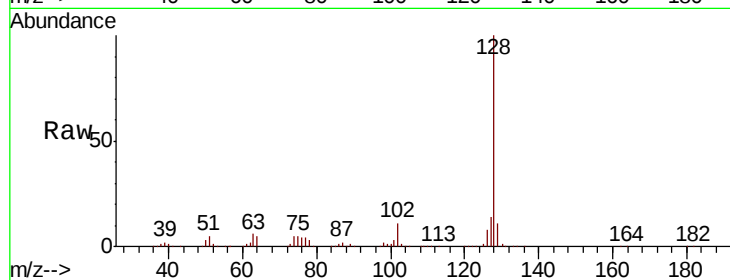
Tot Ion:128 Resp: 1051062

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

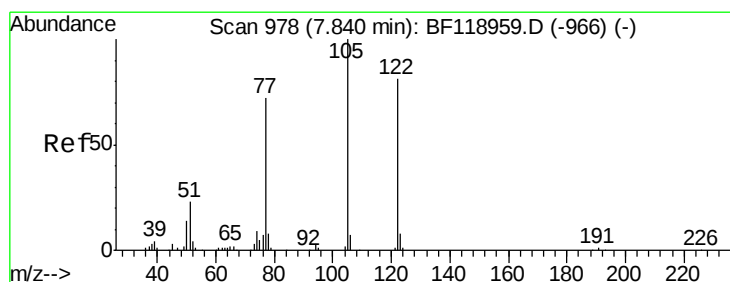
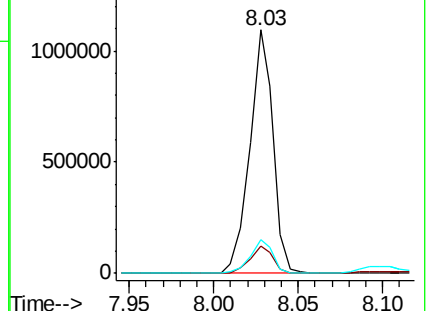
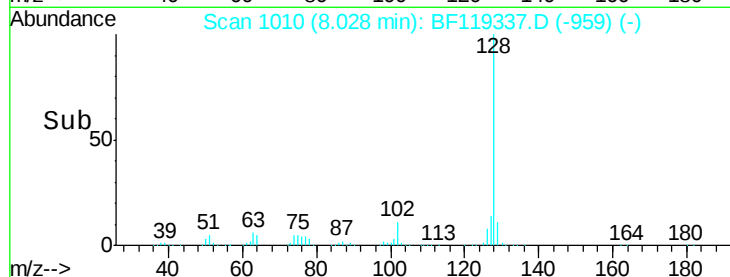
127 13.9 11.4 17.2



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: 27.266 ng m

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

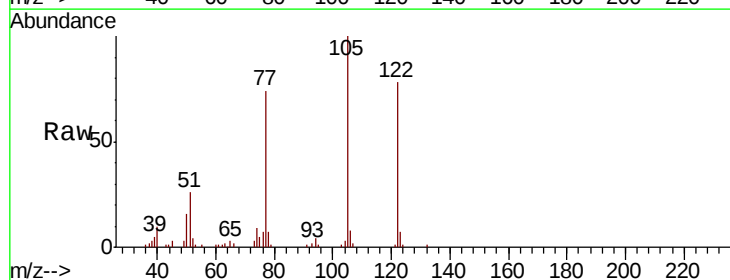
Tgt Ion:122 Resp: 102845

Ion Ratio Lower Upper

122 100

105 127.4 106.3 146.3

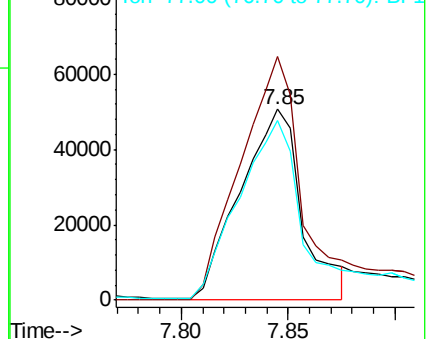
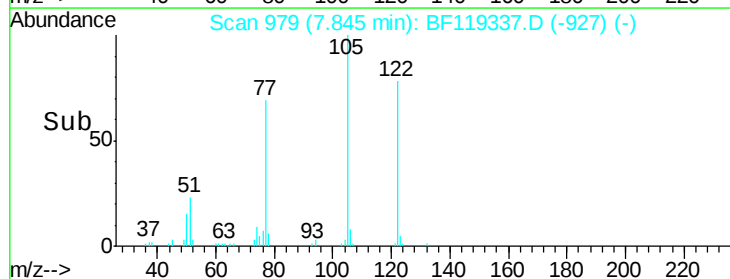
77 93.9 73.1 113.1

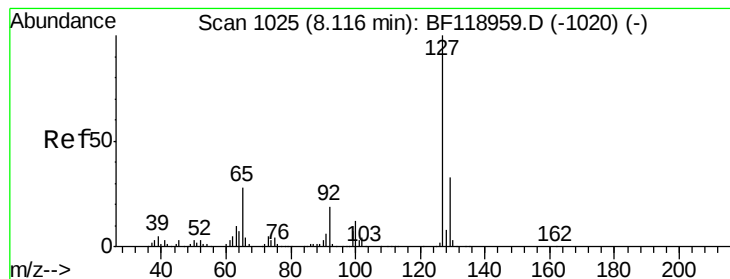


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

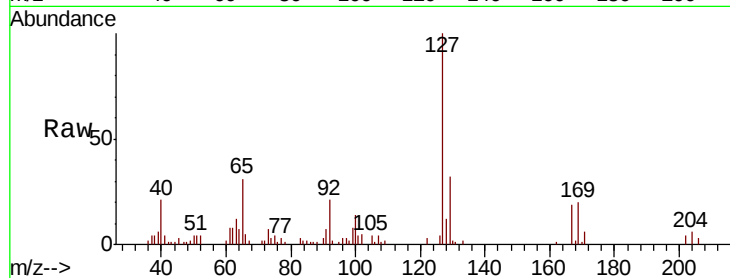




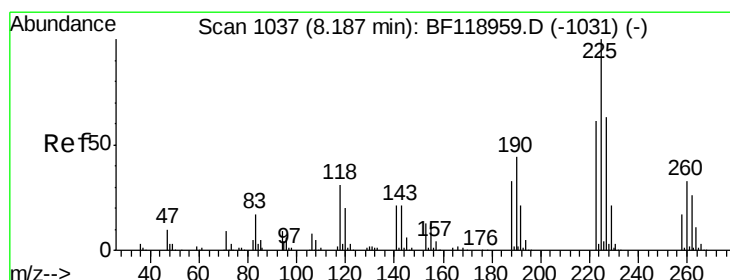
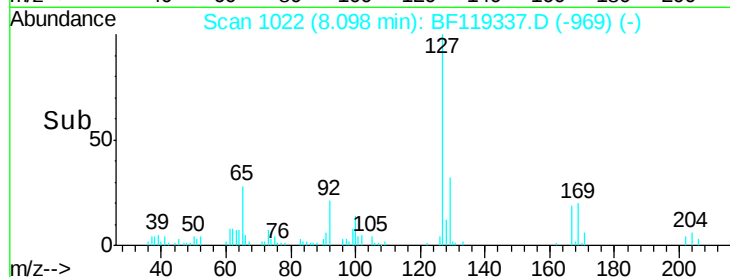
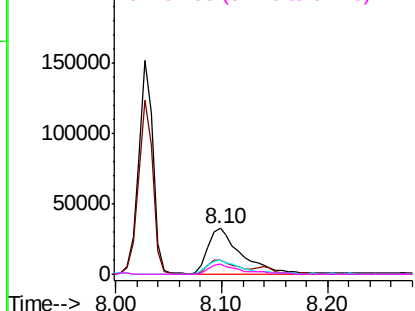
#33
4-Chloroaniline
Concen: 7.281 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

Tot Ion:	127	Resp:	71075
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	30.5	23.9	35.9
92	21.3	16.3	24.5

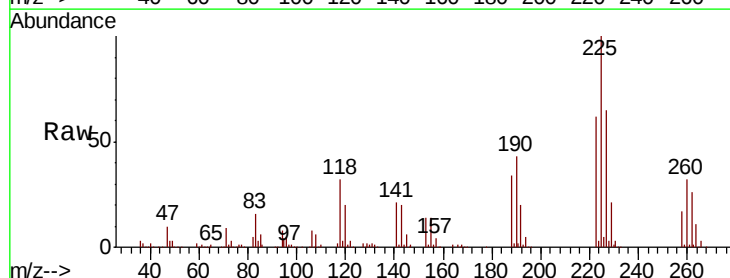


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

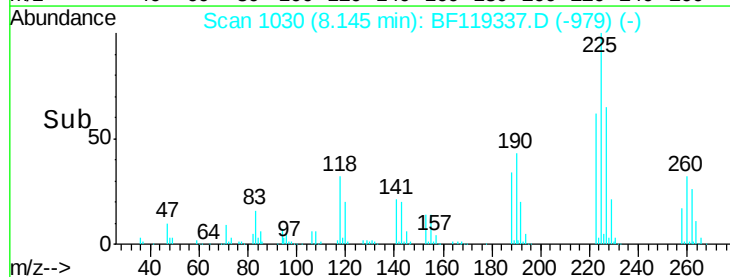
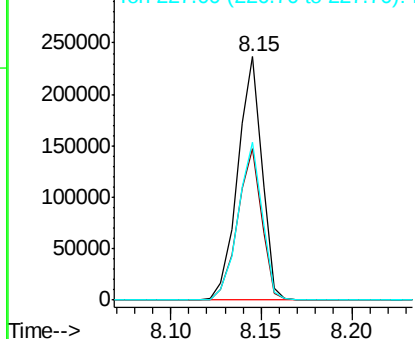


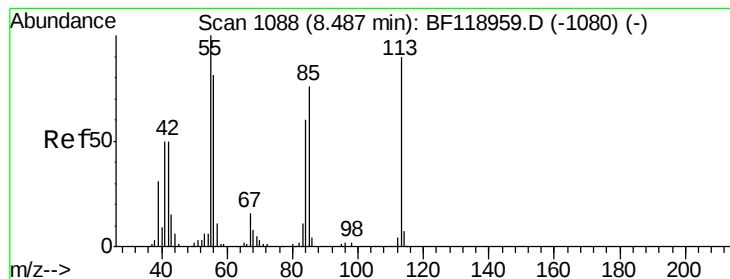
#34
Hexachlorobutadiene
Concen: 42.719 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion:	225	Resp:	218910
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.4	74.2
227	64.8	52.9	79.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.751 ng

RT: 8.47 min Scan# 1086

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

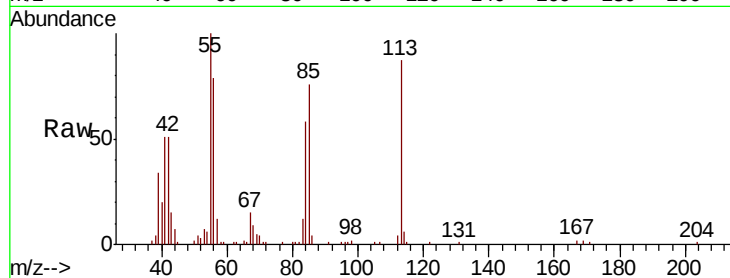
Tot Ion:113 Resp: 69973

Ion Ratio Lower Upper

113 100

55 114.9 95.7 135.7

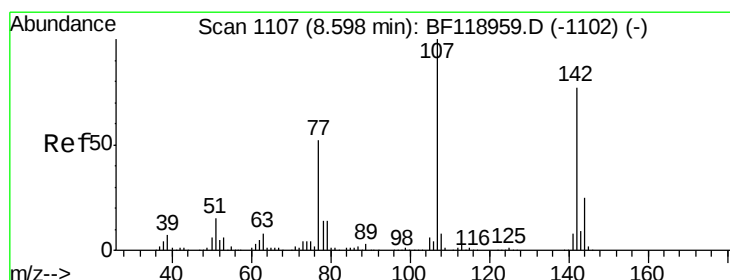
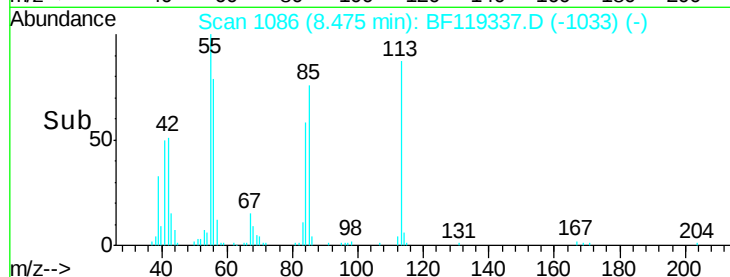
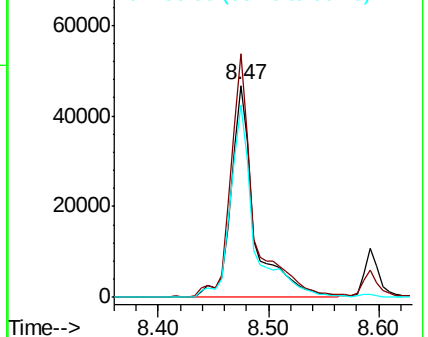
56 90.8 73.1 113.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 45.011 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

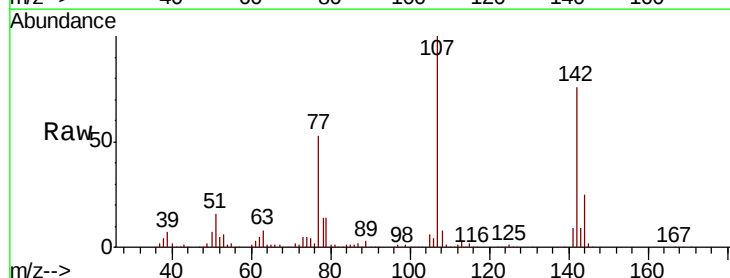
Tgt Ion:107 Resp: 316073

Ion Ratio Lower Upper

107 100

144 25.0 20.1 30.1

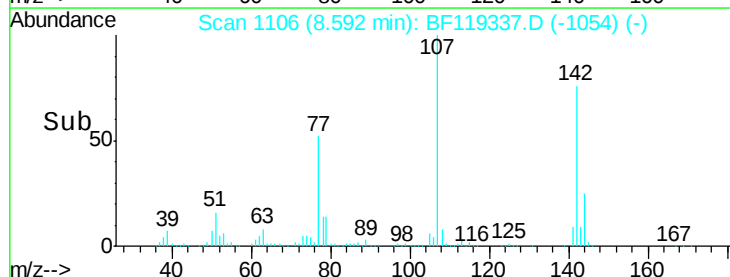
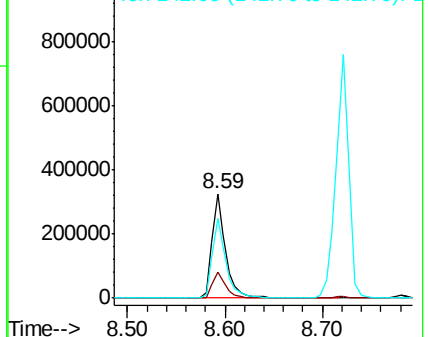
142 75.9 61.4 92.2

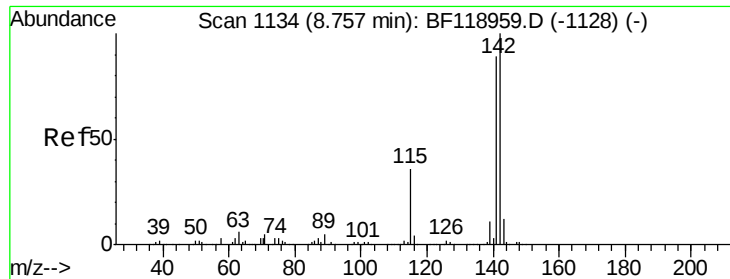


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

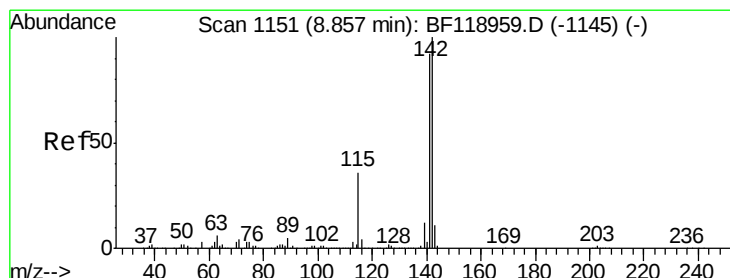
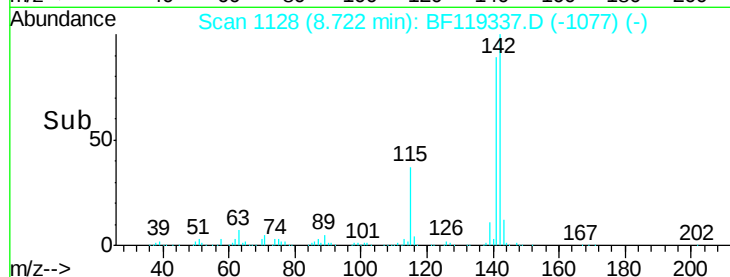
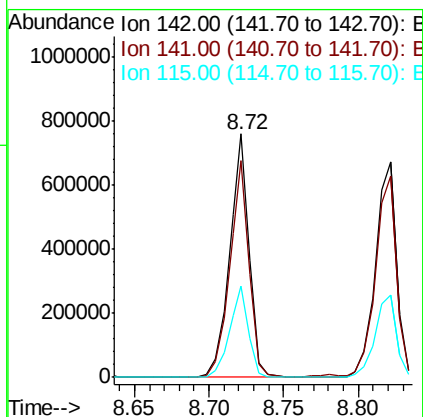
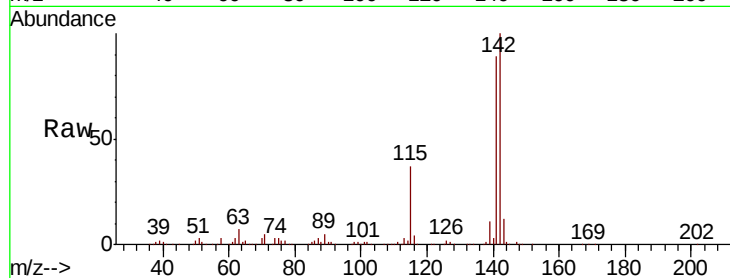




#37
2-Methylnaphthalene
Concen: 45.590 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

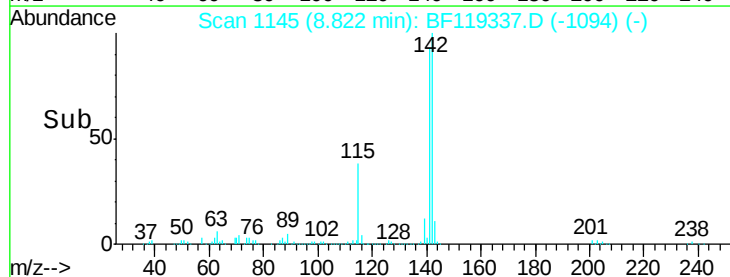
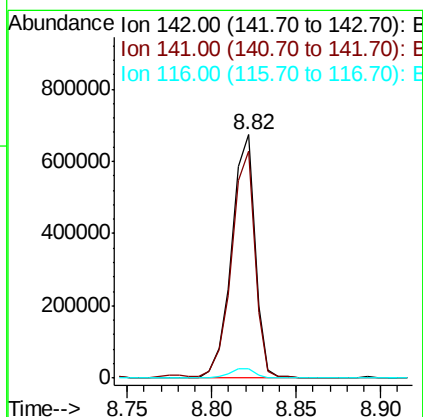
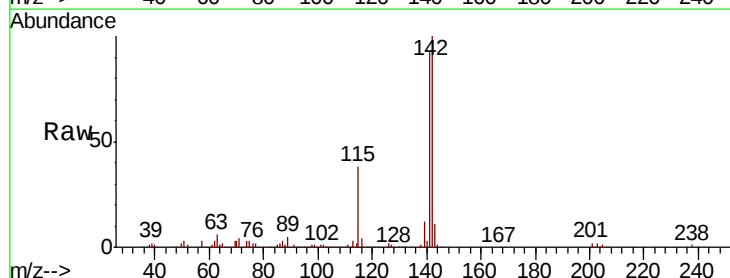
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

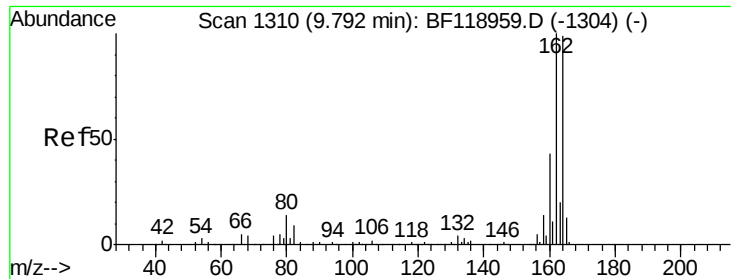
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.3	108.5
115	37.4	30.6	45.8



#38
1-Methylnaphthalene
Concen: 45.075 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	75.8	113.6
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

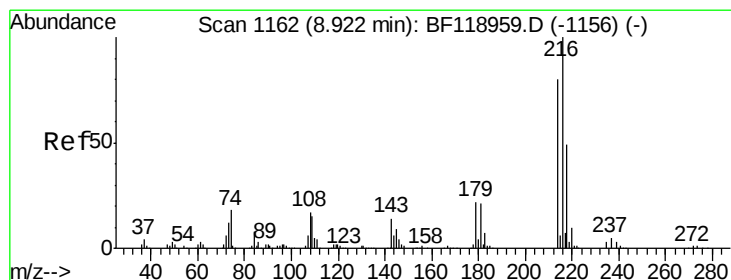
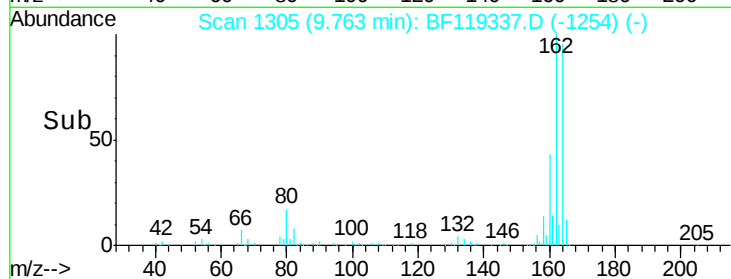
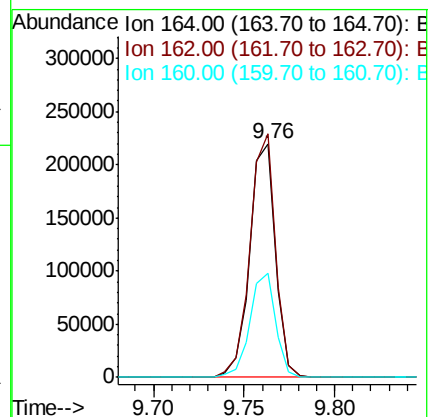
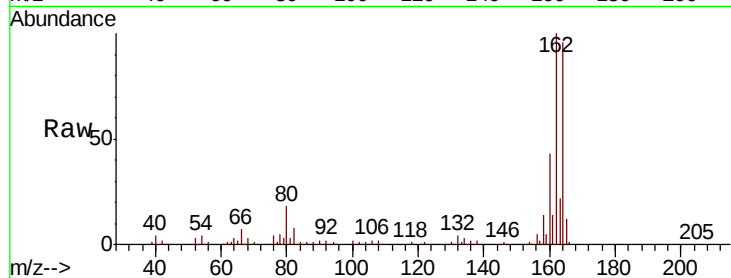
Tot Ion:164 Resp: 216915

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

160 44.6 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.061 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Tgt Ion:216 Resp: 344181

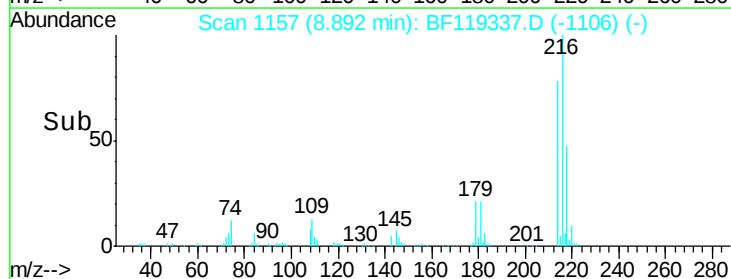
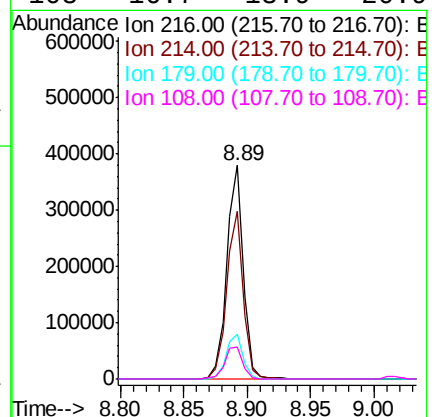
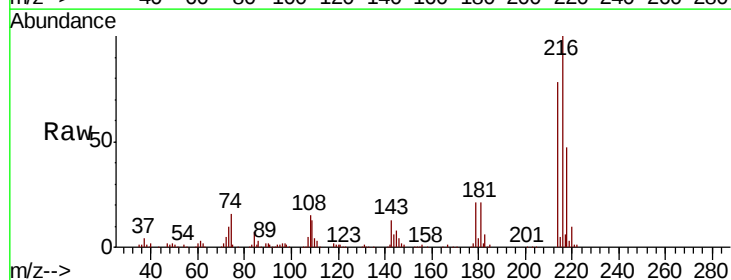
Ion Ratio Lower Upper

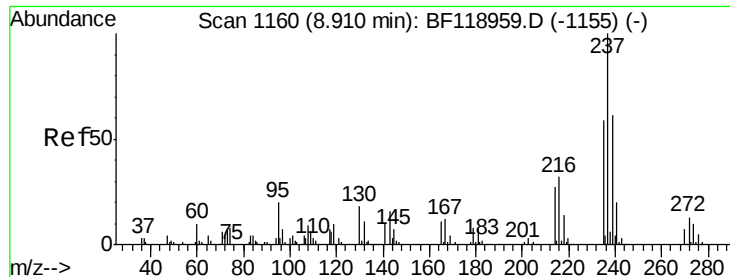
216 100

214 78.7 63.3 94.9

179 21.4 17.7 26.5

108 16.7 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 12.533 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

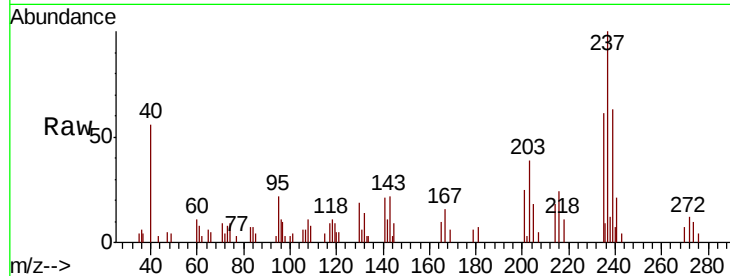
Tot Ion:237 Resp: 9467

Ion Ratio Lower Upper

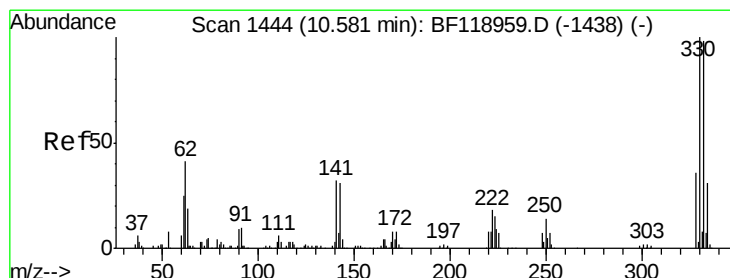
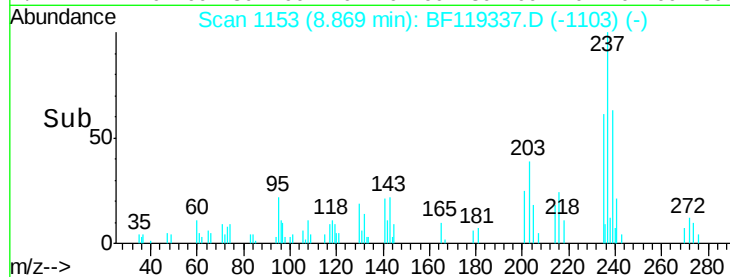
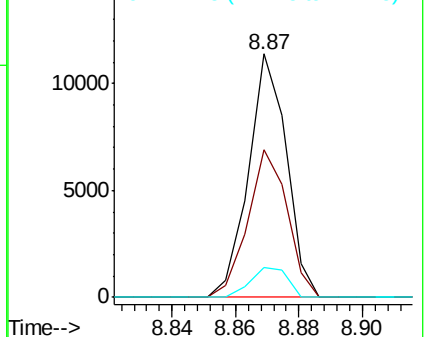
237 100

235 60.8 42.3 82.3

272 12.2 0.0 33.5



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



#42

2,4,6-Tribromophenol

Concen: 106.681 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

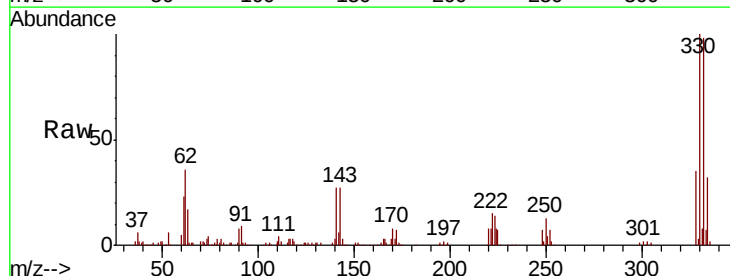
Tgt Ion:330 Resp: 302719

Ion Ratio Lower Upper

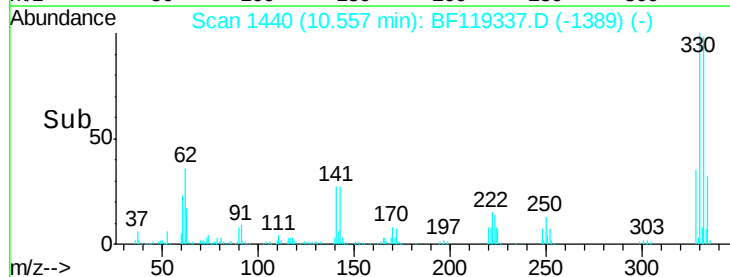
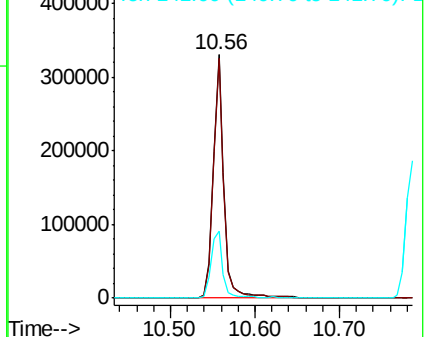
330 100

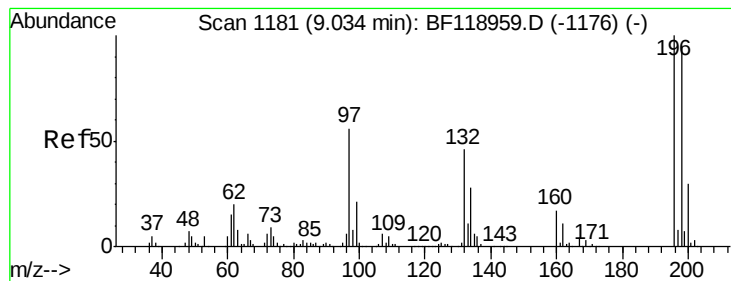
332 97.9 76.0 114.0

141 29.9 22.9 34.3



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





#43

2,4,6-Trichlorophenol

Concen: 45.146 ng

RT: 9.02 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

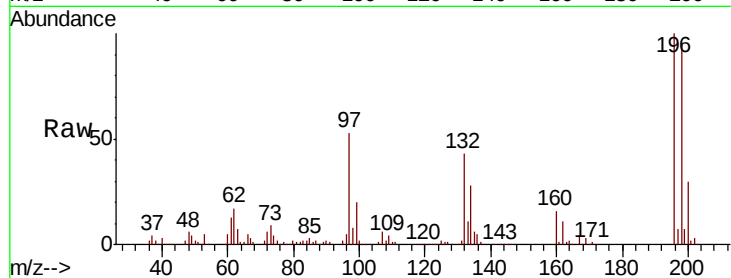
Tot Ion:196 Resp: 208504

Ion Ratio Lower Upper

196 100

198 96.3 77.1 115.7

200 30.1 25.0 37.6

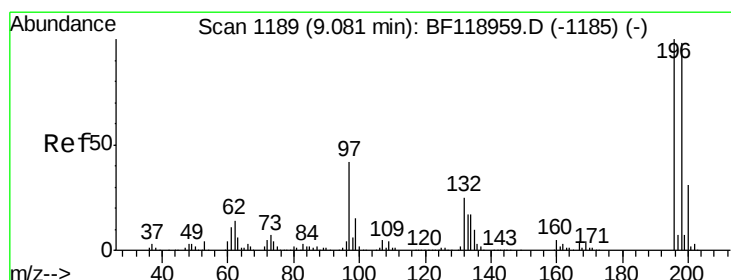
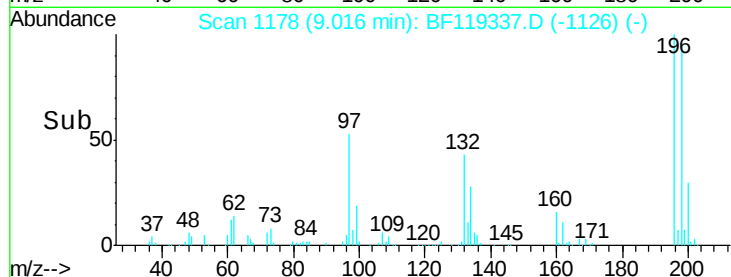
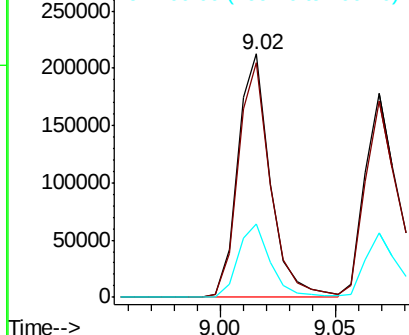


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 41.733 ng

RT: 9.07 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Tgt Ion:196 Resp: 202253

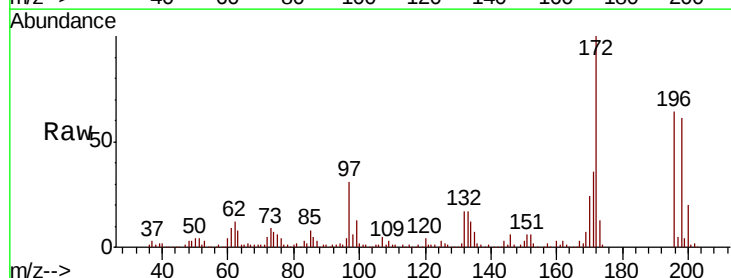
Ion Ratio Lower Upper

196 100

198 96.0 76.8 115.2

97 48.7 38.5 57.7

132 27.4 22.2 33.4



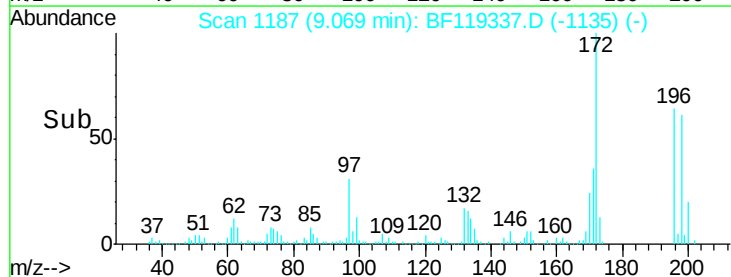
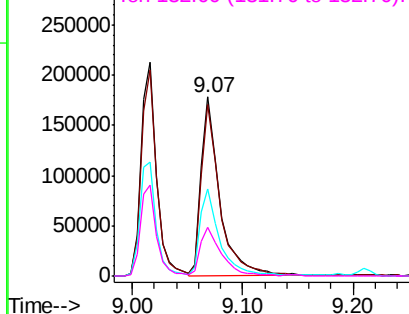
Abundance

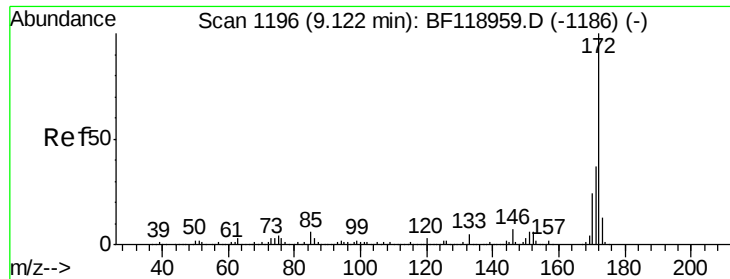
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

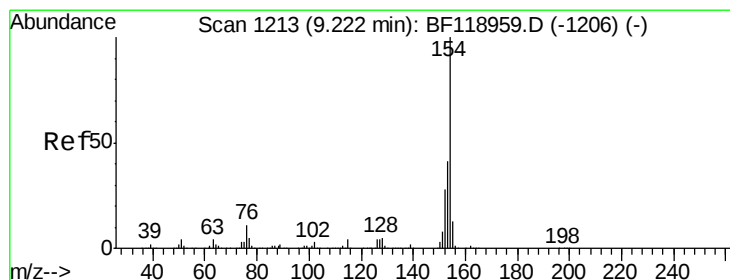
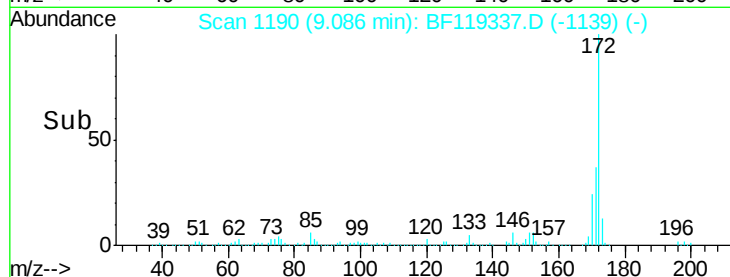
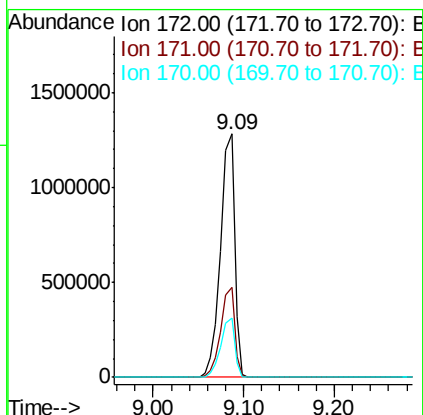
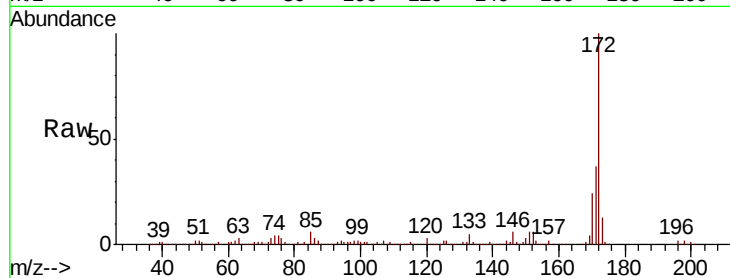




#45
2-Fluorobiphenyl
Concen: 93.470 ng
RT: 9.09 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

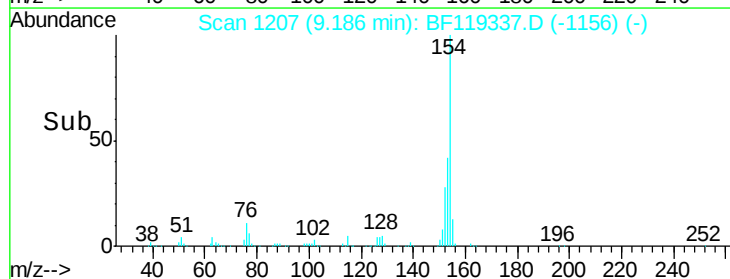
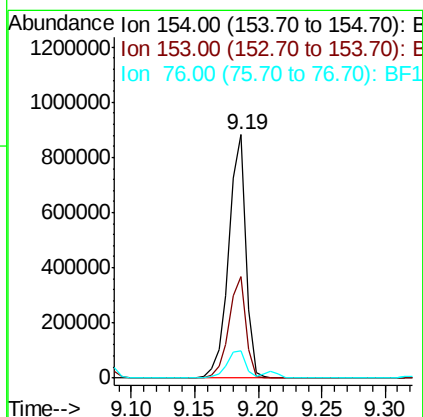
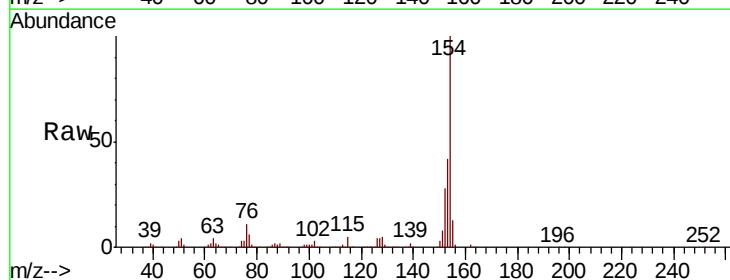
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

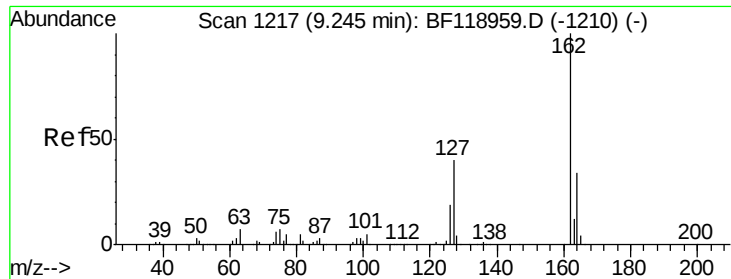
Tot Ion:172 Resp: 1376281
Ion Ratio Lower Upper
172 100
171 36.7 30.6 45.8
170 24.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 46.952 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion:154 Resp: 823123
Ion Ratio Lower Upper
154 100
153 41.8 22.8 62.8
76 11.1 0.0 32.2

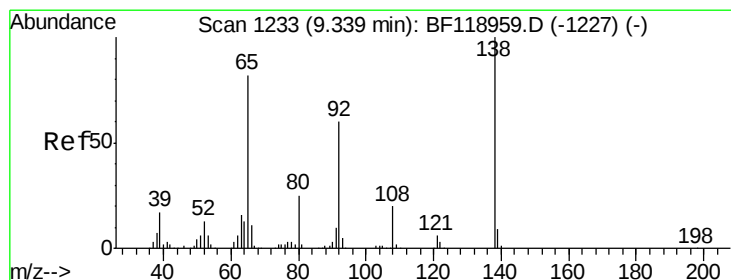
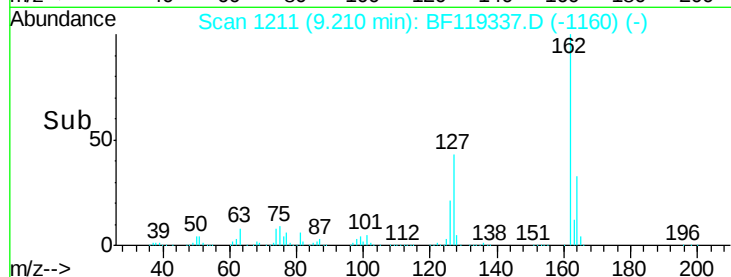
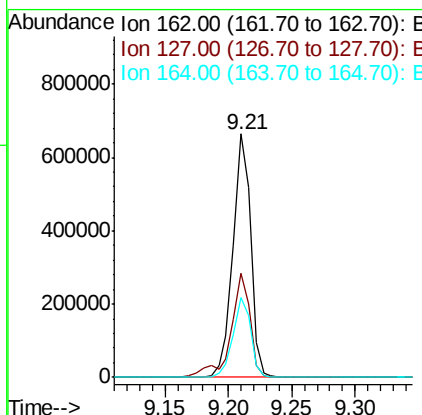
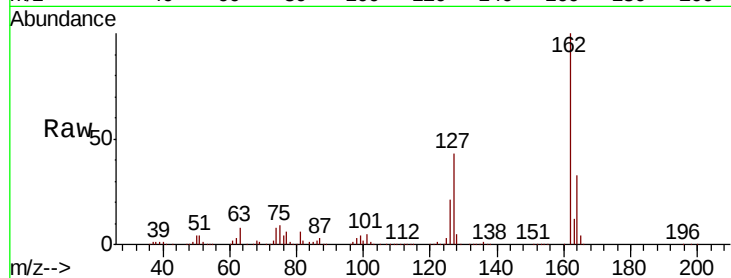




#47
2-Chloronaphthalene
Concen: 45.300 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

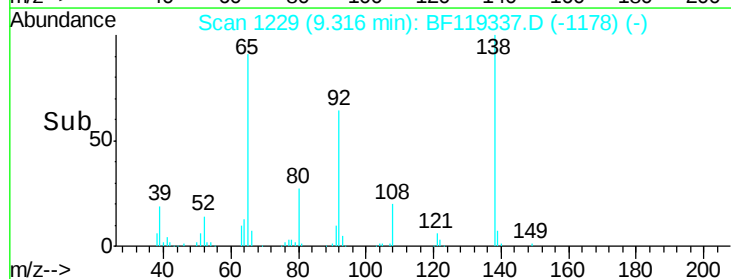
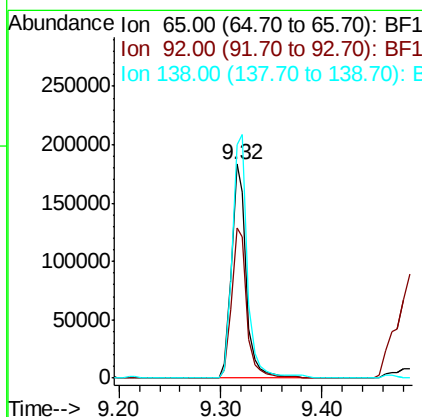
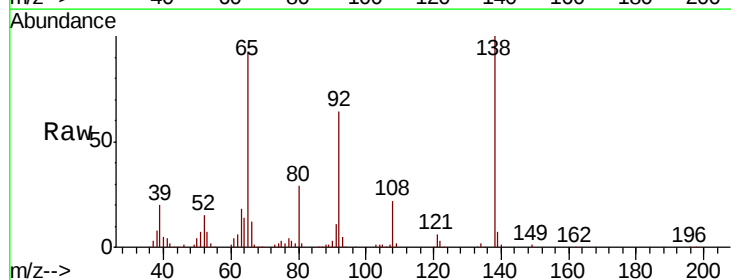
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

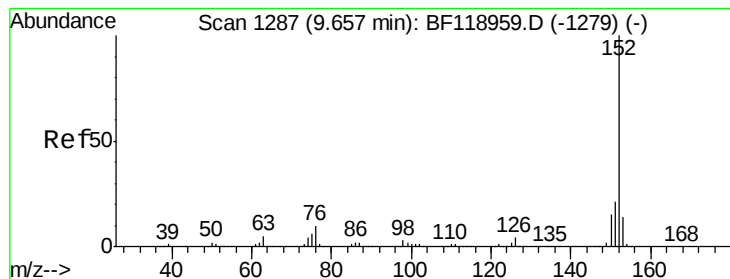
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.0	35.0	52.4
164	32.9	27.2	40.8



#48
2-Nitroaniline
Concen: 47.266 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.1	58.2	87.2
138	108.8	95.6	143.4





#49

Acenaphthylene

Concen: 45.384 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

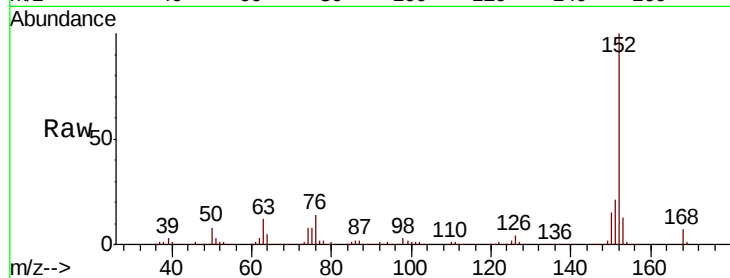
Tot Ion:152 Resp: 926020

Ion Ratio Lower Upper

152 100

151 20.9 16.9 25.3

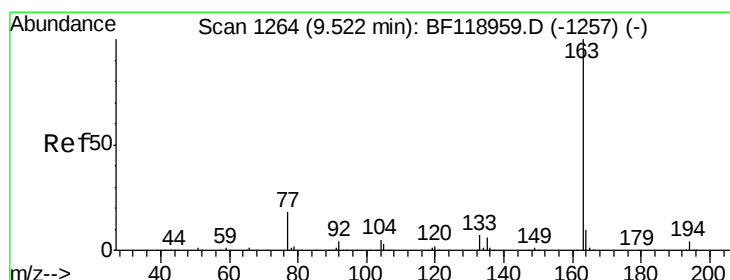
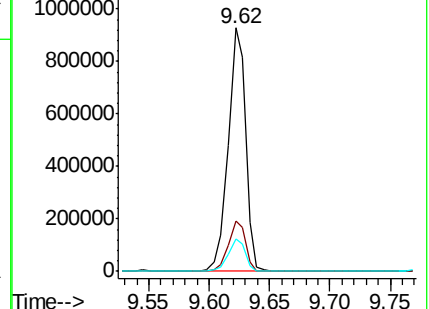
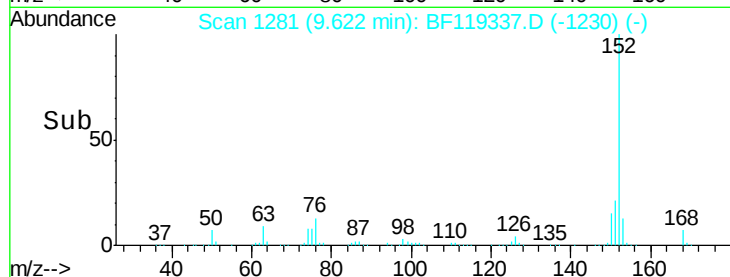
153 13.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 53.914 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

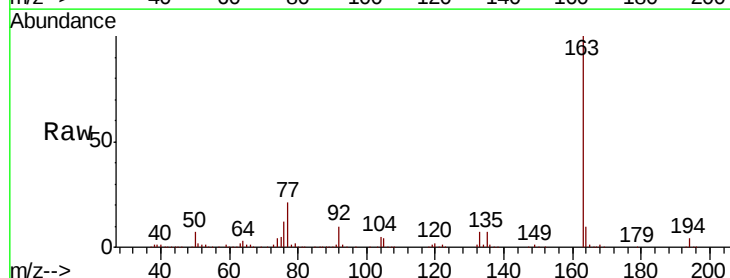
Tgt Ion:163 Resp: 894274

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

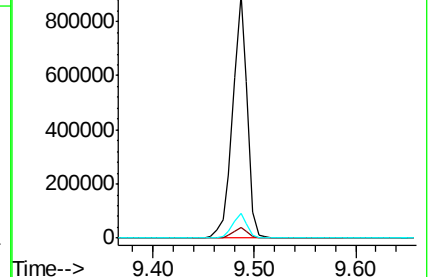
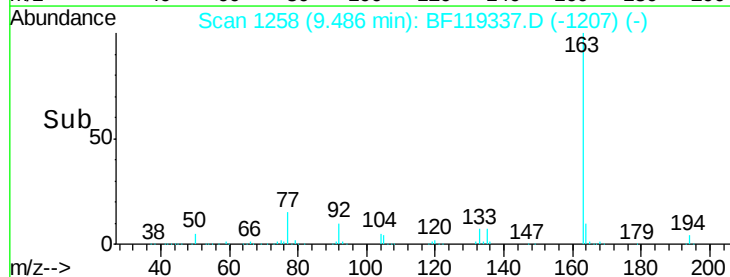
164 10.0 8.4 12.6

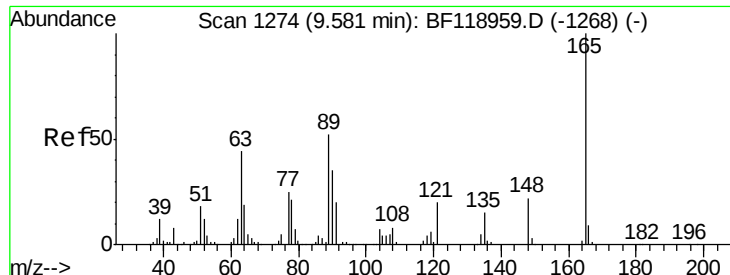


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 42.927 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

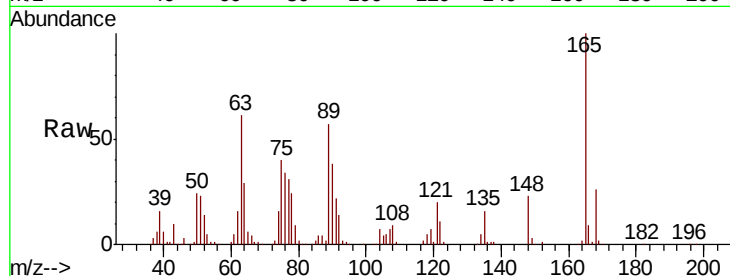
Tot Ion:165 Resp: 158194

Ion Ratio Lower Upper

165 100

63 60.6 34.3 51.5#

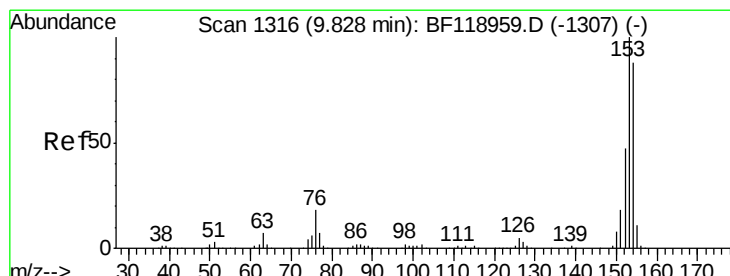
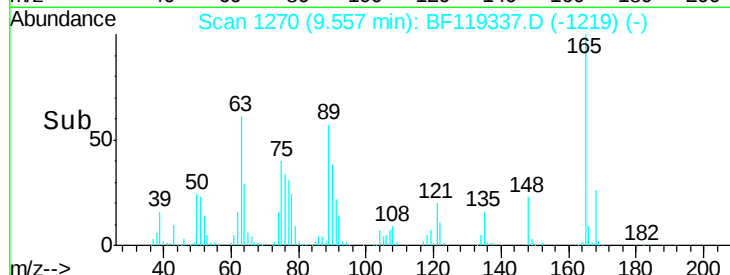
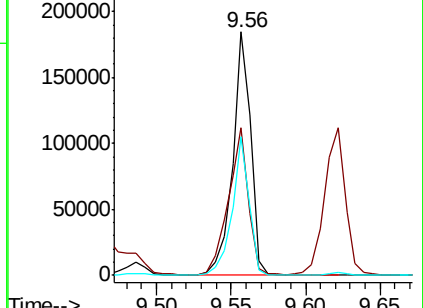
89 57.2 38.3 57.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 45.041 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

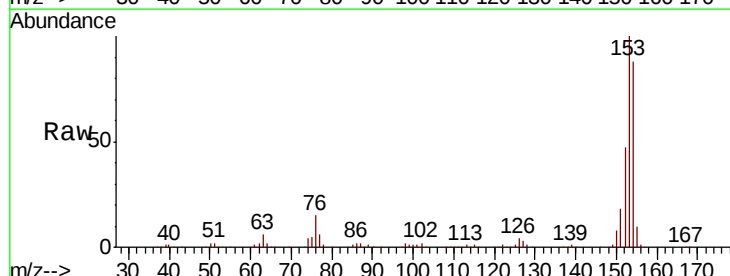
Tgt Ion:154 Resp: 554157

Ion Ratio Lower Upper

154 100

153 113.6 90.3 135.5

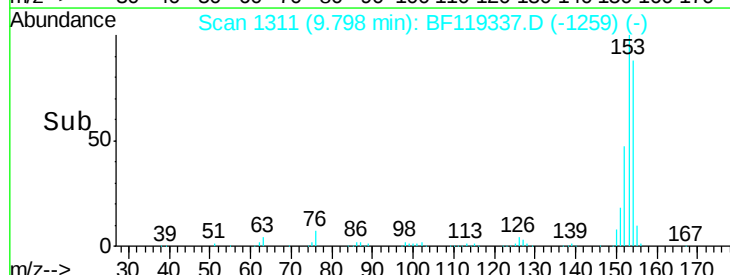
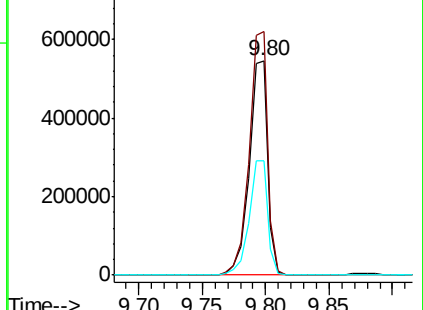
152 53.1 43.8 65.8

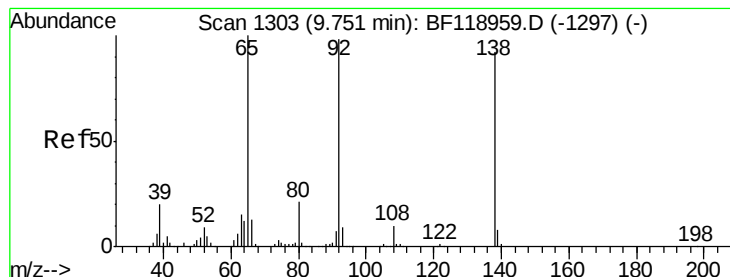


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 18.191 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

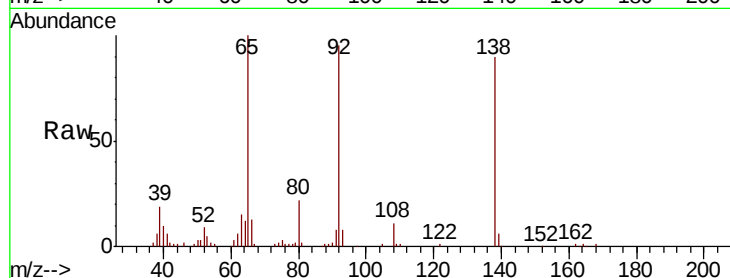
Tot Ion:138 Resp: 74319

Ion Ratio Lower Upper

138 100

108 11.9 8.8 13.2

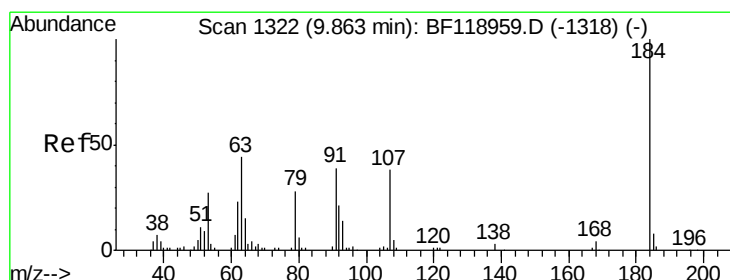
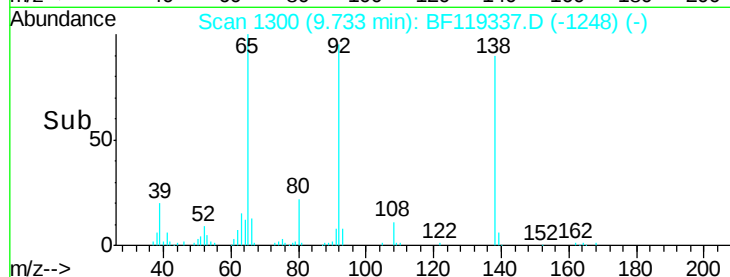
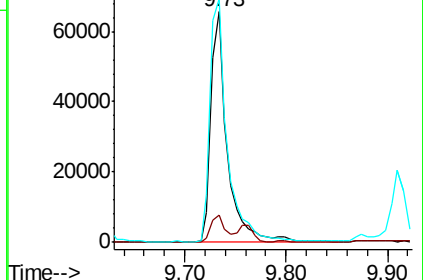
92 105.6 84.8 127.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 16.087 ng m

RT: 9.87 min Scan# 1324

Delta R.T. 0.02 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

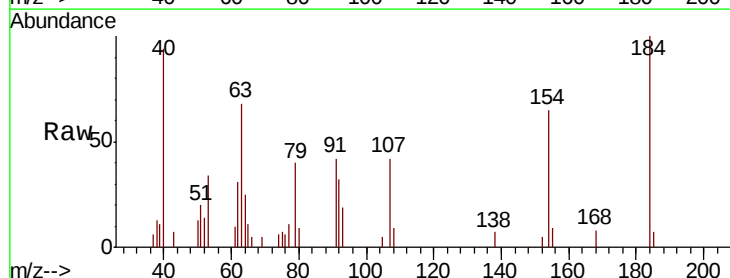
Tgt Ion:184 Resp: 17014

Ion Ratio Lower Upper

184 100

63 67.9 38.7 58.1#

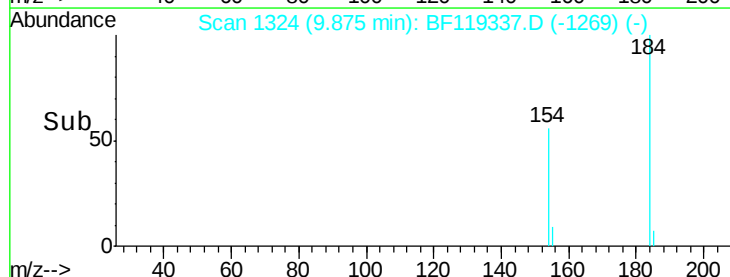
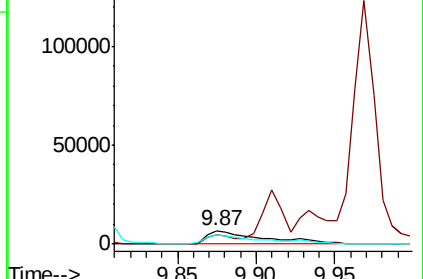
154 65.3 49.7 74.5

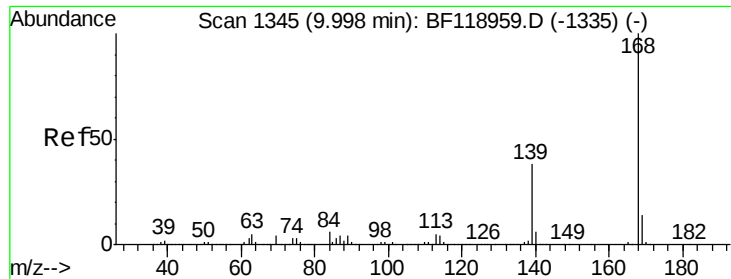


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

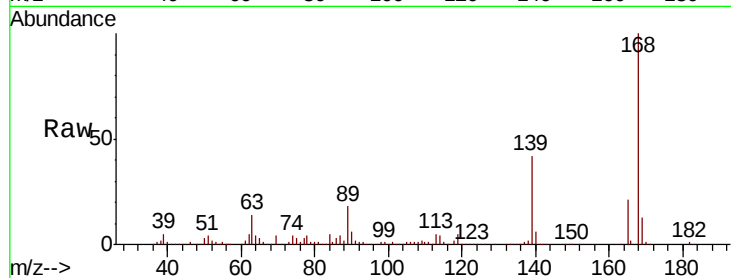




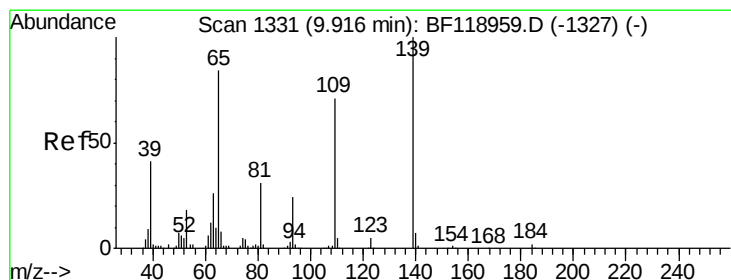
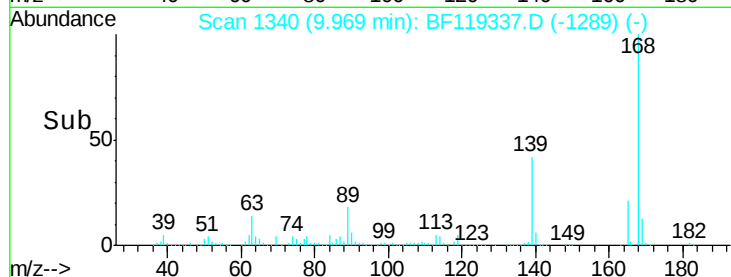
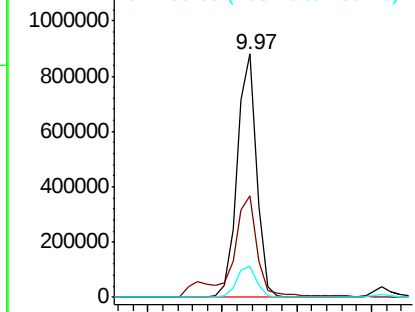
#55
Dibenzofuran
Concen: 43.878 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.6	34.0	51.0
169	13.0	11.0	16.4

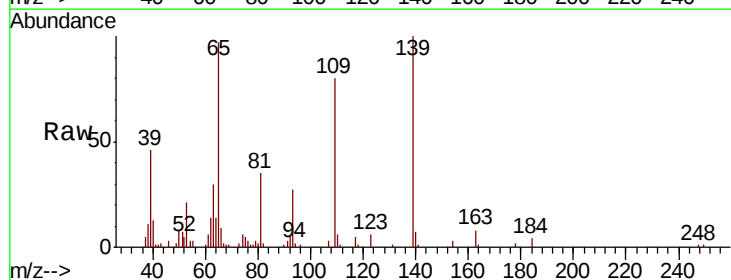


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

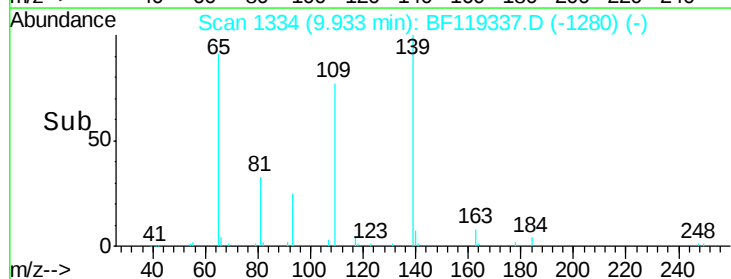
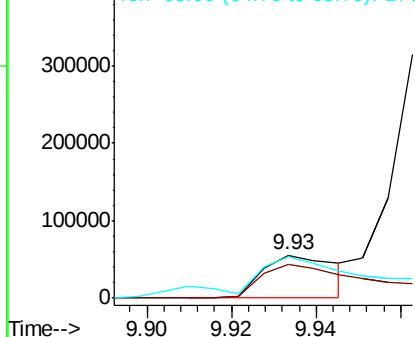


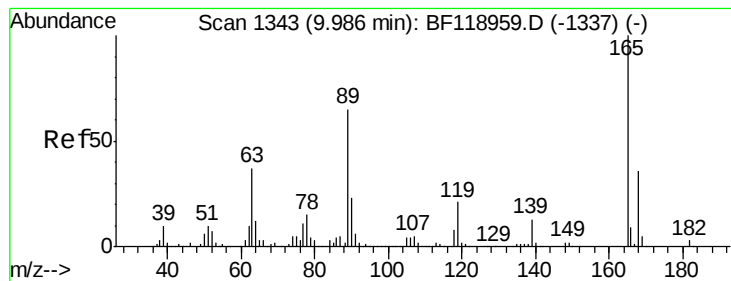
#56
4-Nitrophenol
Concen: 27.517 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
139	100		
109	79.8	56.7	96.7
65	97.3	65.0	105.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 38.067 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

Tot Ion:165 Resp: 181833

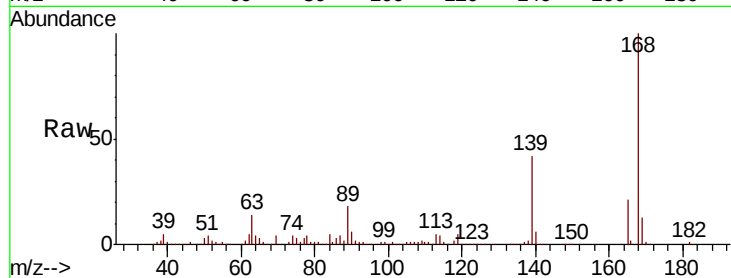
Ion Ratio Lower Upper

165 100

63 67.8 42.3 63.5#

89 86.5 60.2 90.4

182 2.8 2.3 3.5

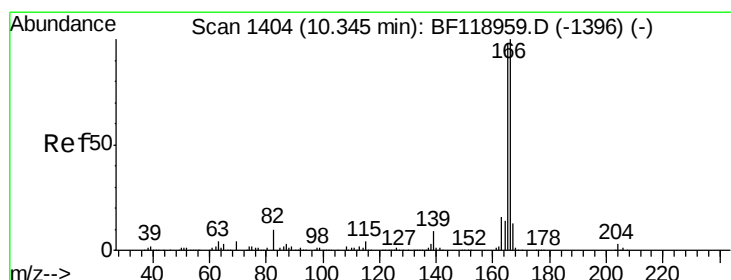
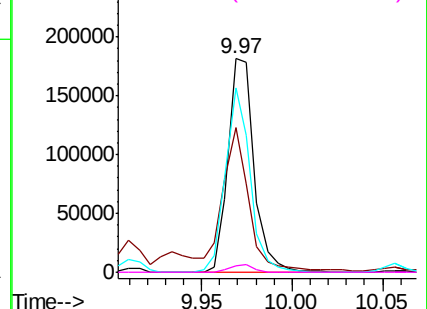
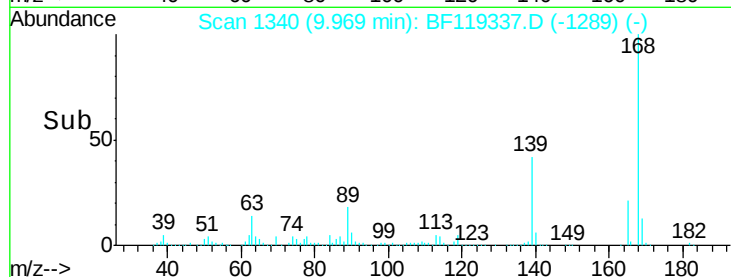


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.091 ng

RT: 10.31 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

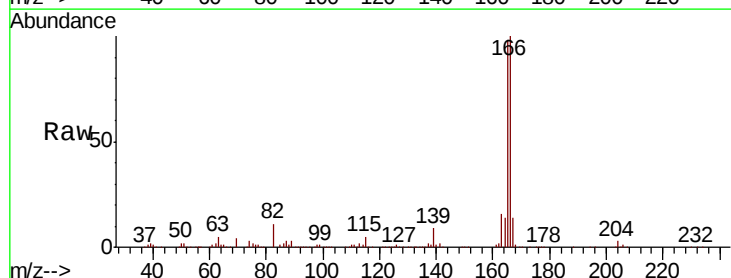
Tgt Ion:166 Resp: 629169

Ion Ratio Lower Upper

166 100

165 97.8 78.5 117.7

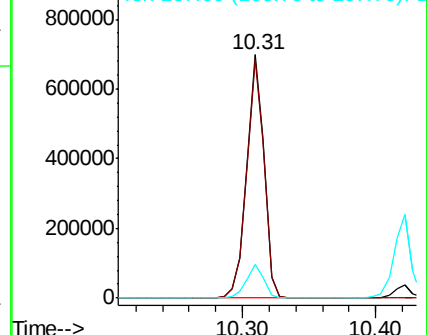
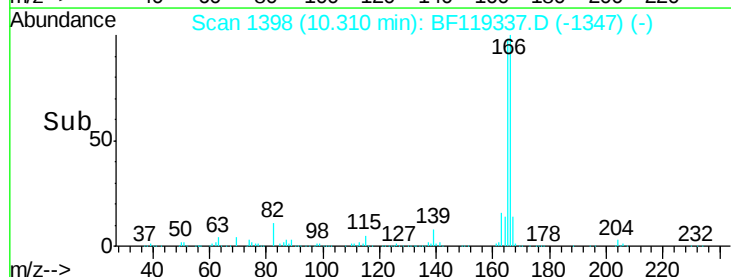
167 13.6 11.0 16.4

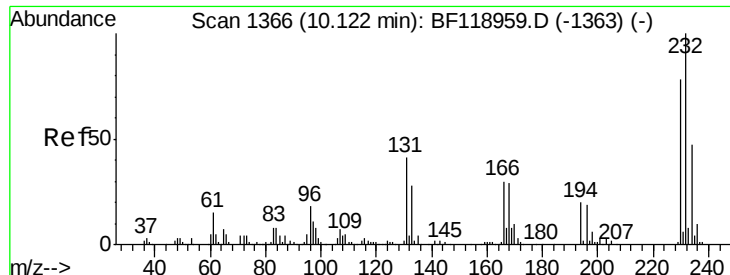


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

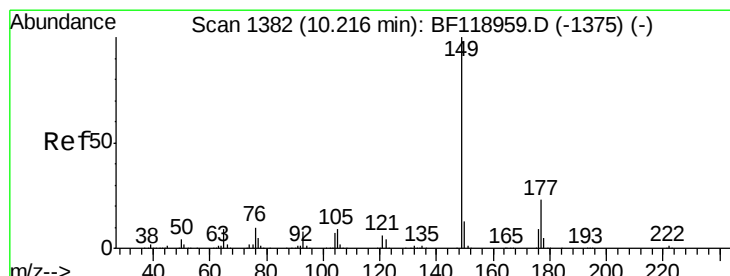
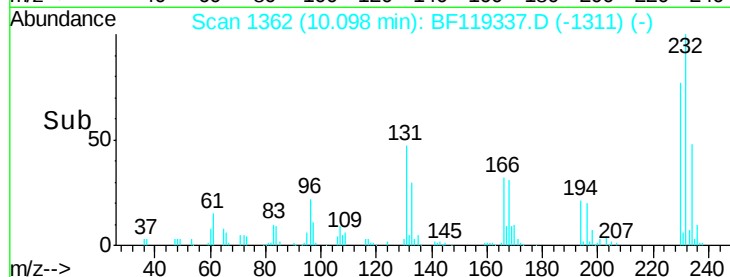
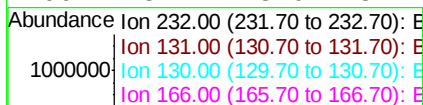
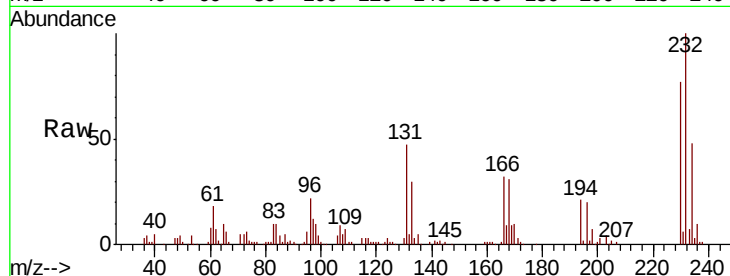




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.657 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

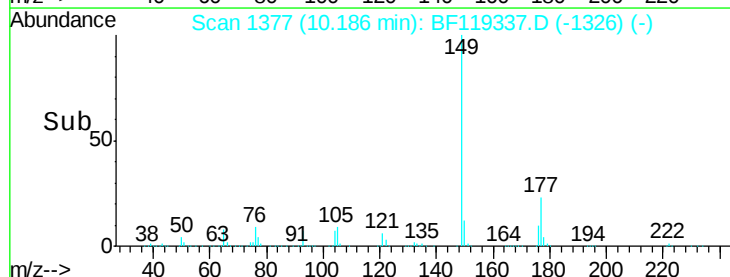
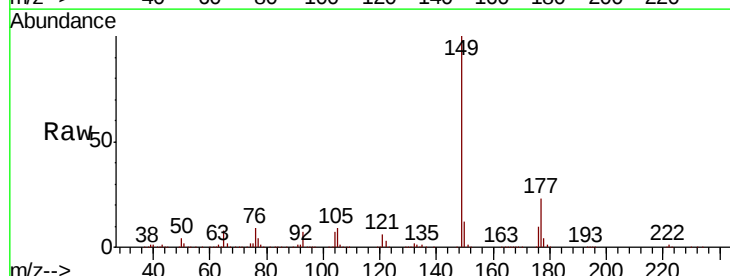
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

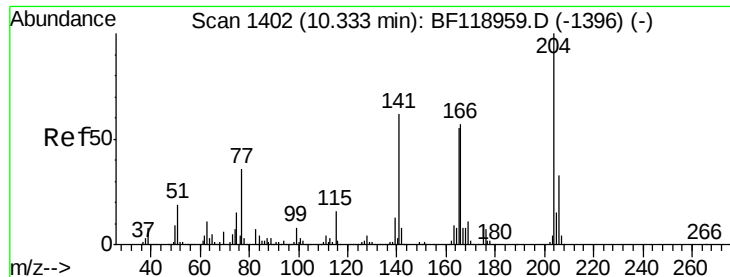
Tot Ion:	232	Resp:	166259
Ion	Ratio	Lower	Upper
232	100		
131	44.4	33.8	50.8
130	2.4	1.8	2.6
166	28.2	23.0	34.4



#60
 Diethylphthalate
 Concen: 48.695 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion:	149	Resp:	761174
Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.2
150	12.4	10.5	15.7

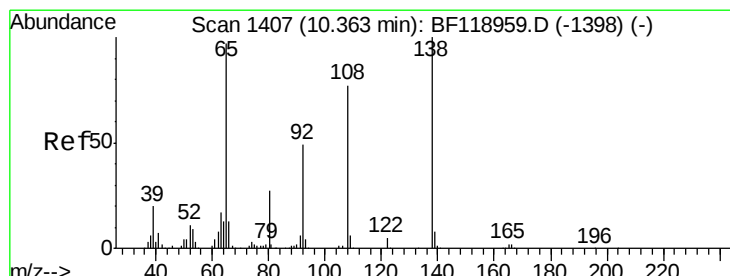
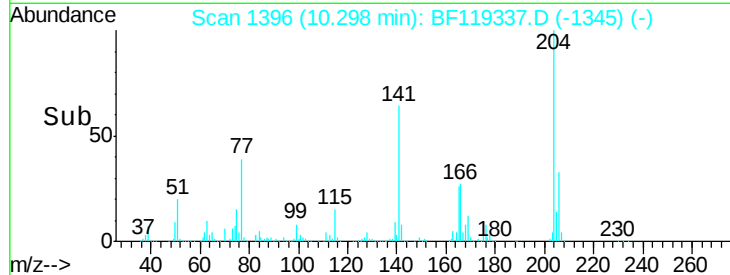
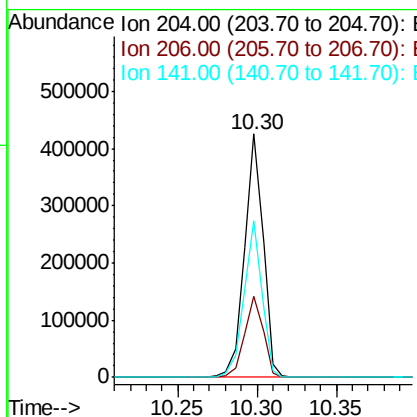
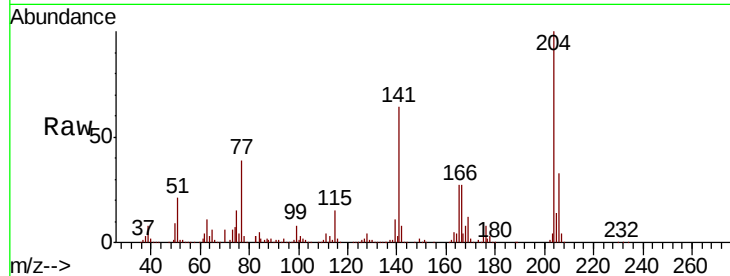




#61
 4-Chlorophenyl-phenylether
 Concen: 45.610 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

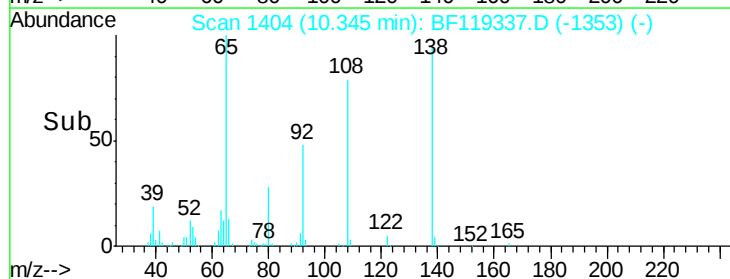
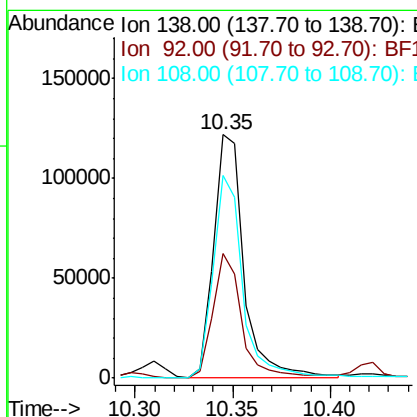
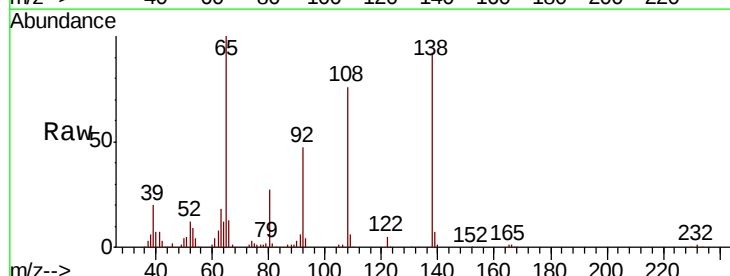
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

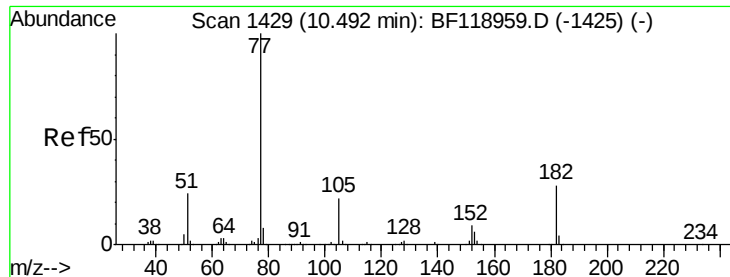
Tot Ion:	204	Resp:	344508
Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.1	40.7
141	64.4	52.9	79.3



#62
 4-Nitroaniline
 Concen: 31.604 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion:	138	Resp:	132102
Ion	Ratio	Lower	Upper
138	100		
92	51.1	27.3	67.3
108	83.1	57.0	97.0

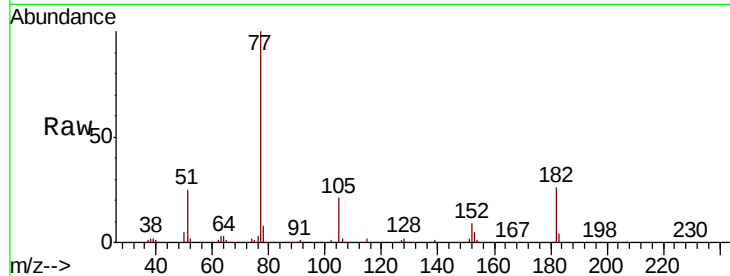




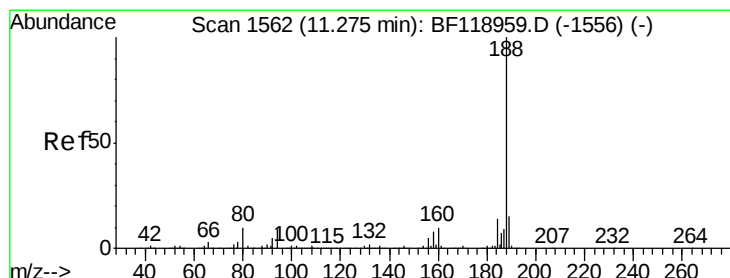
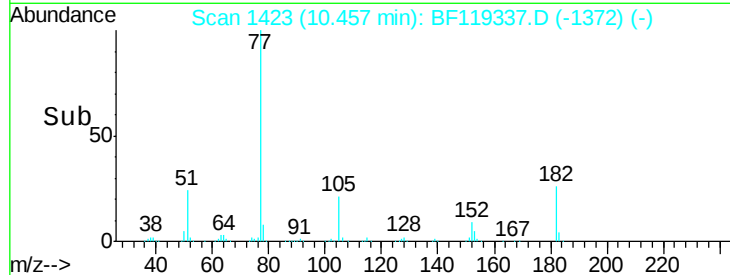
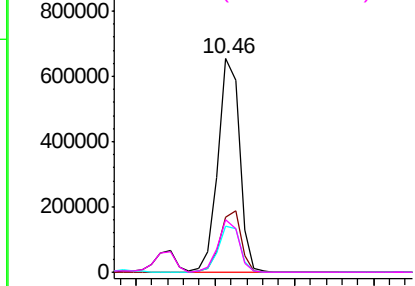
#63
Azobenzene
Concen: 45.512 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

Tot Ion: 77 Resp: 618362
Ion Ratio Lower Upper
77 100
182 26.0 11.4 51.4
105 21.4 3.4 43.4
51 24.5 5.1 45.1

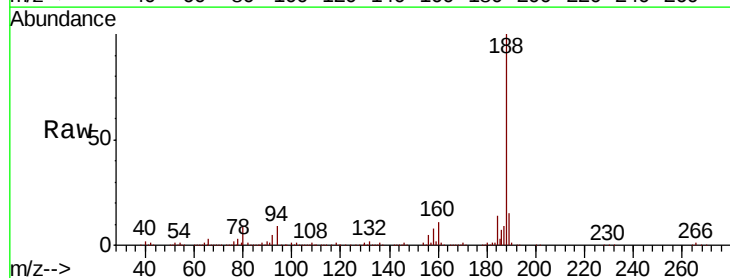


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

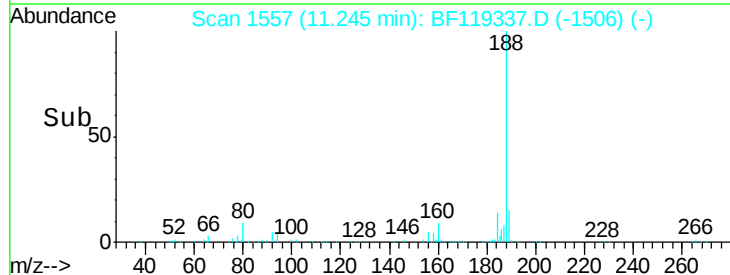
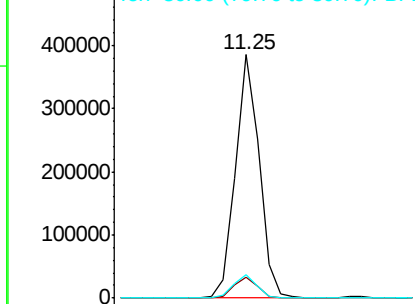


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion: 188 Resp: 326055
Ion Ratio Lower Upper
188 100
94 8.5 7.1 10.7
80 9.5 7.8 11.8



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

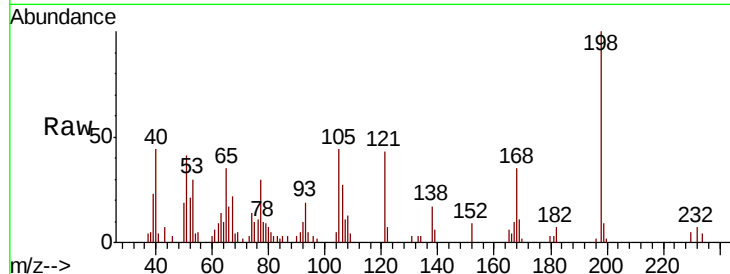




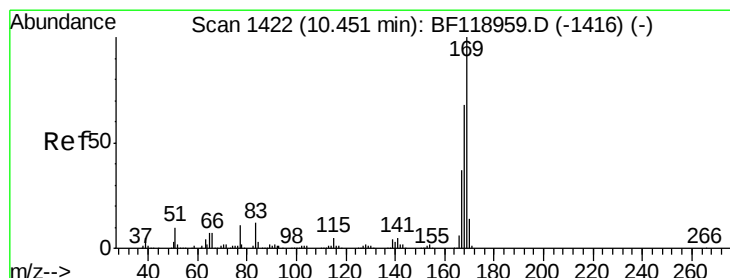
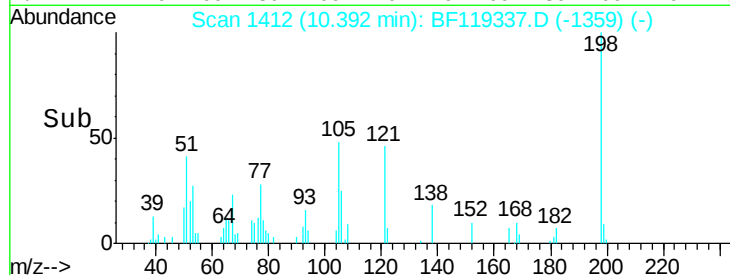
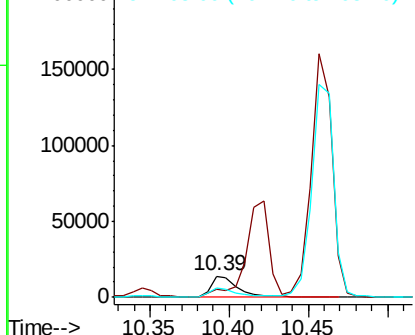
#65
4,6-Dinitro-2-methylphenol
Concen: 8.795 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

Tot Ion:198 Resp: 17352
Ion Ratio Lower Upper
198 100
51 40.7 14.2 54.2
105 44.4 22.7 62.7

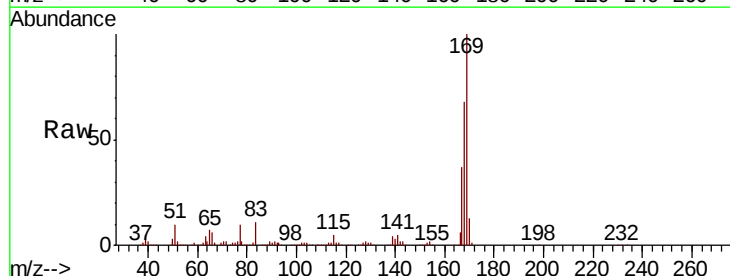


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

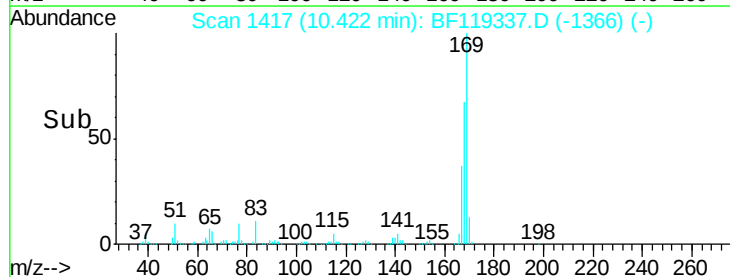
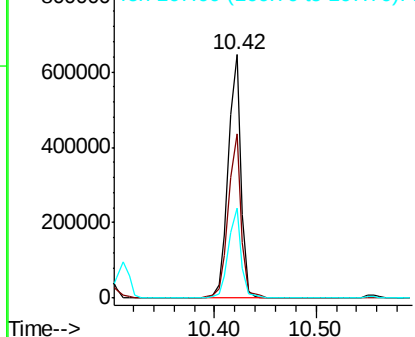


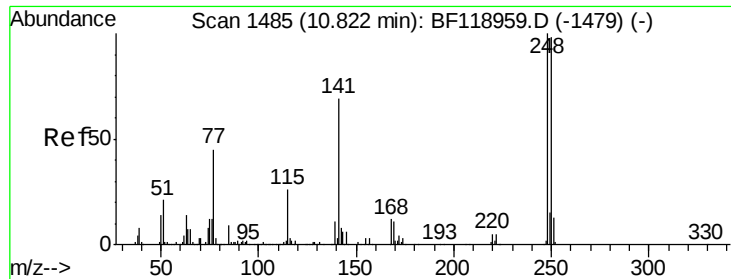
#66
n-Nitrosodiphenylamine
Concen: 52.884 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion:169 Resp: 564606
Ion Ratio Lower Upper
169 100
168 67.7 54.1 81.1
167 37.1 29.4 44.0



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

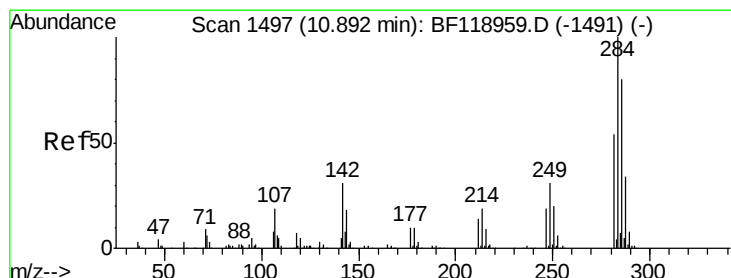
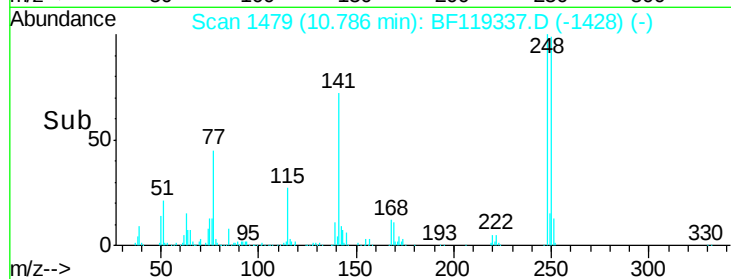
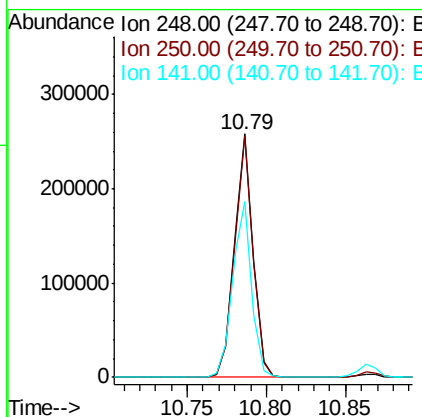
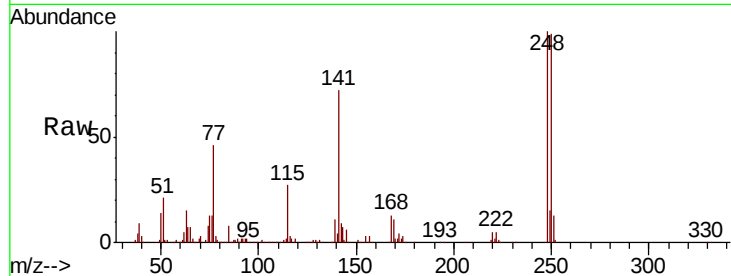




#67
4-Bromophenyl-phenylether
Concen: 49.516 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

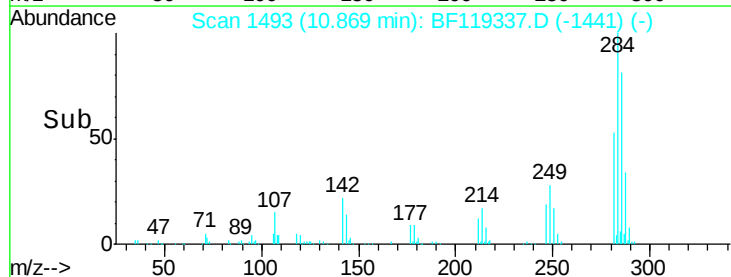
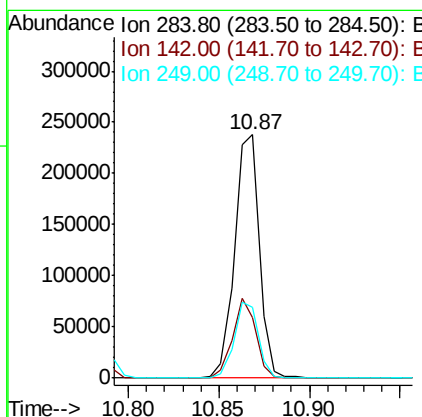
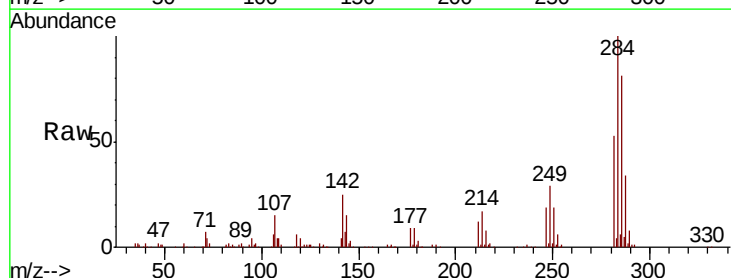
Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

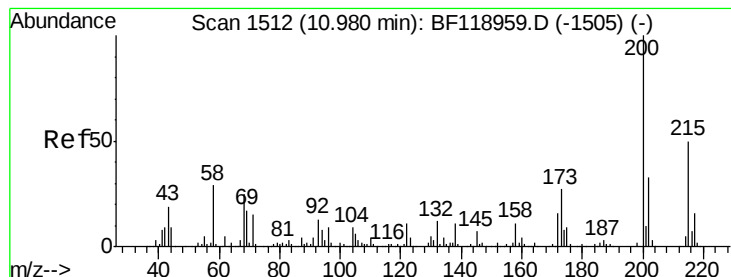
Tot Ion:248 Resp: 211033
Ion Ratio Lower Upper
248 100
250 98.8 76.7 115.1
141 72.2 60.7 91.1



#68
Hexachlorobenzene
Concen: 46.023 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion:284 Resp: 226146
Ion Ratio Lower Upper
284 100
142 24.8 23.7 35.5
249 29.2 25.0 37.6





#69

Atrazine

Concen: 48.876 ng

RT: 10.95 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

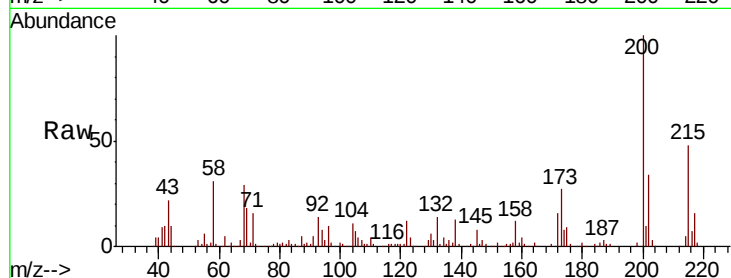
Tot Ion:200 Resp: 182315

Ion Ratio Lower Upper

200 100

173 27.3 6.4 46.4

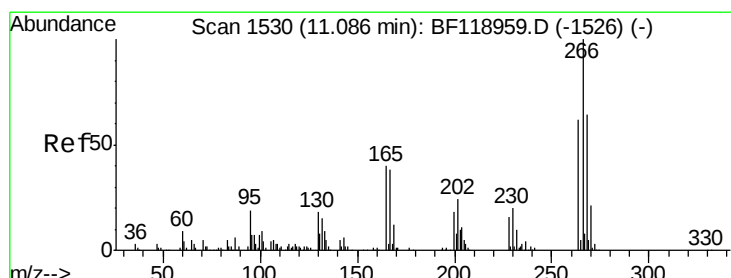
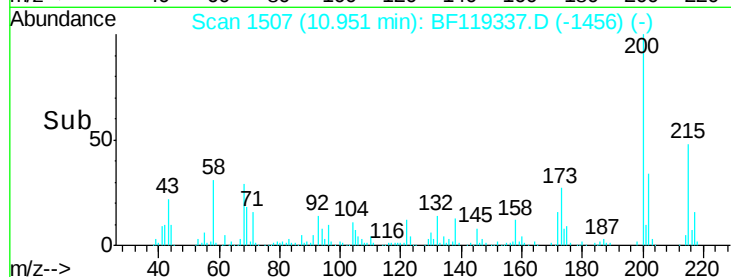
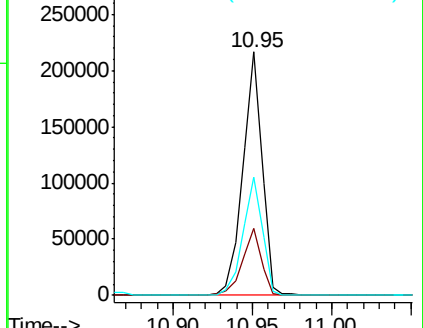
215 48.4 27.4 67.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 76.604 ng

RT: 11.07 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

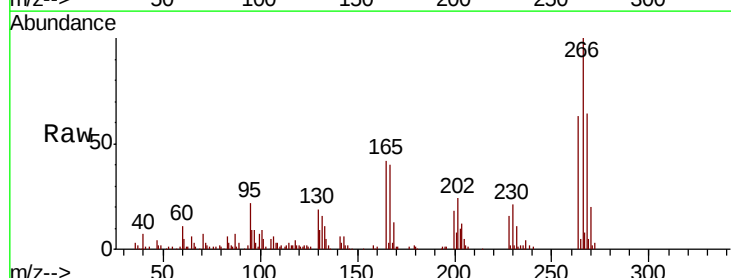
Tgt Ion:266 Resp: 151630

Ion Ratio Lower Upper

266 100

268 63.7 51.9 77.9

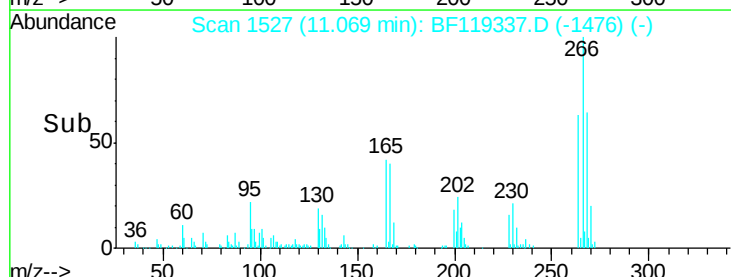
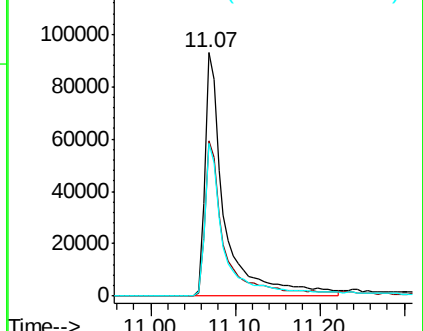
264 62.6 51.0 76.4

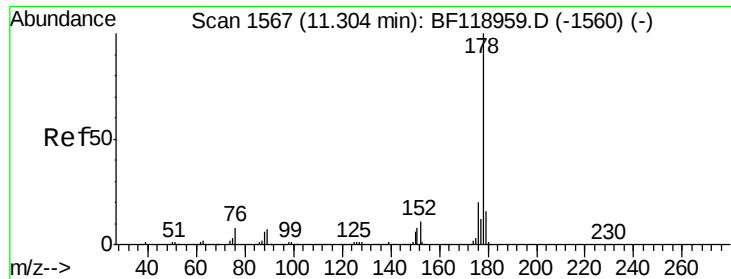


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

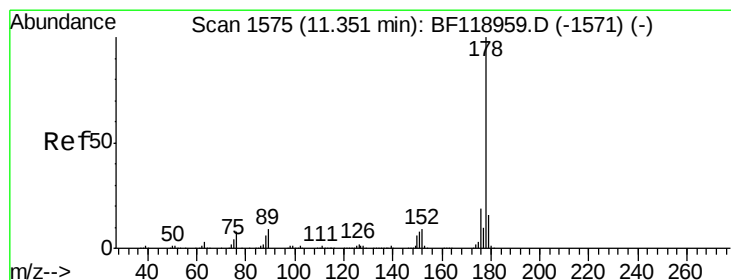
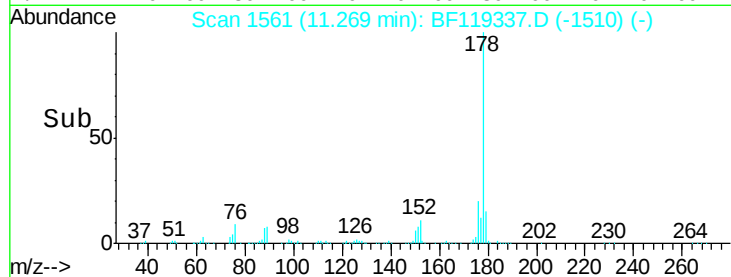
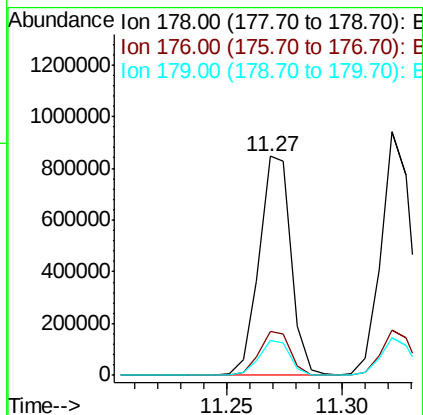
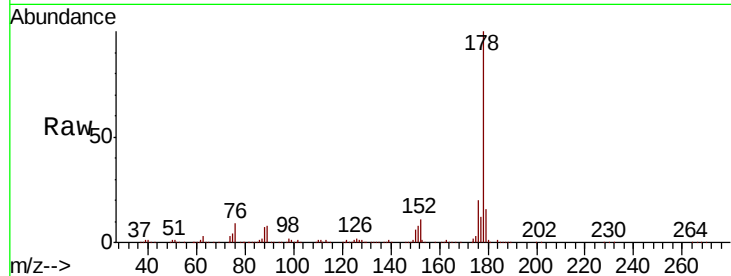




#71
 Phenanthrene
 Concen: 46.177 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

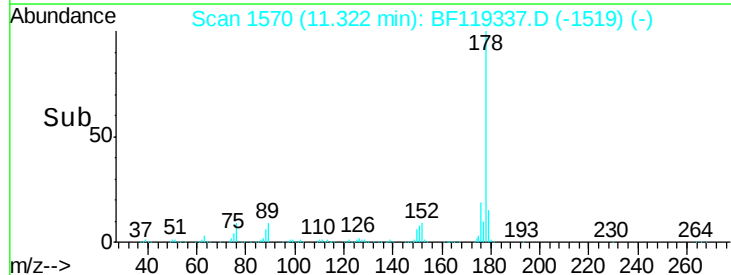
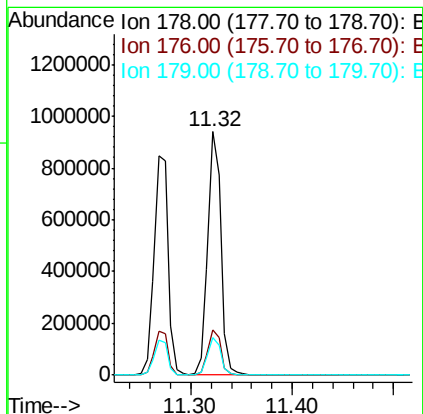
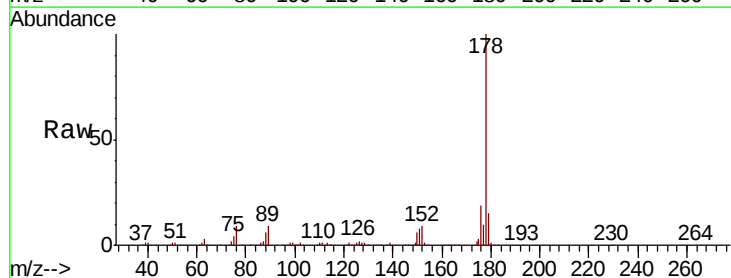
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

Tot Ion:178 Resp: 821086
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.5 24.7
 179 15.8 13.0 19.6



#72
 Anthracene
 Concen: 47.959 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion:178 Resp: 852063
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.0 24.0
 179 15.4 13.1 19.7

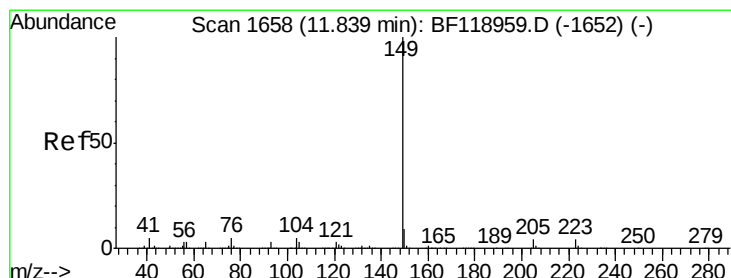
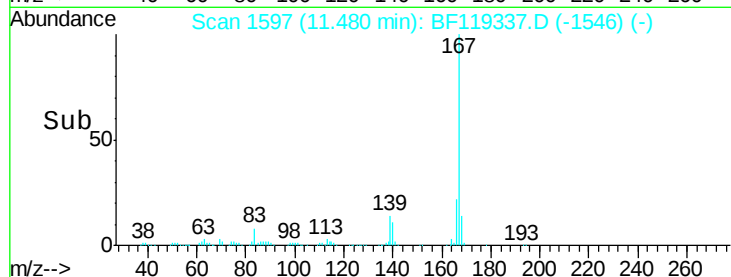
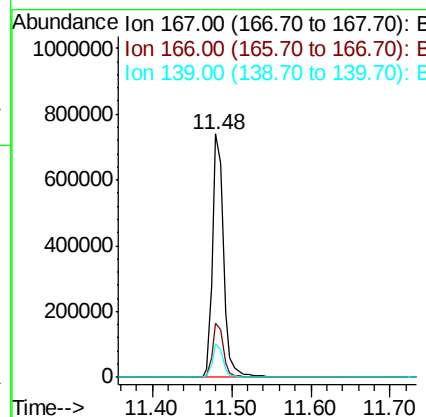
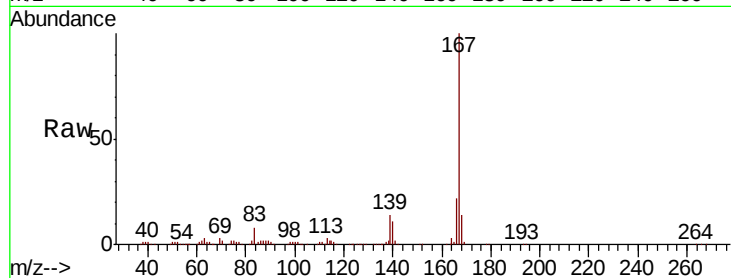




#73
 Carbazole
 Concen: 45.619 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

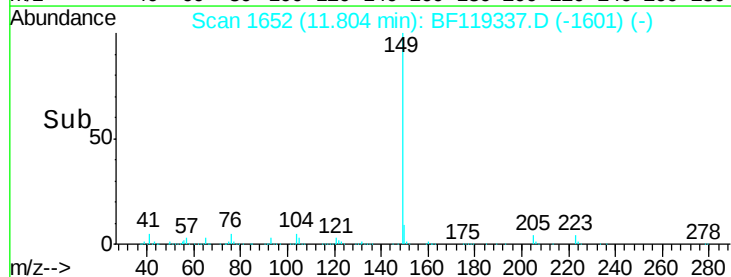
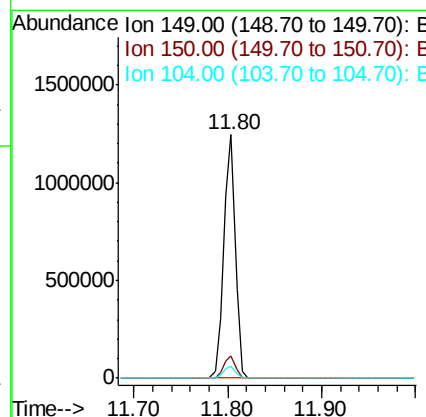
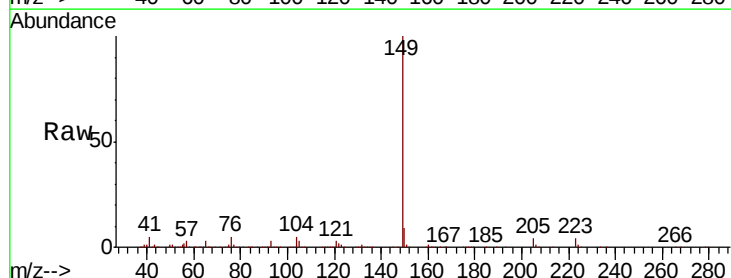
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

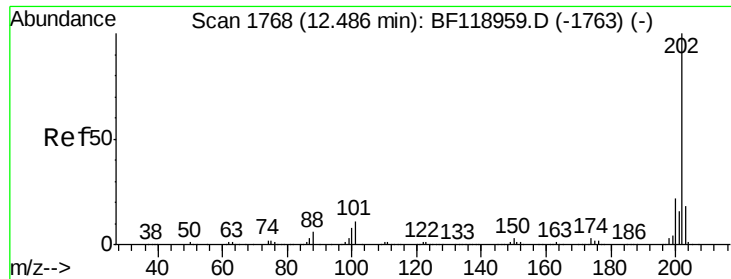
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.2	27.4
139	13.8	11.7	17.5



#74
 Di-n-butylphthalate
 Concen: 55.719 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.9	11.9
104	5.0	4.6	6.8

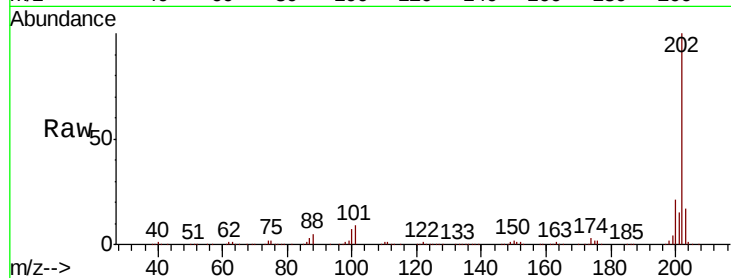




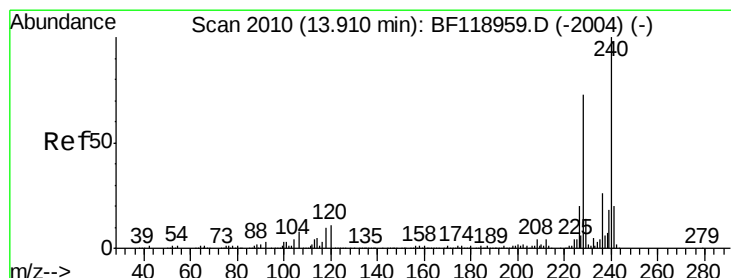
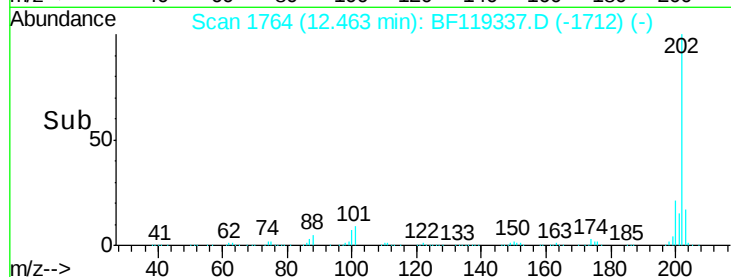
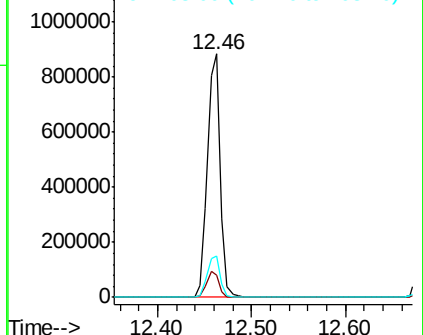
#75
Fluoranthene
Concen: 45.278 ng
RT: 12.46 min Scan# 1764
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Instrument :
BNA_F
ClientSampleId :
MC5B39MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.3
203	17.2	0.0	38.4

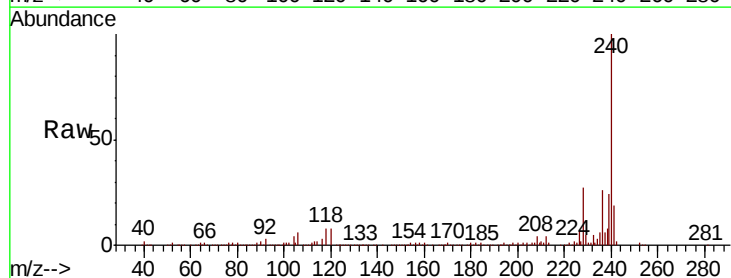


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

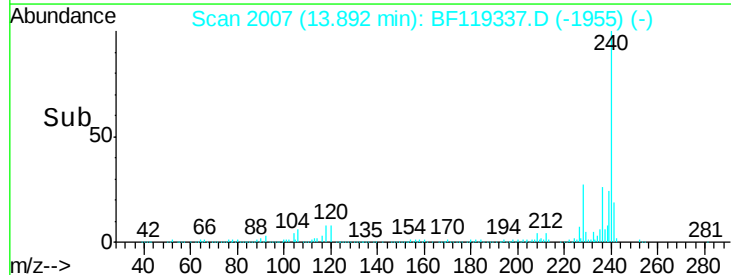
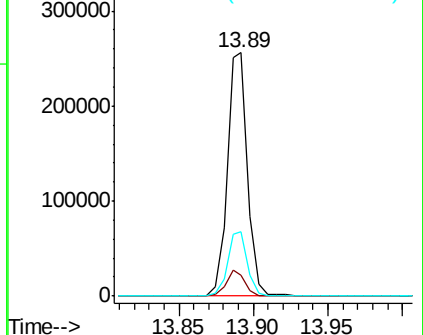


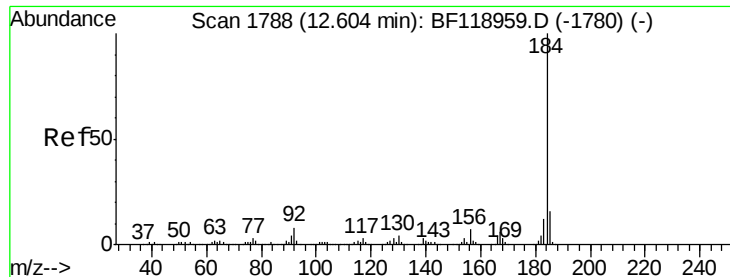
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF119337.D
Acq: 11 Mar 2020 6:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.4	12.6
236	26.5	21.0	31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.670 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

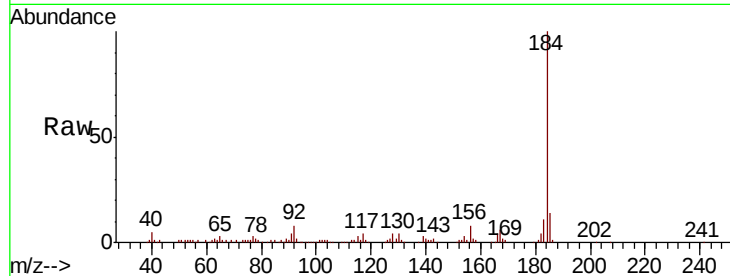
Tot Ion:184 Resp: 166474

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.4

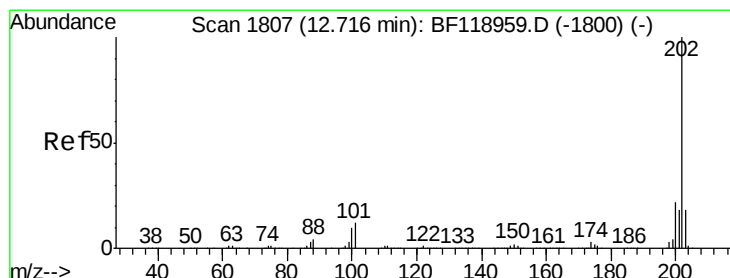
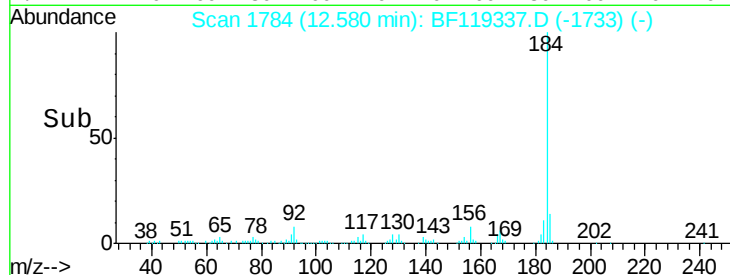
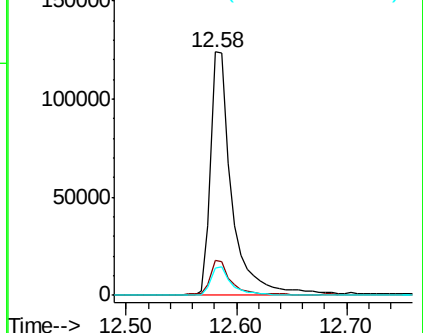
183 11.3 9.9 14.9



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: 43.375 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

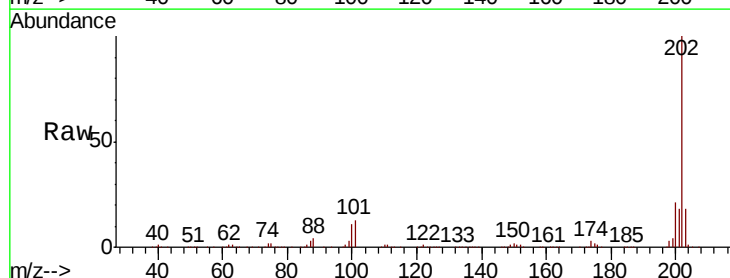
Tgt Ion:202 Resp: 855235

Ion Ratio Lower Upper

202 100

200 21.5 18.0 27.0

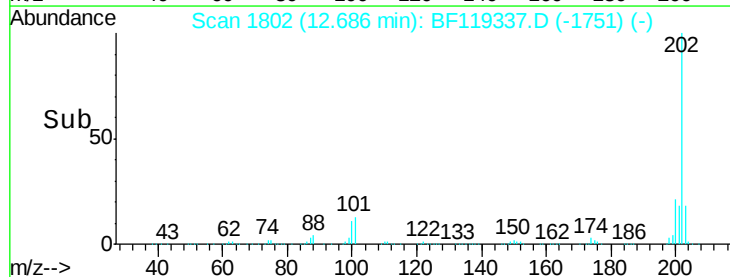
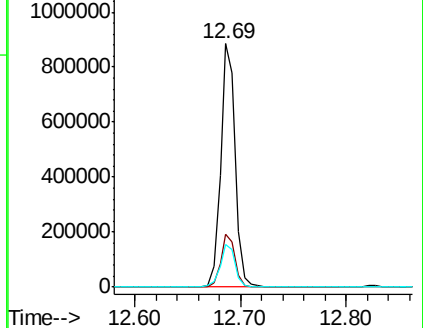
203 17.7 14.6 22.0



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: 87.271 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

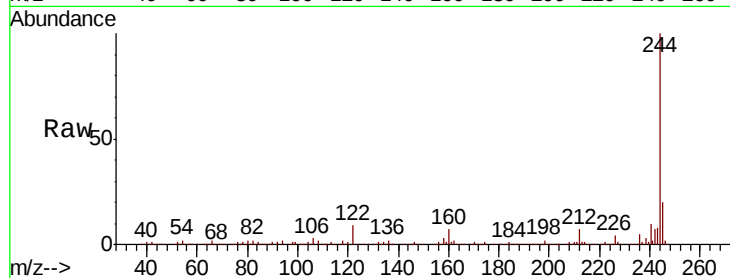
Tot Ion:244 Resp: 1244680

Ion Ratio Lower Upper

244 100

212 7.2 6.6 10.0

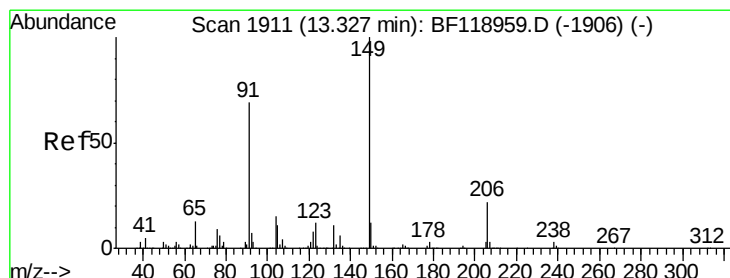
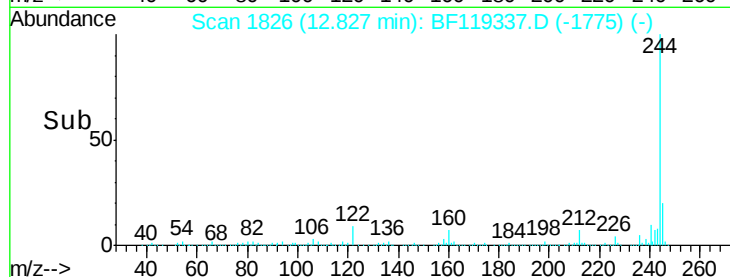
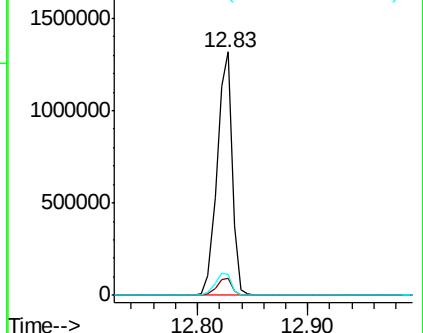
122 8.8 8.2 12.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.115 ng

RT: 13.30 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

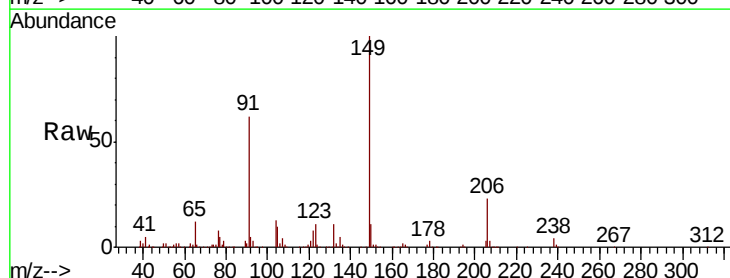
Tgt Ion:149 Resp: 390984

Ion Ratio Lower Upper

149 100

91 62.0 52.3 78.5

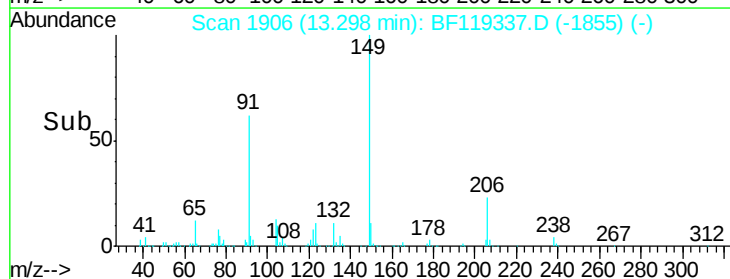
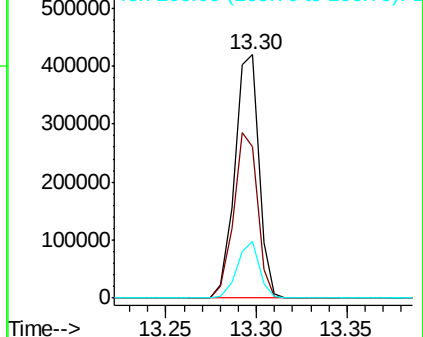
206 23.1 18.5 27.7



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: 48.610 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

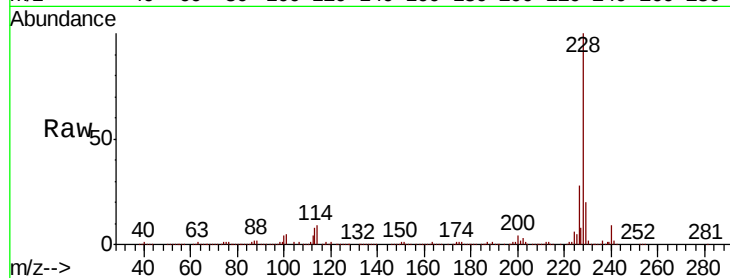
Tot Ion:228 Resp: 813297

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

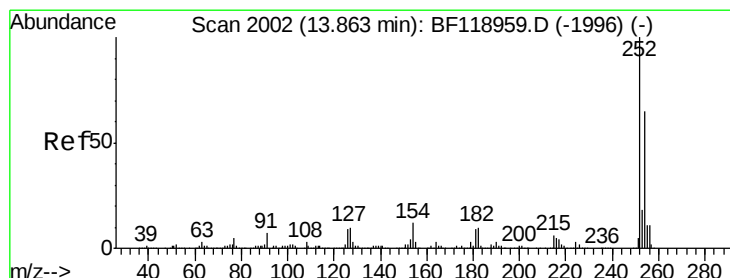
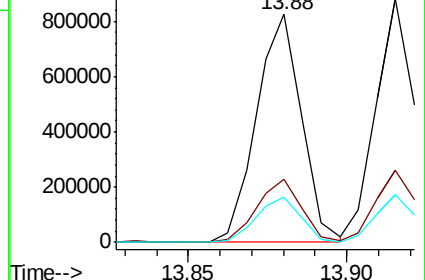
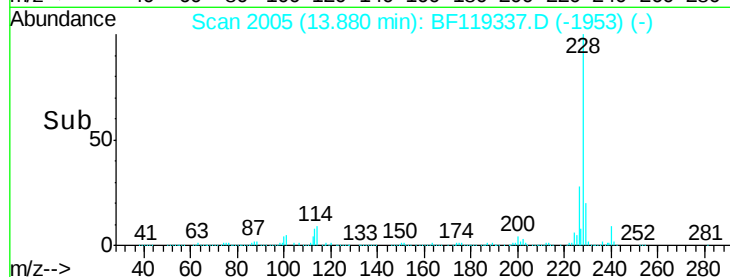
229 19.9 16.6 24.8



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: 38.448 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

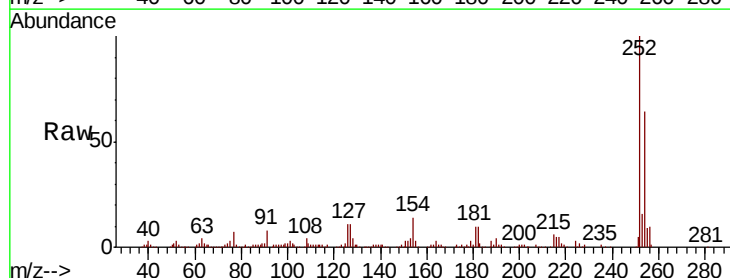
Tgt Ion:252 Resp: 249787

Ion Ratio Lower Upper

252 100

254 64.4 51.6 77.4

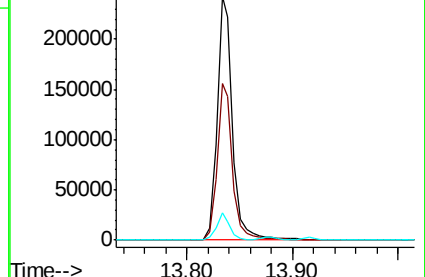
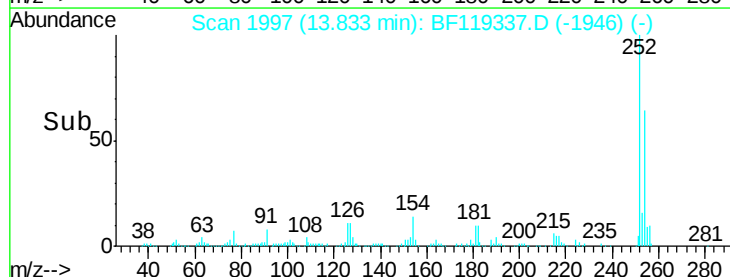
126 11.1 7.4 11.0#

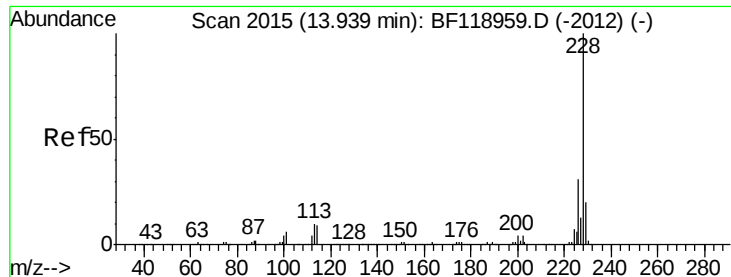


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

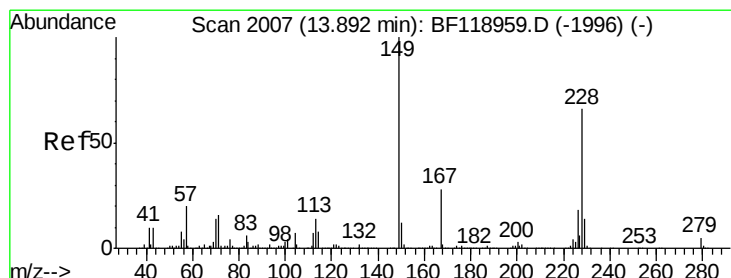
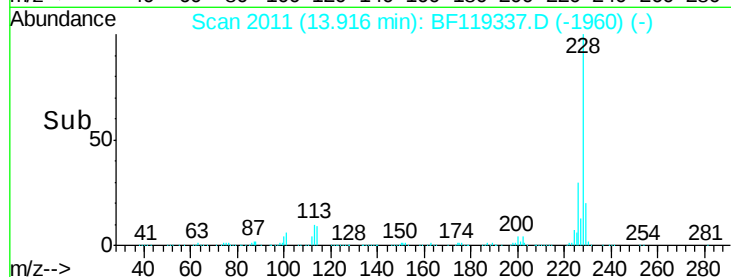
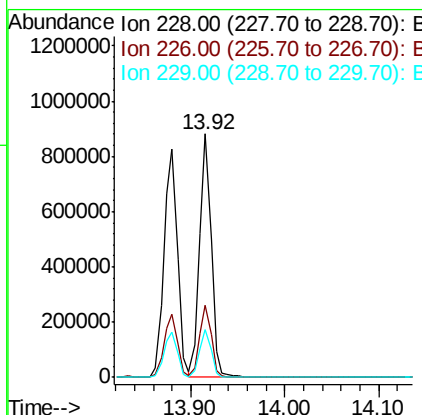
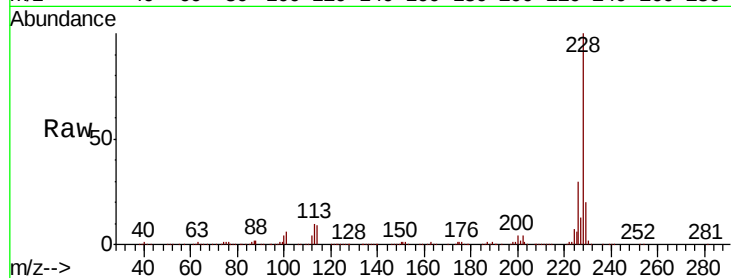




#83
 Chrvsene
 Concen: 45.834 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

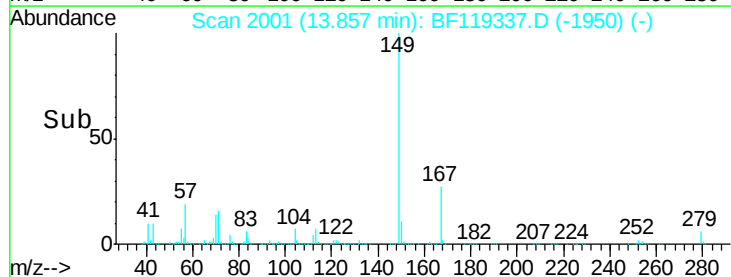
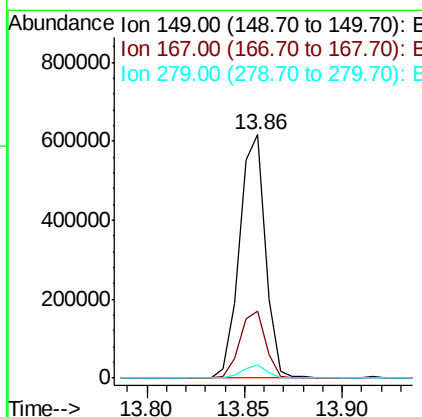
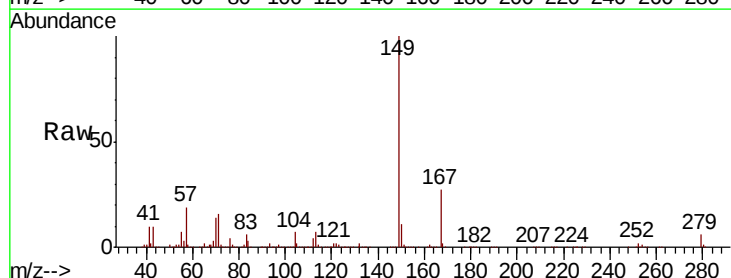
Instrument :
 BNA_F
 ClientSampleId :
 MC5B39MSD

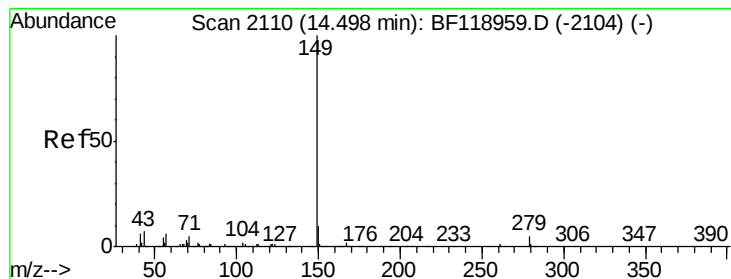
Tot Ion:228 Resp: 764101
 Ion Ratio Lower Upper
 228 100
 226 29.6 25.1 37.7
 229 19.6 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.182 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF119337.D
 Acq: 11 Mar 2020 6:29

Tgt Ion:149 Resp: 568037
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.8 34.2
 279 5.6 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 56.817 ng

RT: 14.46 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

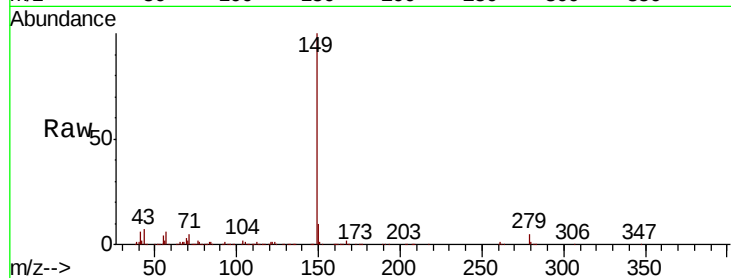
Tot Ion:149 Resp: 949082

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

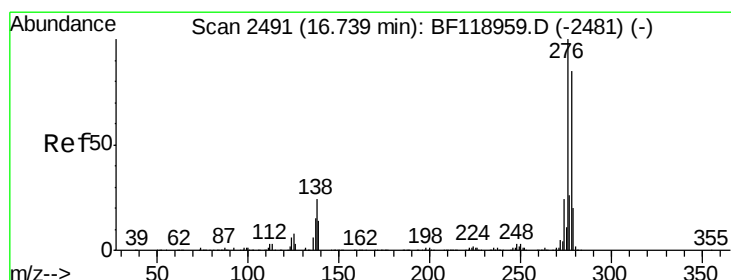
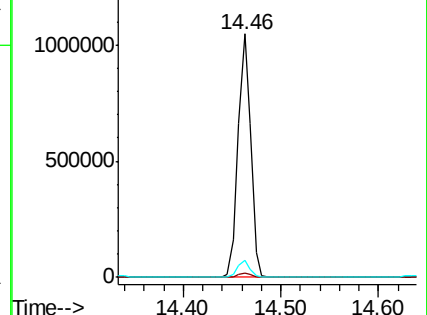
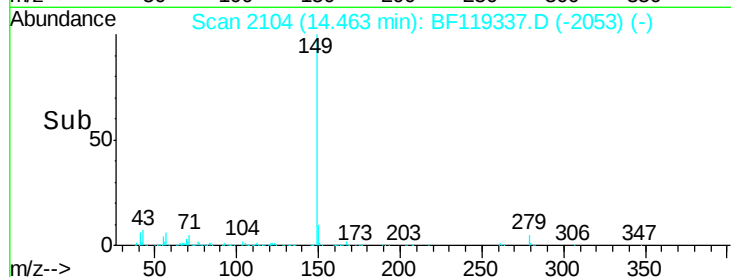
43 6.7 5.7 8.5



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: 35.723 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

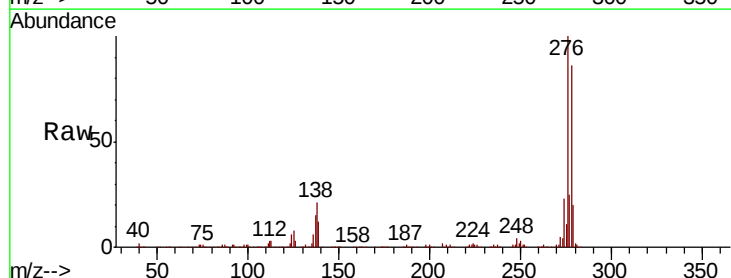
Tgt Ion:276 Resp: 576636

Ion Ratio Lower Upper

276 100

138 21.6 17.4 26.0

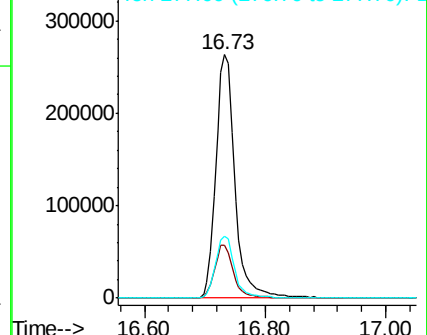
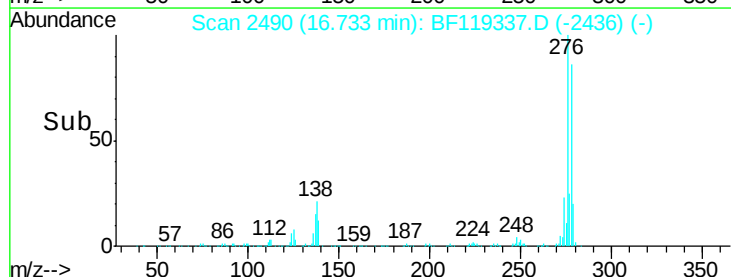
277 25.7 20.3 30.5

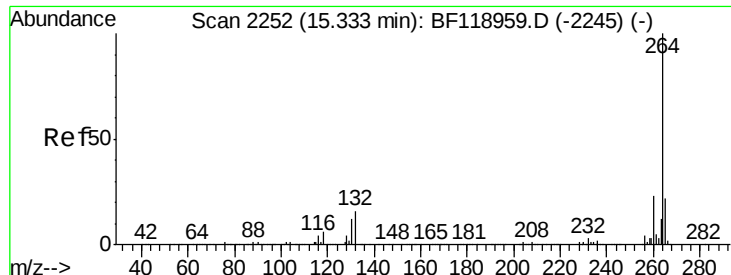


Abundance Ion 276.00 (275.70 to 276.70): E

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# 2250

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

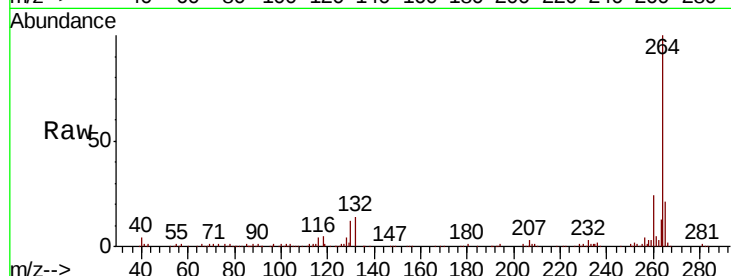
Tot Ion:264 Resp: 210493

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

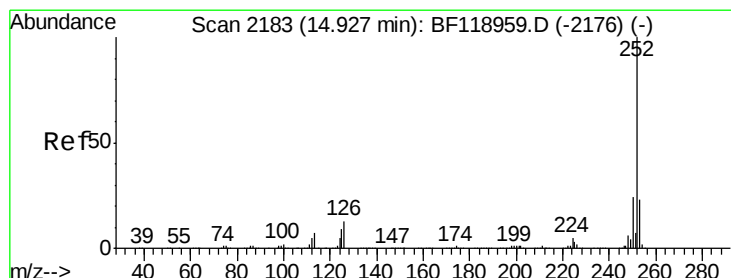
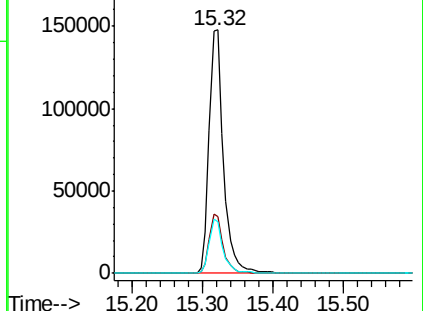
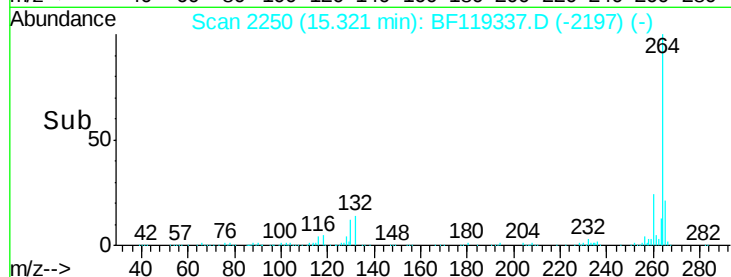
265 21.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 52.532 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

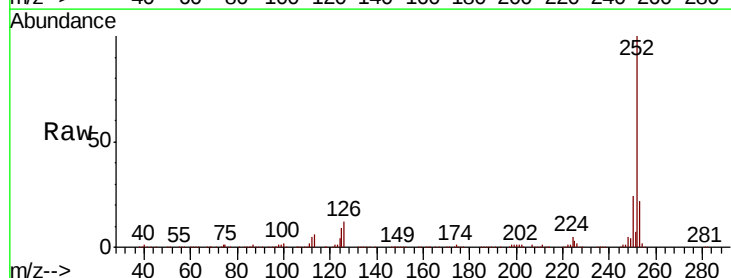
Tgt Ion:252 Resp: 728860

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

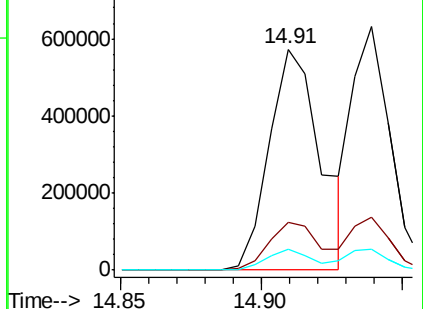
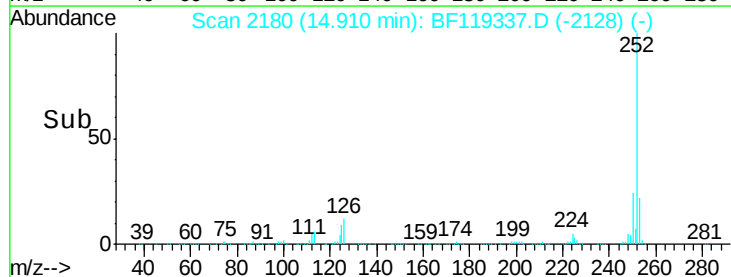
125 9.3 7.4 11.0

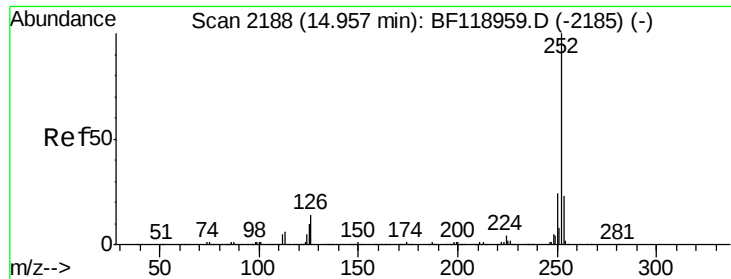


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 47.076 ng

RT: 14.94 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

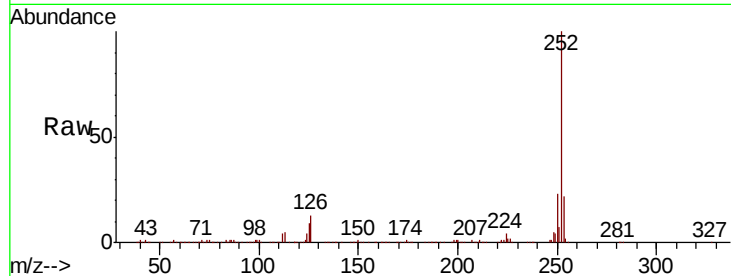
Tot Ion:252 Resp: 605289

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

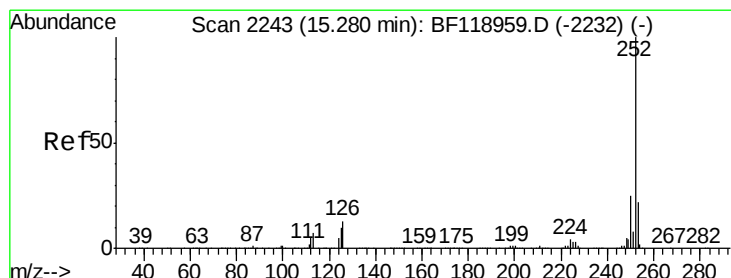
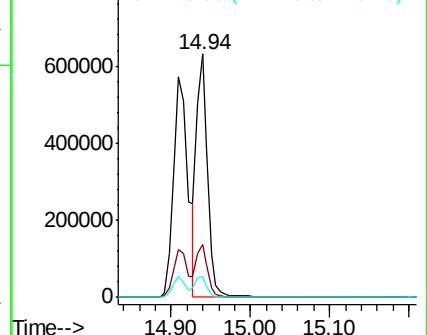
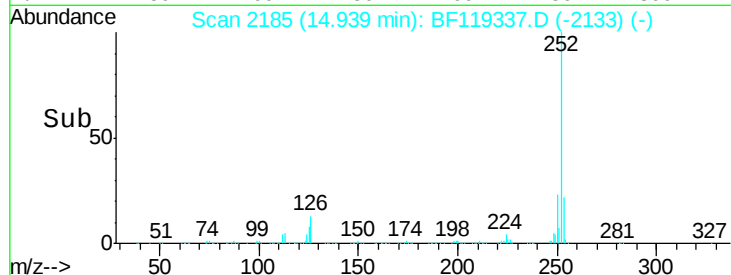
125 8.6 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 44.928 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

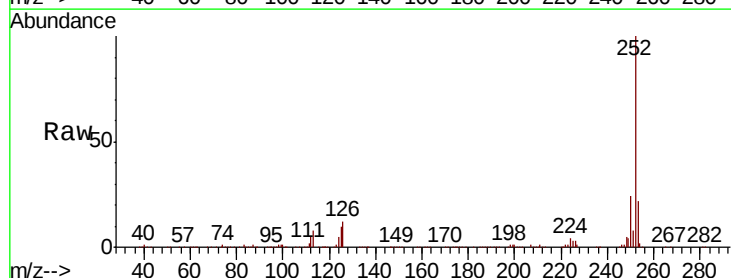
Tgt Ion:252 Resp: 562591

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

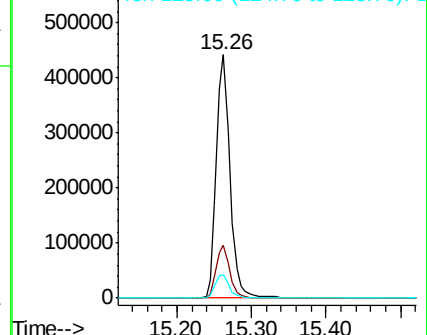
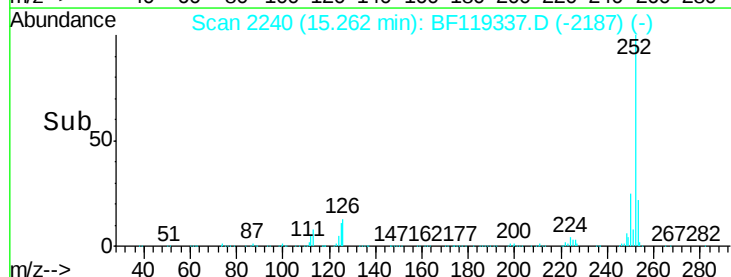
125 9.8 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.689 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

Instrument :

BNA_F

ClientSampleId :

MC5B39MSD

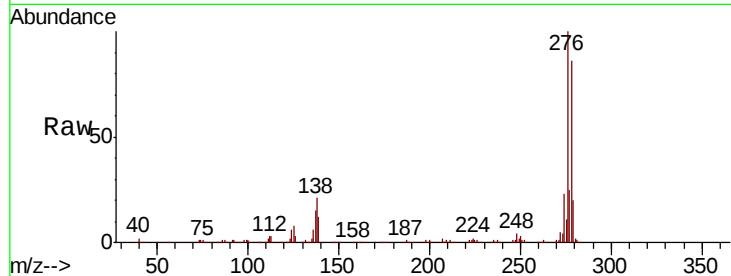
Tot Ion:278 Resp: 492381

Ion Ratio Lower Upper

278 100

139 14.2 11.0 16.4

279 23.2 18.6 28.0

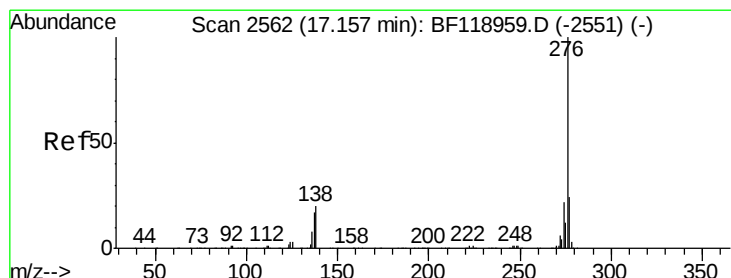
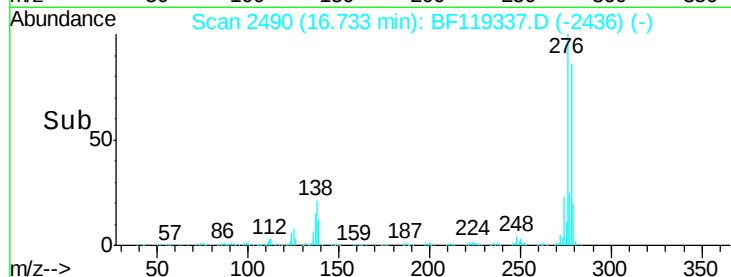
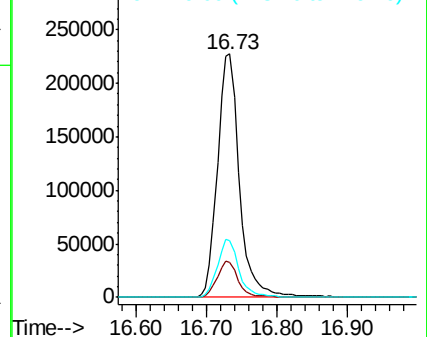


Abundance

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: 43.065 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.02 min

Lab File: BF119337.D

Acq: 11 Mar 2020 6:29

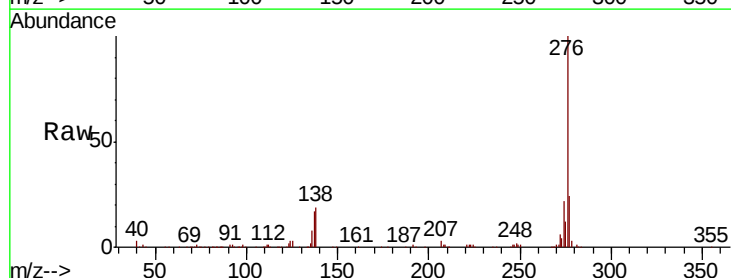
Tgt Ion:276 Resp: 468825

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 18.8 14.3 21.5



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

