

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120269.D
 Acq On : 1 May 2020 20:18
 Operator : MA/SJ
 Sample : L2457-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:10:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	108984	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	306867	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	12259	20.00	ng	-0.02
64) Phenanthrene-d10	11.16	188	2879	20.00	ng	-0.02
76) Chrysene-d12	13.84	240	24753	20.00	ng	0.02
87) Perylene-d12	15.25	264	322790	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	486198	77.10	ng	-0.01
7) Phenol-d6	6.30	99	593967	73.10	ng	-0.01
23) Nitrobenzene-d5	7.22	82	436786	73.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	3522	23.47	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	232727	269.53	ng	0.00
79) Terphenyl-d14	12.94	244	340274	231.31	ng	0.17

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.20	77	552	Below Cal		# 65
25) Isophorone	7.22	82	433467	37.909	ng	# 65
44) 2,4,5-Trichlorophenol	8.94	196	1057	3.510	ng	# 1
46) 1,1'-Biphenyl	9.12	154	15855	15.323	ng	# 1
48) 2-Nitroaniline	9.22	65	8567	29.658	ng	# 70
49) Acenaphthylene	9.55	152	16956	13.987	ng	# 1
50) Dimethylphthalate	9.35	163	105221	110.967	ng	# 13
51) 2,6-Dinitrotoluene	9.55	165	201385	969.859	ng	# 45
52) Acenaphthene	9.68	154	1837	2.272	ng	# 1
53) 3-Nitroaniline	9.63	138	4905	20.683	ng	# 31
54) 2,4-Dinitrophenol	9.76	184	2137	17.190	ng	# 1
55) Dibenzofuran	9.73	168	9172	8.266	ng	# 1
56) 4-Nitrophenol	9.79	139	3834	21.728	ng	# 1
57) 2,4-Dinitrotoluene	9.93	165	16302	59.589	ng	# 46
58) Fluorene	10.25	166	25250	28.452	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	9.97	232	1334	5.792	ng	# 1
60) Diethylphthalate	10.03	149	11700	11.905	ng	# 17
61) 4-Chlorophenyl-phenylether	10.44	204	3095	6.804	ng	# 1
62) 4-Nitroaniline	10.17	138	52598	232.730	ng	# 44
65) 4,6-Dinitro-2-methylphenol	10.23	198	2168	114.303	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	7763	81.078	ng	# 47
67) 4-Bromophenyl-phenylether	10.60	248	2209	61.698	ng	# 1
69) Atrazine	10.95	200	2095	78.642	ng	# 1
70) Pentachlorophenol	10.89	266	18764	896.469	ng	# 36
71) Phenanthrene	11.18	178	6433	41.984	ng	# 1
72) Anthracene	11.23	178	9103	58.156	ng	# 1
73) Carbazole	11.41	167	14250	96.269	ng	# 1
74) Di-n-butylphthalate	11.73	149	2642	13.577	ng	# 14
75) Fluoranthene	12.36	202	6865	41.524	ng	# 1
77) Benzidine	12.58	184	3749	4.481	ng	# 1
78) Pyrene	12.64	202	199935	95.813	ng	# 20
80) Butylbenzylphthalate	13.33	149	31018	30.633	ng	# 35
81) Benzo(a)anthracene	13.83	228	20142	12.369	ng	# 1
83) Chrysene	13.89	228	178682	107.990	ng	# 92

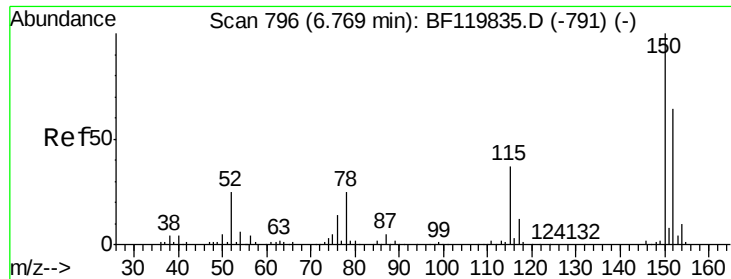
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	13.81	149	66032	48.156	nq	# 66
85) Di-n-octyl phthalate	14.44	149	25343	10.855	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.58	276	115389	79.114	nq	97
88) Benzo(b)fluoranthene	14.86	252	350853	15.109	nq	# 81
89) Benzo(k)fluoranthene	14.86	252	350853	17.512	nq	# 83
90) Benzo(a)pyrene	15.19	252	149573	7.661	nq	# 88
92) Benzo(a,h,i)perylene	16.99	276	90883	5.324	nq	95

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

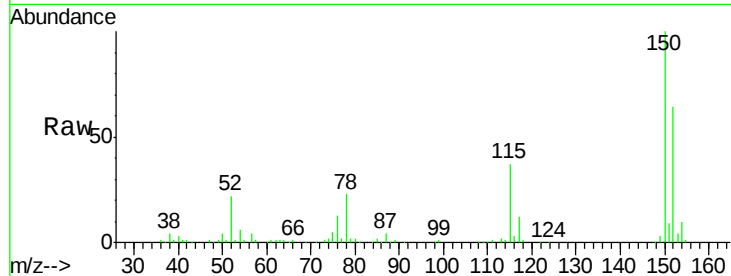


#1

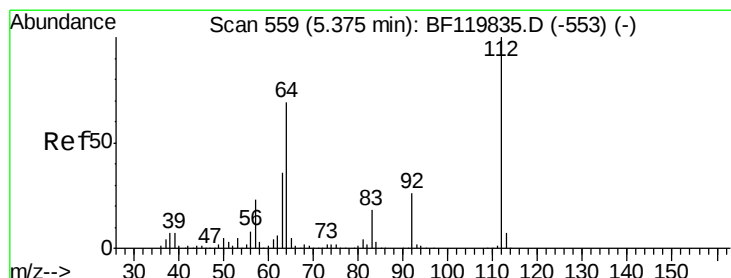
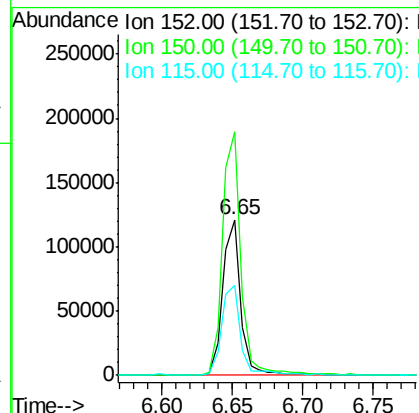
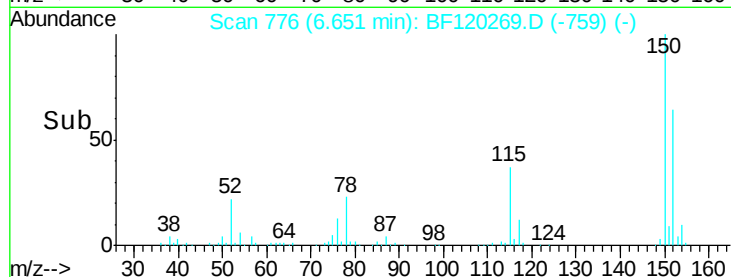
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108984
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 57.6 49.6 74.4



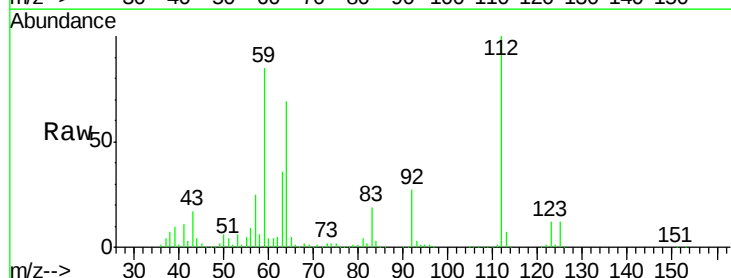
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



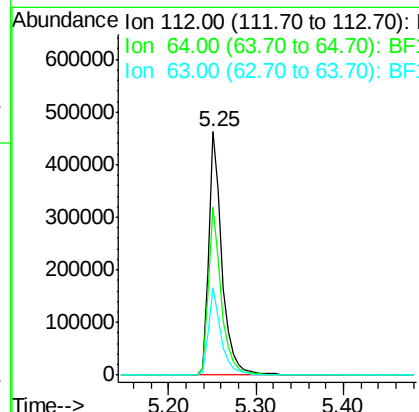
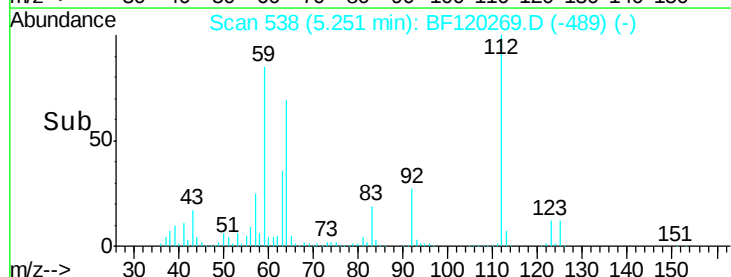
#5

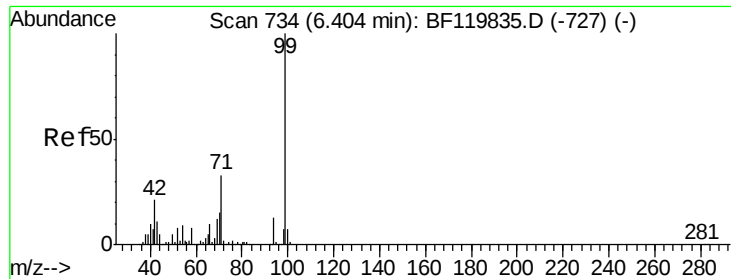
2-Fluorophenol
Concen: 77.098 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:112 Resp: 486198
Ion Ratio Lower Upper
112 100
64 69.2 56.7 85.1
63 35.9 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.095 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

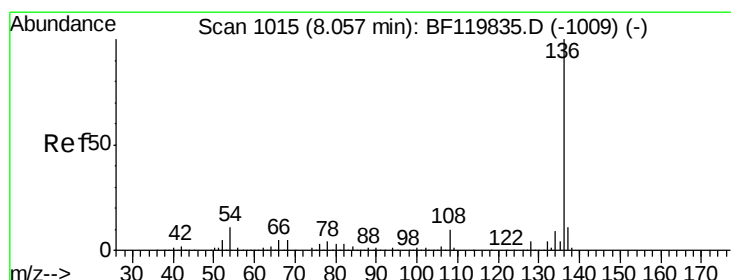
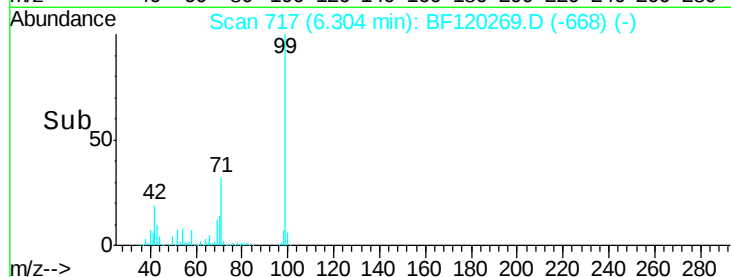
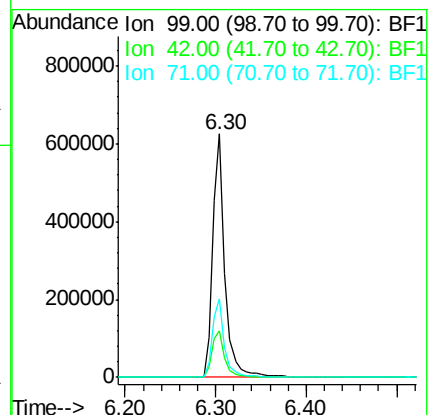
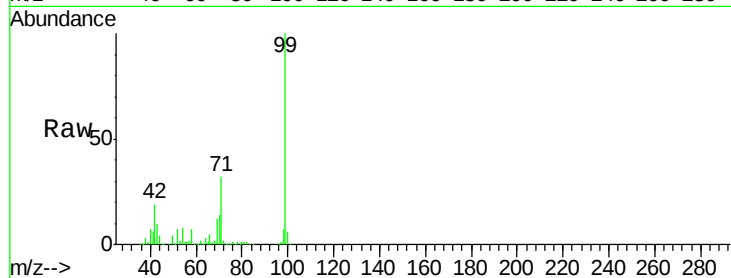
Tot Ion: 99 Resp: 593967

Ion Ratio Lower Upper

99 100

42 19.2 16.6 24.8

71 32.0 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Tgt Ion: 136 Resp: 306867

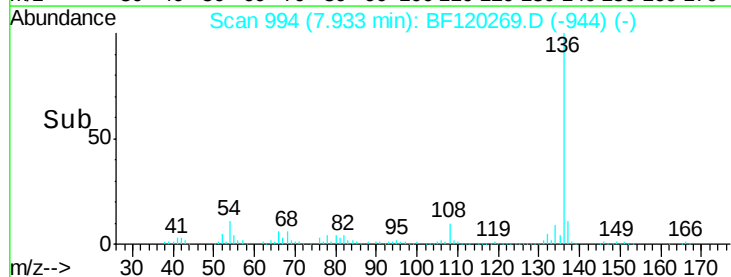
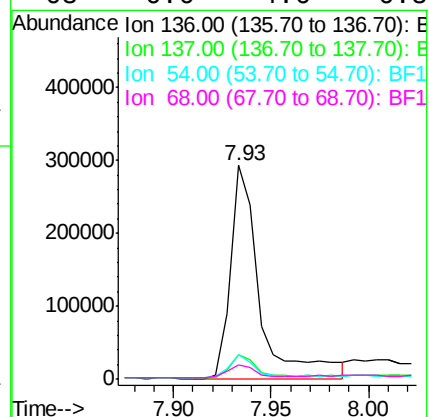
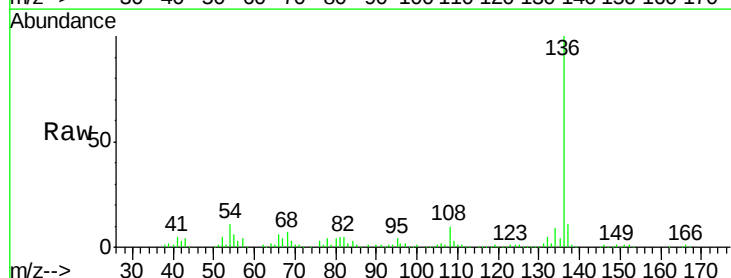
Ion Ratio Lower Upper

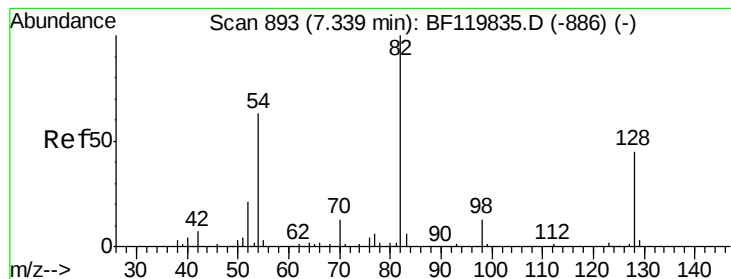
136 100

137 11.5 8.7 13.1

54 11.5 9.1 13.7

68 6.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 73.636 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

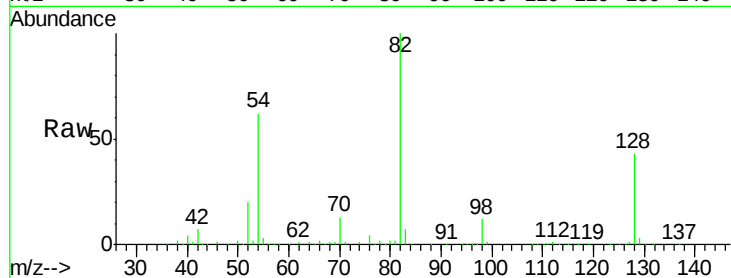
Tot Ion: 82 Resp: 436786

Ion Ratio Lower Upper

82 100

128 43.5 36.3 54.5

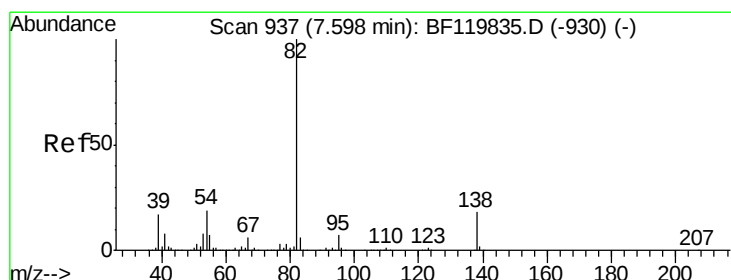
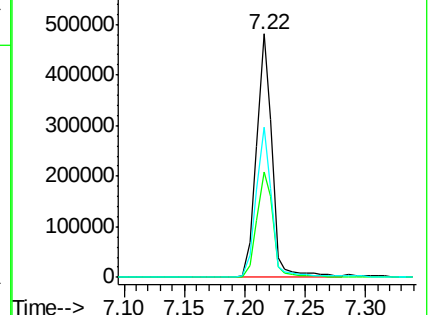
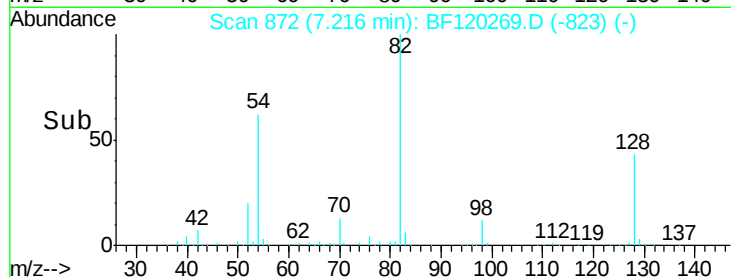
54 61.8 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 37.909 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

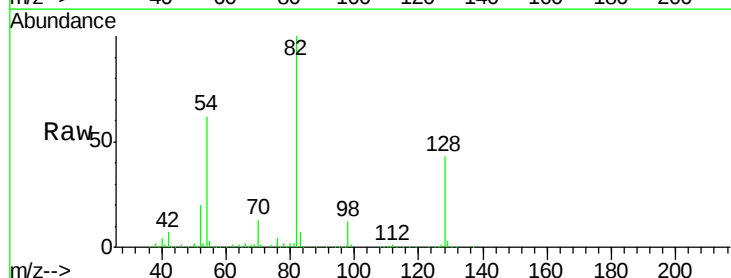
Tgt Ion: 82 Resp: 433467

Ion Ratio Lower Upper

82 100

95 0.3 5.8 8.6#

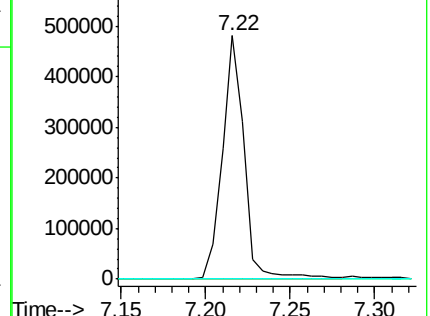
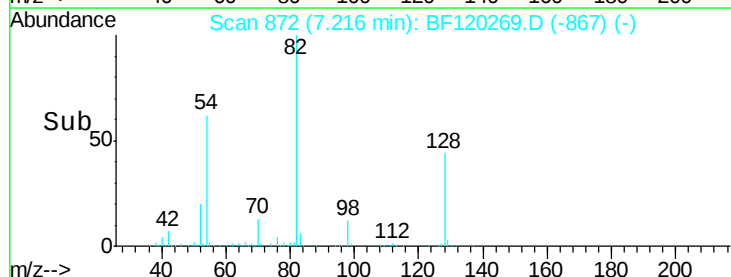
138 0.0 14.6 21.8#

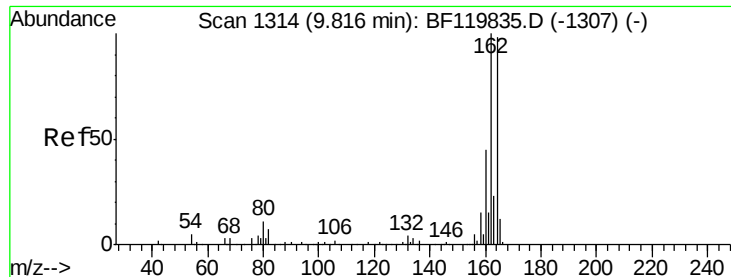


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampled :

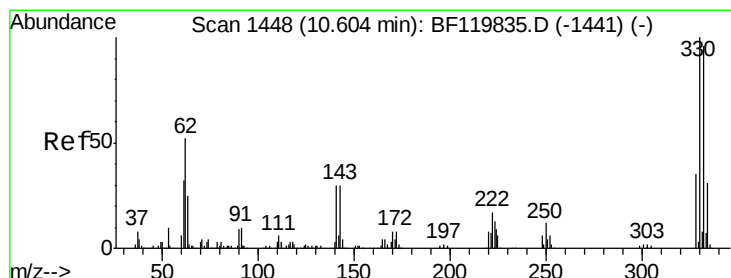
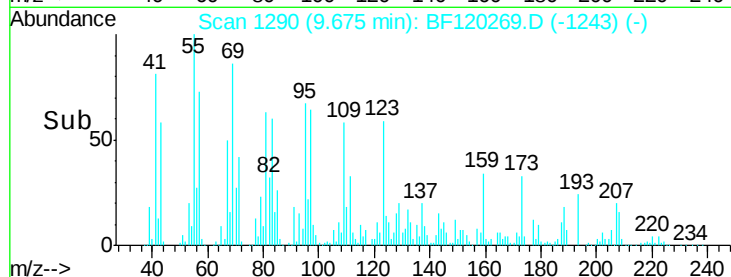
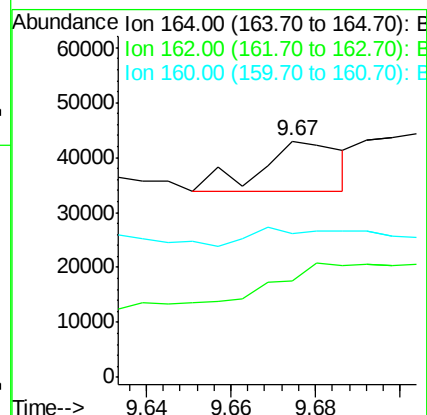
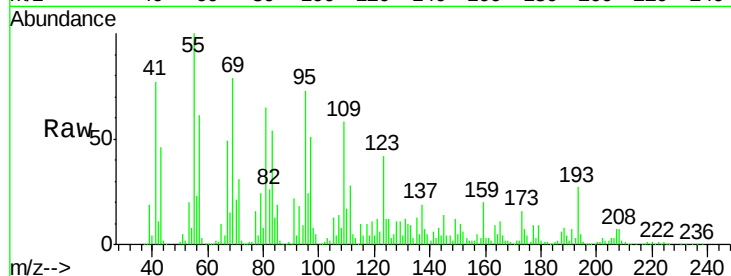
Tot Ion:164 Resp: 12259

Ion Ratio Lower Upper

164 100

162 40.7 80.6 121.0#

160 60.9 35.7 53.5#



#42

2,4,6-Tribromophenol

Concen: 23.466 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

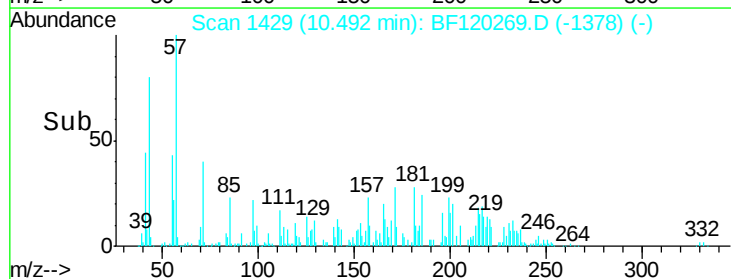
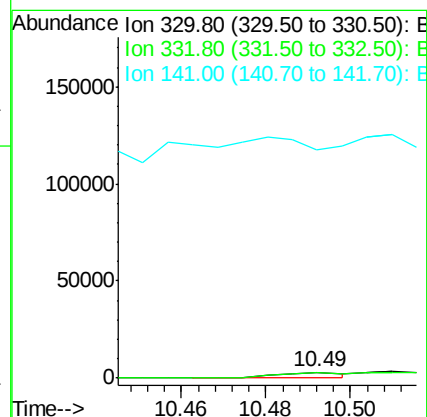
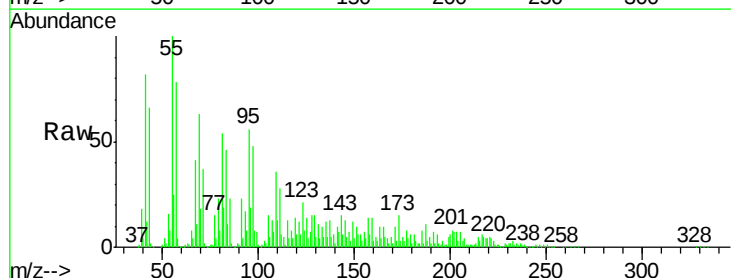
Tgt Ion:330 Resp: 3522

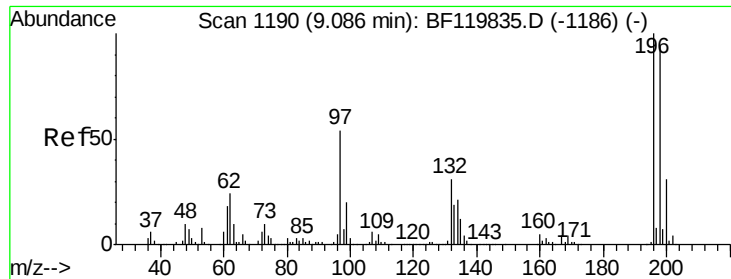
Ion Ratio Lower Upper

330 100

332 0.0 75.7 113.5#

141 700.3 25.4 38.0#

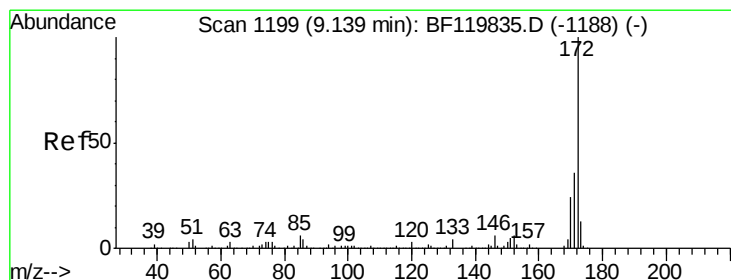
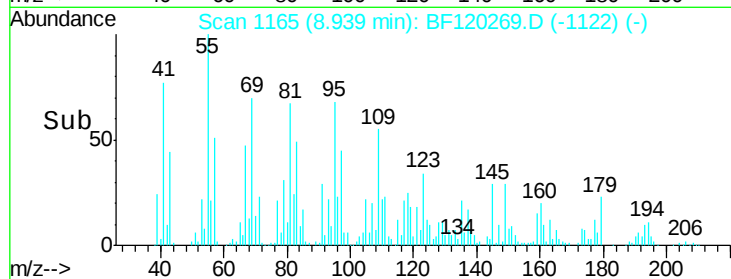
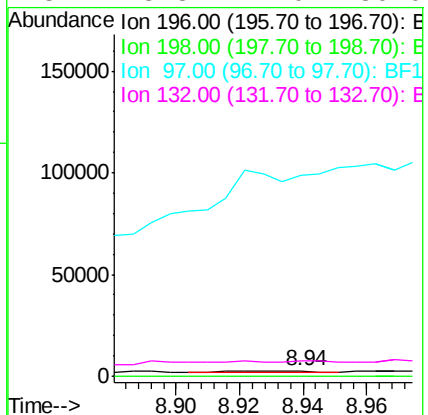
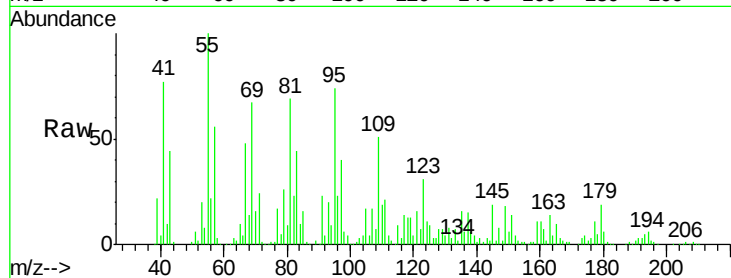




#44
 2,4,5-Trichlorophenol
 Concen: 3.510 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

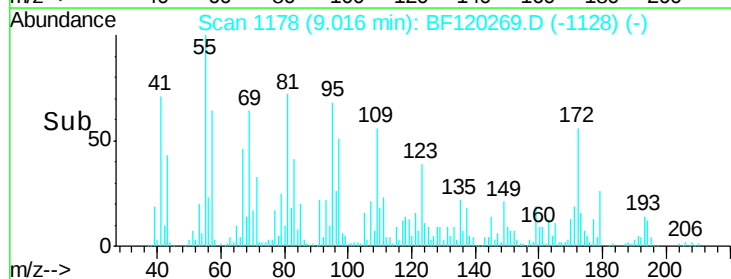
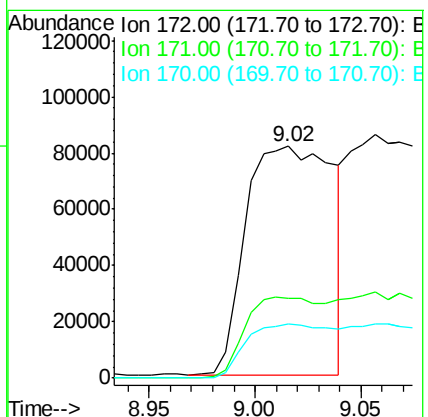
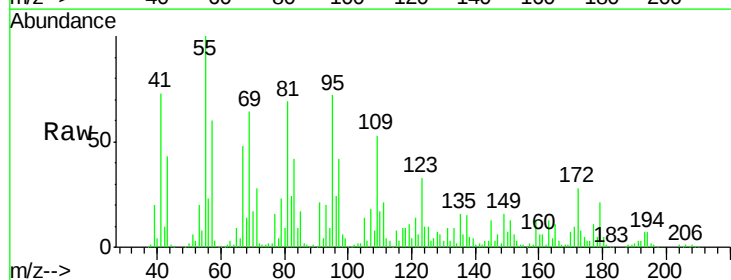
Instrument :
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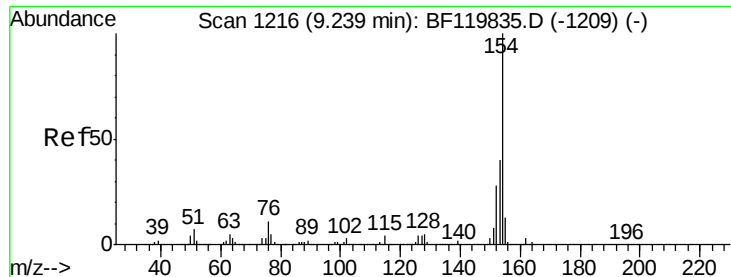
Tot Ion:196 Resp: 1057
 Ion Ratio Lower Upper
 196 100
 198 0.0 73.8 110.8#
 97 3631.9 42.6 63.8#
 132 275.8 24.0 36.0#



#45
 2-Fluorobiphenyl
 Concen: 269.534 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

Tgt Ion:172 Resp: 232727
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 23.4 20.2 30.2

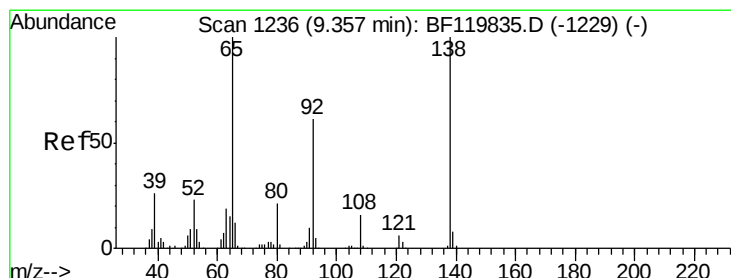
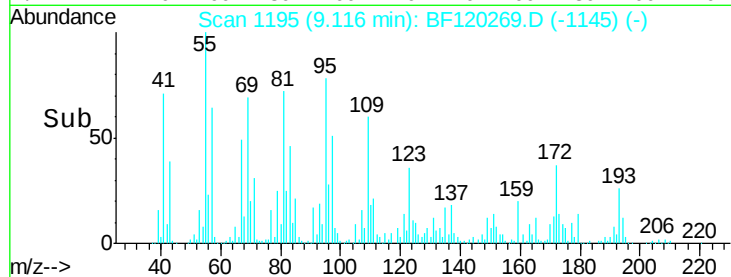
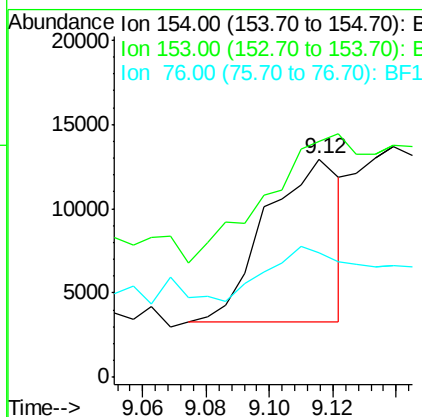
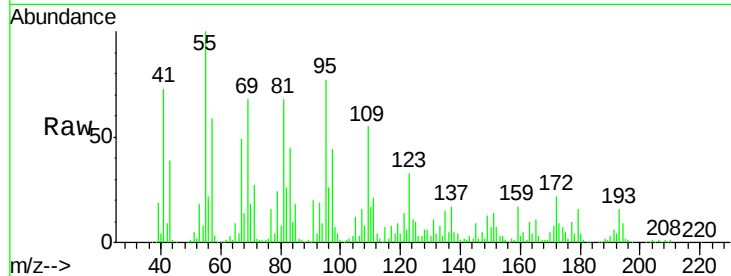




#46
 1,1'-Biphenyl
 Concen: 15.323 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

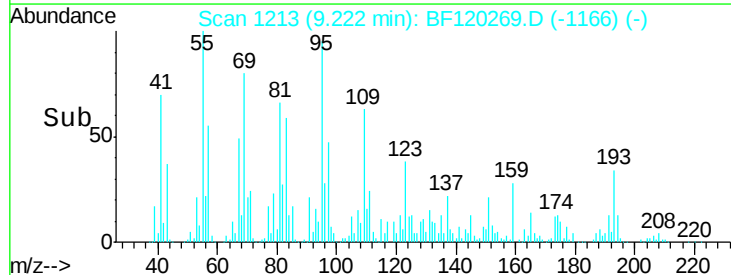
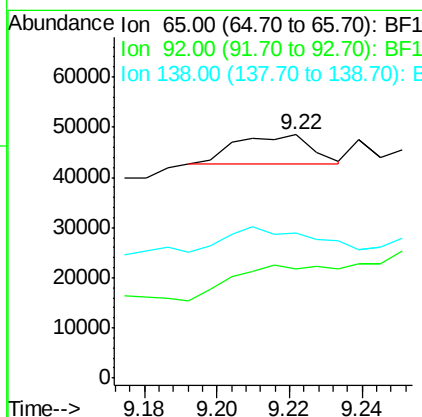
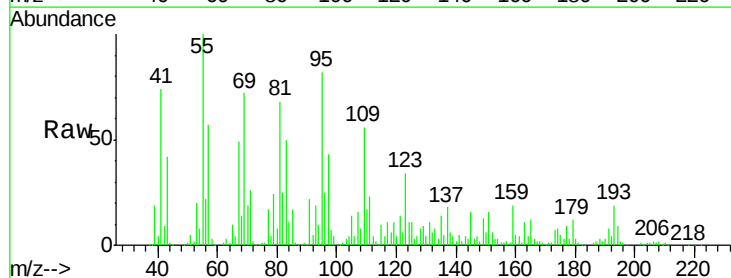
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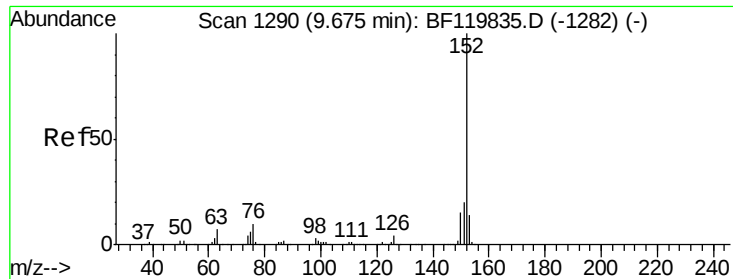
Tot Ion:154 Resp: 15855
 Ion Ratio Lower Upper
 154 100
 153 107.8 21.4 61.4#
 76 57.1 0.0 33.0#



#48
 2-Nitroaniline
 Concen: 29.658 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

Tgt Ion: 65 Resp: 8567
 Ion Ratio Lower Upper
 65 100
 92 45.0 50.0 75.0#
 138 59.7 75.0 112.4#





#49

Acenaphthylene

Concen: 13.987 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampled :

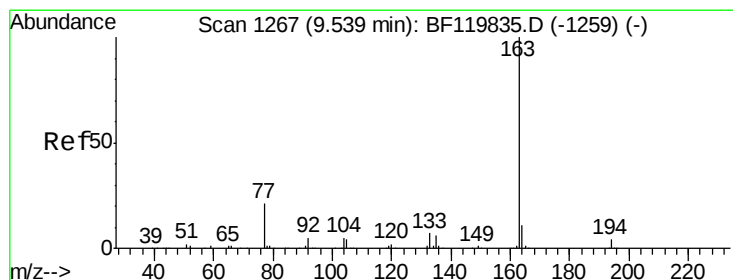
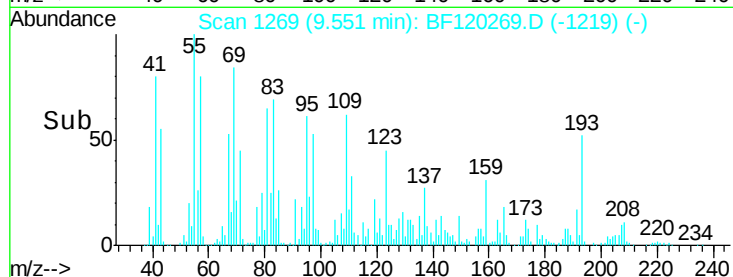
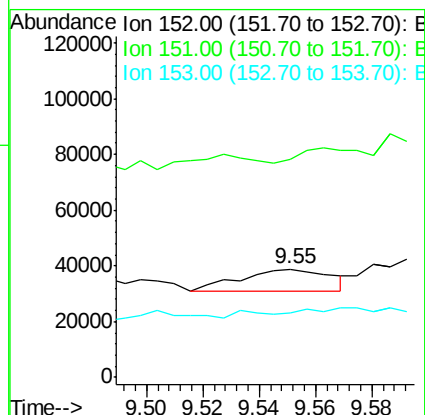
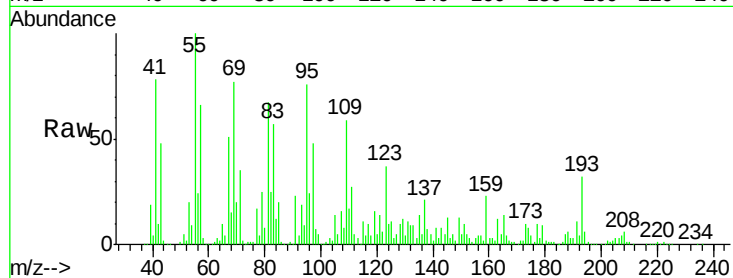
Tot Ion:152 Resp: 16956

Ion Ratio Lower Upper

152 100

151 201.7 17.2 25.8#

153 59.4 11.2 16.8#



#50

Dimethylphthalate

Concen: 110.967 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.08 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

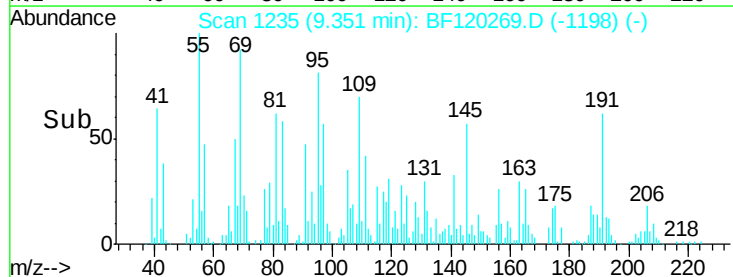
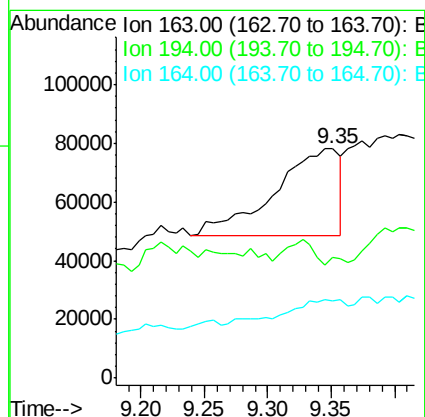
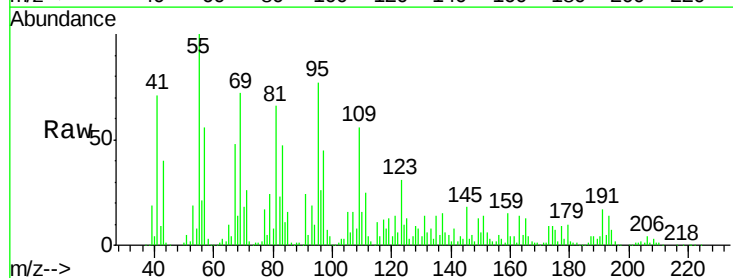
Tgt Ion:163 Resp: 105221

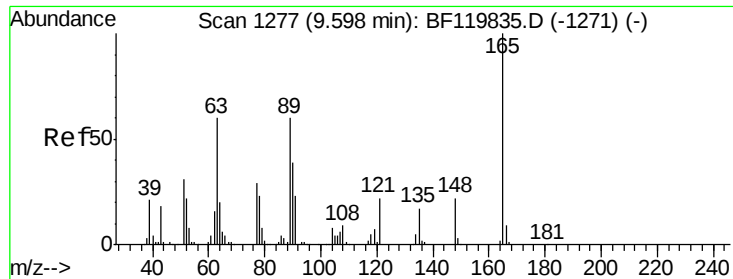
Ion Ratio Lower Upper

163 100

194 52.9 3.1 4.7#

164 33.9 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 969.859 ng

RT: 9.55 min Scan# 1269

Delta R.T. 0.06 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampled :

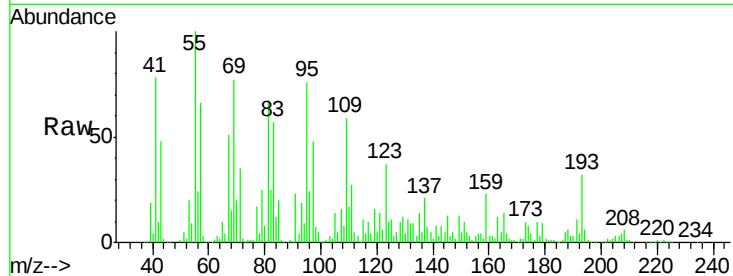
Tot Ion:165 Resp: 201385

Ion Ratio Lower Upper

165 100

63 19.8 45.0 67.4#

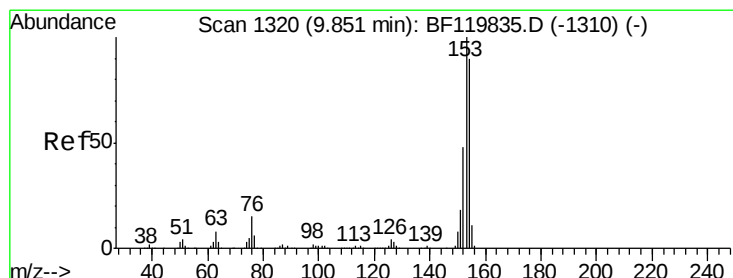
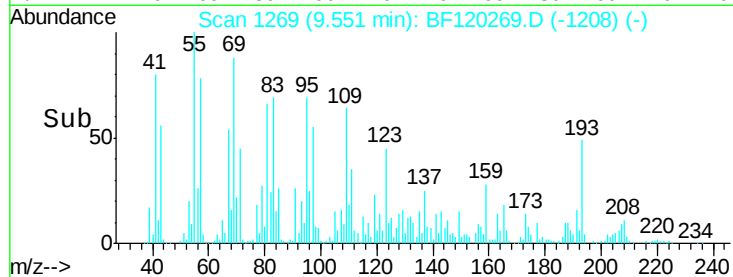
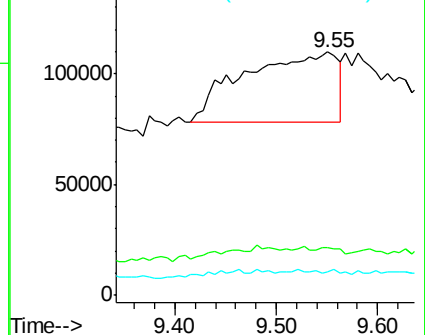
89 9.9 41.5 62.3#



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: 2.272 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

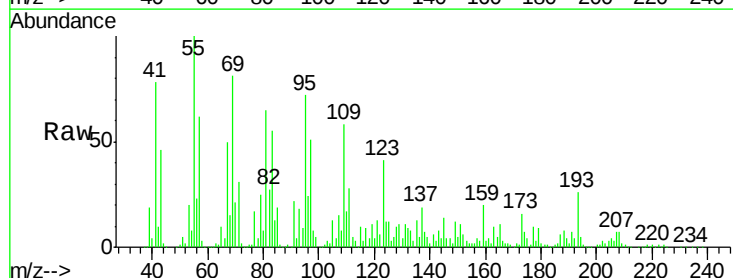
Tgt Ion:154 Resp: 1837

Ion Ratio Lower Upper

154 100

153 203.4 88.1 132.1#

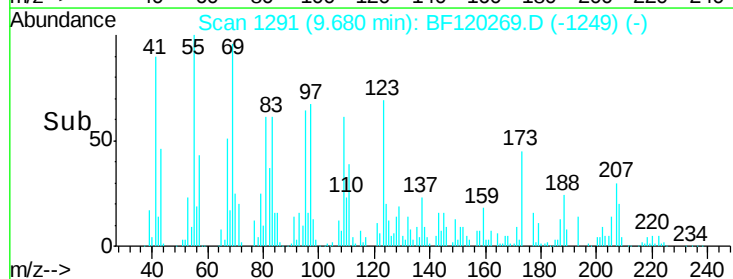
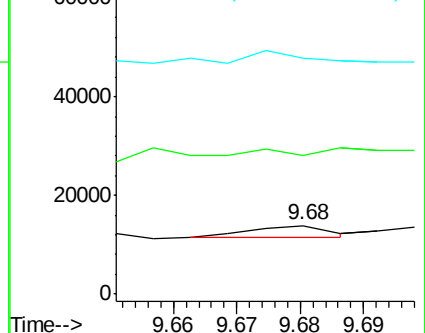
152 344.9 43.0 64.4#

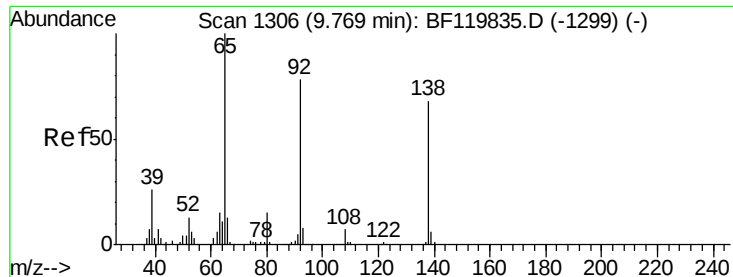


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

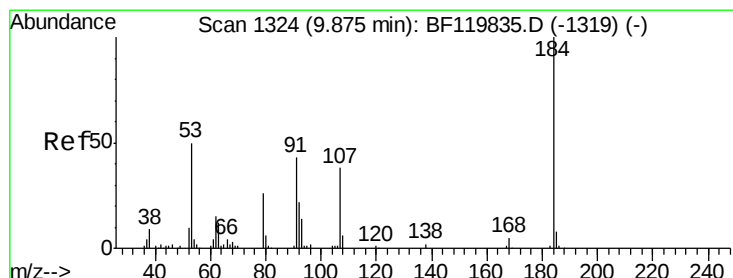
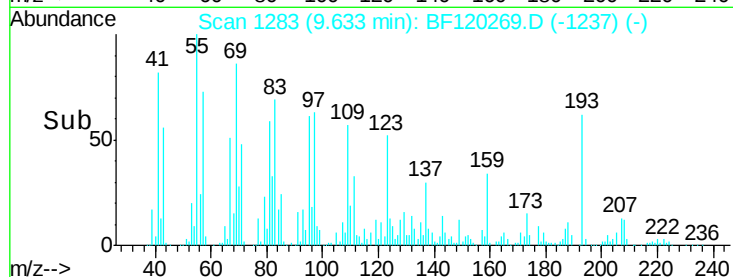
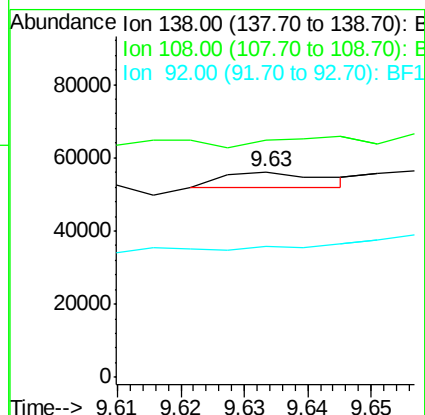
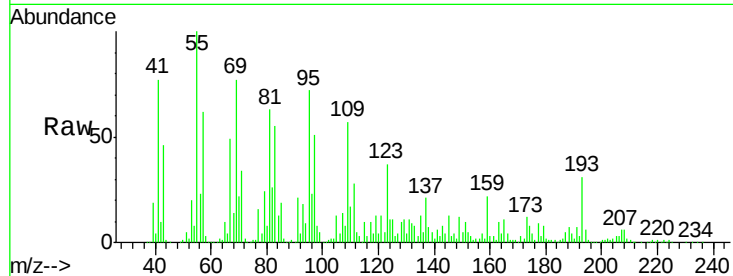




#53
3-Nitroaniline
Concen: 20.683 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.03 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

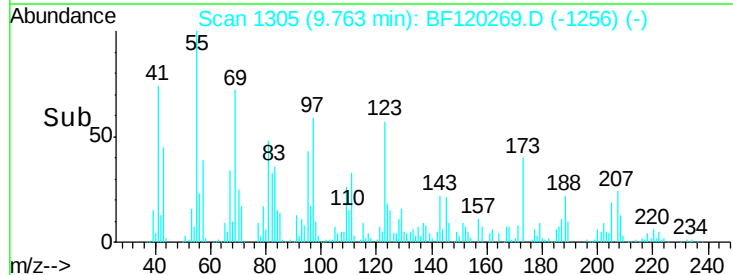
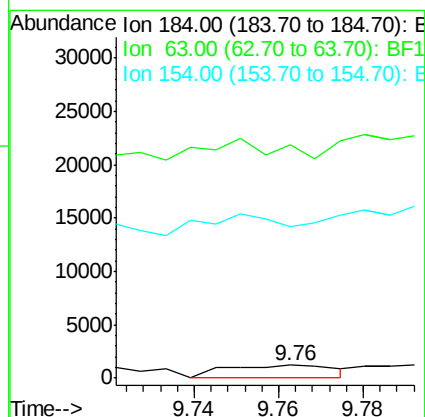
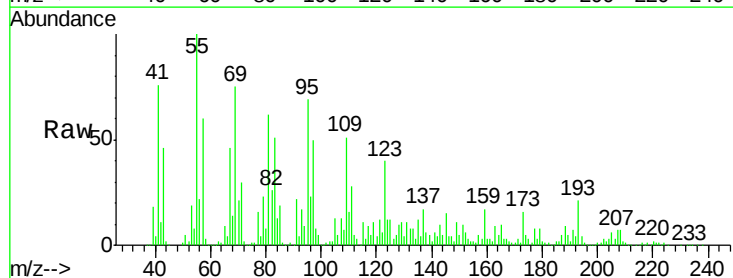
Instrument :
BNA_F
ClientSampled :

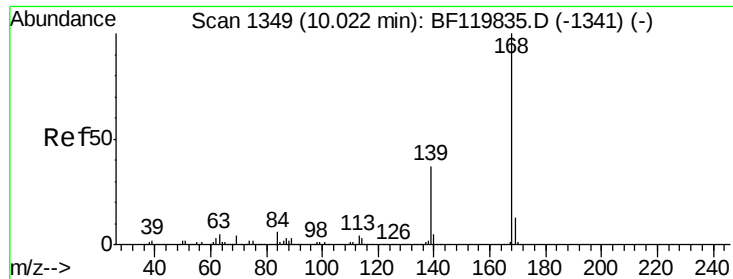
Tot Ion:138 Resp: 4905
Ion Ratio Lower Upper
138 100
108 115.7 8.6 13.0#
92 64.0 95.4 143.0#



#54
2,4-Dinitrophenol
Concen: 17.190 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:184 Resp: 2137
Ion Ratio Lower Upper
184 100
63 1844.4 50.2 75.4#
154 1196.1 44.5 66.7#





#55

Dibenzofuran

Concen: 8.266 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.17 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

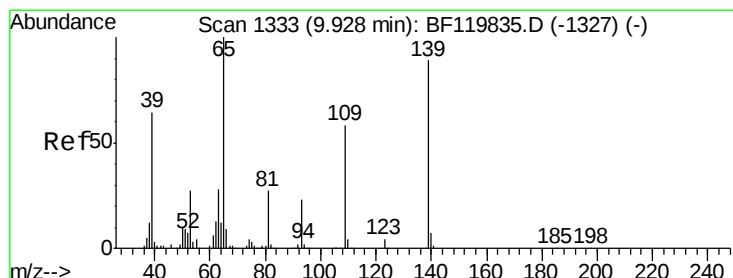
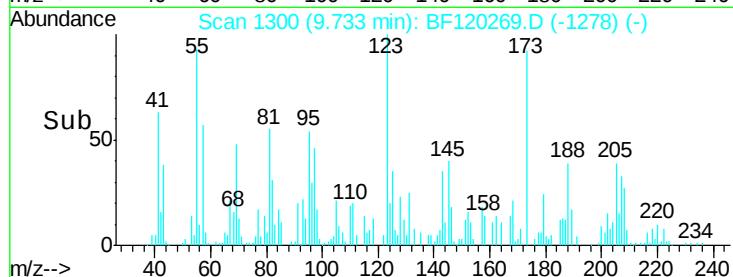
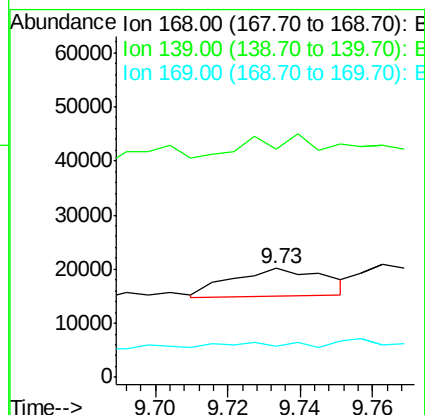
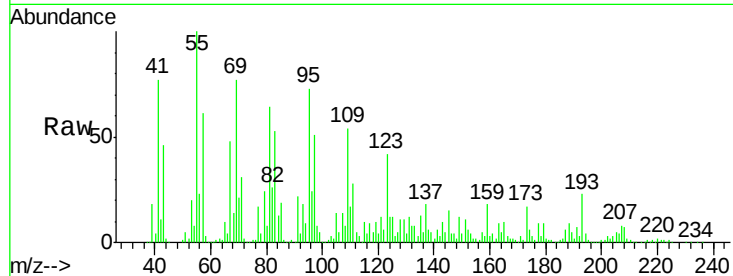
Tot Ion:168 Resp: 9172

Ion Ratio Lower Upper

168 100

139 210.4 30.1 45.1#

169 29.2 11.0 16.6#



#56

4-Nitrophenol

Concen: 21.728 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.05 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

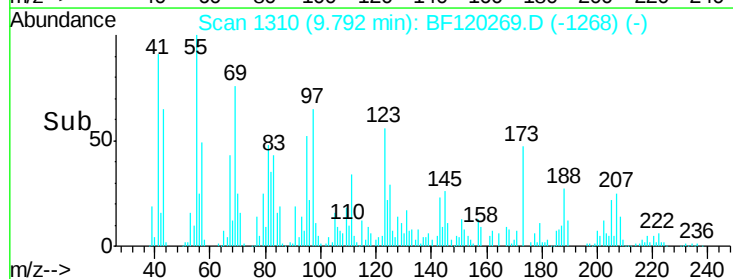
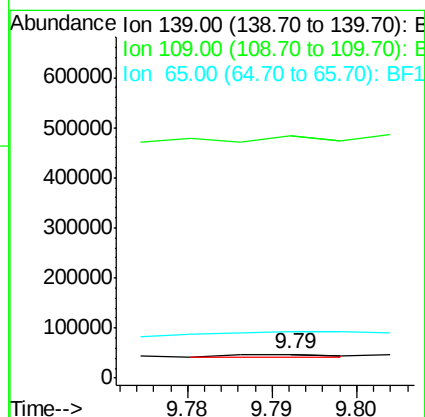
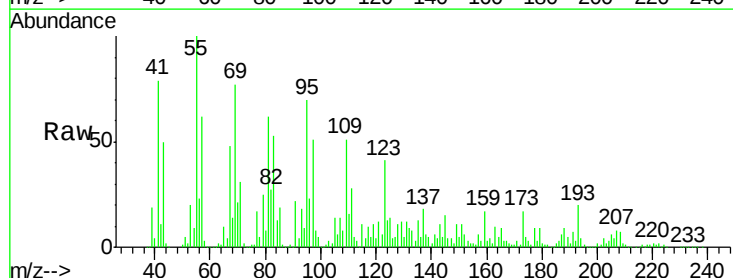
Tgt Ion:139 Resp: 3834

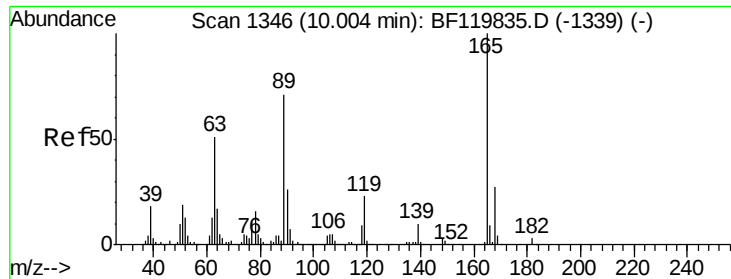
Ion Ratio Lower Upper

139 100

109 1025.9 43.3 83.3#

65 195.6 91.0 131.0#

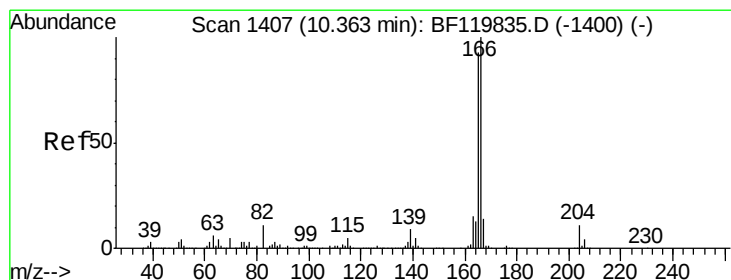
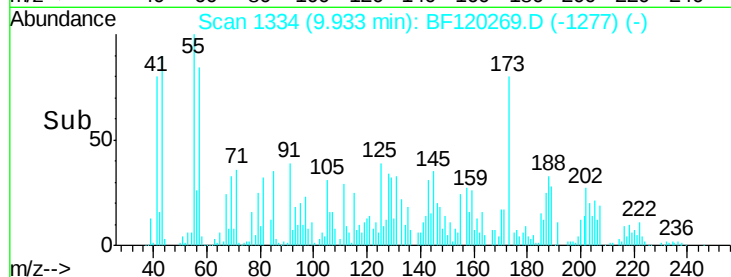
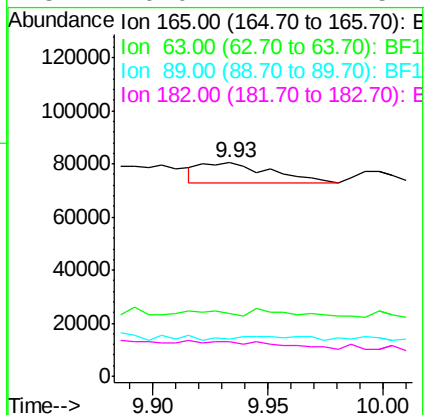
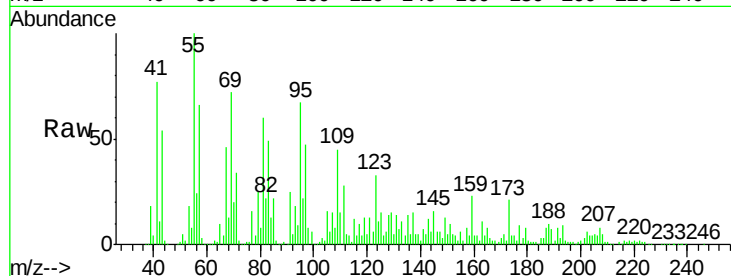




#57
2,4-Dinitrotoluene
Concen: 59.589 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.04 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

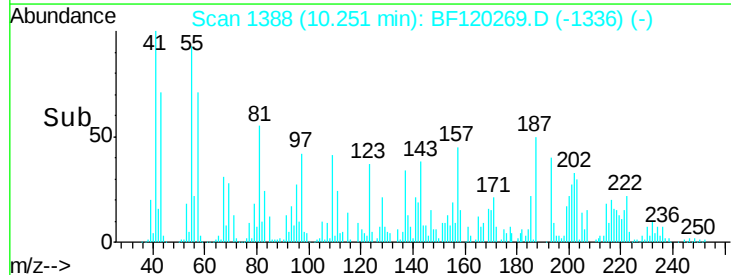
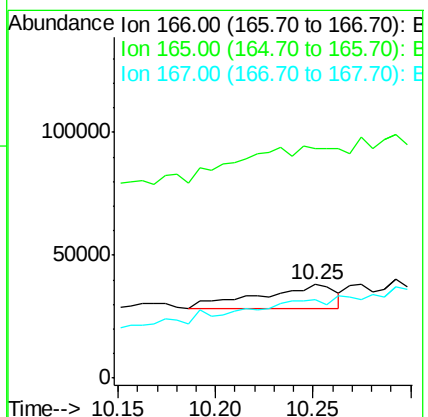
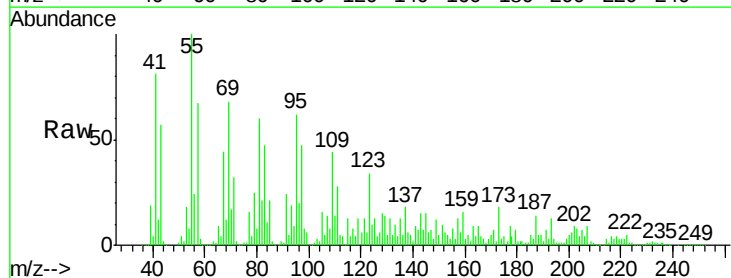
Instrument :
BNA_F
ClientSampleId :

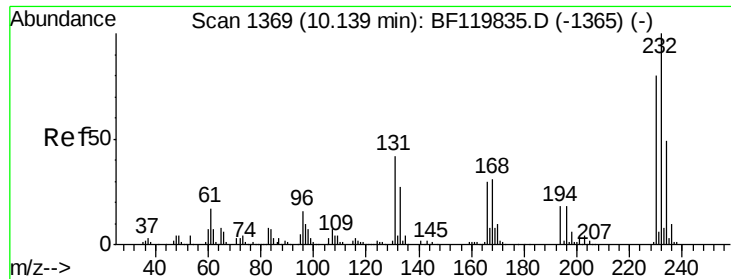
Tot Ion:165 Resp: 16302
Ion Ratio Lower Upper
165 100
63 29.3 42.6 64.0#
89 17.5 61.0 91.4#
182 16.0 2.2 3.2#



#58
Fluorene
Concen: 28.452 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:166 Resp: 25250
Ion Ratio Lower Upper
166 100
165 245.3 75.4 113.2#
167 84.2 11.2 16.8#

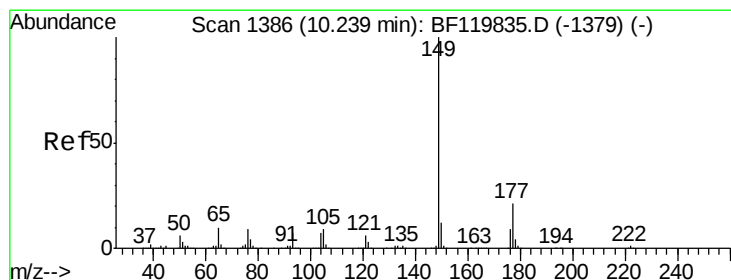
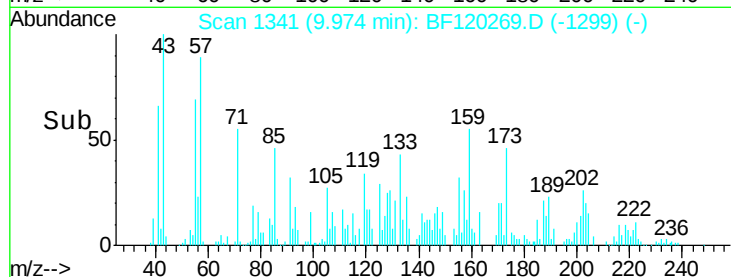
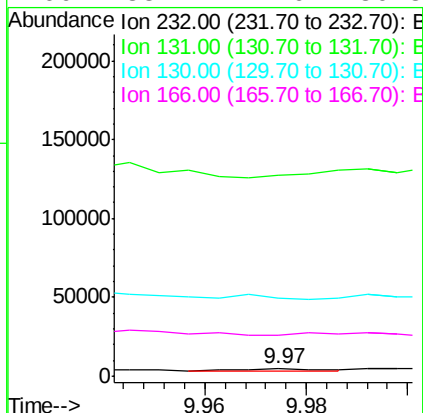
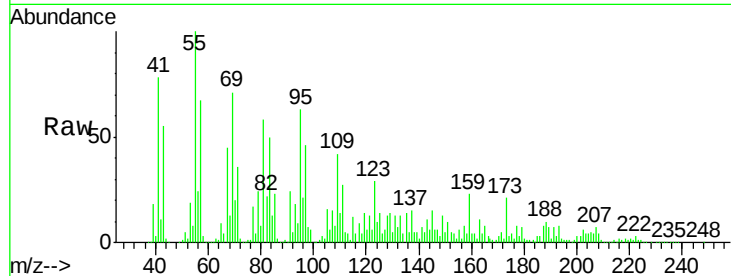




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.792 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.05 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

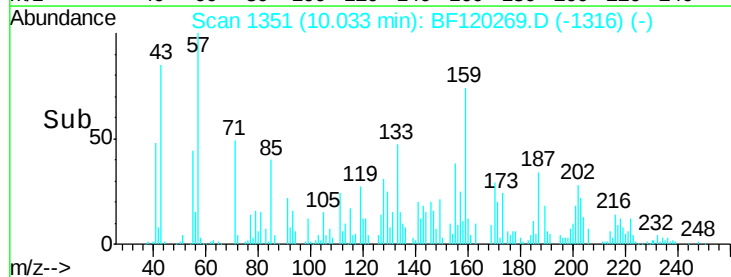
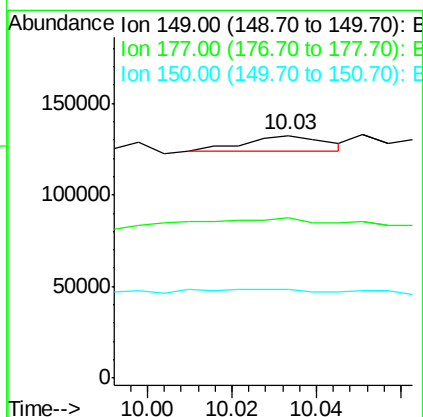
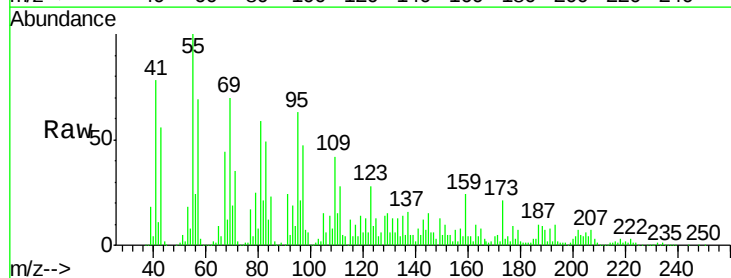
Instrument :
BNA_F
ClientSampled :

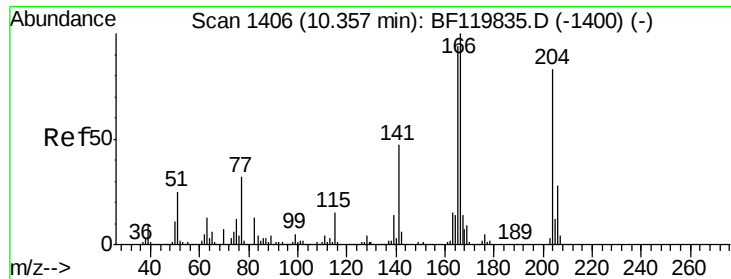
Tot Ion:232 Resp: 1334
Ion Ratio Lower Upper
232 100
131 0.0 37.5 56.3#
130 0.0 1.8 2.6#
166 238.2 24.6 36.8#



#60
Diethylphthalate
Concen: 11.905 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.09 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:149 Resp: 11700
Ion Ratio Lower Upper
149 100
177 66.2 17.0 25.6#
150 36.7 10.1 15.1#

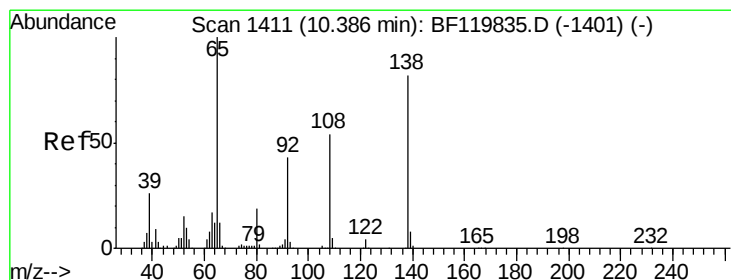
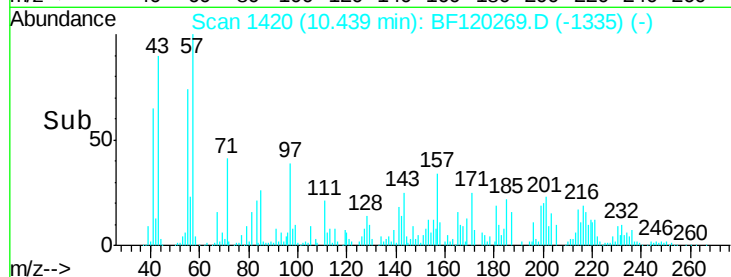
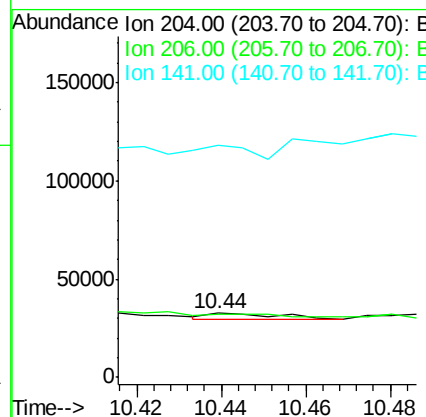
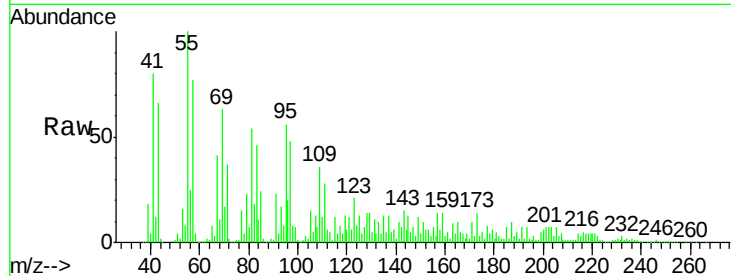




#61
4-Chlorophenyl-phenylether
Concen: 6.804 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.20 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

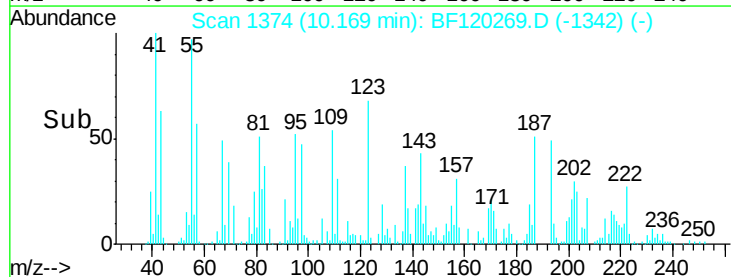
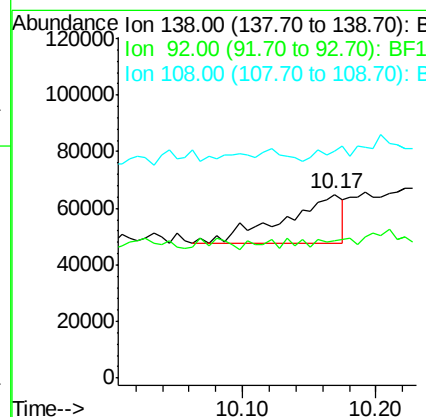
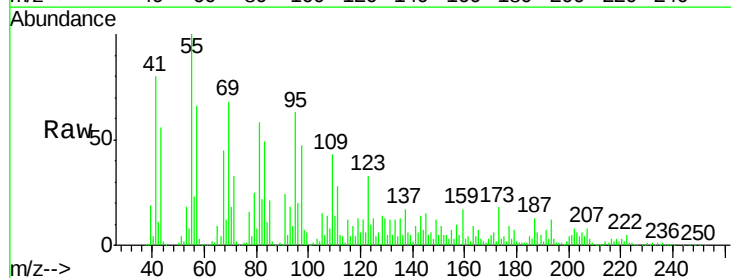
Instrument :
BNA_F
ClientSampleId :

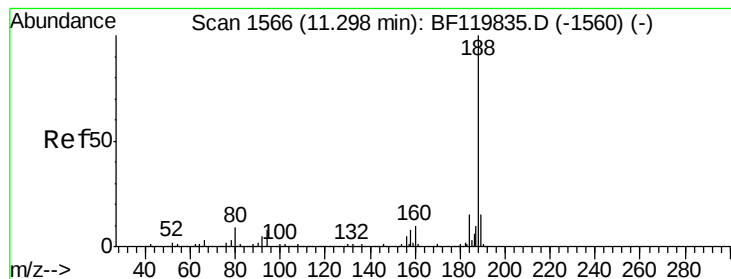
Tot Ion:204 Resp: 3095
Ion Ratio Lower Upper
204 100
206 99.3 26.7 40.1#
141 362.6 47.3 70.9#



#62
4-Nitroaniline
Concen: 232.730 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.11 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:138 Resp: 52598
Ion Ratio Lower Upper
138 100
92 74.8 31.5 71.5#
108 123.6 45.8 85.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

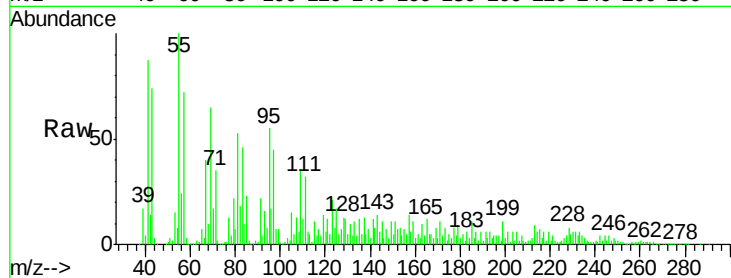
Tot Ion:188 Resp: 2879

Ion Ratio Lower Upper

188 100

94 430.7 7.5 11.3#

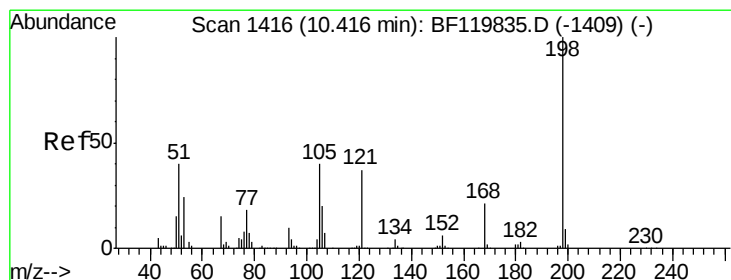
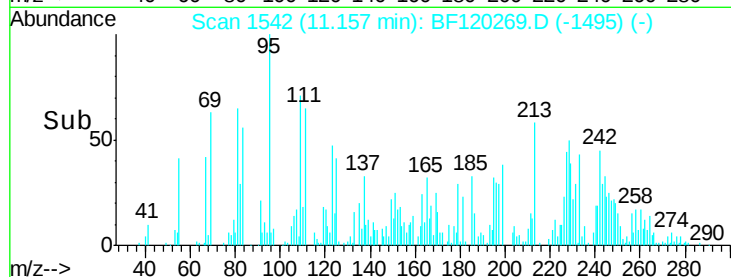
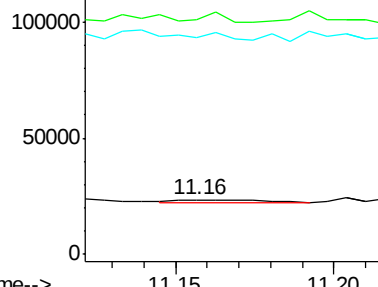
80 398.0 9.0 13.4#



Abundance Ion 188.00 (187.70 to 188.70): E

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: 114.303 ng

RT: 10.23 min Scan# 1384

Delta R.T. -0.08 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

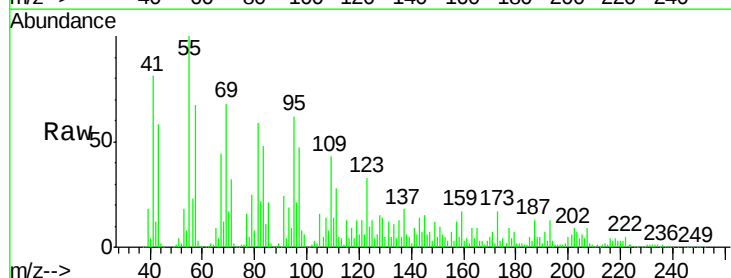
Tgt Ion:198 Resp: 2168

Ion Ratio Lower Upper

198 100

51 823.7 29.0 69.0#

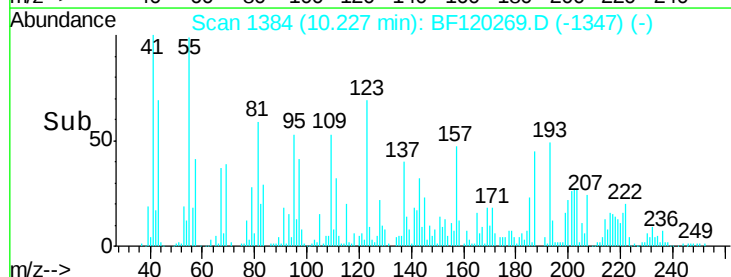
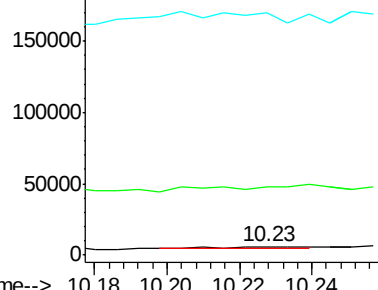
105 2942.4 22.2 62.2#

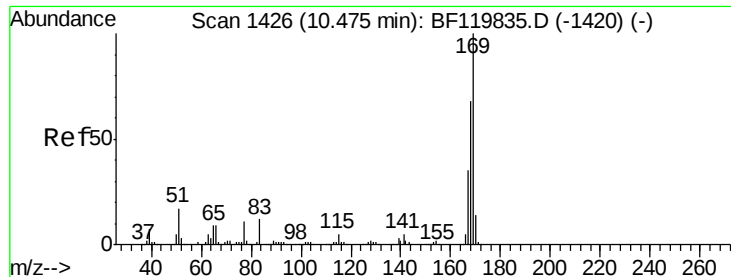


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 81.078 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.05 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

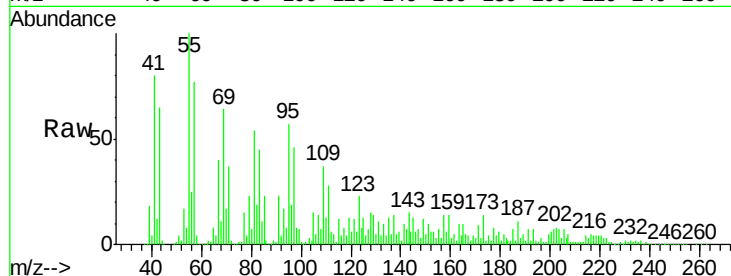
Tot Ion:169 Resp: 7763

Ion Ratio Lower Upper

169 100

168 44.0 53.2 79.8#

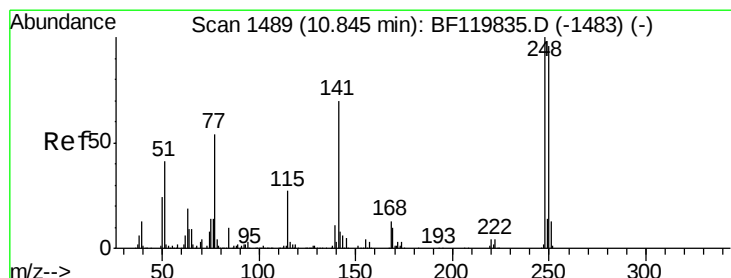
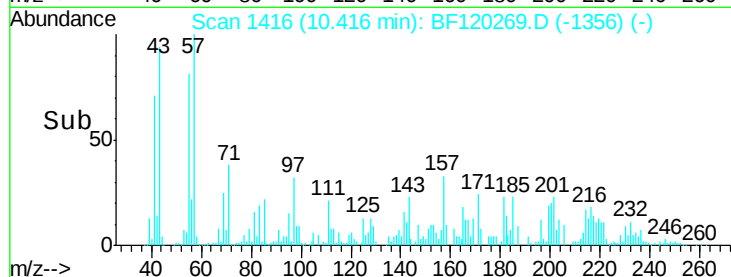
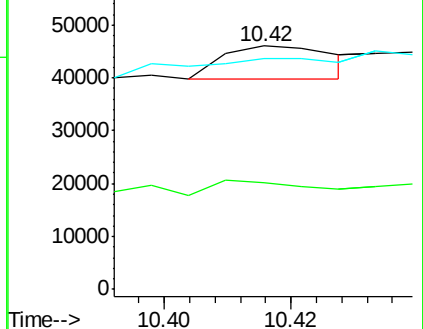
167 95.0 29.1 43.7#



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: 61.698 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.12 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

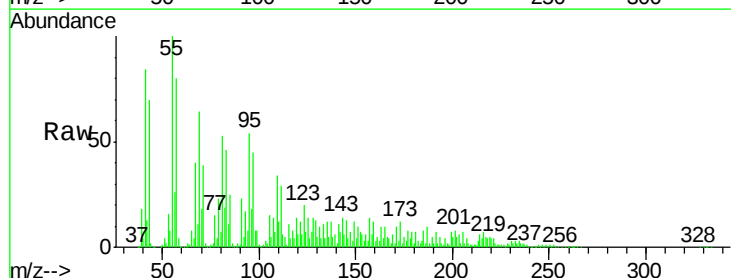
Tgt Ion:248 Resp: 2209

Ion Ratio Lower Upper

248 100

250 74.9 77.3 115.9#

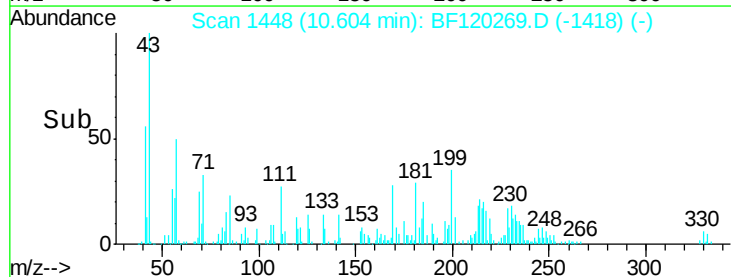
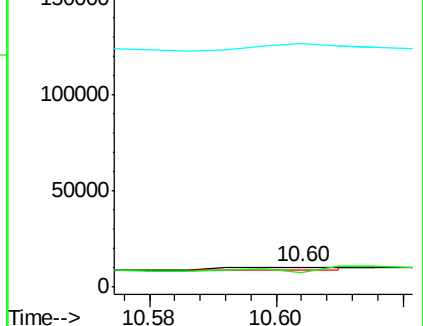
141 1212.5 58.6 87.8#

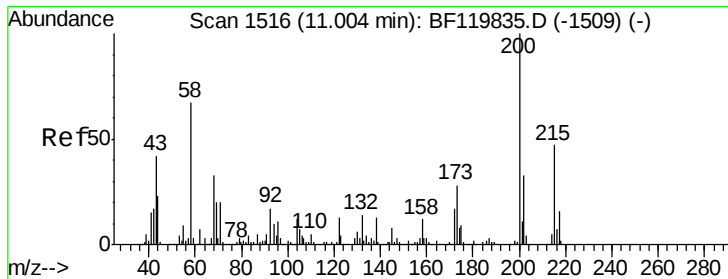


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: 78.642 ng

RT: 10.95 min Scan# 1506

Delta R.T. 0.05 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

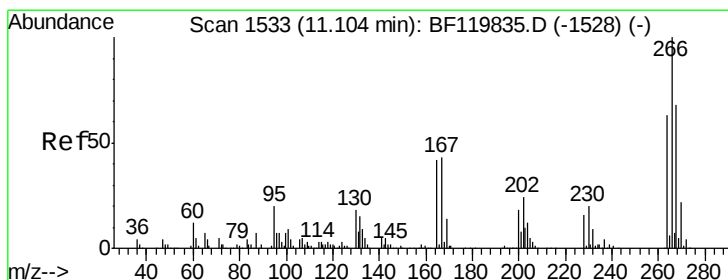
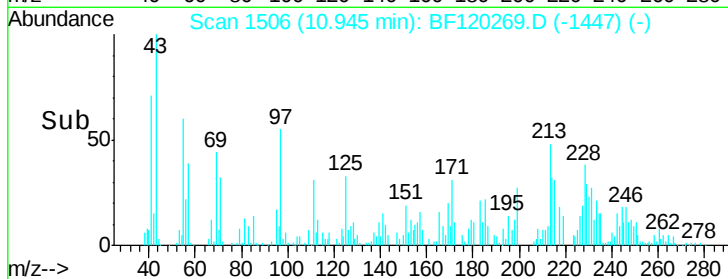
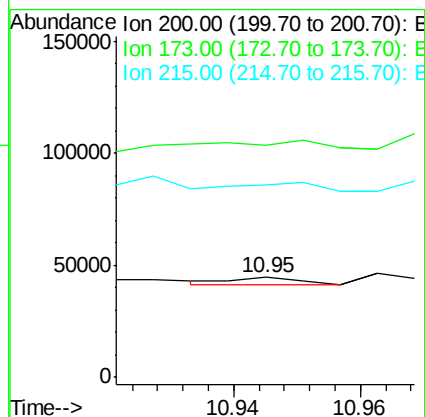
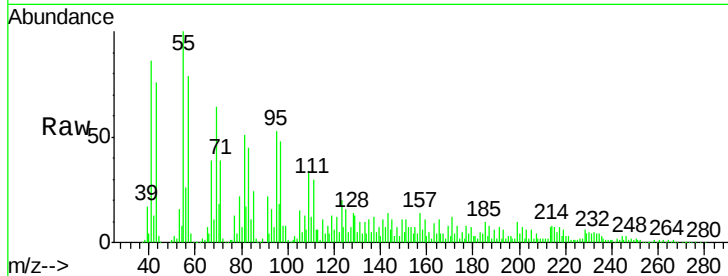
Tot Ion:200 Resp: 2095

Ion Ratio Lower Upper

200 100

173 232.3 9.3 49.3#

215 193.0 29.5 69.5#



#70

Pentachlorophenol

Concen: 896.469 ng

RT: 10.89 min Scan# 1497

Delta R.T. -0.10 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

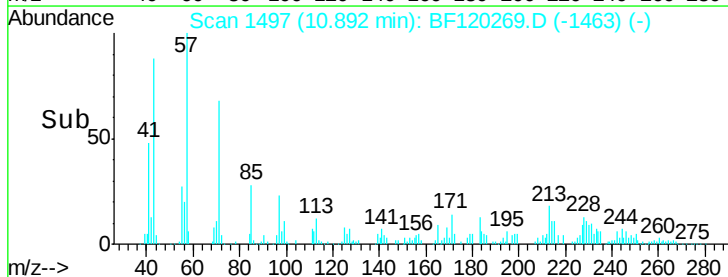
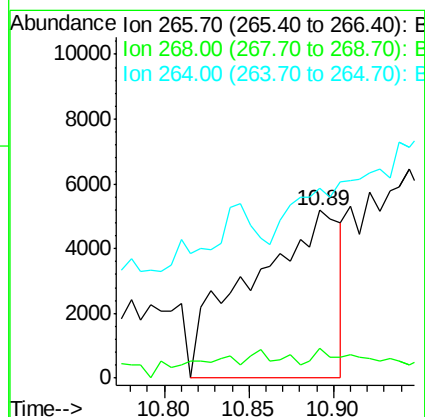
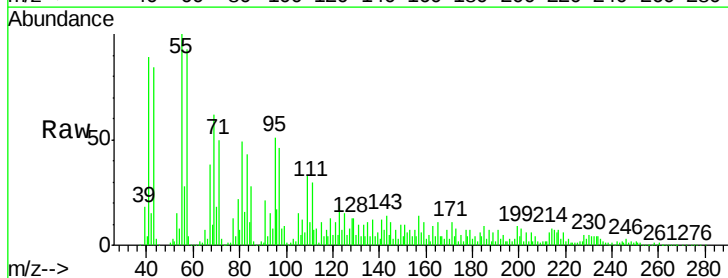
Tgt Ion:266 Resp: 18764

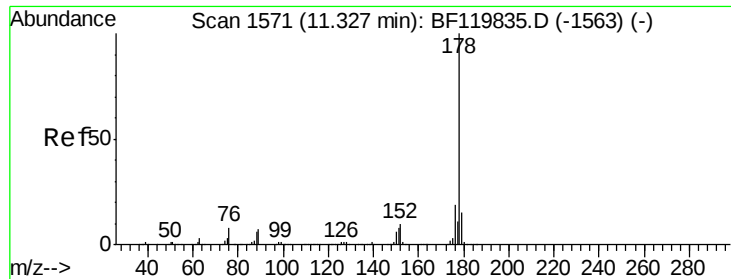
Ion Ratio Lower Upper

266 100

268 18.1 53.3 79.9#

264 113.4 49.0 73.4#





#71

Phenanthrene

Concen: 41.984 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

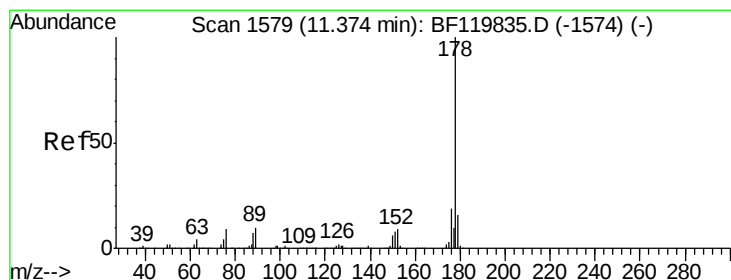
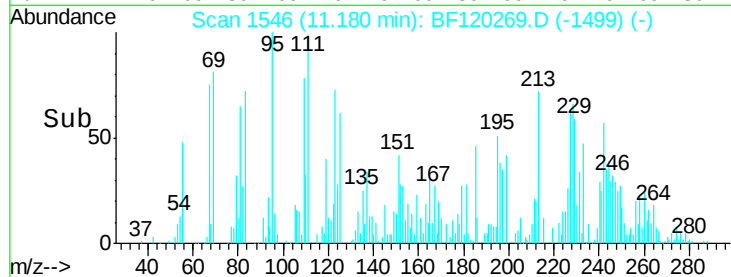
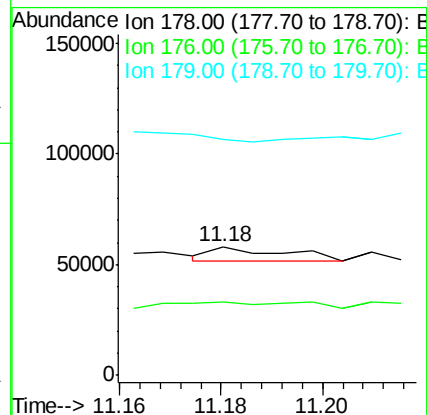
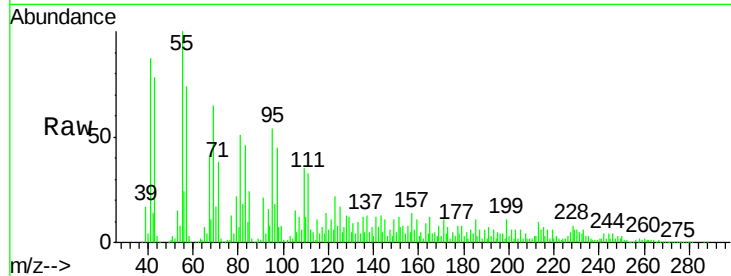
Tot Ion:178 Resp: 6433

Ion Ratio Lower Upper

178 100

176 57.0 16.2 24.4#

179 183.8 13.2 19.8#



#72

Anthracene

Concen: 58.156 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

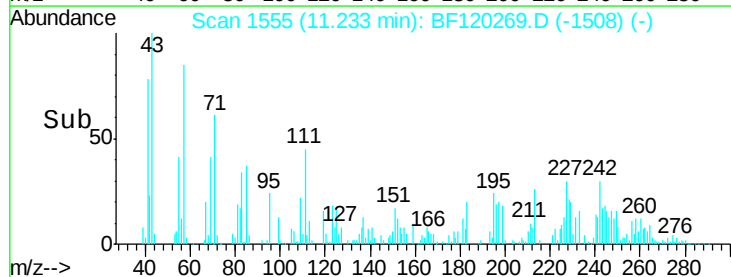
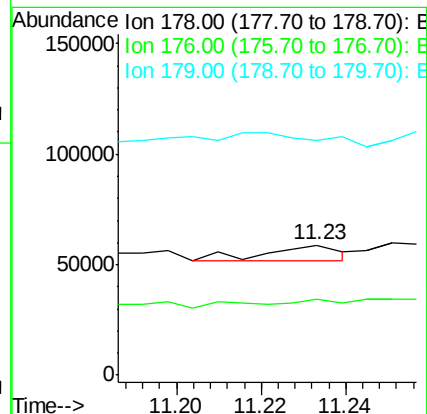
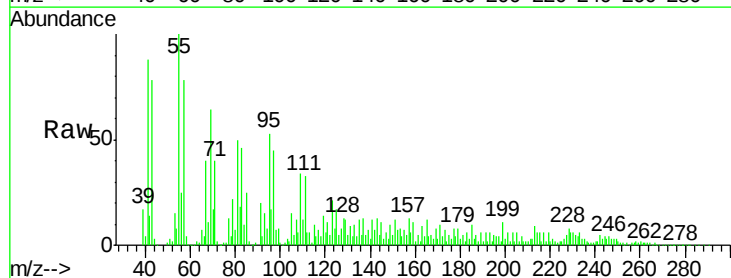
Tgt Ion:178 Resp: 9103

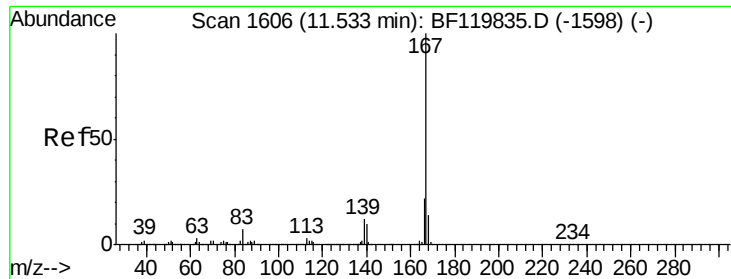
Ion Ratio Lower Upper

178 100

176 58.9 16.1 24.1#

179 180.4 13.0 19.4#





#73

Carbazole

Concen: 96.269 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampled :

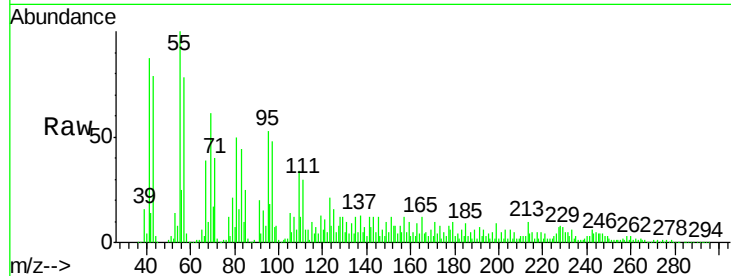
Tot Ion:167 Resp: 14250

Ion Ratio Lower Upper

167 100

166 85.4 18.2 27.4#

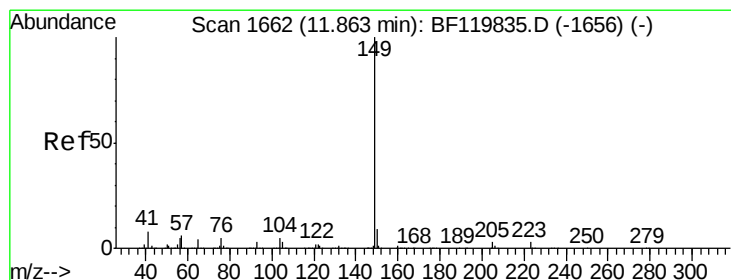
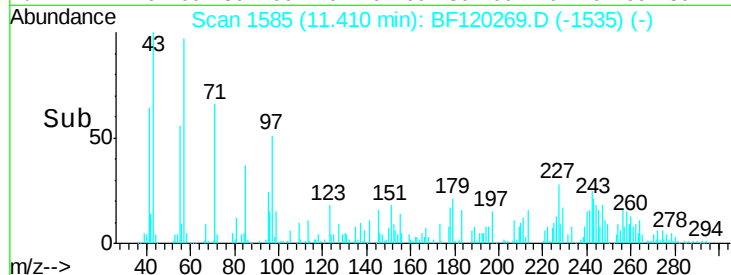
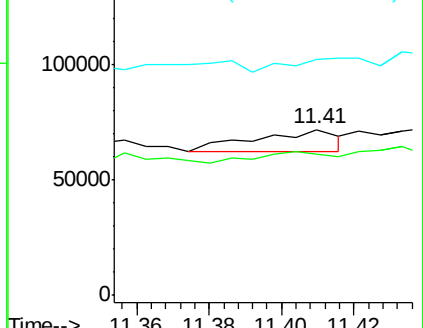
139 142.6 10.7 16.1#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 13.577 ng

RT: 11.73 min Scan# 1639

Delta R.T. -0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

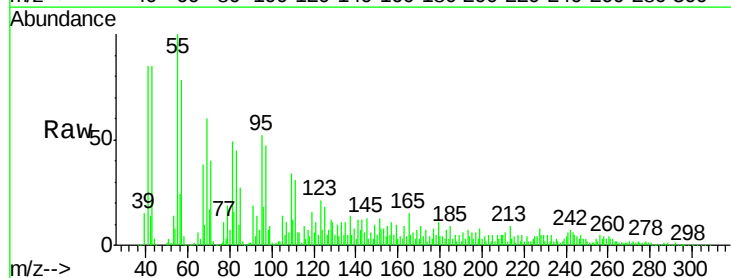
Tgt Ion:149 Resp: 2642

Ion Ratio Lower Upper

149 100

150 46.2 7.8 11.8#

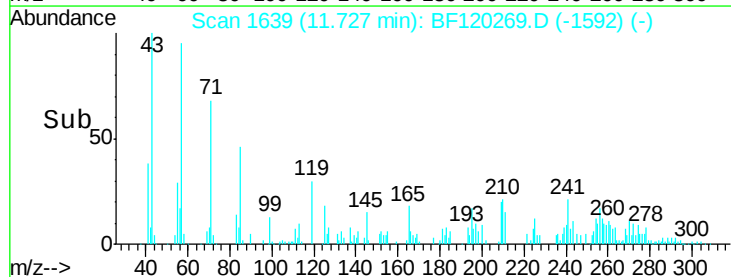
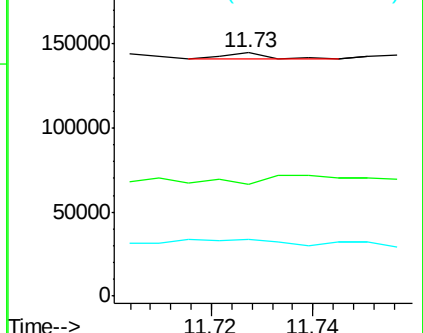
104 23.3 3.6 5.4#

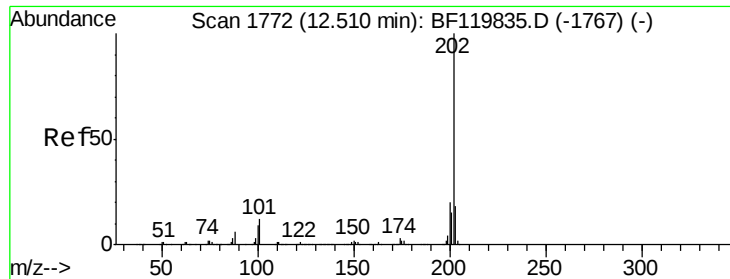


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 41.524 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.03 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

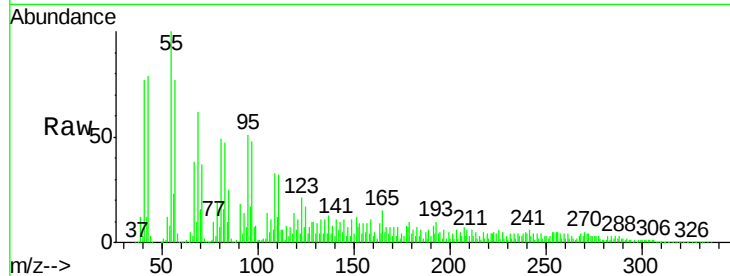
Tot Ion:202 Resp: 6865

Ion Ratio Lower Upper

202 100

101 23.5 0.0 32.2

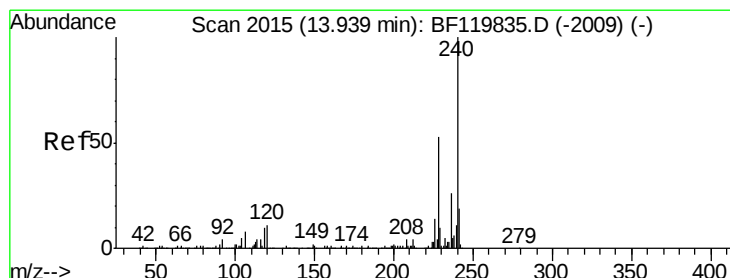
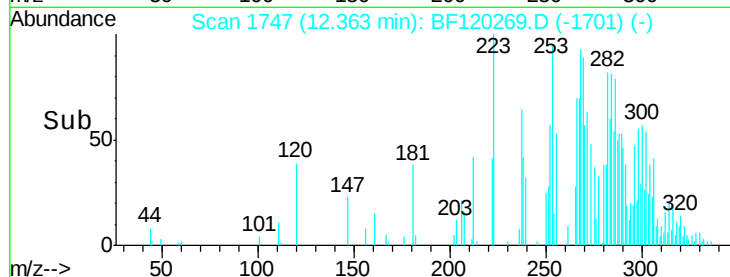
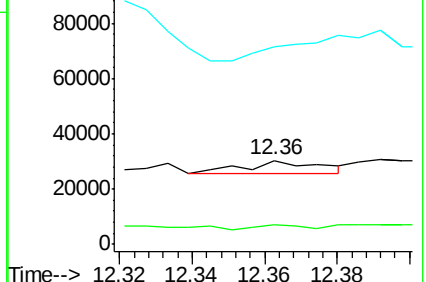
203 235.5 0.0 38.8#



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: 13.84 min Scan# 1999

Delta R.T. 0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

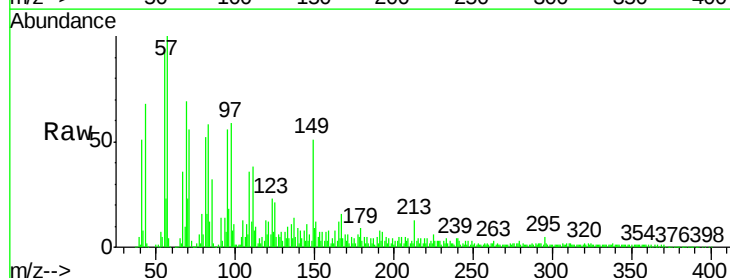
Tgt Ion:240 Resp: 24753

Ion Ratio Lower Upper

240 100

120 140.0 10.6 15.8#

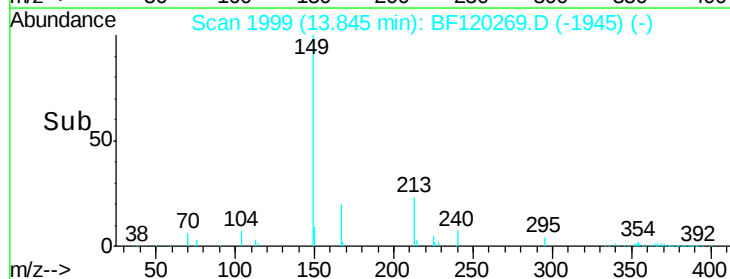
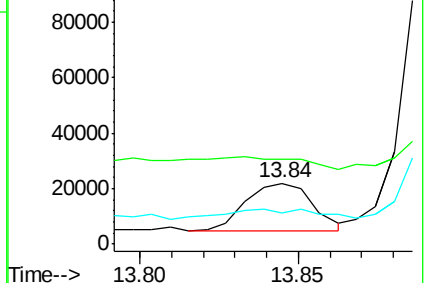
236 52.0 20.2 30.2#

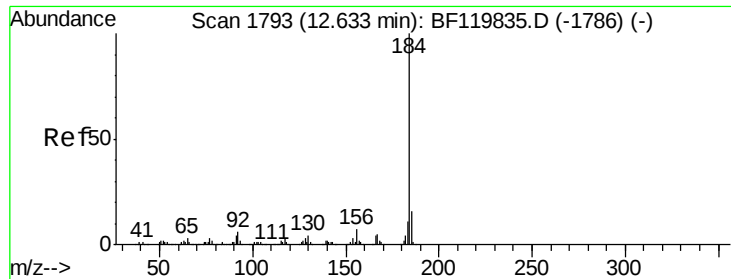


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.481 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.06 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

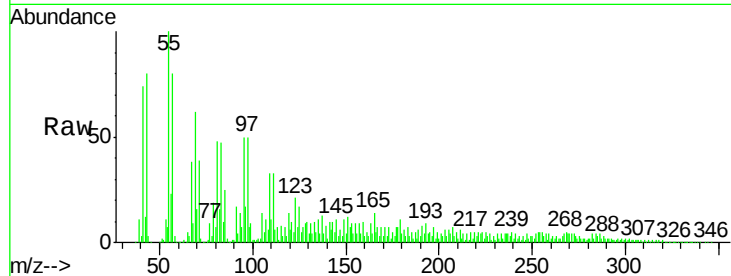
Tot Ion:184 Resp: 3749

Ion Ratio Lower Upper

184 100

185 196.1 12.3 18.5#

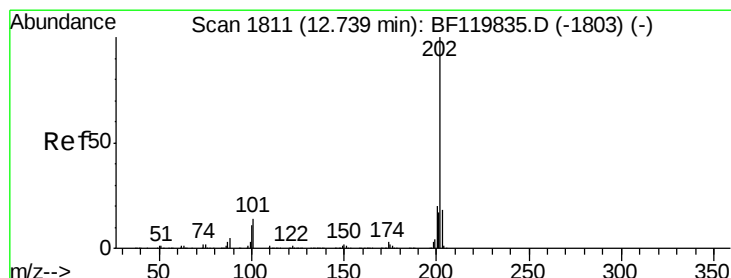
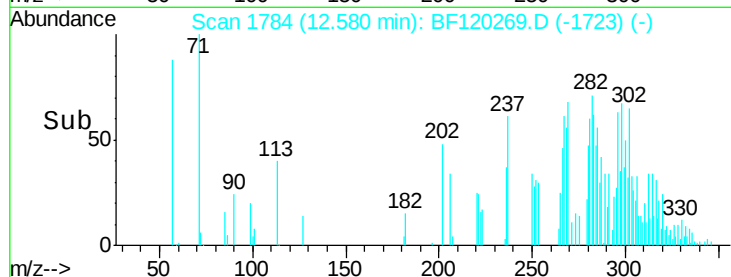
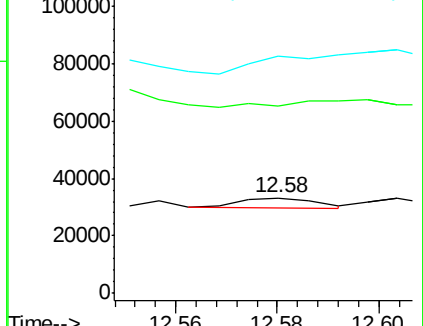
183 249.2 9.0 13.6#



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: 95.813 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

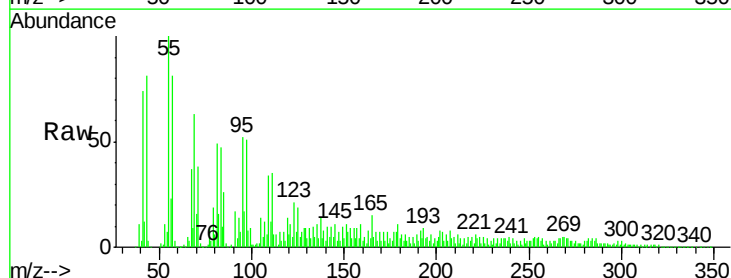
Tgt Ion:202 Resp: 199935

Ion Ratio Lower Upper

202 100

200 31.9 16.8 25.2#

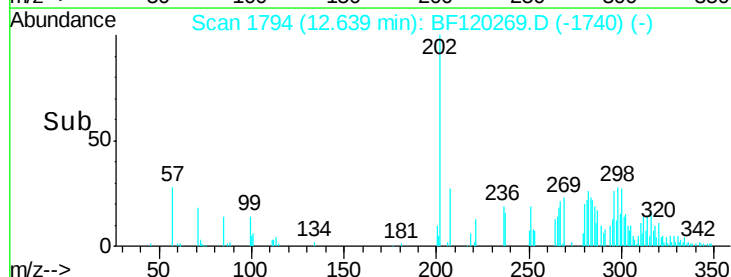
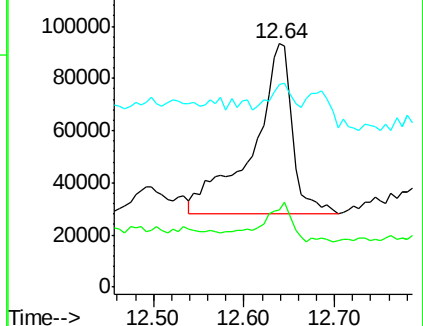
203 83.2 15.1 22.7#

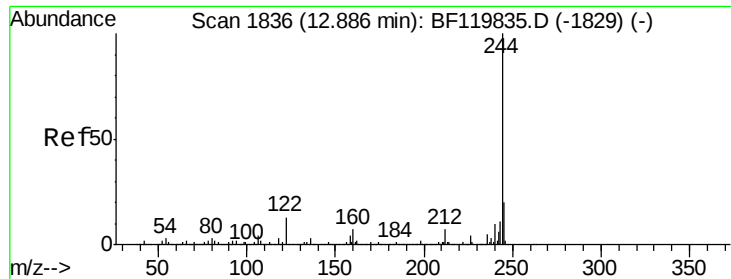


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 231.311 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.17 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampled :

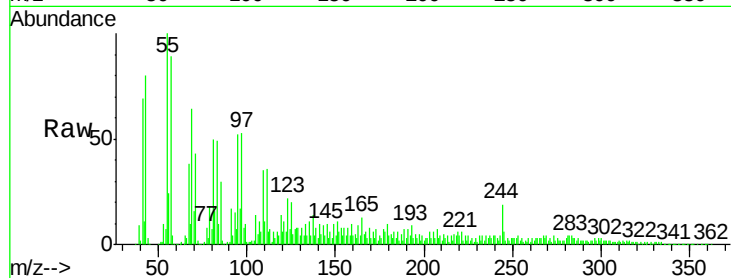
Tot Ion:244 Resp: 340274

Ion Ratio Lower Upper

244 100

212 13.4 5.8 8.8#

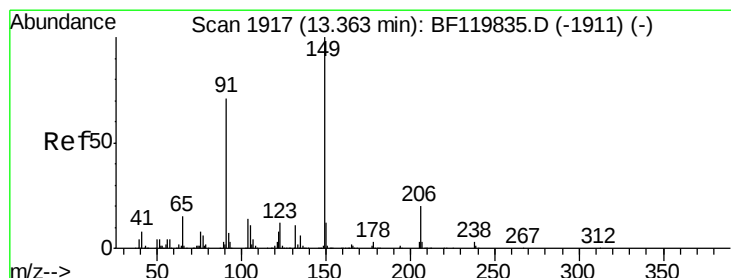
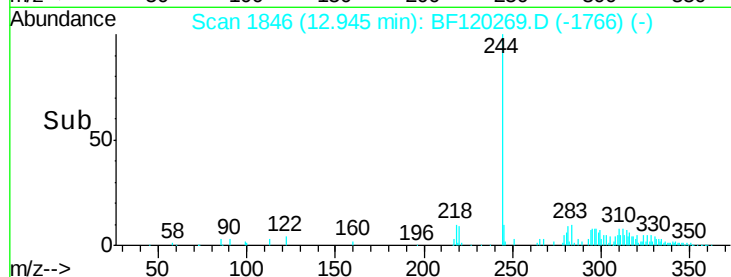
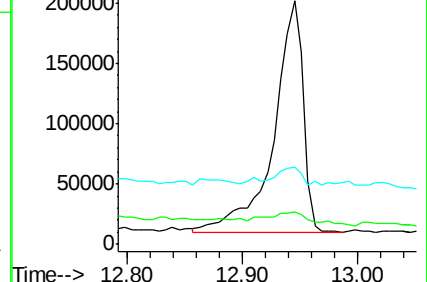
122 31.9 10.3 15.5#



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: 30.633 ng

RT: 13.33 min Scan# 1912

Delta R.T. 0.08 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

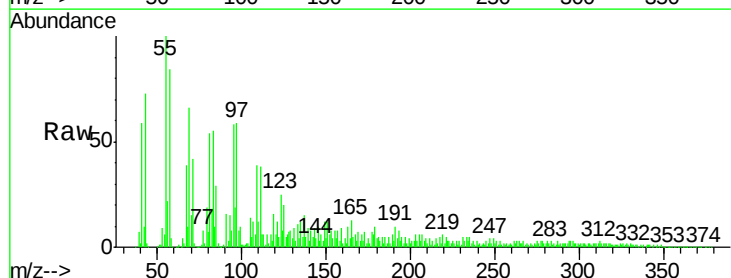
Tgt Ion:149 Resp: 31018

Ion Ratio Lower Upper

149 100

91 132.9 54.7 82.1#

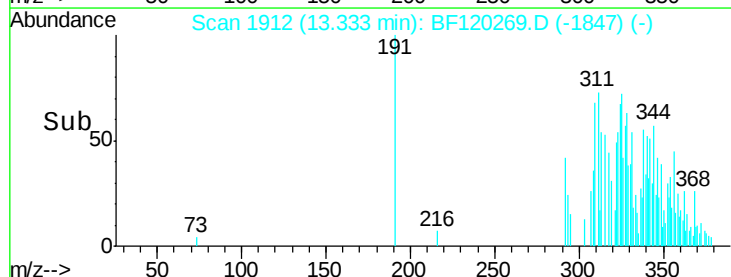
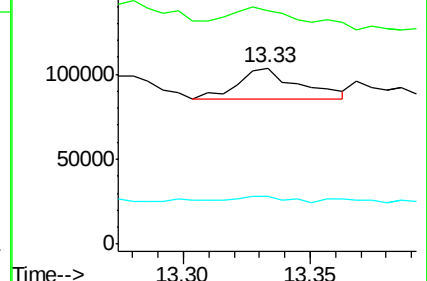
206 27.5 16.2 24.2#

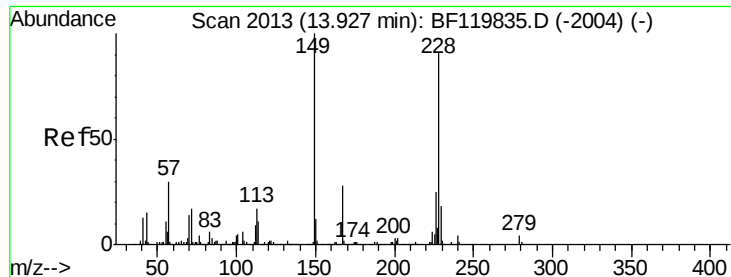


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

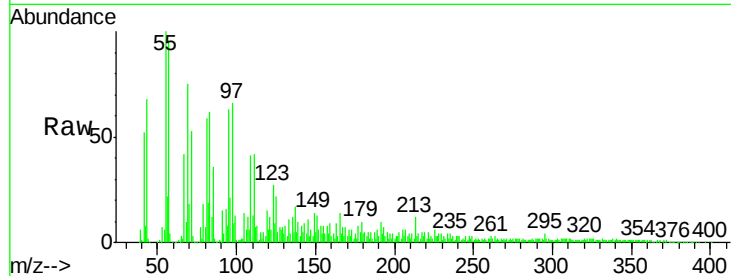




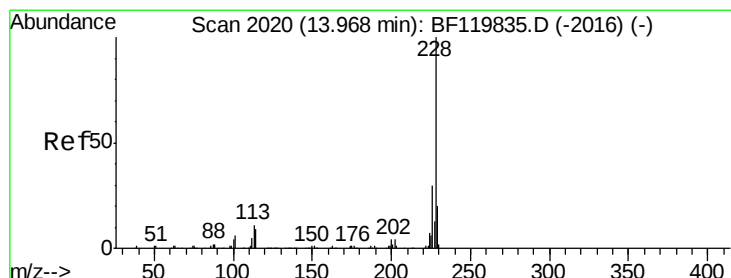
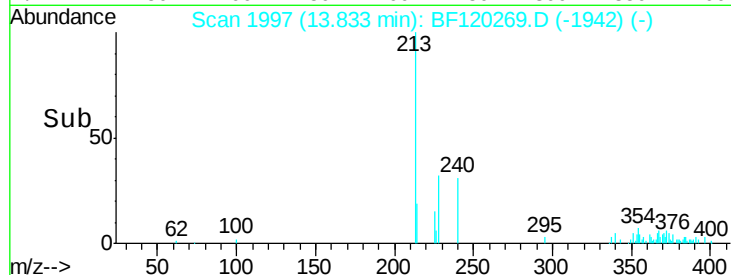
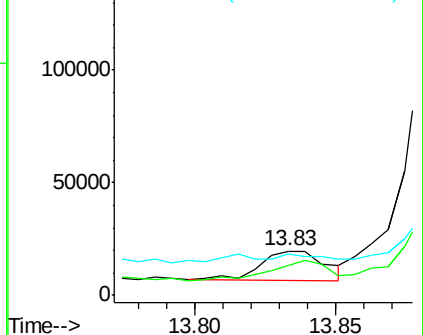
#81
Benzo(a)anthracene
Concen: 12.369 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.02 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 20142
Ion Ratio Lower Upper
228 100
226 66.1 21.8 32.8#
229 92.7 16.2 24.4#

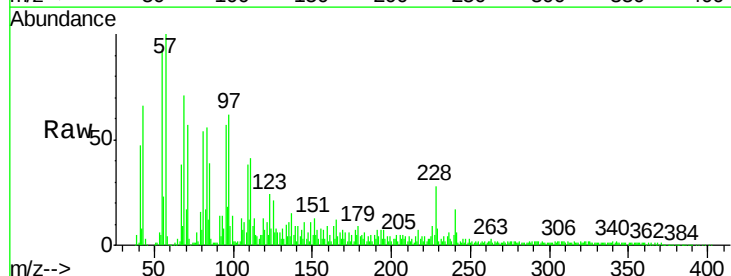


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

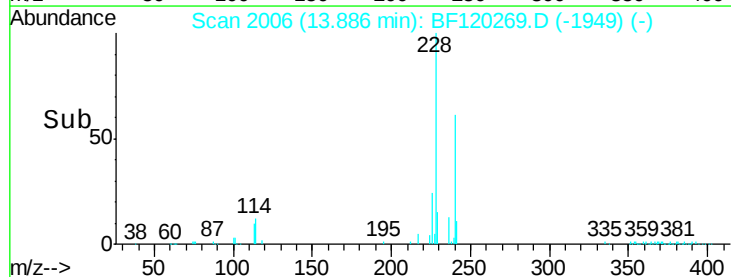
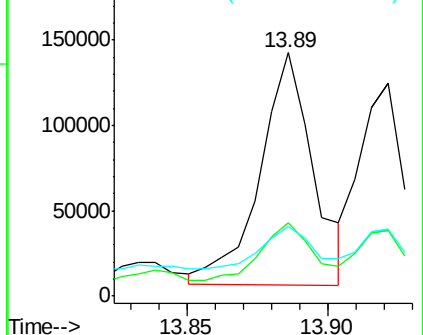


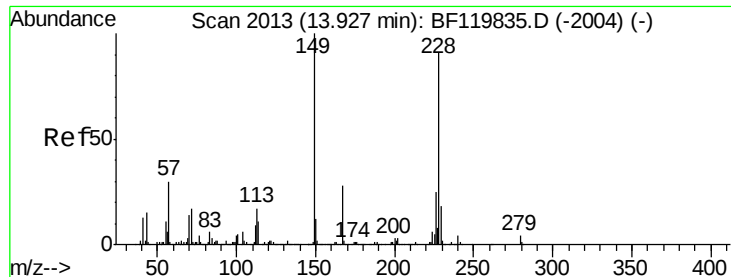
#83
Chrysene
Concen: 107.990 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.04 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:228 Resp: 178682
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.0
229 28.8 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 48.156 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

Instrument :

BNA_F

ClientSampleId :

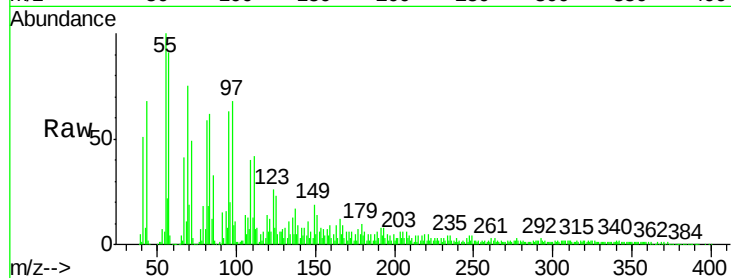
Tot Ion:149 Resp: 66032

Ion Ratio Lower Upper

149 100

167 44.8 21.3 31.9#

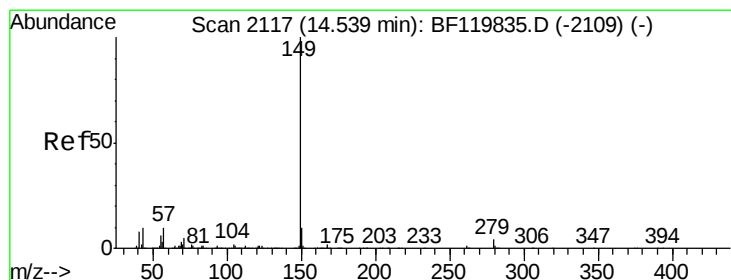
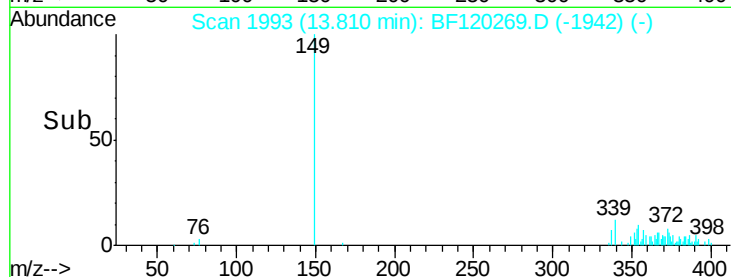
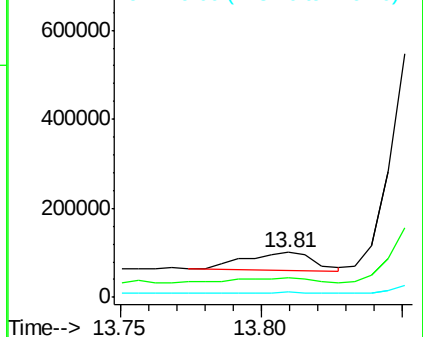
279 11.1 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 10.855 ng

RT: 14.44 min Scan# 2100

Delta R.T. 0.02 min

Lab File: BF120269.D

Acq: 1 May 2020 20:18

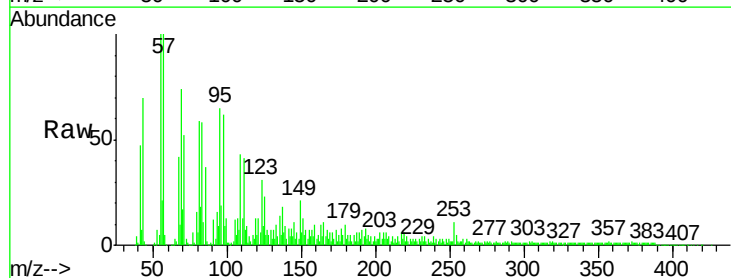
Tgt Ion:149 Resp: 25343

Ion Ratio Lower Upper

149 100

167 16.4 1.2 1.8#

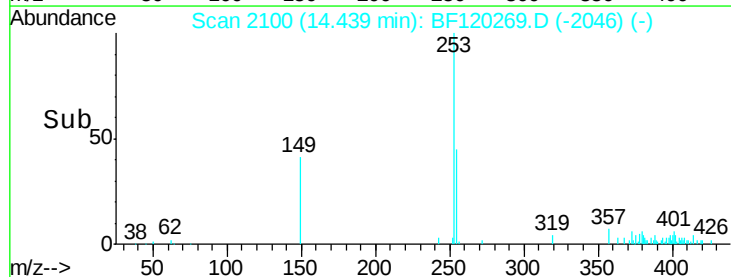
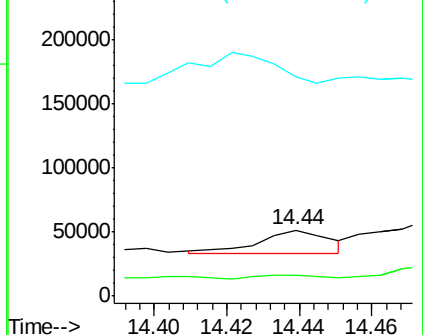
43 144.1 9.3 13.9#

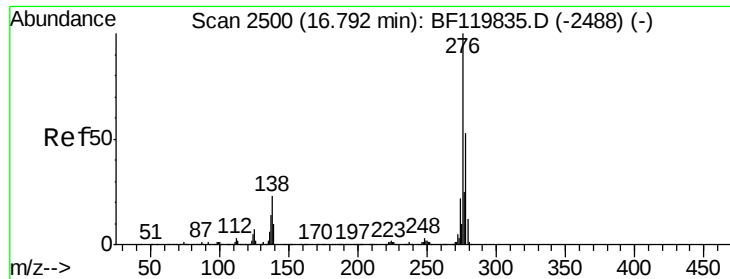


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

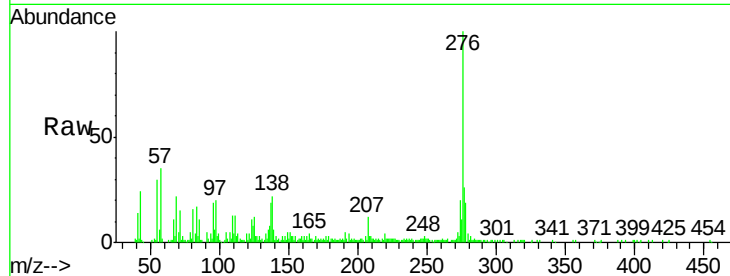




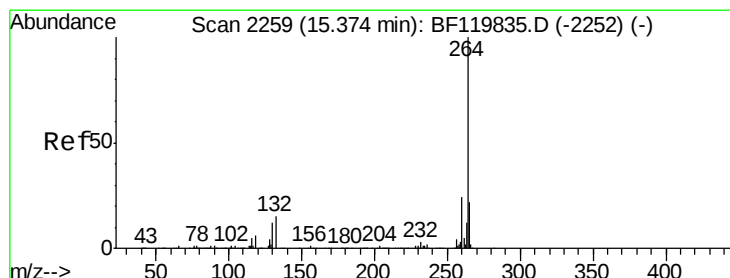
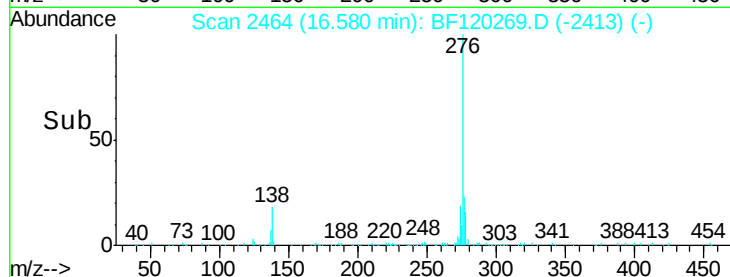
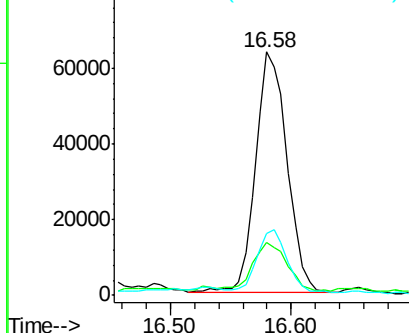
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 79.114 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 115389
 Ion Ratio Lower Upper
 276 100
 138 21.6 19.6 29.4
 277 25.4 20.0 30.0

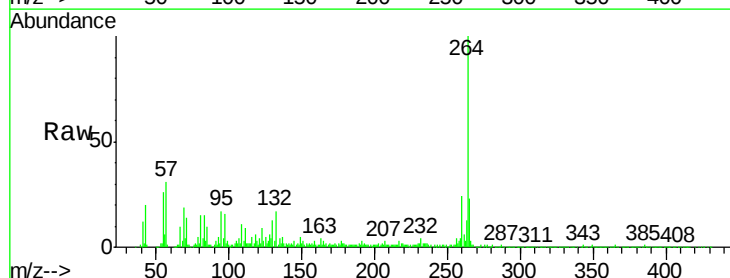


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

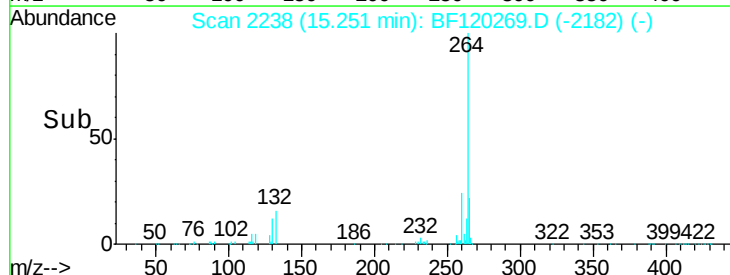
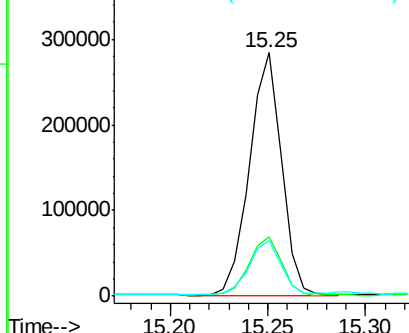


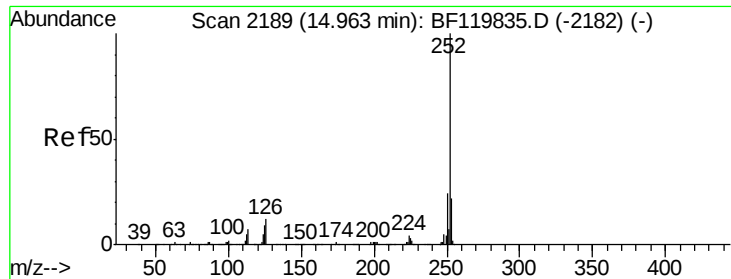
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.03 min
 Lab File: BF120269.D
 Acq: 1 May 2020 20:18

Tgt Ion:264 Resp: 322790
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 22.9 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

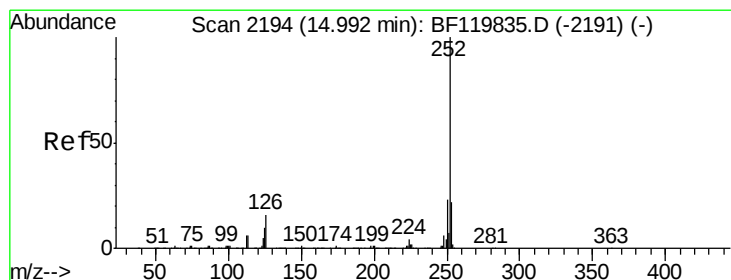
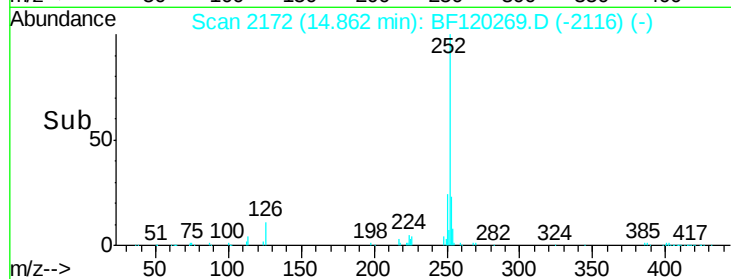
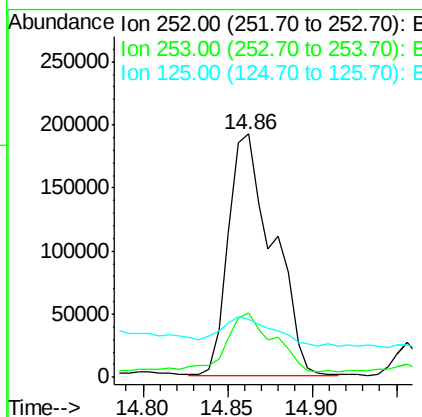
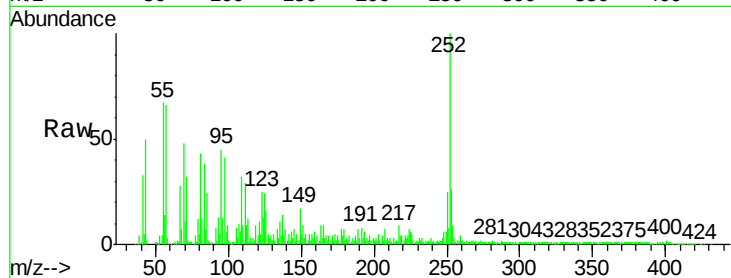




#88
Benzo(b)fluoranthene
Concen: 15.109 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.03 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

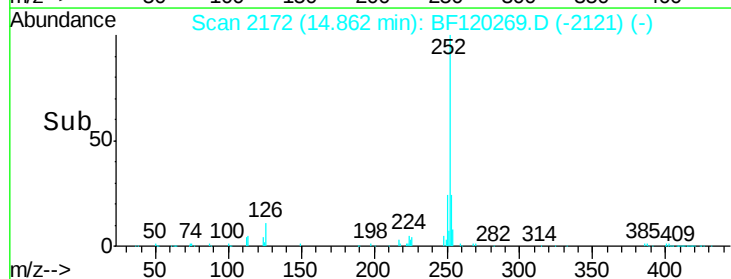
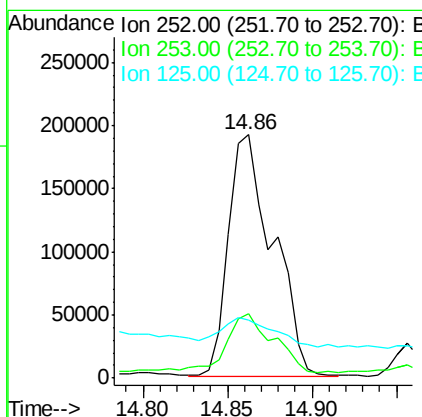
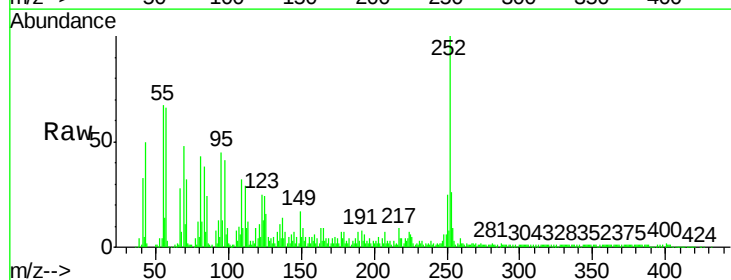
Instrument :
BNA_F
ClientSampleId :

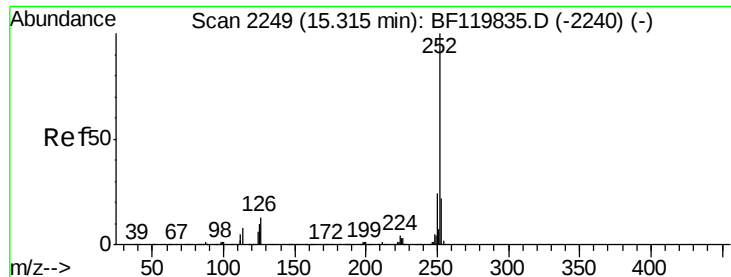
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.4	26.0#
125	23.8	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 17.512 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	23.8	8.4	12.6#

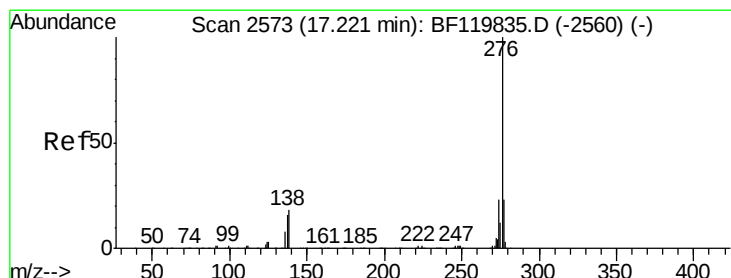
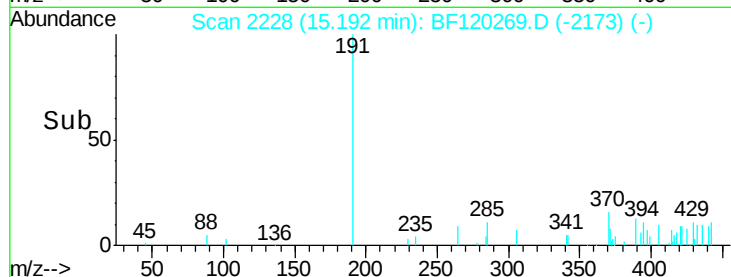
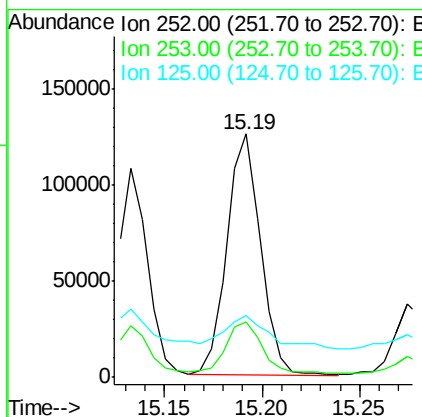
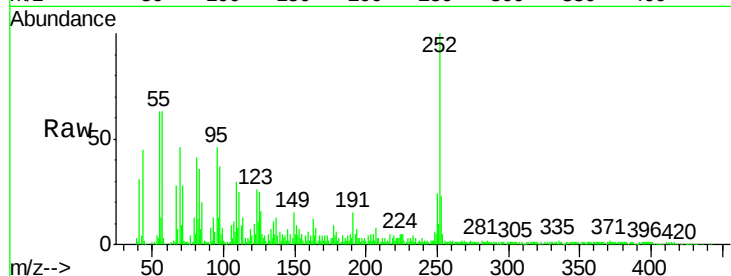




#90
Benzo(a)pyrene
Concen: 7.661 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 149573
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 25.4 9.4 14.2#



#92
Benzo(g,h,i)perylene
Concen: 5.324 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF120269.D
Acq: 1 May 2020 20:18

Tgt Ion:276 Resp: 90883
Ion Ratio Lower Upper
276 100
277 26.1 18.4 27.6
138 20.4 15.4 23.0

