

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120065.D
 Acq On : 17 Apr 2020 17:58
 Operator : MA/SJ
 Sample : L2283-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:34:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	183944	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	591926	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	277497	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	424236	20.00	ng	0.01
76) Chrysene-d12	13.92	240	277146	20.00	ng	0.01
87) Perylene-d12	15.36	264	223361	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	955880	89.81	ng	0.01
7) Phenol-d6	6.37	99	1245649	90.82	ng	0.00
23) Nitrobenzene-d5	7.30	82	800419	69.96	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	222468	65.48	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1396394	71.44	ng	0.00
79) Terphenyl-d14	12.86	244	952983	57.86	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.28	77	14513	Below Cal		# 1
18) Hexachloroethane	7.22	117	10541	2.127	ng	# 1
20) 3+4-Methylphenols	7.15	107	35274	2.718	ng	# 69
22) Acetophenone	7.13	105	123191	8.888	ng	# 45
27) 2,4-Dimethylphenol	7.67	122	19809	2.284	ng	# 77
31) Naphthalene	8.05	128	3207298	102.986	ng	# 98
32) Benzoic acid	7.81	122	20111	2.640	ng	# 29
33) 4-Chloroaniline	8.05	127	474455	34.995	ng	# 32
35) Caprolactam	8.48	113	5657	2.080	ng	# 1
37) 2-Methylnaphthalene	8.73	142	865703	41.001	ng	# 99
38) 1-Methylnaphthalene	8.83	142	769185	38.651	ng	# 98
46) 1,1'-Biphenyl	9.19	154	143485	6.126	ng	# 97
49) Acenaphthylene	9.64	152	352767	12.856	ng	# 92
50) Dimethylphthalate	9.49	163	224109	10.441	ng	# 95
52) Acenaphthene	9.81	154	340384	18.596	ng	# 97
55) Dibenzofuran	9.98	168	396361	15.780	ng	# 84
56) 4-Nitrophenol	9.88	139	44993	11.265	ng	# 64
57) 2,4-Dinitrotoluene	9.98	165	19992	3.228	ng	# 1
58) Fluorene	10.33	166	657893	32.750	ng	# 99
66) n-Nitrosodiphenylamine	10.44	169	119278	8.454	ng	# 70
71) Phenanthrene	11.30	178	2502650	110.843	ng	# 97
72) Anthracene	11.35	178	831649	36.057	ng	# 99
73) Carbazole	11.50	167	112785	5.171	ng	# 82
75) Fluoranthene	12.50	202	1749397	71.809	ng	# 99
78) Pyrene	12.72	202	1667432	71.368	ng	# 100
81) Benzo(a)anthracene	13.90	228	764777	41.946	ng	# 95
83) Chrysene	13.94	228	616285	33.266	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.90	149	89697	5.842	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.74	276	187958	11.510	ng	# 99
88) Benzo(b)fluoranthene	14.95	252	775660	48.273	ng	# 92
89) Benzo(k)fluoranthene	14.95	252	775660	55.949	ng	# 93
90) Benzo(a)pyrene	15.30	252	445235	32.956	ng	# 93
91) Dibenzo(a,h)anthracene	16.75	278	57847	4.834	ng	# 77
92) Benzo(g,h,i)perylene	17.16	276	166759	14.117	ng	# 93

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 17 10:51:37 2020
Response via : Initial Calibration

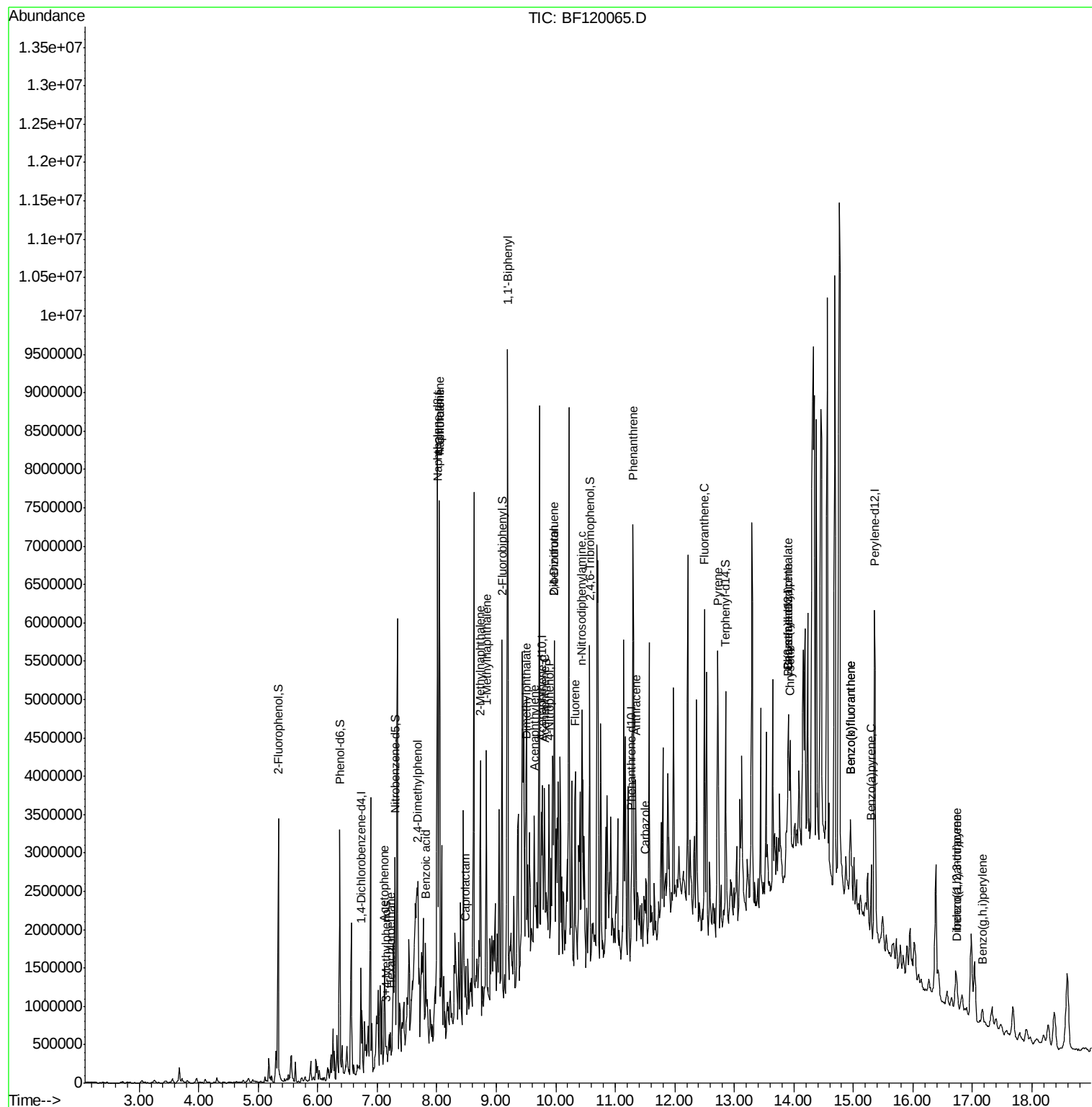
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

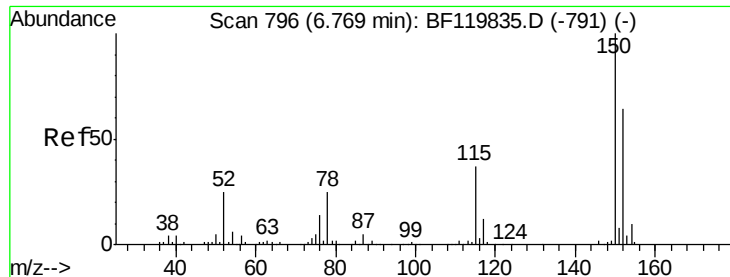
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
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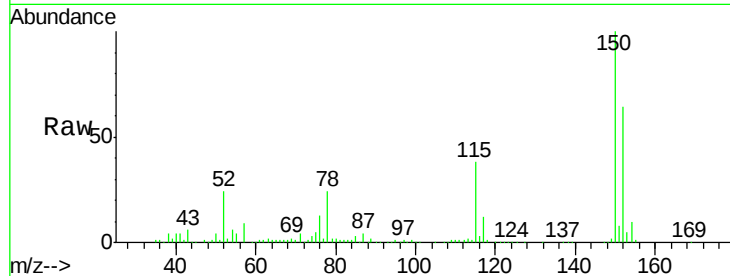


#1

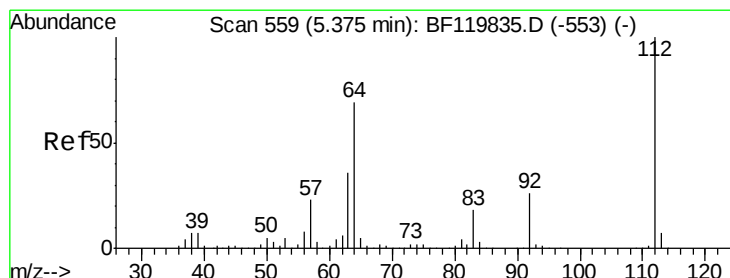
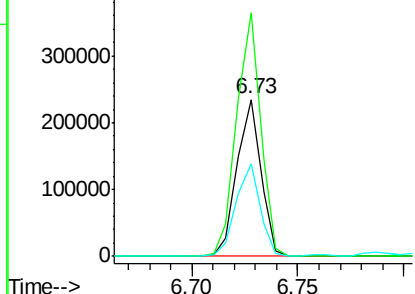
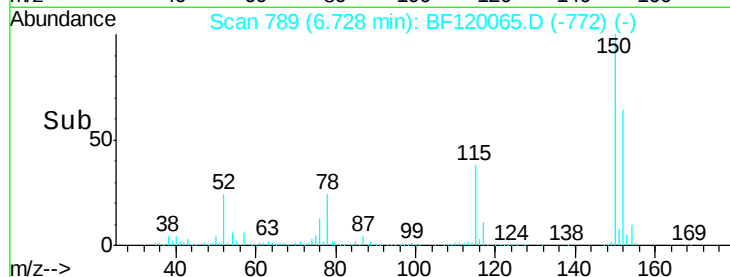
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Instrument :
BNA_F
ClientSampled :

Tot Ion	152	Resp	183944
Ion Ratio	Lower	Upper	
152	100		
150	155.5	124.8	187.2
115	59.1	46.5	69.7



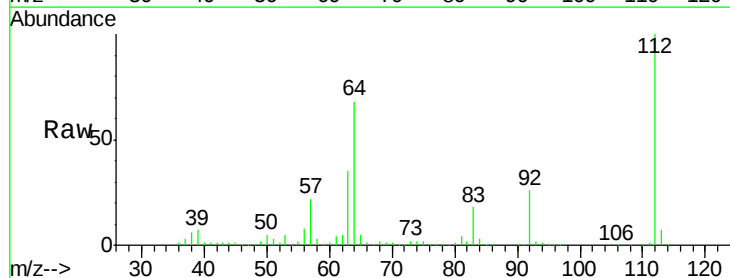
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



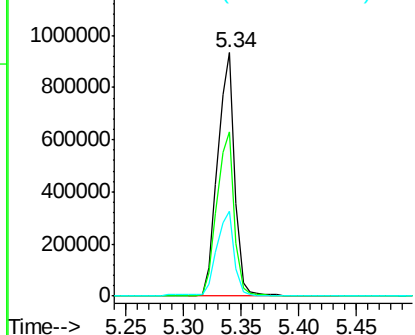
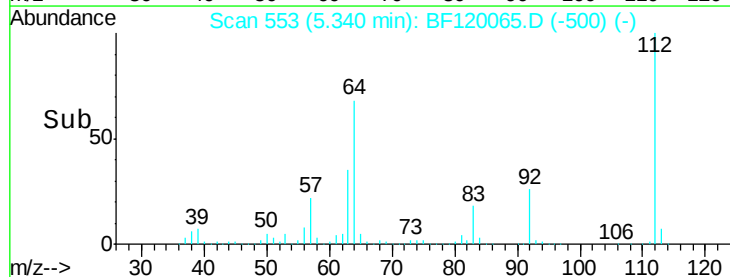
#5

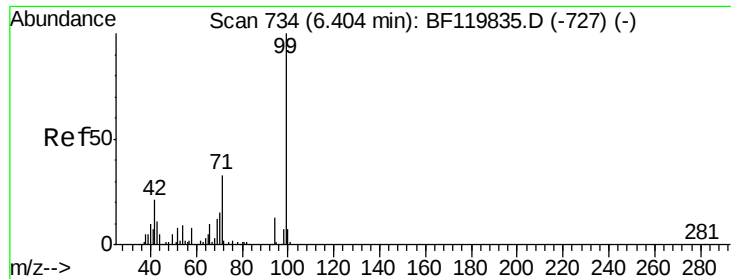
2-Fluorophenol
Concen: 89.806 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion	112	Resp	955880
Ion Ratio	Lower	Upper	
112	100		
64	67.7	55.5	83.3
63	35.1	29.1	43.7



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: 90.824 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampled :

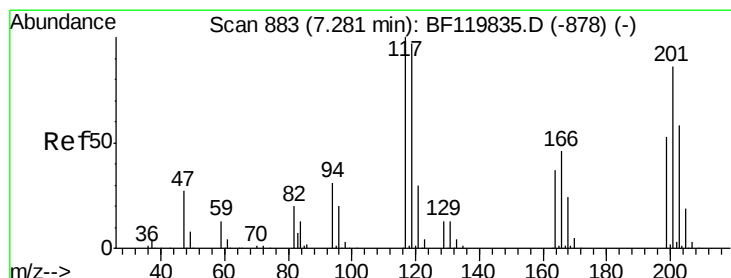
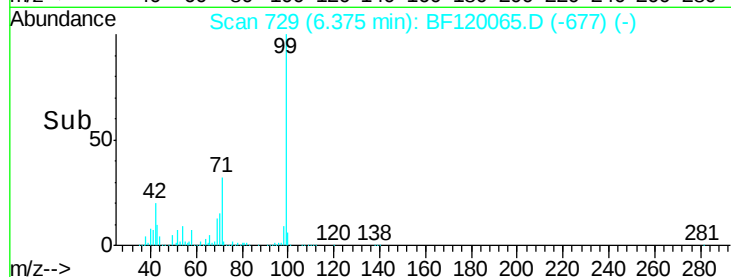
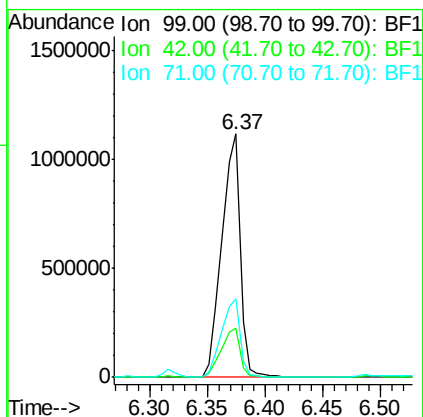
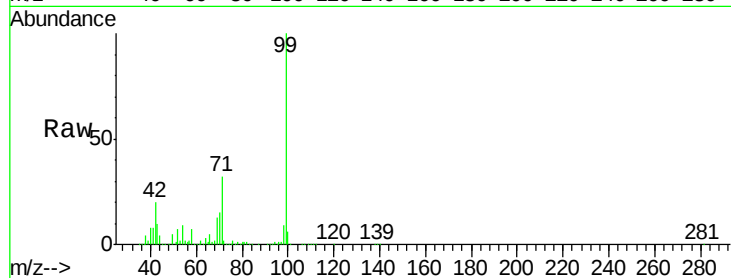
Tot Ion: 99 Resp: 1245649

Ion Ratio Lower Upper

99 100

42 20.1 16.9 25.3

71 32.3 26.3 39.5



#18

Hexachloroethane

Concen: 2.127 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

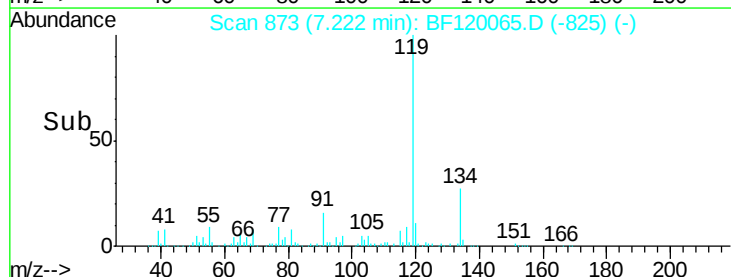
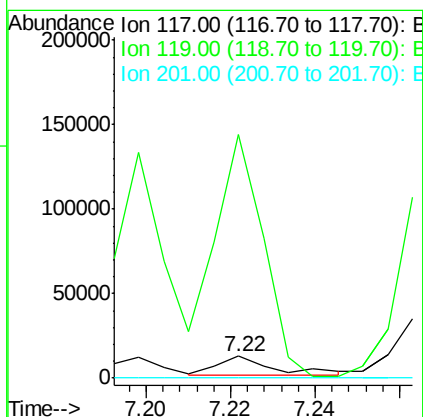
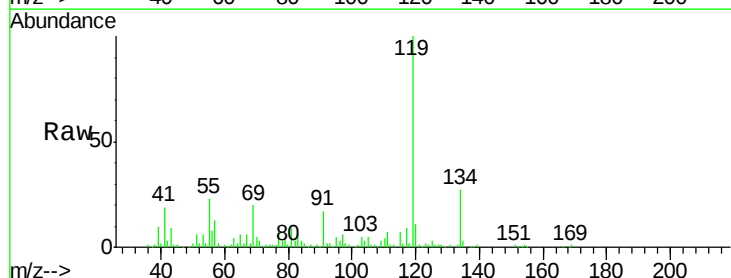
Tgt Ion: 117 Resp: 10541

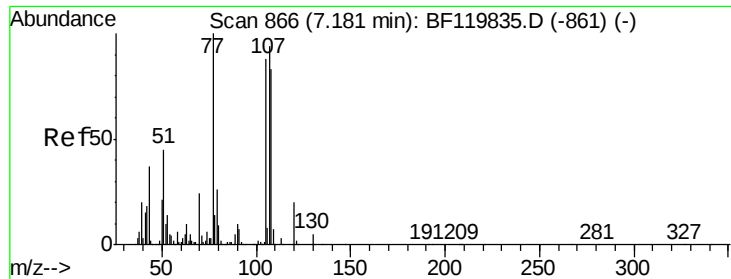
Ion Ratio Lower Upper

117 100

119 1106.5 77.4 116.0#

201 0.0 68.4 102.6#

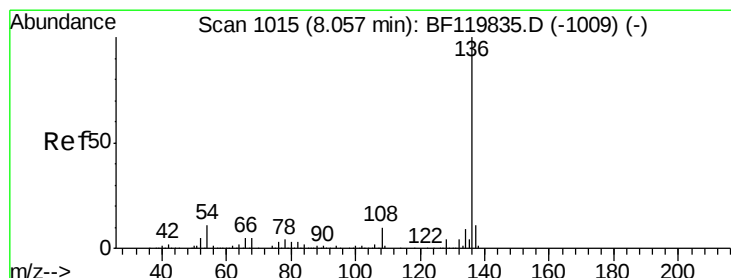
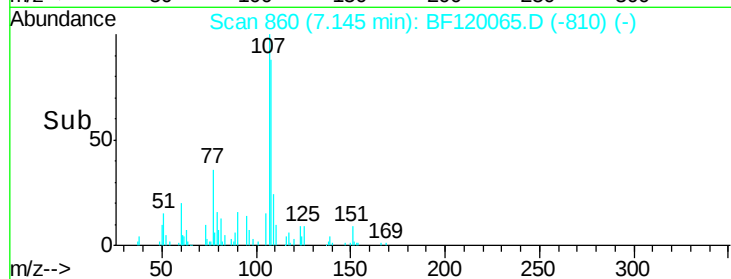
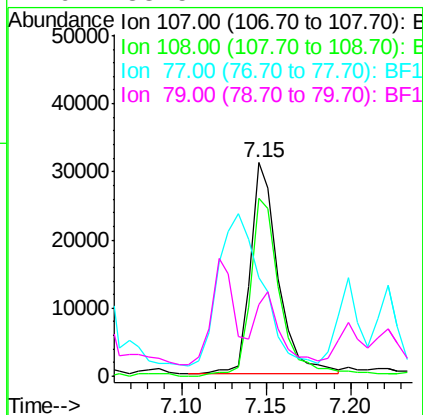
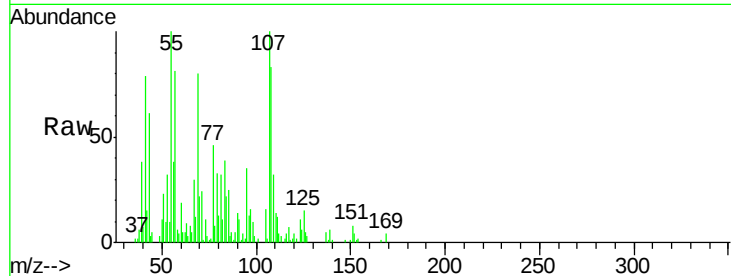




#20
3+4-Methylphenols
Concen: 2.718 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

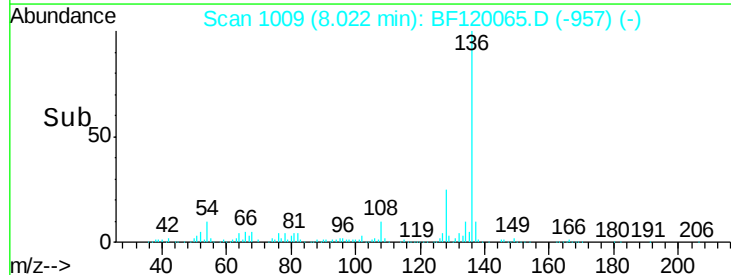
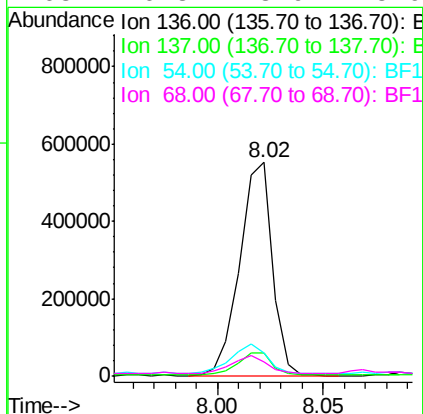
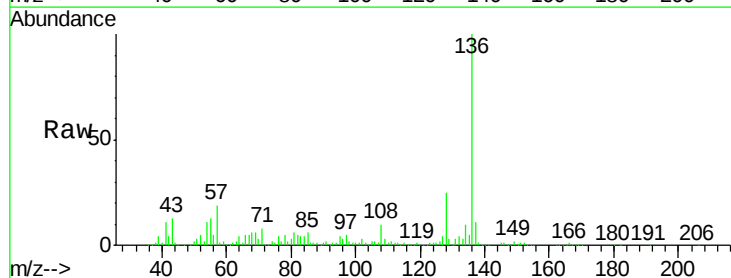
Instrument :
BNA_F
ClientSampled :

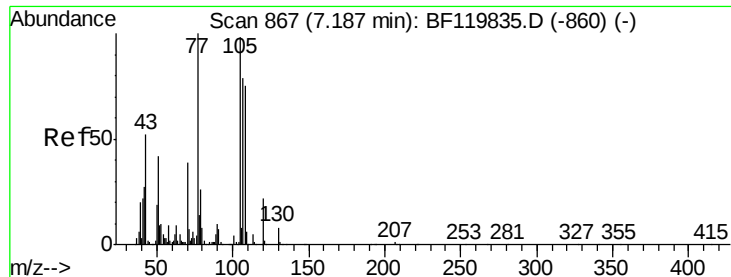
Tot Ion:	107	Resp:	35274
Ion	Ratio	Lower	Upper
107	100		
108	83.4	68.2	108.2
77	46.4	86.6	126.6#
79	33.5	7.7	47.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion:	136	Resp:	591926
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.5	8.5	12.7
68	6.3	3.9	5.9#





#22

Acetophenone

Concen: 8.888 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 123191

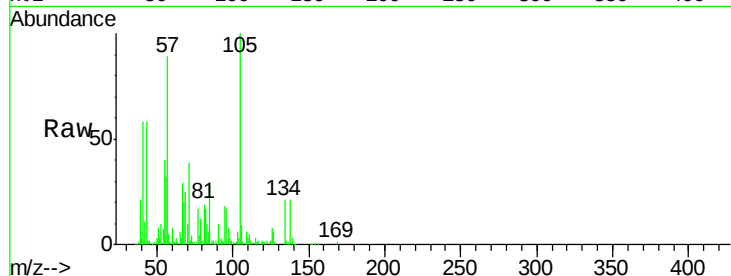
Ion Ratio Lower Upper

105 100

71 39.3 5.6 8.4#

51 7.8 33.9 50.9#

120 1.4 17.8 26.8#



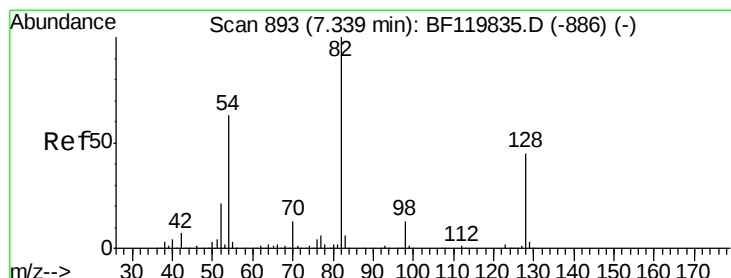
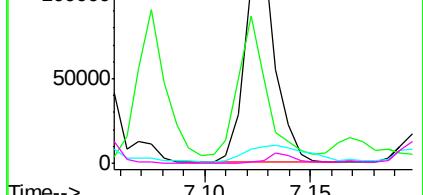
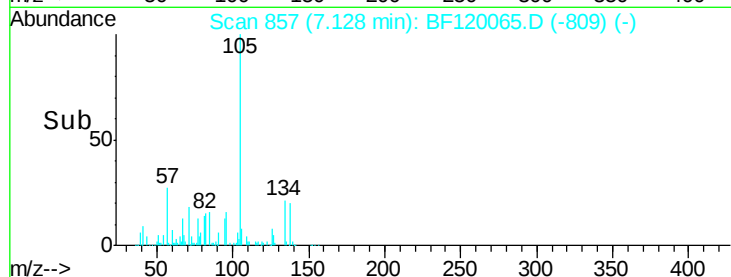
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 69.956 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

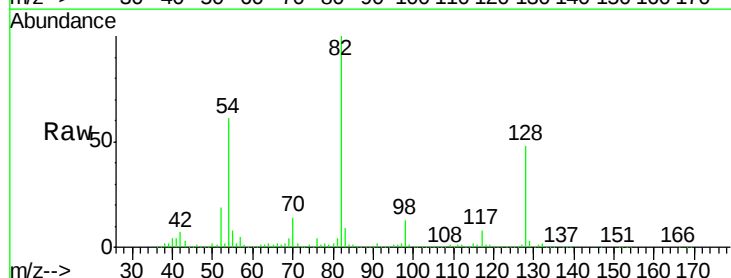
Tgt Ion: 82 Resp: 800419

Ion Ratio Lower Upper

82 100

128 47.9 36.2 54.4

54 61.2 50.4 75.6

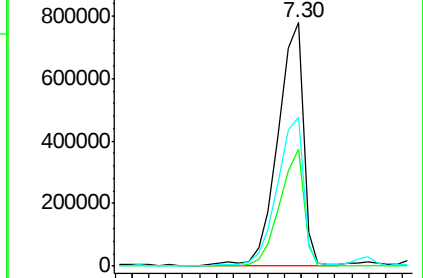
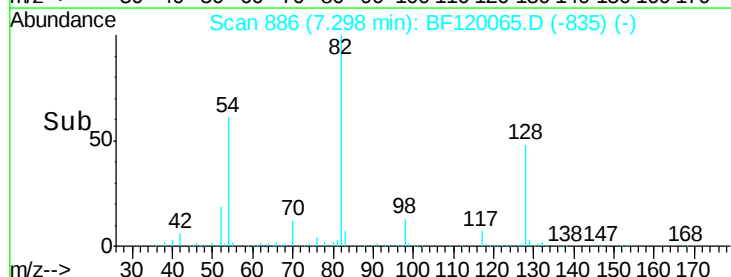


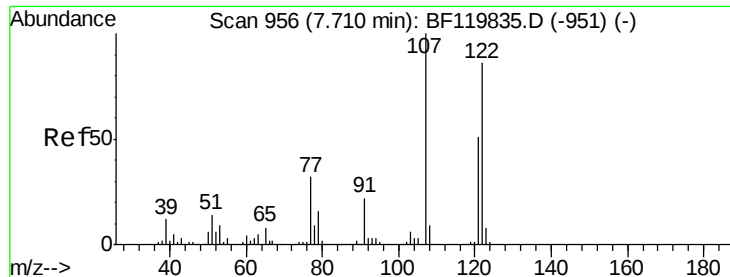
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->





#27

2,4-Dimethylphenol

Concen: 2.284 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampled :

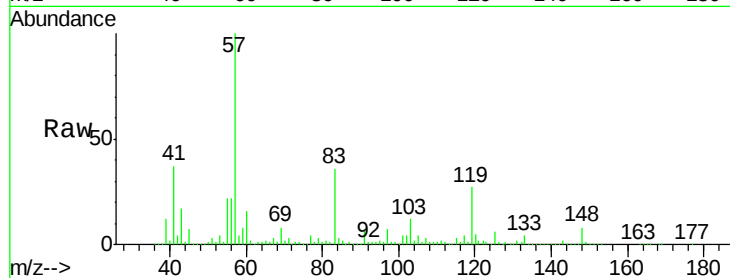
Tot Ion:122 Resp: 19809

Ion Ratio Lower Upper

122 100

107 136.6 92.3 138.5

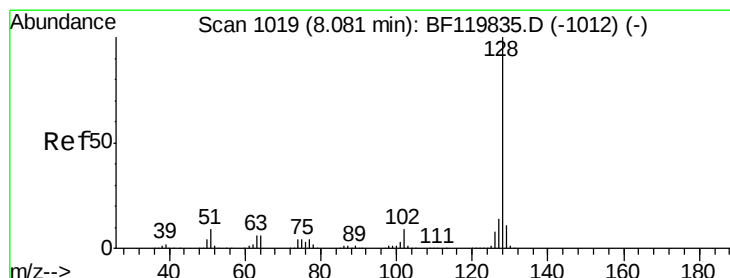
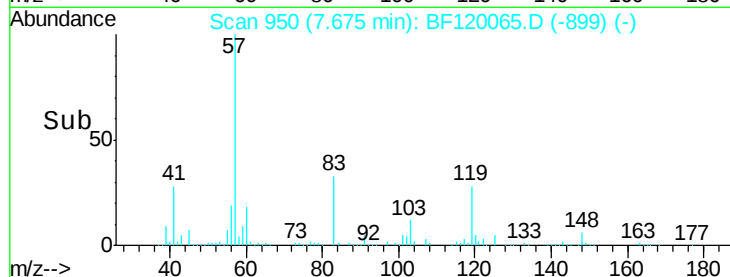
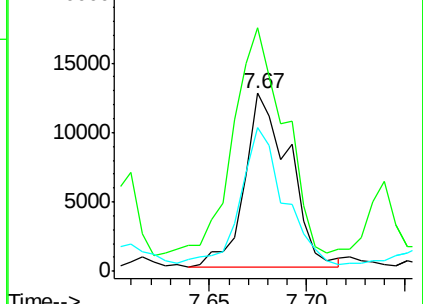
121 80.9 46.6 70.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 102.986 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

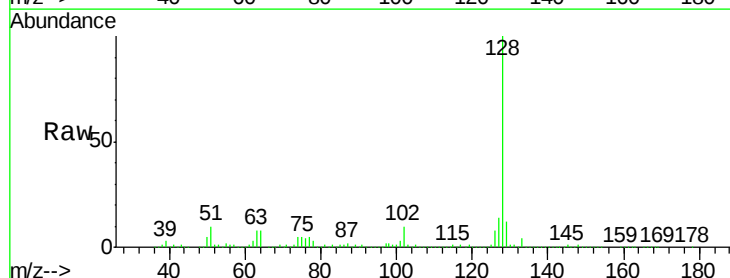
Tgt Ion:128 Resp: 3207298

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

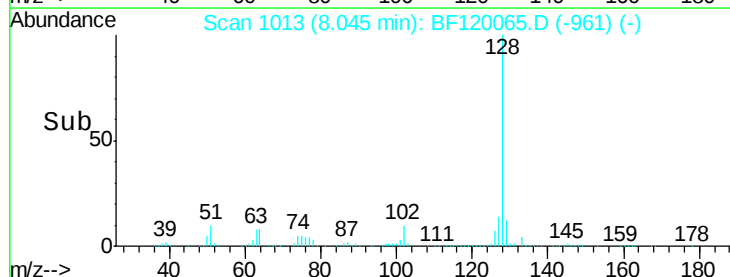
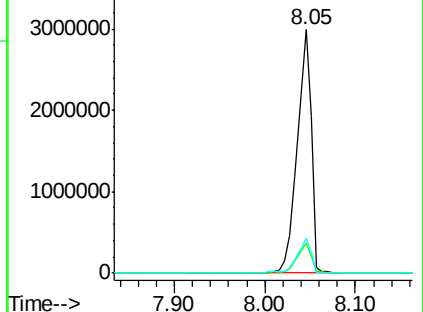
127 14.2 11.0 16.4

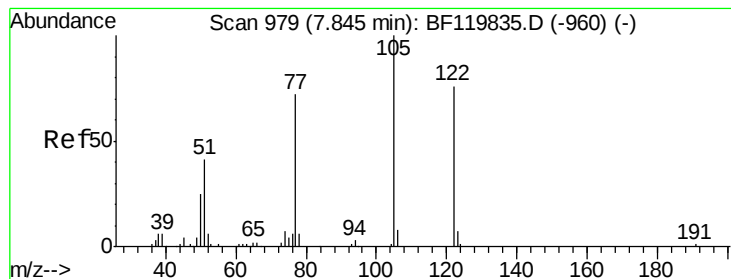


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.640 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampled :

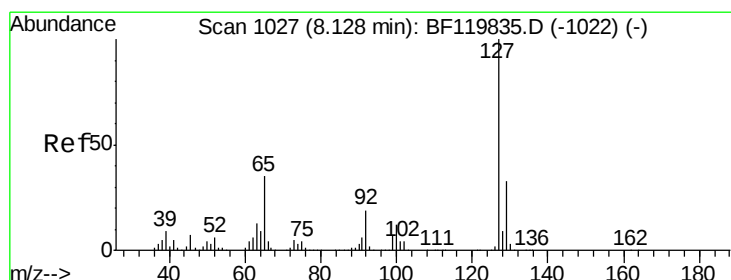
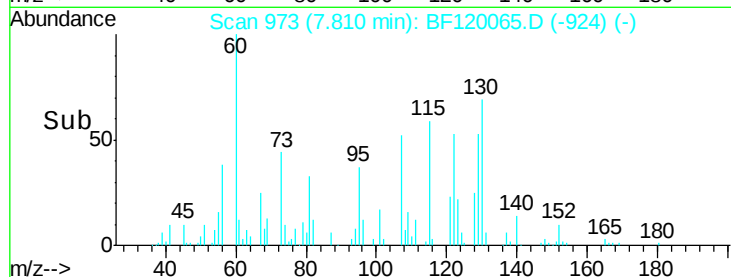
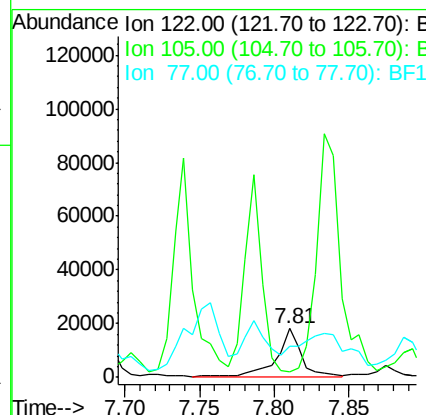
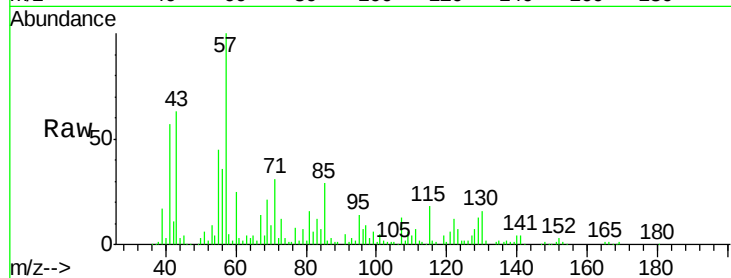
Tot Ion:122 Resp: 20111

Ion Ratio Lower Upper

122 100

105 11.5 106.7 146.7#

77 62.5 72.1 112.1#



#33

4-Chloroaniline

Concen: 34.995 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.04 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Tgt Ion:127 Resp: 474455

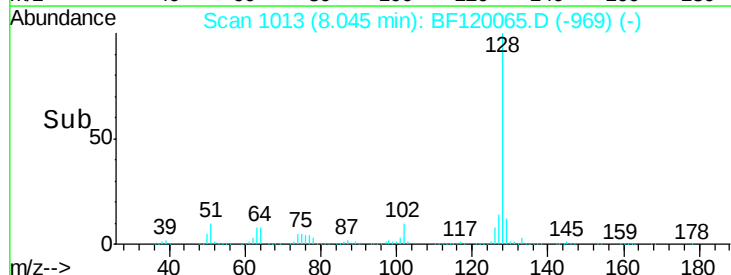
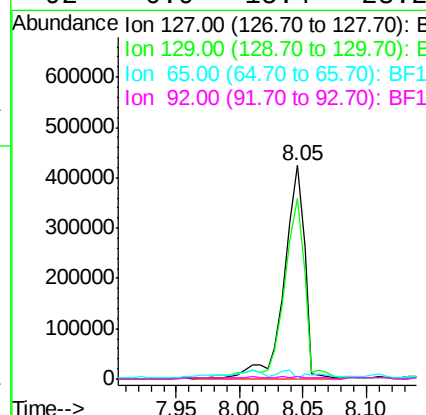
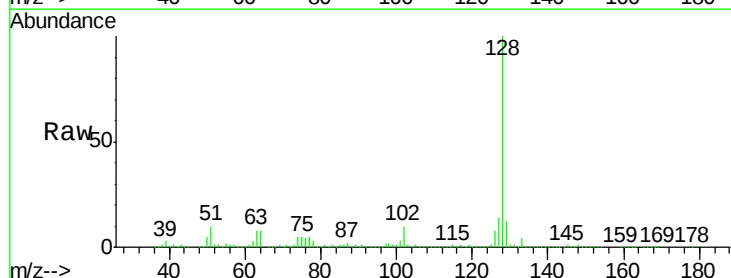
Ion Ratio Lower Upper

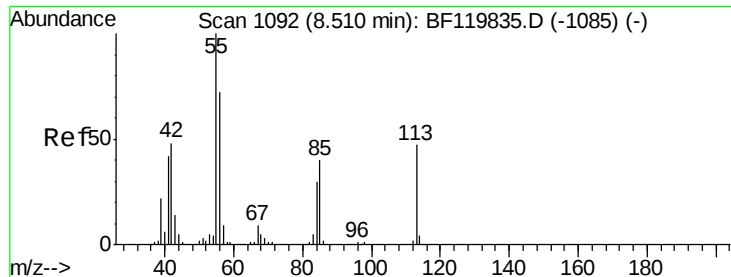
127 100

129 84.7 26.2 39.2#

65 0.0 28.3 42.5#

92 0.9 15.4 23.2#





#35

Caprolactam

Concen: 2.080 ng

RT: 8.48 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

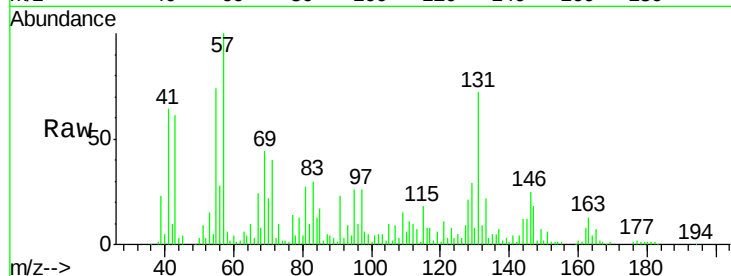
Tot Ion:113 Resp: 5657

Ion Ratio Lower Upper

113 100

55 1021.3 192.7 232.7#

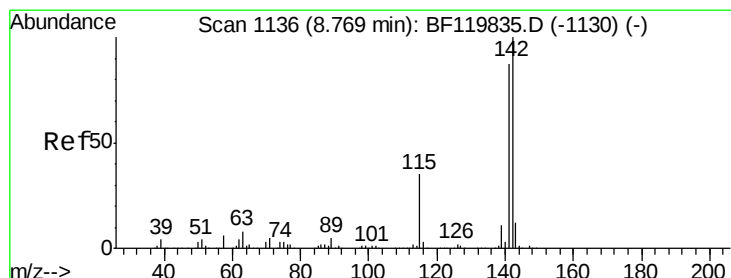
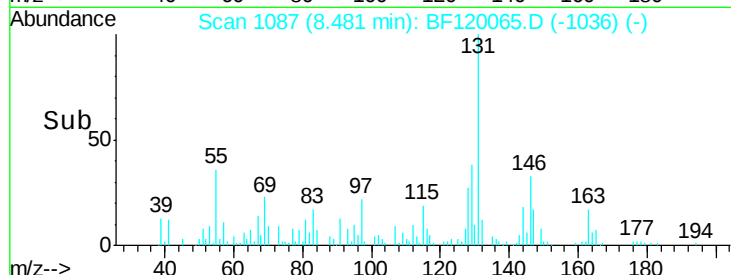
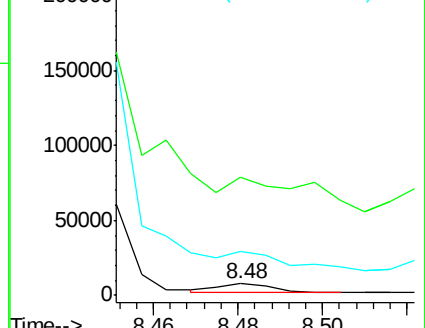
56 384.4 133.3 173.3#



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



#37

2-Methylnaphthalene

Concen: 41.001 ng

RT: 8.73 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

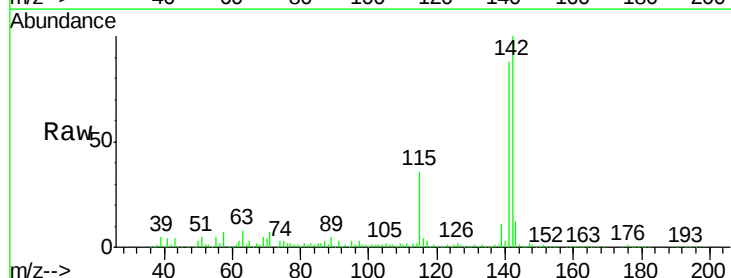
Tgt Ion:142 Resp: 865703

Ion Ratio Lower Upper

142 100

141 88.2 69.9 104.9

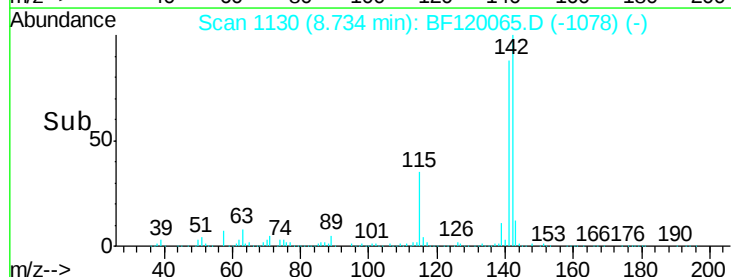
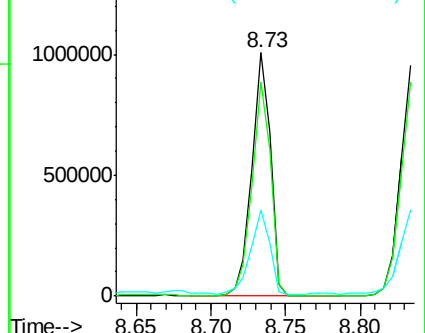
115 35.6 28.0 42.0

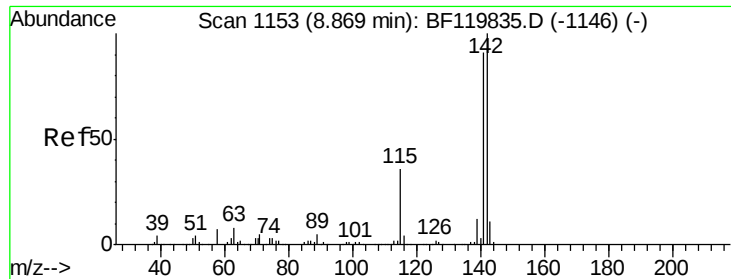


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

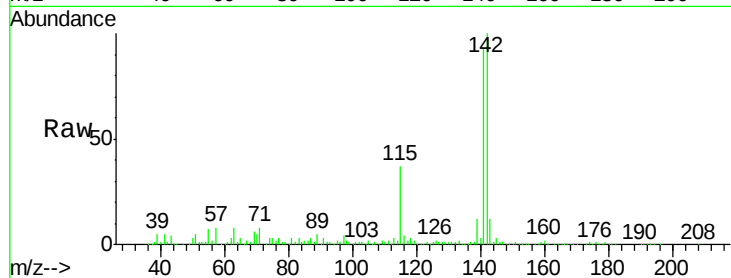




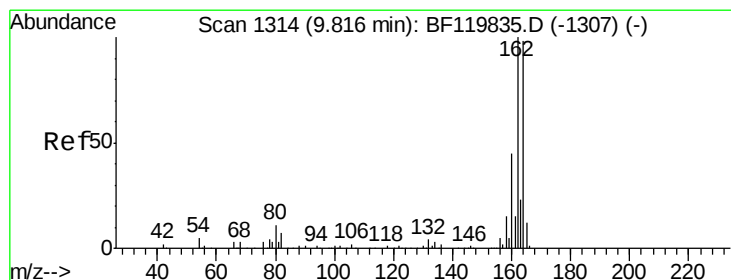
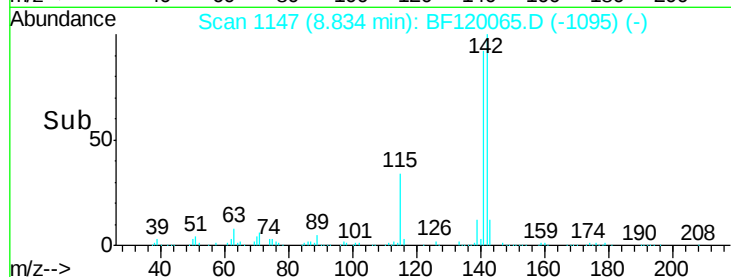
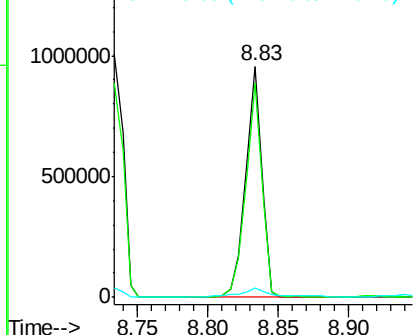
#38
1-Methylnaphthalene
Concen: 38.651 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 769185
Ion Ratio Lower Upper
142 100
141 92.6 72.9 109.3
116 4.2 3.0 4.6

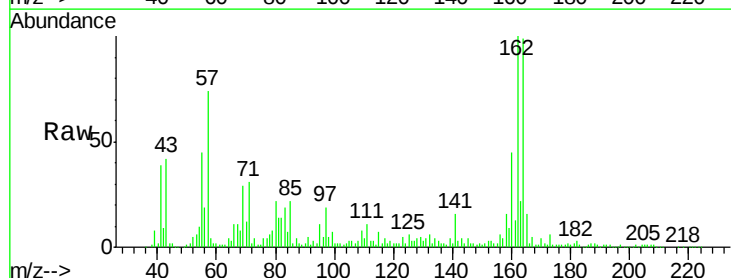


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

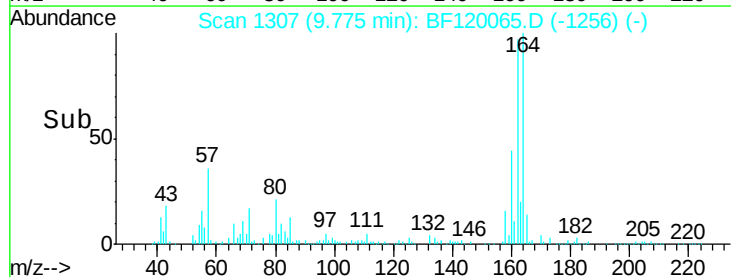
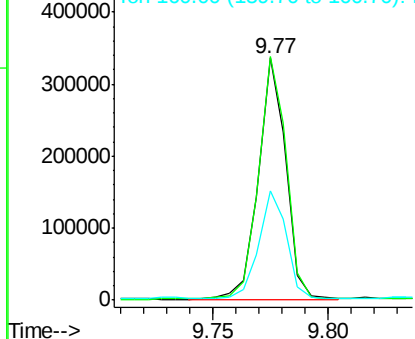


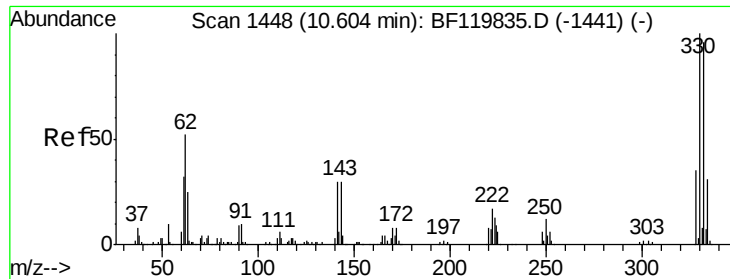
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion:164 Resp: 277497
Ion Ratio Lower Upper
164 100
162 100.6 81.9 122.9
160 44.9 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

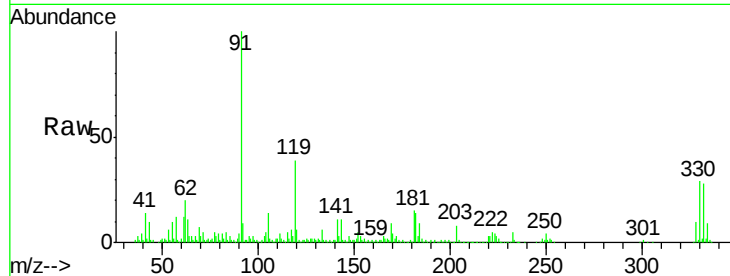




#42
 2,4,6-Tribromophenol
 Concen: 65.480 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BF120065.D
 Acq: 17 Apr 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	34.4	25.1	37.7

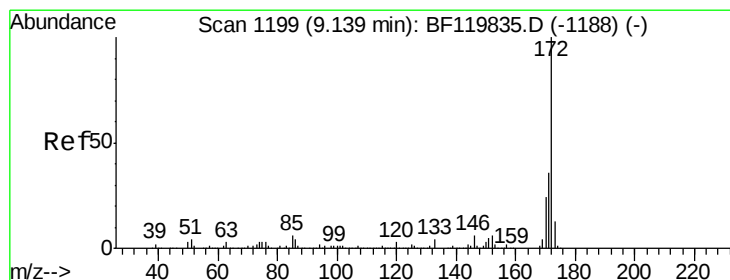
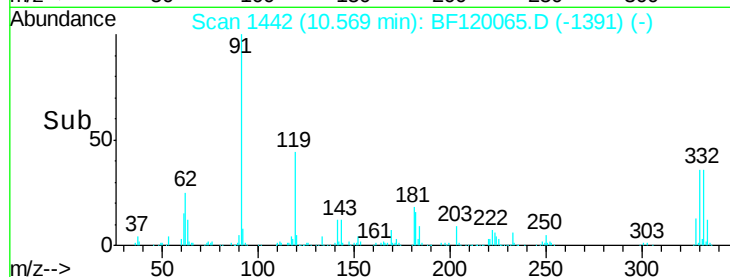
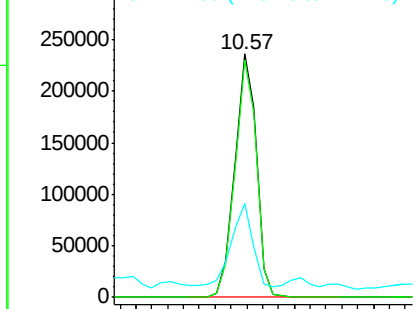


Abundance

Ion 329.80 (329.50 to 330.50): E

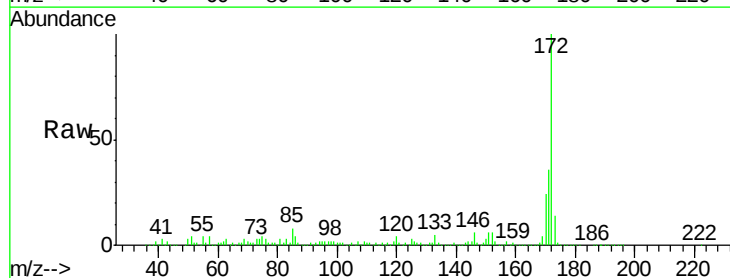
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.445 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF120065.D
 Acq: 17 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.8	19.4	29.2

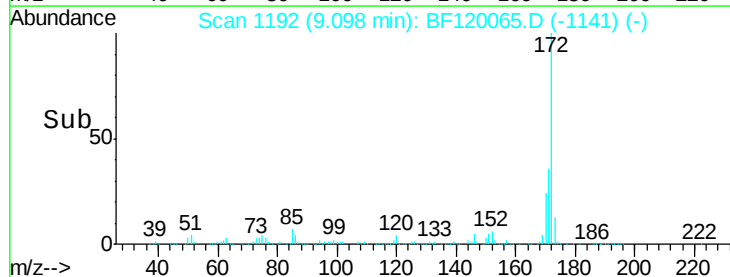
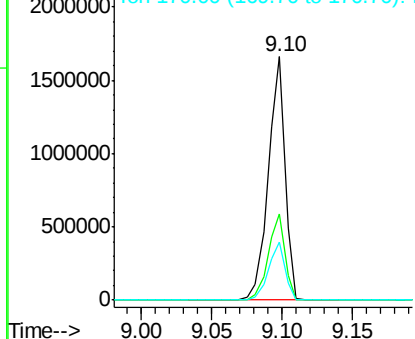


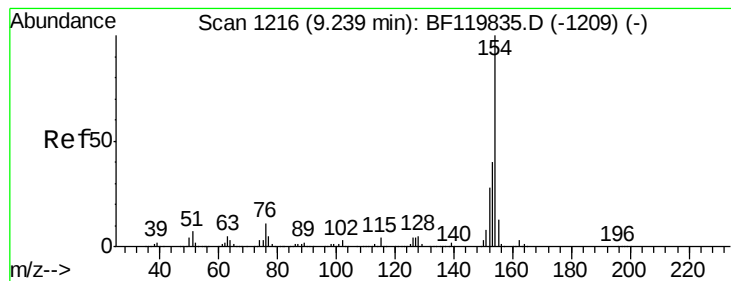
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 6.126 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

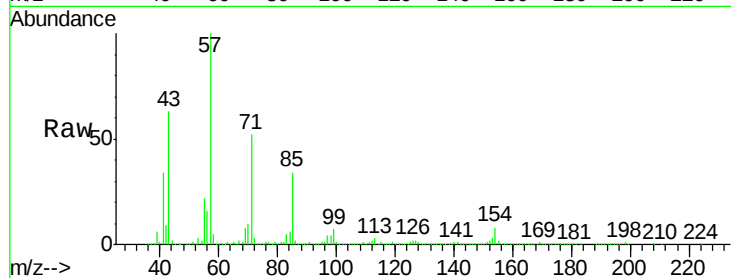
Tot Ion:154 Resp: 143485

Ion Ratio Lower Upper

154 100

153 39.0 20.5 60.5

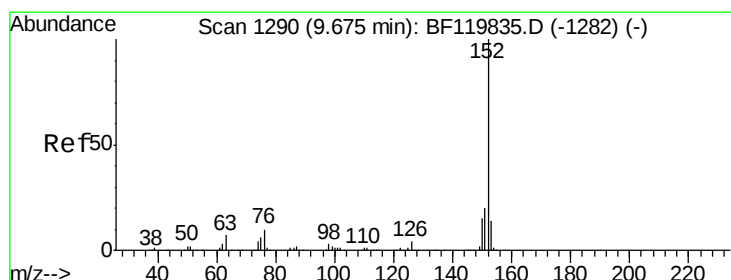
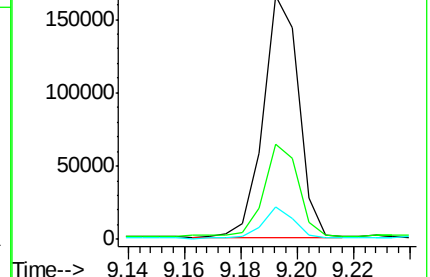
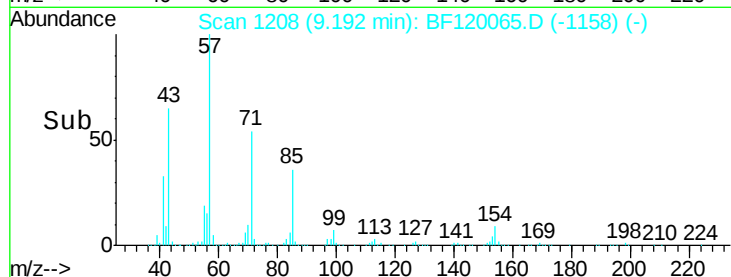
76 13.2 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 12.856 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

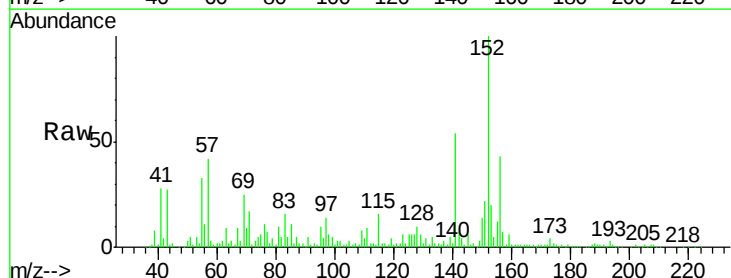
Tgt Ion:152 Resp: 352767

Ion Ratio Lower Upper

152 100

151 21.7 16.2 24.4

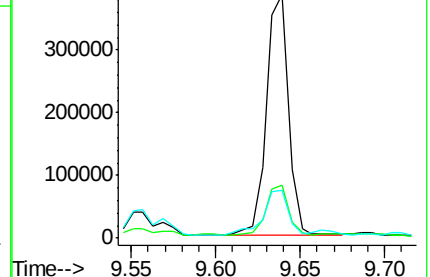
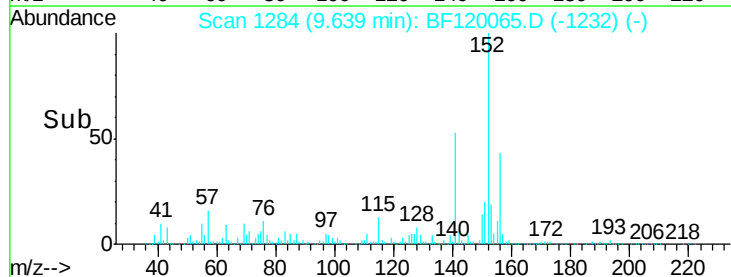
153 19.5 10.9 16.3#

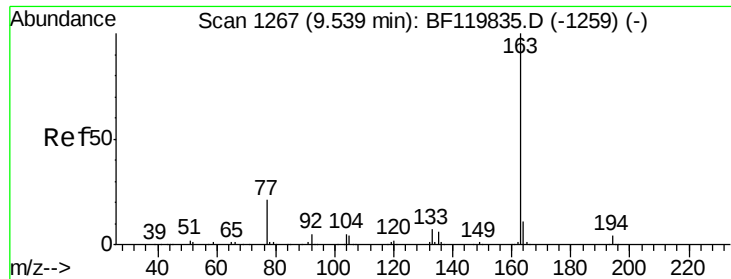


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 10.441 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

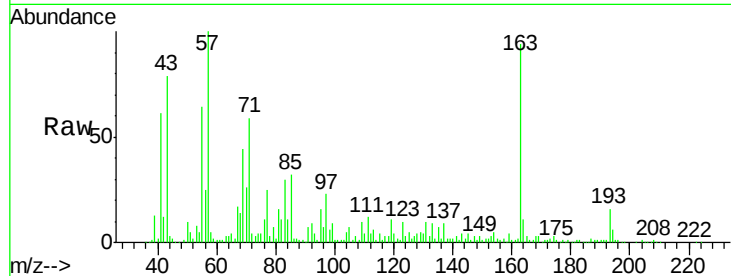
Tot Ion:163 Resp: 224109

Ion Ratio Lower Upper

163 100

194 6.9 3.0 4.4#

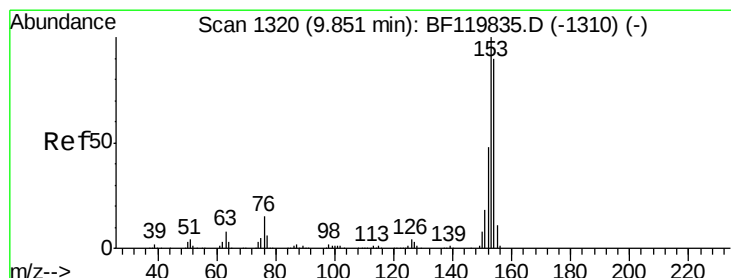
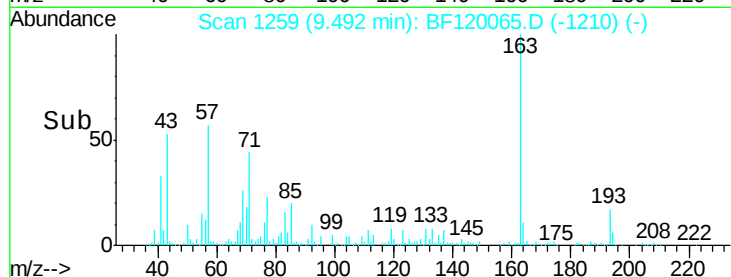
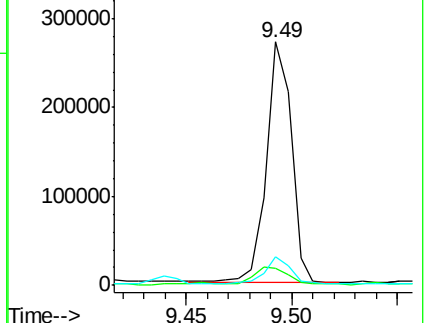
164 11.7 8.4 12.6



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



#52

Acenaphthene

Concen: 18.596 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

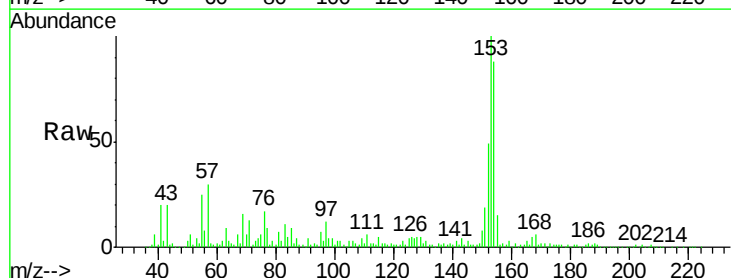
Tgt Ion:154 Resp: 340384

Ion Ratio Lower Upper

154 100

153 113.9 88.8 133.2

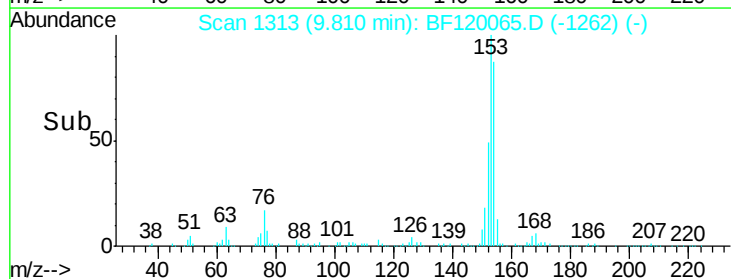
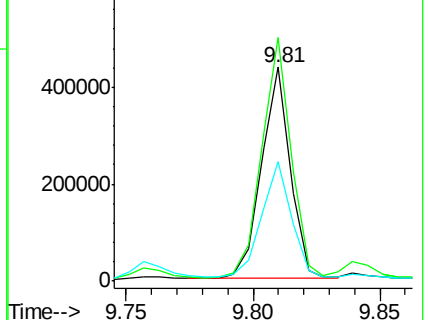
152 55.9 42.4 63.6

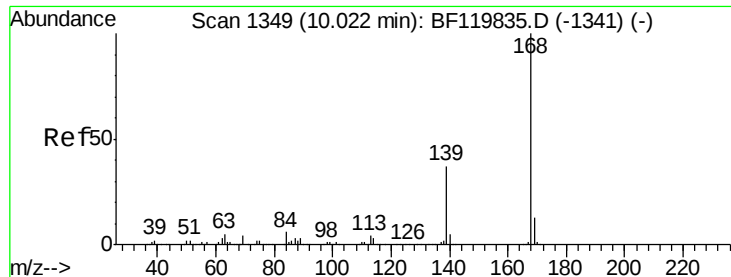


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 15.780 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

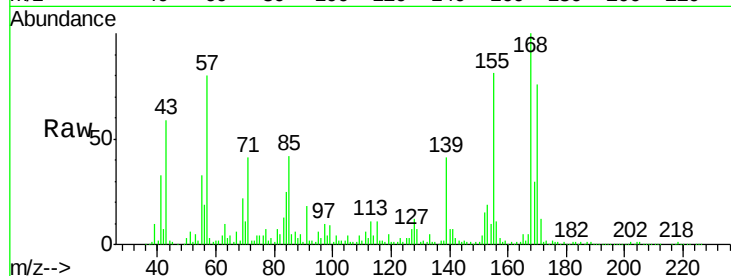
Tot Ion:168 Resp: 396361

Ion Ratio Lower Upper

168 100

139 41.3 29.8 44.6

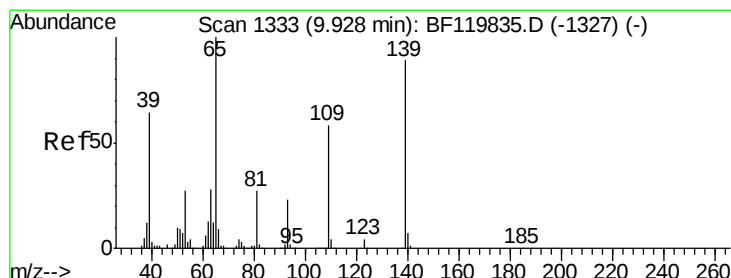
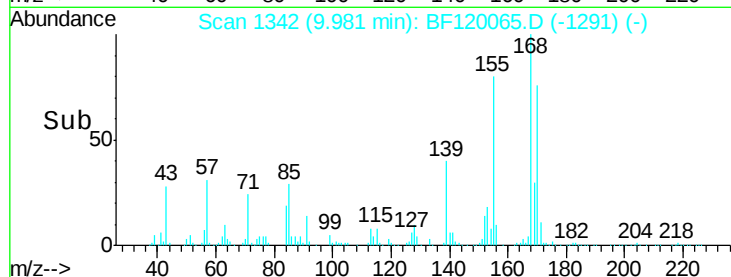
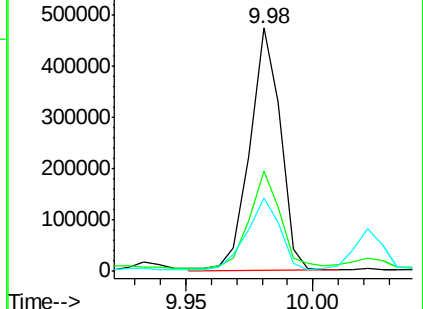
169 30.3 10.6 15.8#



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: 11.265 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

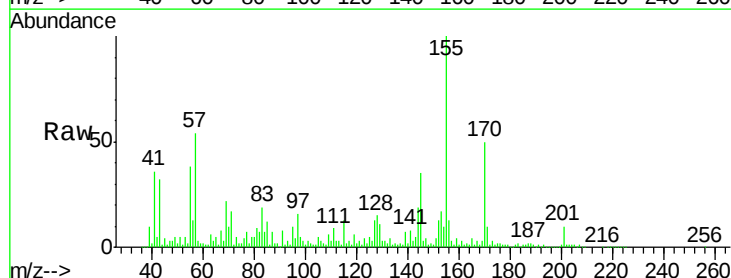
Tgt Ion:139 Resp: 44993

Ion Ratio Lower Upper

139 100

109 82.7 45.5 85.5

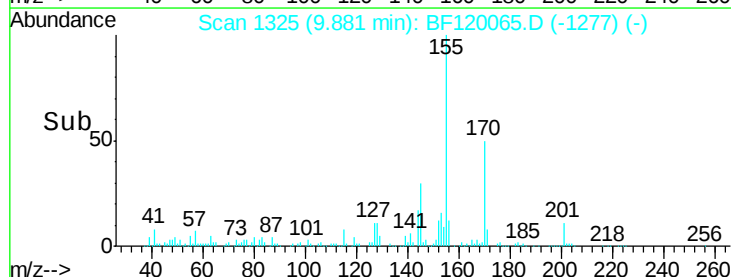
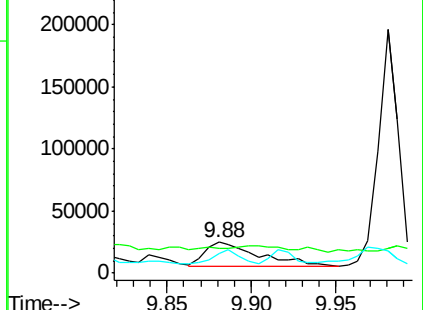
65 65.4 92.3 132.3#

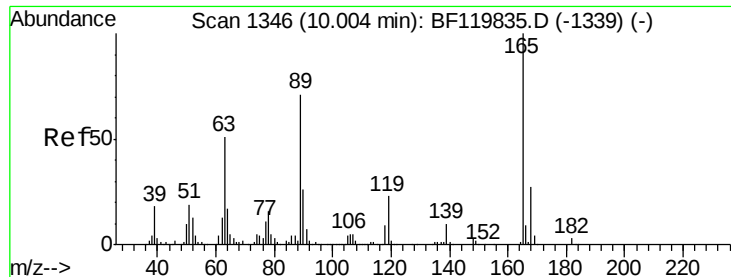


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

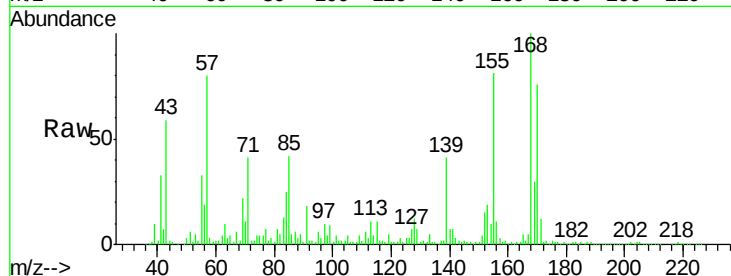




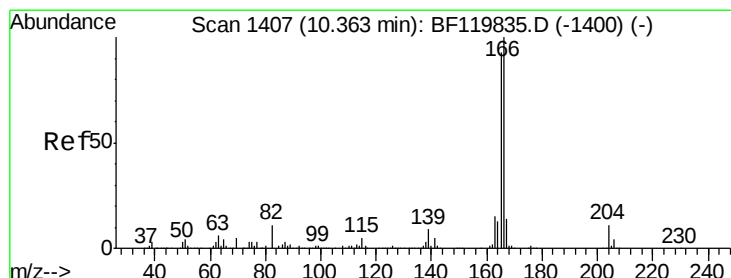
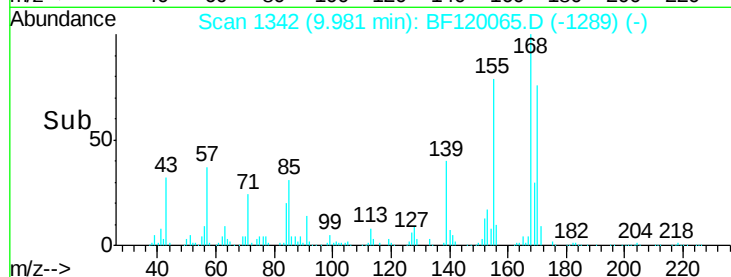
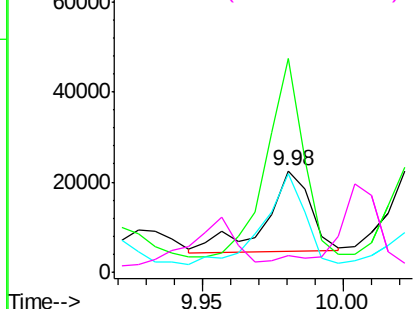
#57
2,4-Dinitrotoluene
Concen: 3.228 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 19992
Ion Ratio Lower Upper
165 100
63 211.2 40.8 61.2#
89 96.9 56.9 85.3#
182 16.2 2.0 3.0#

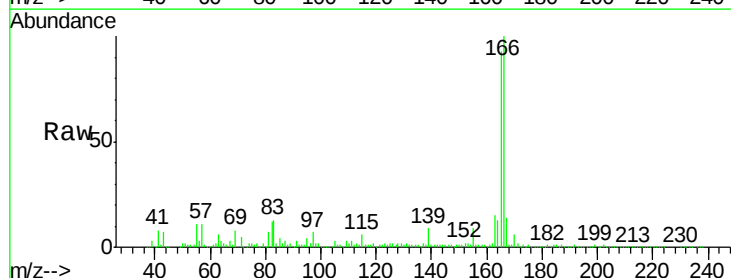


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

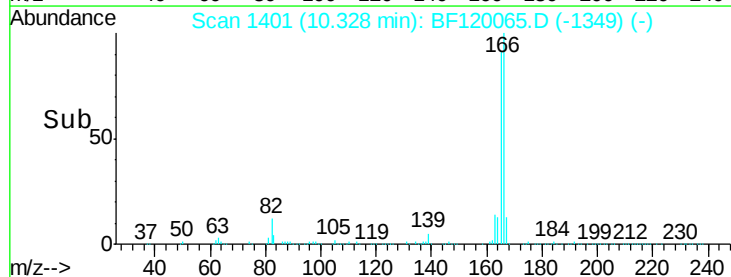
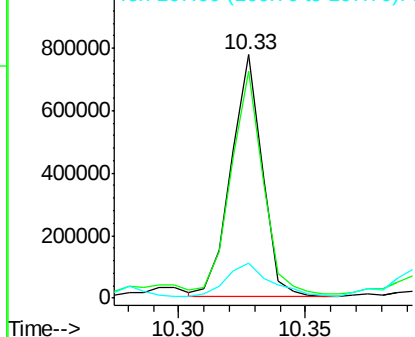


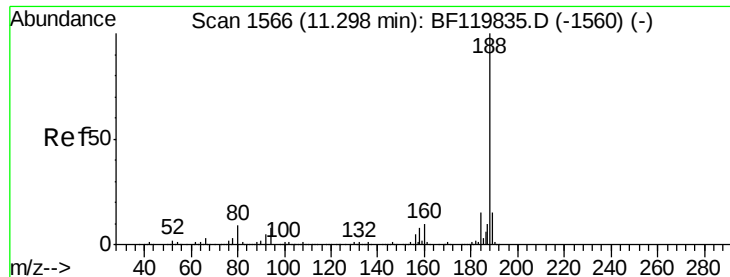
#58
Fluorene
Concen: 32.750 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion:166 Resp: 657893
Ion Ratio Lower Upper
166 100
165 93.5 74.2 111.2
167 14.4 10.8 16.2



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

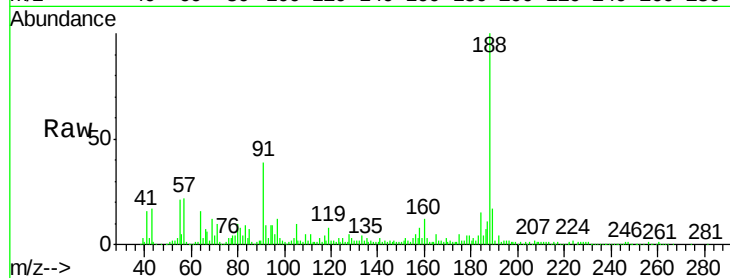
Tot Ion:188 Resp: 424236

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

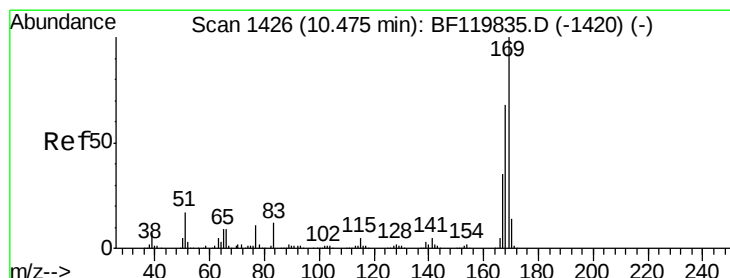
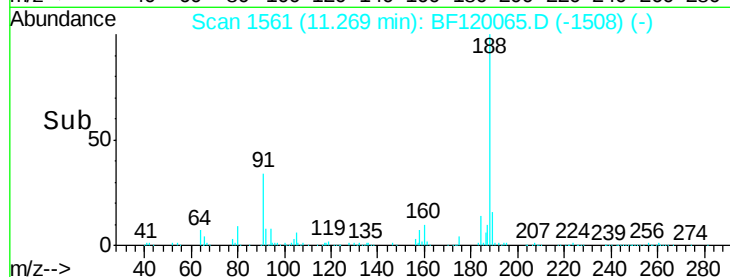
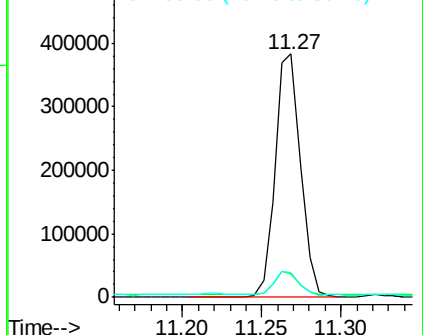
80 10.3 7.4 11.2



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



#66

n-Nitrosodiphenylamine

Concen: 8.454 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

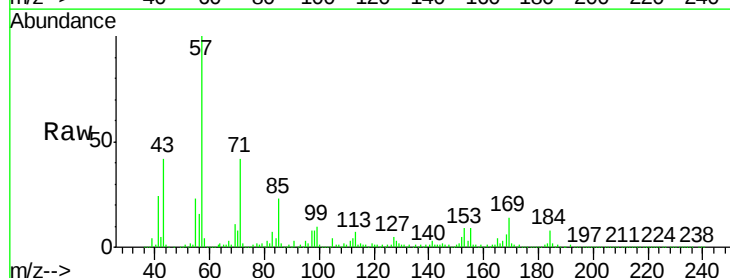
Tgt Ion:169 Resp: 119278

Ion Ratio Lower Upper

169 100

168 41.8 54.2 81.4#

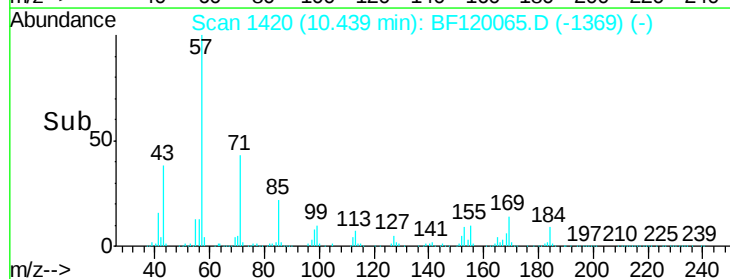
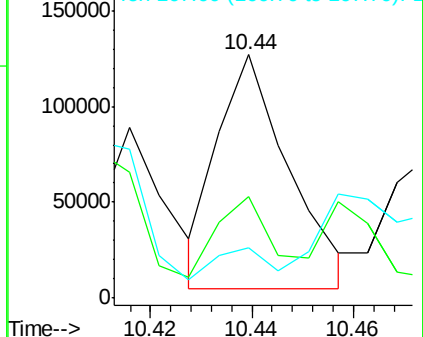
167 20.7 28.3 42.5#

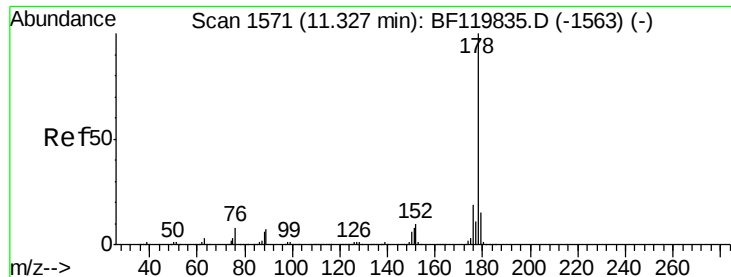


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 110.843 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

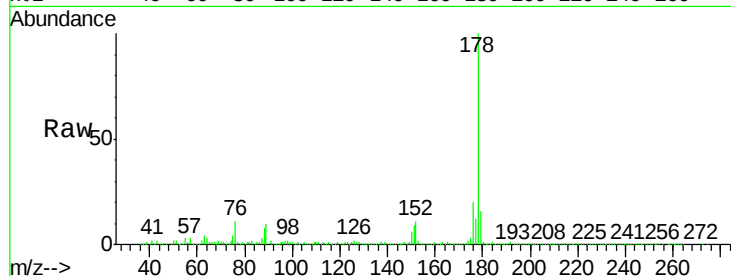
Tot Ion:178 Resp: 2502650

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

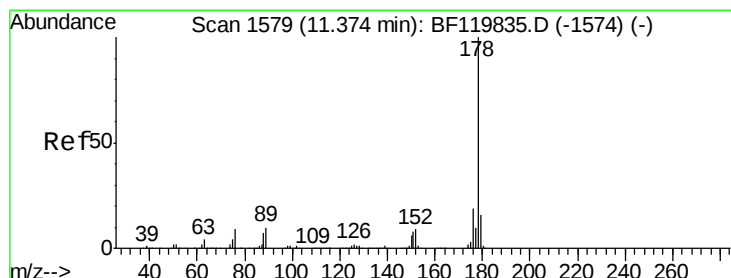
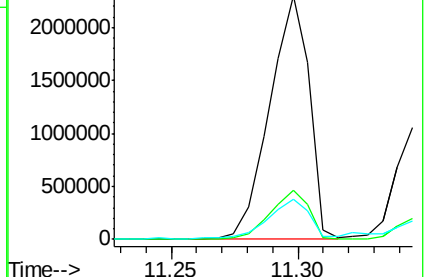
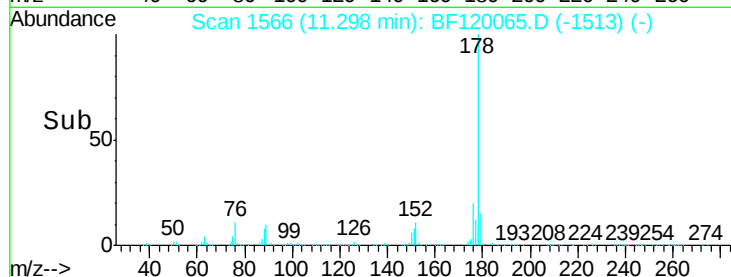
179 16.5 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 36.057 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

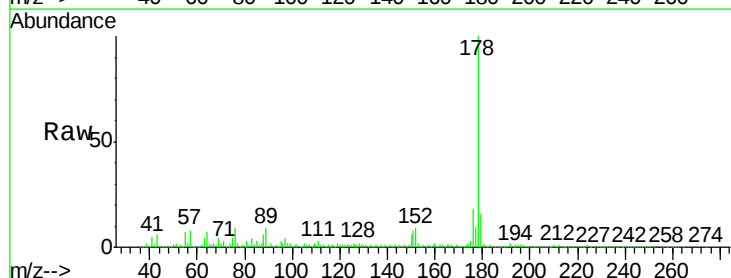
Tgt Ion:178 Resp: 831649

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

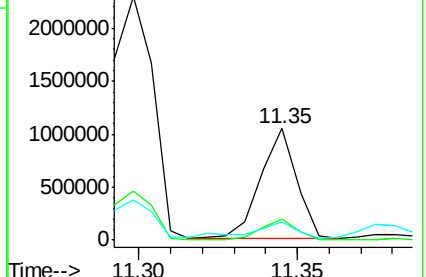
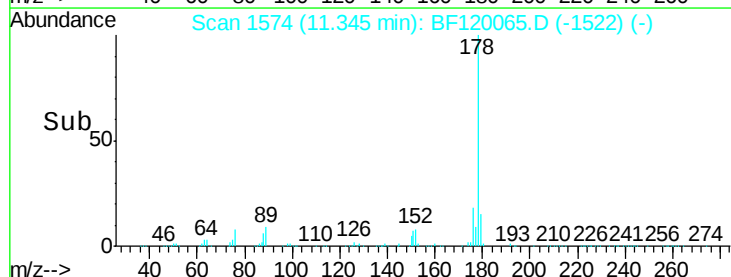
179 16.0 12.8 19.2

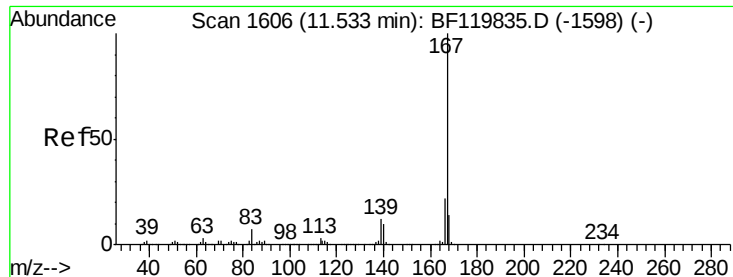


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 5.171 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

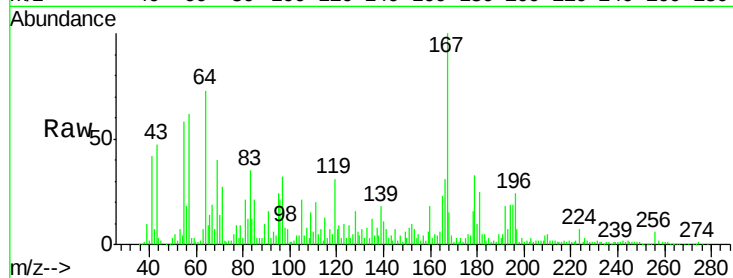
Tot Ion:167 Resp: 112785

Ion Ratio Lower Upper

167 100

166 31.1 17.4 26.0#

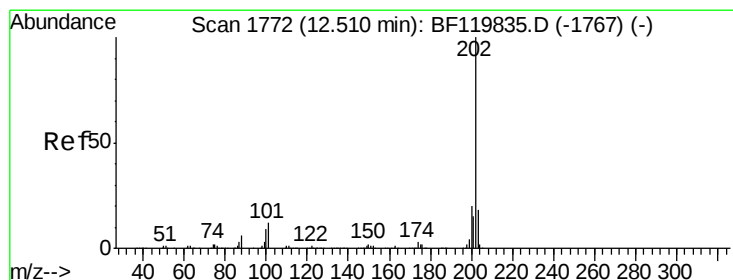
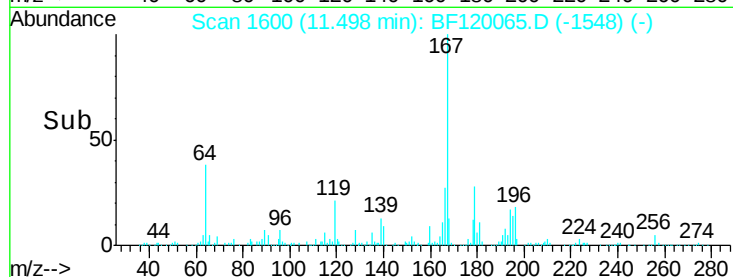
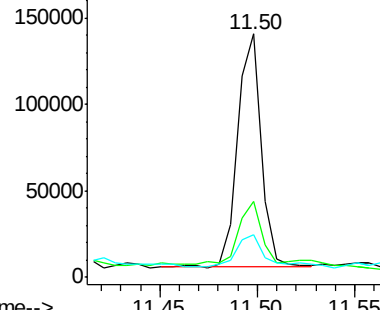
139 17.6 9.8 14.8#



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



#75

Fluoranthene

Concen: 71.809 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

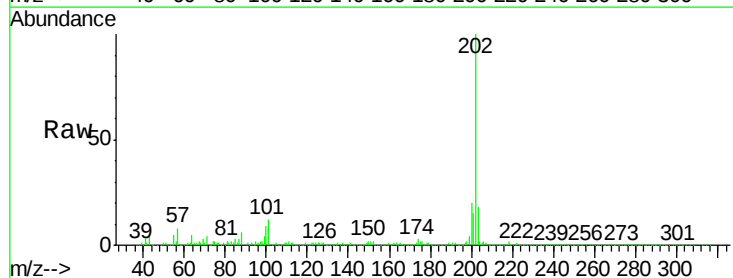
Tgt Ion:202 Resp: 1749397

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.3

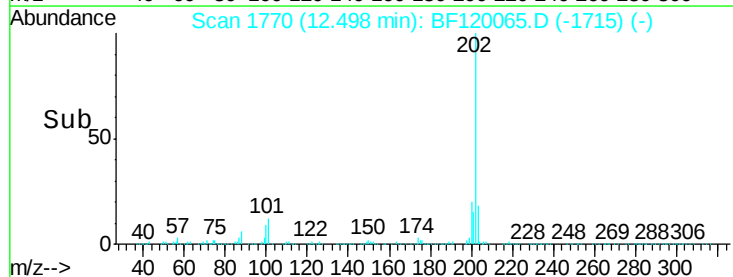
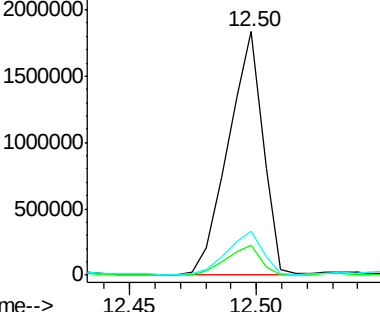
203 18.2 0.0 37.6

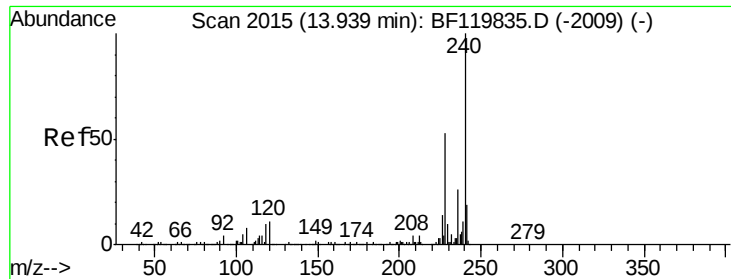


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

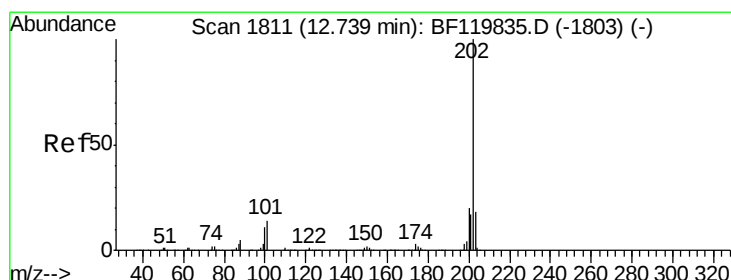
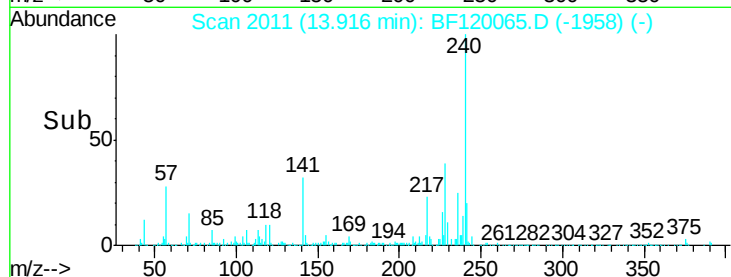
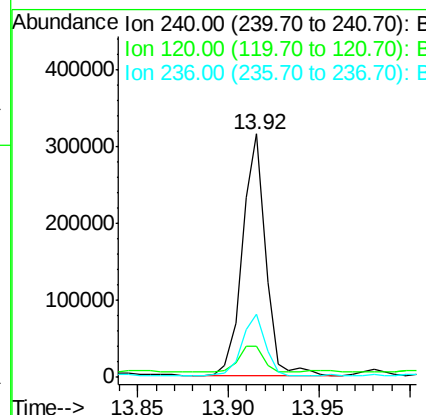
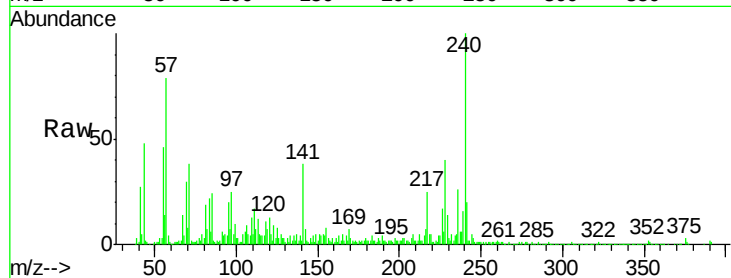




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

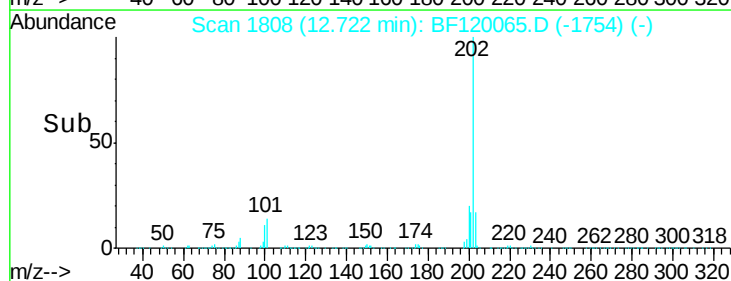
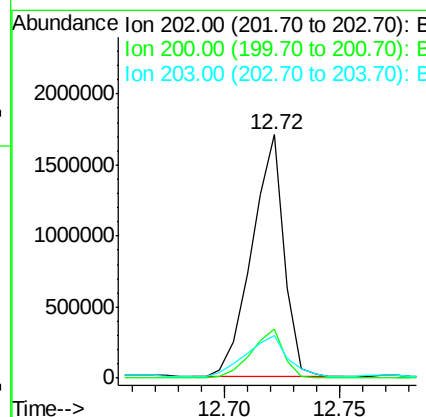
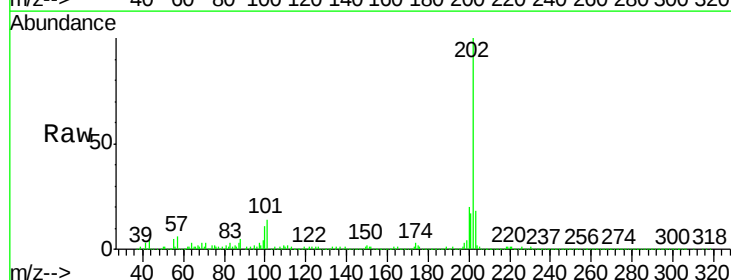
Instrument :
BNA_F
ClientSampleId :

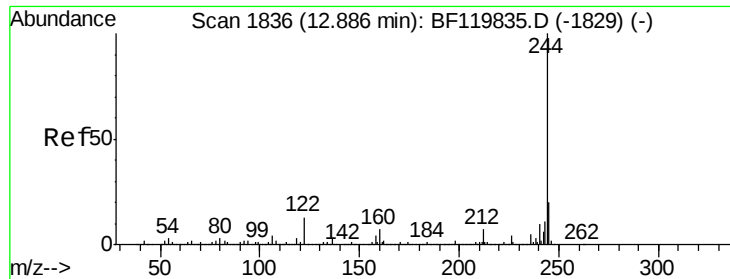
Tot Ion:240 Resp: 277146
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.6
236 25.8 20.7 31.1



#78
Pyrene
Concen: 71.368 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.02 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion:202 Resp: 1667432
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.7 14.1 21.1

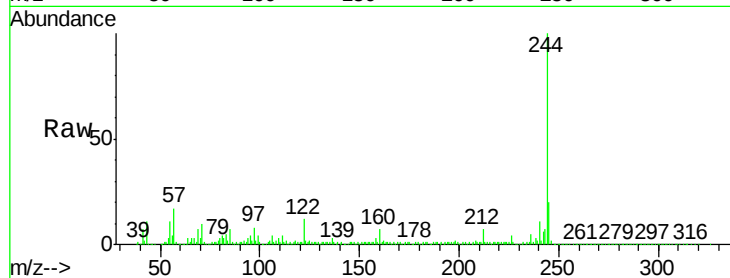




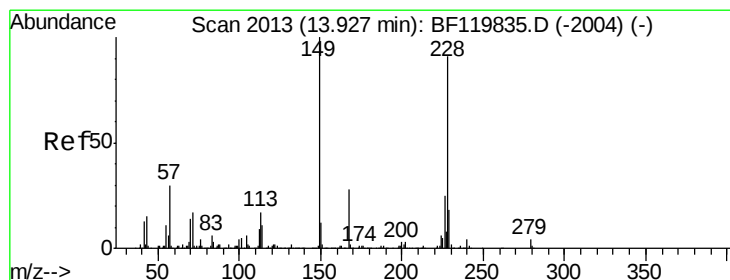
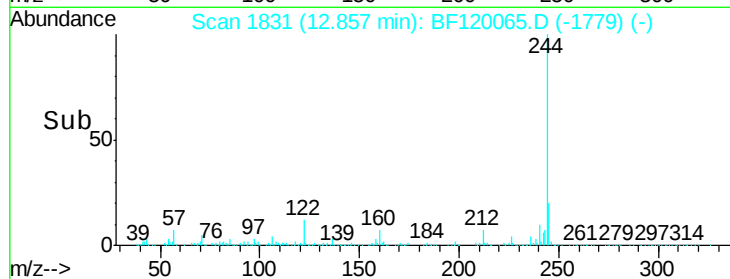
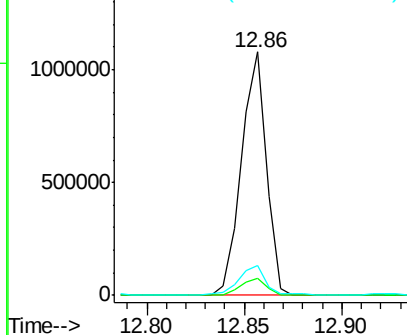
#79
 Terphenyl-d14
 Concen: 57.859 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: BF120065.D
 Acq: 17 Apr 2020 17:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	10.3	15.5

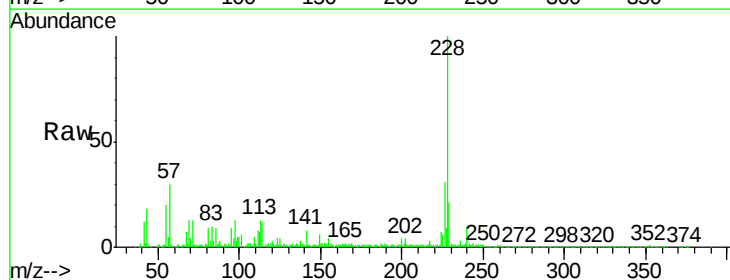


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

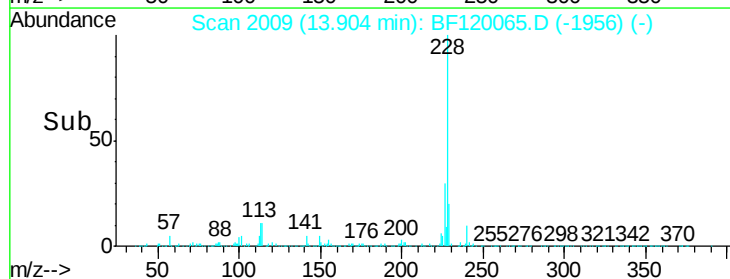
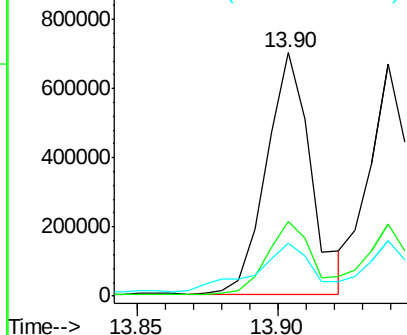


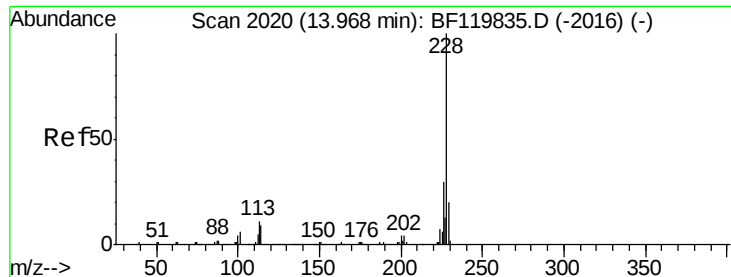
#81
 Benzo(a)anthracene
 Concen: 41.946 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: BF120065.D
 Acq: 17 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.9	32.9
229	21.5	15.9	23.9



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: 33.266 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampled :

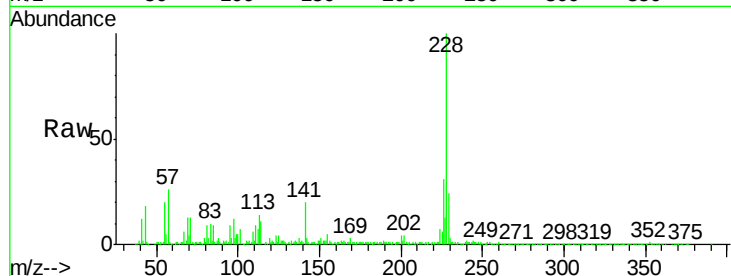
Tot Ion:228 Resp: 616285

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

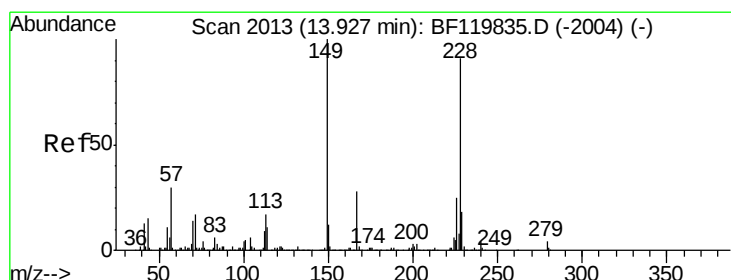
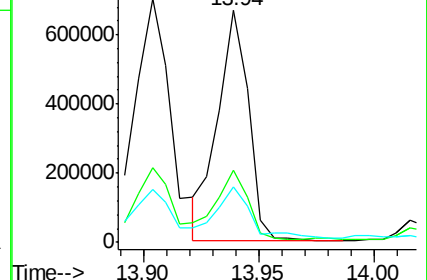
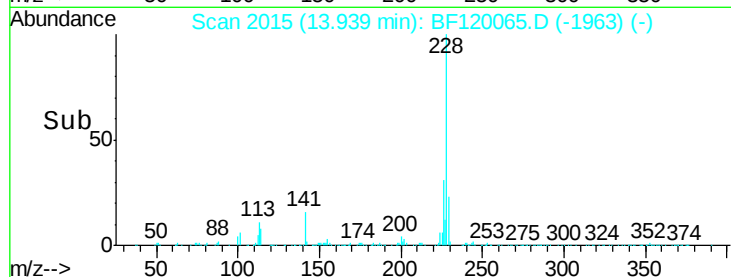
229 23.7 15.9 23.9



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: 5.842 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

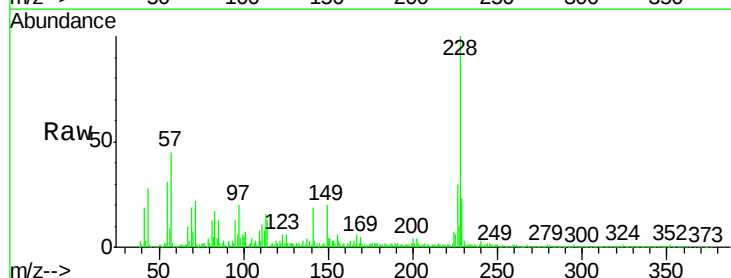
Tgt Ion:149 Resp: 89697

Ion Ratio Lower Upper

149 100

167 31.8 22.2 33.2

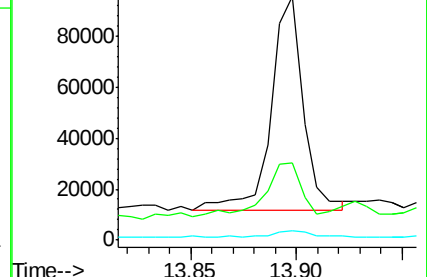
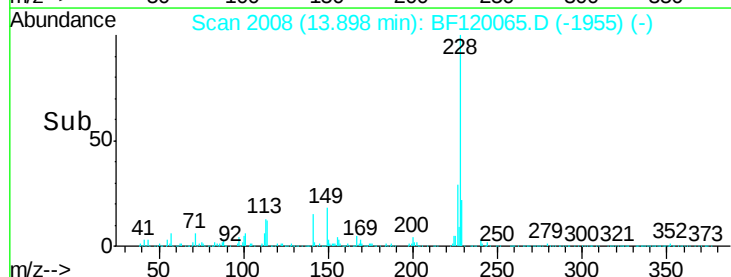
279 3.9 3.4 5.0

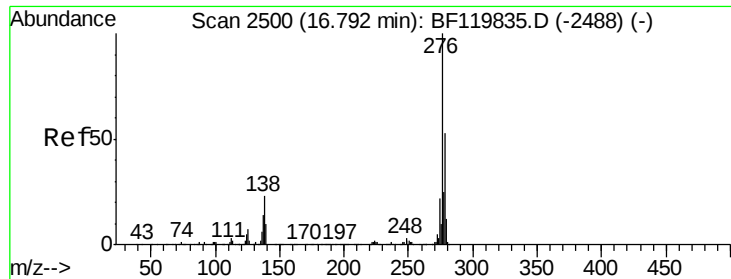


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 11.510 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

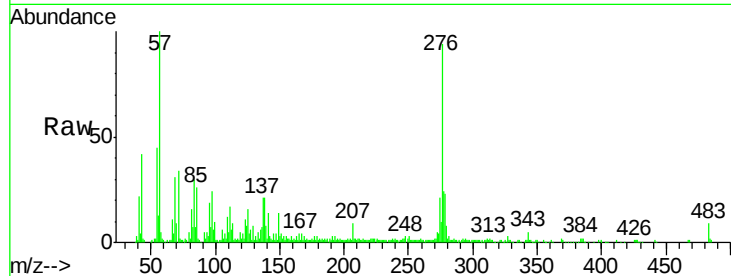
Tot Ion:276 Resp: 187958

Ion Ratio Lower Upper

276 100

138 22.1 18.0 27.0

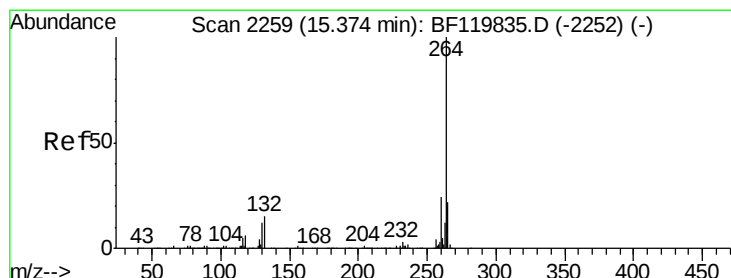
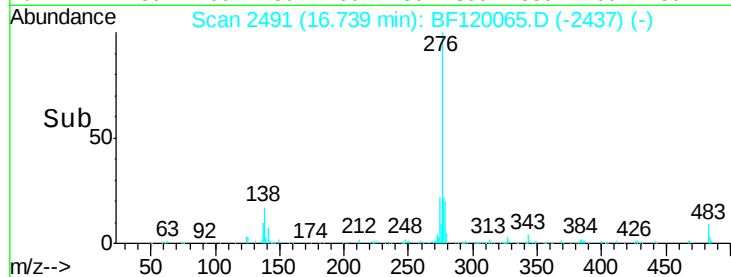
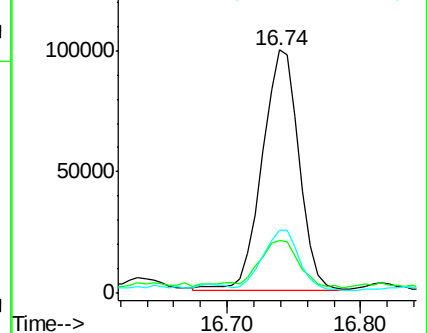
277 24.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.03 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

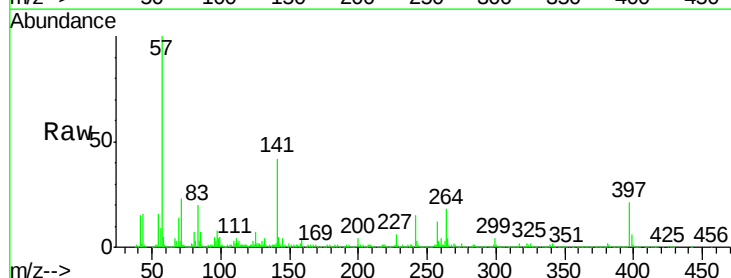
Tgt Ion:264 Resp: 223361

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

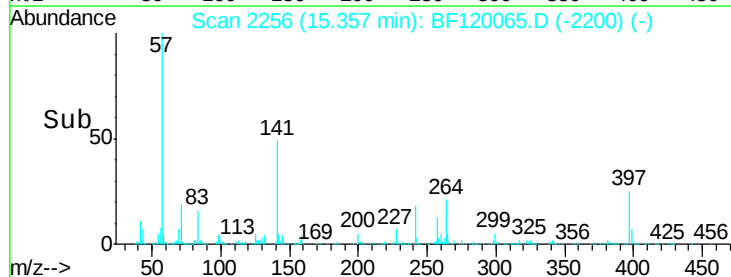
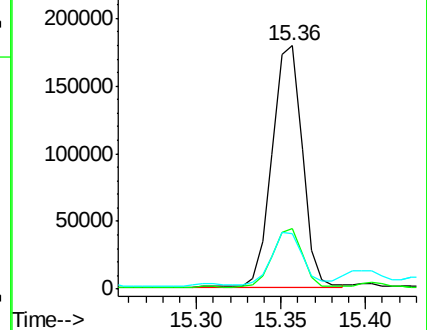
265 22.8 17.6 26.4

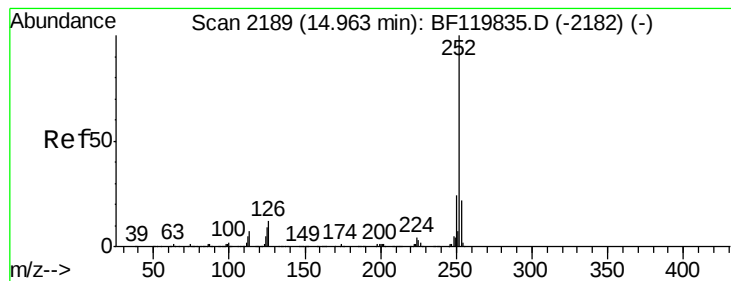


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 48.273 ng

RT: 14.95 min Scan# 2187

Delta R.T. 0.03 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

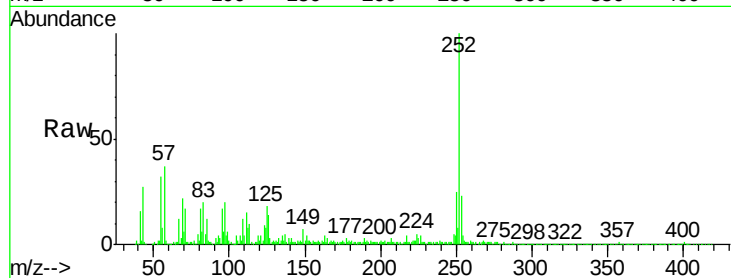
Tot Ion:252 Resp: 775660

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

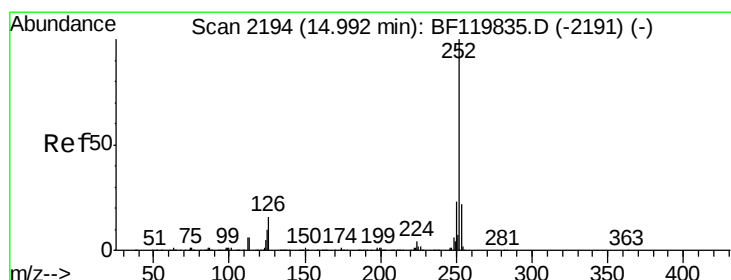
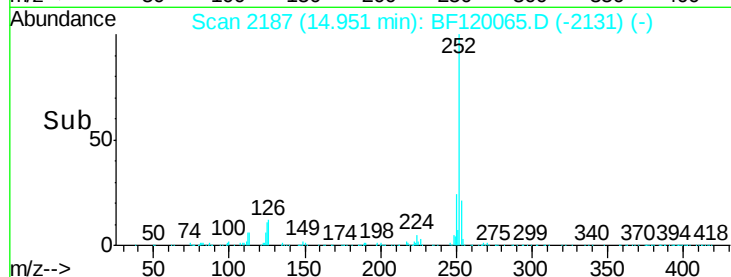
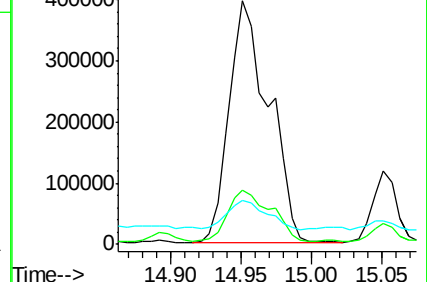
125 17.8 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 55.949 ng

RT: 14.95 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

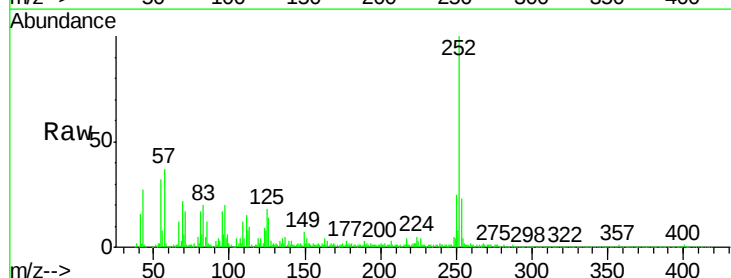
Tgt Ion:252 Resp: 775660

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

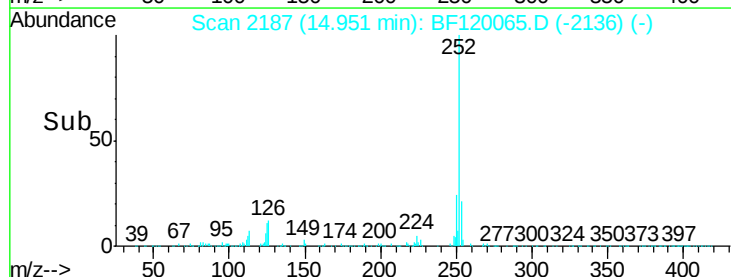
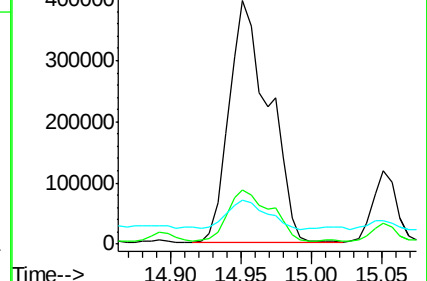
125 17.8 7.7 11.5#

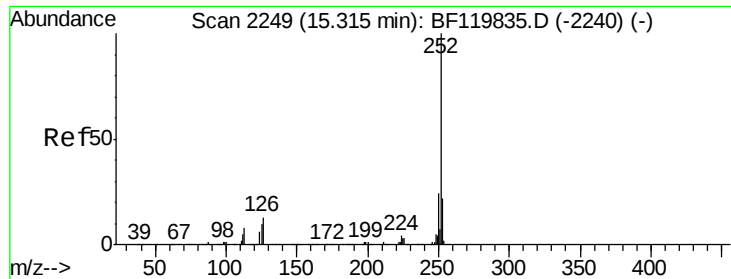


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

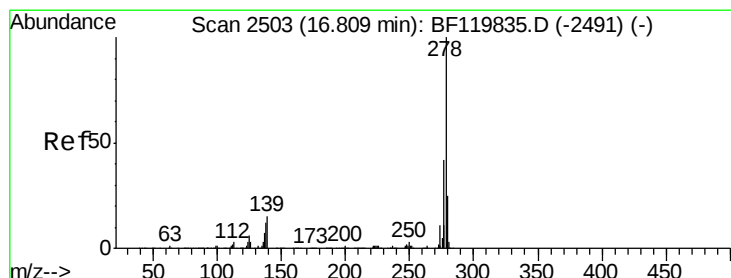
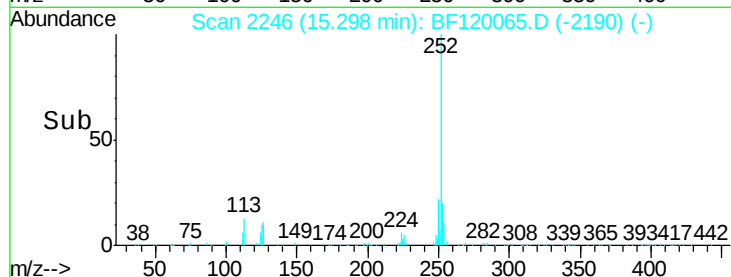
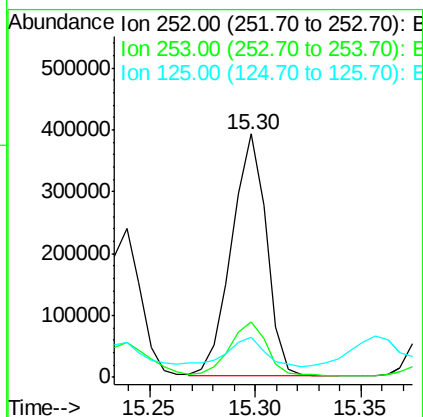
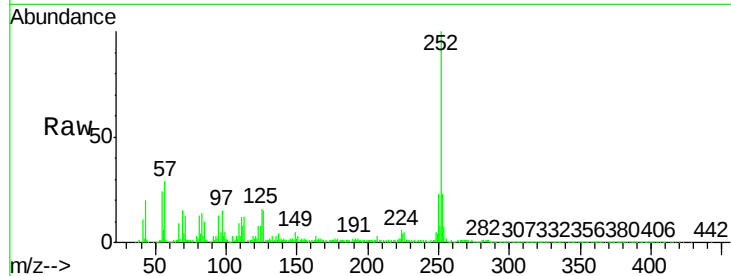




#90
Benzo(a)pyrene
Concen: 32.956 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.03 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

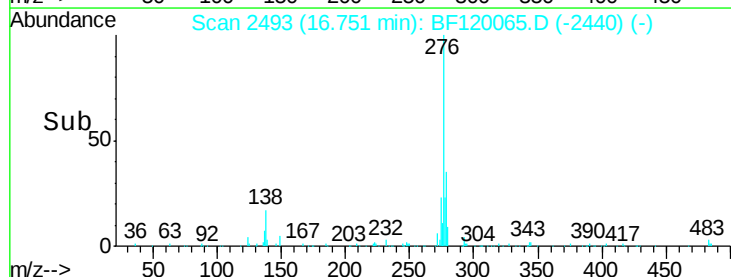
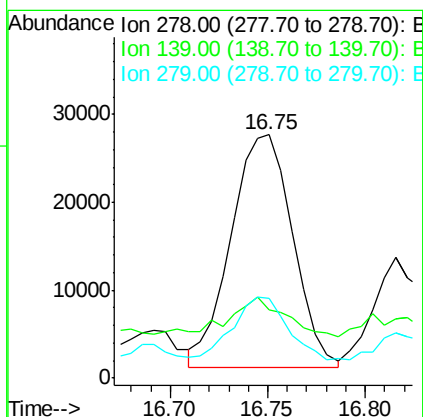
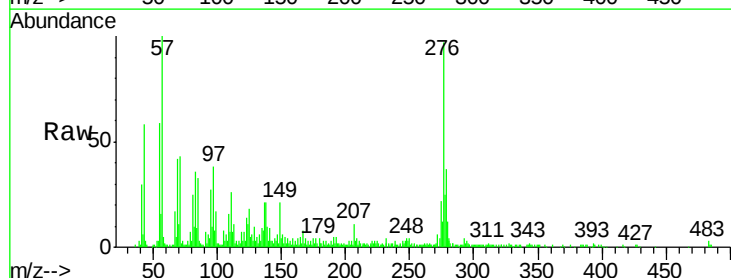
Instrument :
BNA_F
ClientSampleId :

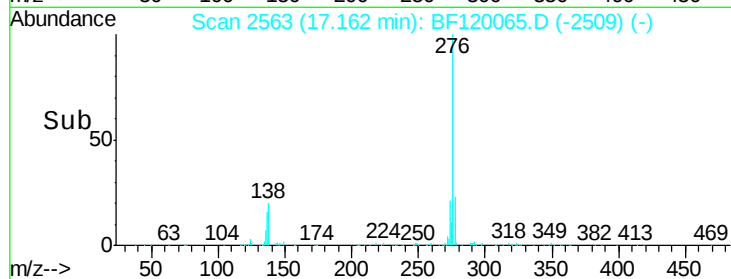
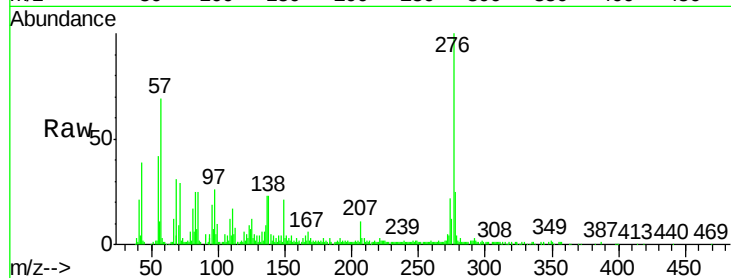
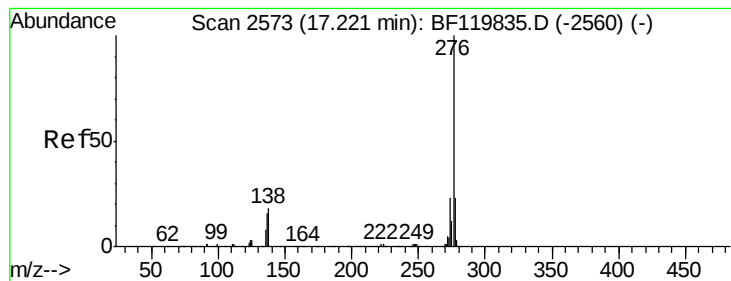
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	16.4	8.3	12.5#



#91
Dibenzo(a,h)anthracene
Concen: 4.834 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF120065.D
Acq: 17 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	11.6	17.4#
279	32.9	19.7	29.5#





#92

Benzo(a,h,i)perylene

Concen: 14.117 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF120065.D

Acq: 17 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 166759

Ion Ratio Lower Upper

276 100

277 24.8 18.5 27.7

138 22.9 14.6 22.0

