

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120330.D
 Acq On : 15 May 2020 19:15
 Operator : MA/SJ
 Sample : L2665-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0375-AMENDED-COMP-MP-A

Quant Time: May 16 04:29:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

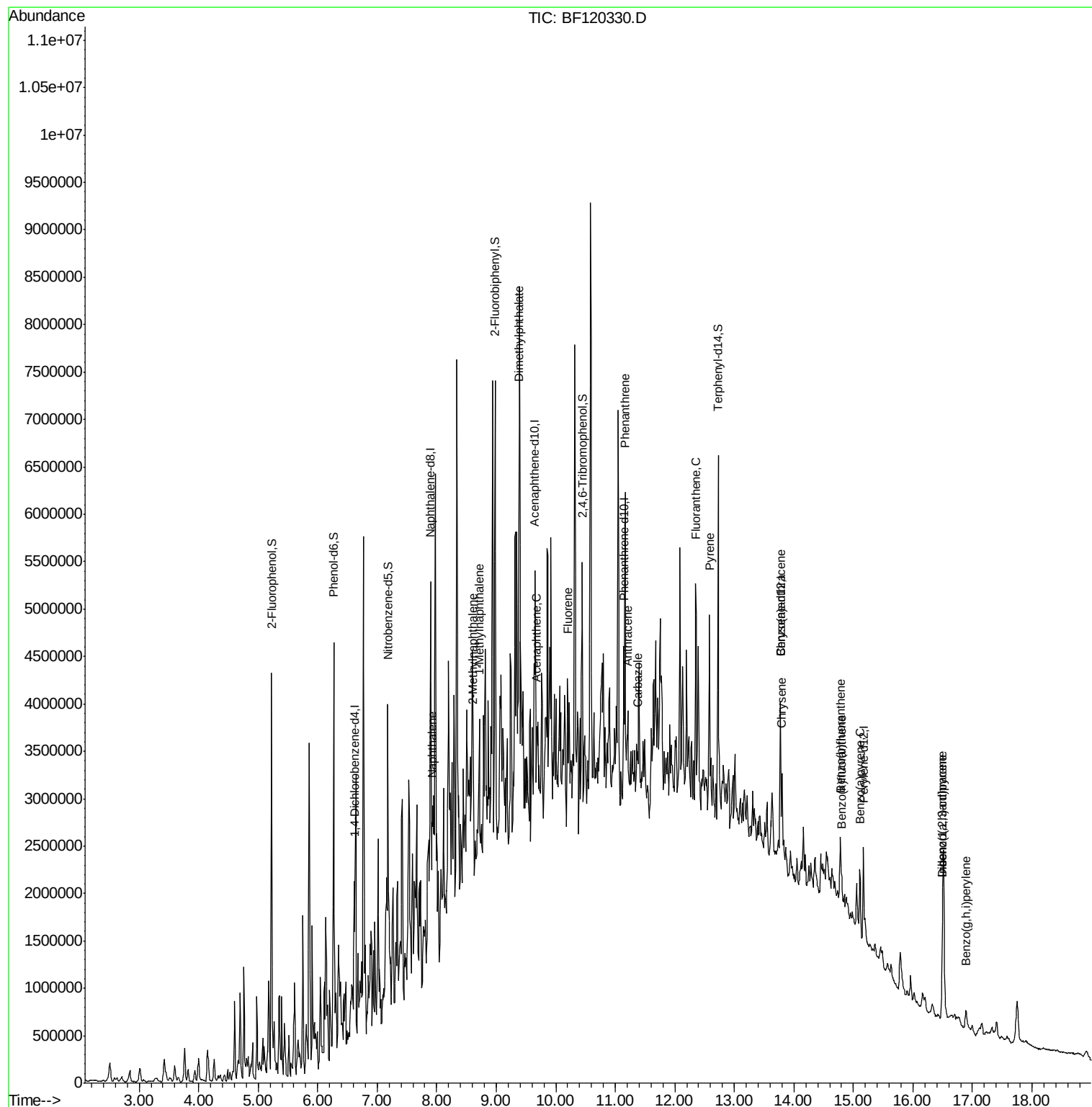
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	273774	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	925132	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	479836	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	814676	20.00	ng	0.00
76) Chrysene-d12	13.77	240	455385	20.00	ng	0.00
87) Perylene-d12	15.17	264	498230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1375099	97.73	ng	0.00
7) Phenol-d6	6.27	99	1731517	97.31	ng	0.00
23) Nitrobenzene-d5	7.18	82	1028803	76.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.45	330	361639	92.44	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	1837607	78.68	ng	0.00
79) Terphenyl-d14	12.73	244	1507243	73.12	ng	0.00
Target Compounds						
31) Naphthalene	7.92	128	249974	6.402	ng	Qvalue # 90
37) 2-Methylnaphthalene	8.62	142	453524	16.974	ng	97
38) 1-Methylnaphthalene	8.72	142	361288	13.941	ng	# 99
50) Dimethylphthalate	9.38	163	329783	10.872	ng	# 97
52) Acenaphthene	9.69	154	102036	4.419	ng	93
58) Fluorene	10.20	166	197863	7.813	ng	# 94
71) Phenanthrene	11.16	178	1258684	36.768	ng	98
72) Anthracene	11.22	178	323262	8.821	ng	96
73) Carbazole	11.37	167	104076	3.039	ng	# 77
75) Fluoranthene	12.35	202	934347	25.465	ng	99
78) Pyrene	12.58	202	969986	29.878	ng	98
81) Benzo(a)anthracene	13.77	228	431280	17.956	ng	# 95
83) Chrysene	13.80	228	447758	17.361	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.49	276	144743	6.183	ng	96
88) Benzo(b)fluoranthene	14.78	252	375337m	13.794	ng	
89) Benzo(k)fluoranthene	14.80	252	103413m	4.387	ng	
90) Benzo(a)pyrene	15.11	252	323715	13.266	ng	# 94
91) Dibenzo(a,h)anthracene	16.49	278	50093	2.317	ng	# 73
92) Benzo(a,h,i)perylene	16.89	276	164017	7.524	ng	98

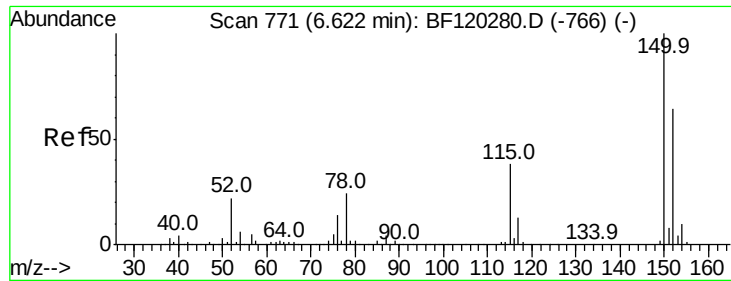
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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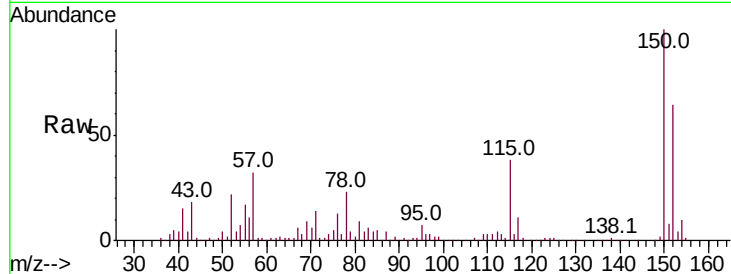


#1

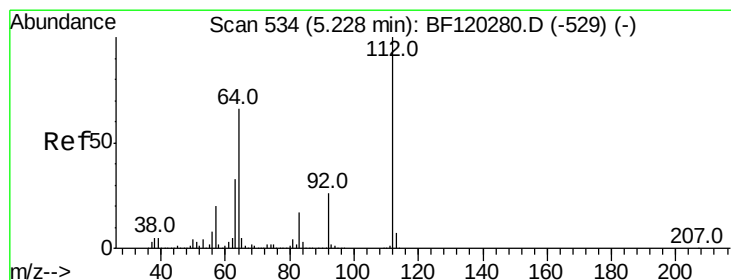
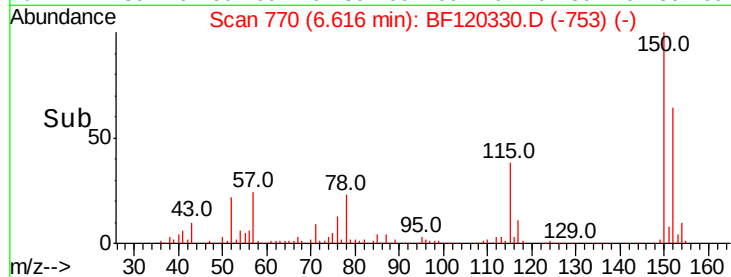
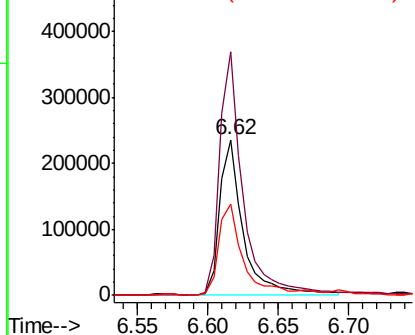
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

Tot Ion:152 Resp: 273774
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 58.8 47.9 71.9



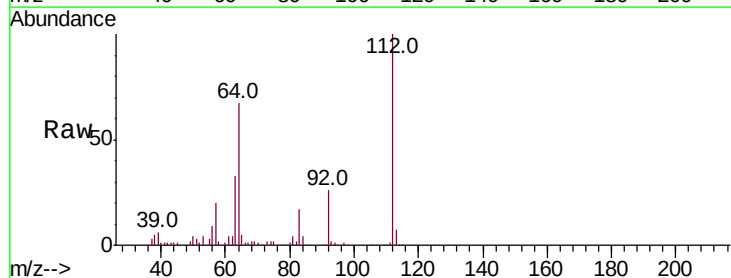
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



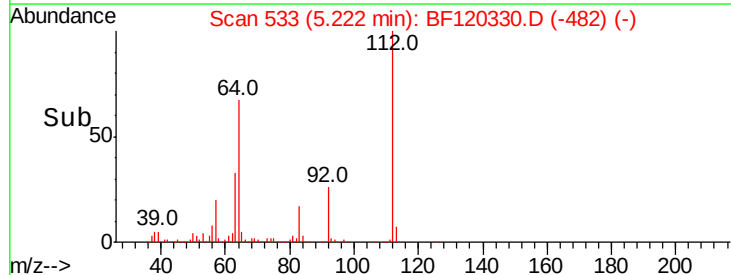
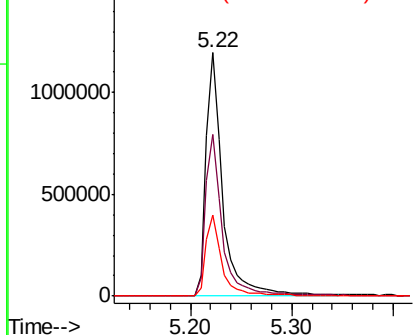
#5

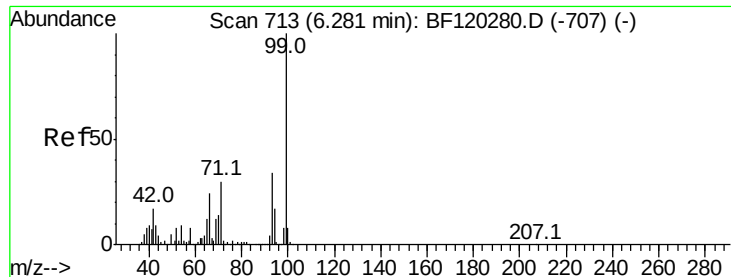
2-Fluorophenol
Concen: 97.728 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion:112 Resp: 1375099
Ion Ratio Lower Upper
112 100
64 66.6 52.7 79.1
63 33.1 26.2 39.4



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: 97.311 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

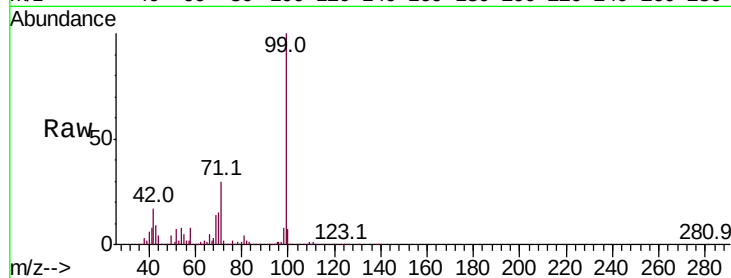
BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

Tot Ion: 99 Resp: 1731517

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.6	20.4
71	30.3	24.2	36.4



Abundance

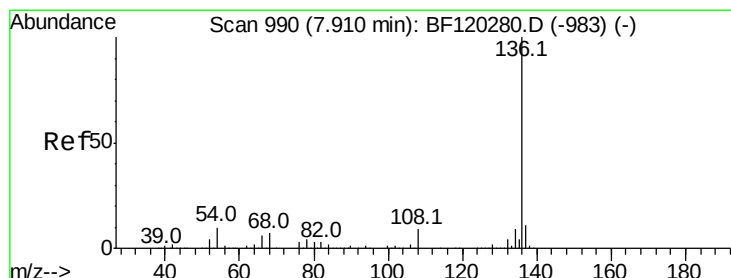
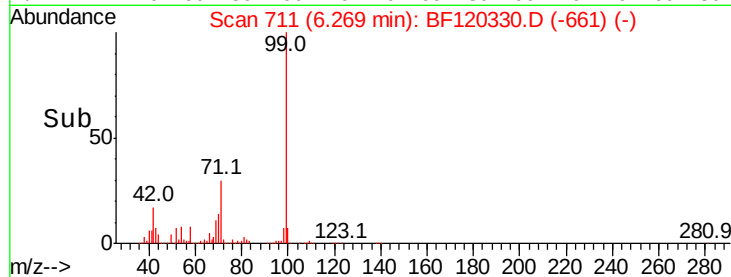
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.27

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 988

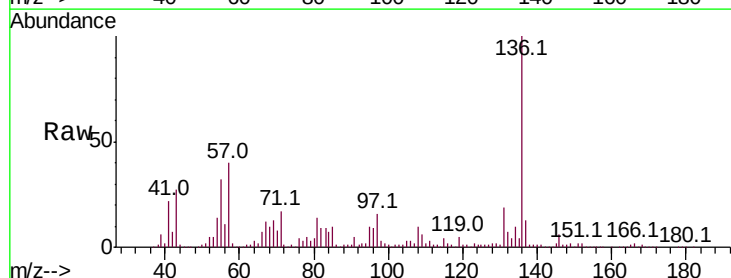
Delta R.T. -0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Tgt Ion: 136 Resp: 925132

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.1	13.7
54	13.8	7.9	11.9#
68	10.4	5.4	8.2#



Abundance

Ion 136.00 (135.70 to 136.70): E

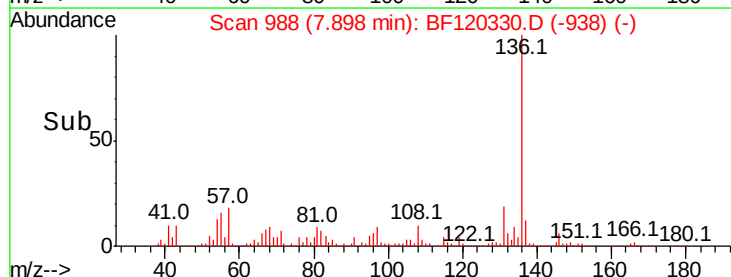
Ion 137.00 (136.70 to 137.70): E

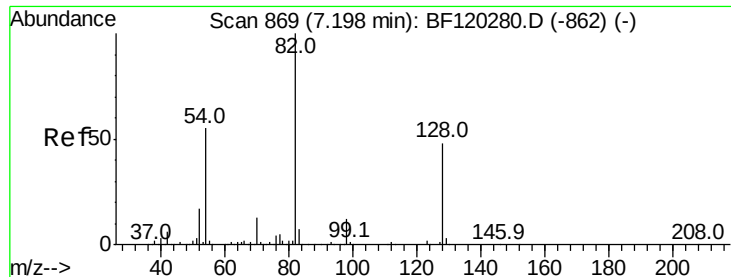
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

7.90

Time-->

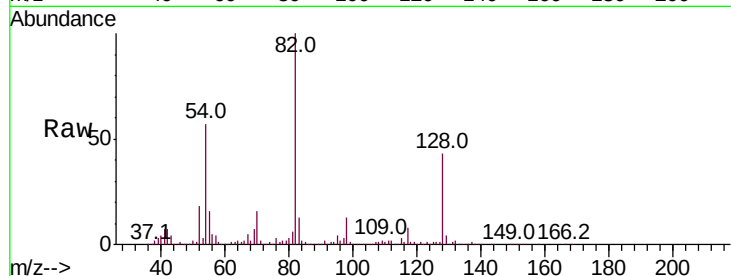




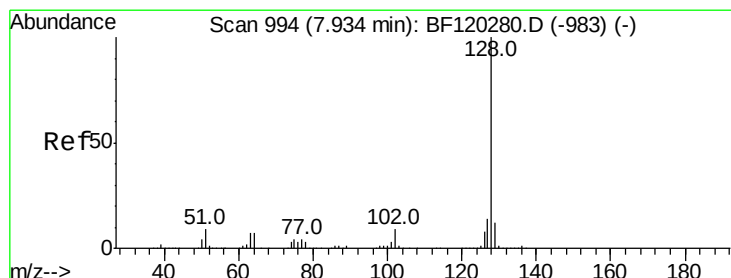
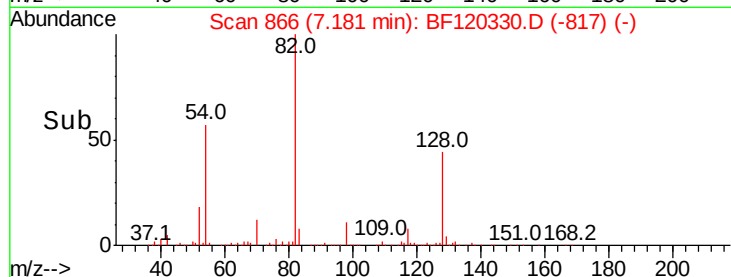
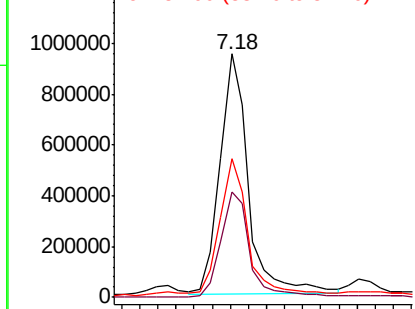
#23
Nitrobenzene-d5
Concen: 76.139 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

Tot Ion: 82 Resp: 1028803
Ion Ratio Lower Upper
82 100
128 43.3 38.3 57.5
54 57.1 43.9 65.9

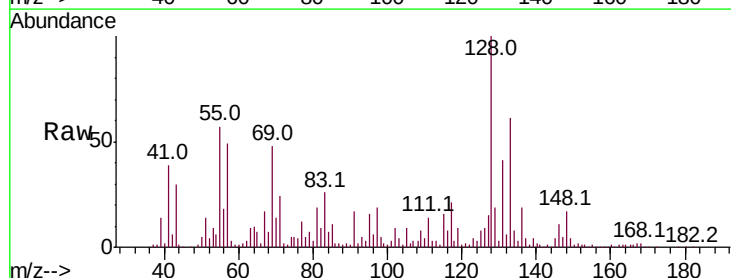


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

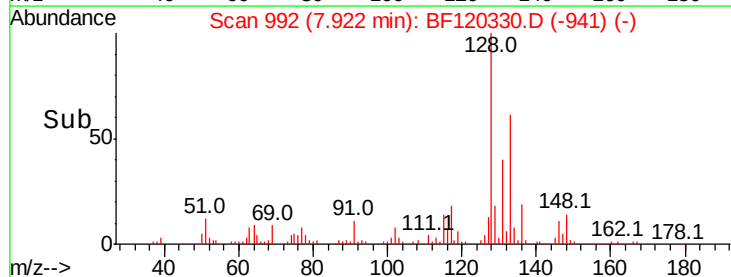
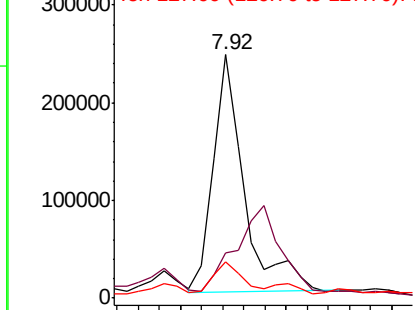


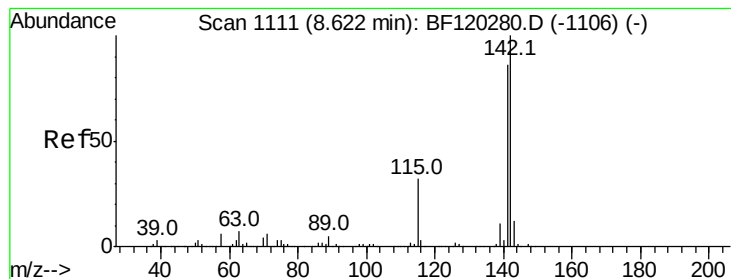
#31
Naphthalene
Concen: 6.402 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion: 128 Resp: 249974
Ion Ratio Lower Upper
128 100
129 18.6 9.3 13.9#
127 15.1 11.2 16.8



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

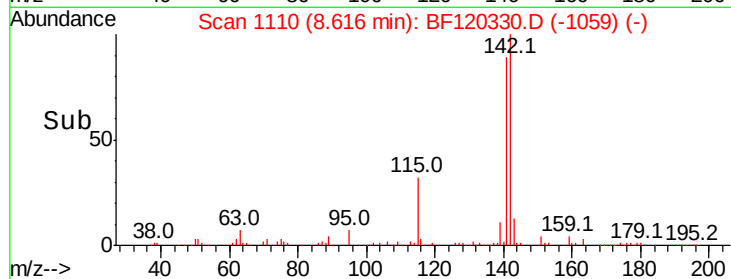
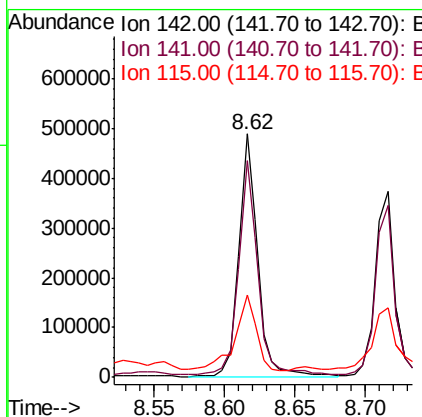
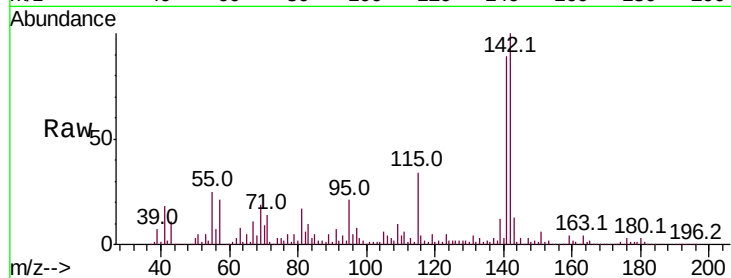




#37
 2-Methylnaphthalene
 Concen: 16.974 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF120330.D
 Acq: 15 May 2020 19:15

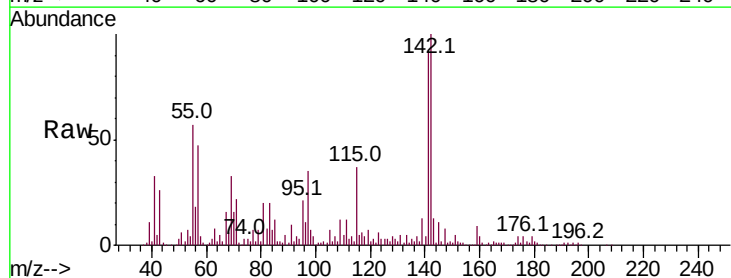
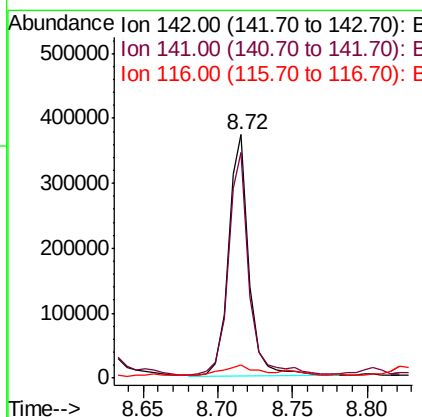
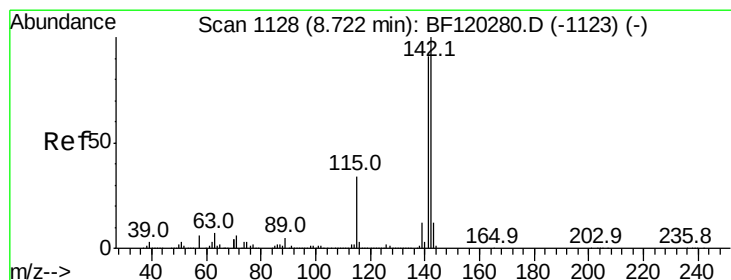
Instrument :
 BNA_F
 ClientSampleId :
 0375-AMENDED-COMP-MP-A

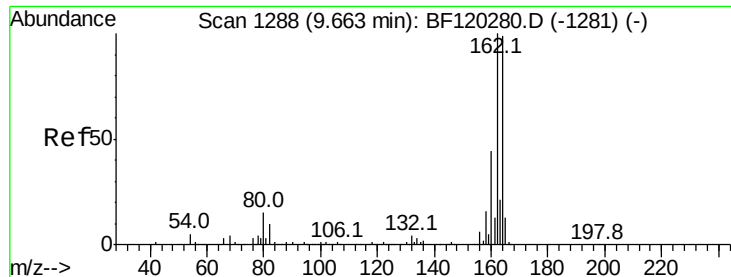
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	68.8	103.2
115	33.9	25.7	38.5



#38
 1-Methylnaphthalene
 Concen: 13.941 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF120330.D
 Acq: 15 May 2020 19:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.0	109.6
116	5.3	2.7	4.1#

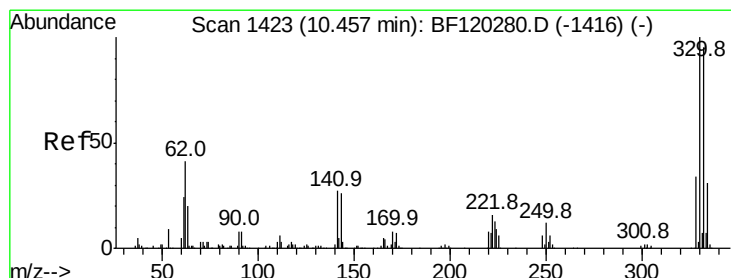
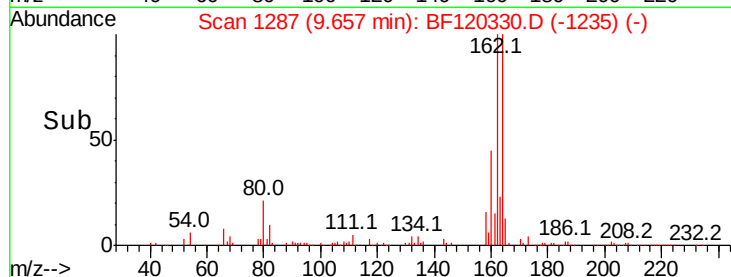
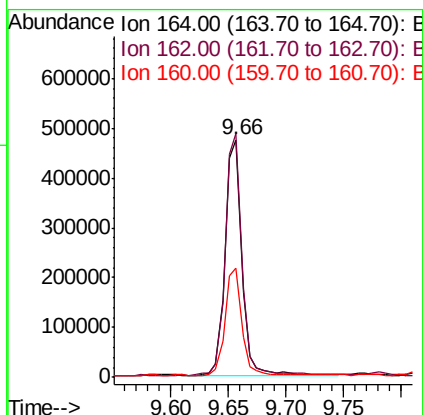
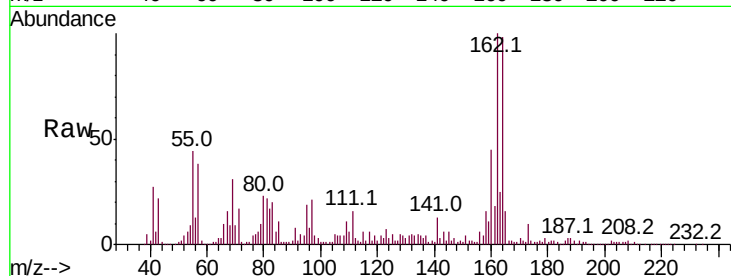




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

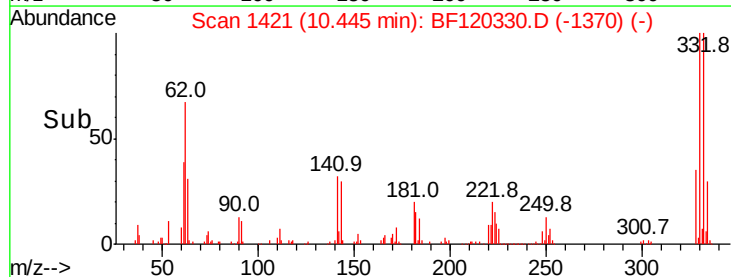
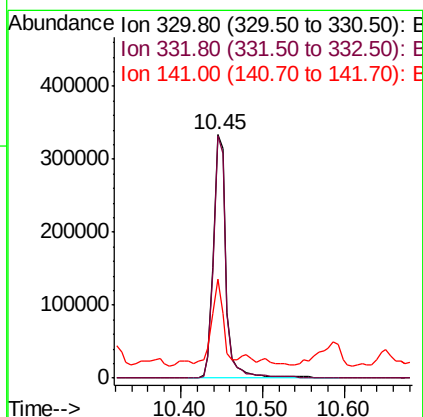
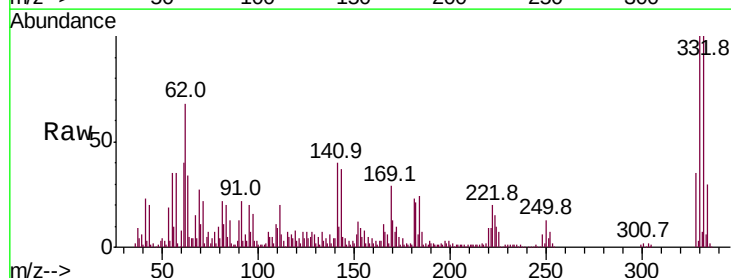
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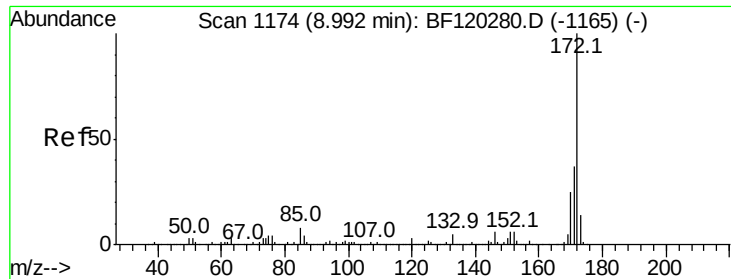
Tot Ion:164 Resp: 479836
Ion Ratio Lower Upper
164 100
162 102.4 81.2 121.8
160 45.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 92.436 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion:330 Resp: 361639
Ion Ratio Lower Upper
330 100
332 97.6 76.5 114.7
141 29.4 25.4 38.0



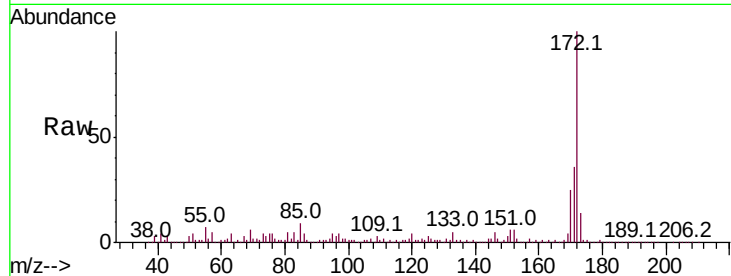


#45
 2-Fluorobiphenyl
 Concen: 78.679 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF120330.D
 Acq: 15 May 2020 19:15

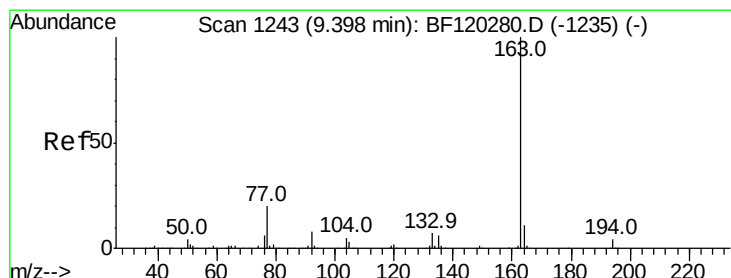
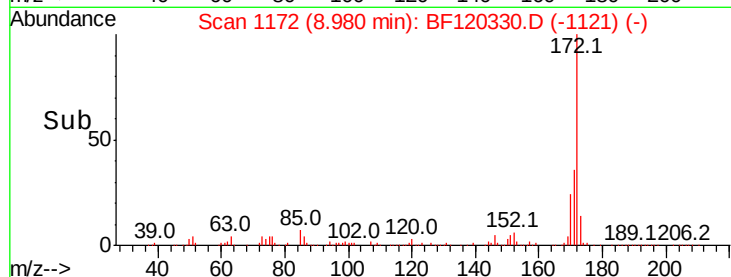
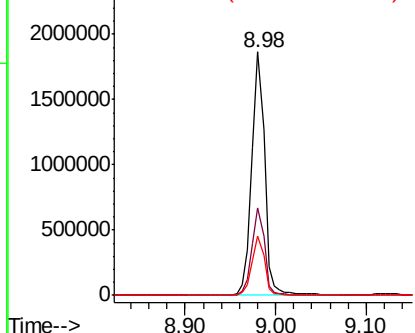
Instrument :
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 0375-AMENDED-COMP-MP-A

Tot Ion:172 Resp: 1837607

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.5	19.9	29.9



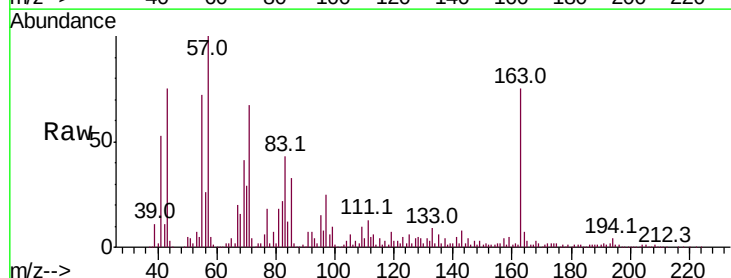
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



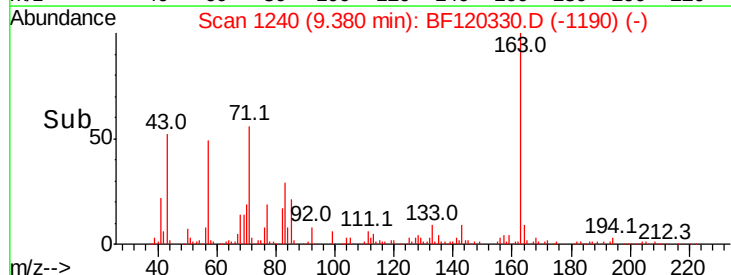
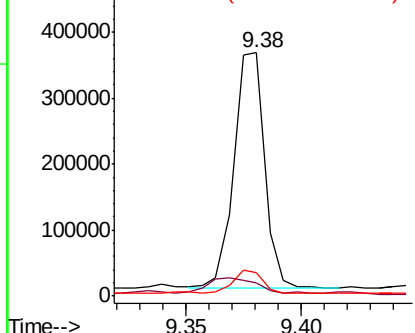
#50
 Dimethylphthalate
 Concen: 10.872 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF120330.D
 Acq: 15 May 2020 19:15

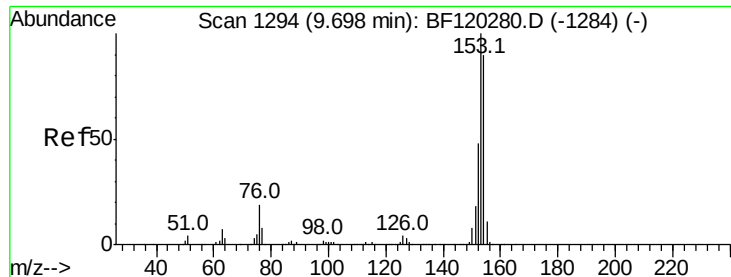
Tgt Ion:163 Resp: 329783

Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.1	4.7#
164	9.8	8.6	12.8



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: 4.419 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

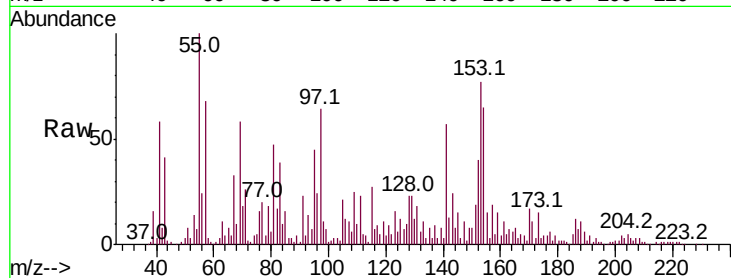
Tot Ion:154 Resp: 102036

Ion Ratio Lower Upper

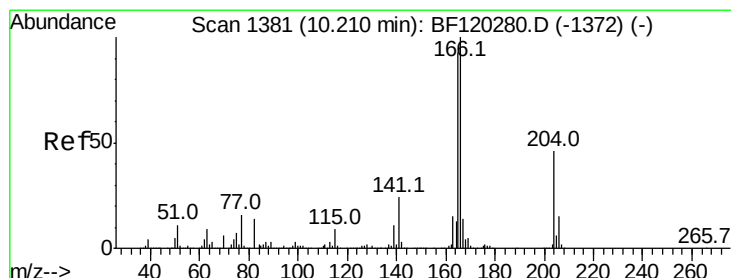
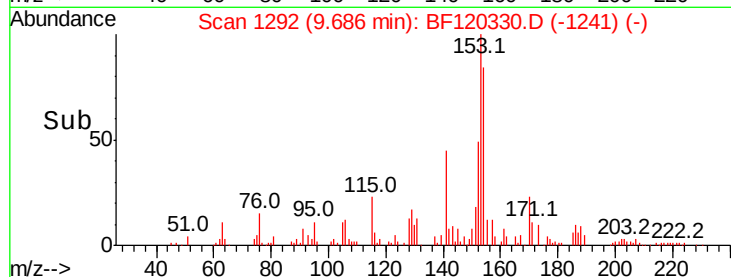
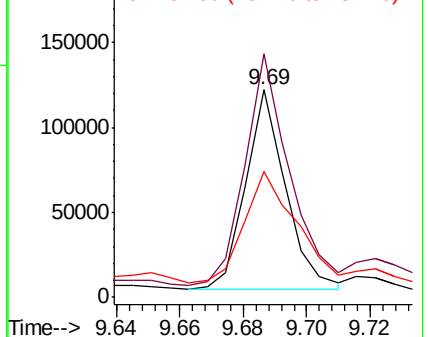
154 100

153 117.5 89.0 133.4

152 60.9 42.6 64.0



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



#58

Fluorene

Concen: 7.813 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

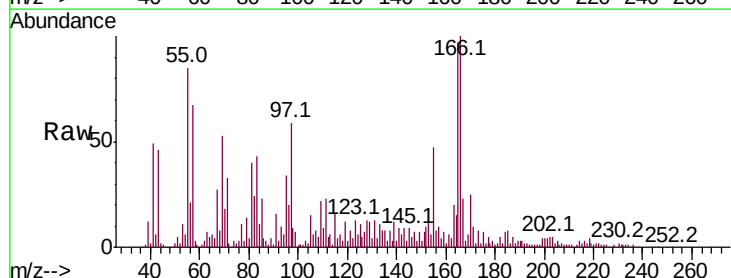
Tgt Ion:166 Resp: 197863

Ion Ratio Lower Upper

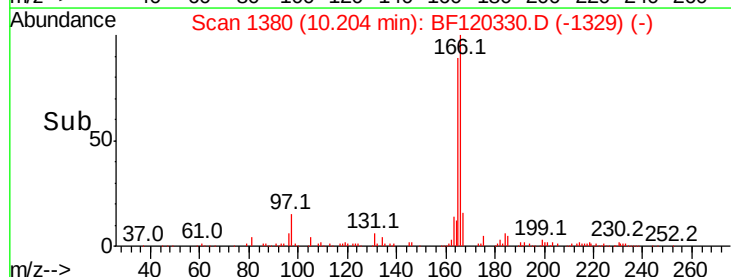
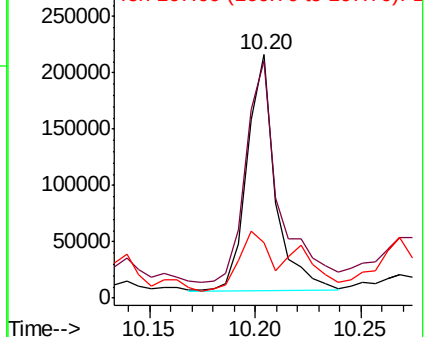
166 100

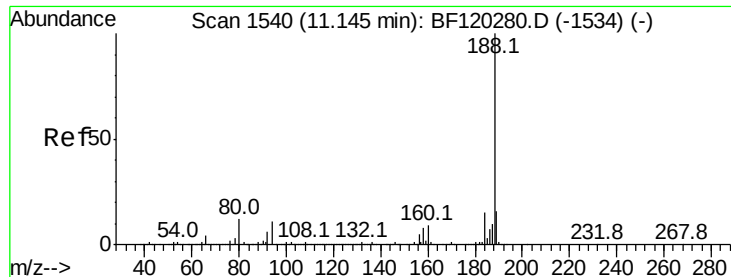
165 97.2 74.7 112.1

167 22.6 11.4 17.0#



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: 11.14 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

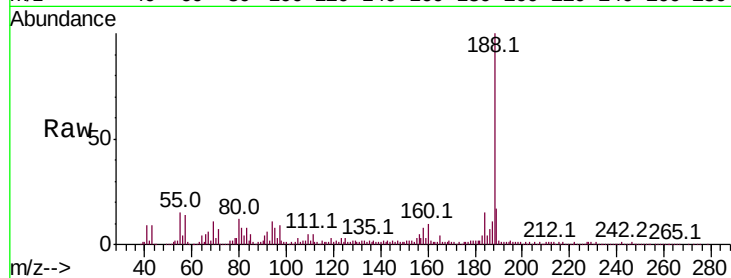
Tot Ion:188 Resp: 814676

Ion Ratio Lower Upper

188 100

94 10.9 8.6 13.0

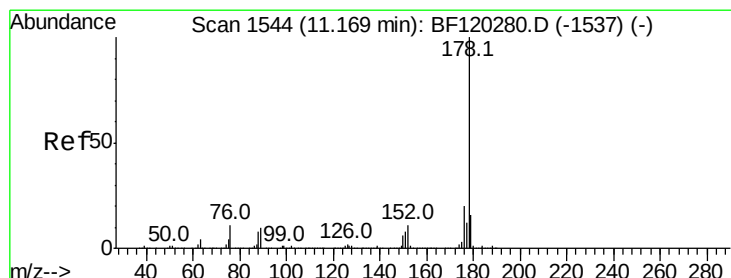
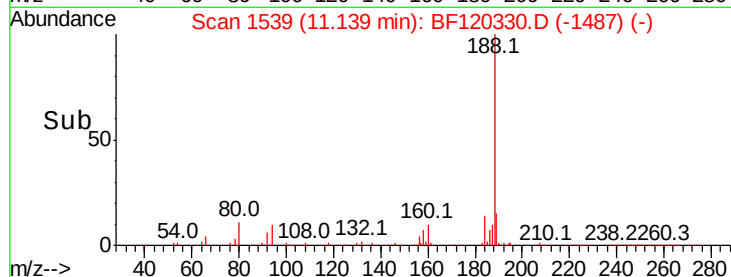
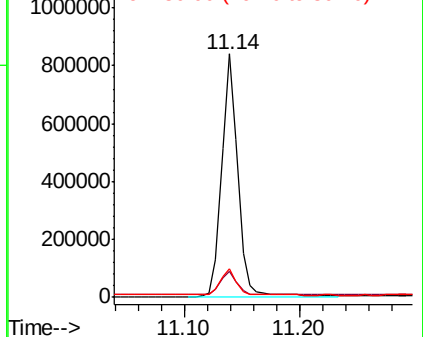
80 11.9 9.2 13.8



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



#71

Phenanthrene

Concen: 36.768 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

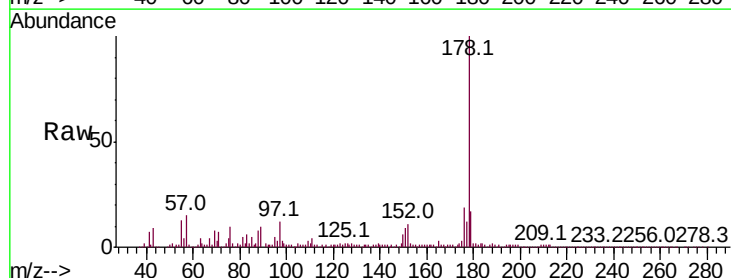
Tgt Ion:178 Resp: 1258684

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

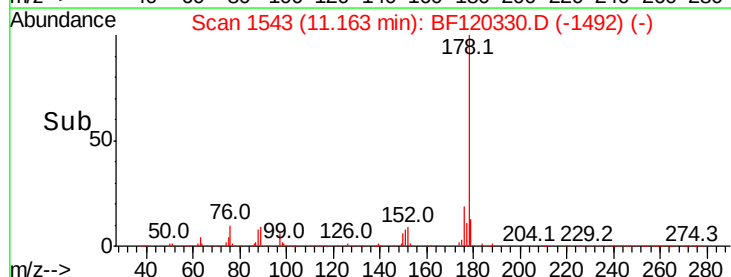
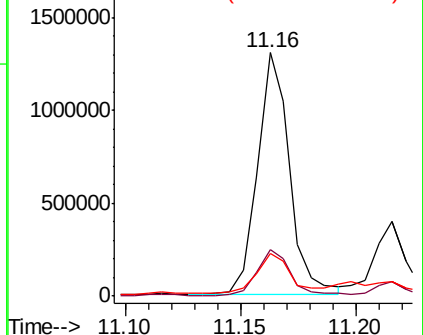
179 17.4 12.8 19.2

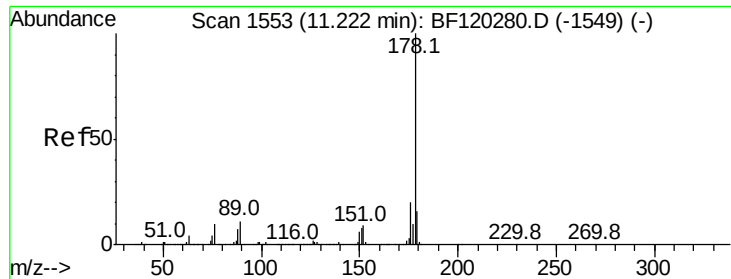


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 8.821 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

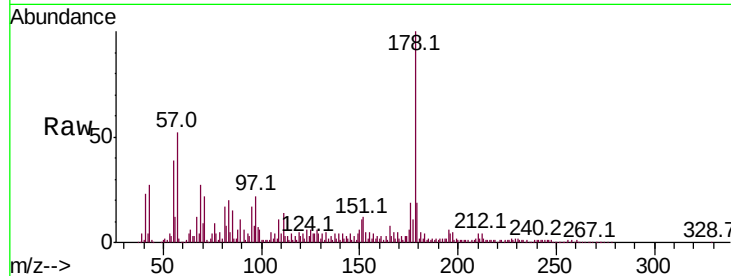
Tot Ion:178 Resp: 323262

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

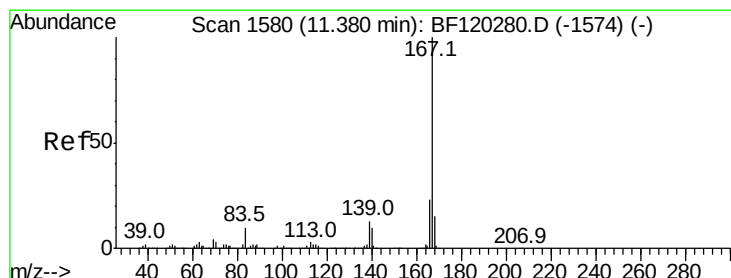
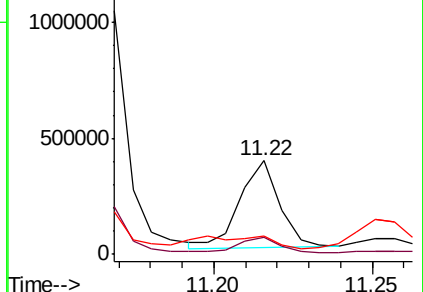
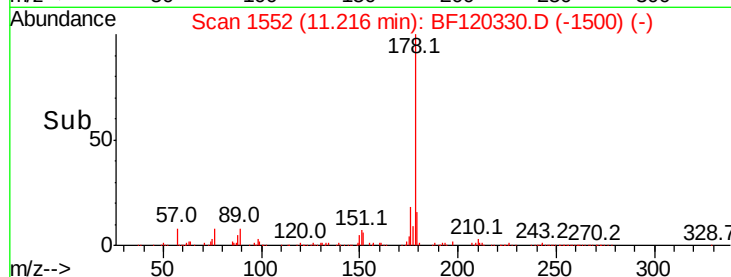
179 19.2 13.0 19.6



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: 3.039 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

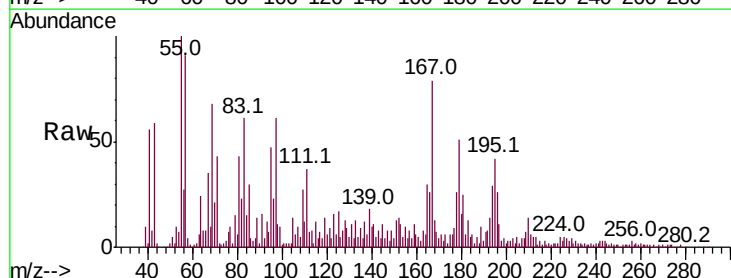
Tgt Ion:167 Resp: 104076

Ion Ratio Lower Upper

167 100

166 33.2 18.1 27.1#

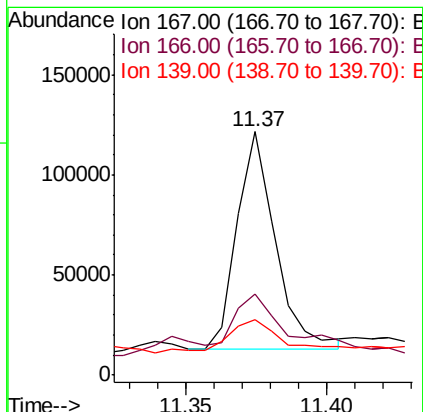
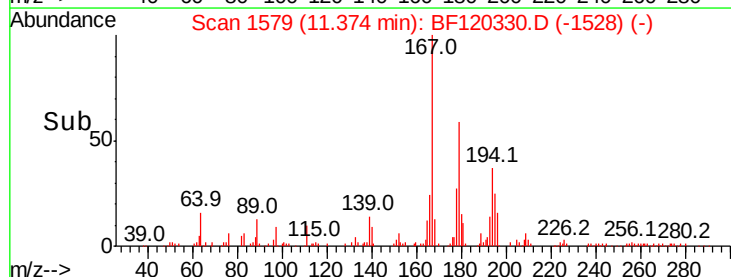
139 22.7 10.6 15.8#

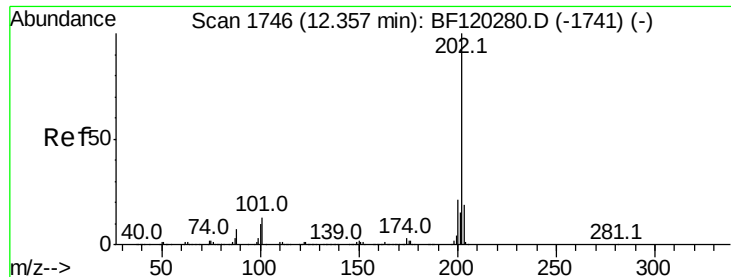


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 25.465 ng

RT: 12.35 min Scan# 1745

Delta R.T. 0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

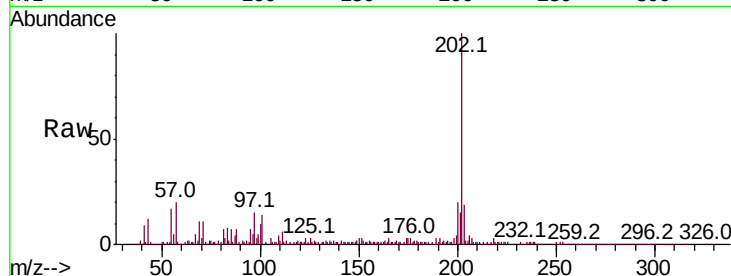
Tot Ion:202 Resp: 934347

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

203 19.1 0.0 39.1

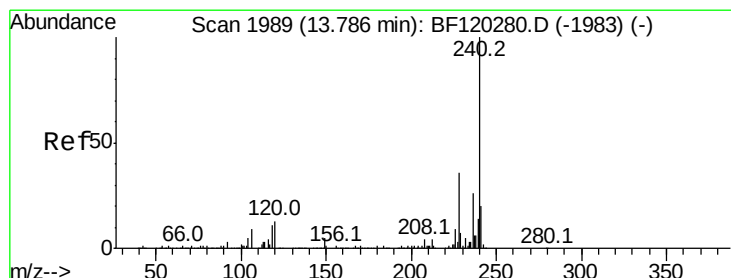
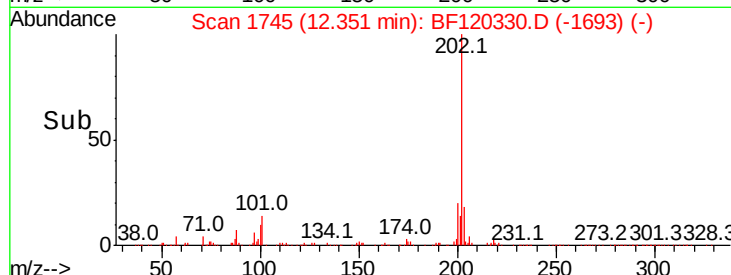
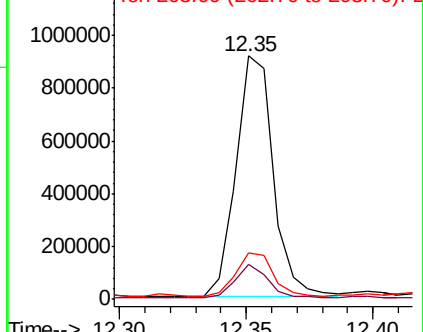


Abundance

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: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

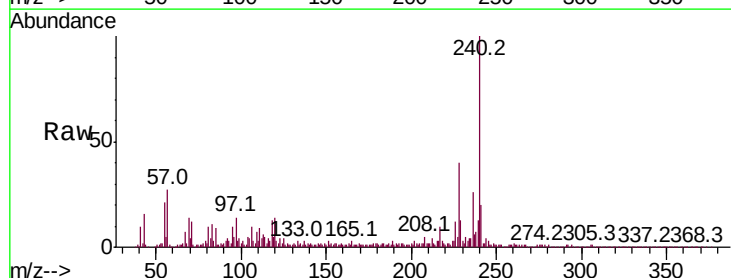
Tgt Ion:240 Resp: 455385

Ion Ratio Lower Upper

240 100

120 14.3 10.4 15.6

236 26.2 21.0 31.6

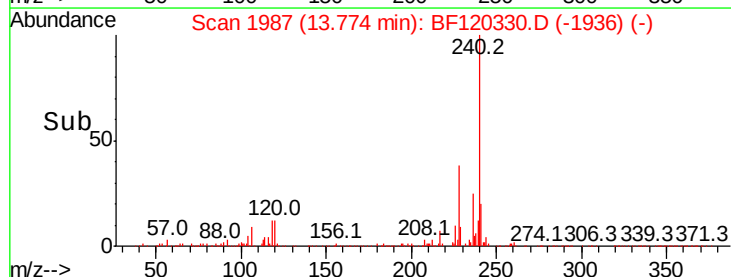
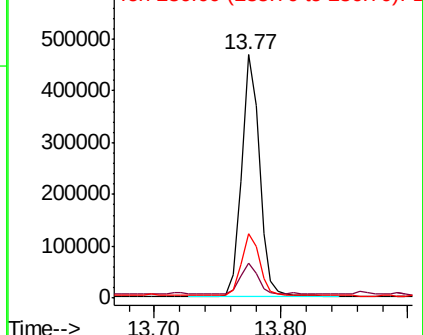


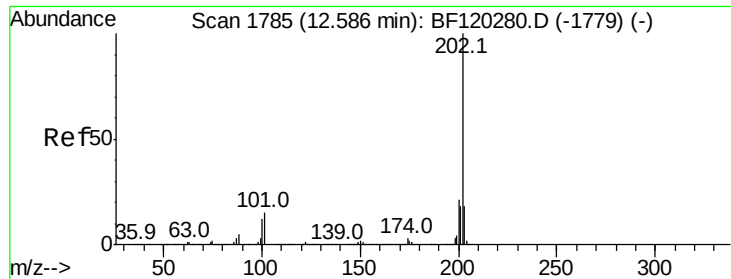
Abundance

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

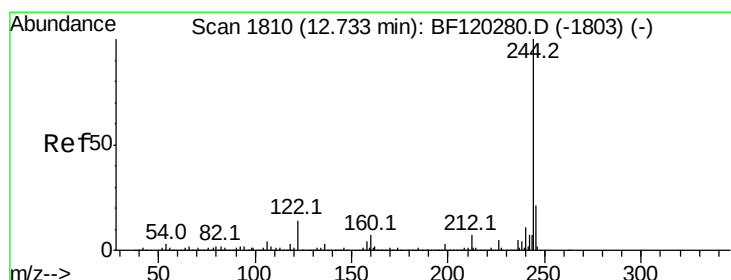
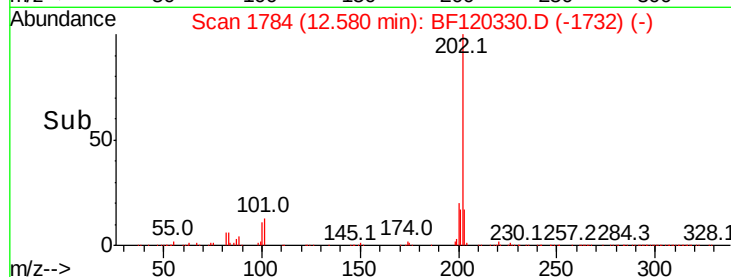
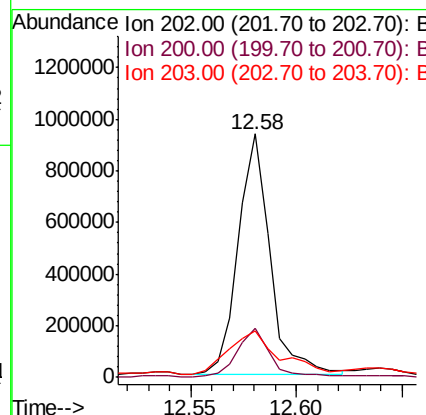
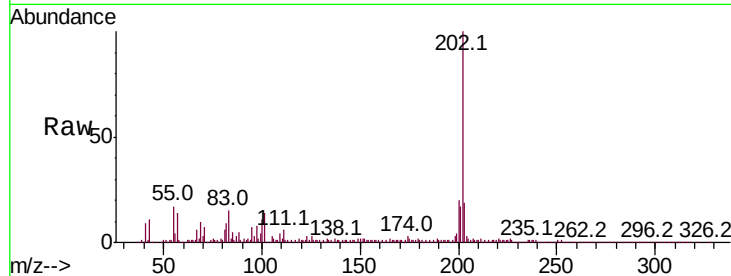




#78
Pvrene
Concen: 29.878 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

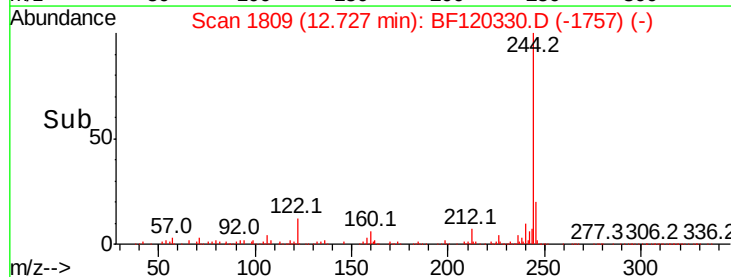
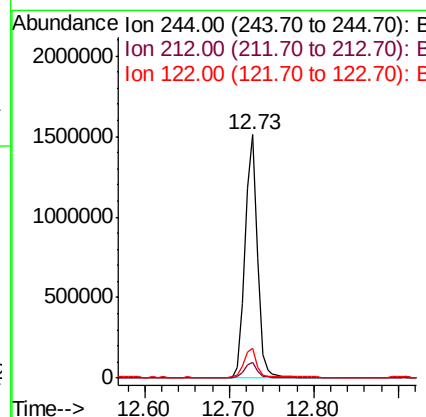
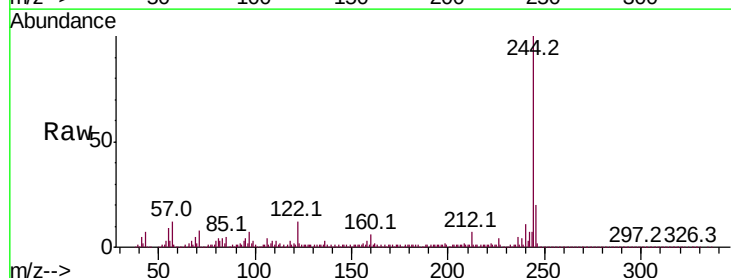
Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

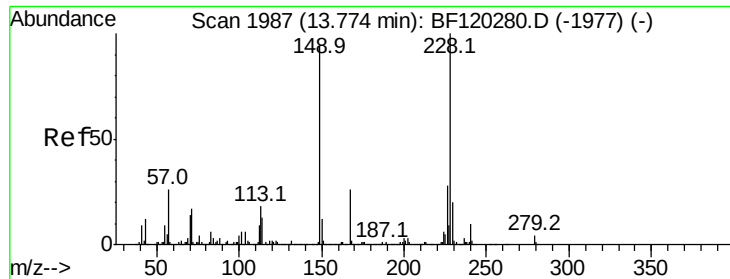
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	25.0
203	19.0	14.6	22.0



#79
Terphenyl-d14
Concen: 73.121 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.0	10.8	16.2





#81

Benzo(a)anthracene

Concen: 17.956 ng

RT: 13.77 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

Instrument :

BNA_F

ClientSampleId :

0375-AMENDED-COMP-MP-A

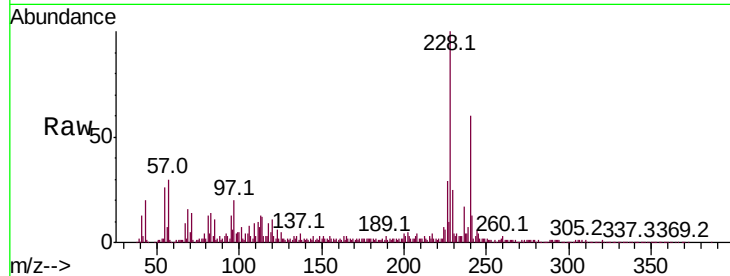
Tot Ion:228 Resp: 431280

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

229 25.1 16.4 24.6#

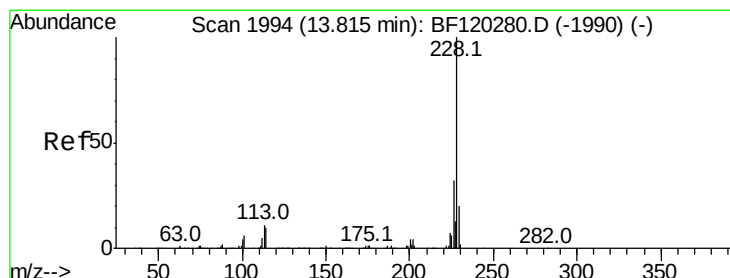
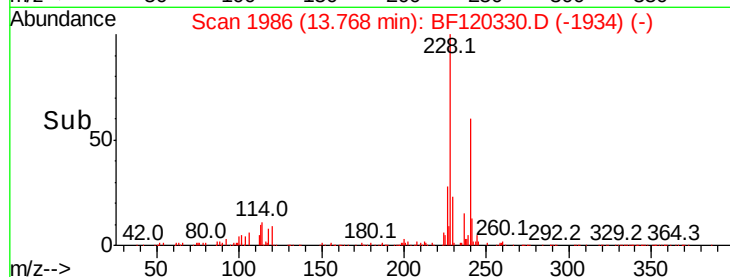
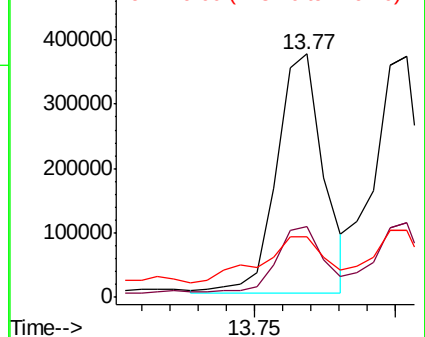


Abundance

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: 17.361 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BF120330.D

Acq: 15 May 2020 19:15

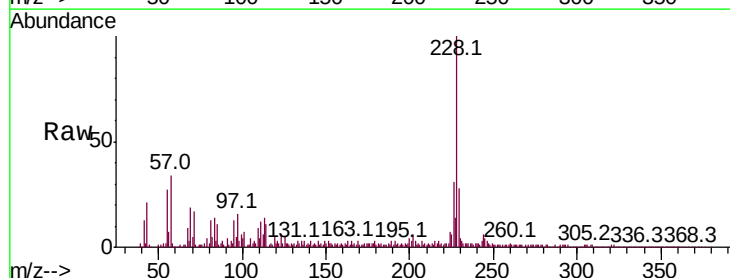
Tgt Ion:228 Resp: 447758

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

229 27.6 16.2 24.4#

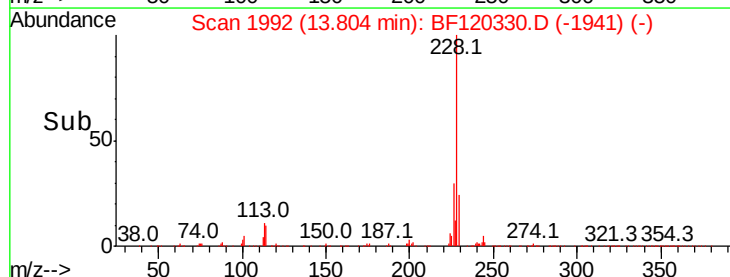
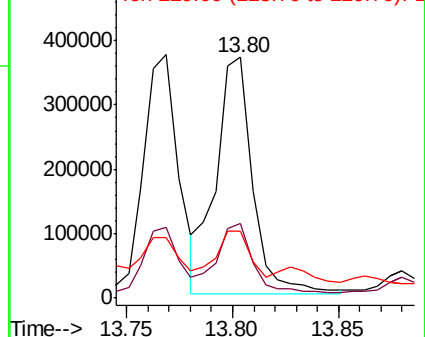


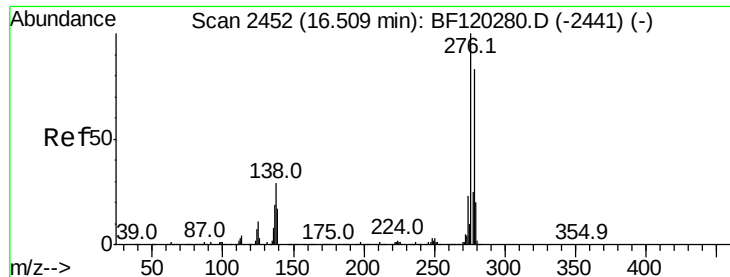
Abundance

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

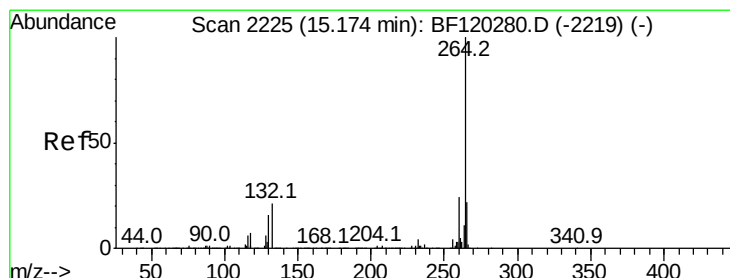
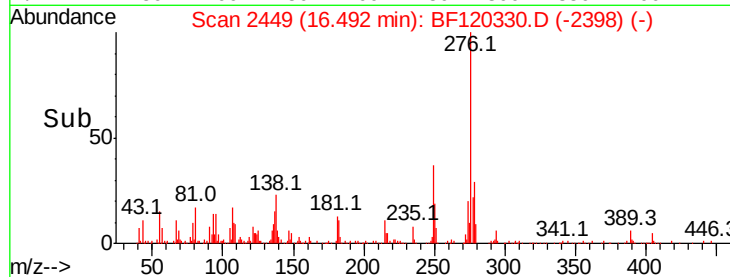
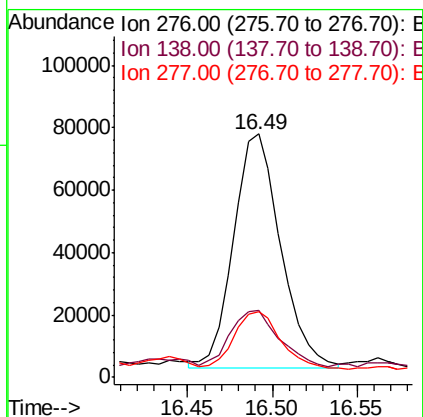
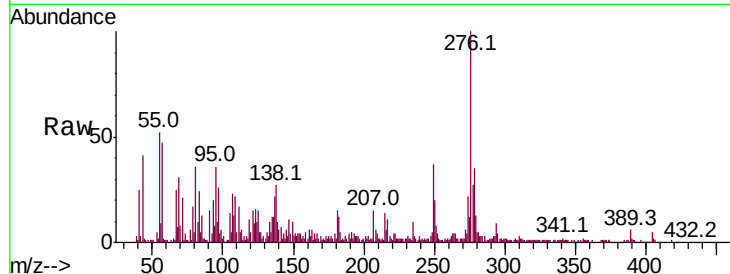




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.183 ng
RT: 16.49 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

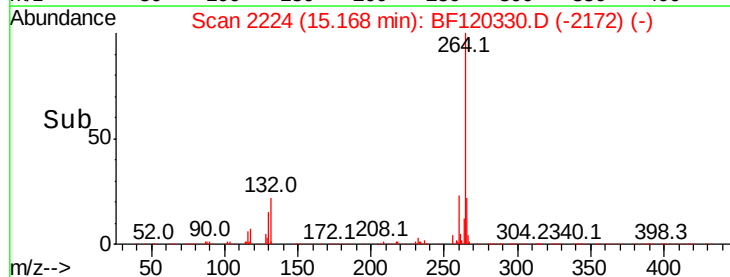
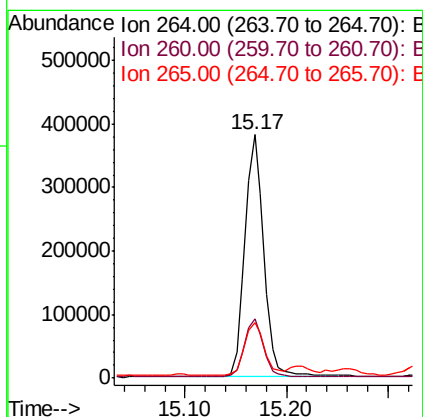
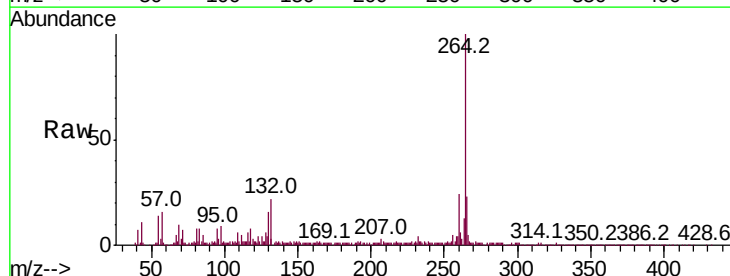
Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

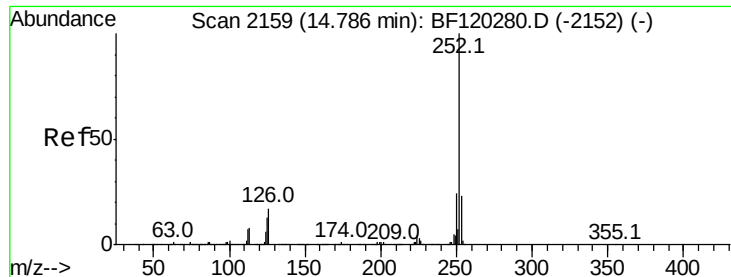
Tot Ion:276 Resp: 144743
Ion Ratio Lower Upper
276 100
138 25.8 23.3 34.9
277 24.9 20.2 30.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion:264 Resp: 498230
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.9 17.5 26.3

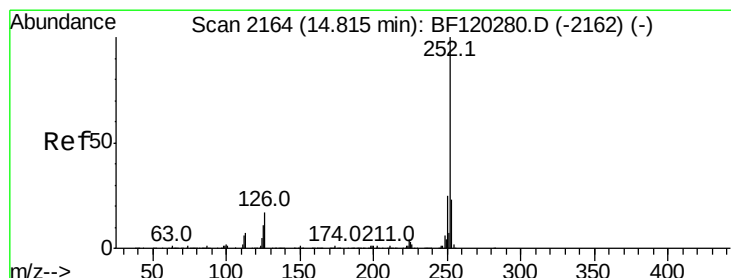
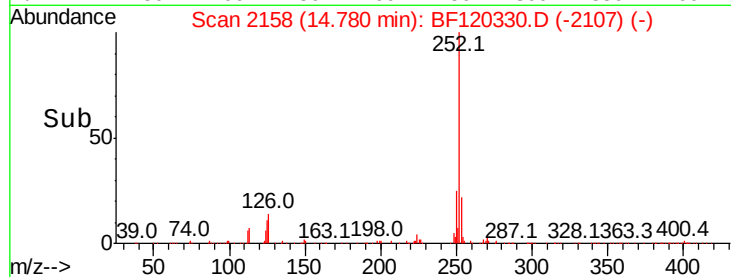
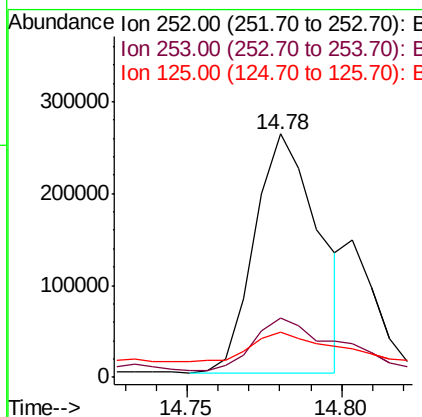
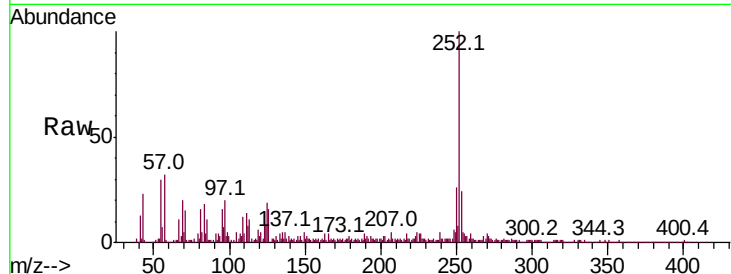




#88
Benzo(b)fluoranthene
Concen: 13.794 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

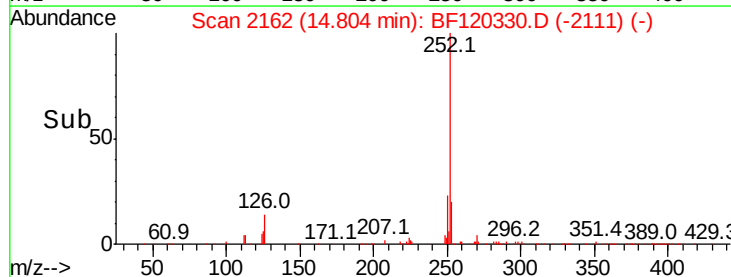
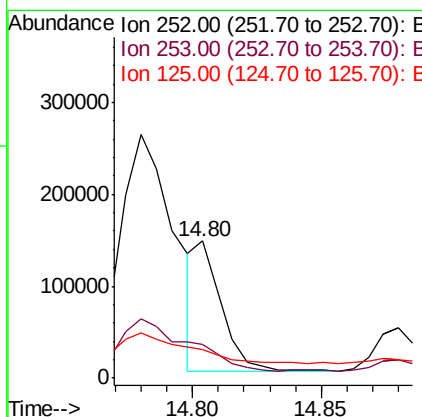
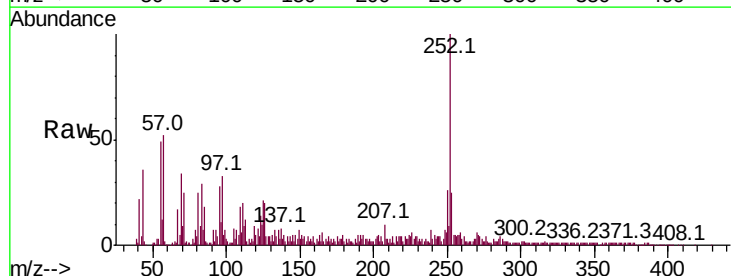
Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

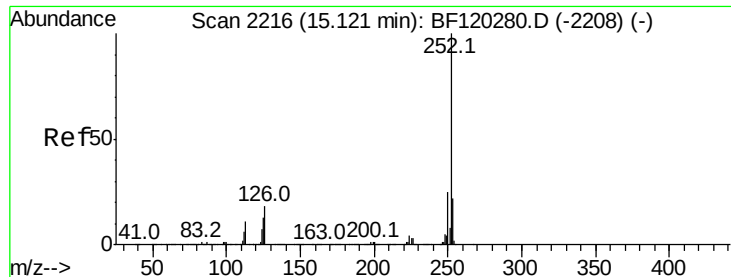
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	18.5	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 4.387 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	20.5	9.9	14.9

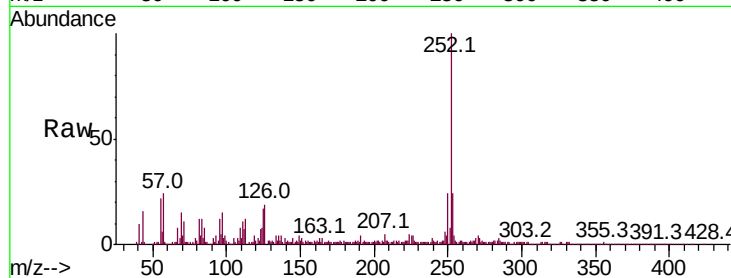




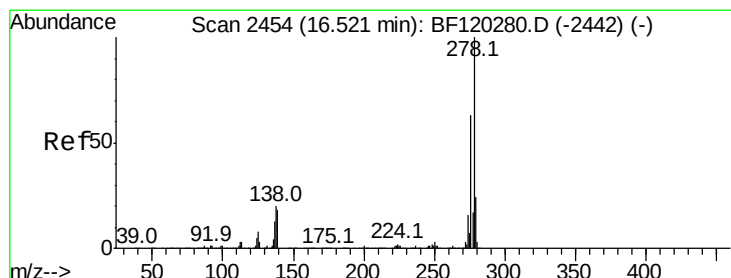
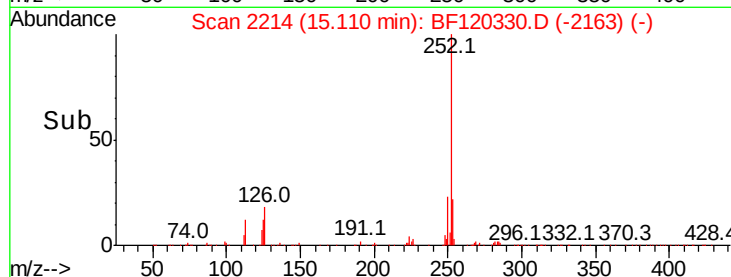
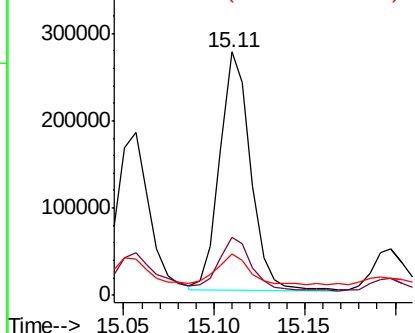
#90
Benzo(a)pyrene
Concen: 13.266 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Instrument :
BNA_F
ClientSampleId :
0375-AMENDED-COMP-MP-A

Tot Ion:252 Resp: 323715
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 17.0 10.6 16.0#

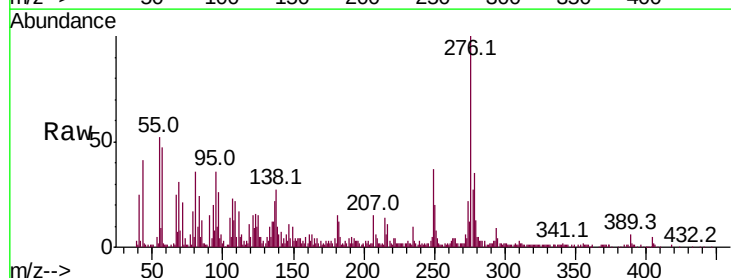


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

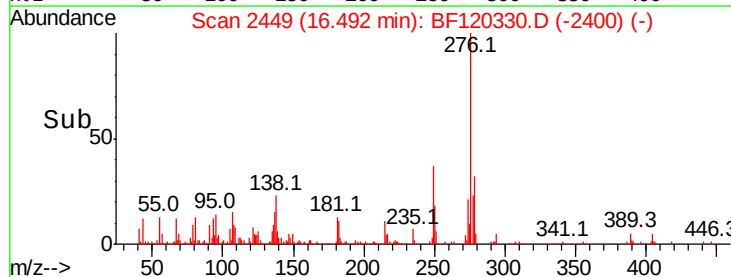
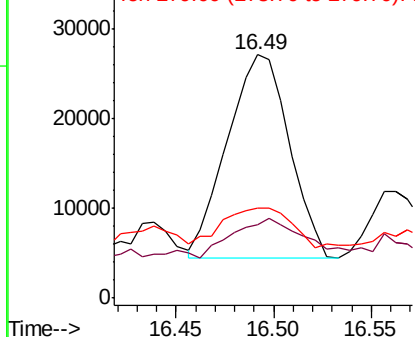


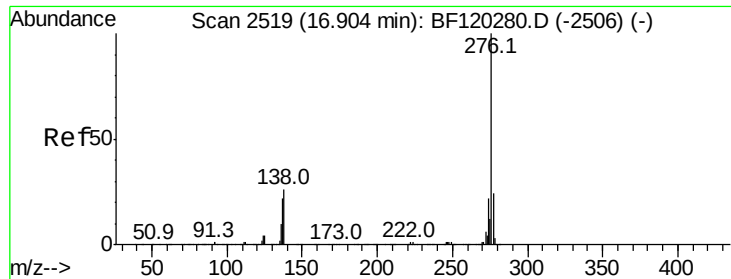
#91
Dibenzo(a,h)anthracene
Concen: 2.317 ng
RT: 16.49 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BF120330.D
Acq: 15 May 2020 19:15

Tgt Ion:278 Resp: 50093
Ion Ratio Lower Upper
278 100
139 30.1 14.7 22.1#
279 37.2 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 7.524 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.01 min
 Lab File: BF120330.D
 Acq: 15 May 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 0375-AMENDED-COMP-MP-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.1	28.7
138	25.1	20.8	31.2

