

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041620\
 Data File : BF120030.D
 Acq On : 16 Apr 2020 12:33
 Operator : MA/SJ
 Sample : L2230-17 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Quant Time: Apr 16 13:03:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137250	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	503156	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	240844	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	391452	20.00	ng	0.00
76) Chrysene-d12	13.89	240	243684	20.00	ng	0.00
87) Perylene-d12	15.32	264	254224	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	184102	23.18	ng	0.00
7) Phenol-d6	6.35	99	230237	22.50	ng	-0.01
23) Nitrobenzene-d5	7.28	82	141975	14.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	47817	16.22	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	293169	17.28	ng	0.00
79) Terphenyl-d14	12.84	244	213073	14.71	ng	-0.01

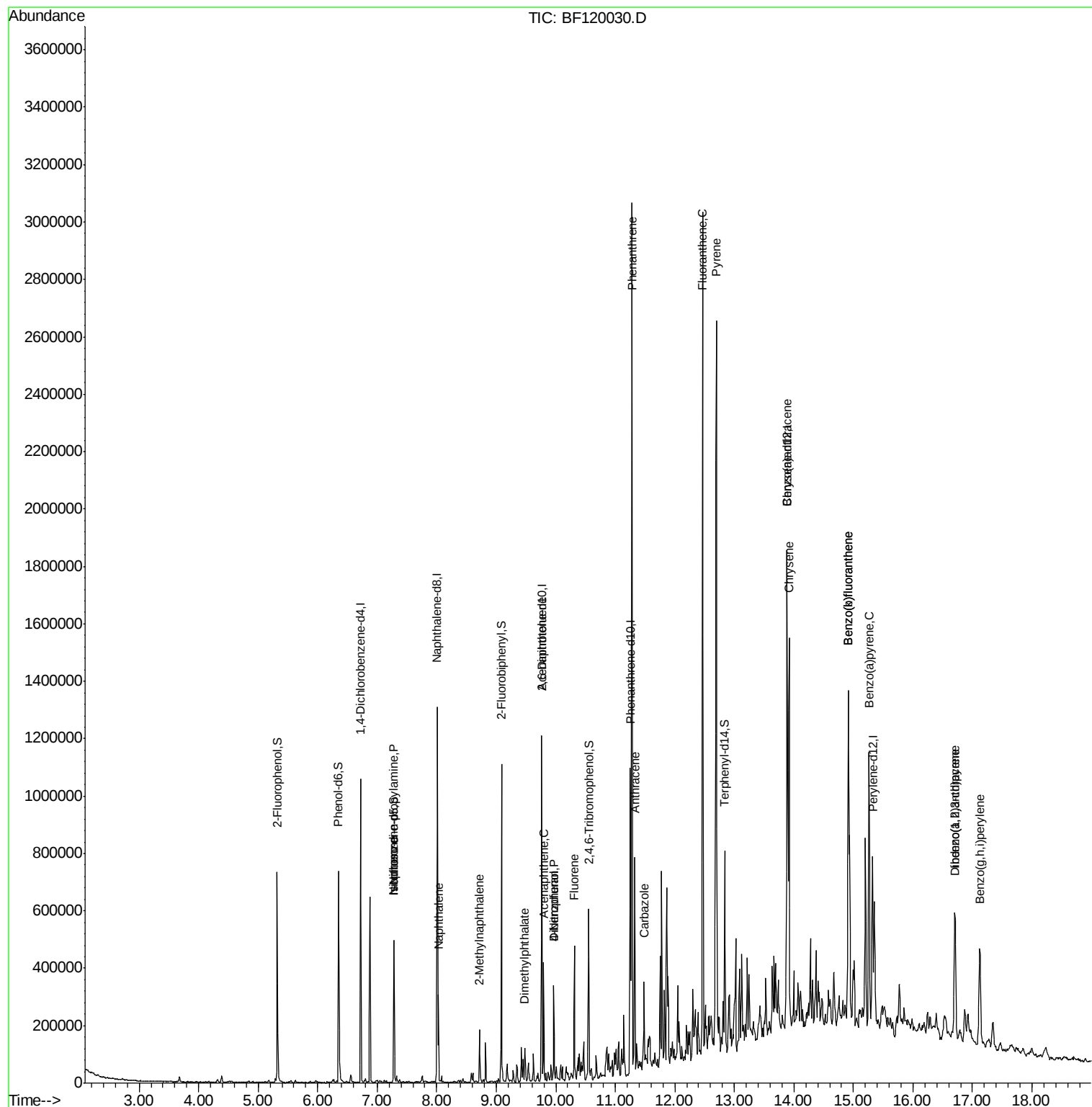
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	1711	Below Cal		# 25
19) n-Nitroso-di-n-propylamine	7.28	70	17951	2.728	ng	# 79
25) Isophorone	7.28	82	140386	7.488	ng	# 65
31) Naphthalene	8.03	128	119314	4.507	ng	# 99
37) 2-Methylnaphthalene	8.72	142	40641	2.264	ng	# 98
50) Dimethylphthalate	9.48	163	42751	2.295	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	33184	8.134	ng	# 20
52) Acenaphthene	9.80	154	78569	4.946	ng	# 97
55) Dibenzofuran	9.97	168	96447	4.424	ng	# 98
56) 4-Nitrophenol	9.97	139	35592	10.267	ng	# 5
58) Fluorene	10.31	166	110255	6.324	ng	# 96
71) Phenanthrene	11.28	178	1089574	52.299	ng	# 100
72) Anthracene	11.33	178	268265	12.605	ng	# 97
73) Carbazole	11.48	167	104855	5.210	ng	# 97
75) Fluoranthene	12.47	202	1127681	50.166	ng	# 97
78) Pyrene	12.70	202	1048442	51.036	ng	# 99
81) Benzo(a)anthracene	13.89	228	550214	34.322	ng	# 98
83) Chrysene	13.92	228	518855	31.853	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.70	276	299876	20.885	ng	# 95
88) Benzo(b)fluoranthene	14.92	252	842058	46.044	ng	# 98
89) Benzo(k)fluoranthene	14.92	252	842058	53.364	ng	# 98
90) Benzo(a)pyrene	15.26	252	446649	29.047	ng	# 98
91) Dibenz(a,h)anthracene	16.72	278	80689	5.924	ng	# 97
92) Benzo(g,h,i)perylene	17.12	276	268738	19.988	ng	# 98

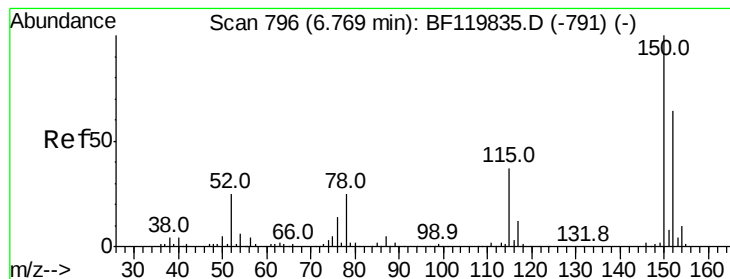
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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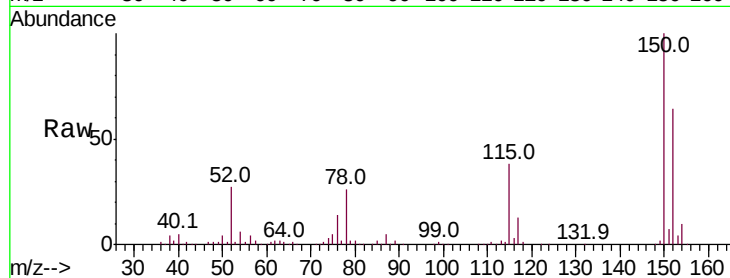


#1

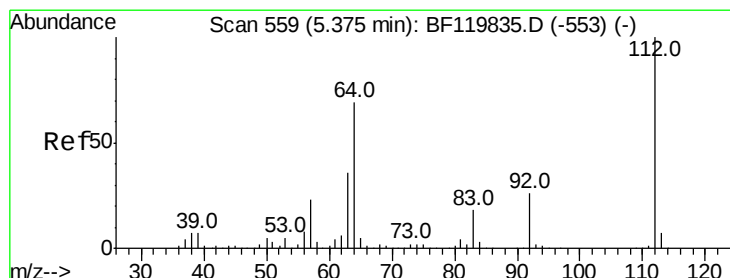
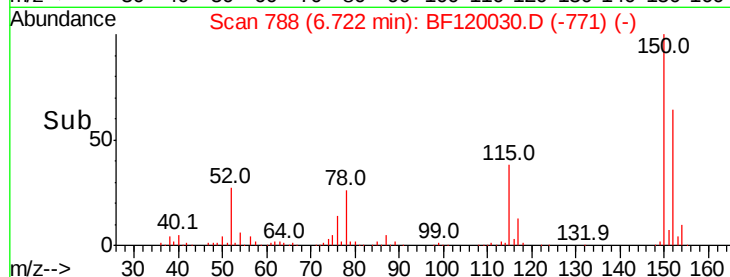
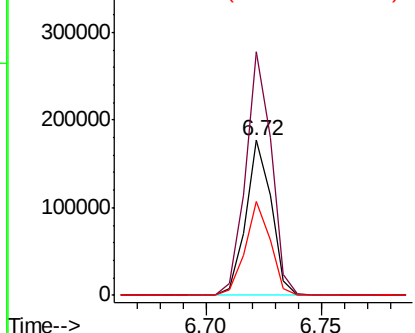
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.8	187.2
115	60.5	46.5	69.7



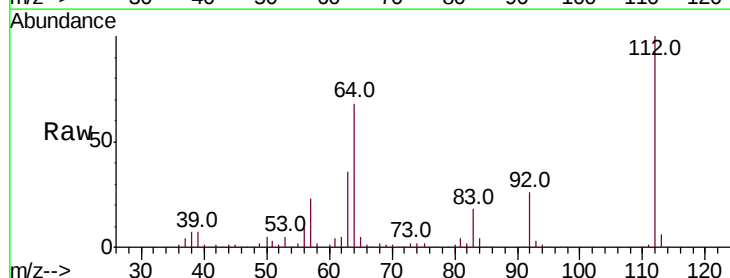
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



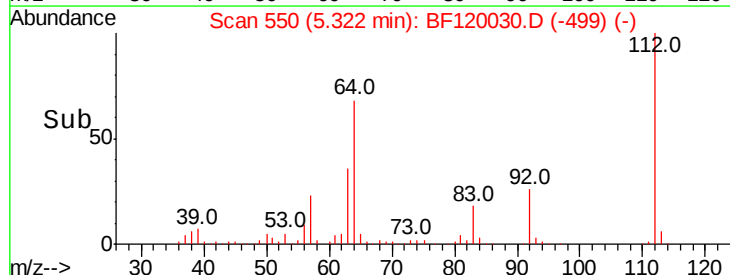
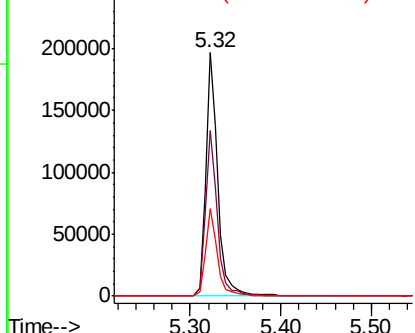
#5

2-Fluorophenol
 Concen: 23.181 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	55.5	83.3
63	35.9	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: 22.498 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

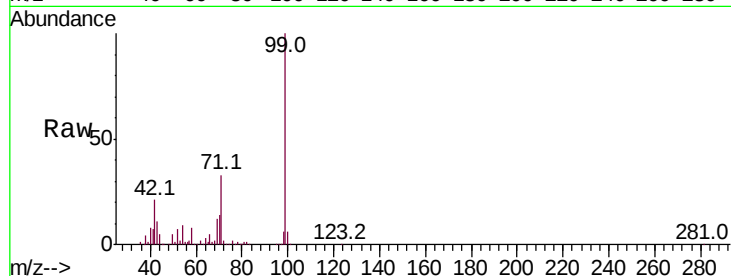
Tot Ion: 99 Resp: 230237

Ion Ratio Lower Upper

99 100

42 20.5 16.9 25.3

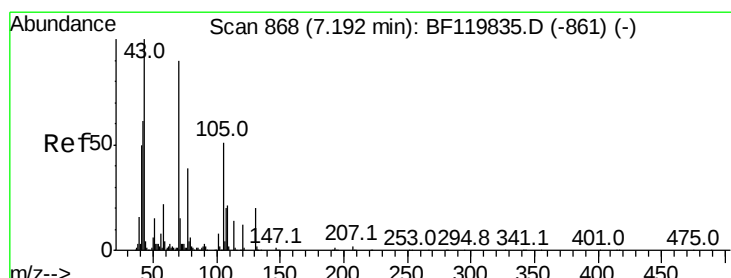
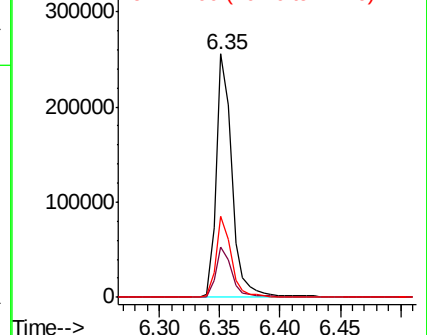
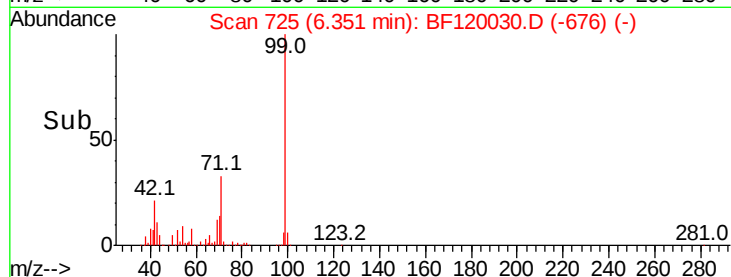
71 33.1 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.728 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Tgt Ion: 70 Resp: 17951

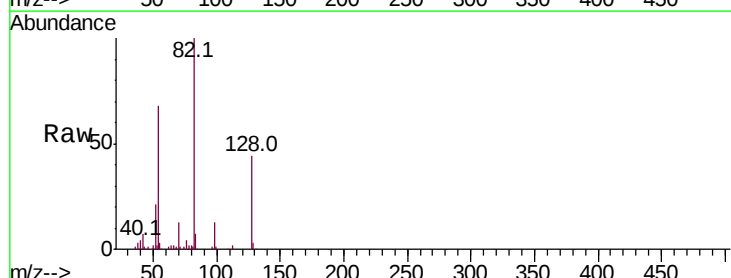
Ion Ratio Lower Upper

70 100

42 57.1 54.2 81.4

101 0.0 7.4 11.2#

130 1.9 17.8 26.6#

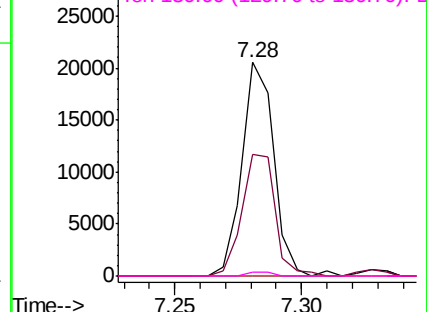
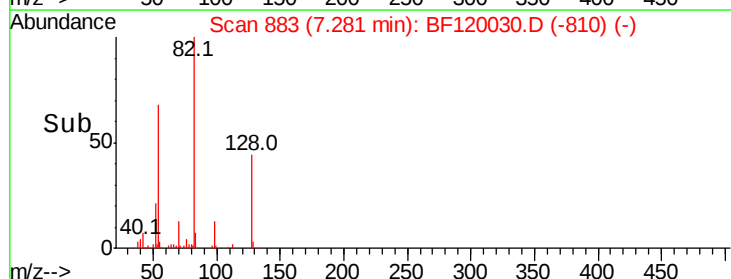


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

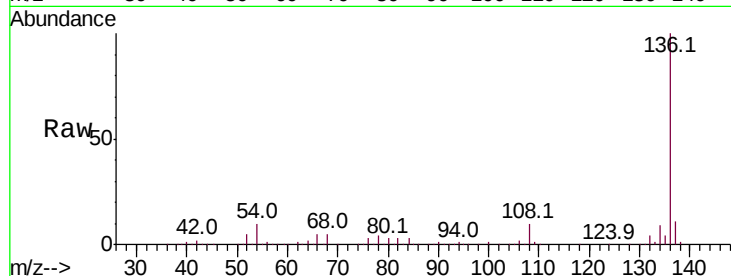




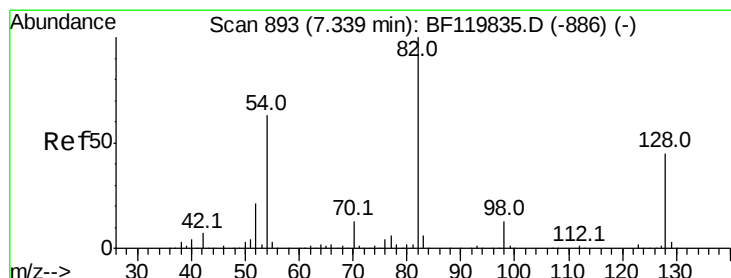
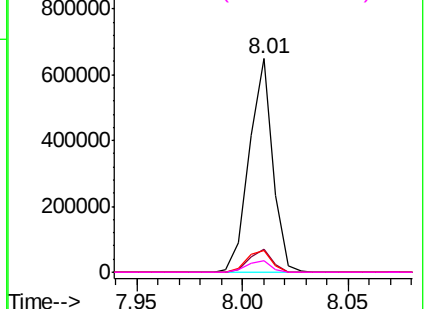
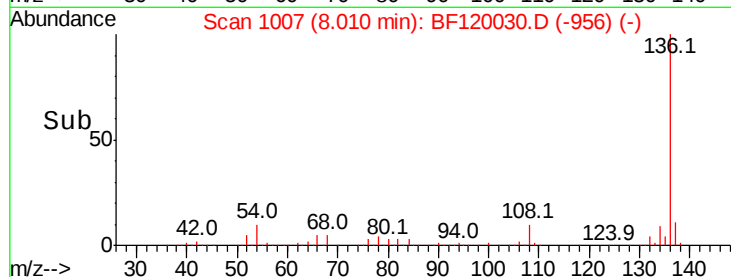
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Instrument :
BNA_F
ClientSampleId :
TP-12-A

Tot Ion:	136	Resp:	503156
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.1	8.5	12.7
68	5.2	3.9	5.9

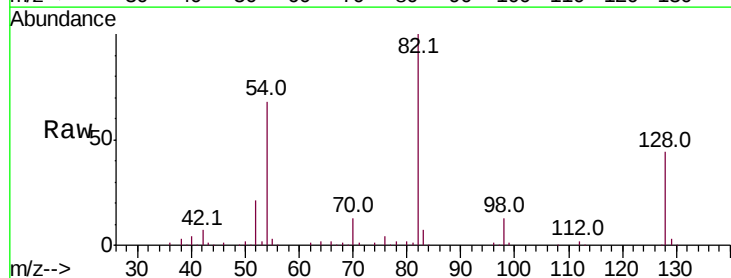


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

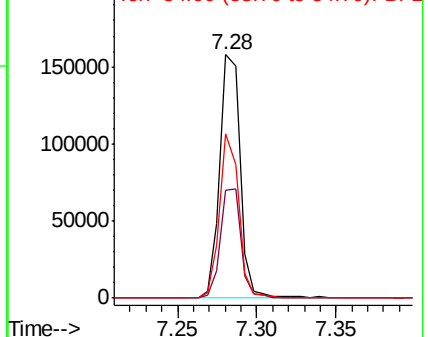
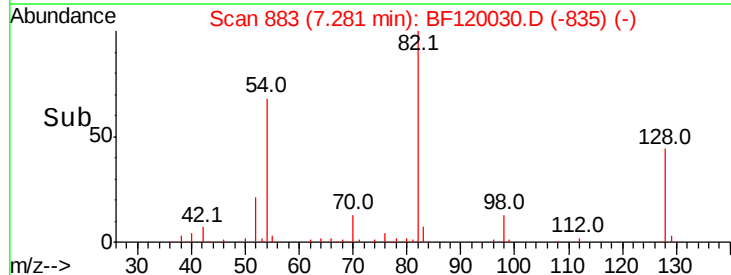


#23
Nitrobenzene-d5
Concen: 14.598 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion:	82	Resp:	141975
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.2	54.4
54	67.6	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





#25

Isophorone

Concen: 7.488 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

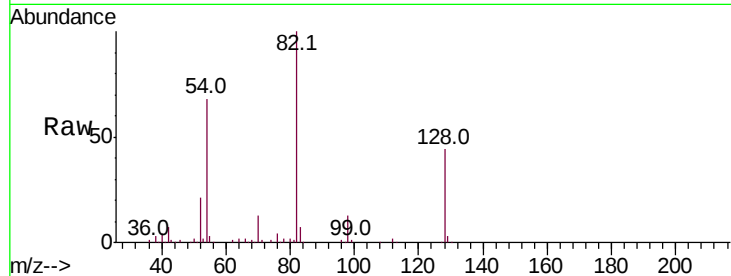
Tot Ion: 82 Resp: 140386

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

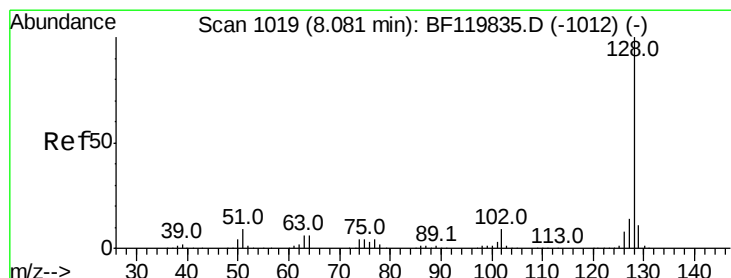
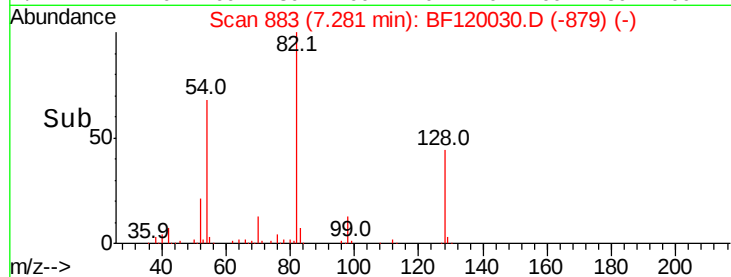
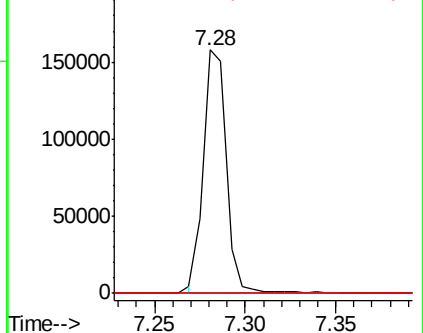
138 0.0 14.5 21.7#



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



#31

Naphthalene

Concen: 4.507 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

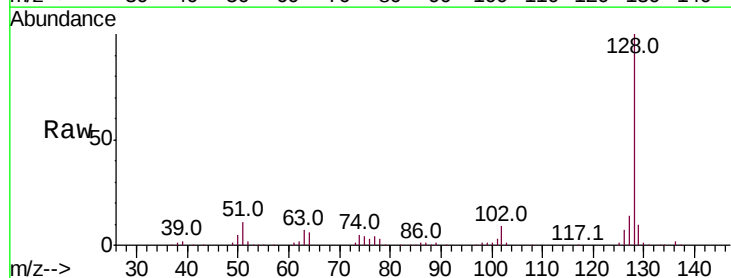
Tgt Ion:128 Resp: 119314

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

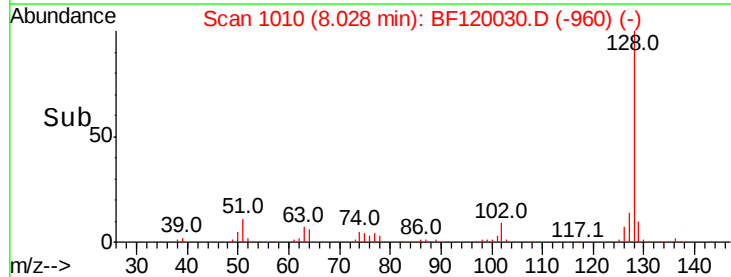
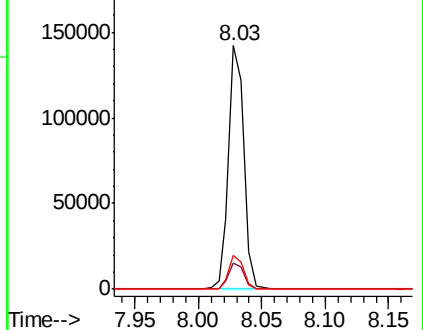
127 14.0 11.0 16.4

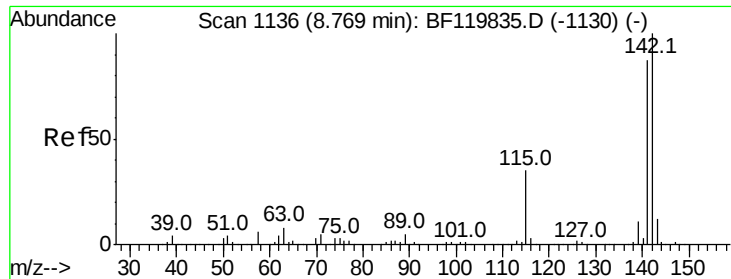


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

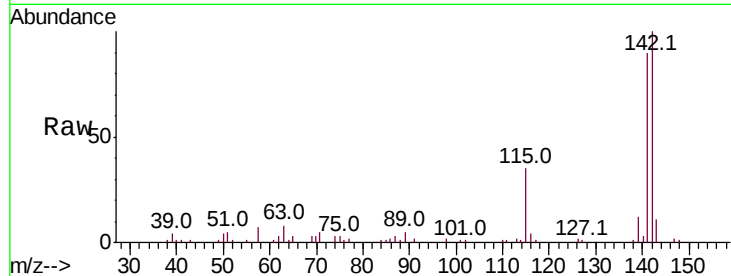




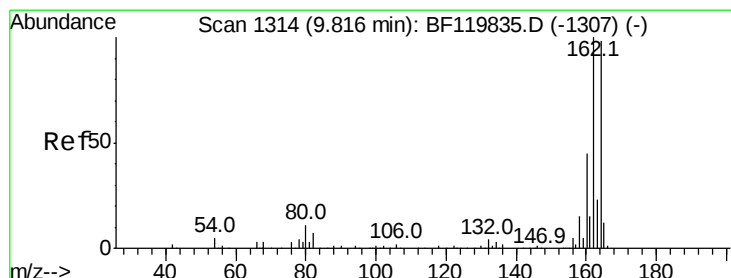
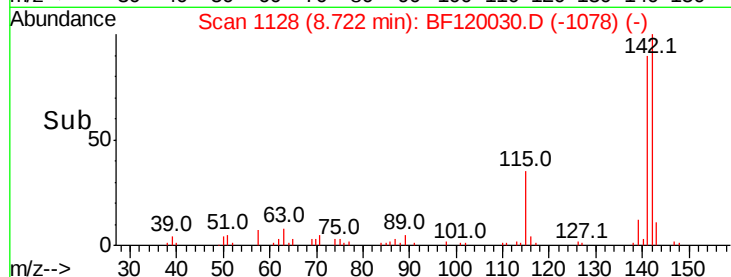
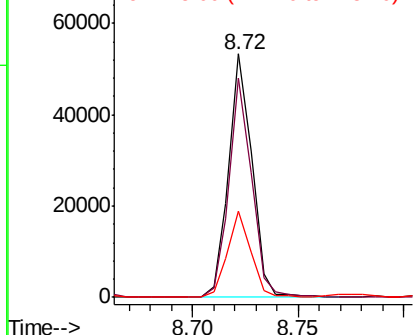
#37
 2-Methylnaphthalene
 Concen: 2.264 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Tot Ion:142 Resp: 40641
 Ion Ratio Lower Upper
 142 100
 141 89.9 69.9 104.9
 115 35.2 28.0 42.0

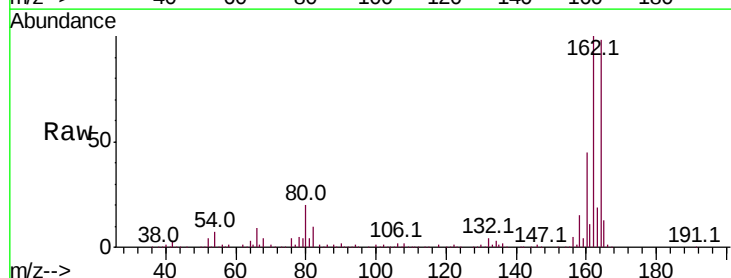


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

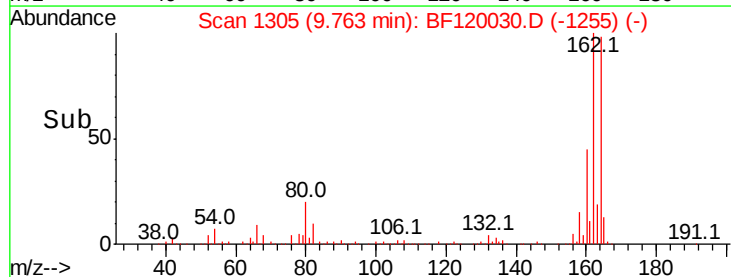
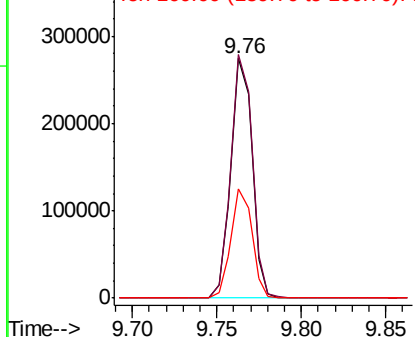


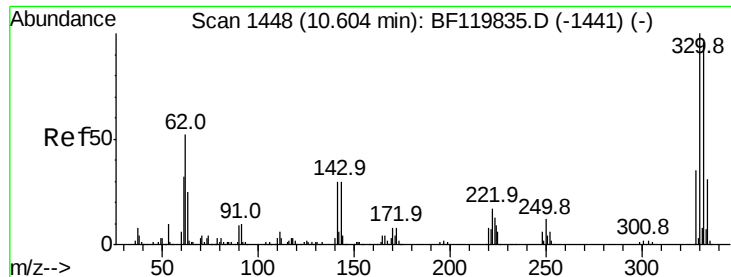
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Tgt Ion:164 Resp: 240844
 Ion Ratio Lower Upper
 164 100
 162 101.8 81.9 122.9
 160 45.6 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

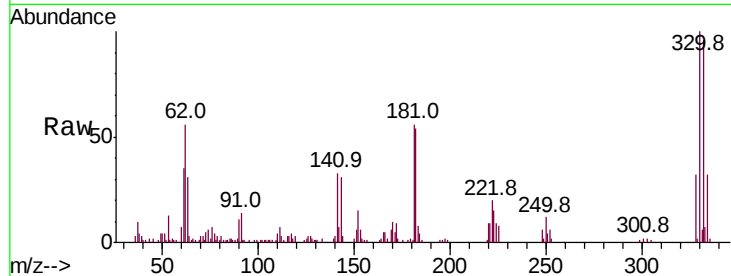




#42
 2,4,6-Tribromophenol
 Concen: 16.216 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.8	115.2
141	37.2	25.1	37.7

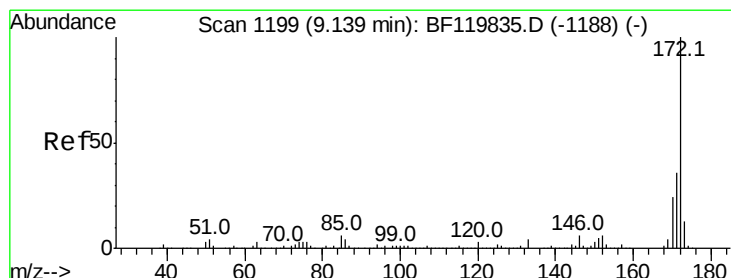
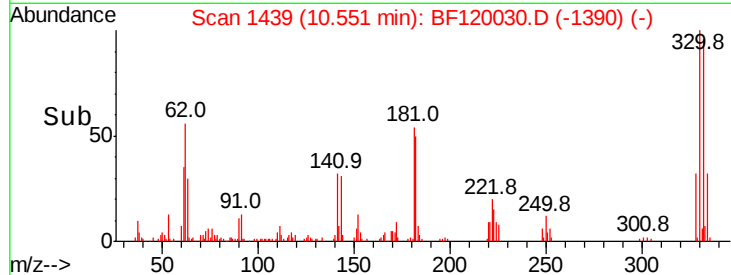
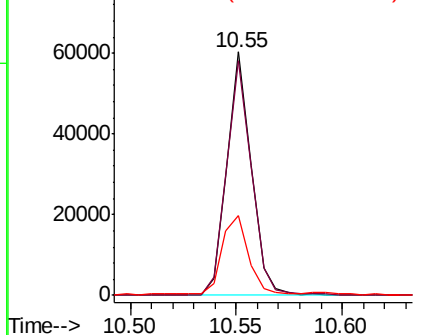


Abundance

Ion 329.80 (329.50 to 330.50): E

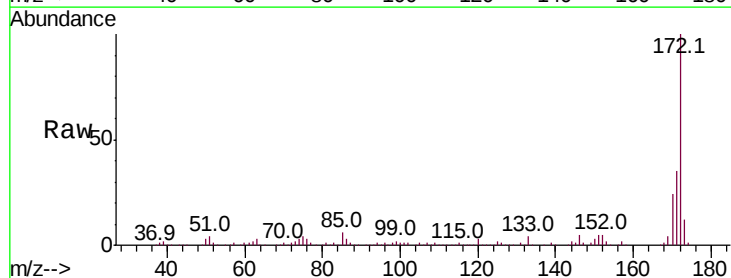
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 17.282 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.9	43.3
170	23.7	19.4	29.2

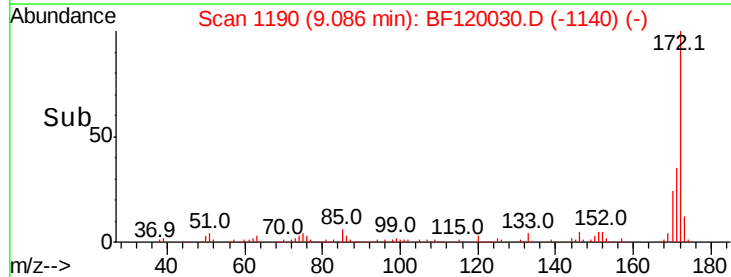
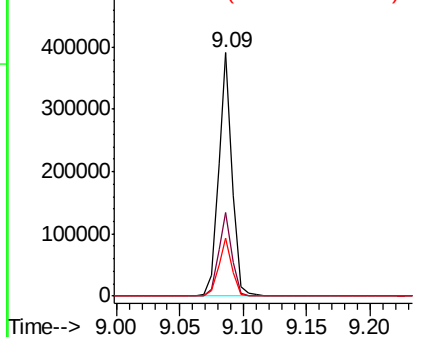


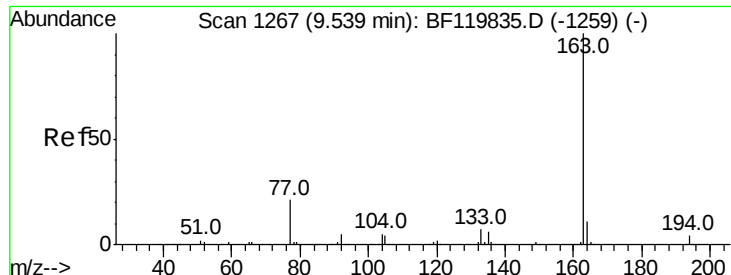
Abundance

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





#50

Dimethylphthalate

Concen: 2.295 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

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ClientSampleId :

TP-12-A

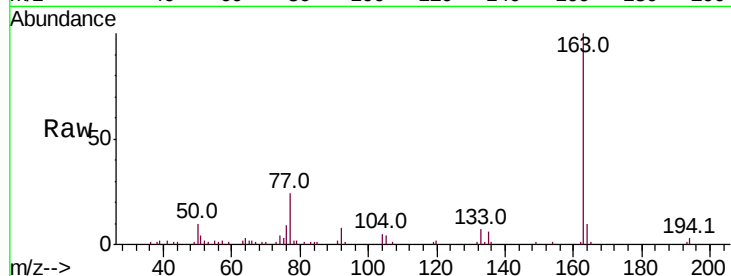
Tot Ion:163 Resp: 42751

Ion Ratio Lower Upper

163 100

194 2.7 3.0 4.4#

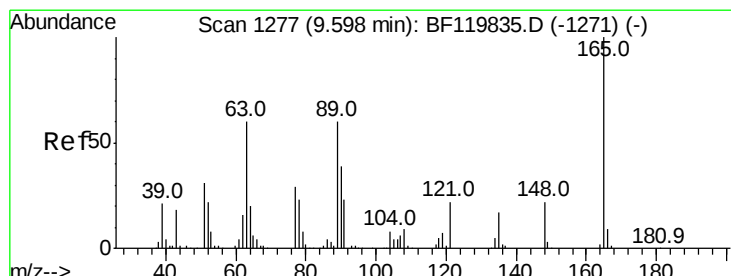
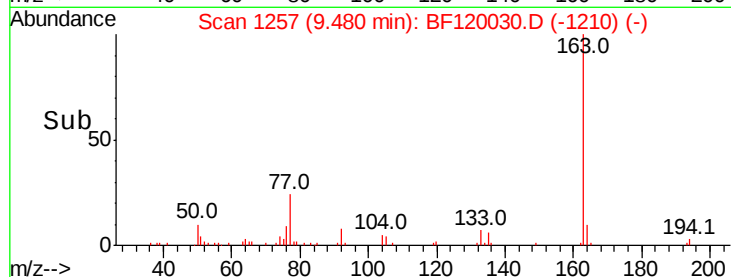
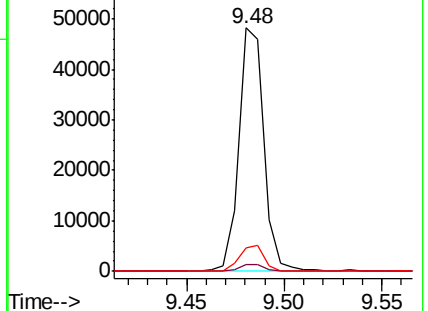
164 9.7 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.134 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

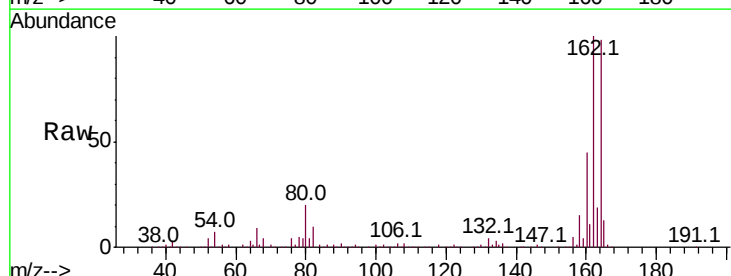
Tgt Ion:165 Resp: 33184

Ion Ratio Lower Upper

165 100

63 1.8 55.6 83.4#

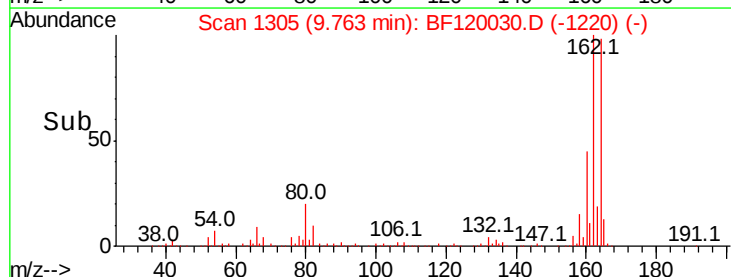
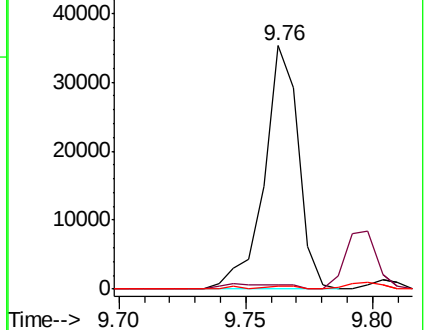
89 1.2 47.9 71.9#

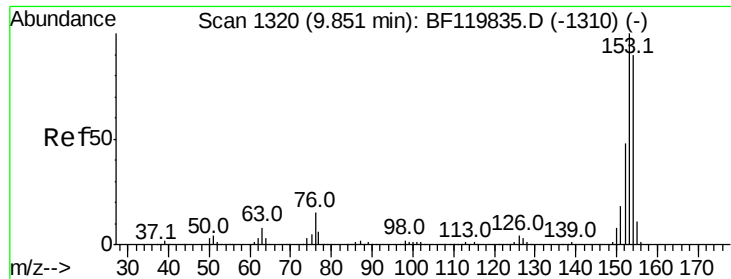


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 4.946 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

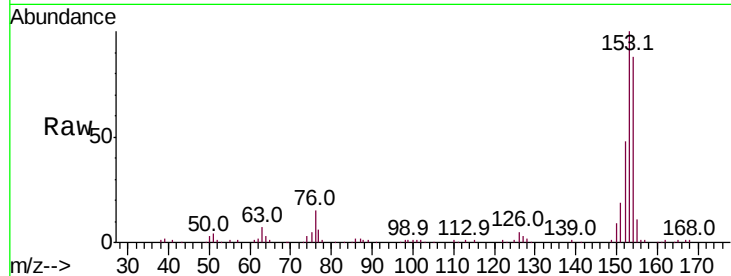
Tot Ion:154 Resp: 78569

Ion Ratio Lower Upper

154 100

153 114.3 88.8 133.2

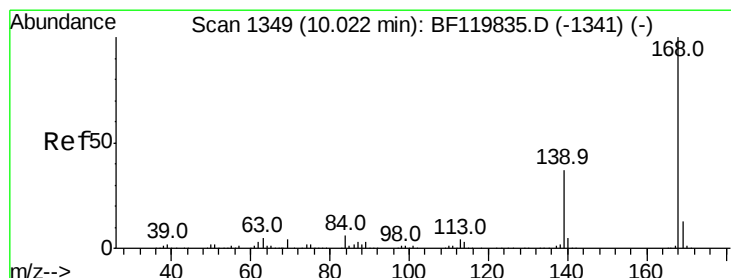
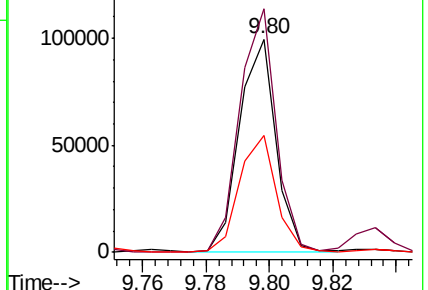
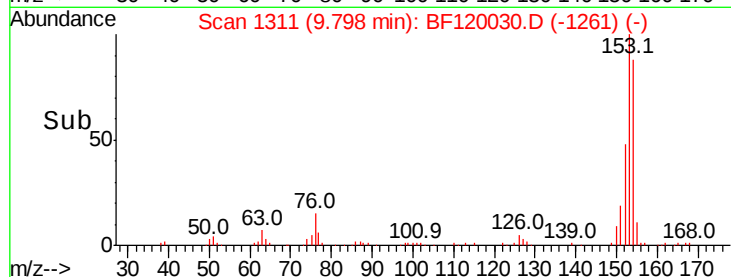
152 54.6 42.4 63.6



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: 4.424 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

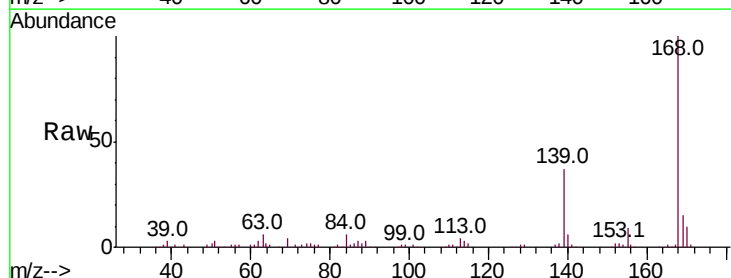
Tgt Ion:168 Resp: 96447

Ion Ratio Lower Upper

168 100

139 36.7 29.8 44.6

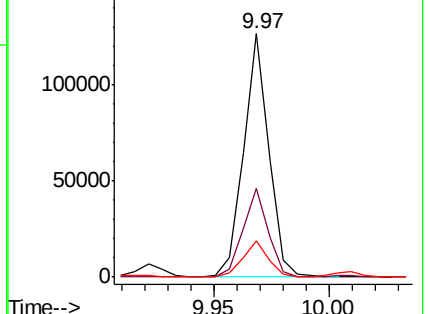
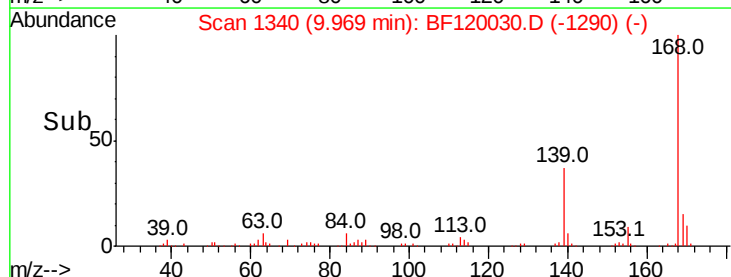
169 14.7 10.6 15.8

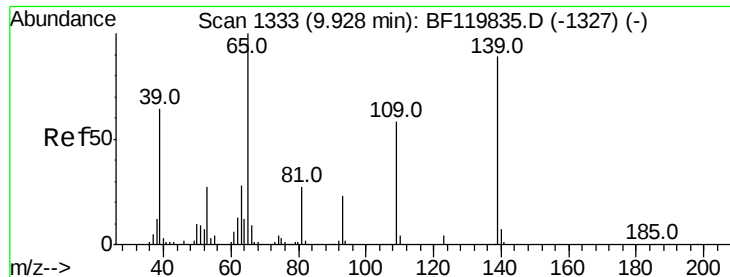


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

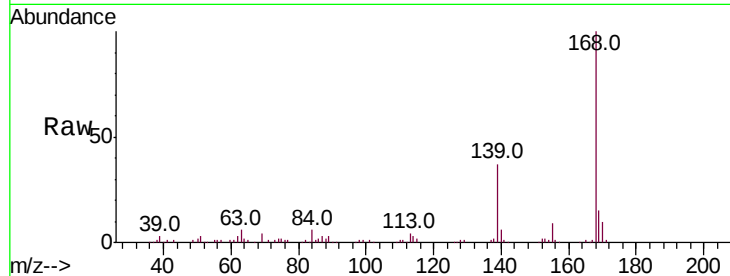




#56
4-Nitrophenol
Concen: 10.267 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.08 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Instrument :
BNA_F
ClientSampleId :
TP-12-A

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.1	45.5	85.5#
65	1.9	92.3	132.3#

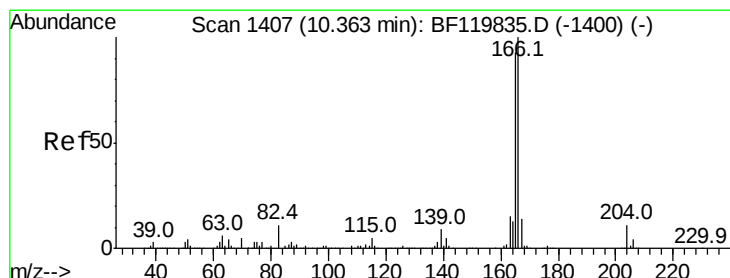
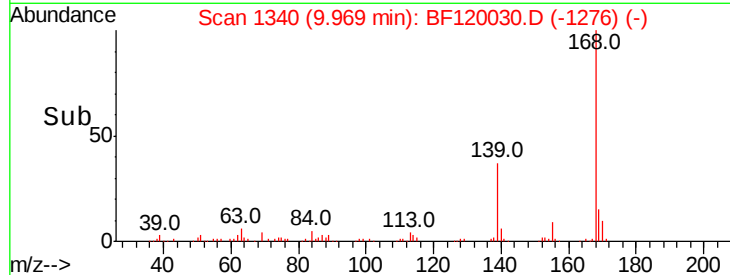
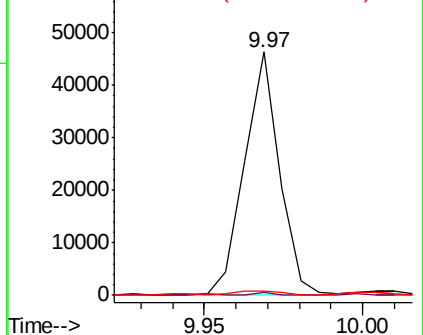


Abundance

Ion 139.00 (138.70 to 139.70): E

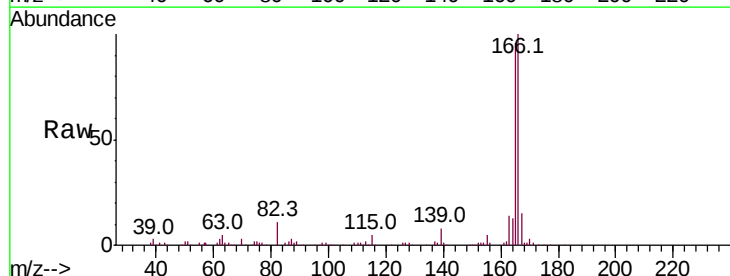
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58
Fluorene
Concen: 6.324 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	74.2	111.2
167	14.7	10.8	16.2

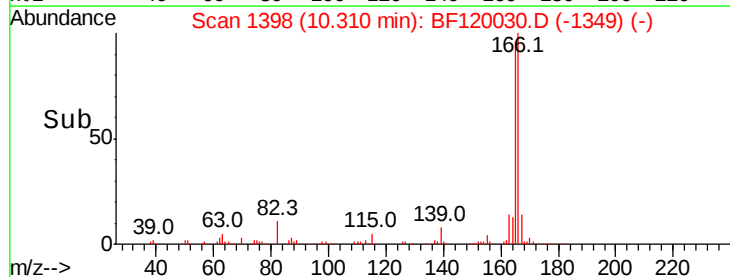
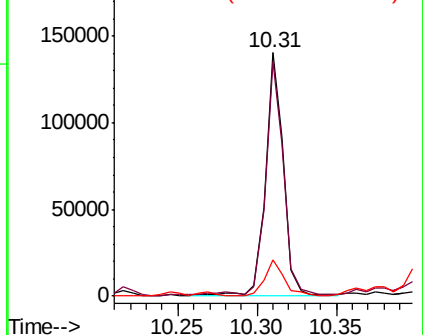


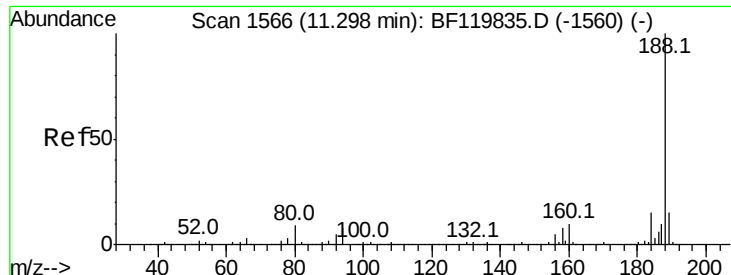
Abundance

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

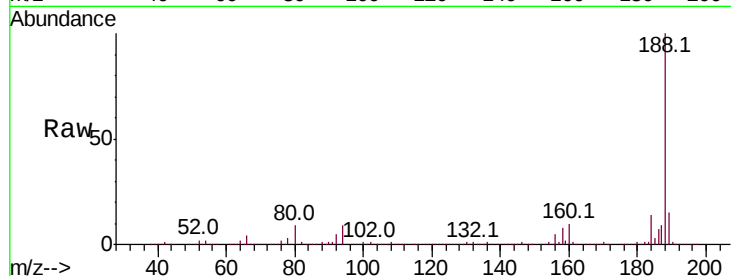




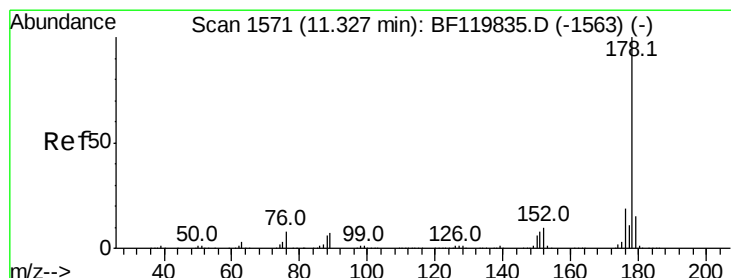
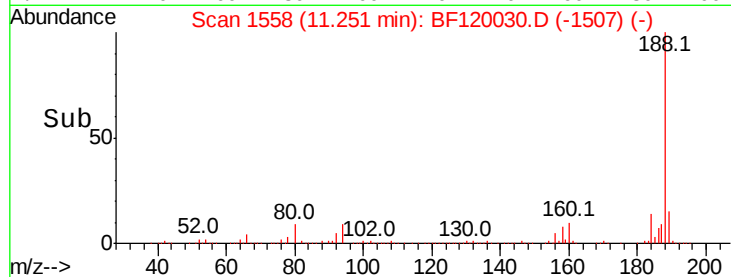
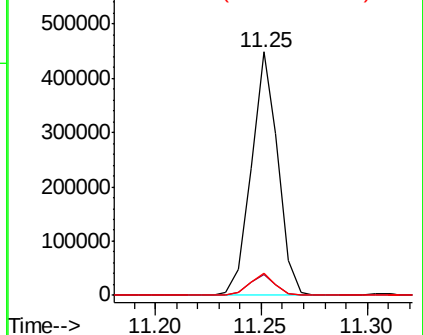
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Tot Ion:188 Resp: 391452
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.7 10.1
 80 8.9 7.4 11.2

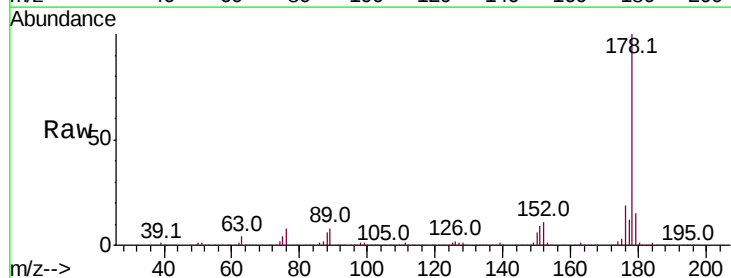


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

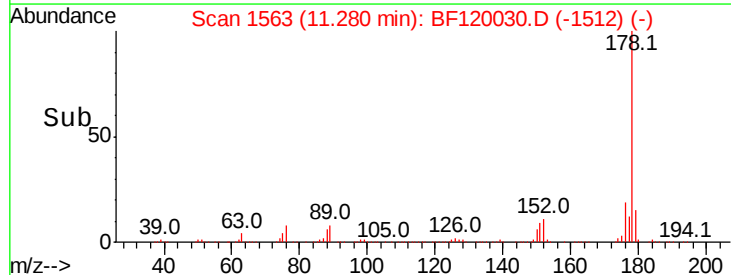
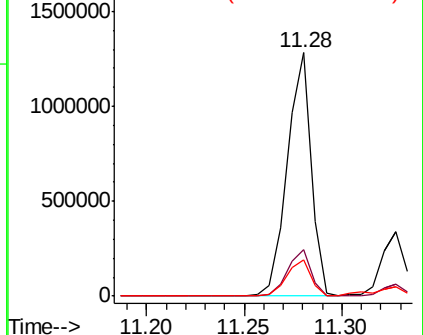


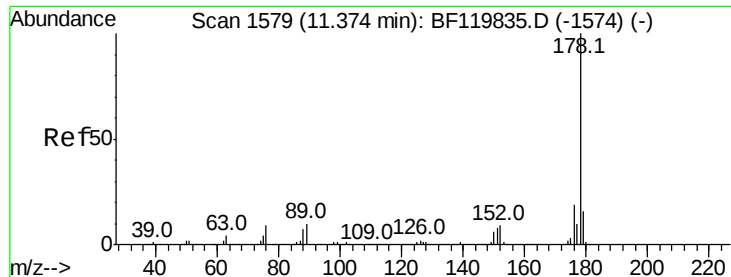
#71
 Phenanthrene
 Concen: 52.299 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Tgt Ion:178 Resp: 1089574
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.1 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: 12.605 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

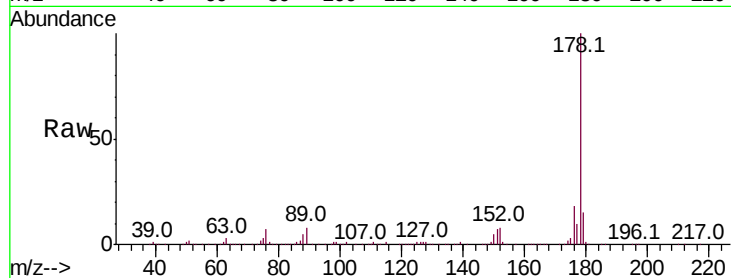
Tot Ion:178 Resp: 268265

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

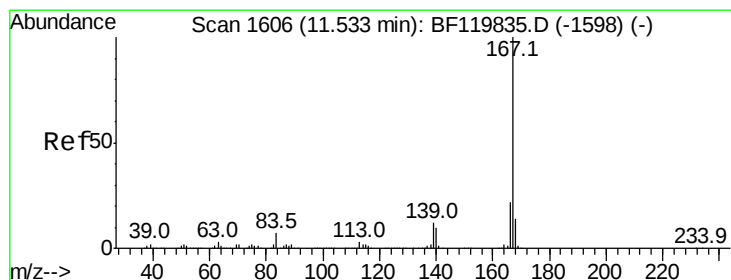
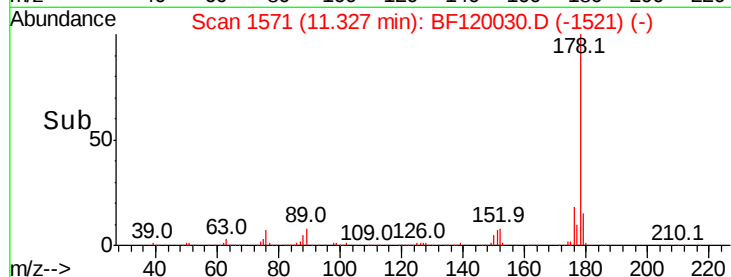
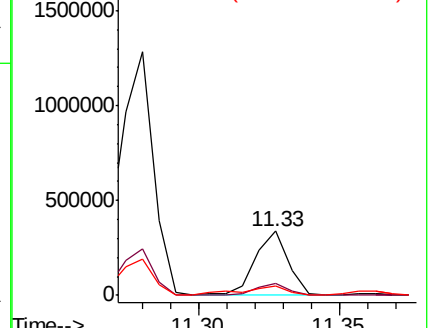
179 14.7 12.8 19.2



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: 5.210 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

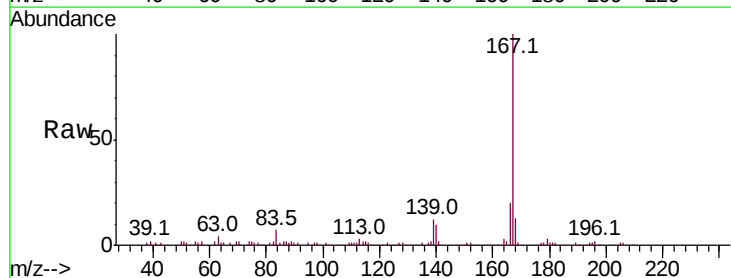
Tgt Ion:167 Resp: 104855

Ion Ratio Lower Upper

167 100

166 19.7 17.4 26.0

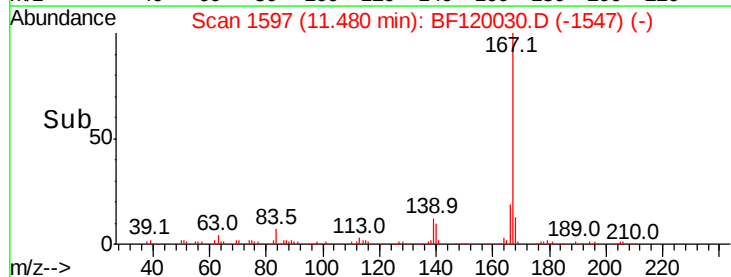
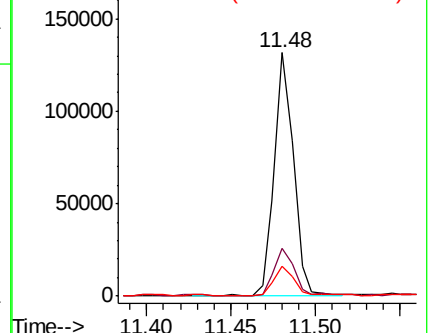
139 12.3 9.8 14.8

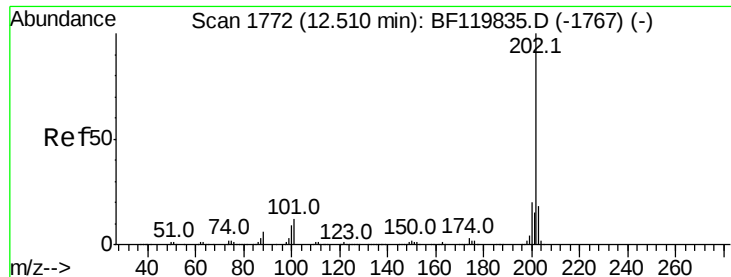


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 50.166 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

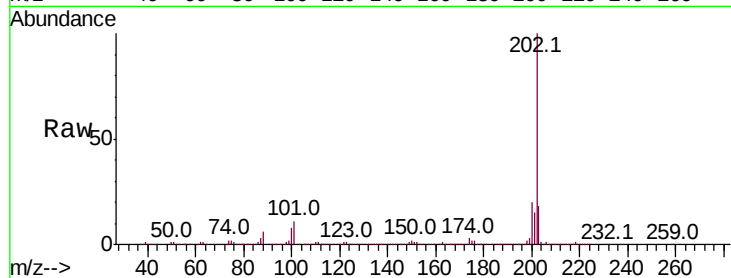
Tot Ion:202 Resp: 1127681

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.3

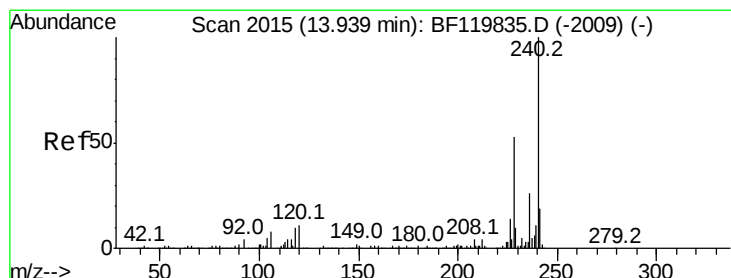
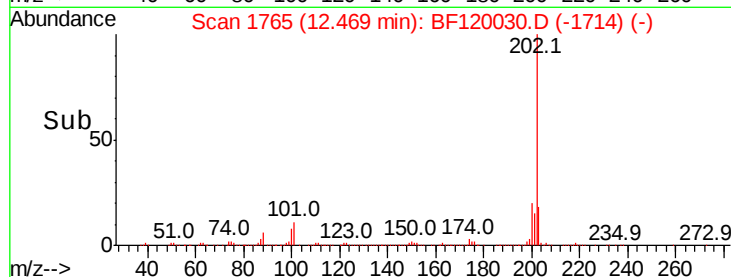
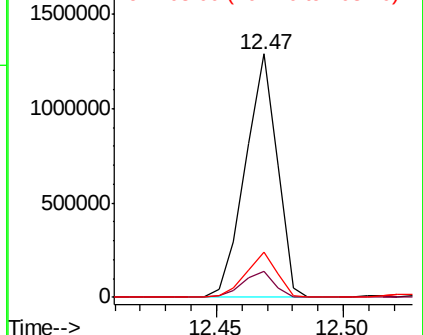
203 18.4 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

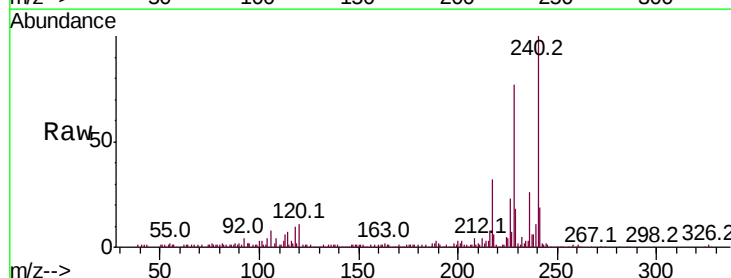
Tgt Ion:240 Resp: 243684

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.6

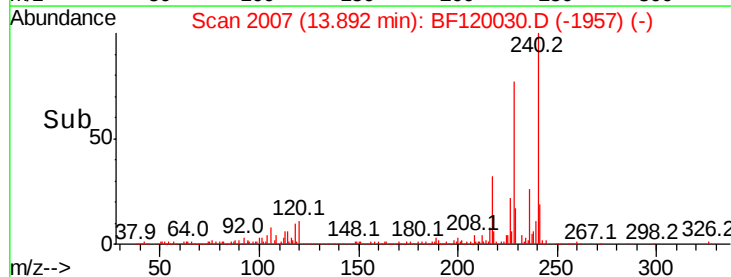
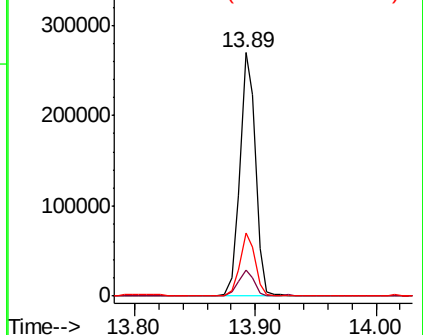
236 26.1 20.7 31.1

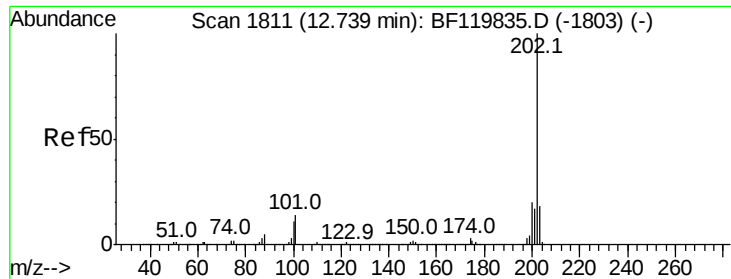


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

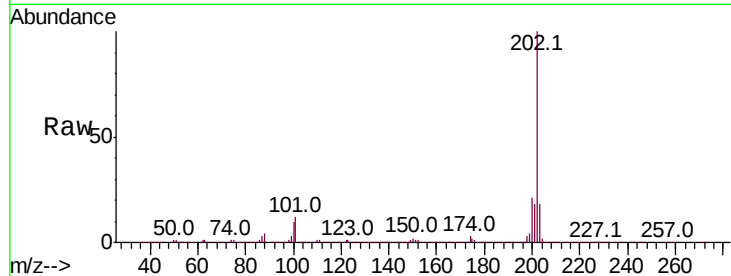




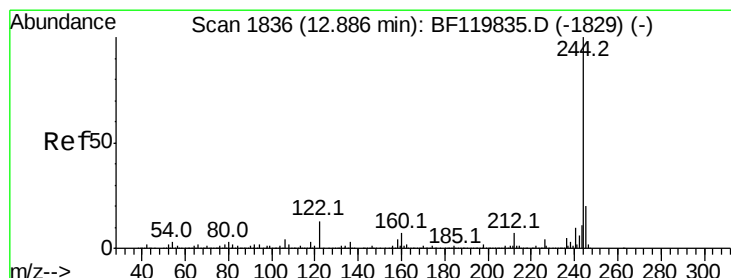
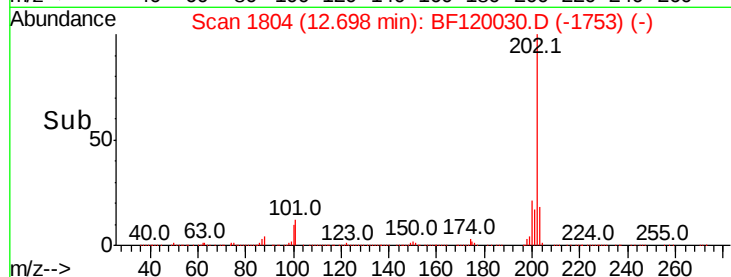
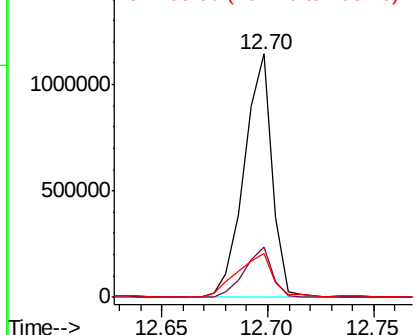
#78
Pvrene
Concen: 51.036 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Instrument :
BNA_F
ClientSampleId :
TP-12-A

Tot Ion:202 Resp: 1048442
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 18.3 14.1 21.1

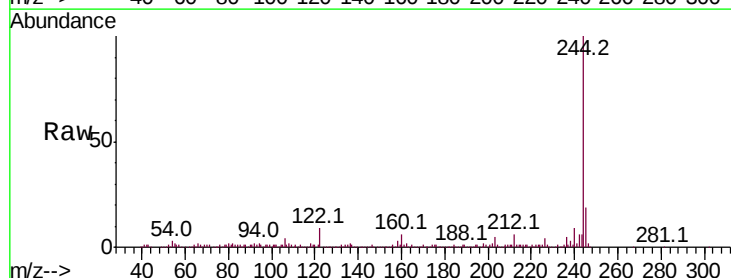


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

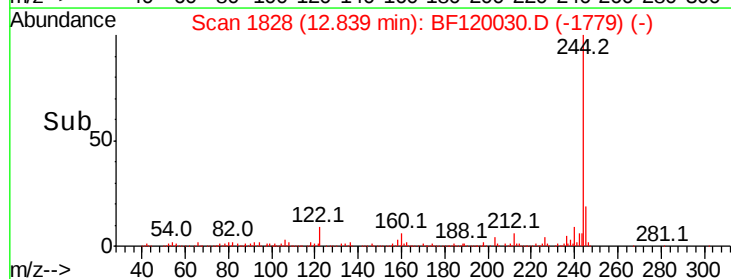
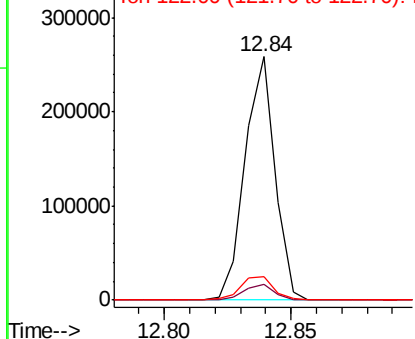


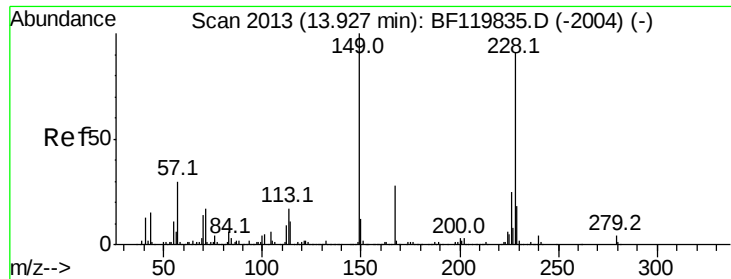
#79
Terphenyl-d14
Concen: 14.713 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion:244 Resp: 213073
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 9.5 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

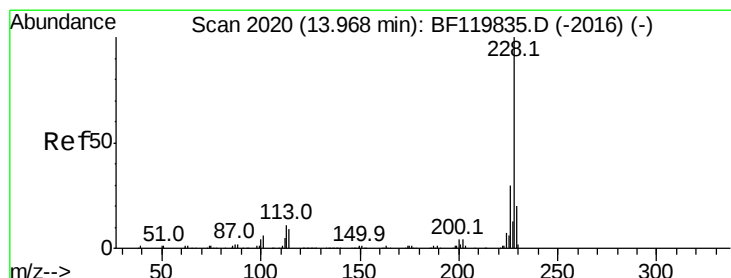
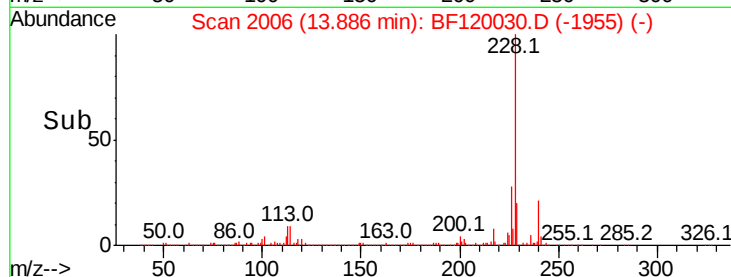
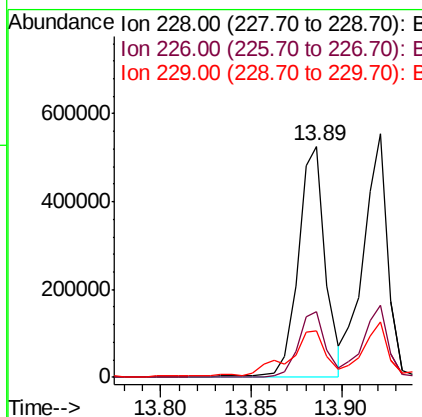
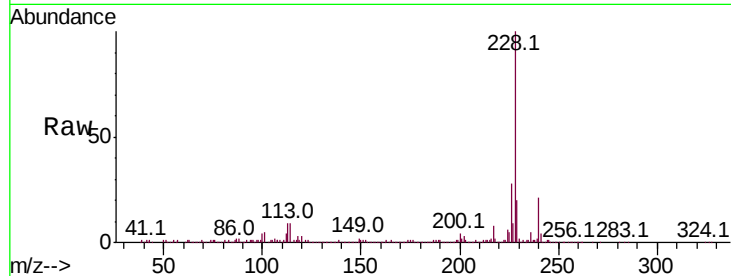




#81
Benzo(a)anthracene
Concen: 34.322 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

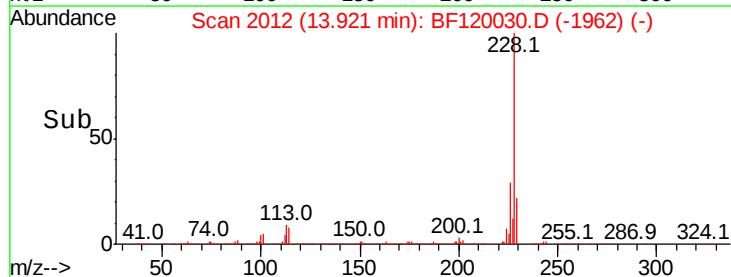
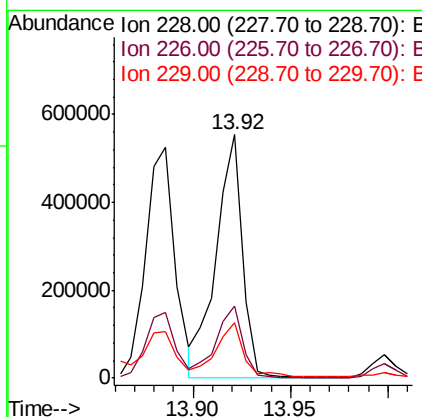
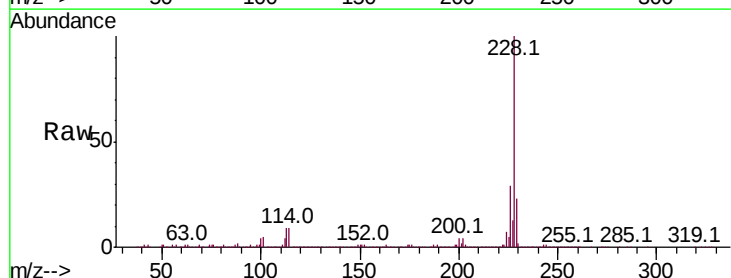
Instrument :
BNA_F
ClientSampleId :
TP-12-A

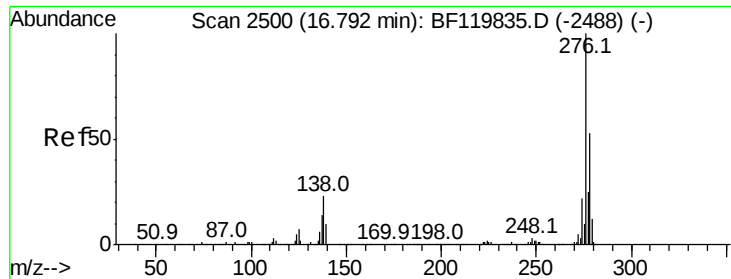
Tot Ion:228 Resp: 550214
Ion Ratio Lower Upper
228 100
226 28.4 21.9 32.9
229 20.3 15.9 23.9



#83
Chrysene
Concen: 31.853 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion:228 Resp: 518855
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.6 15.9 23.9

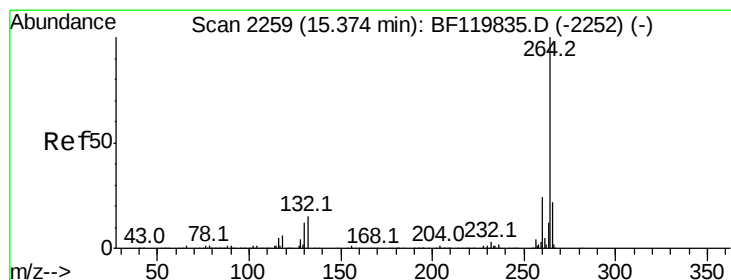
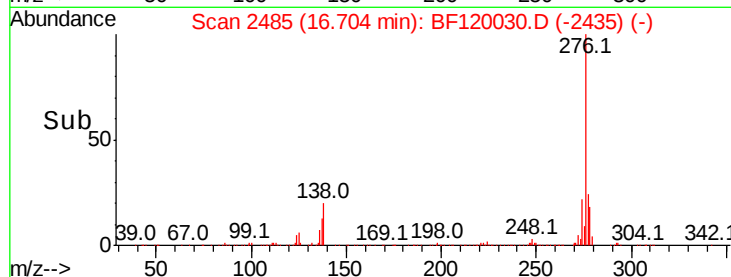
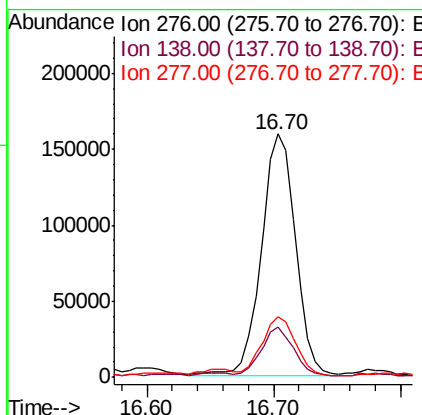
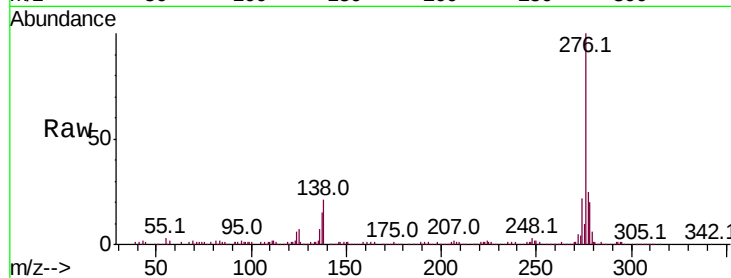




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 20.885 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

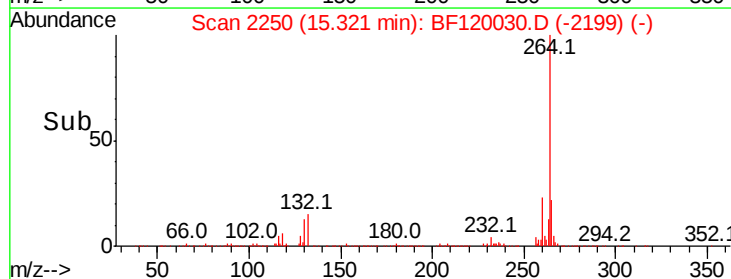
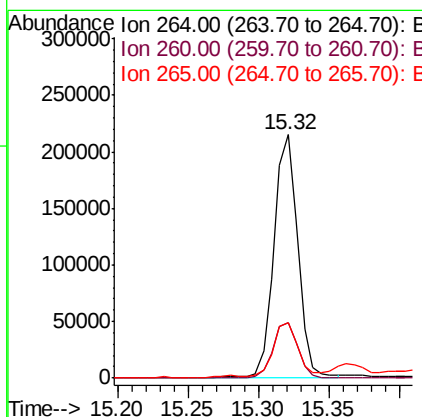
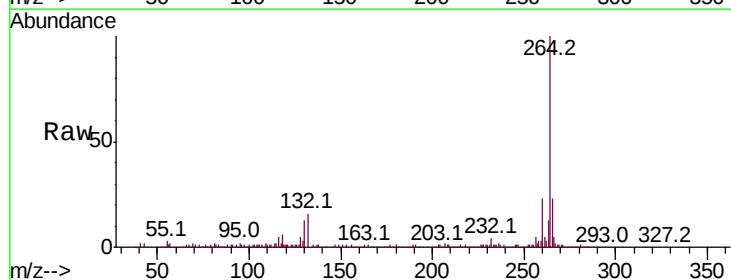
Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

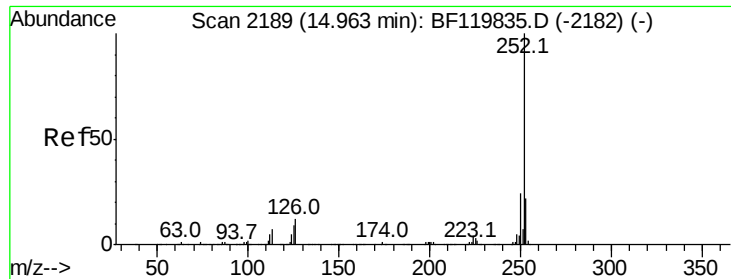
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	18.0	27.0
277	23.9	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF120030.D
 Acq: 16 Apr 2020 12:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.3	28.9
265	22.5	17.6	26.4

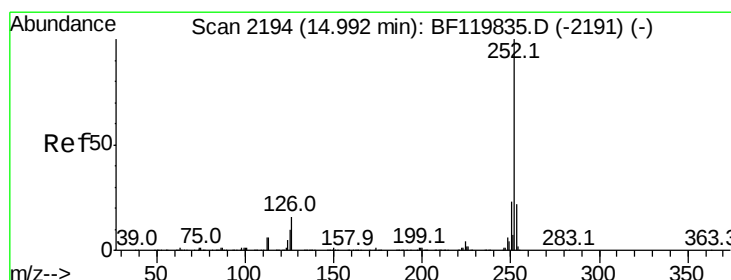
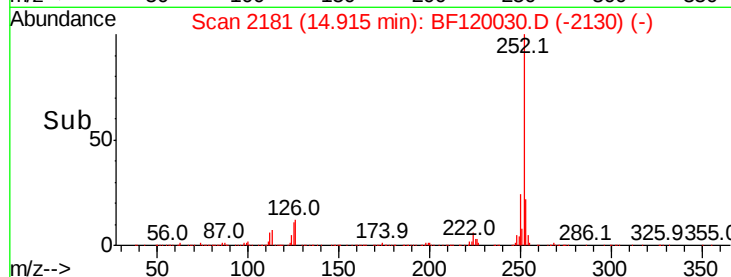
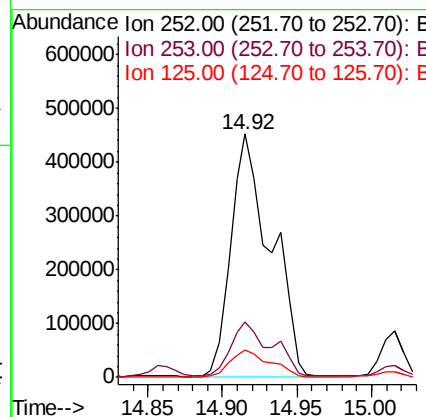
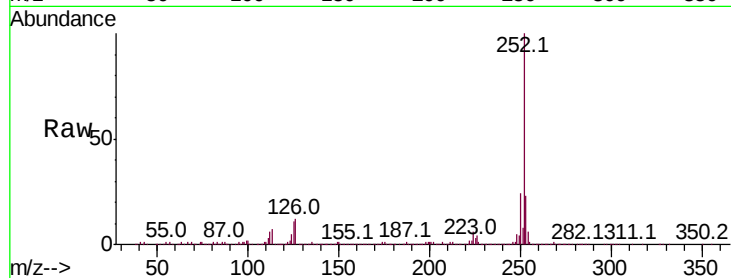




#88
Benzo(b)fluoranthene
Concen: 46.044 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

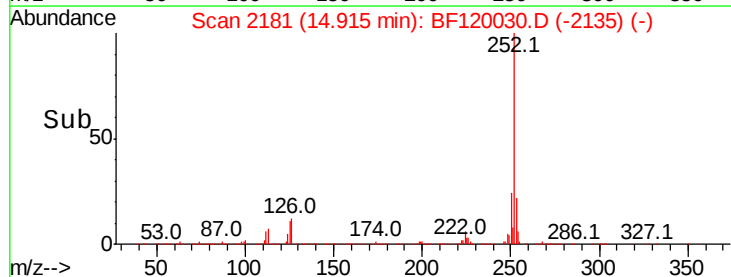
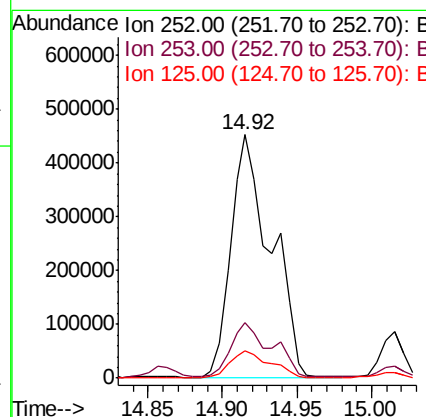
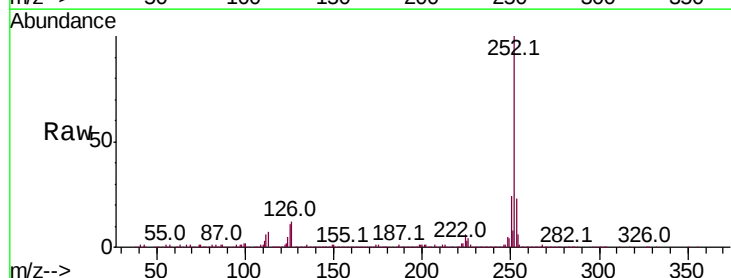
Instrument :
BNA_F
ClientSampleId :
TP-12-A

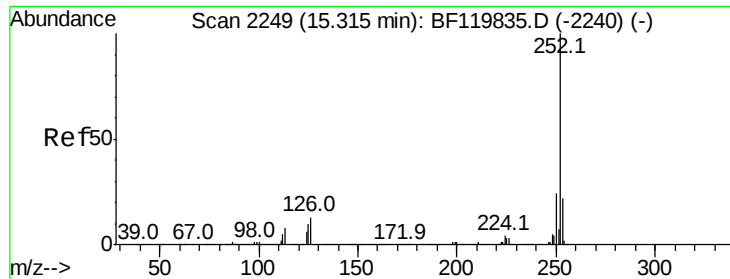
Tot Ion:252 Resp: 842058
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.0 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 53.364 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion:252 Resp: 842058
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.0 7.7 11.5

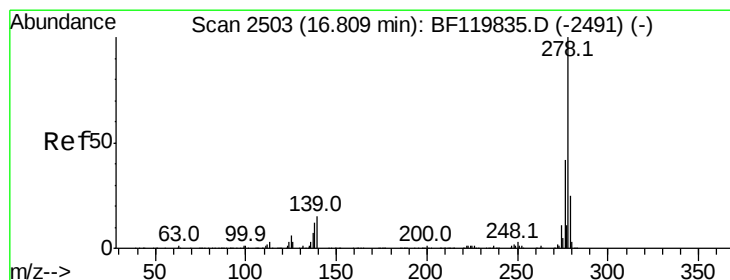
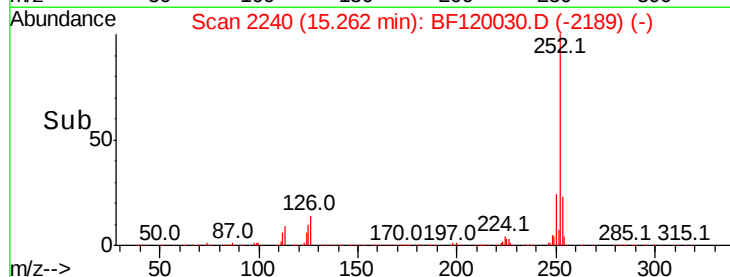
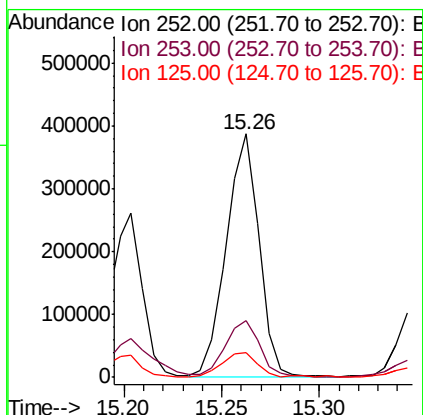
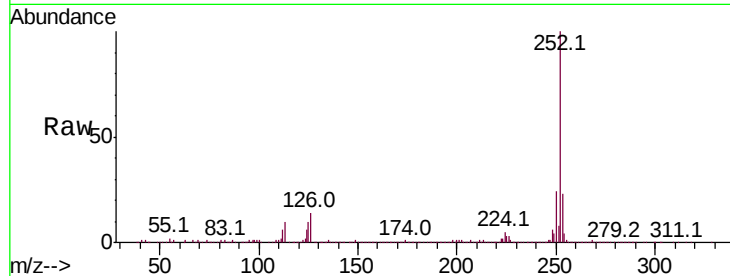




#90
Benzo(a)pyrene
Concen: 29.047 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

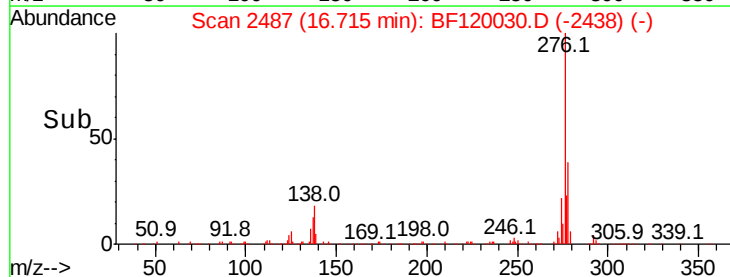
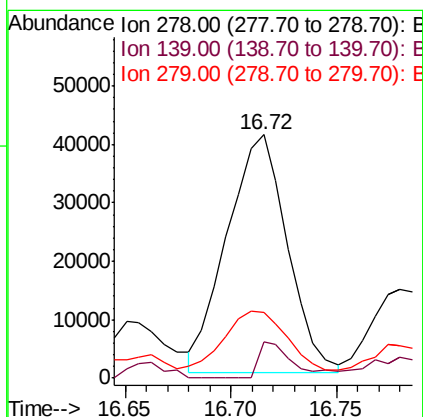
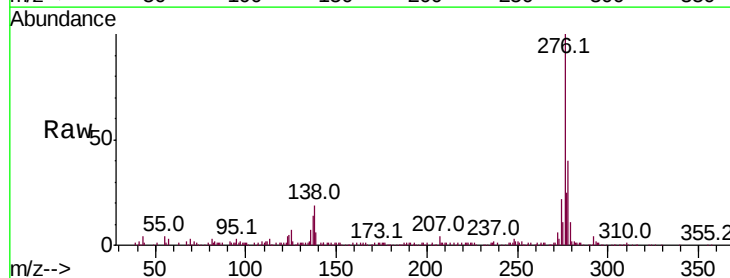
Instrument :
BNA_F
ClientSampleId :
TP-12-A

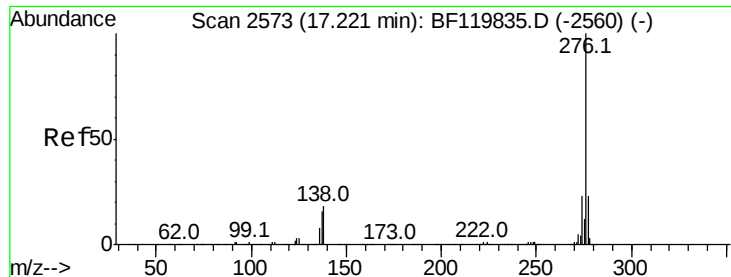
Tot Ion:252 Resp: 446649
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.2 8.3 12.5



#91
Dibenzo(a,h)anthracene
Concen: 5.924 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF120030.D
Acq: 16 Apr 2020 12:33

Tgt Ion:278 Resp: 80689
Ion Ratio Lower Upper
278 100
139 15.2 11.6 17.4
279 26.8 19.7 29.5





#92

Benzo(a,h,i)perylene

Concen: 19.988 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF120030.D

Acq: 16 Apr 2020 12:33

Instrument :

BNA_F

ClientSampleId :

TP-12-A

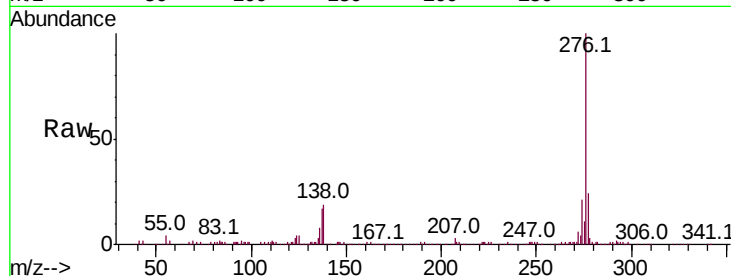
Tot Ion:276 Resp: 268738

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 19.4 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

