

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
 Data File : BF118659.D
 Acq On : 22 Jan 2020 11:07
 Operator : CG/JU
 Sample : L1106-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 12:40:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

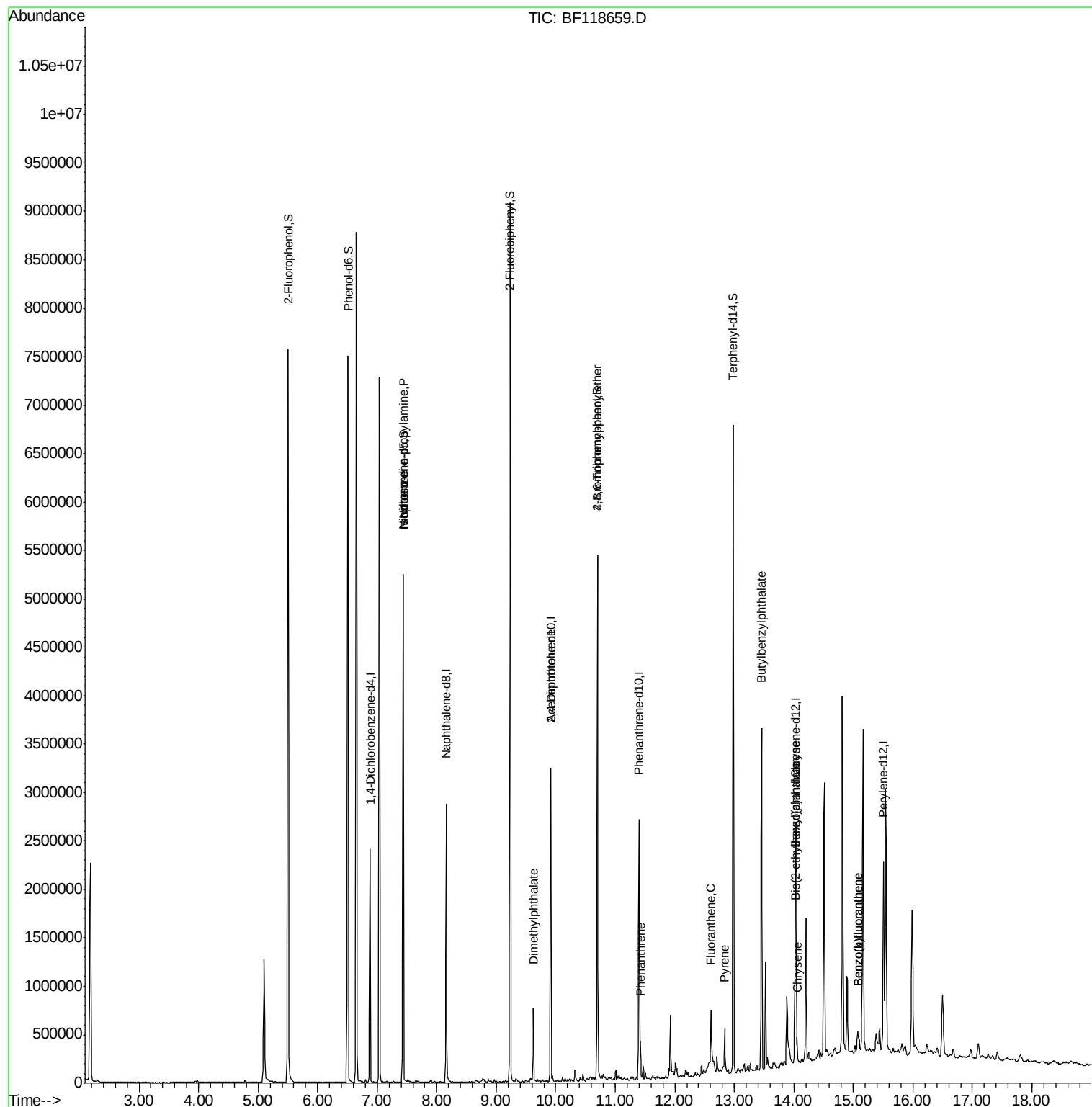
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	376115	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1321778	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	640696	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	934657	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	755782	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1017579	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2447398	120.85	ng	0.00
7) Phenol-d6	6.51	99	3106296	118.01	ng	0.00
23) Nitrobenzene-d5	7.44	82	1927207	81.55	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	759015	102.42	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	3031816	77.78	ng	-0.01
79) Terphenyl-d14	12.98	244	2387553	68.90	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	270777	15.236	ng	# 74
25) Isophorone	7.44	82	1927187	44.712	ng	# 64
50) Dimethylphthalate	9.62	163	298306	7.146	ng	97
57) 2,4-Dinitrotoluene	9.92	165	83794	7.111	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	48255	4.179	ng	# 1
71) Phenanthrene	11.42	178	134064	2.973	ng	91
75) Fluoranthene	12.61	202	188668	3.967	ng	93
78) Pyrene	12.84	202	199949	3.897	ng	# 90
80) Butylbenzylphthalate	13.46	149	765960	36.475	ng	96
81) Benzo(a)anthracene	14.02	228	102913	2.264	ng	97
83) Chrysene	14.06	228	105492	2.421	ng	95
84) Bis(2-ethylhexyl)phthalate	14.02	149	228840	8.920	ng	# 95
88) Benzo(b)fluoranthene	15.07	252	176380	2.758	ng	# 99
89) Benzo(k)fluoranthene	15.07	252	176380	2.976	ng	98

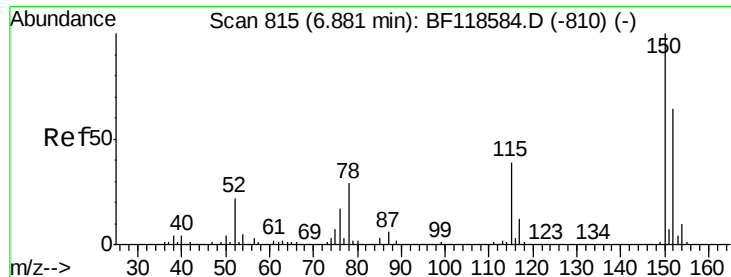
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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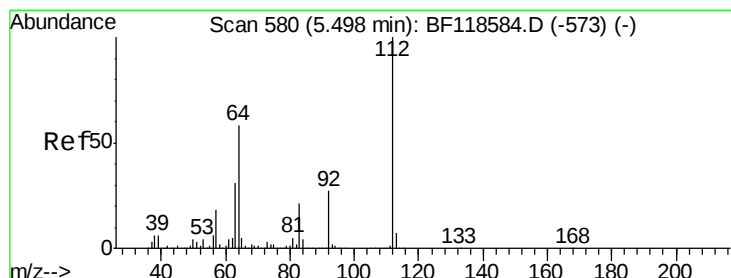
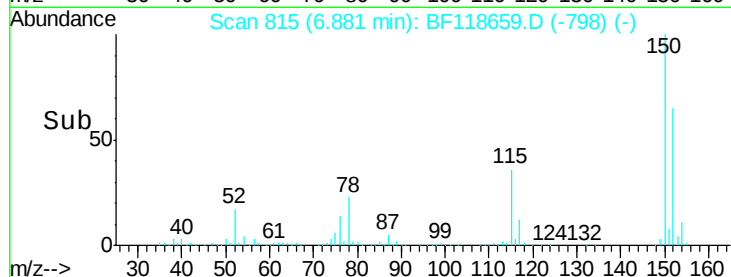
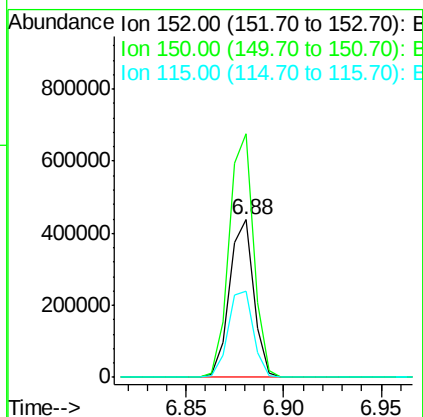
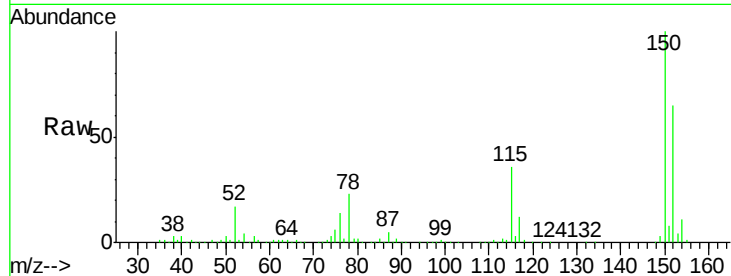


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

Instrument :
BNA_F
ClientSampled :

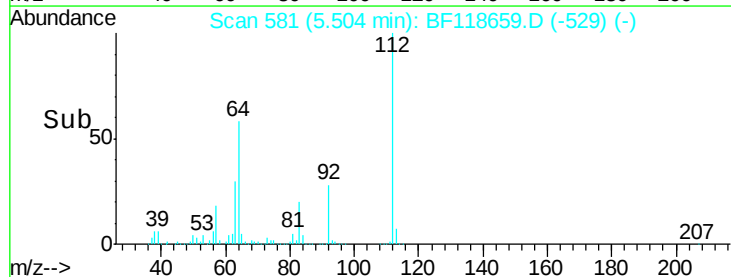
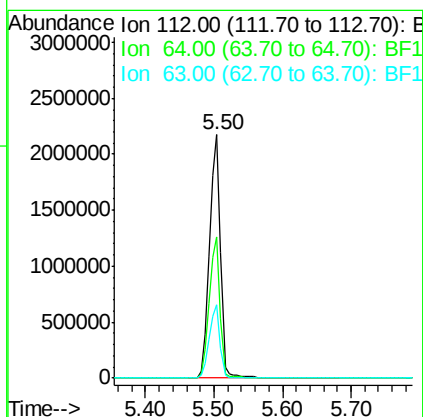
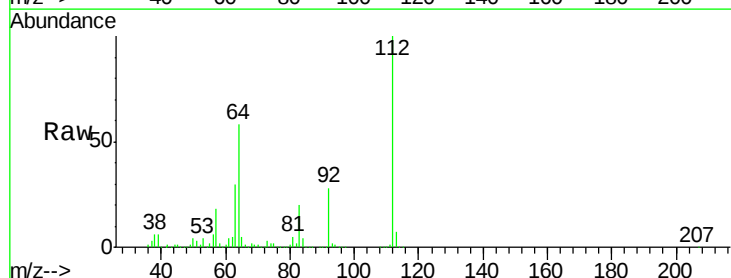
Tot Ion:152 Resp: 376115
Ion Ratio Lower Upper
152 100
150 154.5 125.6 188.4
115 55.1 48.4 72.6

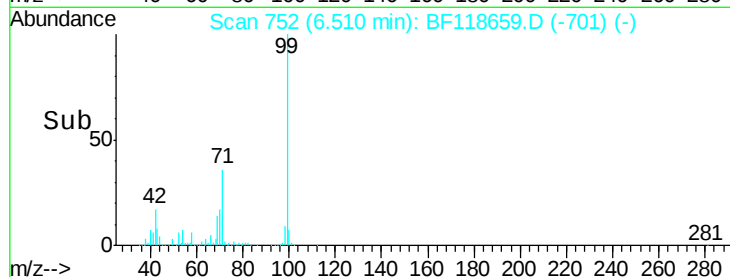
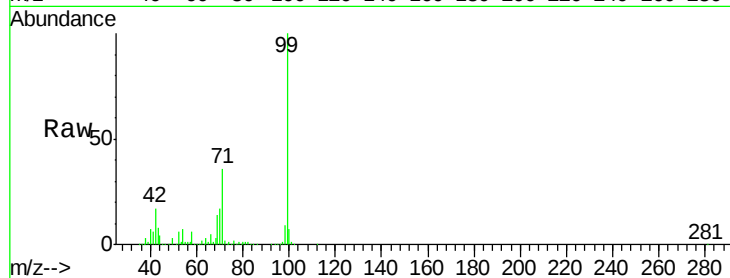
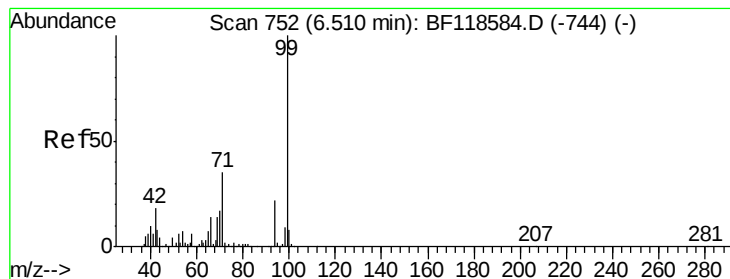


#5

2-Fluorophenol
Concen: 120.852 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

Tgt Ion:112 Resp: 2447398
Ion Ratio Lower Upper
112 100
64 58.0 46.6 70.0
63 30.1 25.1 37.7





#7

Phenol-d6

Concen: 118.015 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampleId :

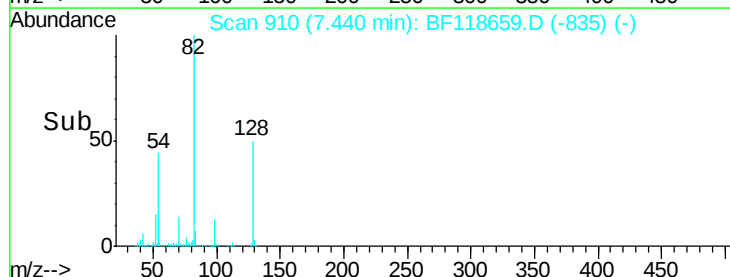
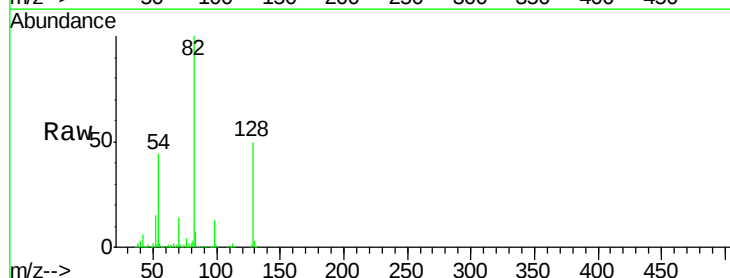
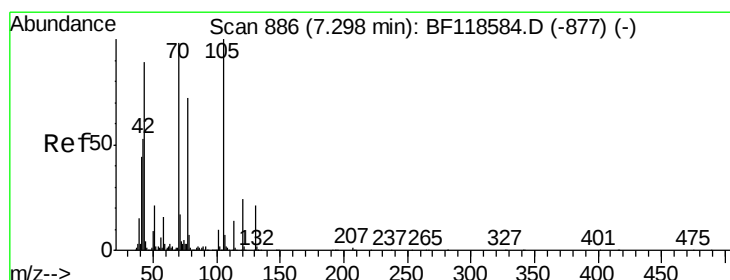
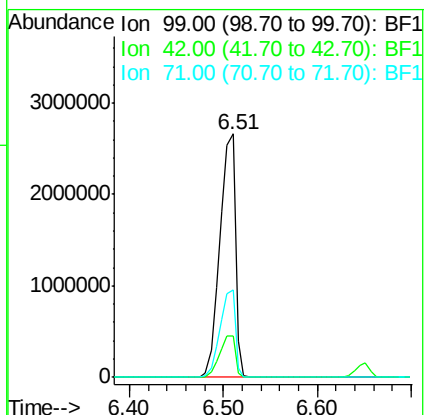
Tot Ion: 99 Resp: 3106296

Ion Ratio Lower Upper

99 100

42 16.9 14.2 21.2

71 35.8 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.236 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Tgt Ion: 70 Resp: 270777

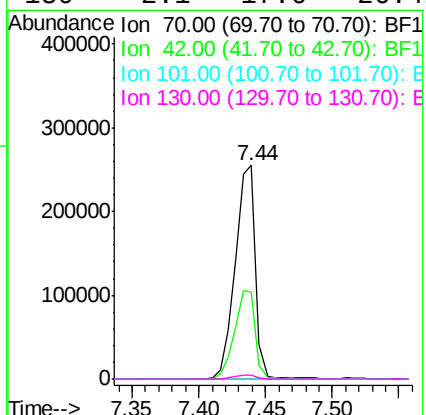
Ion Ratio Lower Upper

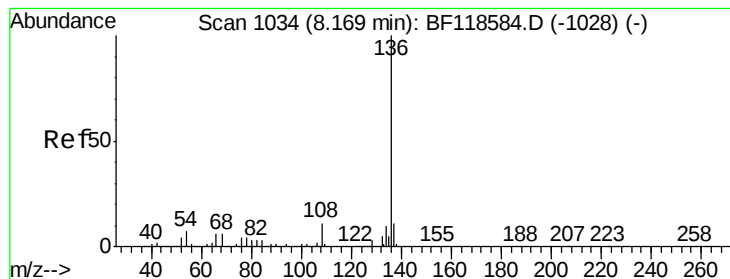
70 100

42 40.8 43.4 65.0#

101 0.0 8.1 12.1#

130 2.1 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1321778

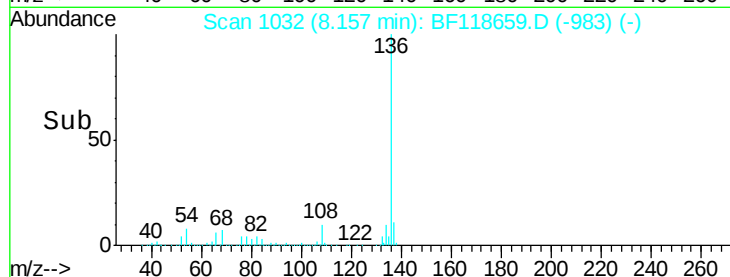
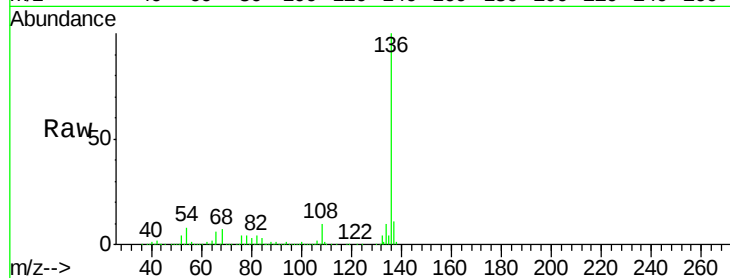
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.6 5.8 8.6

68 6.6 5.0 7.4

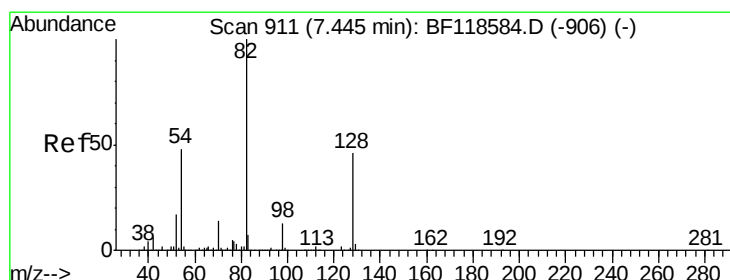
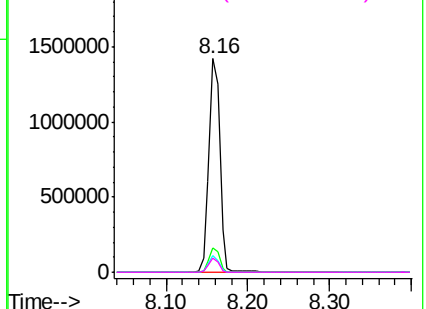


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.554 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

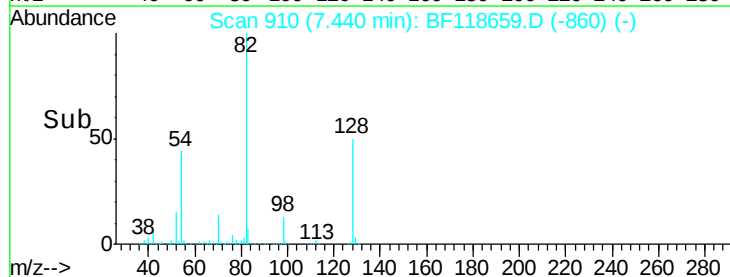
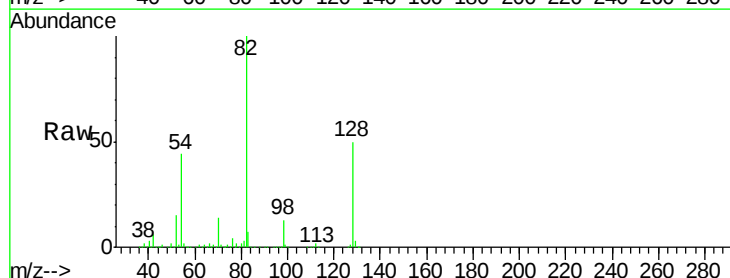
Tgt Ion: 82 Resp: 1927207

Ion Ratio Lower Upper

82 100

128 50.0 36.6 54.8

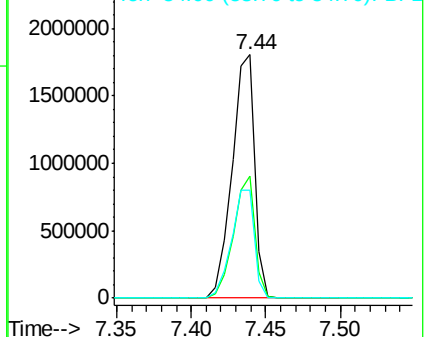
54 44.4 38.0 57.0



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: 44.712 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampleId :

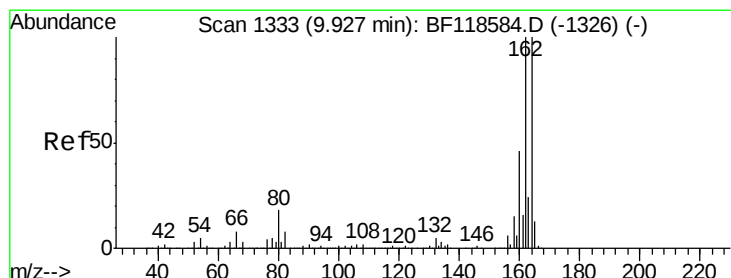
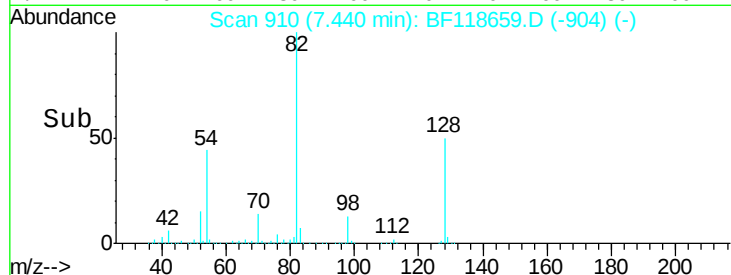
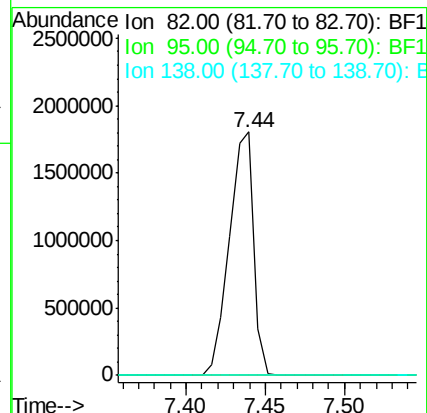
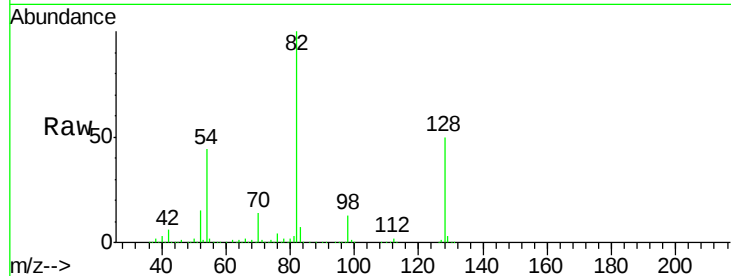
Tot Ion: 82 Resp: 1927187

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

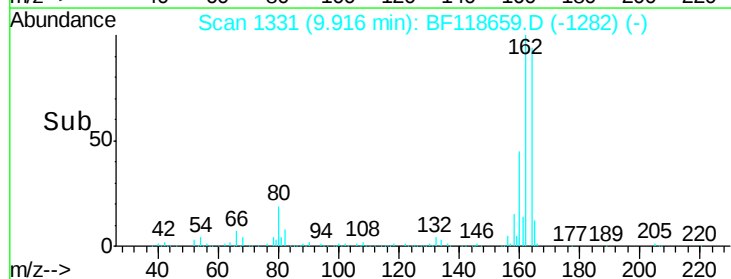
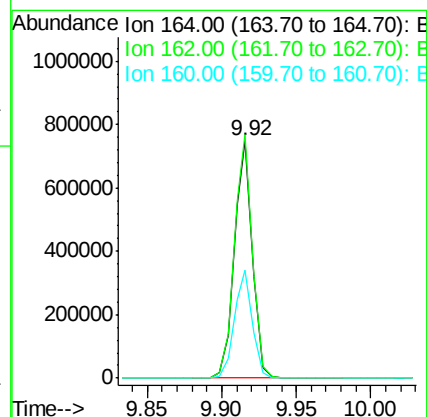
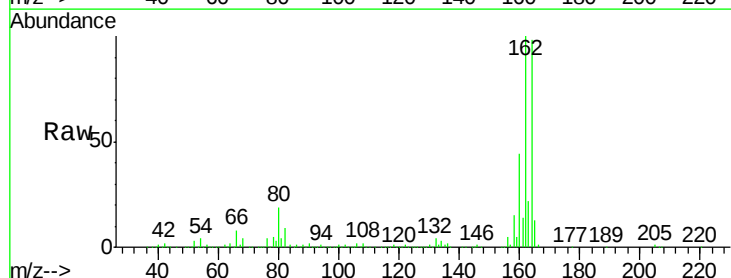
Tgt Ion:164 Resp: 640696

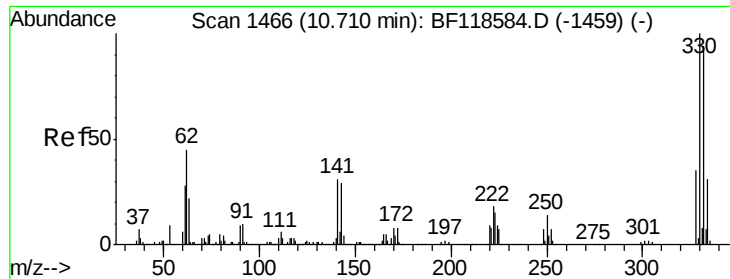
Ion Ratio Lower Upper

164 100

162 102.5 80.4 120.6

160 45.6 36.6 55.0

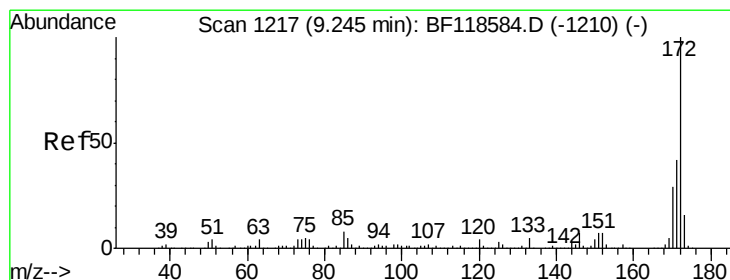
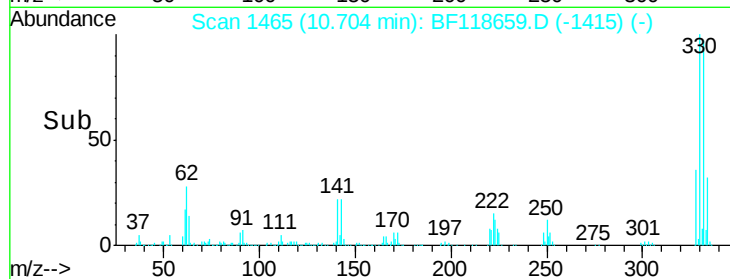
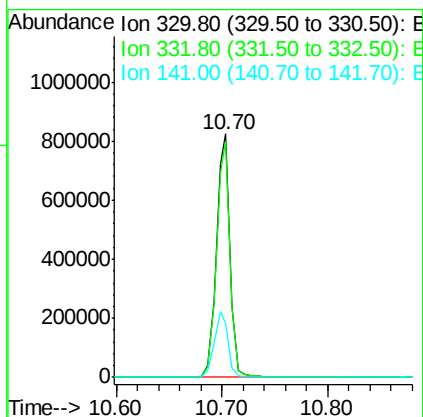
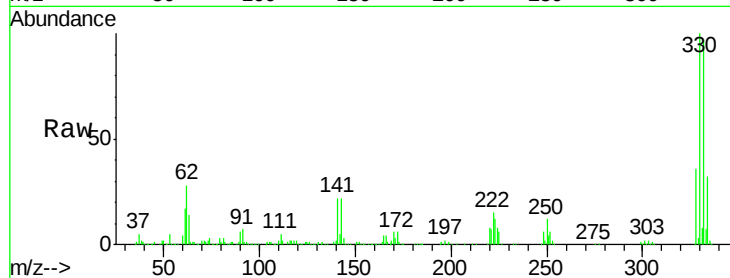




#42
 2,4,6-Tribromophenol
 Concen: 102.425 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118659.D
 Acq: 22 Jan 2020 11:07

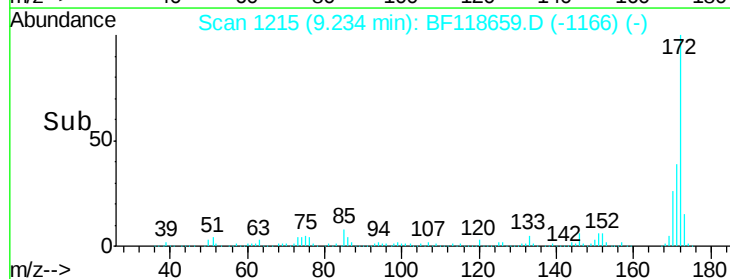
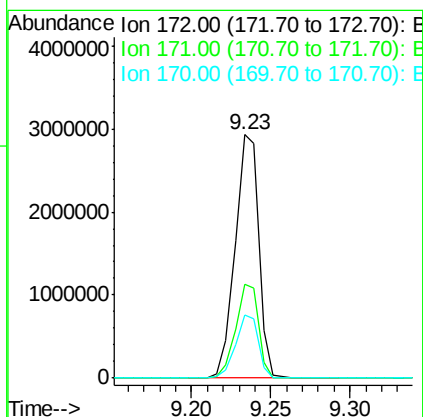
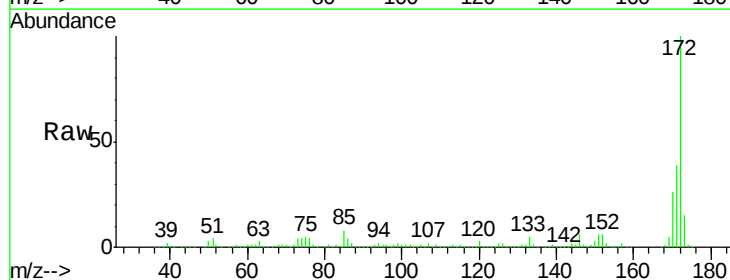
Instrument :
 BNA_F
 ClientSampleId :

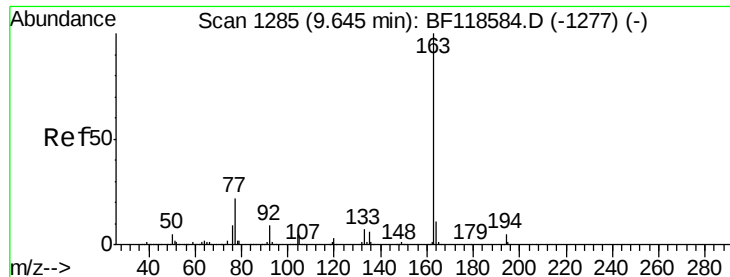
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	27.8	23.9	35.9



#45
 2-Fluorobiphenyl
 Concen: 77.777 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118659.D
 Acq: 22 Jan 2020 11:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	33.4	50.2
170	25.8	23.2	34.8





#50

Dimethylphthalate

Concen: 7.146 ng

RT: 9.62 min Scan# 1281

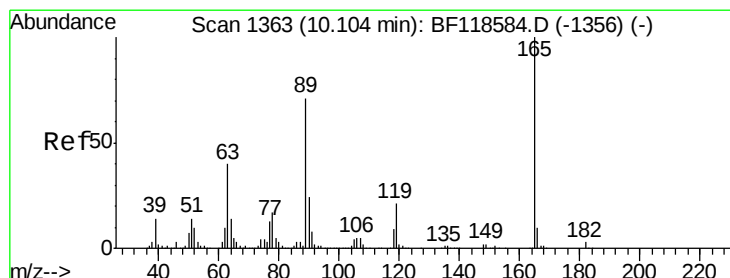
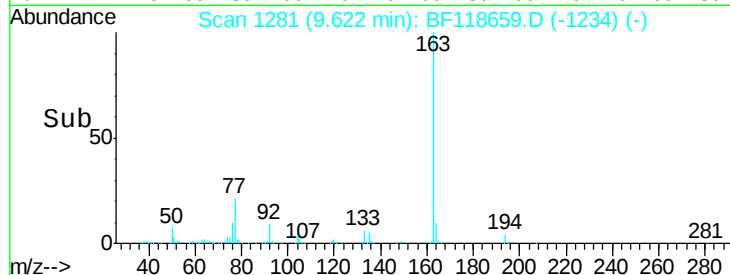
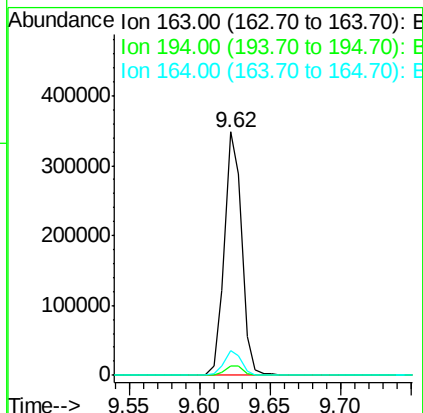
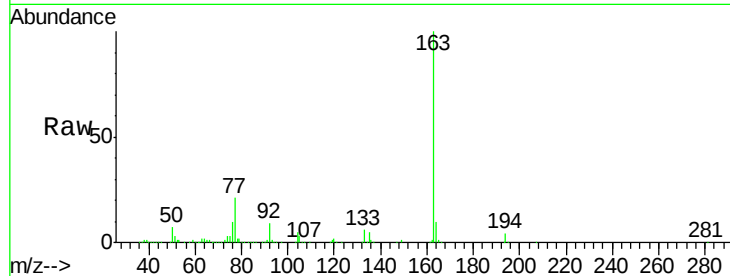
Delta R.T. -0.02 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163	Resp:	298306
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.9 5.9
164	10.3	9.1 13.7



#57

2,4-Dinitrotoluene

Concen: 7.111 ng

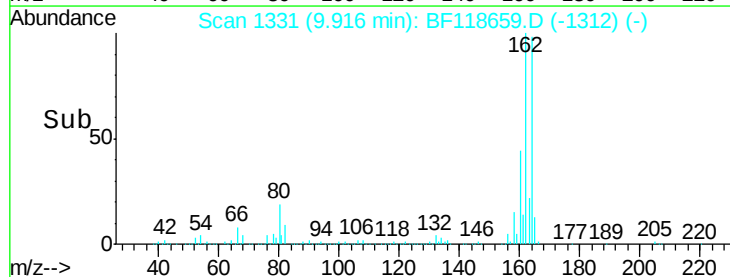
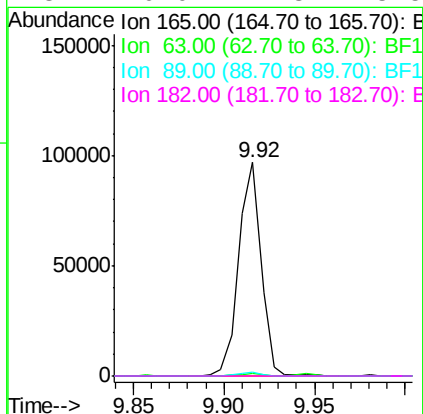
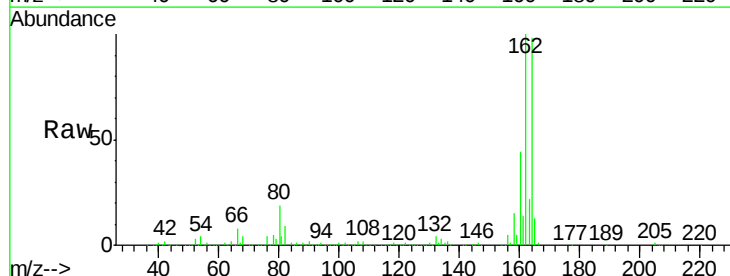
RT: 9.92 min Scan# 1331

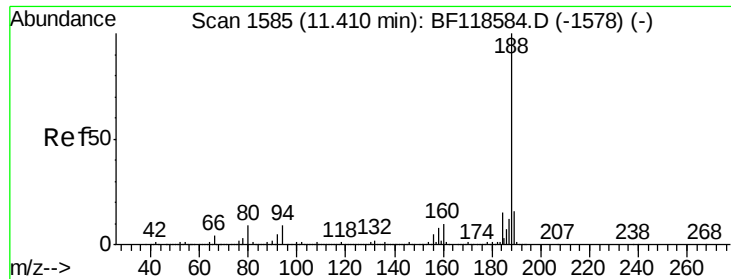
Delta R.T. -0.19 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Tgt Ion:165	Resp:	83794
Ion Ratio	Lower	Upper
165	100	
63	1.1	32.4 48.6#
89	1.6	56.4 84.6#
182	0.0	2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampled :

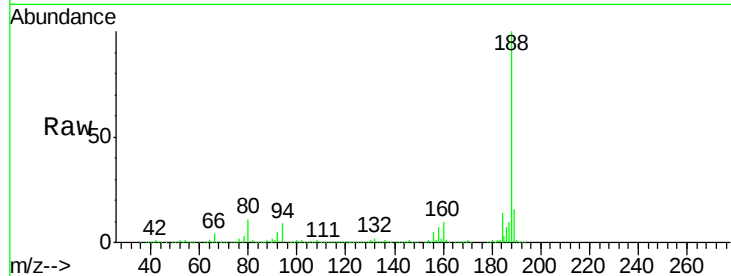
Tot Ion:188 Resp: 934657

Ion Ratio Lower Upper

188 100

94 9.3 7.1 10.7

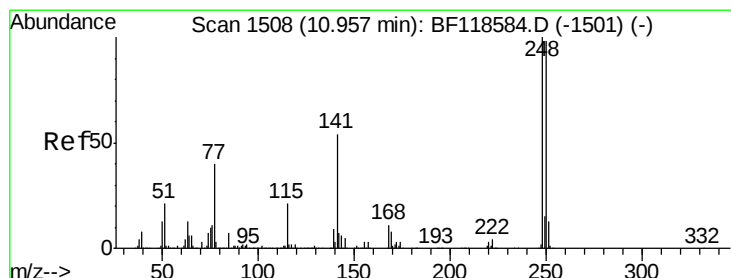
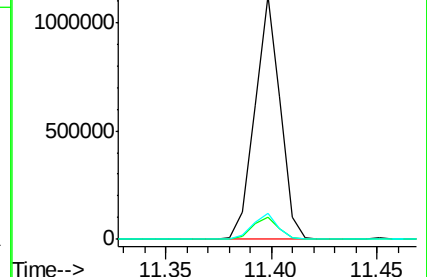
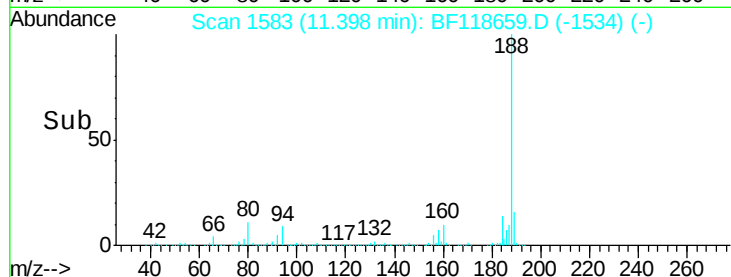
80 10.5 7.5 11.3



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



#67

4-Bromophenyl-phenylether

Concen: 4.179 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.26 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

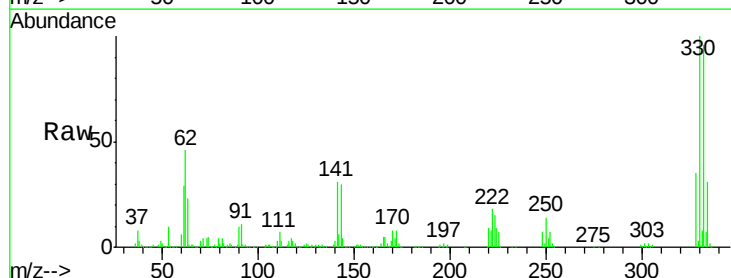
Tgt Ion:248 Resp: 48255

Ion Ratio Lower Upper

248 100

250 196.7 78.7 118.1#

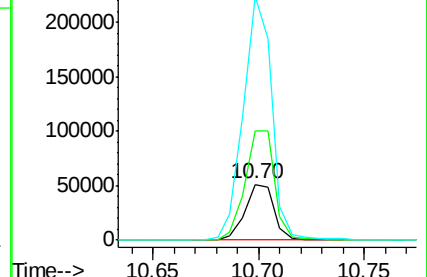
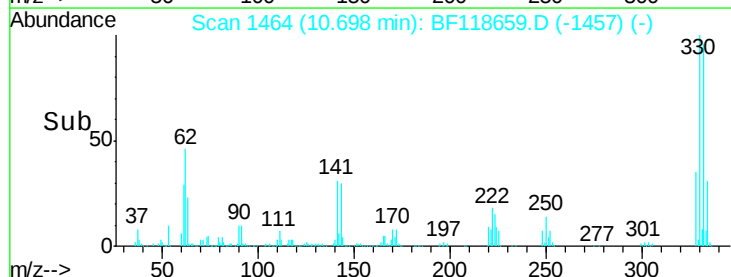
141 438.4 43.2 64.8#

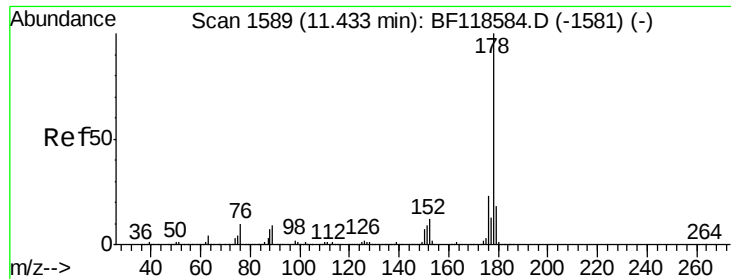


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

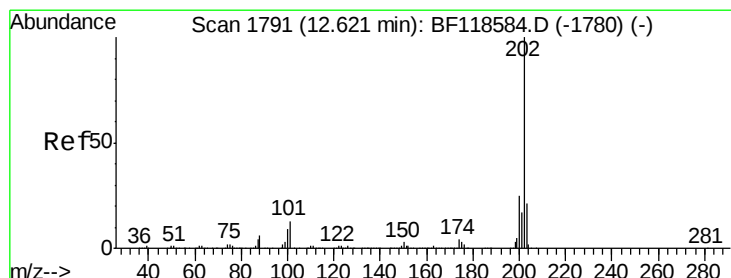
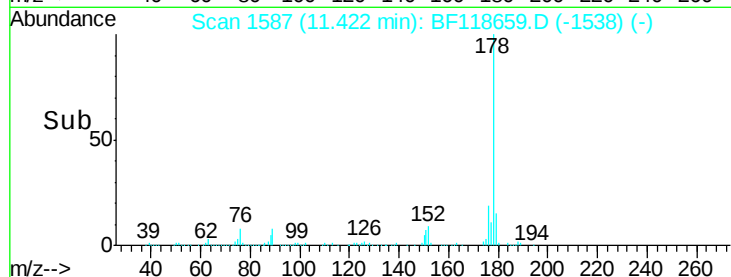
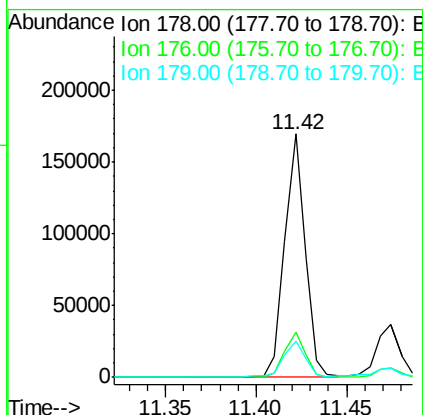
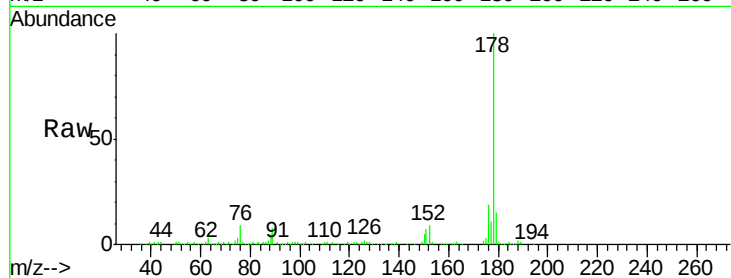




#71
Phenanthrene
Concen: 2.973 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

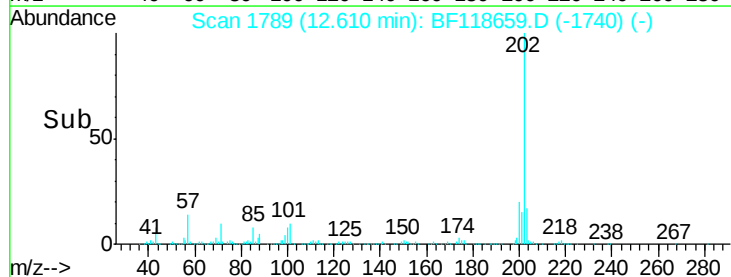
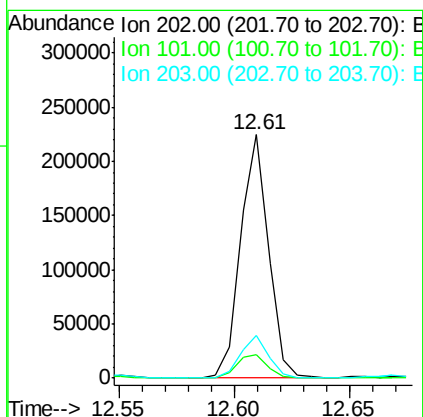
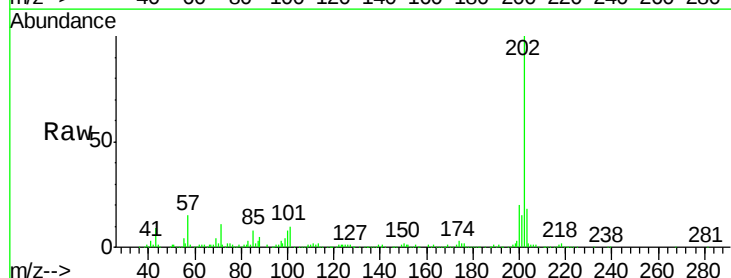
Instrument :
BNA_F
ClientSampleId :

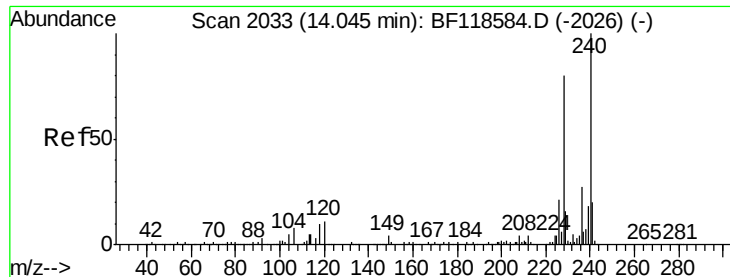
Tot Ion:178 Resp: 134064
Ion Ratio Lower Upper
178 100
176 18.6 18.6 27.8
179 14.9 14.7 22.1



#75
Fluoranthene
Concen: 3.967 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

Tgt Ion:202 Resp: 188668
Ion Ratio Lower Upper
202 100
101 9.9 0.0 32.5
203 17.6 0.8 40.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampled :

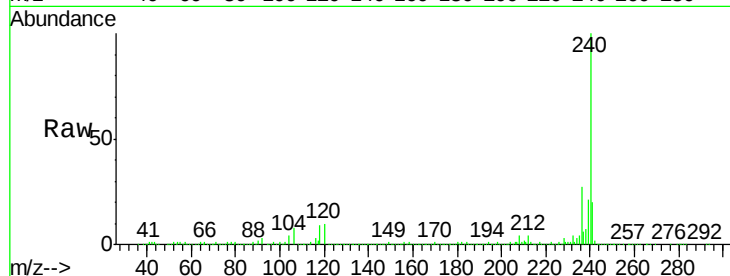
Tot Ion:240 Resp: 755782

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

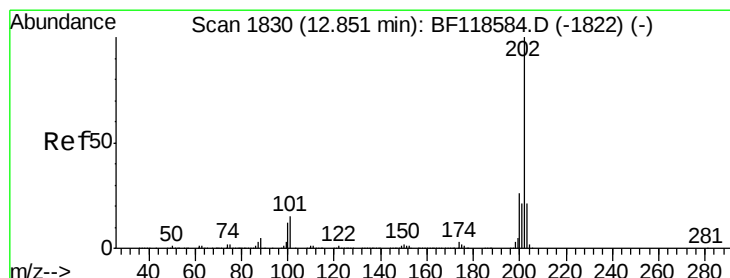
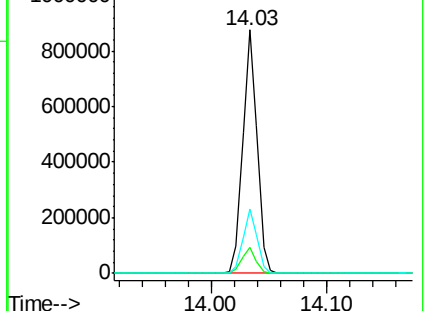
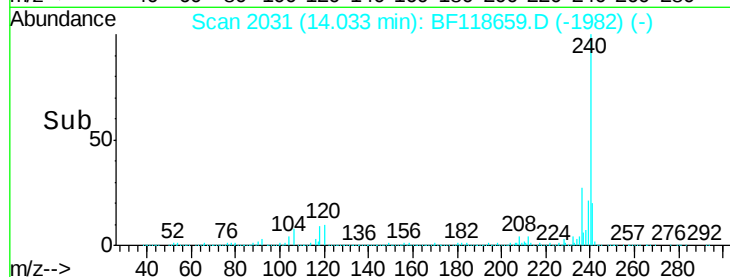
236 26.6 21.5 32.3



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

Pyrene

Concen: 3.897 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

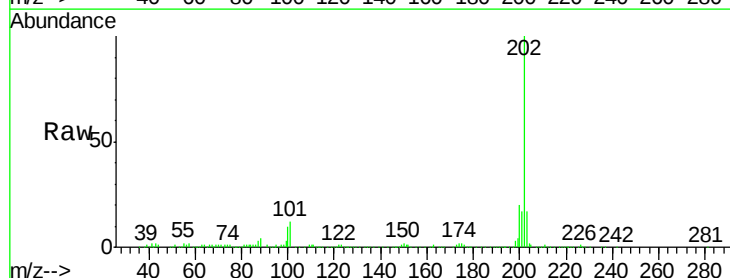
Tgt Ion:202 Resp: 199949

Ion Ratio Lower Upper

202 100

200 20.1 20.6 31.0#

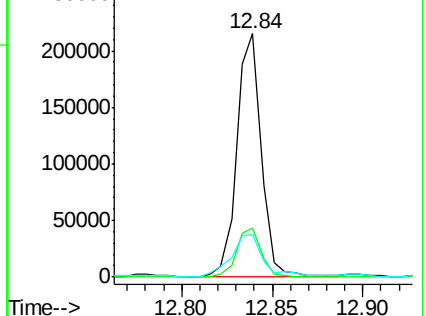
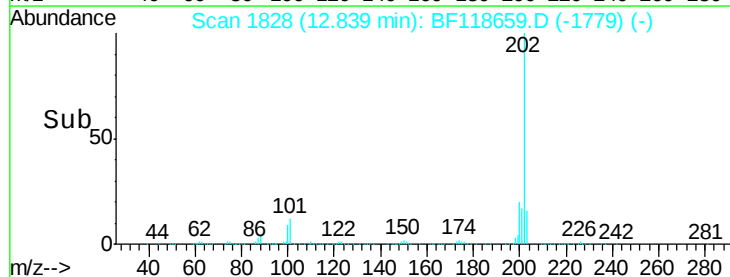
203 17.4 16.8 25.2

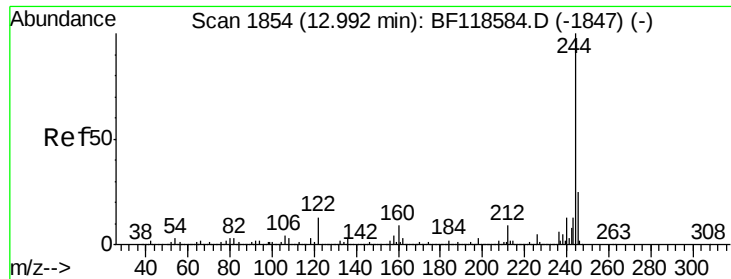


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.902 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampled :

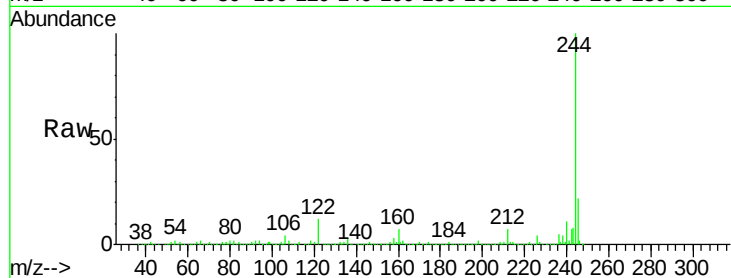
Tot Ion:244 Resp: 2387553

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

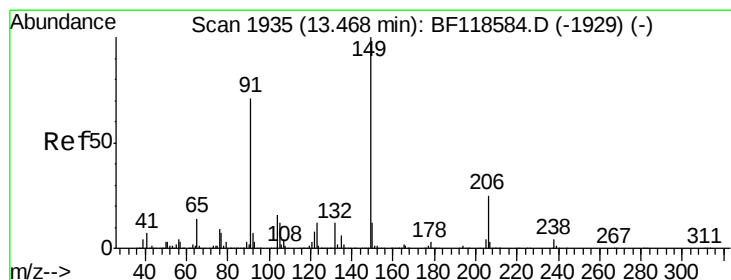
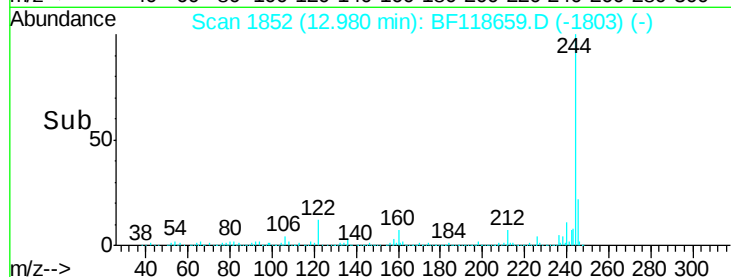
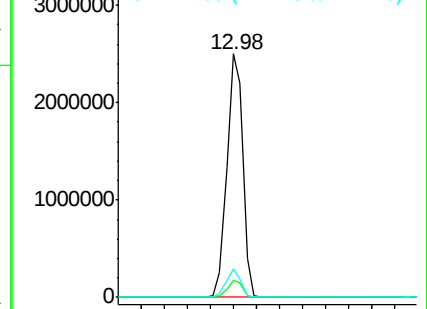
122 11.7 10.7 16.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.475 ng

RT: 13.46 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

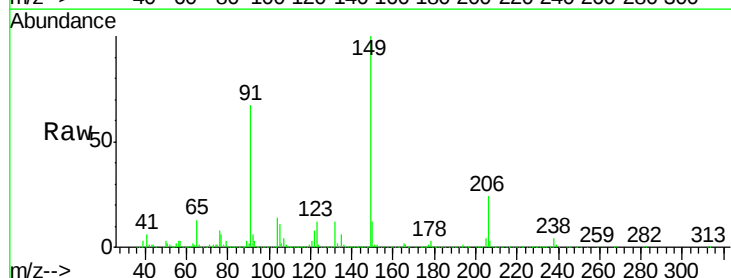
Tgt Ion:149 Resp: 765960

Ion Ratio Lower Upper

149 100

91 67.2 56.5 84.7

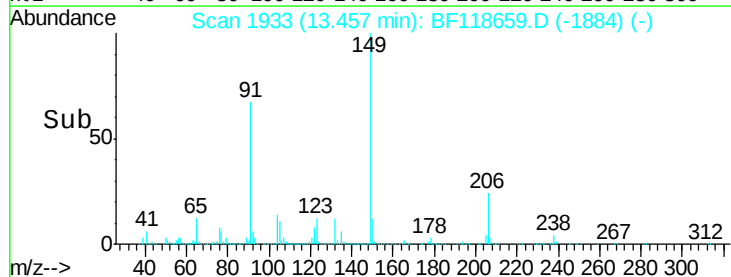
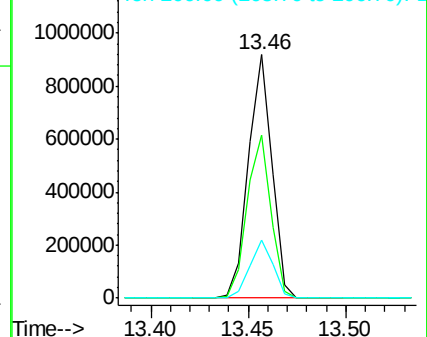
206 23.7 19.9 29.9

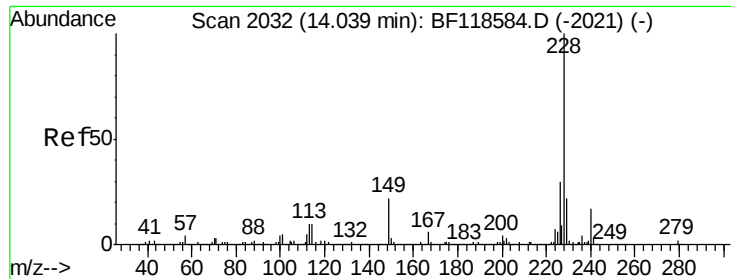


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.264 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

Instrument :

BNA_F

ClientSampleId :

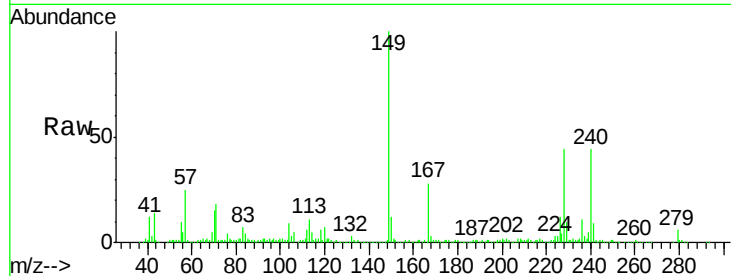
Tot Ion:228 Resp: 102913

Ion Ratio Lower Upper

228 100

226 27.6 24.1 36.1

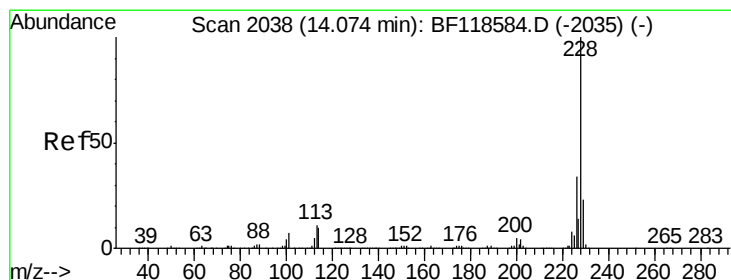
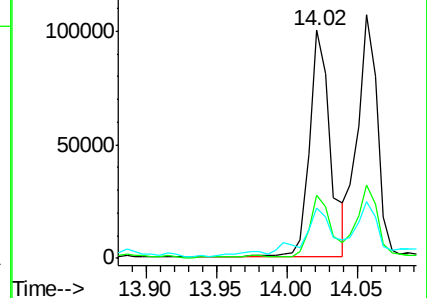
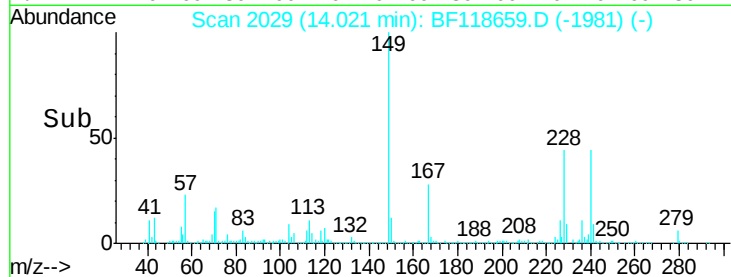
229 22.3 17.6 26.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.421 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF118659.D

Acq: 22 Jan 2020 11:07

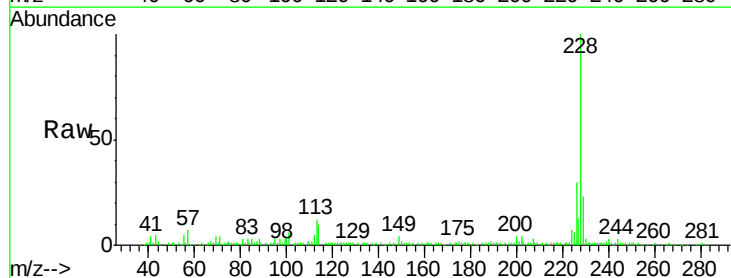
Tgt Ion:228 Resp: 105492

Ion Ratio Lower Upper

228 100

226 30.1 27.4 41.0

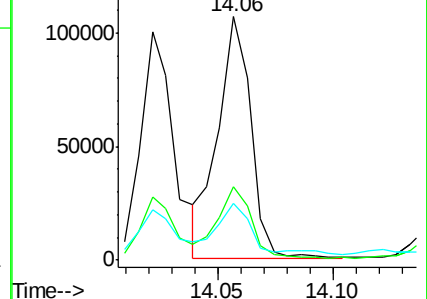
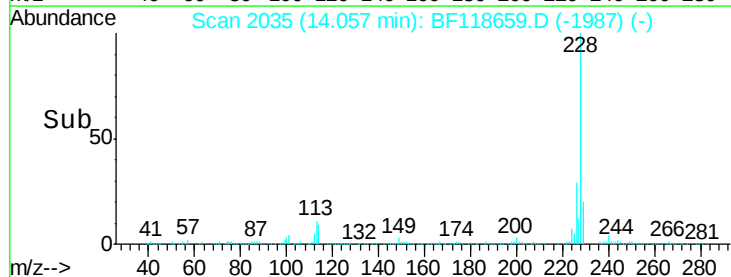
229 23.2 18.3 27.5

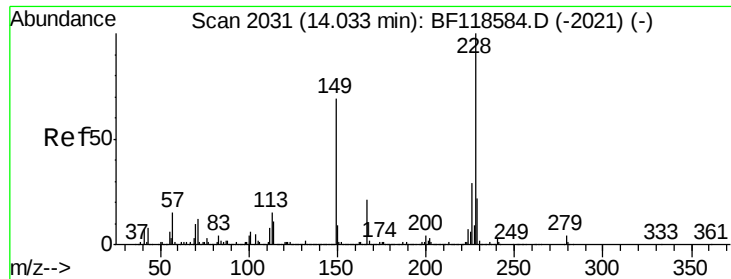


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

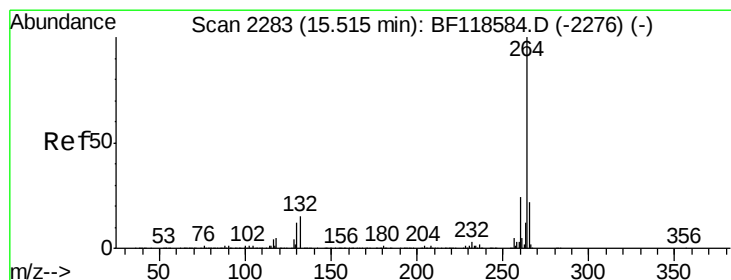
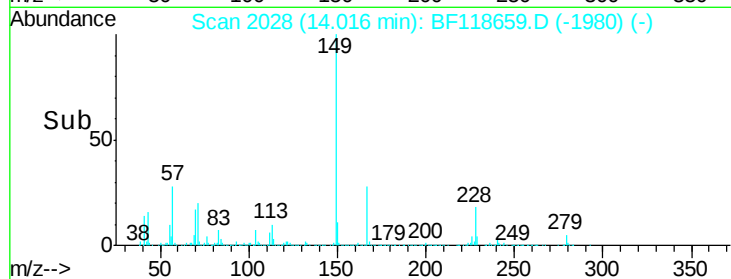
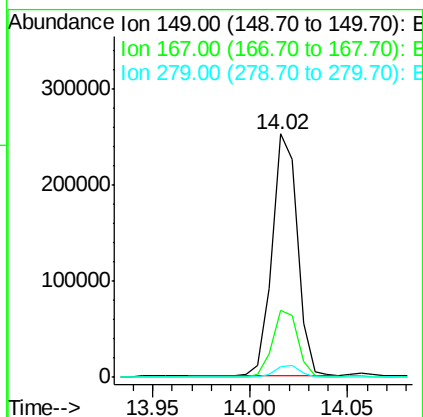
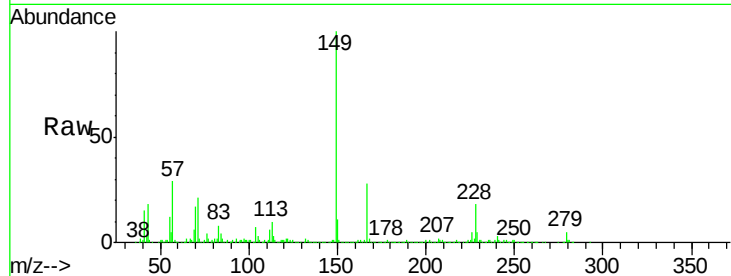




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.920 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF118659.D
 Acq: 22 Jan 2020 11:07

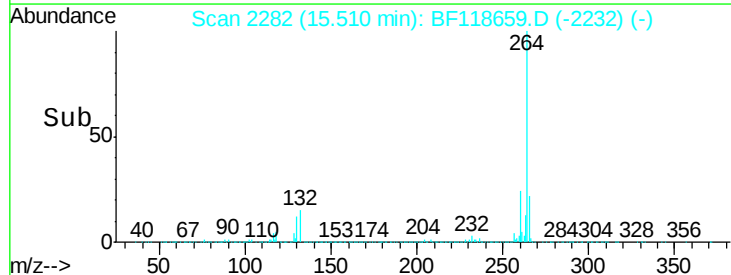
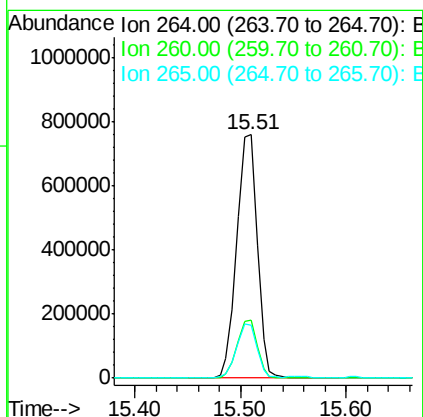
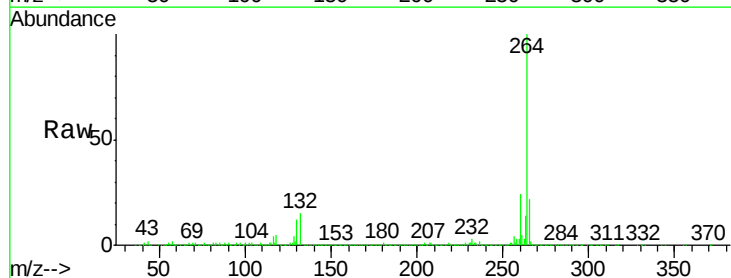
Instrument :
 BNA_F
 ClientSampleId :

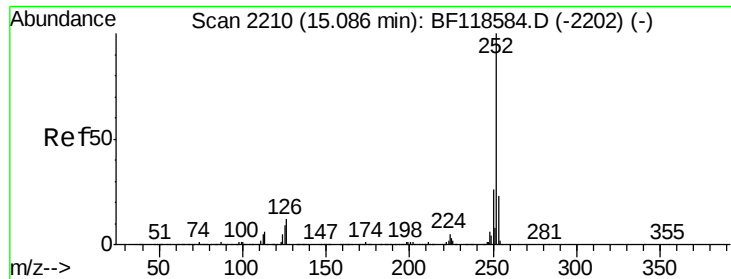
Tot Ion:149 Resp: 228840
 Ion Ratio Lower Upper
 149 100
 167 27.6 24.2 36.4
 279 4.5 5.0 7.4#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF118659.D
 Acq: 22 Jan 2020 11:07

Tgt Ion:264 Resp: 1017579
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 21.7 17.7 26.5

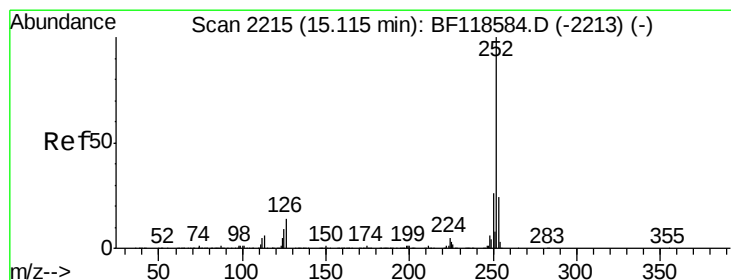
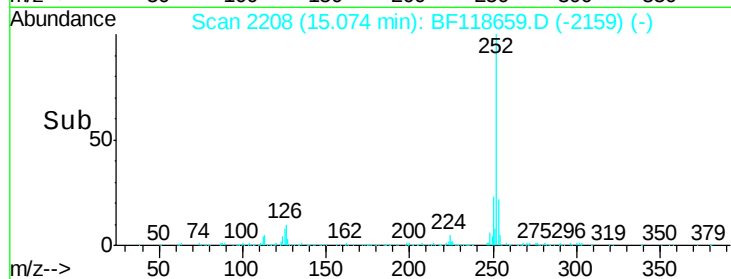
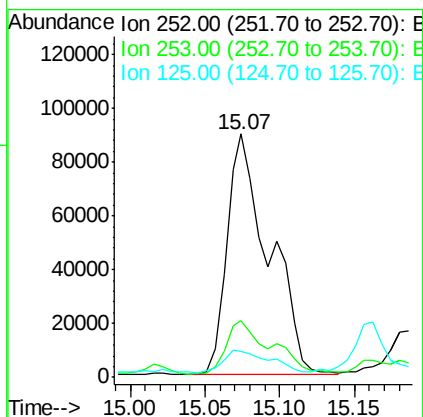
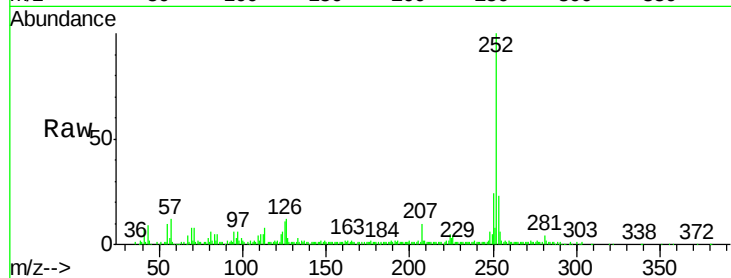




#88
Benzo(b)fluoranthene
Concen: 2.758 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	10.9	7.3	10.9



#89
Benzo(k)fluoranthene
Concen: 2.976 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF118659.D
Acq: 22 Jan 2020 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.4
125	10.9	7.6	11.4

