

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033120\
 Data File : BF119659.D
 Acq On : 31 Mar 2020 18:34
 Operator : MA/SJ
 Sample : L2055-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(1-3)

Quant Time: Apr 01 00:03:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 31 14:11:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	316747	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1131384	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	523783	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	815173	20.00	ng	0.00
76) Chrysene-d12	14.02	240	539827	20.00	ng	0.00
87) Perylene-d12	15.49	264	481797	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1837735	92.36	ng	0.01
7) Phenol-d6	6.46	99	2344187	92.23	ng	0.00
23) Nitrobenzene-d5	7.39	82	1423342	68.37	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	456064	84.40	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2321019	65.65	ng	0.00
79) Terphenyl-d14	12.96	244	1777381	64.51	ng	0.00

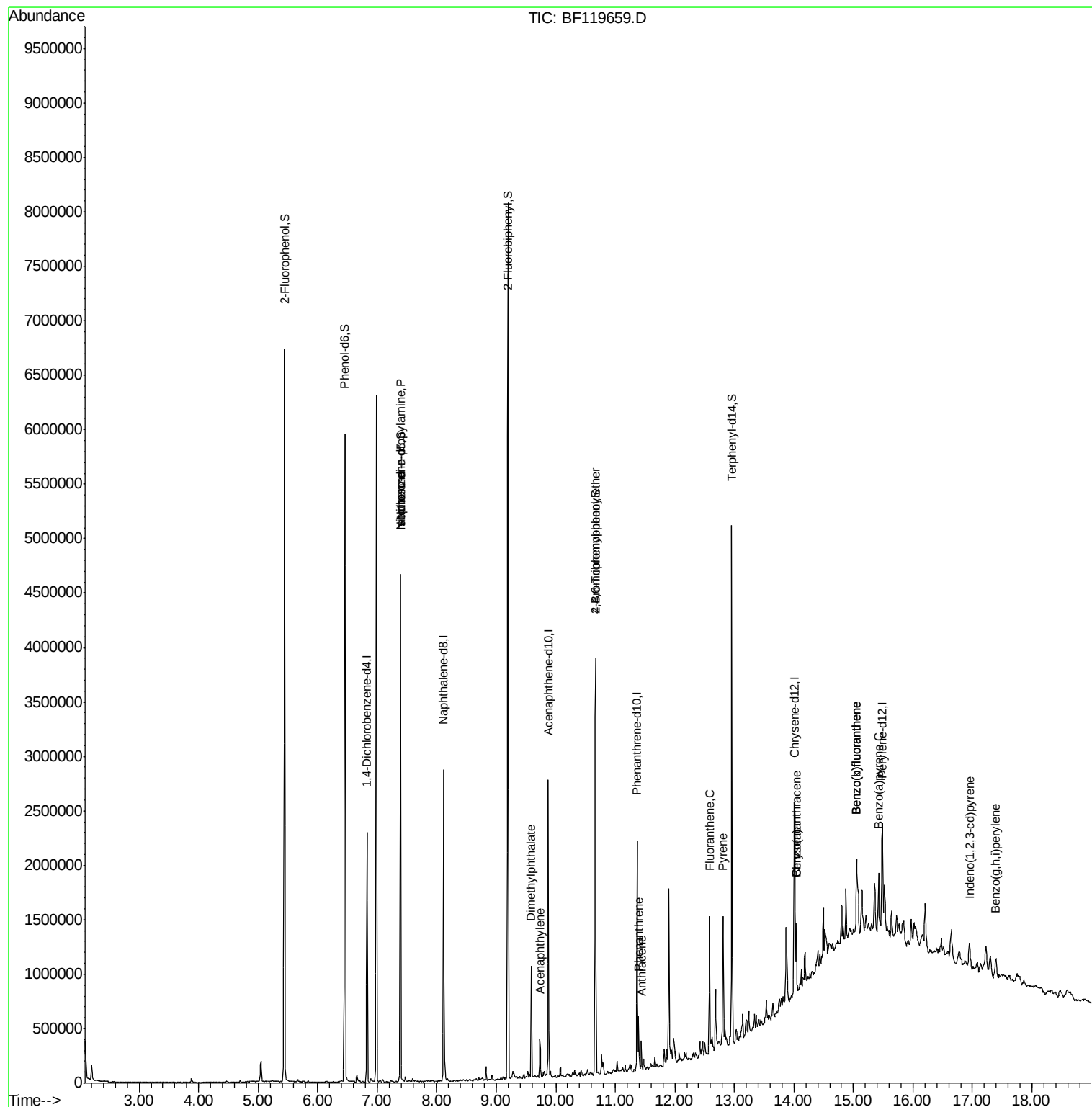
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	189011	12.34	ng	# 76
25) Isophorone	7.39	82	1411397	33.42	ng	# 65
49) Acenaphthylene	9.73	152	138578	2.64	ng	96
50) Dimethylphthalate	9.59	163	373752	10.05	ng	100
67) 4-Bromophenyl-phenylether	10.67	248	27501	2.96	ng	# 1
71) Phenanthrene	11.39	178	191644	4.53	ng	96
72) Anthracene	11.44	178	98234	2.29	ng	97
75) Fluoranthene	12.58	202	484821	10.60	ng	99
78) Pyrene	12.81	202	501366	11.32	ng	99
81) Benzo(a)anthracene	14.04	228	254085	7.24	ng	94
83) Chrysene	14.04	228	254085	7.01	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	159078	4.66	ng	96
88) Benzo(b)fluoranthene	15.06	252	498770	15.50	ng	# 91
89) Benzo(k)fluoranthene	15.06	252	498770	16.28	ng	# 92
90) Benzo(a)pyrene	15.42	252	257985	8.82	ng	# 93
92) Benzo(g,h,i)perylene	17.39	276	158334	6.16	ng	# 94

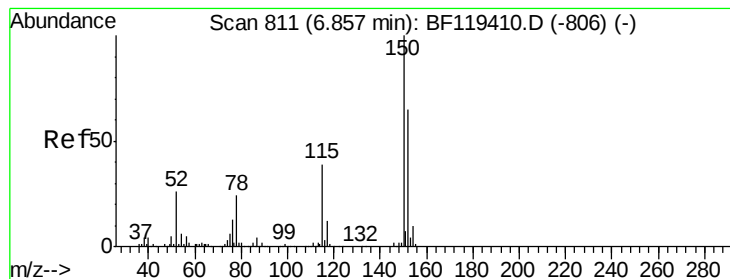
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033120\
Data File : BF119659.D
Acq On : 31 Mar 2020 18:34
Operator : MA/SJ
Sample : L2055-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Quant Time: Apr 01 00:03:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 31 14:11:44 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

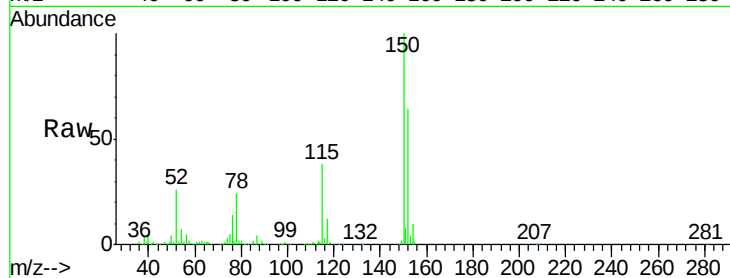
Tgt Ion:152 Resp: 316747

Ion Ratio Lower Upper

152 100

150 157.2 124.5 186.7

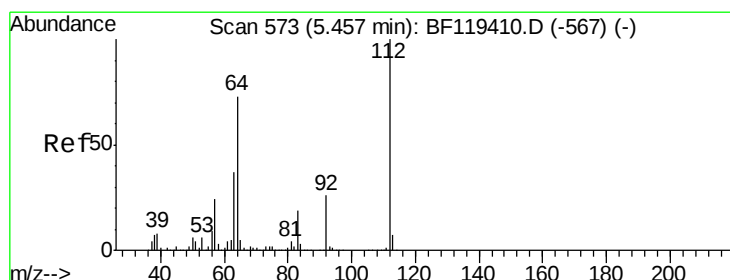
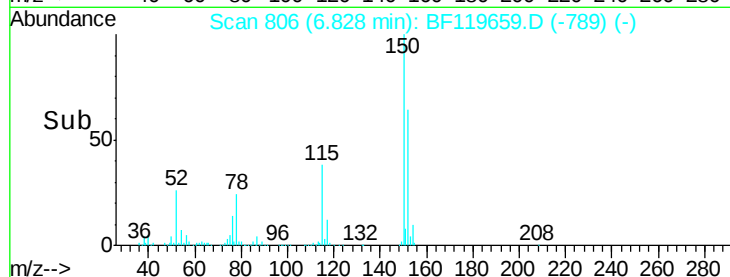
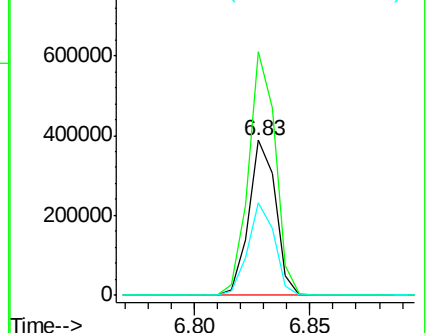
115 59.8 49.6 74.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 92.36 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

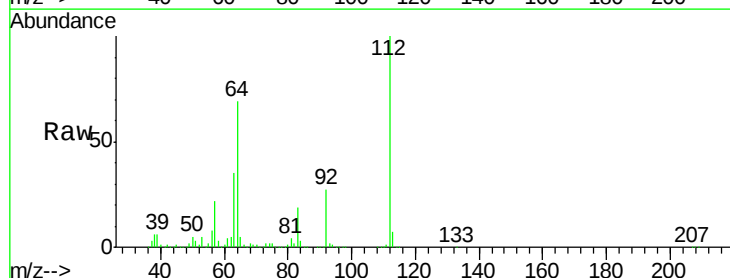
Tgt Ion:112 Resp: 1837735

Ion Ratio Lower Upper

112 100

64 69.0 56.7 85.1

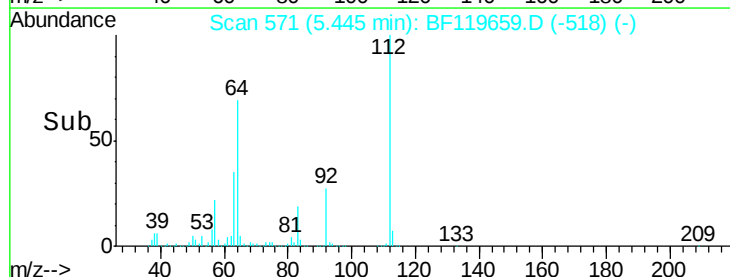
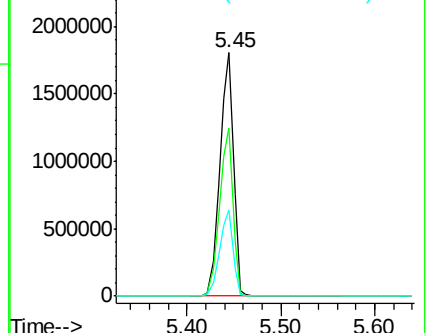
63 35.4 29.5 44.3

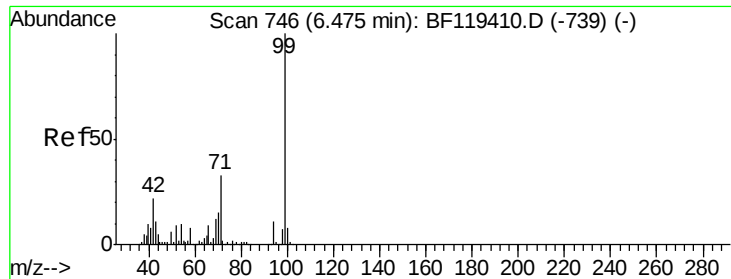


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.23 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

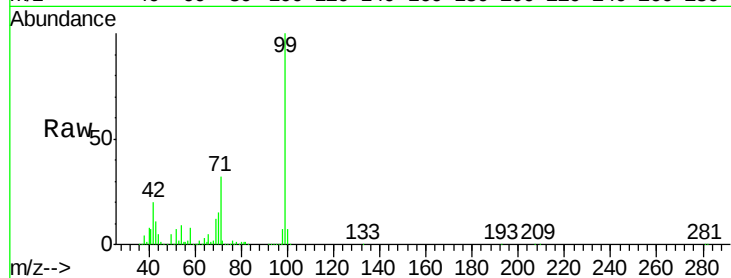
Tgt Ion: 99 Resp: 2344187

Ion Ratio Lower Upper

99 100

42 19.9 16.6 24.8

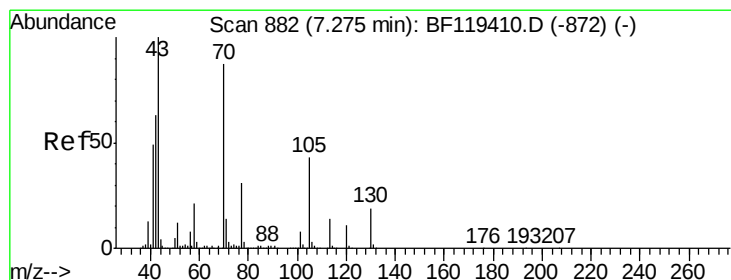
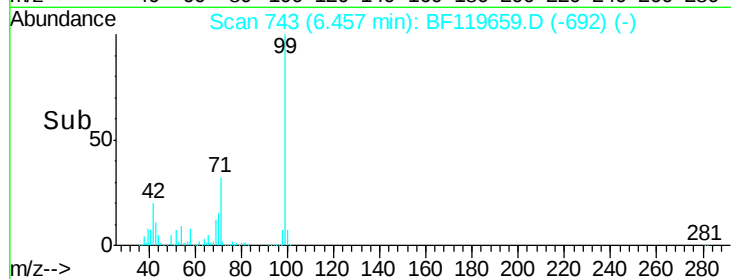
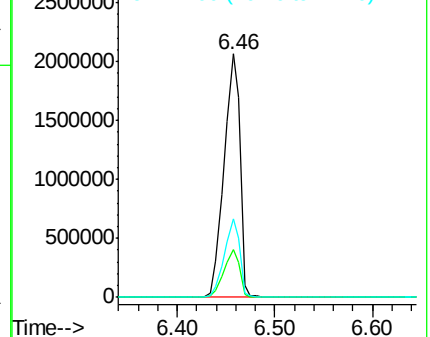
71 32.5 26.4 39.6



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: 12.34 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Tgt Ion: 70 Resp: 189011

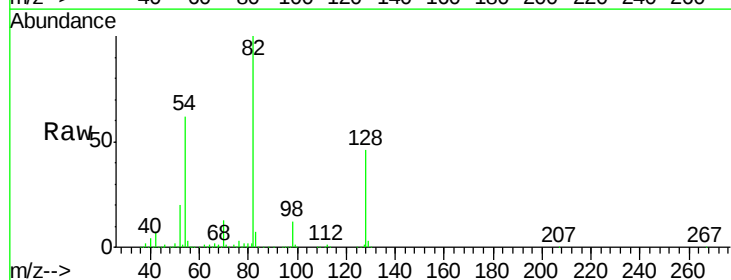
Ion Ratio Lower Upper

70 100

42 53.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

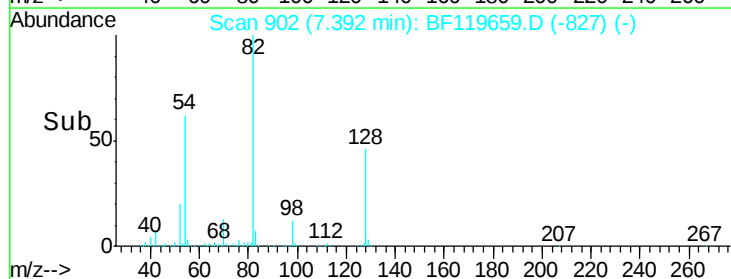
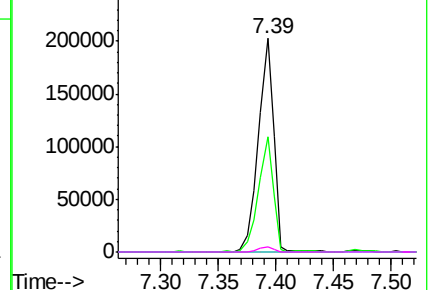


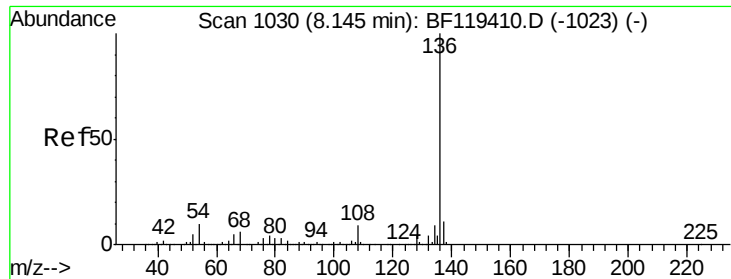
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

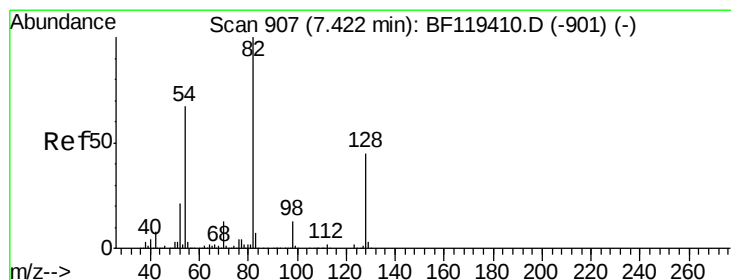
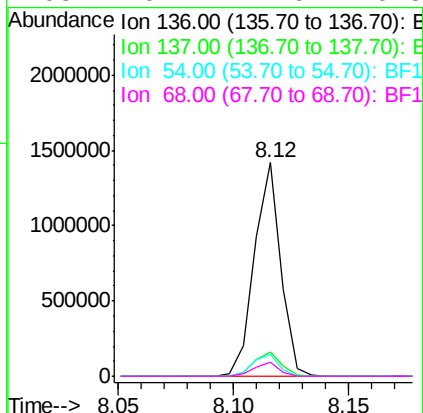
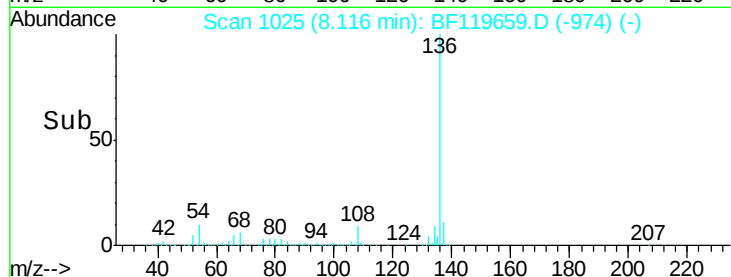
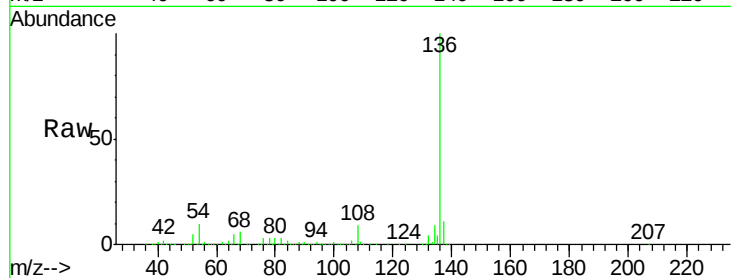




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF119659.D
Acq: 31 Mar 2020 18:34

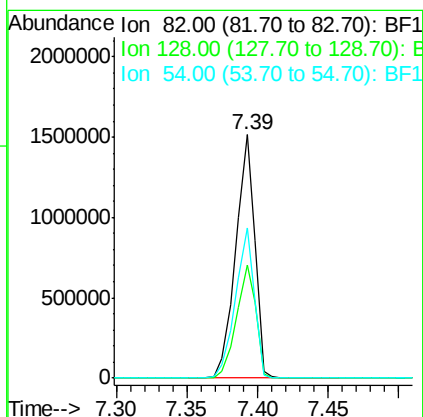
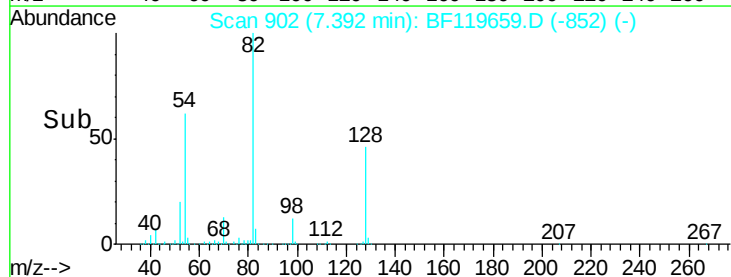
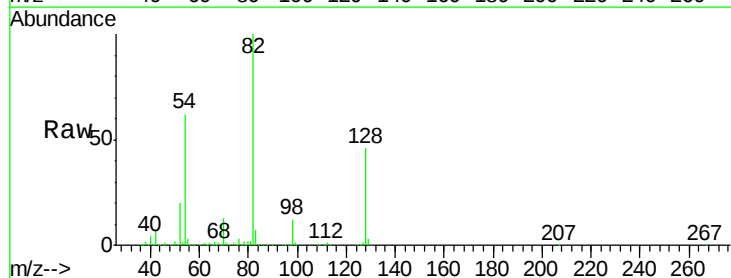
Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

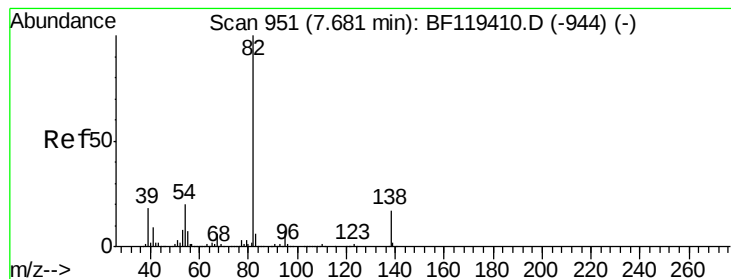
Tgt Ion:	136	Resp:	1131384
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.2	9.1	13.7
68	6.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 68.37 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119659.D
Acq: 31 Mar 2020 18:34

Tgt Ion:	82	Resp:	1423342
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.3	54.5
54	61.8	50.6	75.8





#25

Isophorone

Concen: 33.42 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

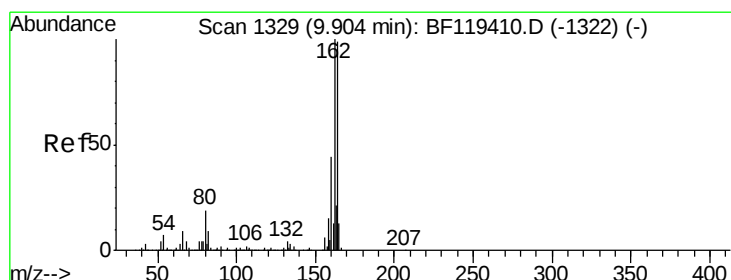
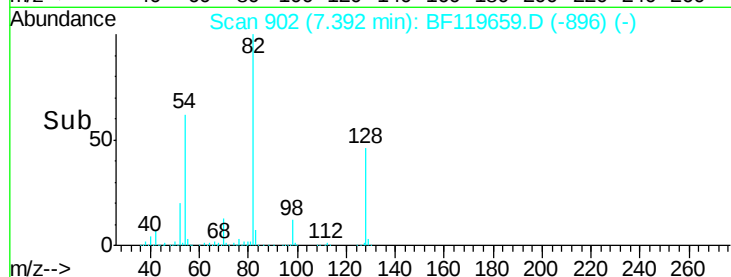
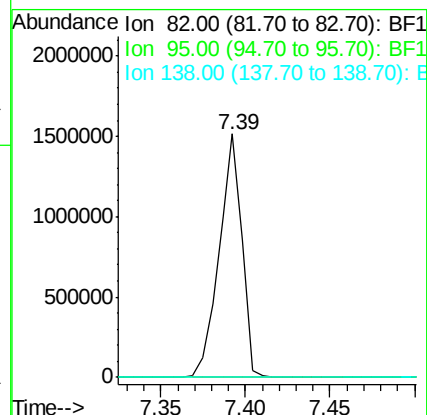
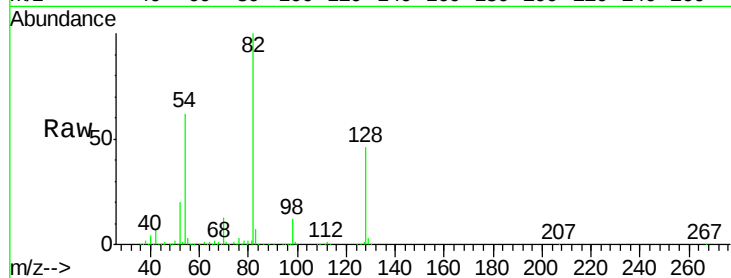
Tgt Ion: 82 Resp: 1411397

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

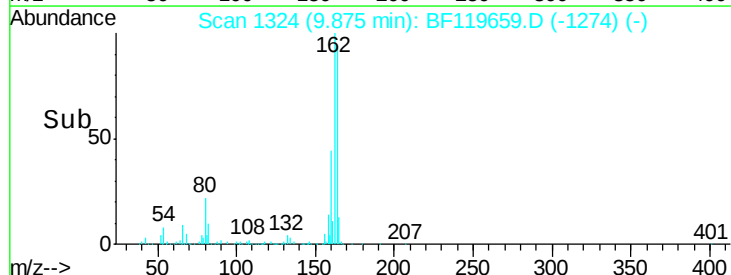
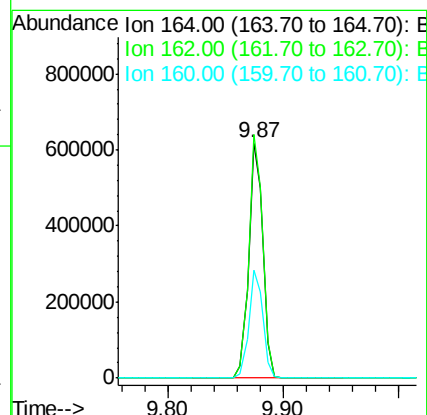
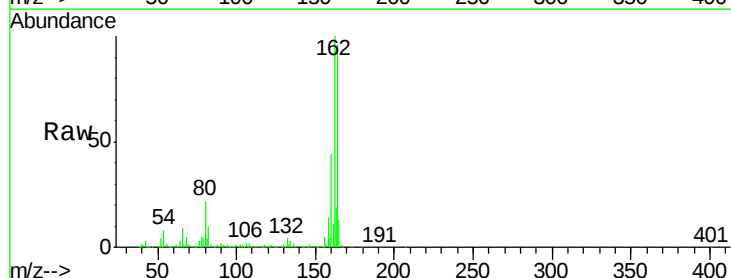
Tgt Ion: 164 Resp: 523783

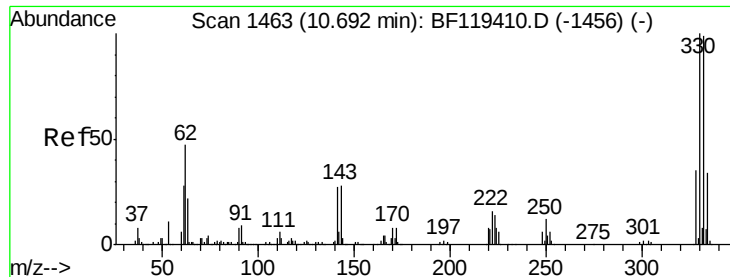
Ion Ratio Lower Upper

164 100

162 103.7 80.6 121.0

160 45.9 35.7 53.5

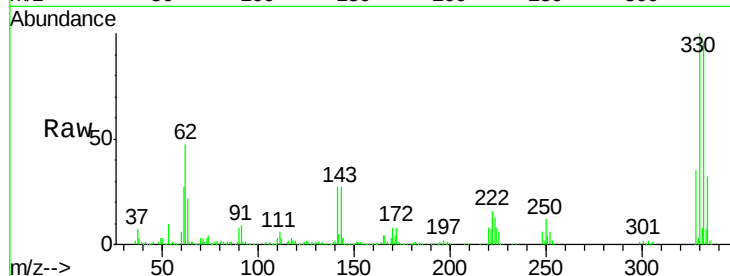




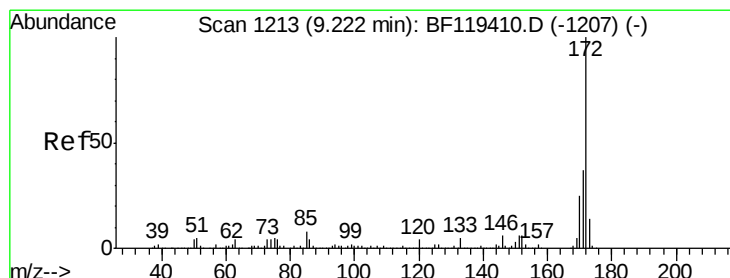
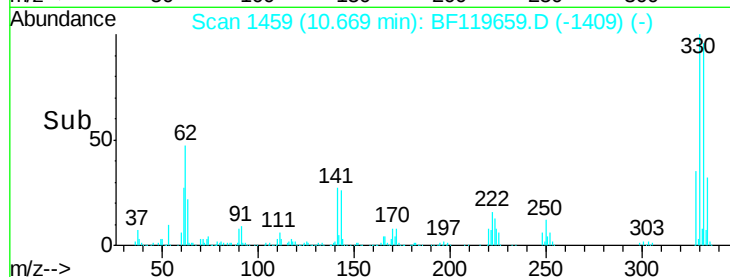
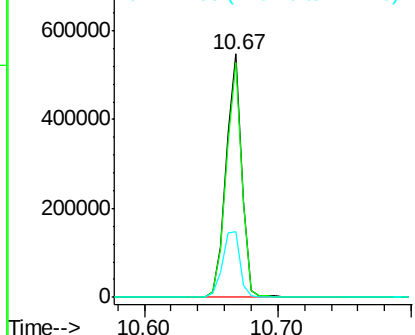
#42
 2,4,6-Tribromophenol
 Concen: 84.40 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119659.D
 Acq: 31 Mar 2020 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(1-3)

Tgt Ion:330 Resp: 456064
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.7 113.5
 141 30.3 25.4 38.0

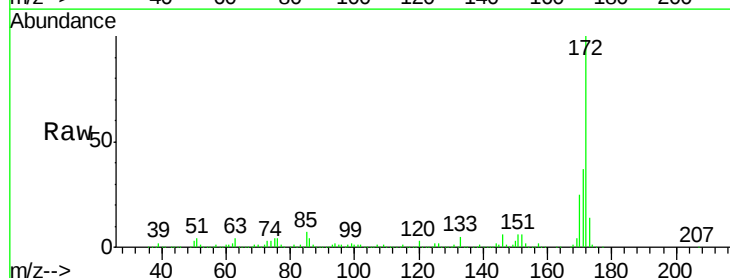


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

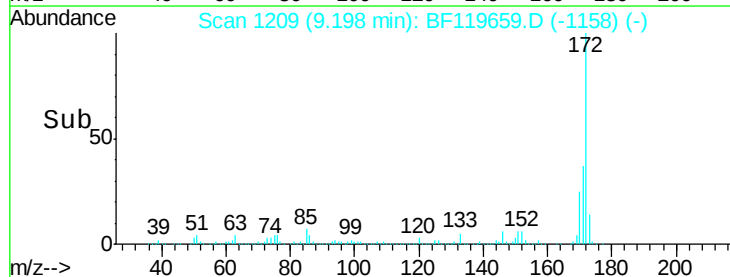
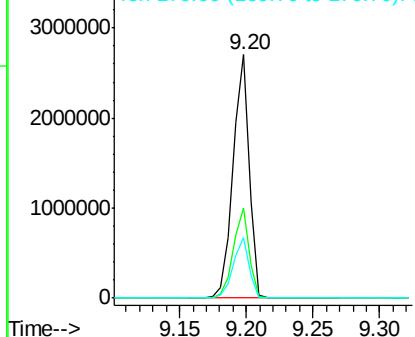


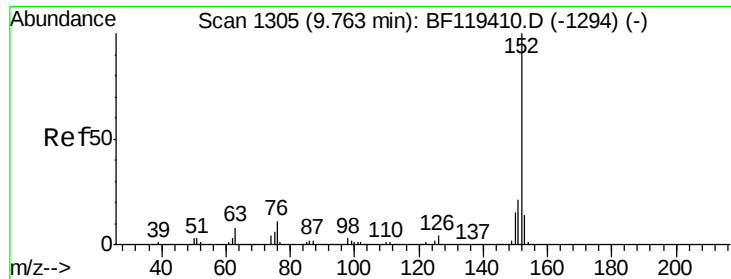
#45
 2-Fluorobiphenyl
 Concen: 65.65 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF119659.D
 Acq: 31 Mar 2020 18:34

Tgt Ion:172 Resp: 2321019
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.9 20.2 30.2



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





#49

Acenaphthylene

Concen: 2.64 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

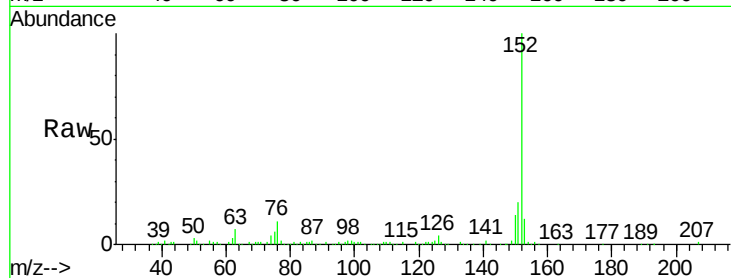
Tgt Ion:152 Resp: 138578

Ion Ratio Lower Upper

152 100

151 19.7 17.2 25.8

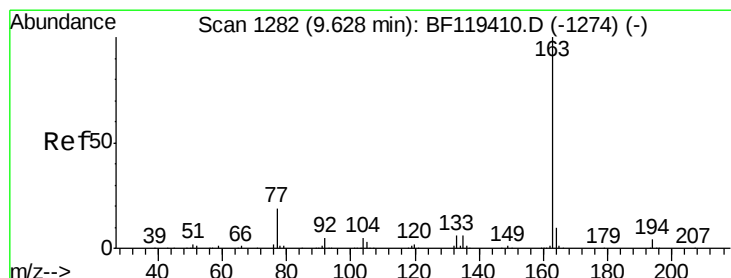
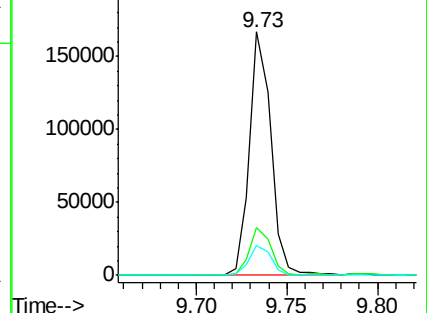
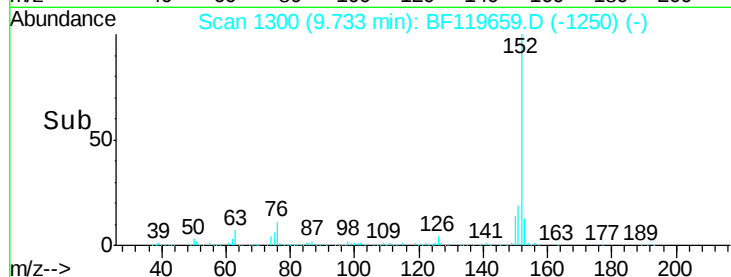
153 12.5 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 10.05 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

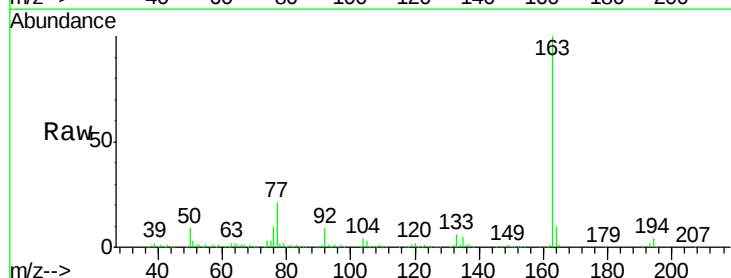
Tgt Ion:163 Resp: 373752

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

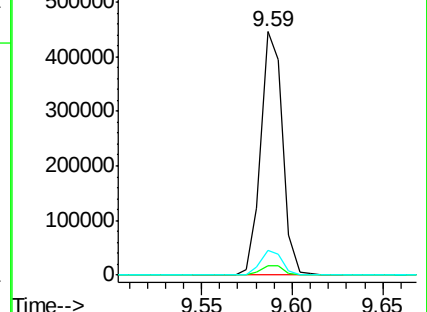
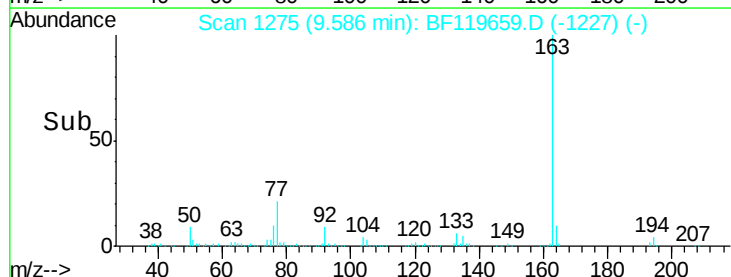
164 10.0 8.2 12.2

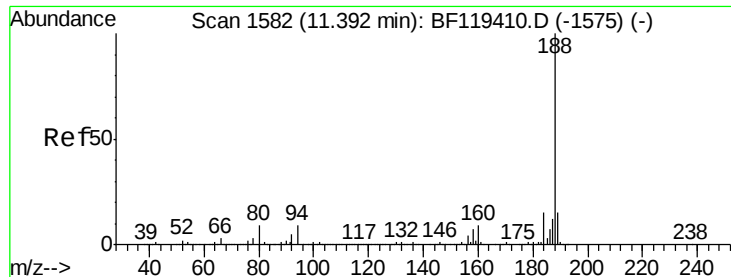


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

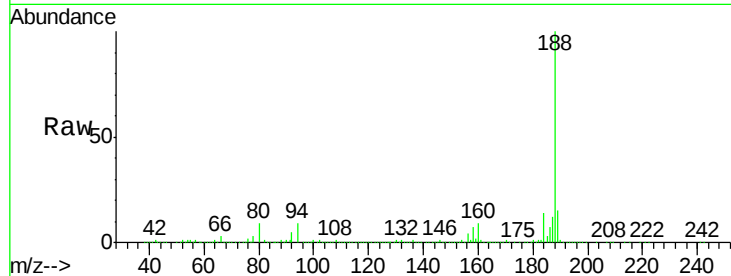
Tgt Ion:188 Resp: 815173

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

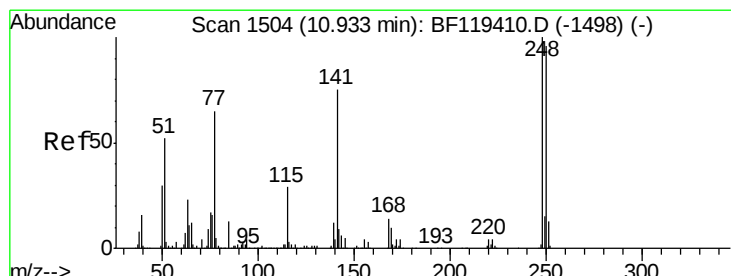
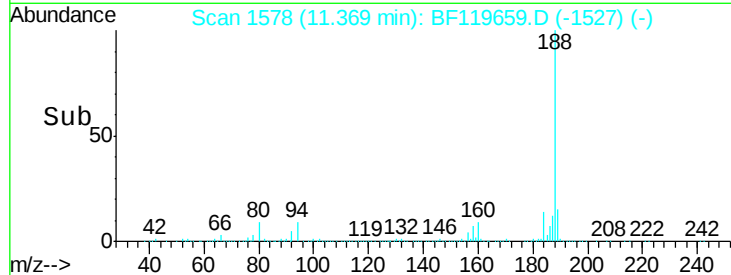
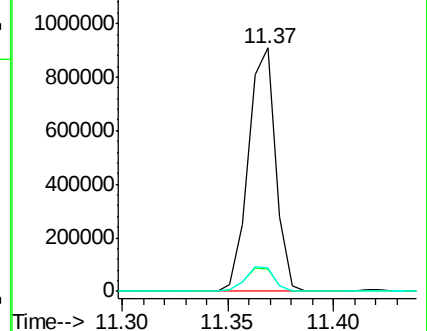
80 9.4 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.96 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

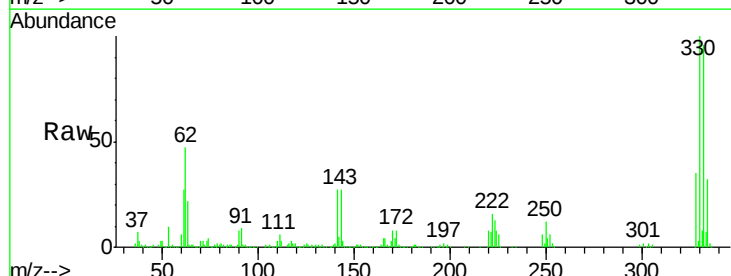
Tgt Ion:248 Resp: 27501

Ion Ratio Lower Upper

248 100

250 199.9 77.3 115.9#

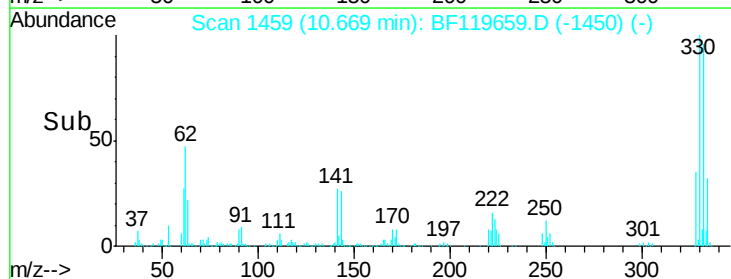
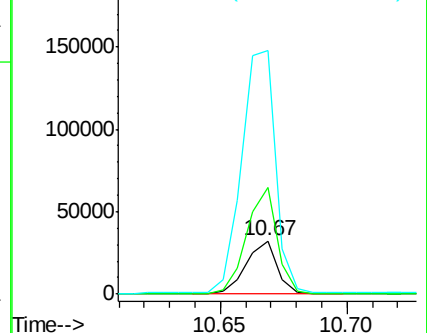
141 457.2 58.6 87.8#

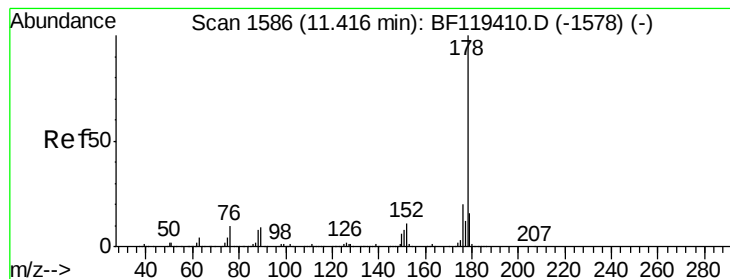


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.53 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

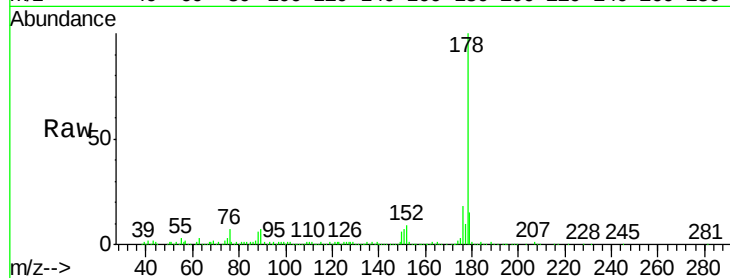
Tgt Ion:178 Resp: 191644

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

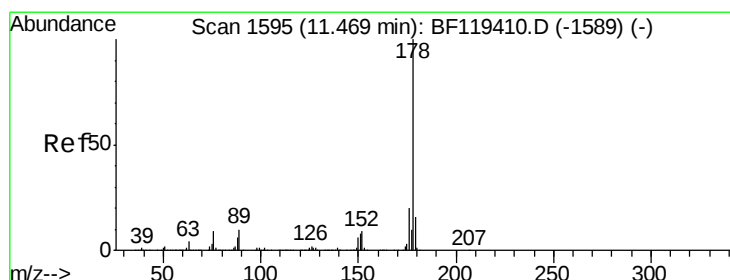
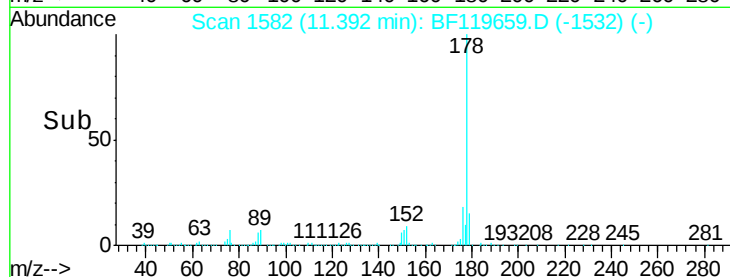
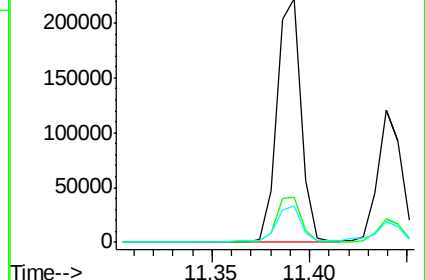
179 15.0 13.2 19.8



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: 2.29 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

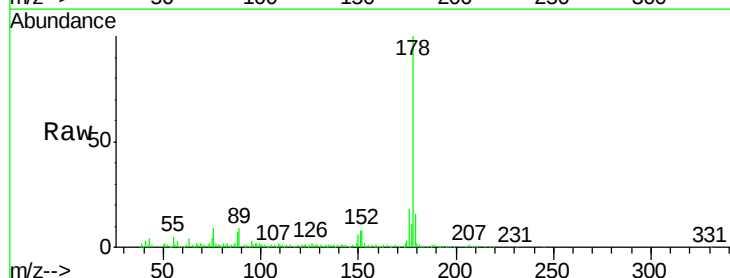
Tgt Ion:178 Resp: 98234

Ion Ratio Lower Upper

178 100

176 17.6 16.1 24.1

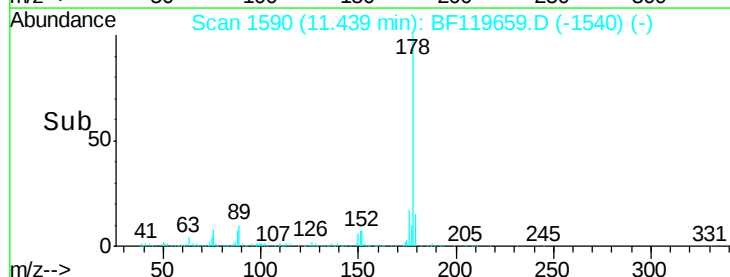
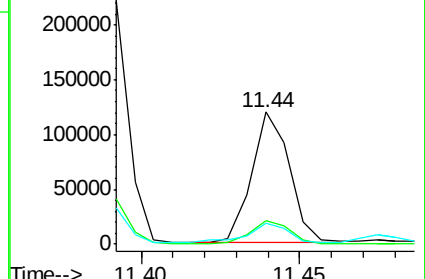
179 16.0 13.0 19.4

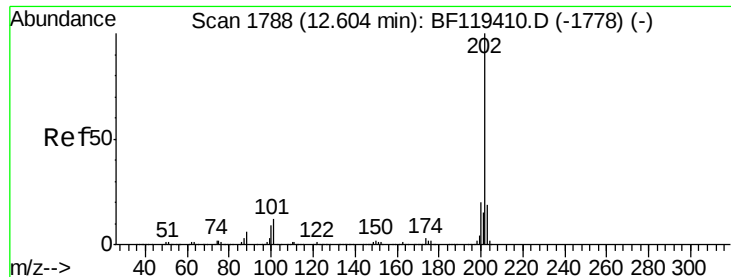


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.60 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

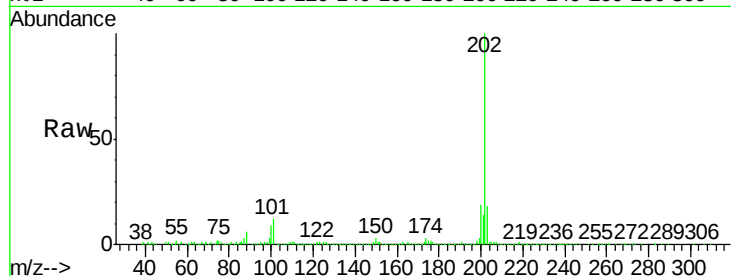
Tgt Ion:202 Resp: 484821

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.2

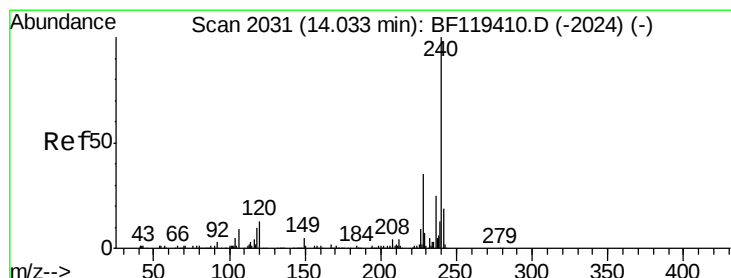
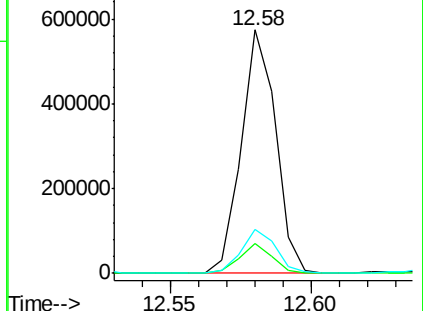
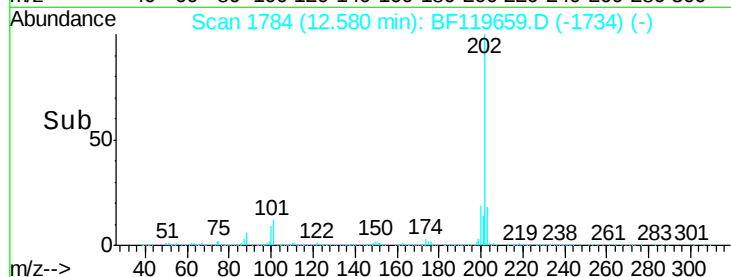
203 18.0 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

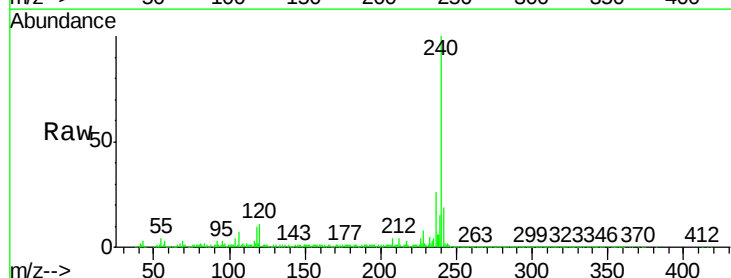
Tgt Ion:240 Resp: 539827

Ion Ratio Lower Upper

240 100

120 11.2 10.6 15.8

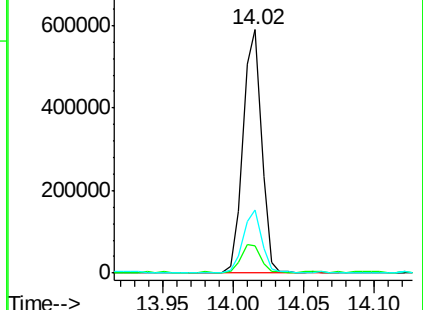
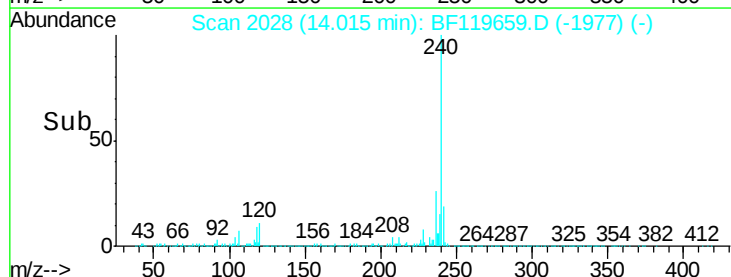
236 26.1 20.2 30.2

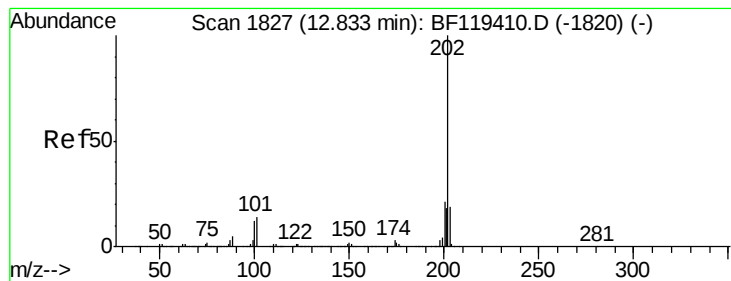


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 11.32 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

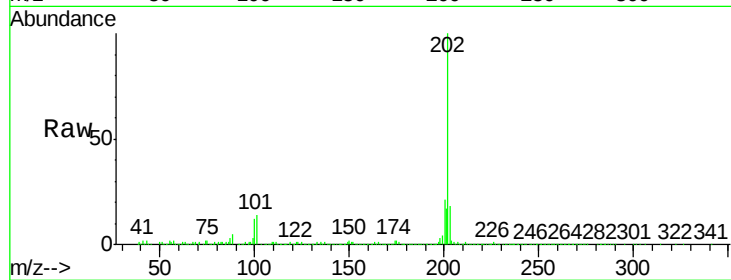
Tgt Ion:202 Resp: 501366

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

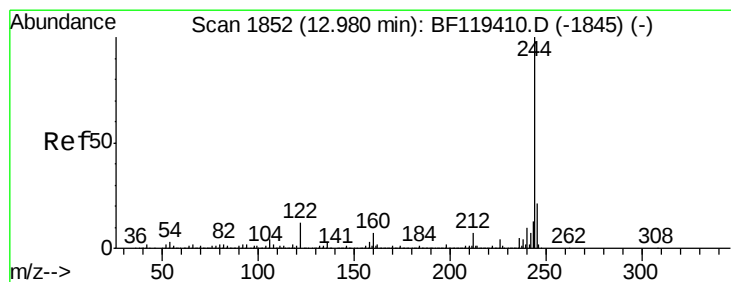
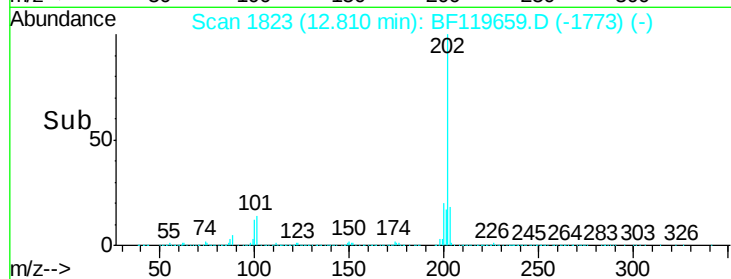
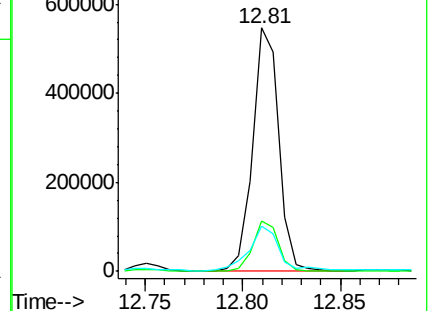
203 18.4 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 64.51 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

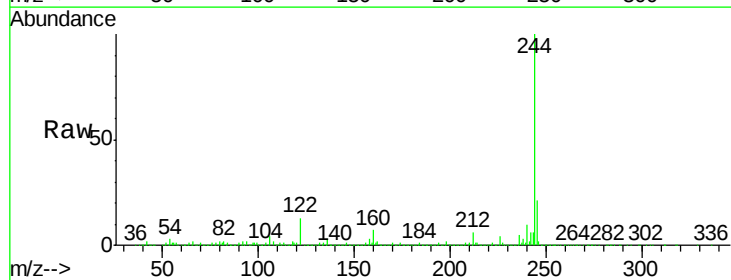
Tgt Ion:244 Resp: 1777381

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

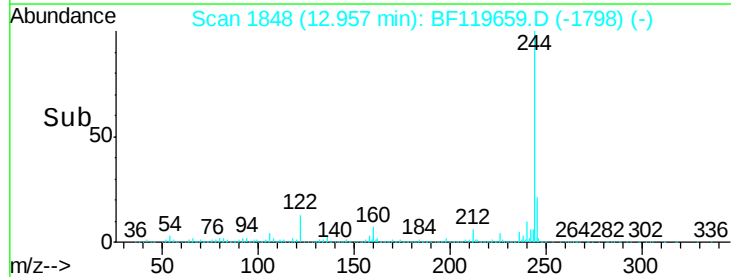
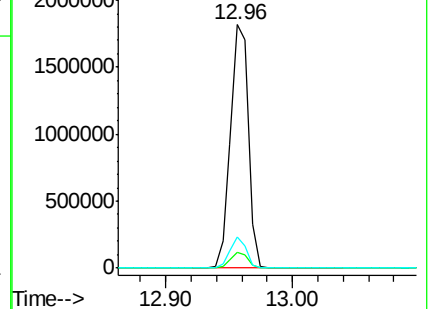
122 12.8 10.3 15.5

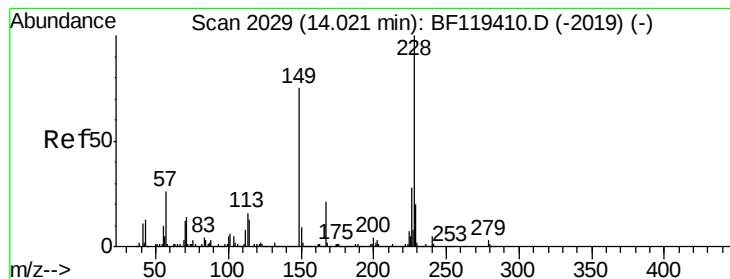


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.24 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

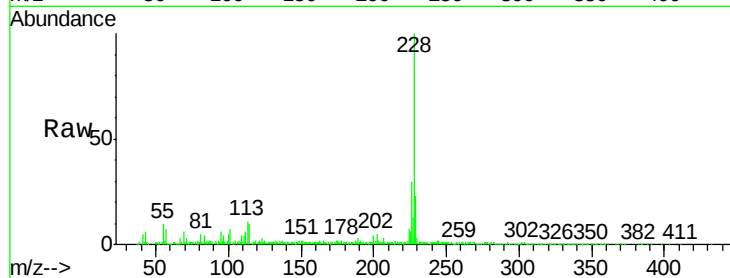
Tgt Ion: 228 Resp: 254085

Ion Ratio Lower Upper

228 100

226 30.5 21.8 32.8

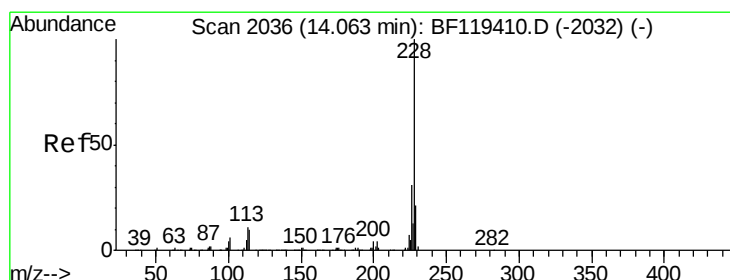
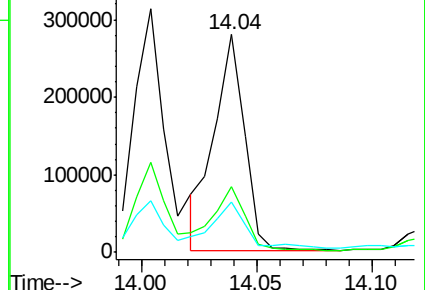
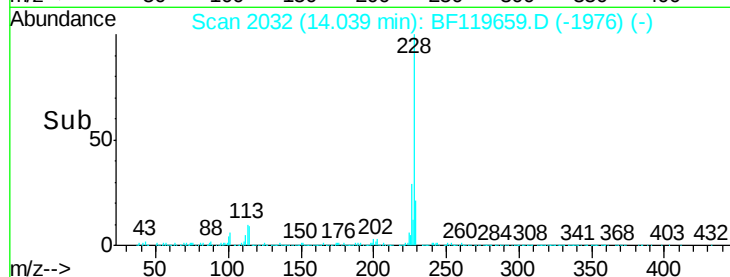
229 23.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 7.01 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

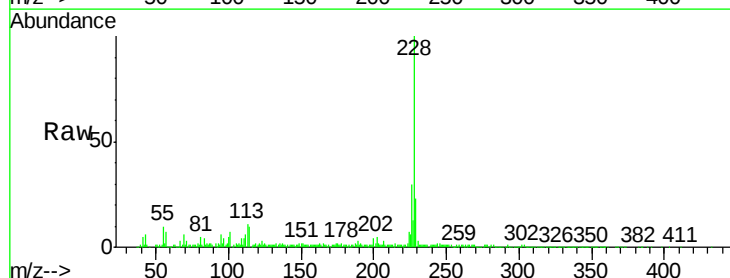
Tgt Ion: 228 Resp: 254085

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

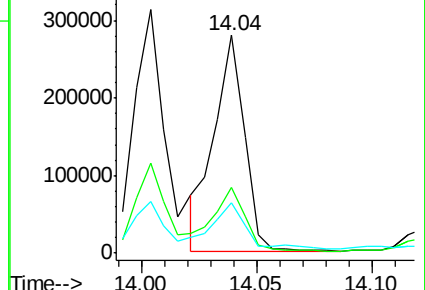
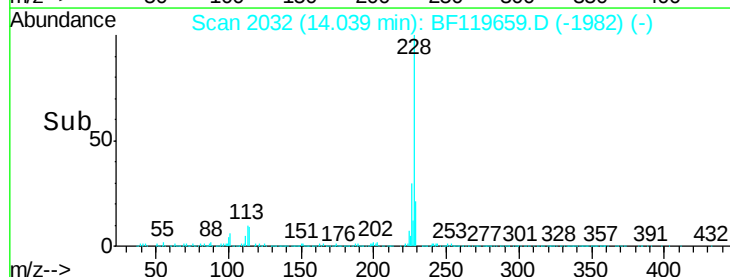
229 23.0 16.6 24.8

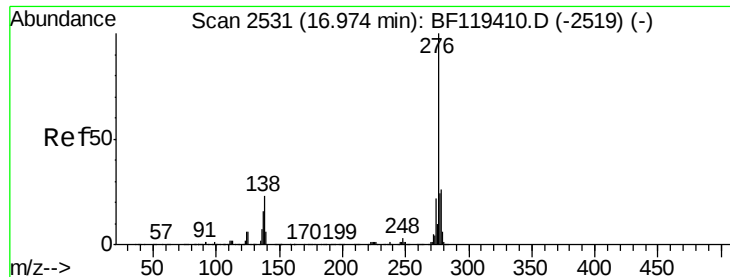


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.66 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

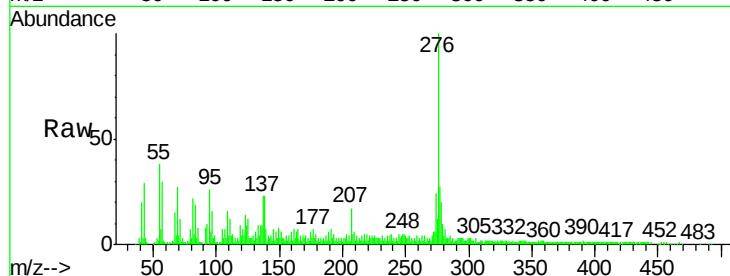
Tgt Ion:276 Resp: 159078

Ion Ratio Lower Upper

276 100

138 22.4 19.6 29.4

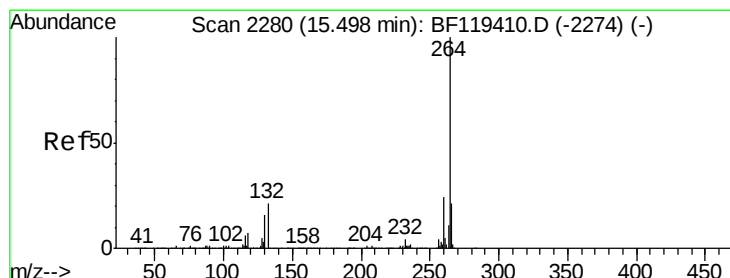
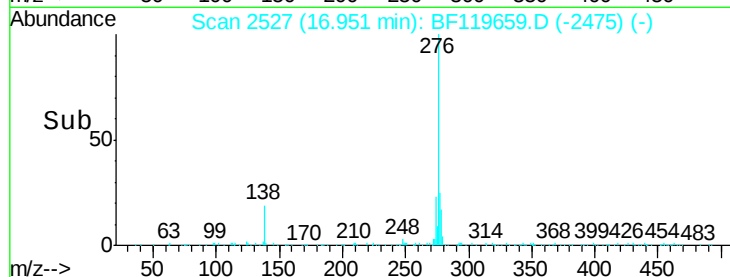
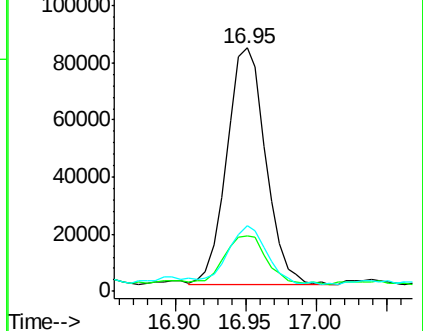
277 23.5 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

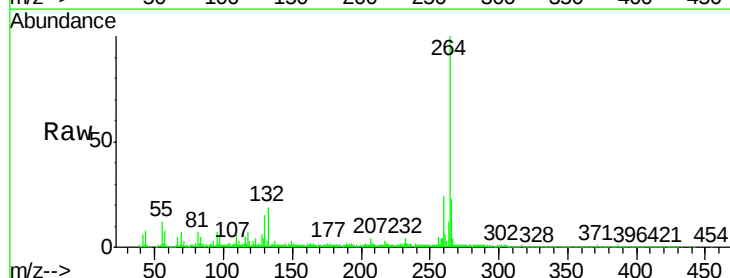
Tgt Ion:264 Resp: 481797

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

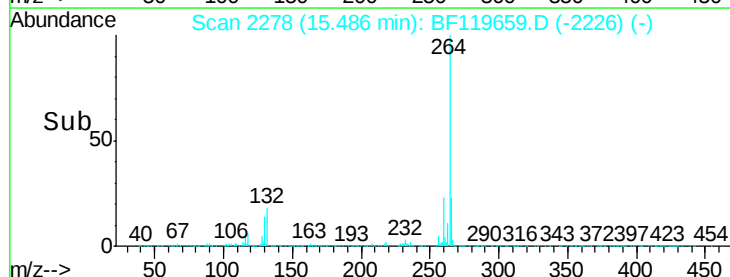
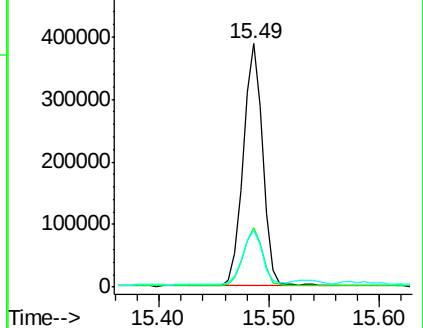
265 23.3 17.7 26.5

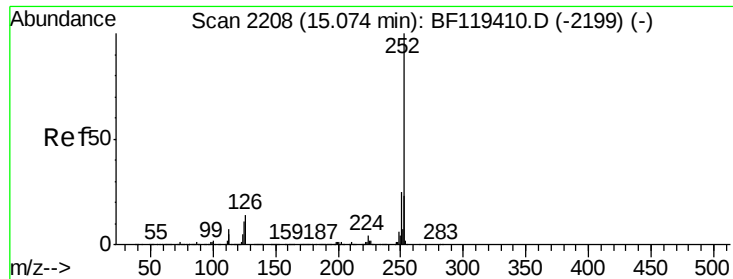


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 15.50 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

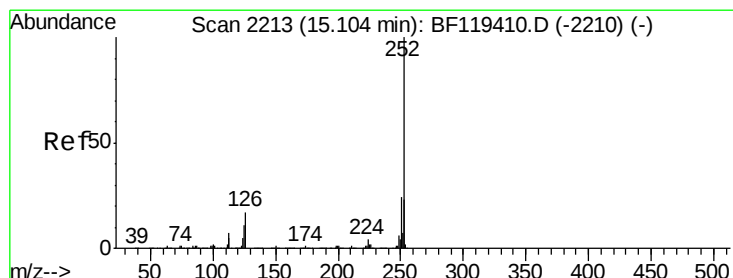
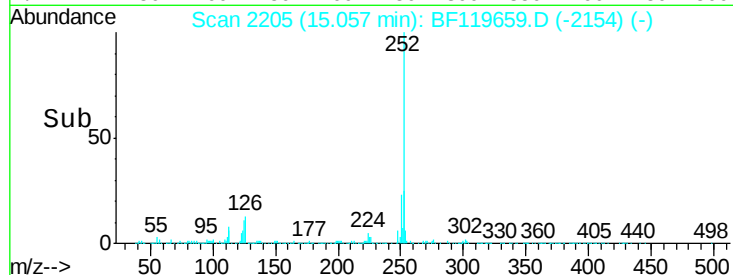
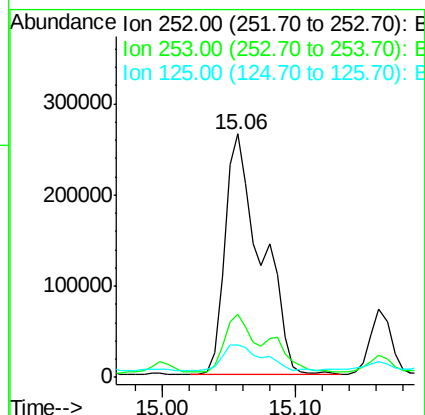
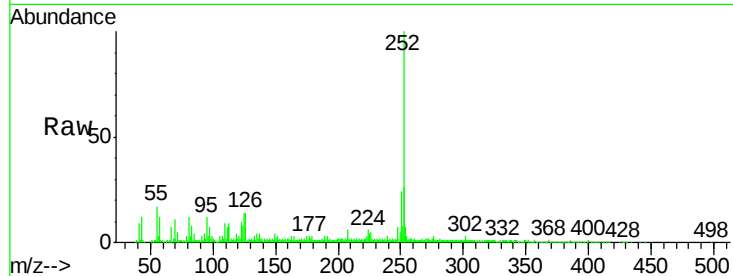
Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

Tgt Ion:	252	Resp:	498770
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.4	26.0
125	13.5	7.9	11.9#



#89

Benzo(k)fluoranthene

Concen: 16.28 ng

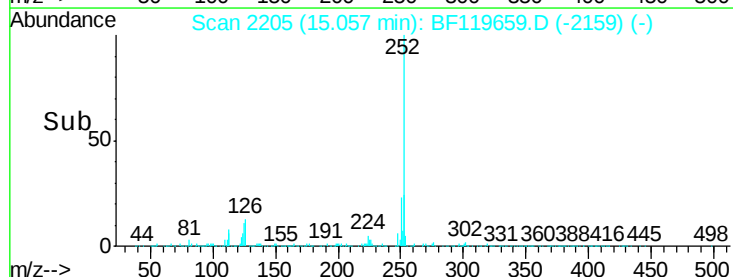
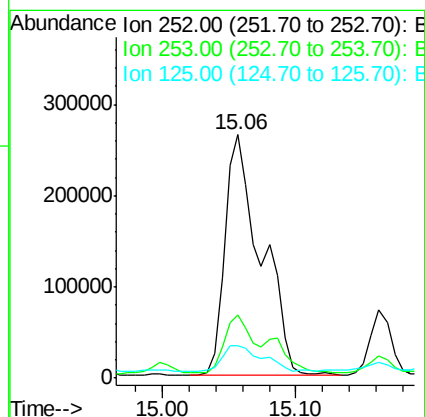
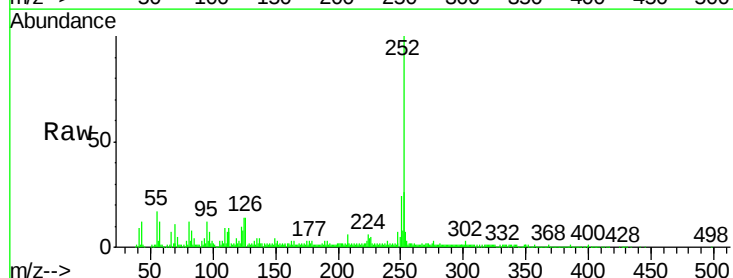
RT: 15.06 min Scan# 2205

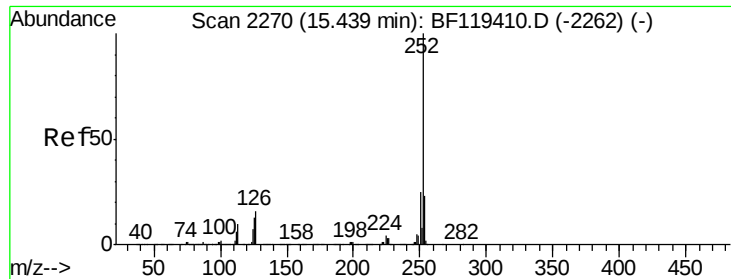
Delta R.T. -0.03 min

Lab File: BF119659.D

Acq: 31 Mar 2020 18:34

Tgt Ion:	252	Resp:	498770
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.8	26.6
125	13.5	8.4	12.6#

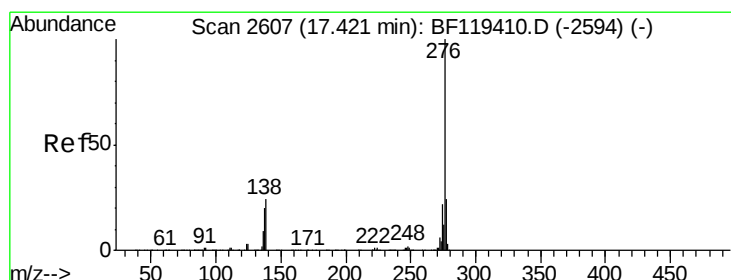
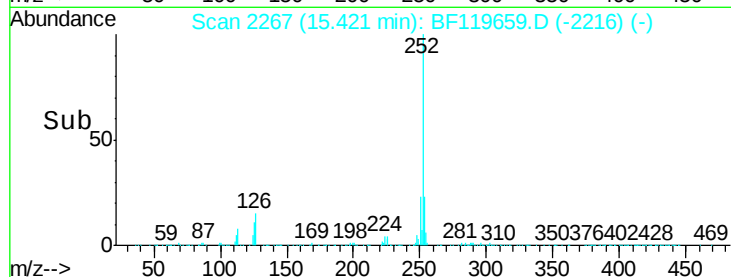
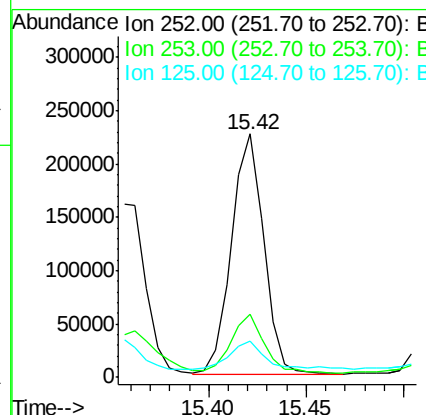
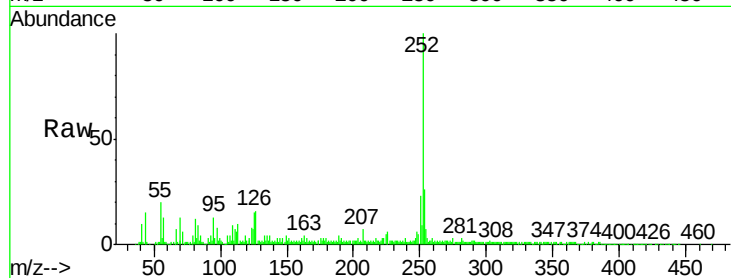




#90
Benzo(a)pyrene
Concen: 8.82 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF119659.D
Acq: 31 Mar 2020 18:34

Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	14.7	9.4	14.2#



#92
Benzo(g,h,i)perylene
Concen: 6.16 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BF119659.D
Acq: 31 Mar 2020 18:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	23.6	15.4	23.0#

