

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033120\
 Data File : BF119663.D
 Acq On : 31 Mar 2020 20:22
 Operator : MA/SJ
 Sample : L2055-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Quant Time: Apr 01 00:04:29 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	278622	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	977330	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	427488	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	642195	20.00	ng	0.00
76) Chrysene-d12	14.02	240	508427	20.00	ng	0.00
87) Perylene-d12	15.49	264	405917	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1566077	89.48	ng	0.01
7) Phenol-d6	6.46	99	1955313	87.45	ng	0.00
23) Nitrobenzene-d5	7.39	82	1135181	63.13	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	339158	76.90	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1906753	66.08	ng	0.00
79) Terphenyl-d14	12.96	244	1578925	60.84	ng	0.00

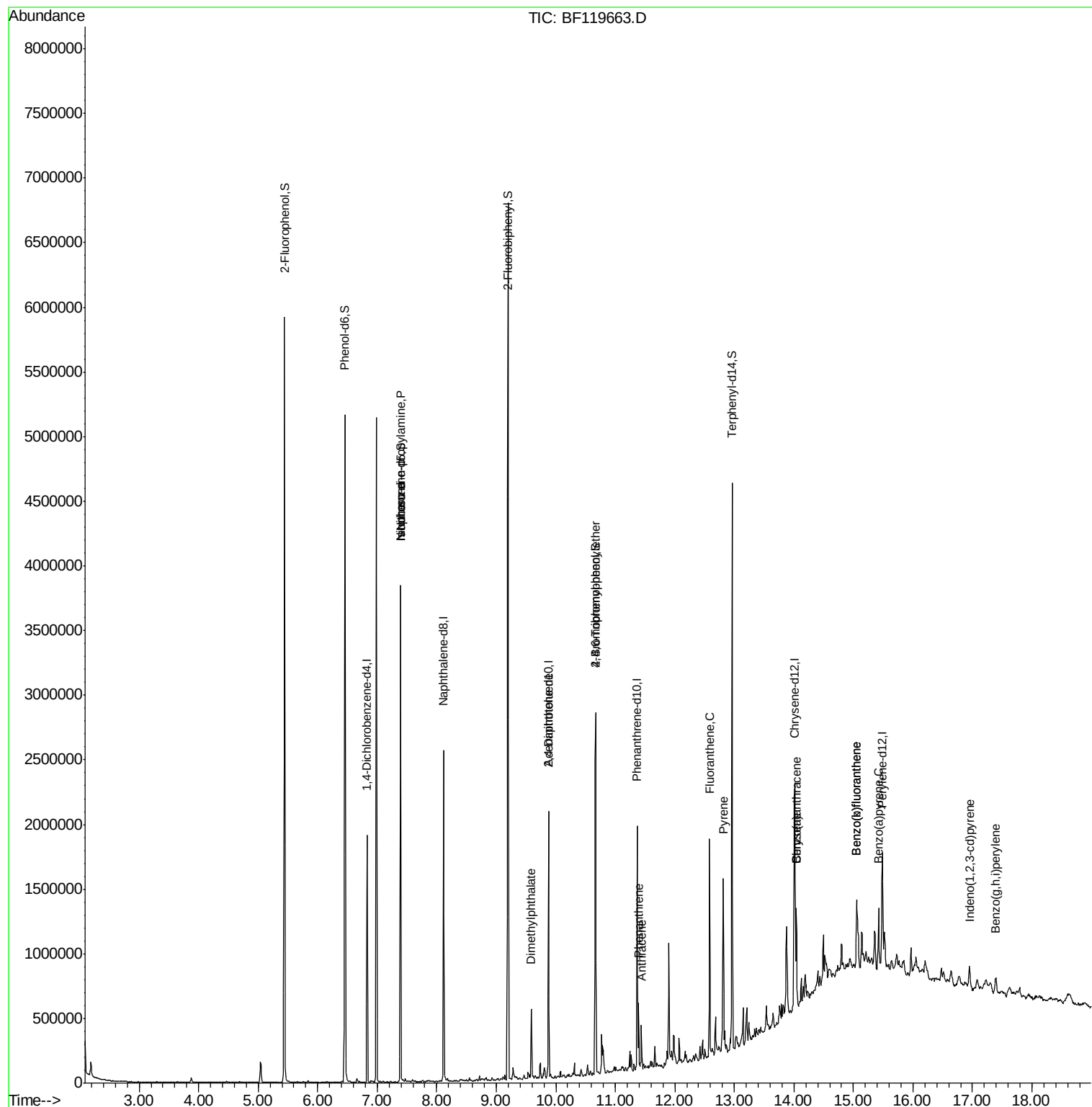
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	148817	11.04	ng	# 75
25) Isophorone	7.39	82	1128147	30.93	ng	# 65
50) Dimethylphthalate	9.59	163	199067	6.56	ng	99
57) 2,4-Dinitrotoluene	9.87	165	57601	7.03	ng	# 21
67) 4-Bromophenyl-phenylether	10.67	248	21059	2.88	ng	# 1
71) Phenanthrene	11.39	178	174499	5.24	ng	97
72) Anthracene	11.45	178	136663	4.04	ng	97
75) Fluoranthene	12.59	202	657899	18.26	ng	97
78) Pyrene	12.82	202	559897	13.42	ng	97
81) Benzo(a)anthracene	14.04	228	313039	9.47	ng	96
83) Chrysene	14.04	228	313039	9.17	ng	96
86) Indeno(1,2,3-cd)pyrene	16.95	276	113375	3.53	ng	98
88) Benzo(b)fluoranthene	15.06	252	420117	15.49	ng	# 94
89) Benzo(k)fluoranthene	15.06	252	420117	16.27	ng	96
90) Benzo(a)pyrene	15.42	252	204039	8.28	ng	97
92) Benzo(g,h,i)perylene	17.39	276	103994	4.80	ng	# 90

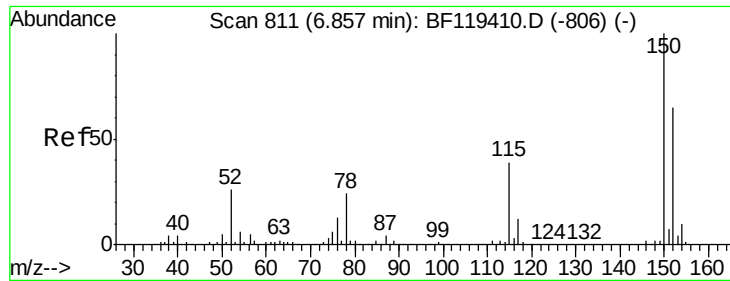
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

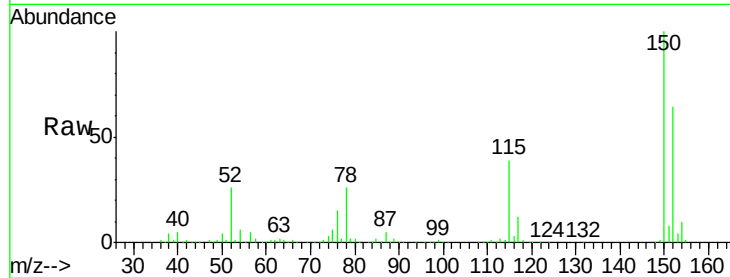
Tgt Ion:152 Resp: 278622

Ion Ratio Lower Upper

152 100

150 155.2 124.5 186.7

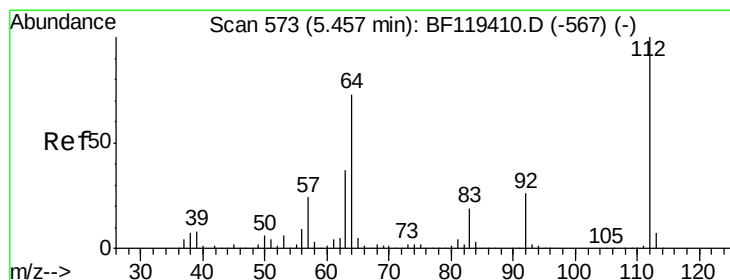
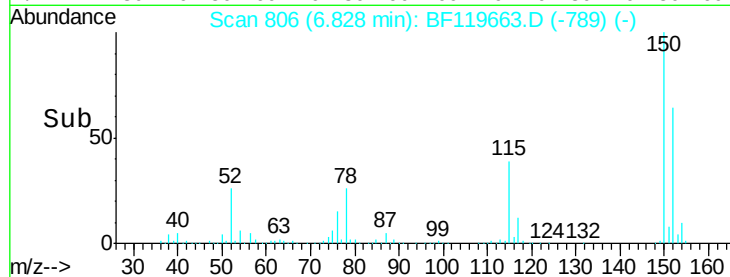
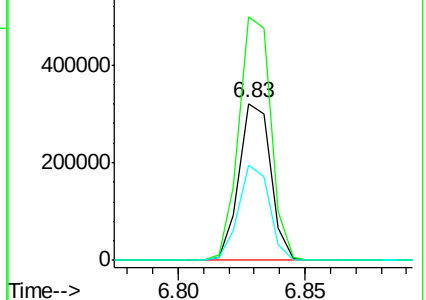
115 60.7 49.6 74.4



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: 89.48 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

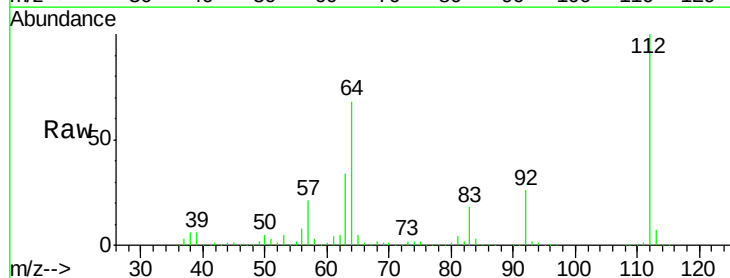
Tgt Ion:112 Resp: 1566077

Ion Ratio Lower Upper

112 100

64 67.5 56.7 85.1

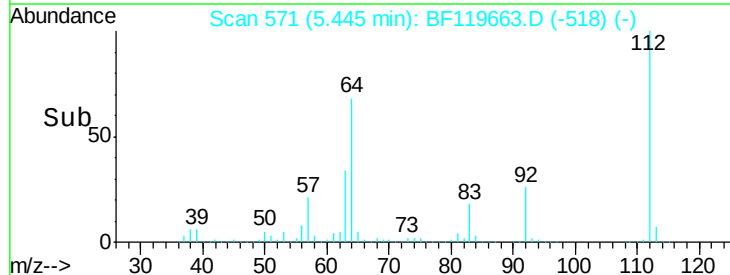
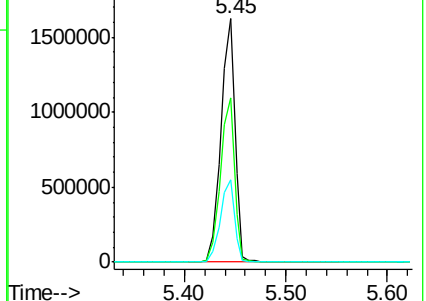
63 34.0 29.5 44.3

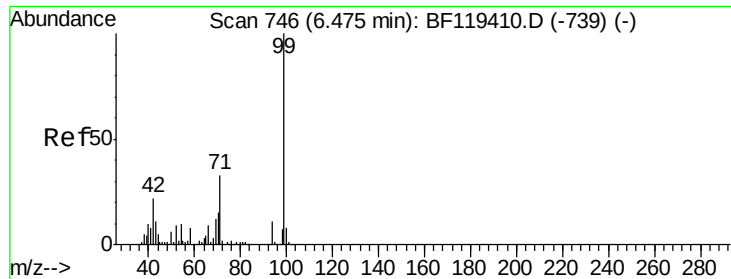


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.45 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

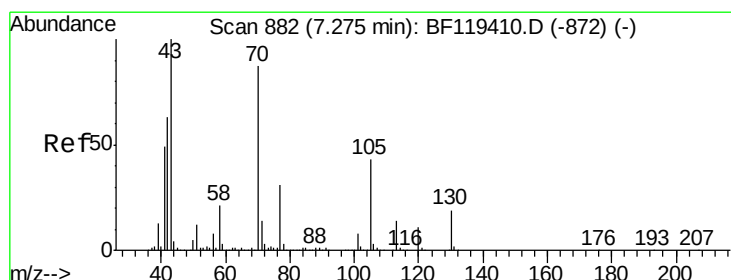
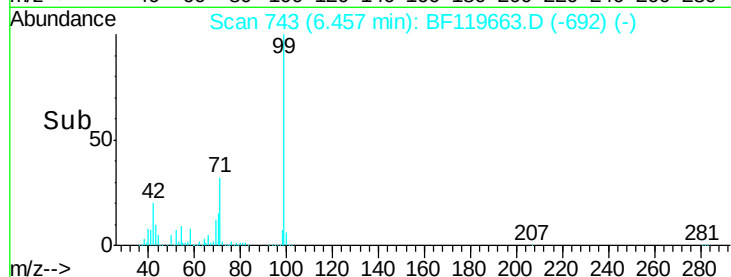
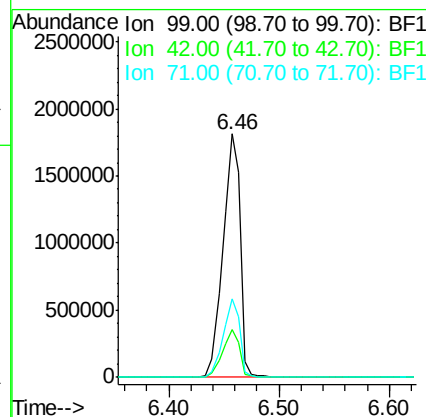
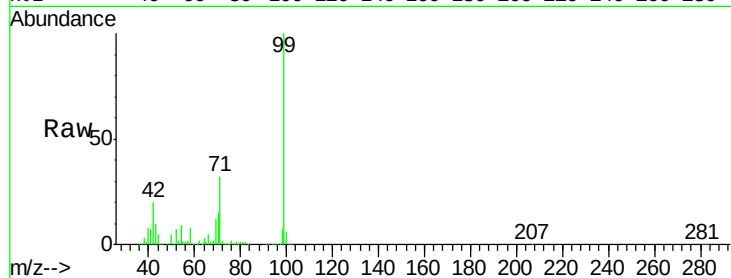
Tgt Ion: 99 Resp: 1955313

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.1 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.04 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Tgt Ion: 70 Resp: 148817

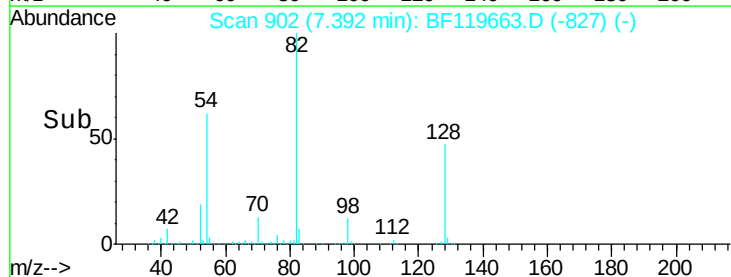
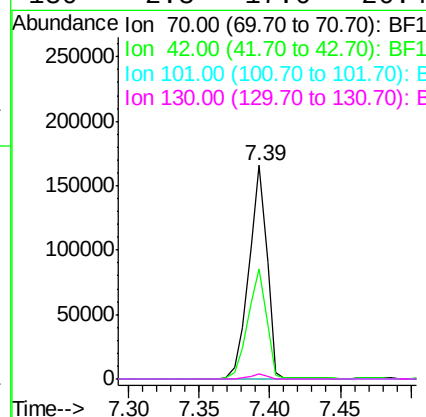
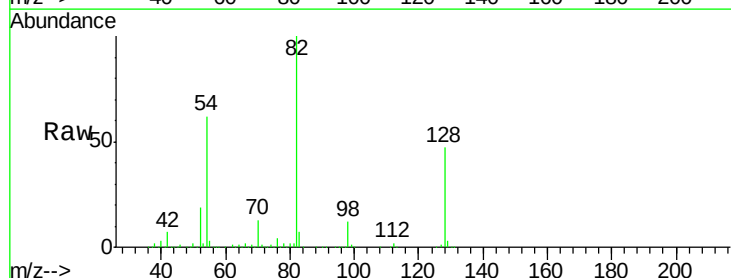
Ion Ratio Lower Upper

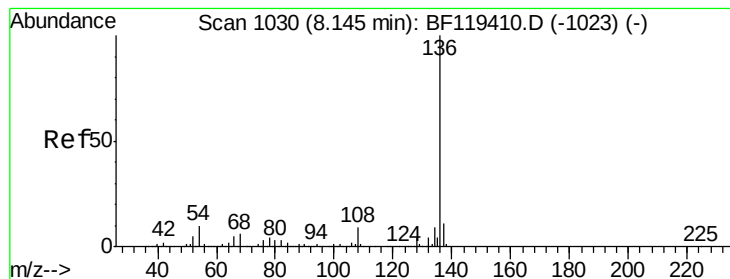
70 100

42 51.7 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

Tgt Ion:136 Resp: 977330

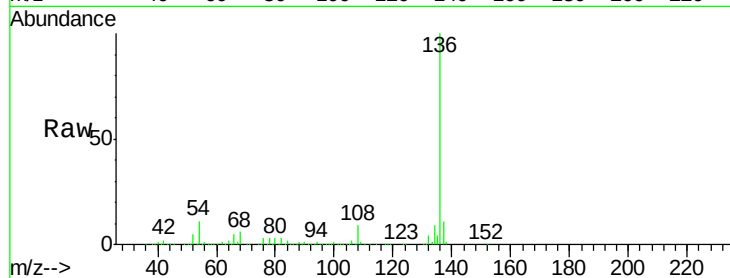
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 11.0 9.1 13.7

68 6.2 4.6 6.8

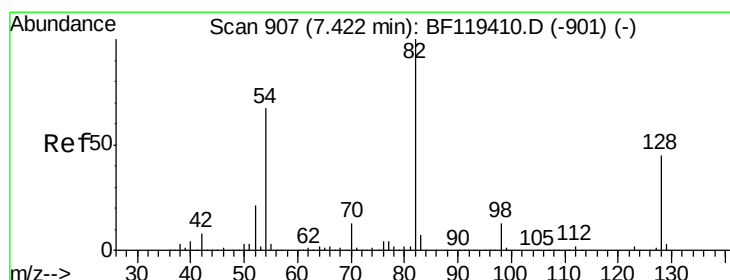
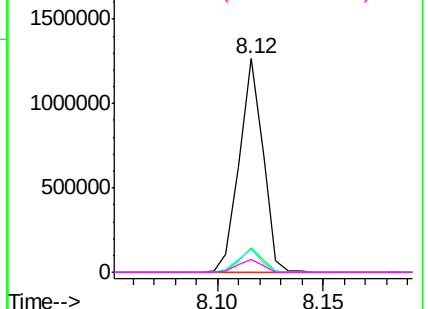
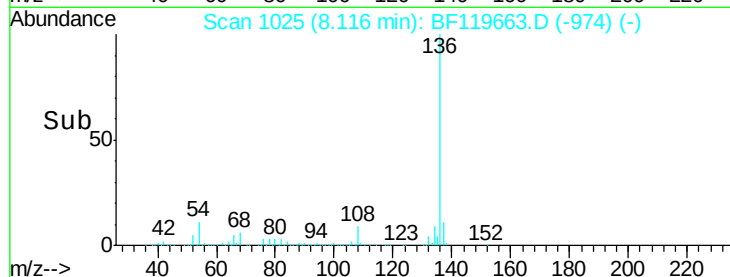


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.13 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

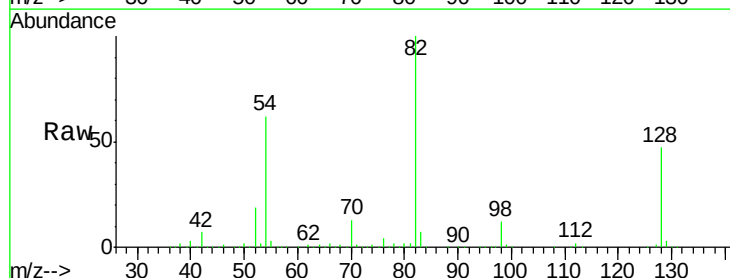
Tgt Ion: 82 Resp: 1135181

Ion Ratio Lower Upper

82 100

128 46.6 36.3 54.5

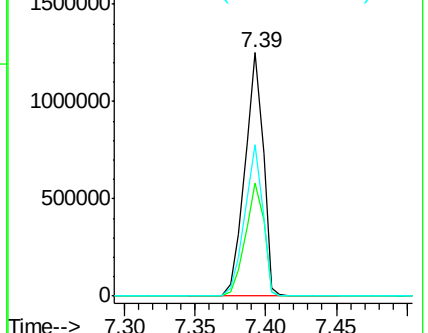
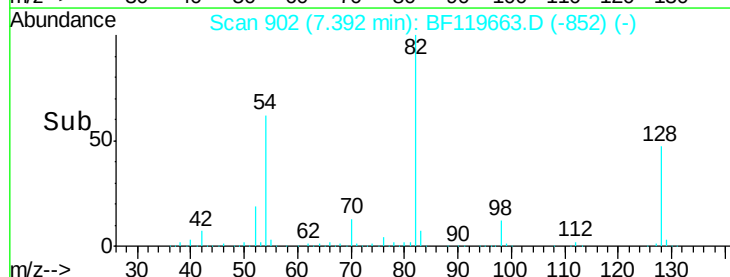
54 62.1 50.6 75.8

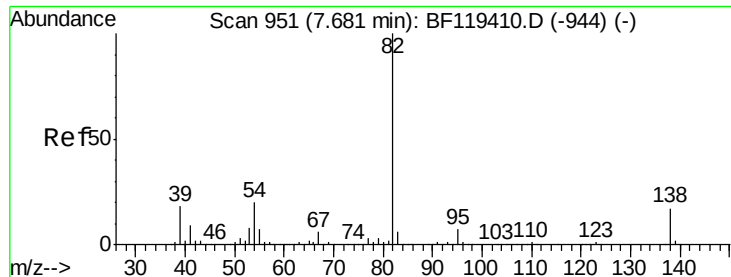


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.93 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

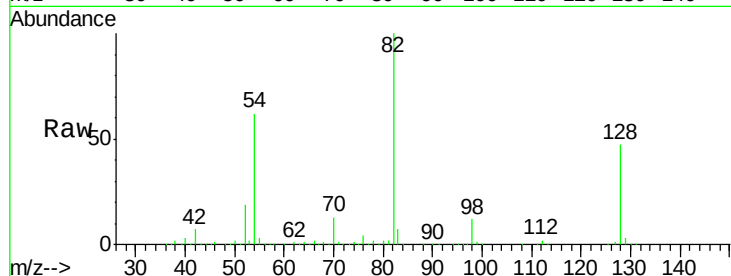
Tgt Ion: 82 Resp: 1128147

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

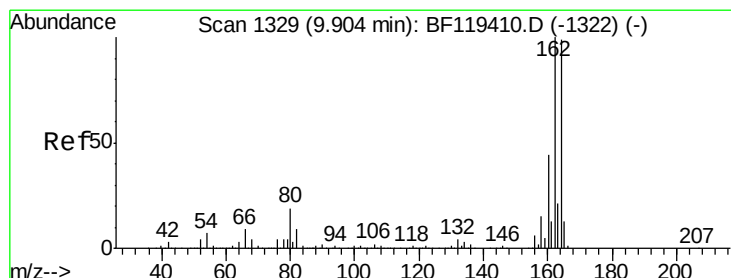
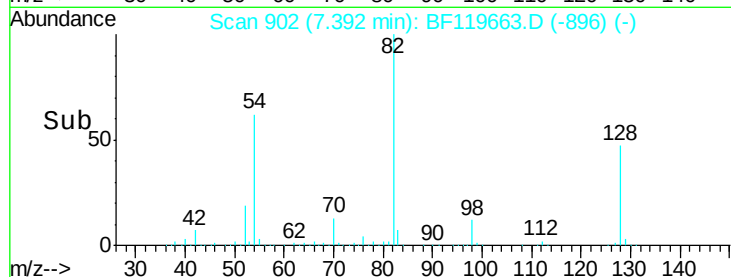
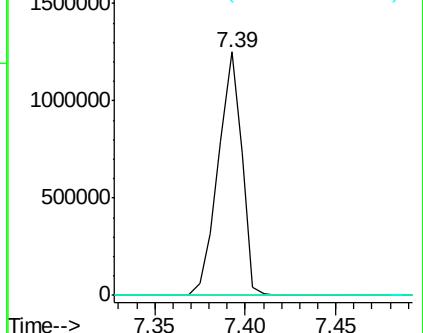
138 0.0 14.6 21.8#



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



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

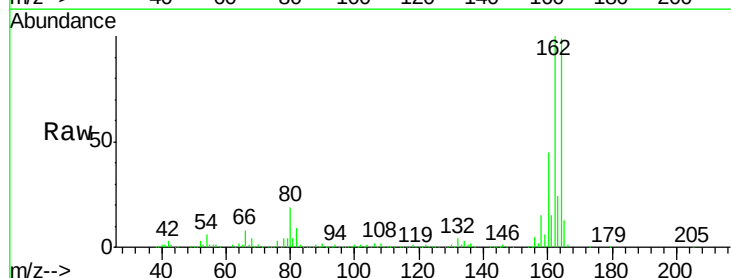
Tgt Ion: 164 Resp: 427488

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

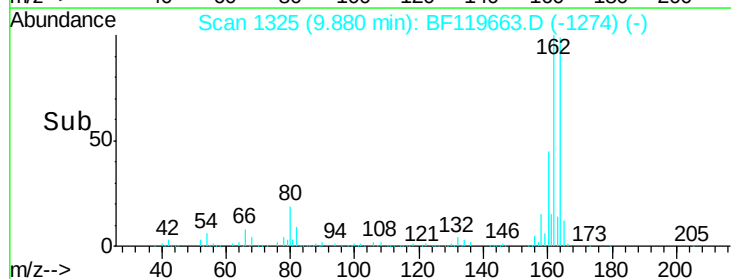
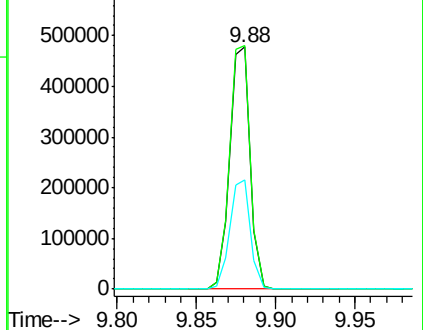
160 45.0 35.7 53.5

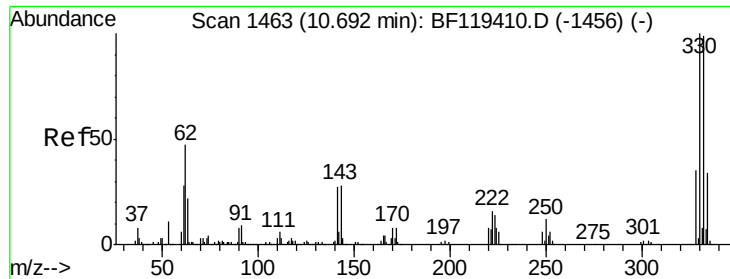


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

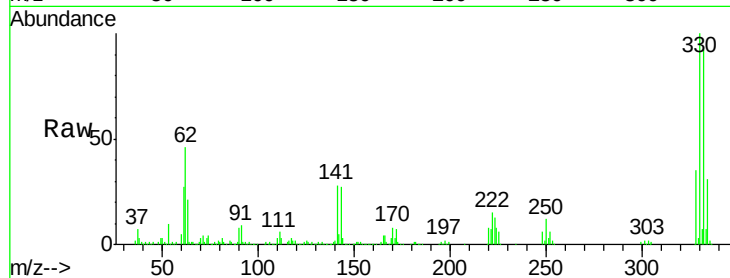




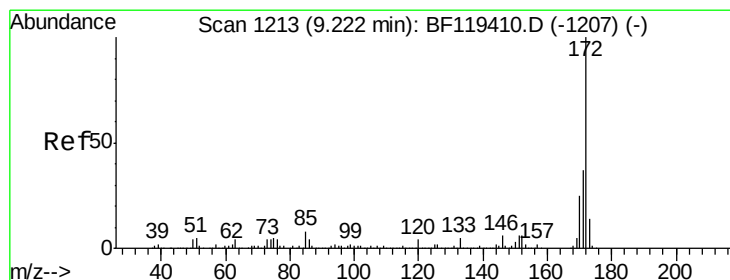
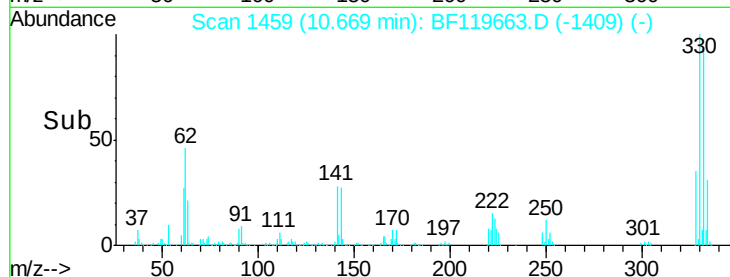
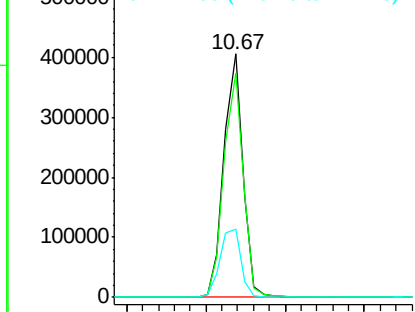
#42
 2,4,6-Tribromophenol
 Concen: 76.90 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Instrument :
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 SB-7-(1-3)

Tgt Ion:330 Resp: 339158
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.7 113.5
 141 30.3 25.4 38.0

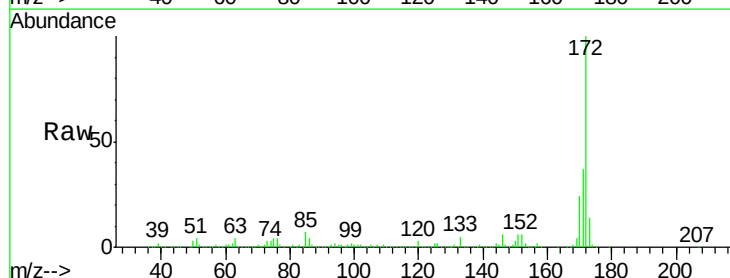


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

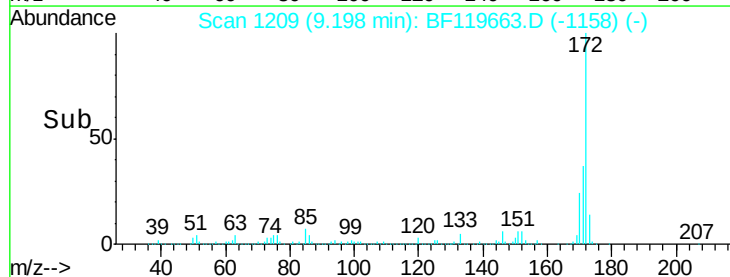
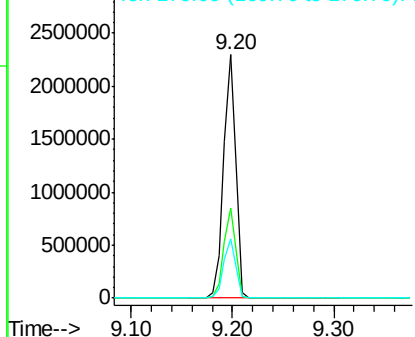


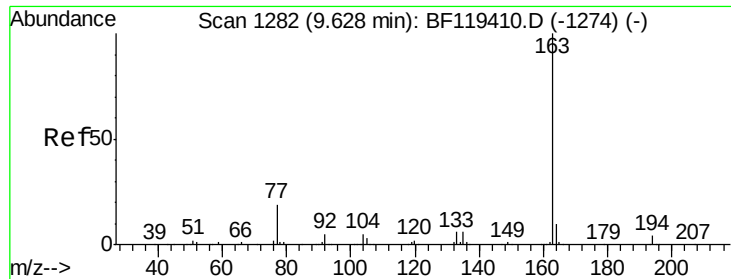
#45
 2-Fluorobiphenyl
 Concen: 66.08 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Tgt Ion:172 Resp: 1906753
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.4 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

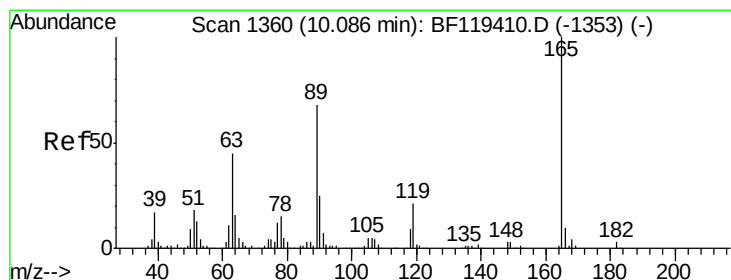
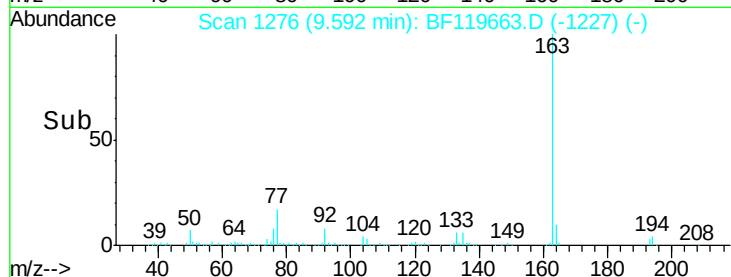
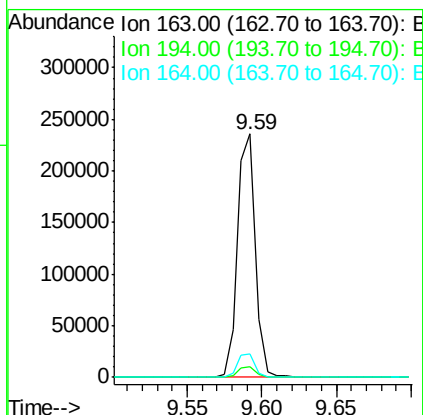
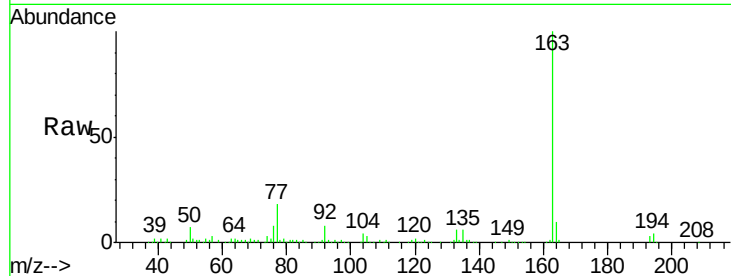




#50
Dimethylphthalate
Concen: 6.56 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

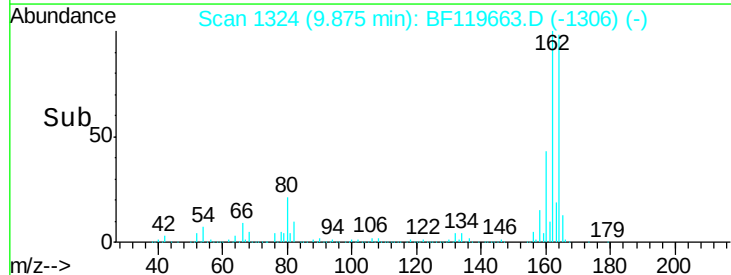
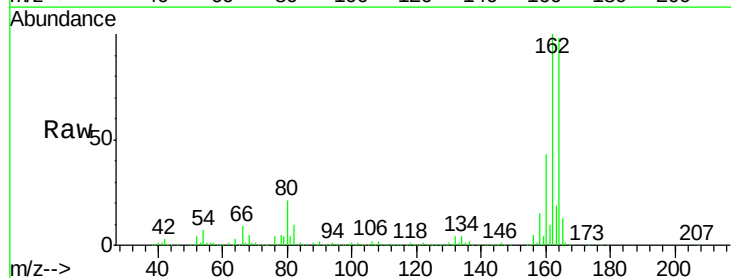
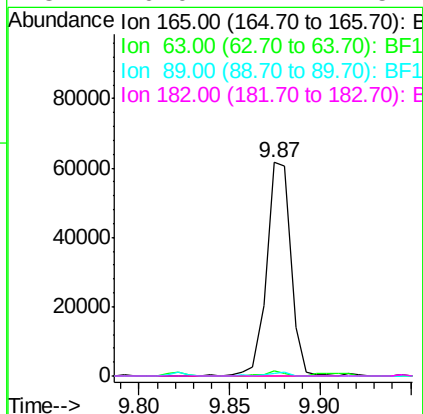
Instrument :
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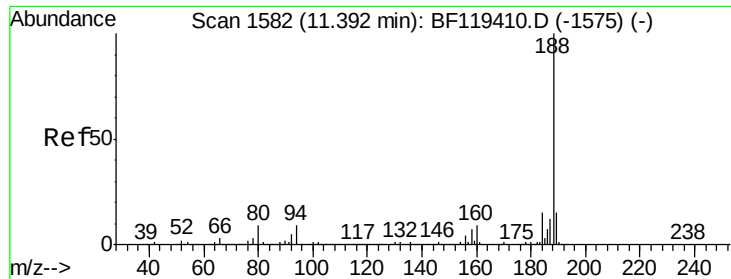
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.8	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 7.03 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

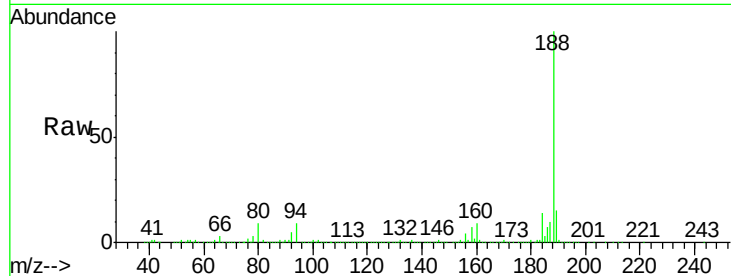
Tgt Ion:188 Resp: 642195

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

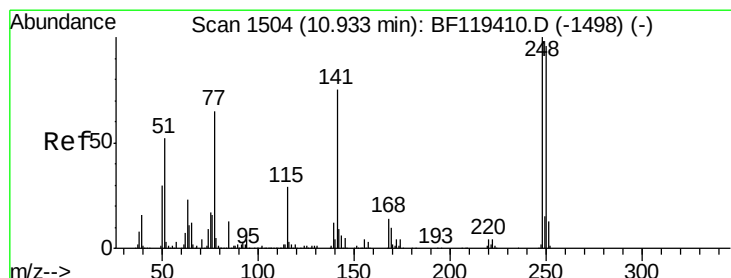
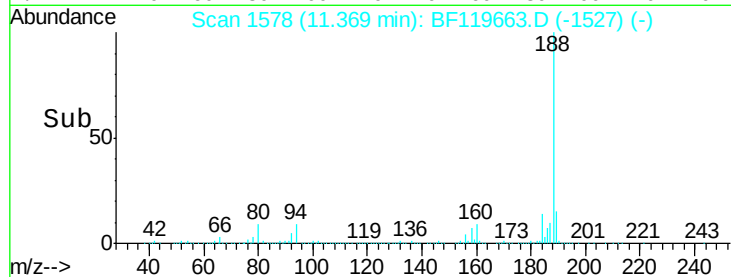
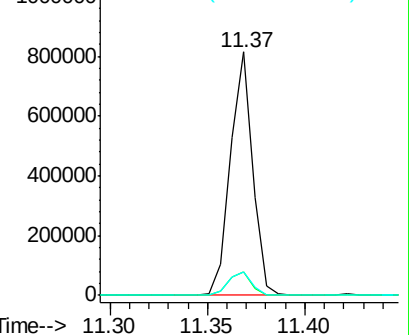
80 9.5 9.0 13.4



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: 2.88 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

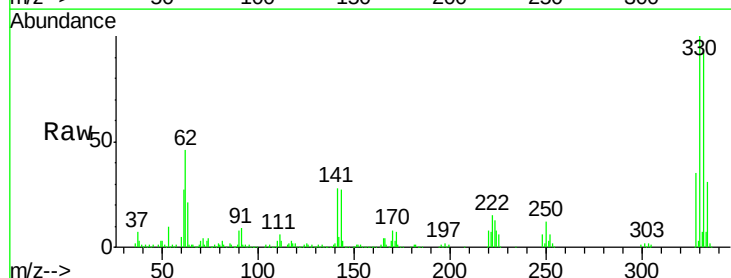
Tgt Ion:248 Resp: 21059

Ion Ratio Lower Upper

248 100

250 198.1 77.3 115.9#

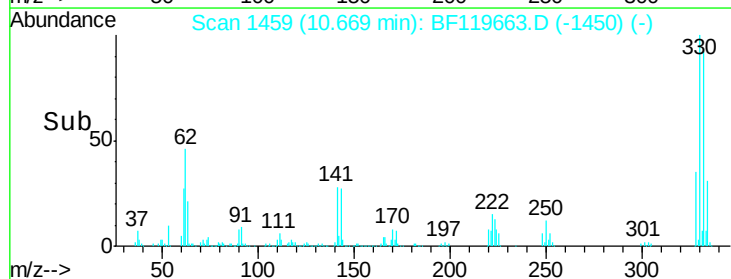
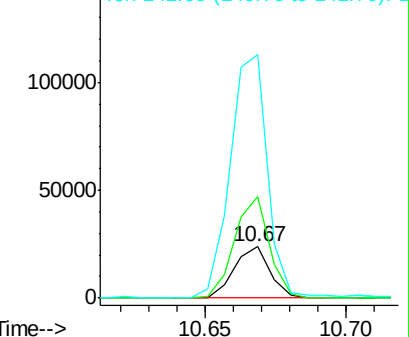
141 472.1 58.6 87.8#

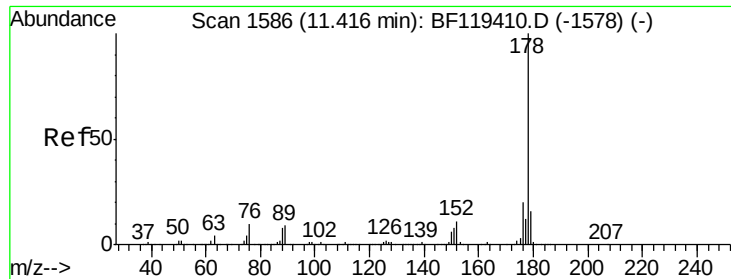


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

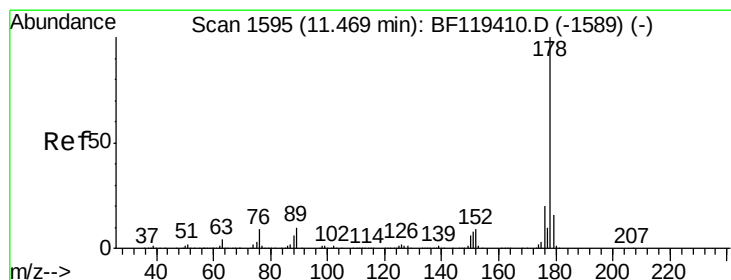
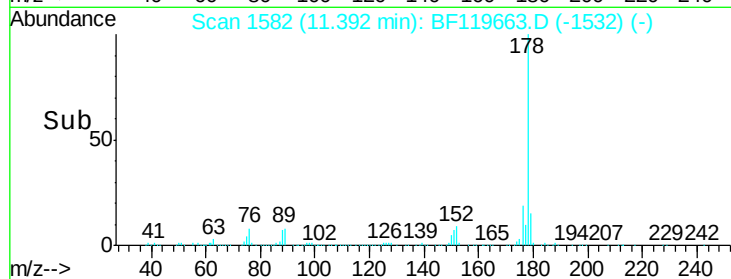
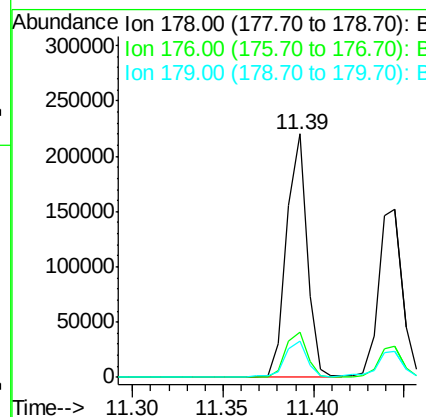
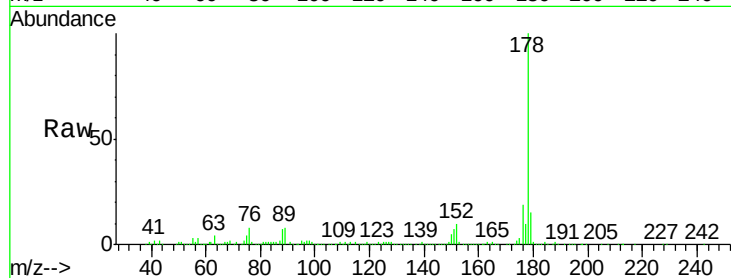




#71
Phenanthrene
Concen: 5.24 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

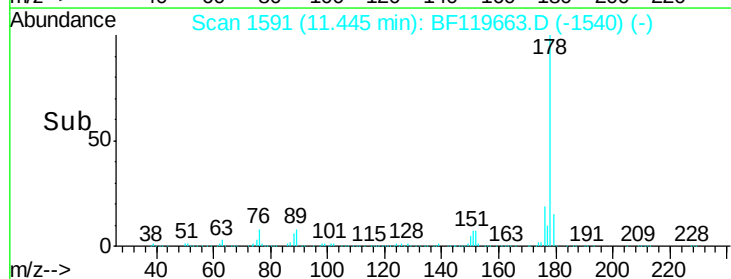
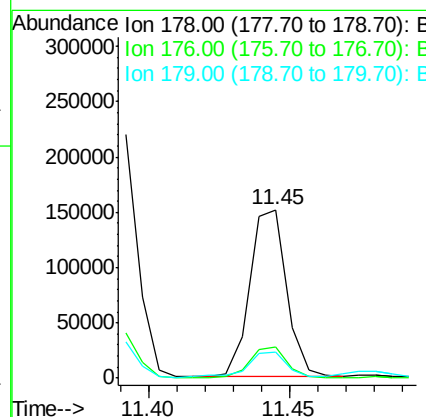
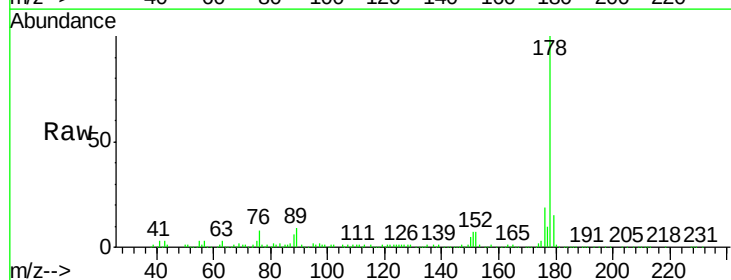
Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

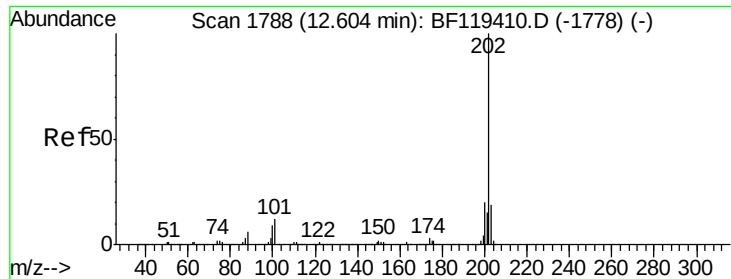
Tgt Ion:178 Resp: 174499
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 14.9 13.2 19.8



#72
Anthracene
Concen: 4.04 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion:178 Resp: 136663
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 15.2 13.0 19.4





#75

Fluoranthene

Concen: 18.26 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

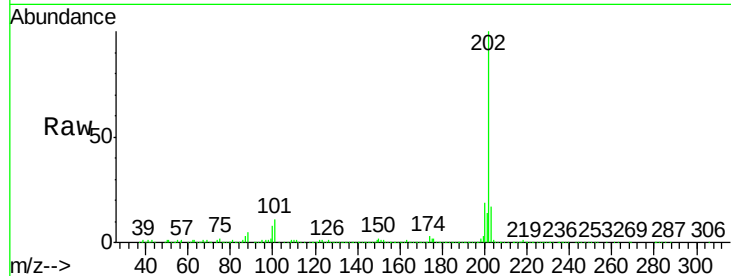
Tgt Ion:202 Resp: 657899

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.2

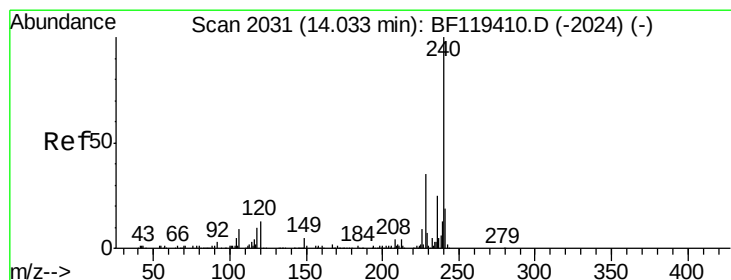
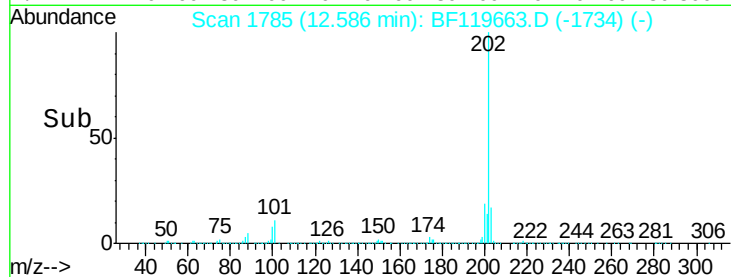
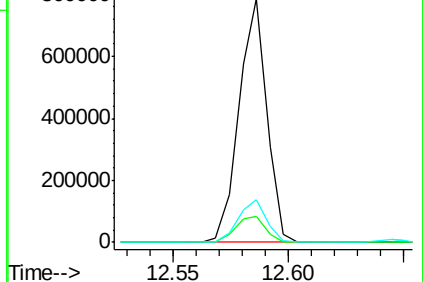
203 17.4 0.0 38.8



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: BF119663.D

Acq: 31 Mar 2020 20:22

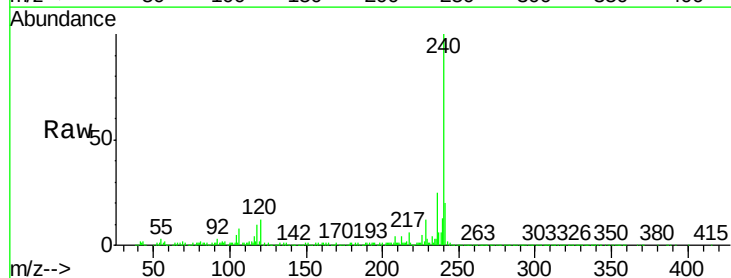
Tgt Ion:240 Resp: 508427

Ion Ratio Lower Upper

240 100

120 12.1 10.6 15.8

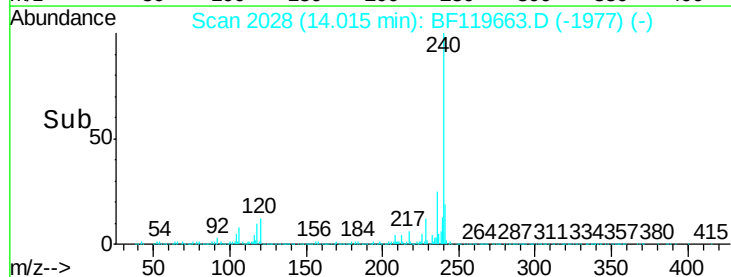
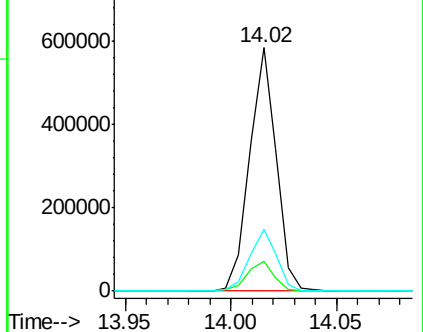
236 25.5 20.2 30.2

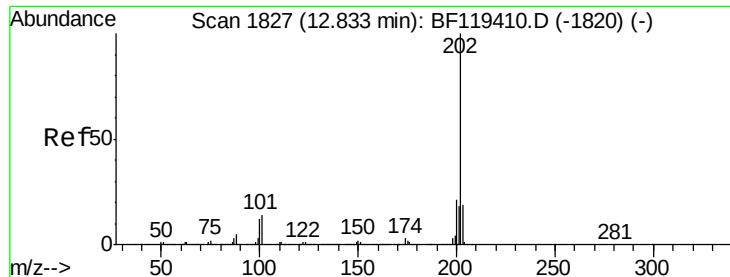


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

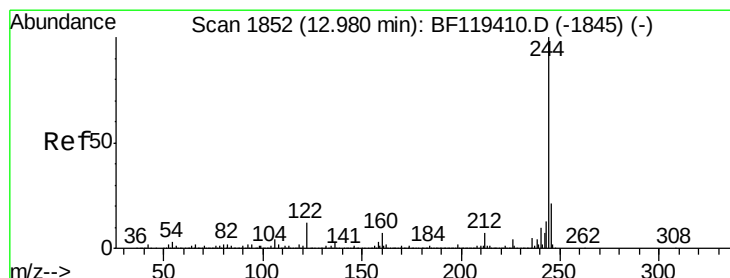
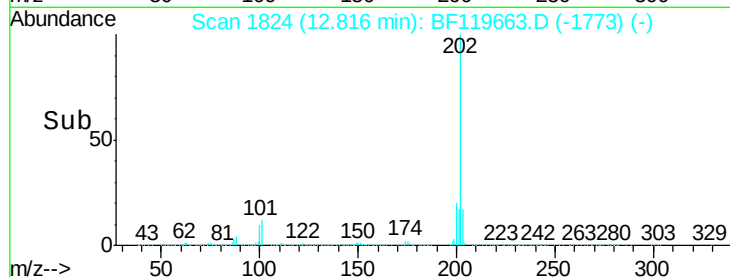
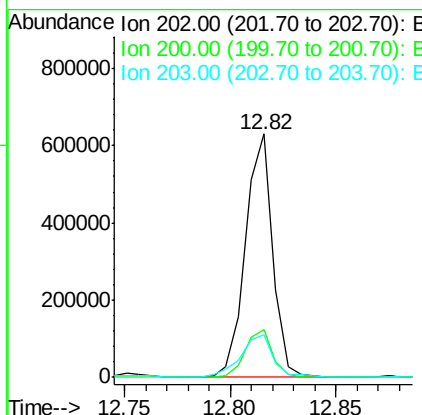
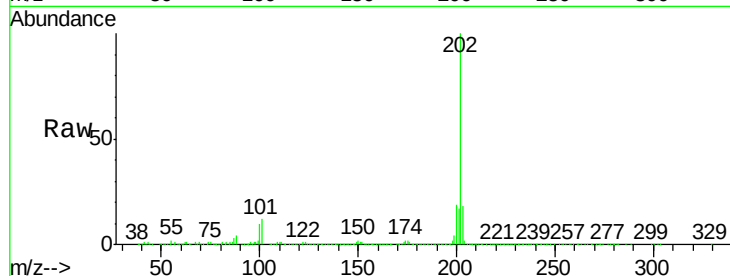




#78
 Pyrene
 Concen: 13.42 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

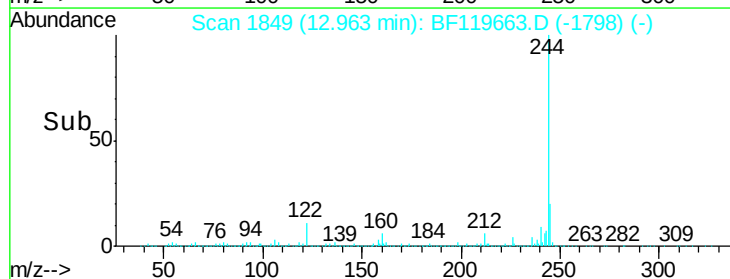
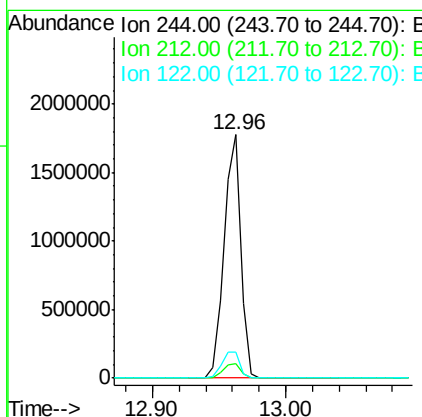
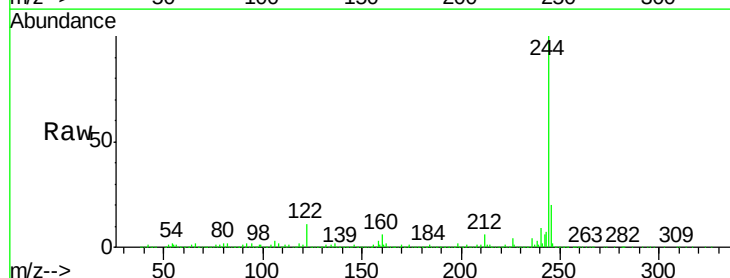
Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

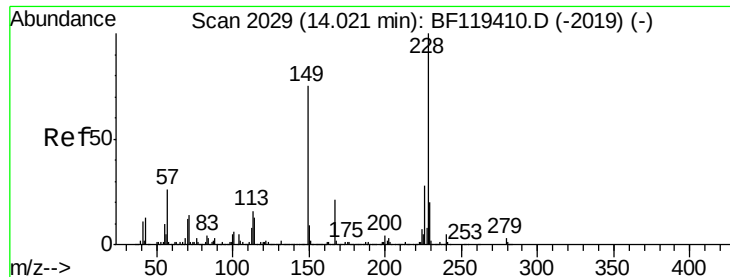
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.8	25.2
203	17.8	15.1	22.7



#79
 Terphenyl-d14
 Concen: 60.84 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.8	8.8
122	10.8	10.3	15.5





#81

Benzo(a)anthracene

Concen: 9.47 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

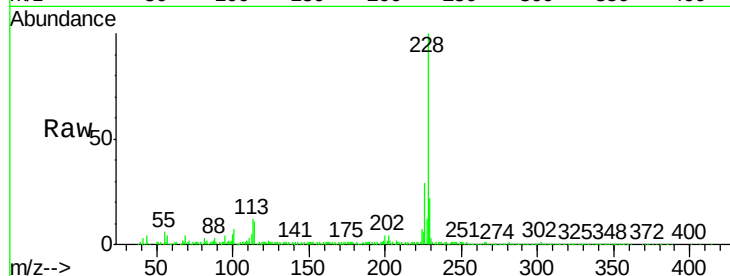
Tgt Ion:228 Resp: 313039

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

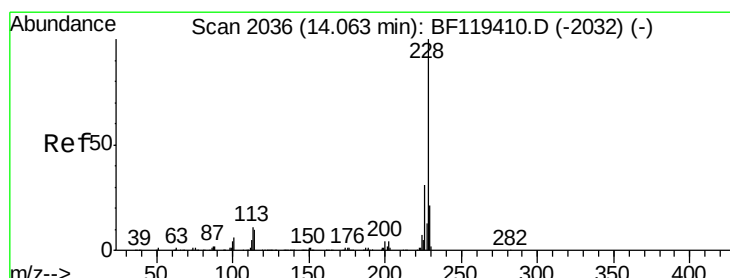
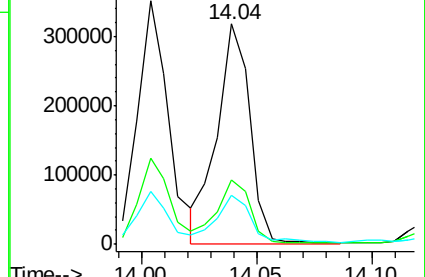
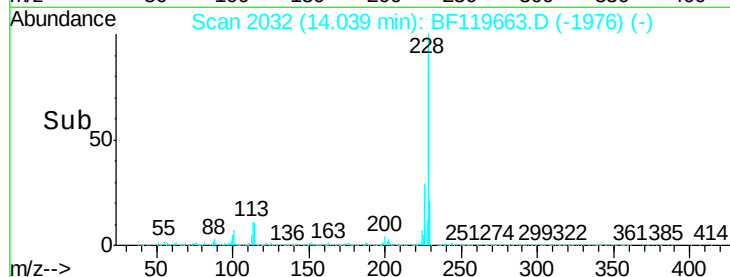
229 22.2 16.2 24.4



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: 9.17 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

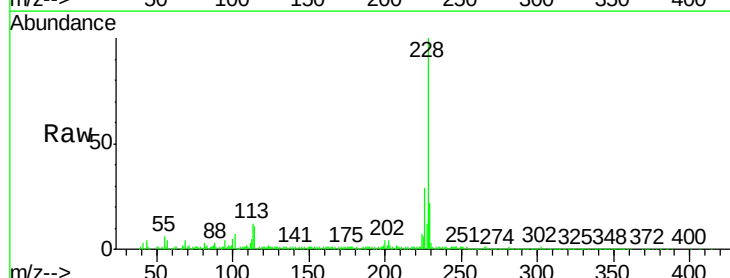
Tgt Ion:228 Resp: 313039

Ion Ratio Lower Upper

228 100

226 29.2 25.4 38.0

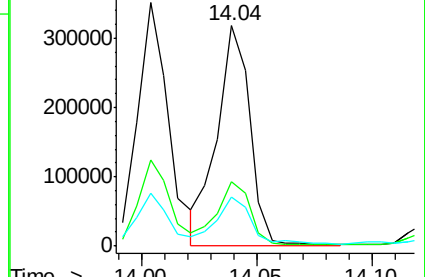
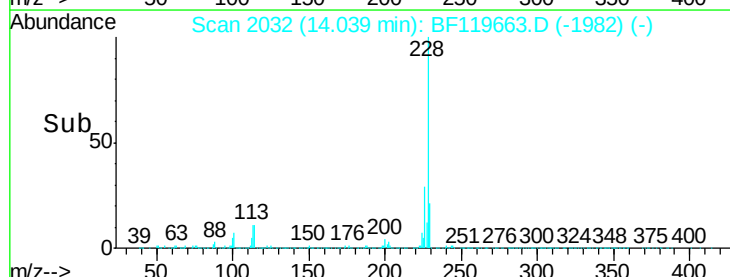
229 22.2 16.6 24.8

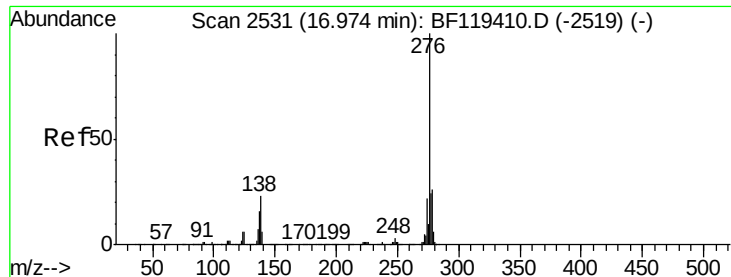


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

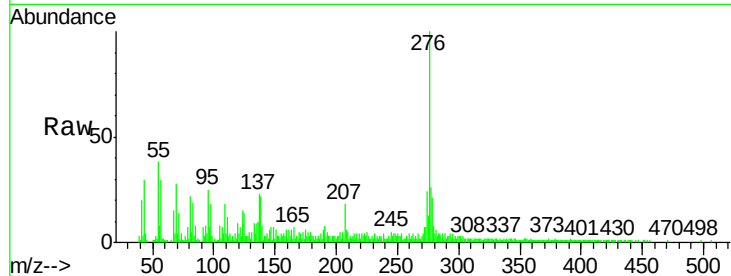




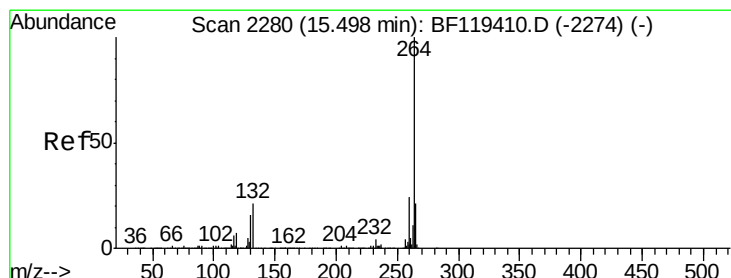
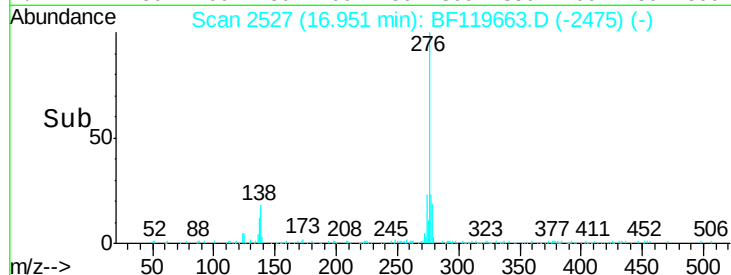
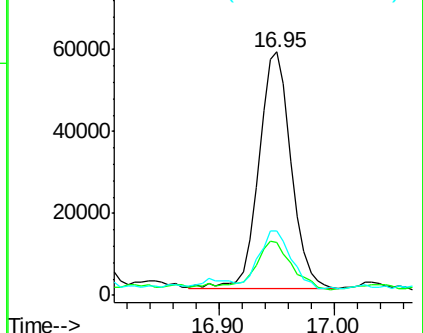
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.53 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.01 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.6	29.4
277	24.6	20.0	30.0

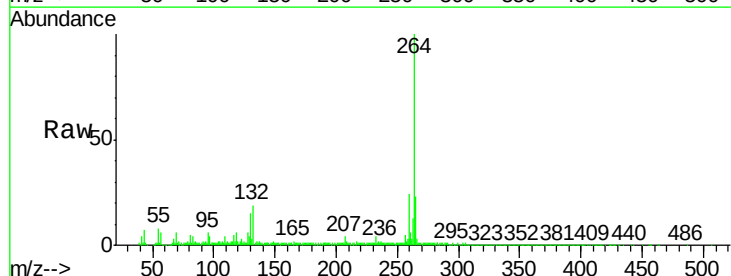


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

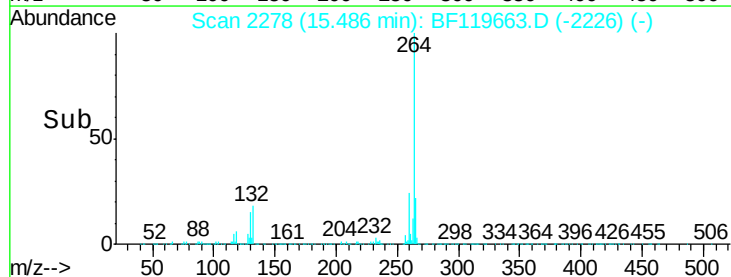
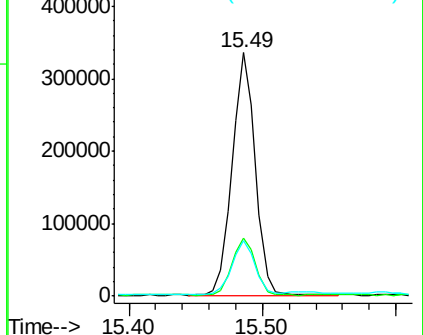


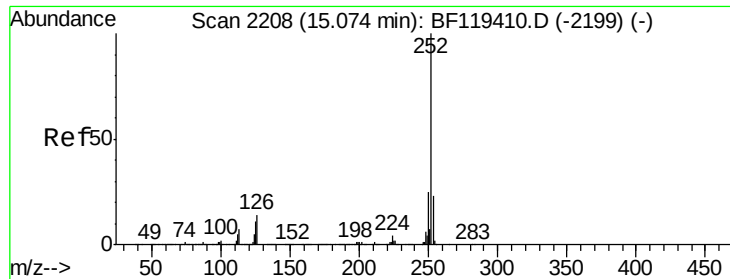
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.6	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

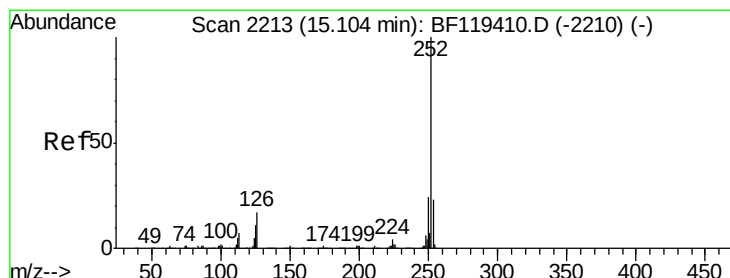
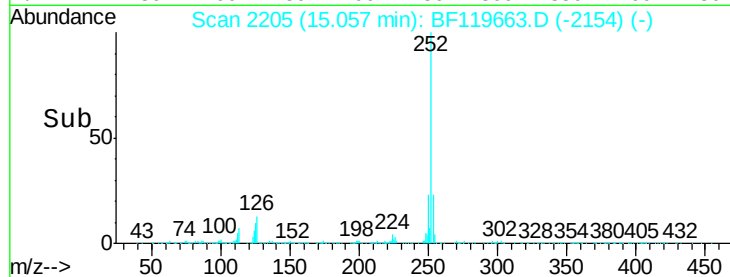
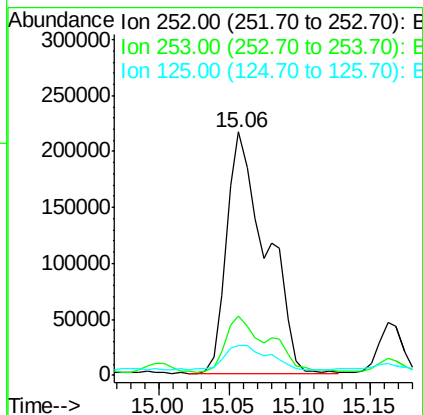
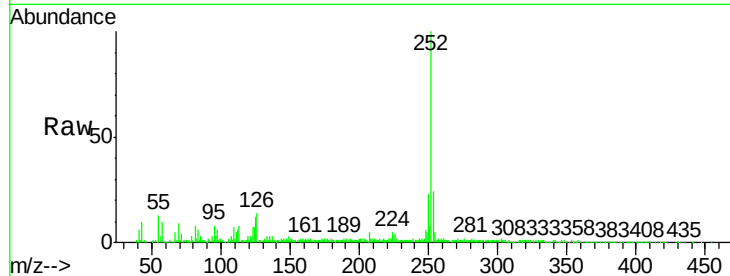




#88
Benzo(b)fluoranthene
Concen: 15.49 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

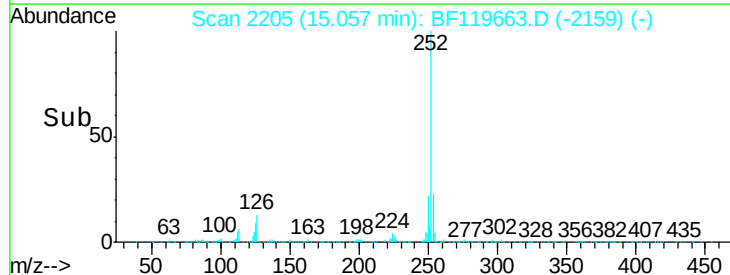
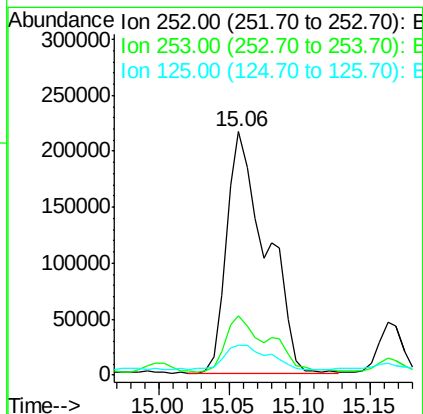
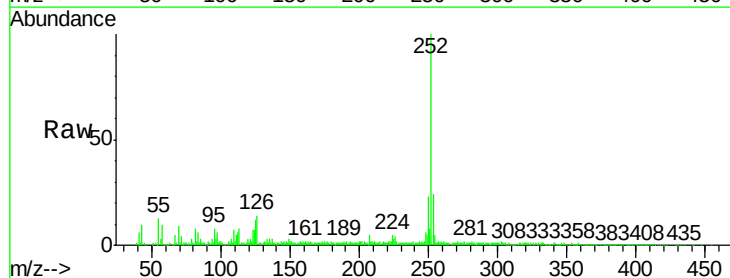
Instrument :
BNA_F
ClientSampled :
SB-7-(1-3)

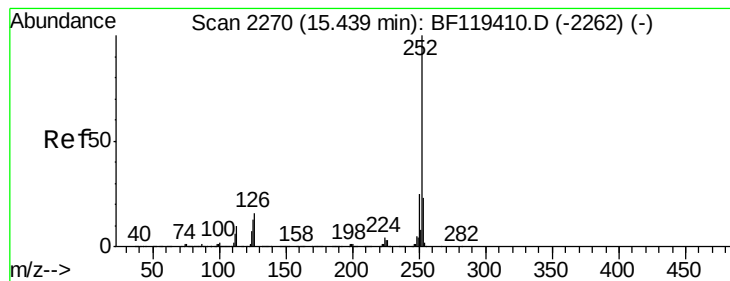
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	12.1	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 16.27 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	12.1	8.4	12.6





#90

Benzo(a)pyrene

Concen: 8.28 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

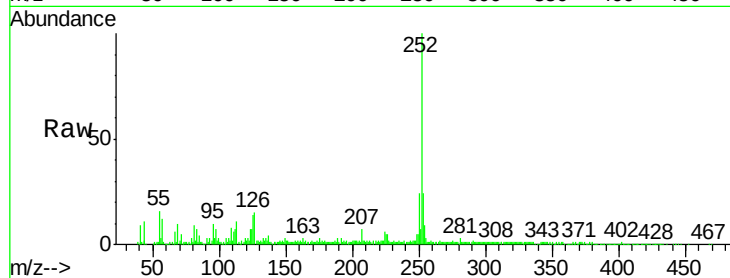
Tgt Ion:252 Resp: 204039

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

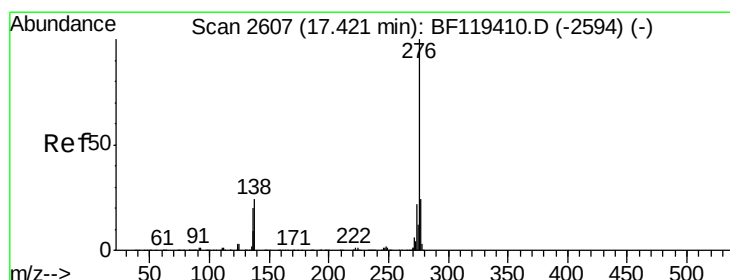
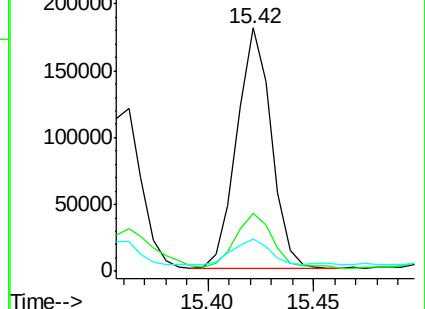
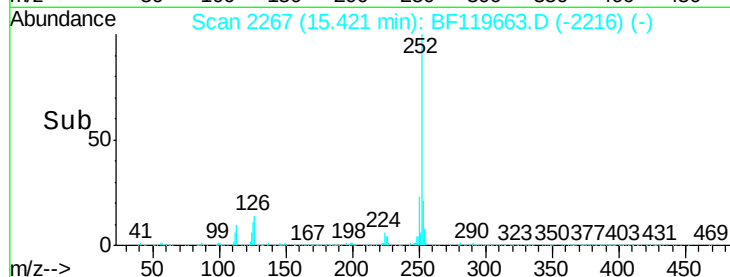
125 13.6 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.80 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

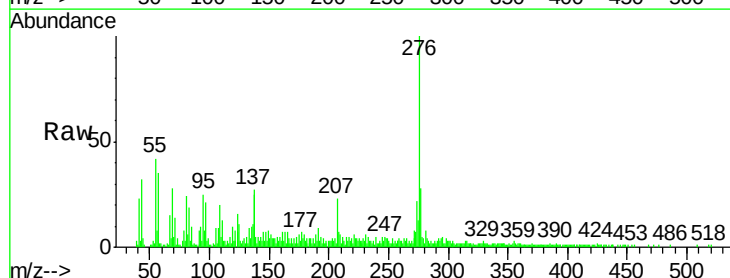
Tgt Ion:276 Resp: 103994

Ion Ratio Lower Upper

276 100

277 27.6 18.4 27.6

138 24.5 15.4 23.0#



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

