

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
 Data File : BF119698.D
 Acq On : 2 Apr 2020 5:46
 Operator : MA/SJ
 Sample : L2055-03RE
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Apr 02 06:18:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	247763	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	914515	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	443094	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	775613	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	463929	20.00	ng	-0.02
87) Perylene-d12	15.44	264	470240	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1468032	94.32	ng	0.00
7) Phenol-d6	6.44	99	1858491	93.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	1161129	69.00	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	450593	98.57	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1947162	65.10	ng	0.00
79) Terphenyl-d14	12.93	244	1680864	70.98	ng	-0.01

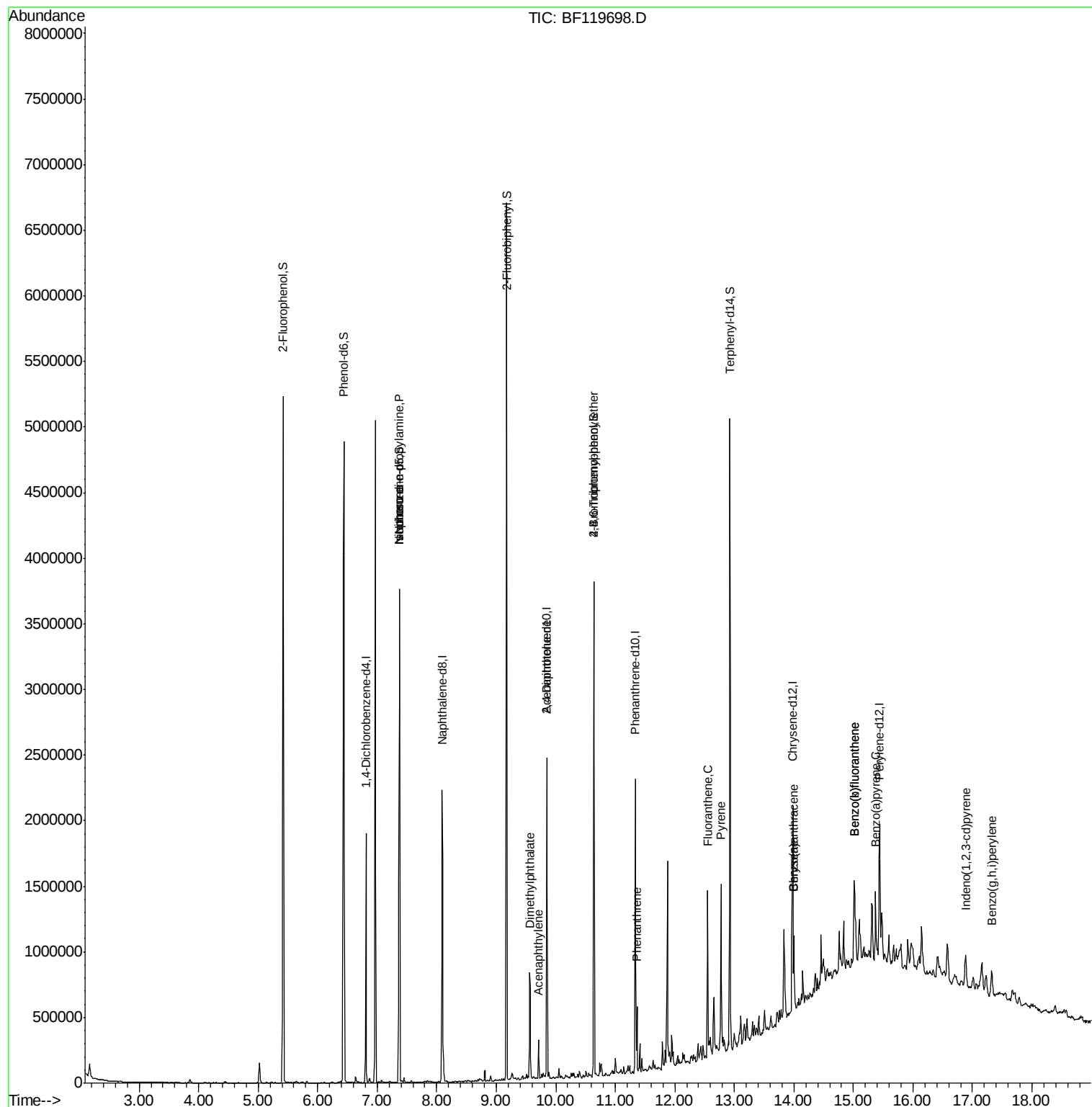
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	151184	12.62	ng	# 73
25) Isophorone	7.37	82	1161118	34.02	ng	# 65
49) Acenaphthylene	9.71	152	111090	2.50	ng	98
50) Dimethylphthalate	9.56	163	293869	9.34	ng	100
57) 2,4-Dinitrotoluene	9.85	165	57959	6.82	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	27337	3.09	ng	# 1
71) Phenanthrene	11.36	178	181075	4.50	ng	97
75) Fluoranthene	12.55	202	471656	10.84	ng	98
78) Pyrene	12.78	202	484529	12.73	ng	98
81) Benzo(a)anthracene	14.00	228	224010	7.43	ng	94
83) Chrysene	14.00	228	224010	7.19	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	165361	5.64	ng	96
88) Benzo(b)fluoranthene	15.02	252	462012	14.71	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	462012	15.45	ng	# 94
90) Benzo(a)pyrene	15.37	252	246675	8.64	ng	98
92) Benzo(g,h,i)perylene	17.32	276	160480	6.40	ng	# 91

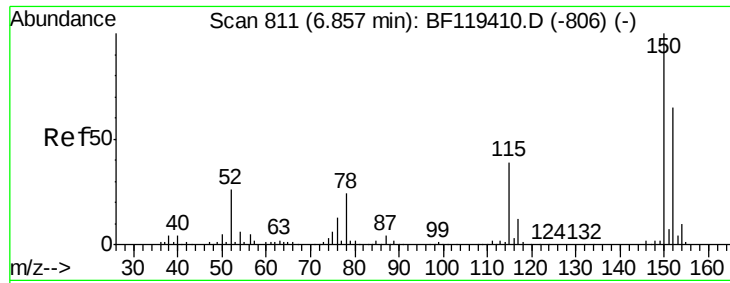
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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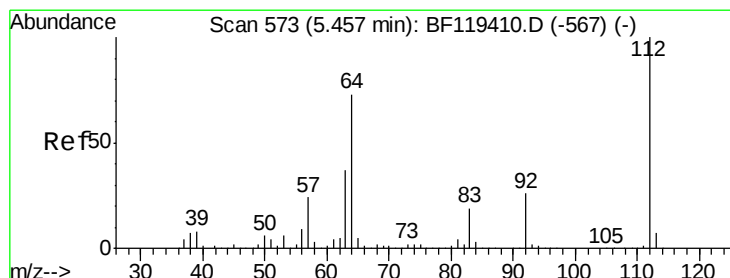
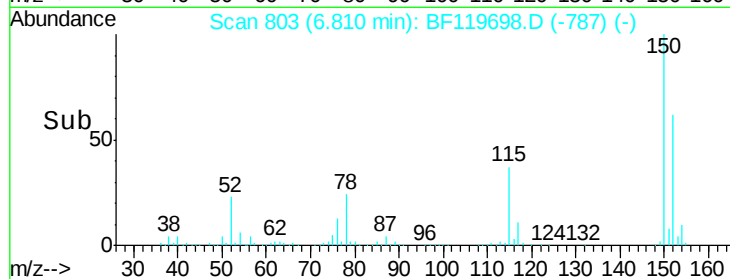
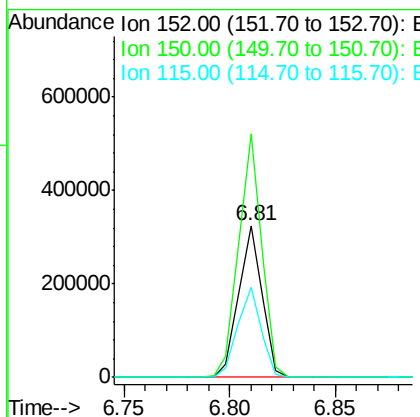
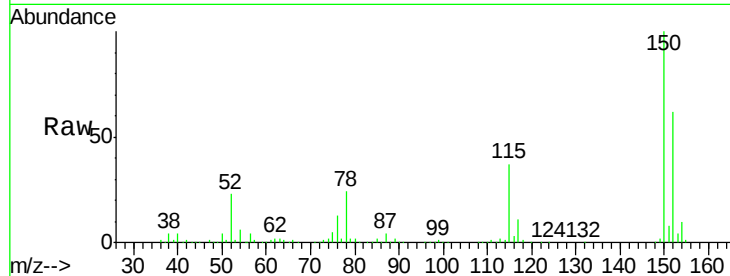




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

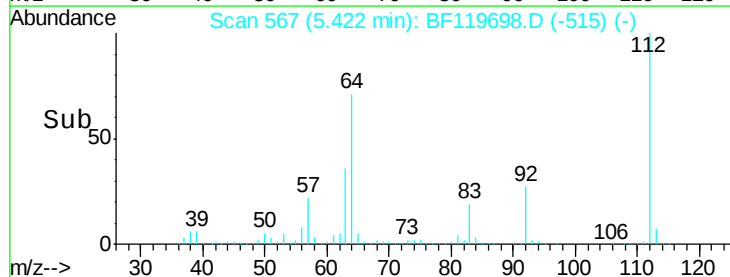
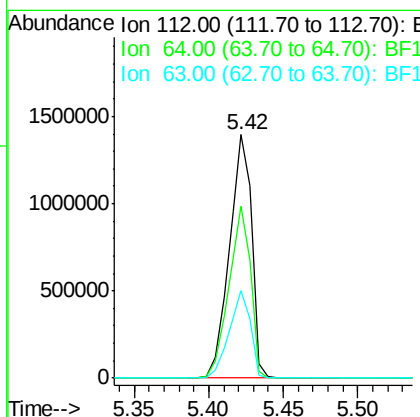
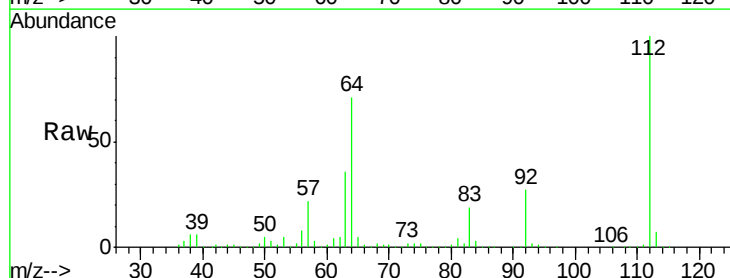
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(1-3)

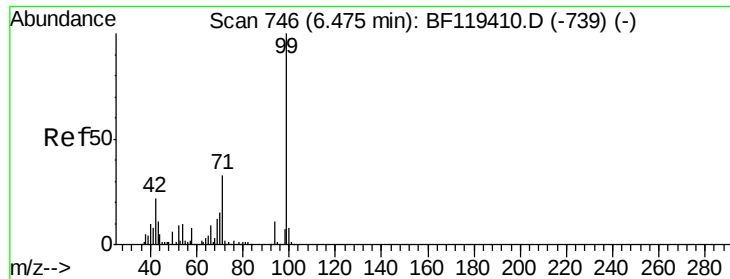
Tgt Ion:152 Resp: 247763
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.5 186.7
 115 59.7 49.6 74.4



#5
 2-Fluorophenol
 Concen: 94.32 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

Tgt Ion:112 Resp: 1468032
 Ion Ratio Lower Upper
 112 100
 64 70.6 56.7 85.1
 63 35.8 29.5 44.3





#7

Phenol-d6

Concen: 93.48 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

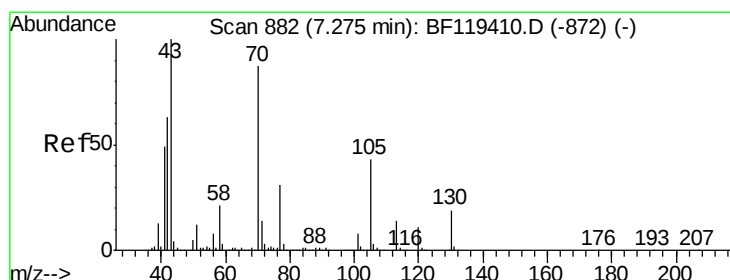
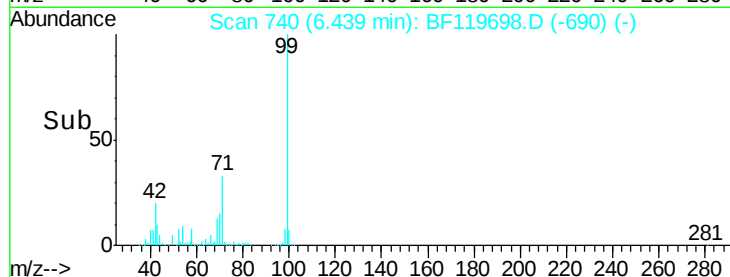
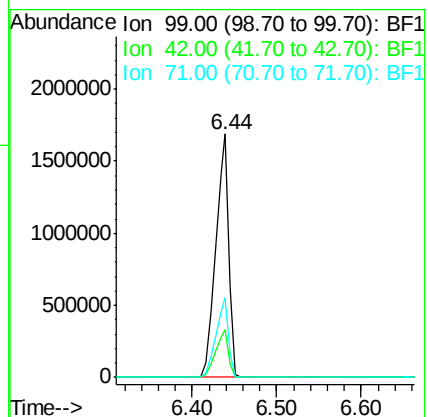
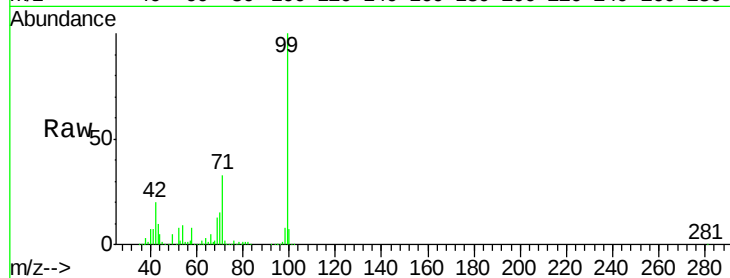
Tgt Ion: 99 Resp: 1858491

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 33.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.62 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Tgt Ion: 70 Resp: 151184

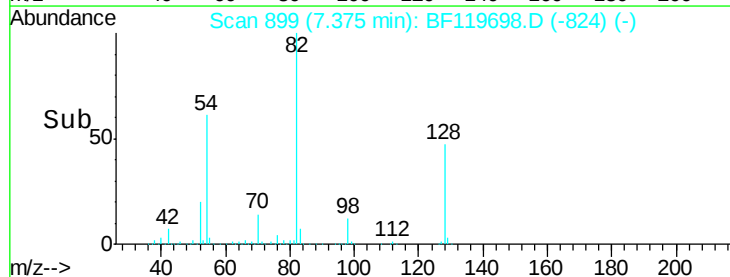
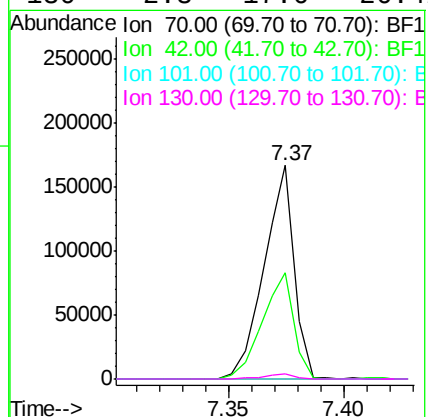
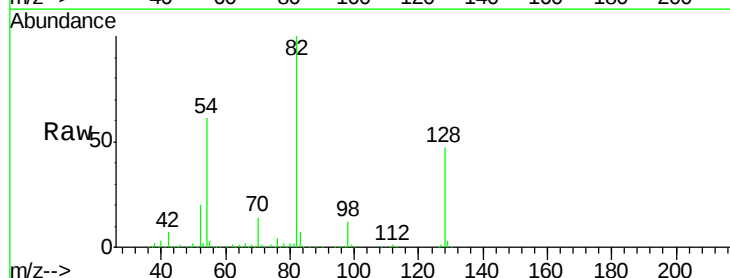
Ion Ratio Lower Upper

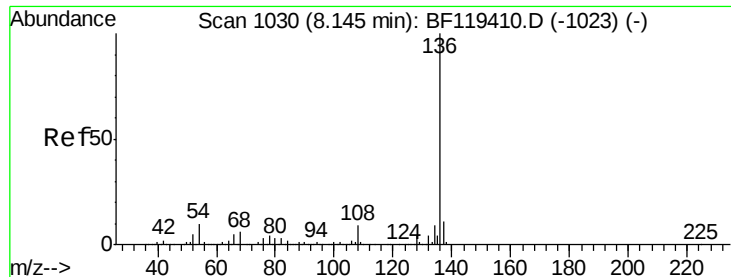
70 100

42 49.5 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

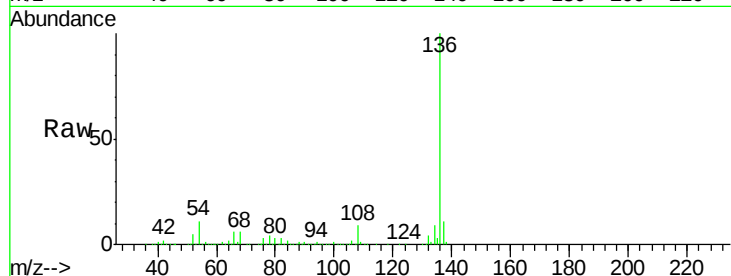




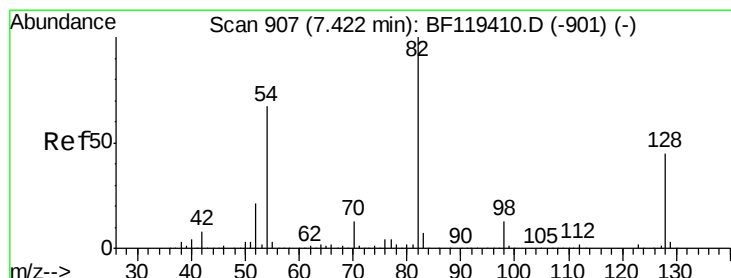
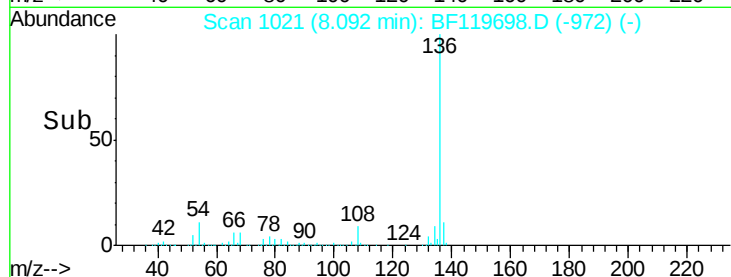
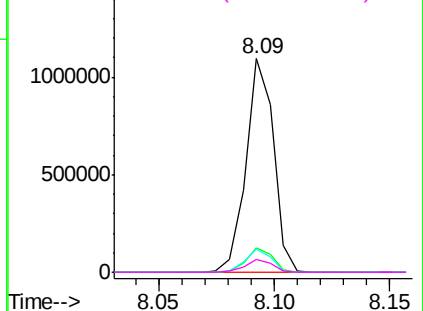
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

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

Tgt Ion:136	Resp:	914515
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.7 13.1
54	11.0	9.1 13.7
68	6.3	4.6 6.8

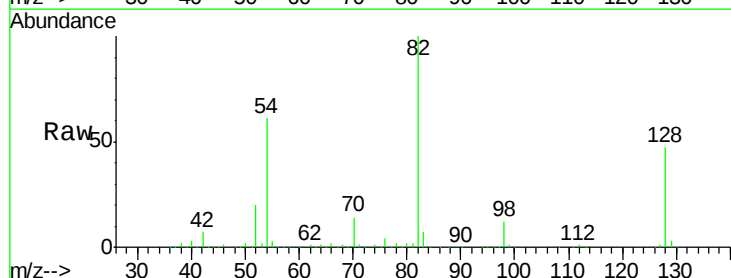


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

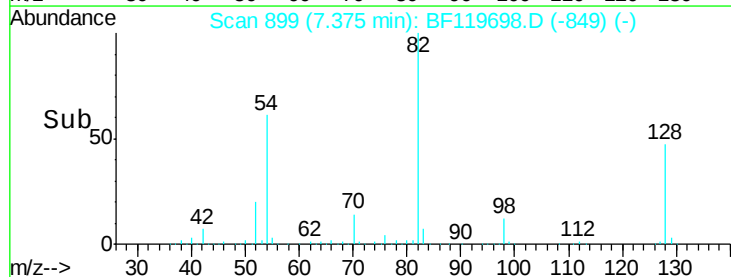
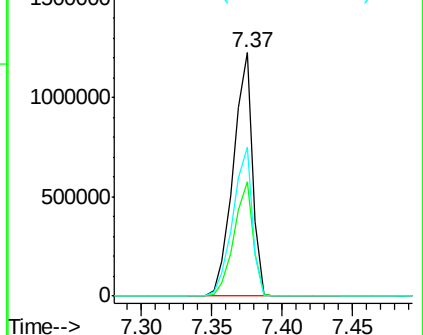


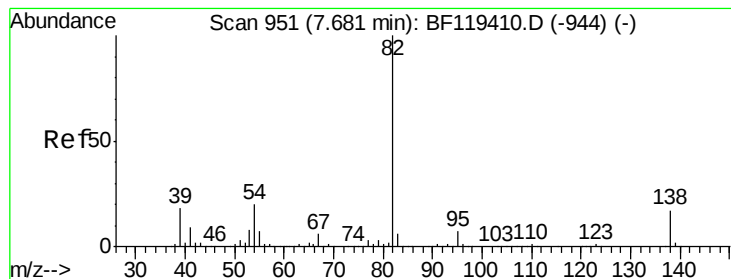
#23
Nitrobenzene-d5
Concen: 69.00 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion: 82	Resp:	1161129
Ion Ratio	Lower	Upper
82	100	
128	46.8	36.3 54.5
54	61.2	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: 34.02 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

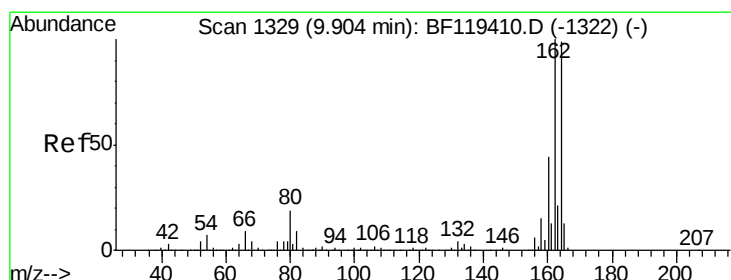
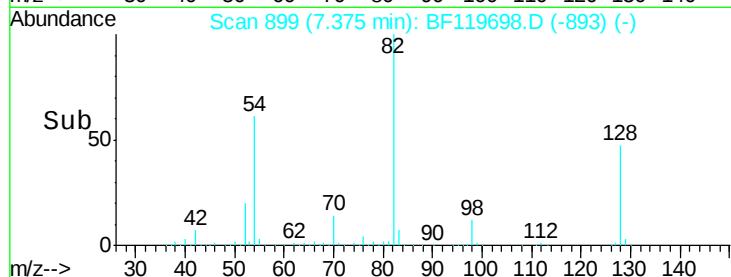
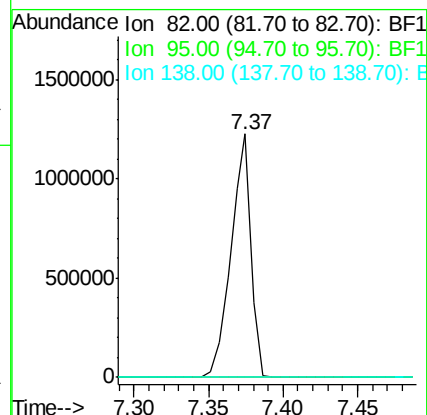
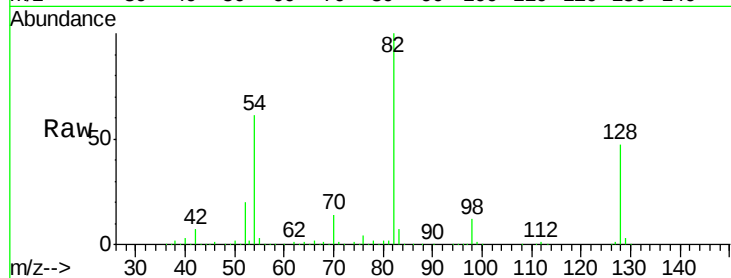
Tgt Ion: 82 Resp: 1161118

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

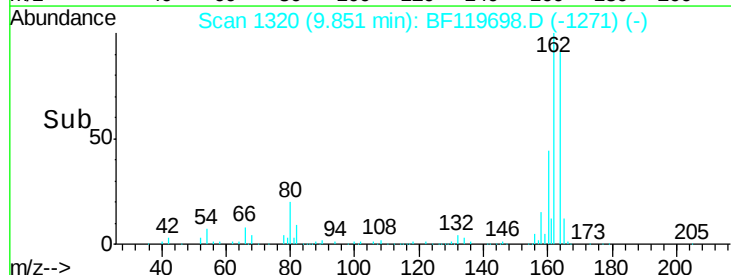
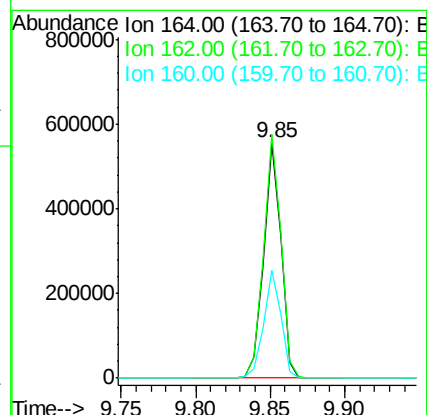
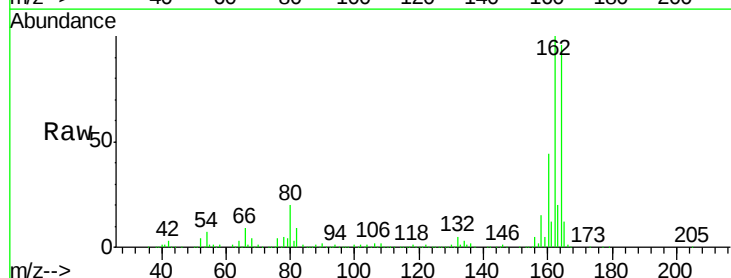
Tgt Ion: 164 Resp: 443094

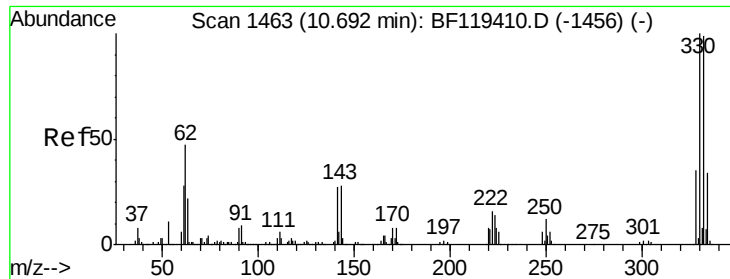
Ion Ratio Lower Upper

164 100

162 103.7 80.6 121.0

160 45.8 35.7 53.5

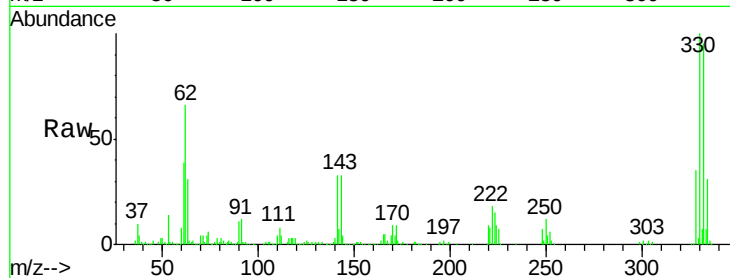




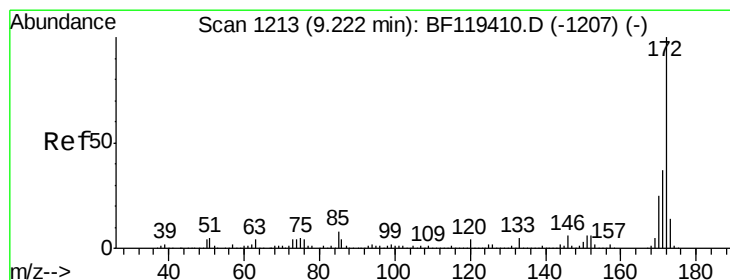
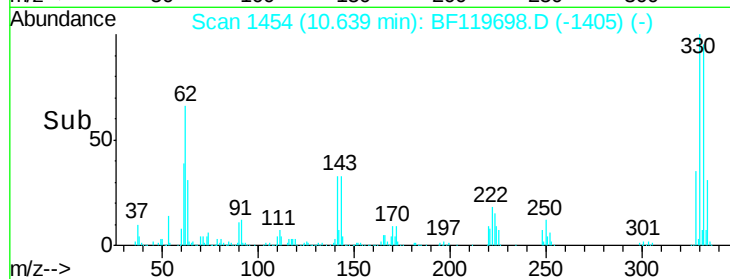
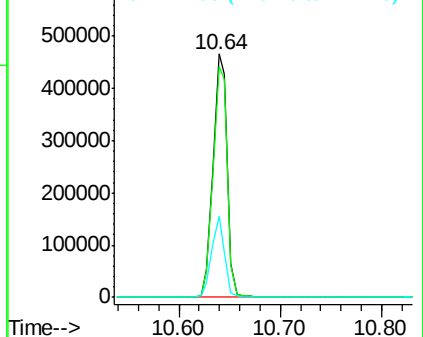
#42
 2,4,6-Tribromophenol
 Concen: 98.57 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

Instrument :
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 SB-6-(1-3)

Tgt Ion:330 Resp: 450593
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.7 113.5
 141 30.4 25.4 38.0

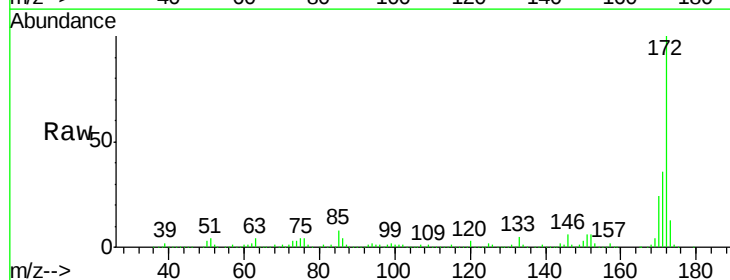


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

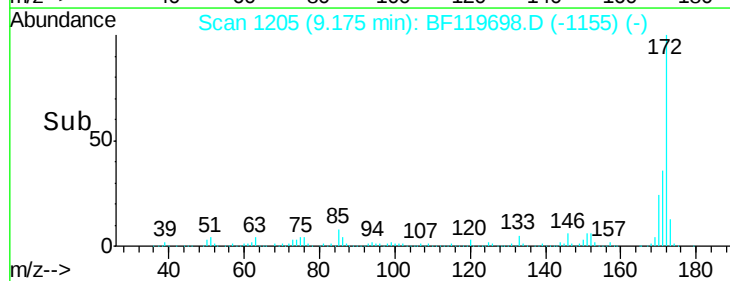
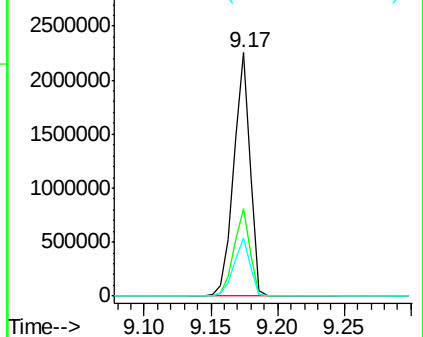


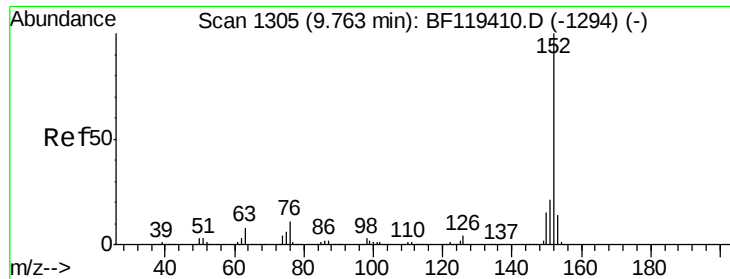
#45
 2-Fluorobiphenyl
 Concen: 65.10 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

Tgt Ion:172 Resp: 1947162
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.0 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: 2.50 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

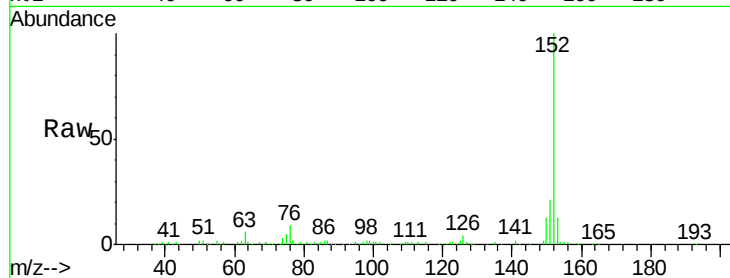
Tgt Ion:152 Resp: 111090

Ion Ratio Lower Upper

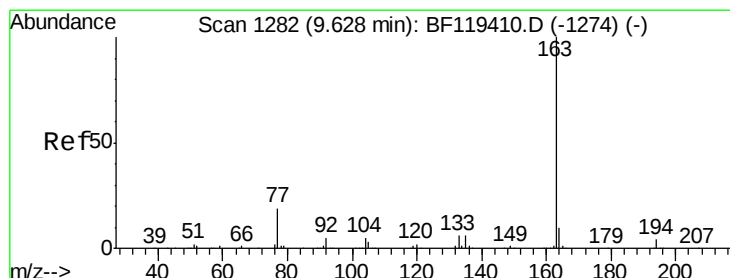
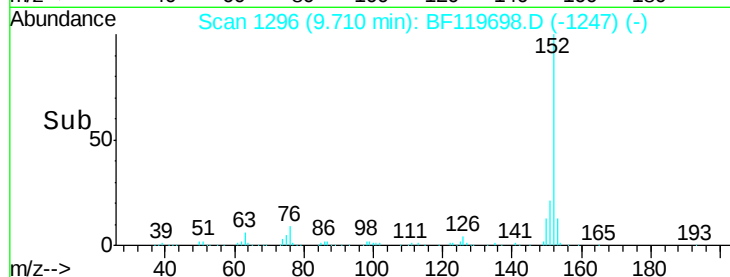
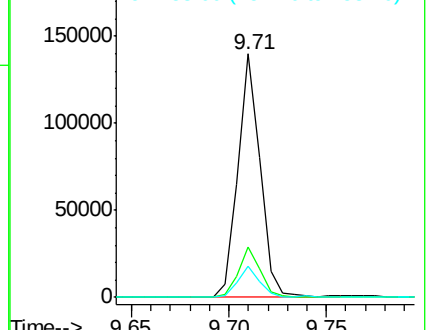
152 100

151 20.7 17.2 25.8

153 12.8 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: 9.34 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

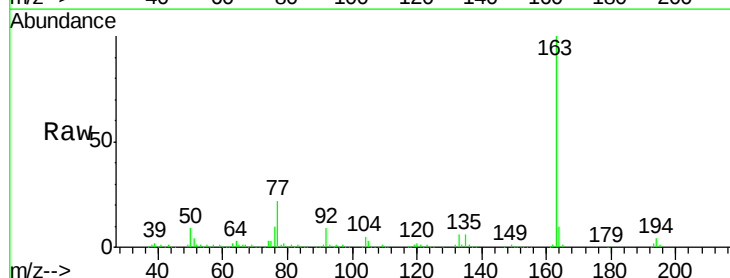
Tgt Ion:163 Resp: 293869

Ion Ratio Lower Upper

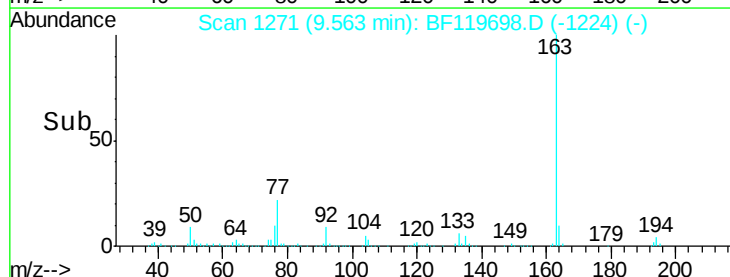
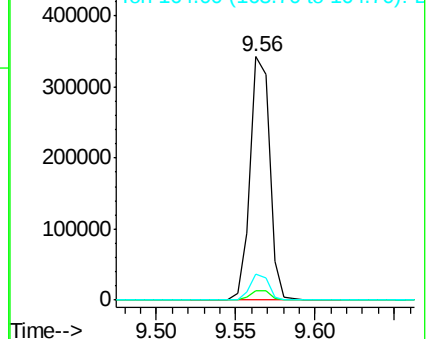
163 100

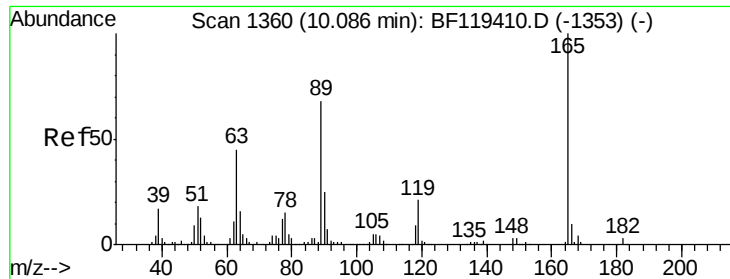
194 3.9 3.1 4.7

164 10.4 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

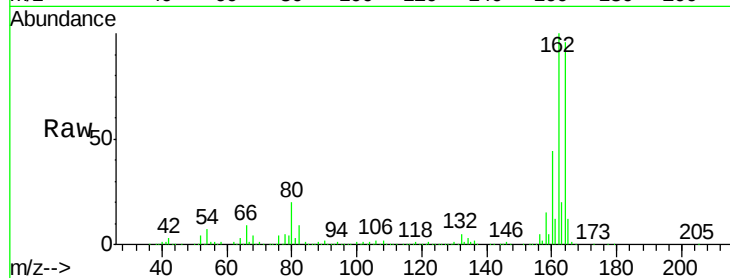




#57
 2,4-Dinitrotoluene
 Concen: 6.82 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.20 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

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

Tgt Ion:	165	Resp:	57959
Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.6	64.0#
89	1.2	61.0	91.4#
182	0.0	2.2	3.2#

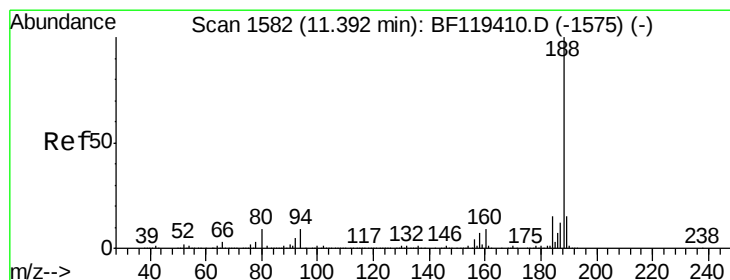
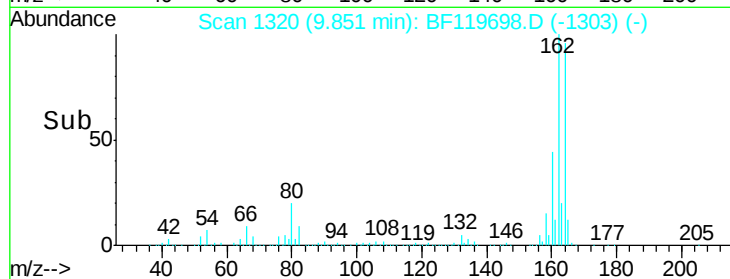
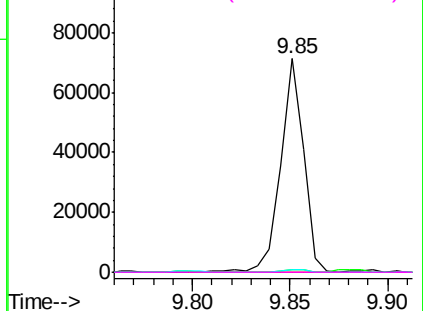


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

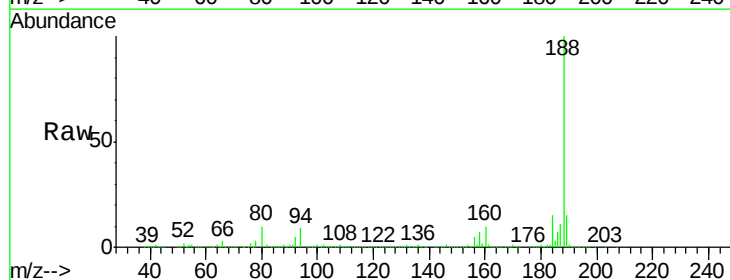
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

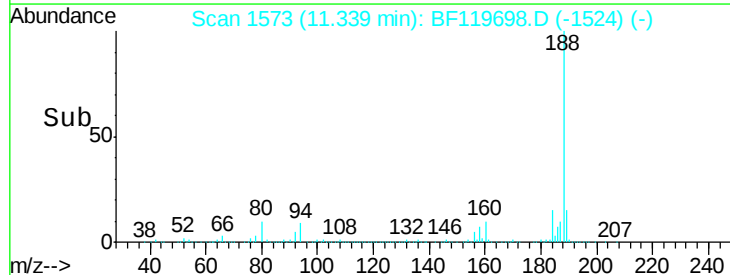
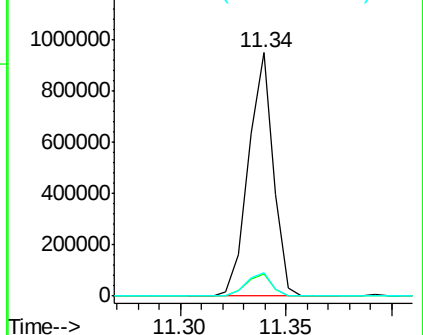
Tgt Ion:	188	Resp:	775613
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.5	11.3
80	9.6	9.0	13.4

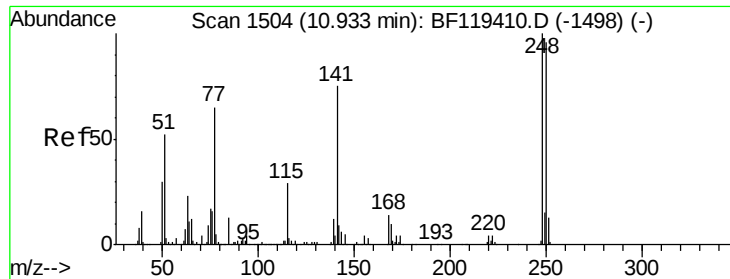


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

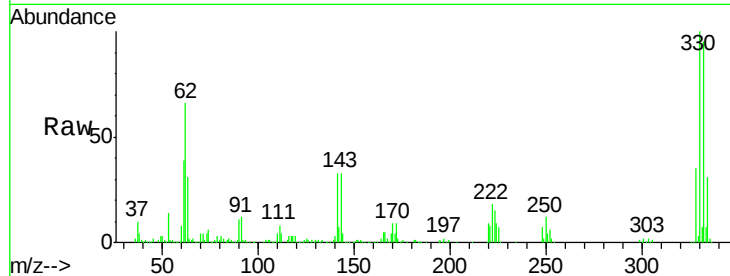




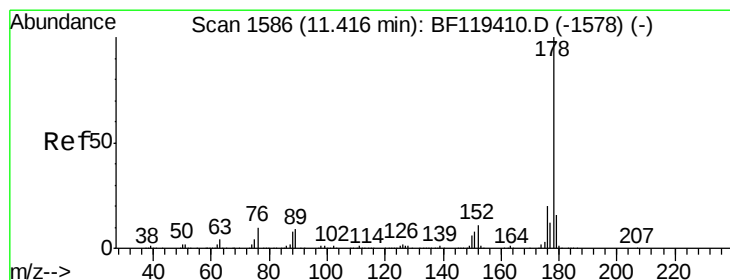
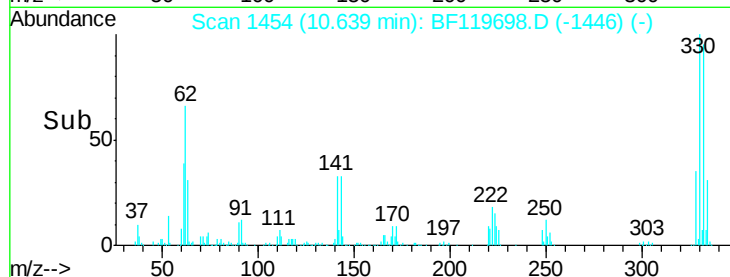
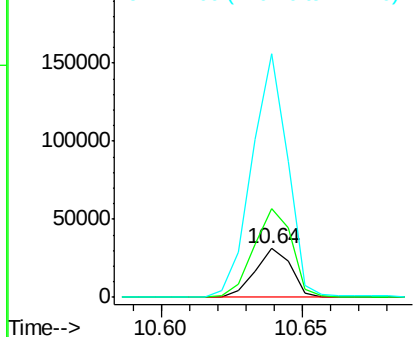
#67
 4-Bromophenyl-phenylether
 Concen: 3.09 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

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

Tgt Ion:248 Resp: 27337
 Ion Ratio Lower Upper
 248 100
 250 183.6 77.3 115.9#
 141 502.7 58.6 87.8#

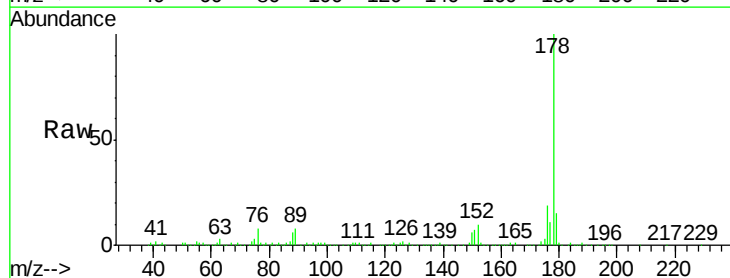


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

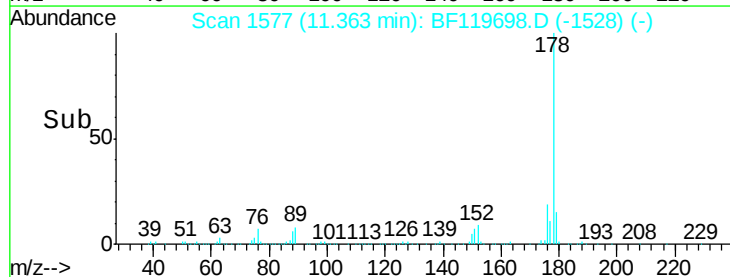
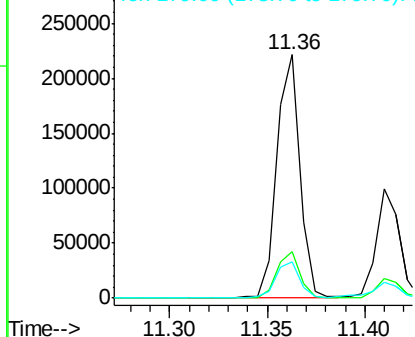


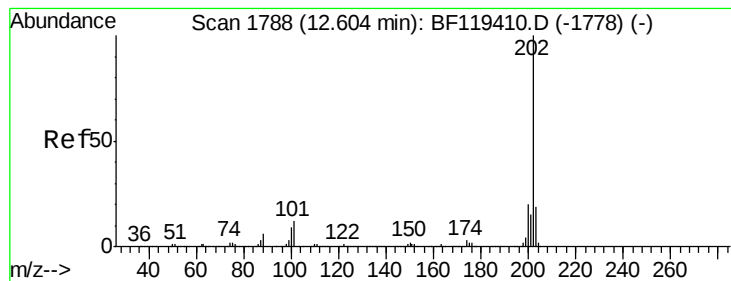
#71
 Phenanthrene
 Concen: 4.50 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119698.D
 Acq: 2 Apr 2020 5:46

Tgt Ion:178 Resp: 181075
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 14.8 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





#75

Fluoranthene

Concen: 10.84 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

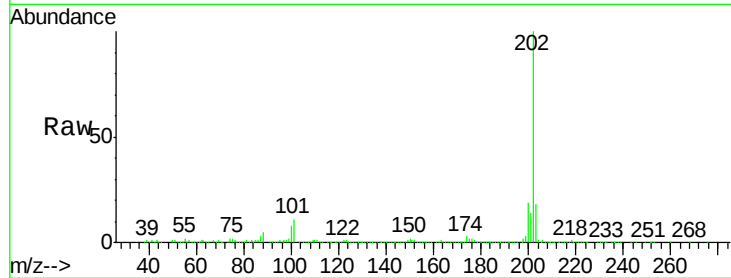
Tgt Ion: 202 Resp: 471656

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.2

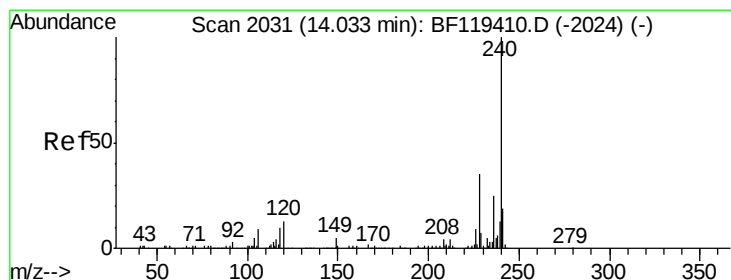
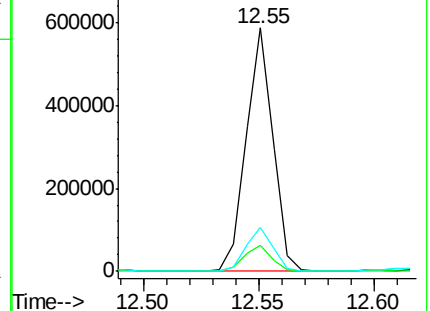
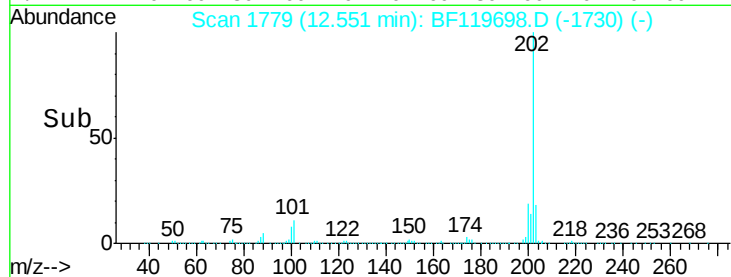
203 18.1 0.0 38.8



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: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

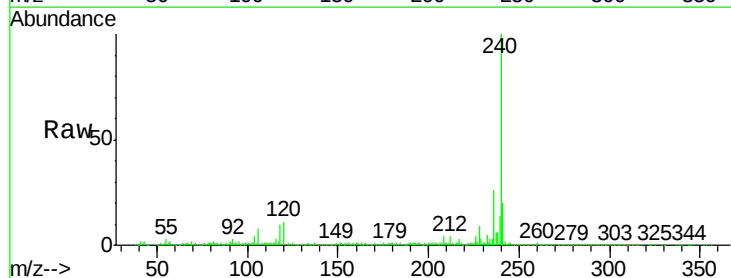
Tgt Ion: 240 Resp: 463929

Ion Ratio Lower Upper

240 100

120 11.4 10.6 15.8

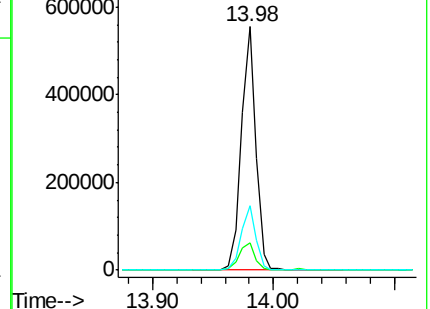
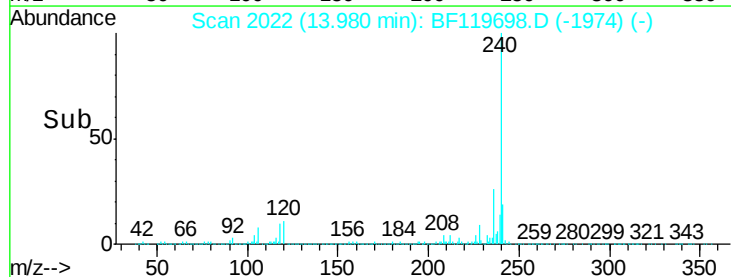
236 26.2 20.2 30.2

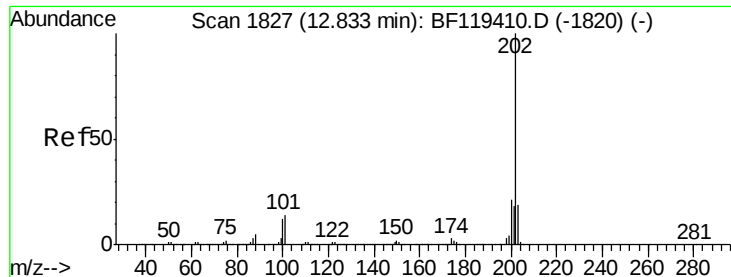


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 12.73 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

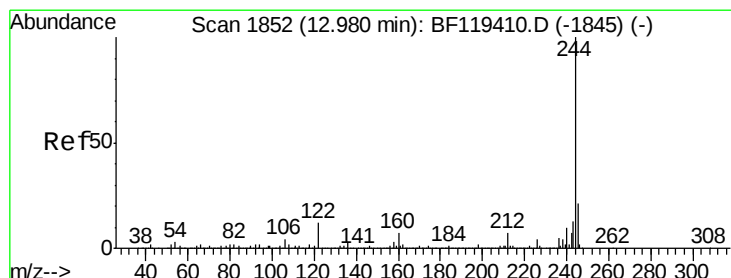
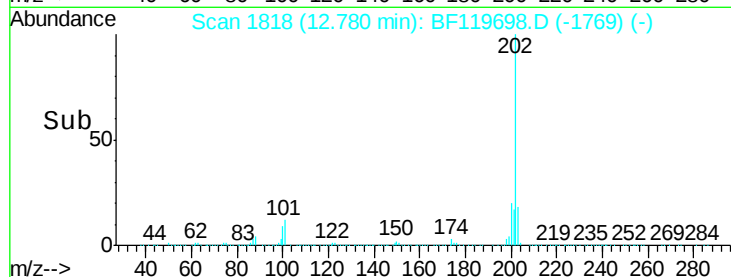
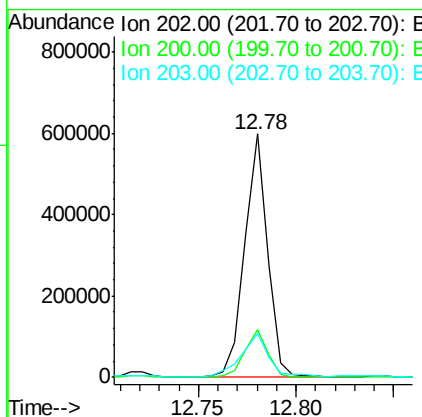
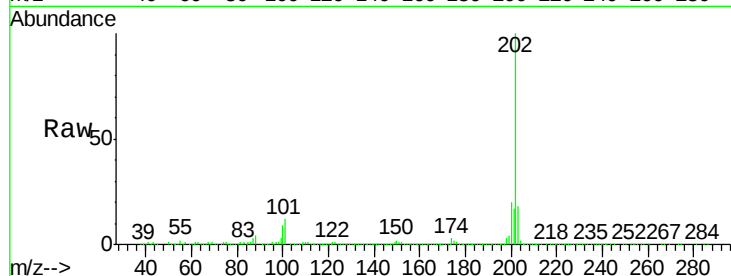
Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

Tgt Ion:	202	Resp:	484529
Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.1	15.1	22.7



#79

Terphenyl-d14

Concen: 70.98 ng

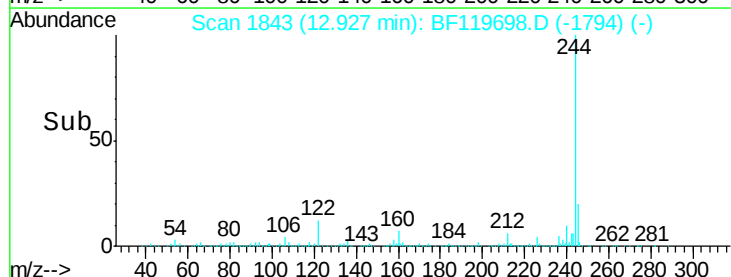
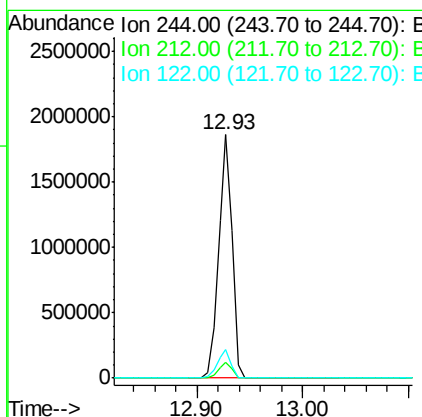
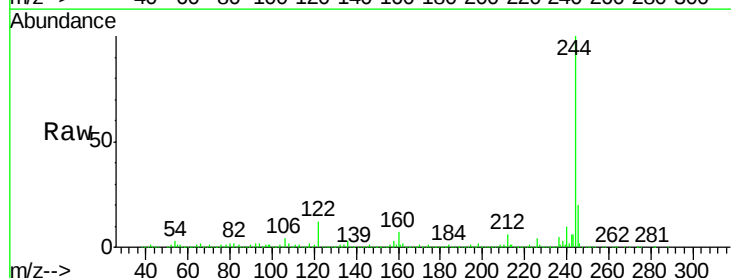
RT: 12.93 min Scan# 1843

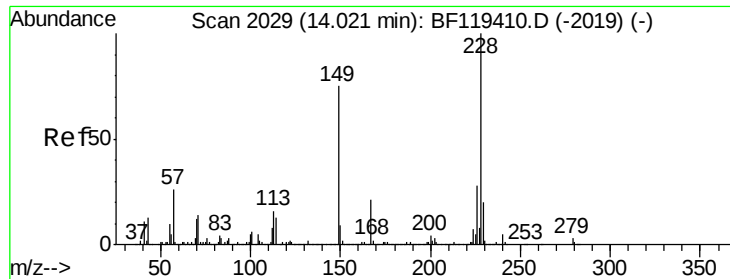
Delta R.T. -0.01 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Tgt Ion:	244	Resp:	1680864
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	12.0	10.3	15.5

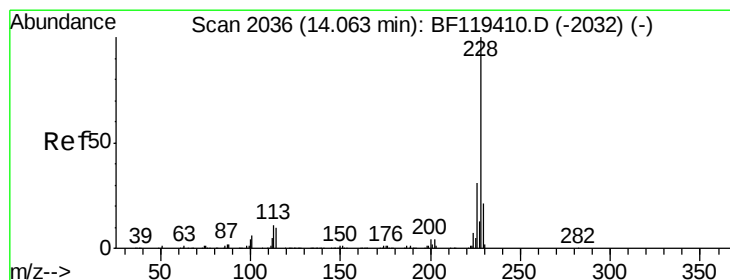
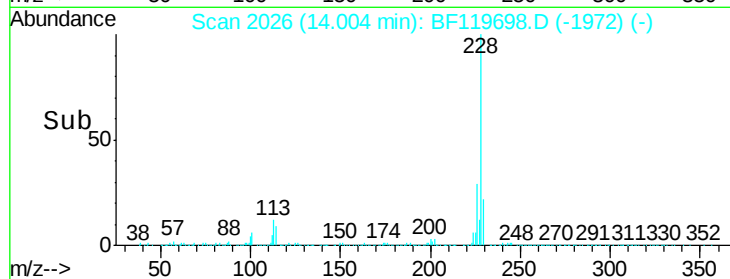
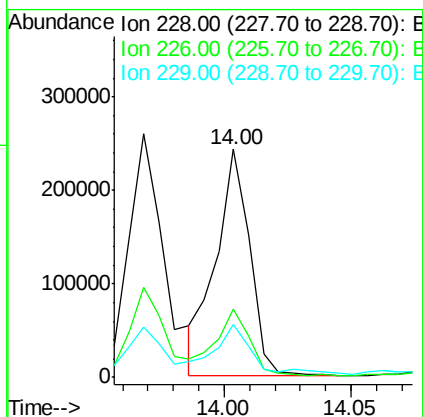
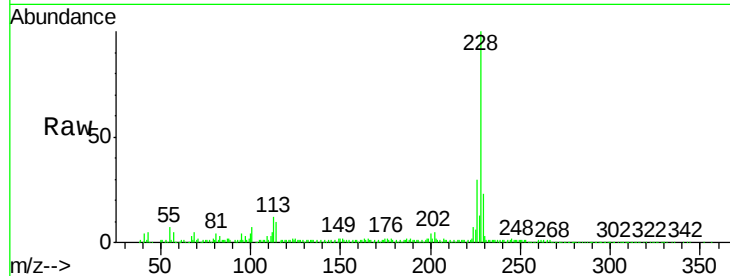




#81
Benzo(a)anthracene
Concen: 7.43 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

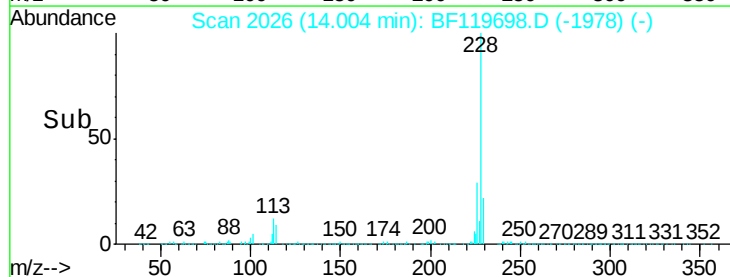
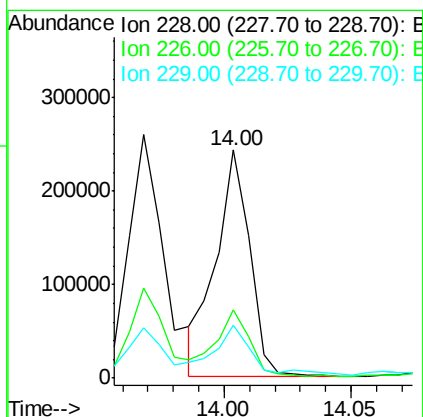
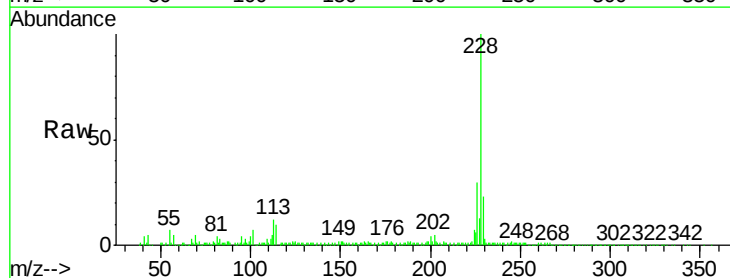
Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

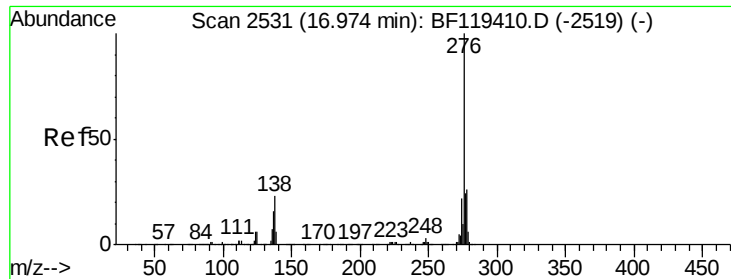
Tgt Ion: 228 Resp: 224010
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.8
229 23.4 16.2 24.4



#83
Chrysene
Concen: 7.19 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion: 228 Resp: 224010
Ion Ratio Lower Upper
228 100
226 29.8 25.4 38.0
229 23.4 16.6 24.8

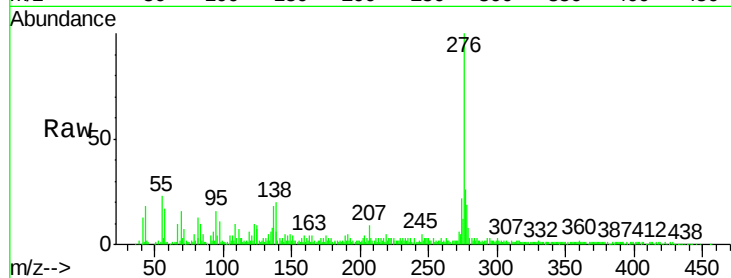




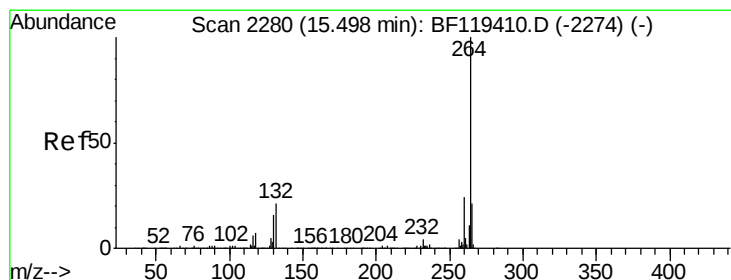
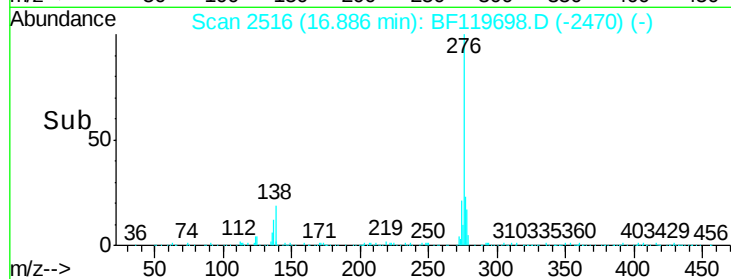
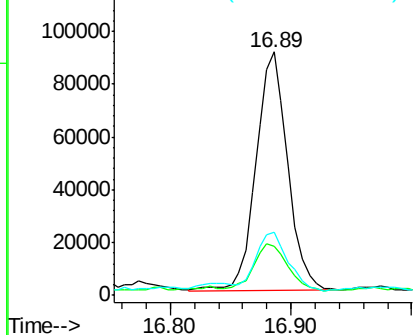
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.64 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.03 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

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

Tgt Ion: 276 Resp: 165361
Ion Ratio Lower Upper
276 100
138 20.5 19.6 29.4
277 25.0 20.0 30.0

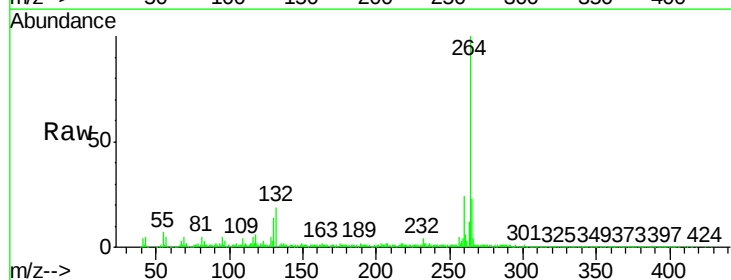


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

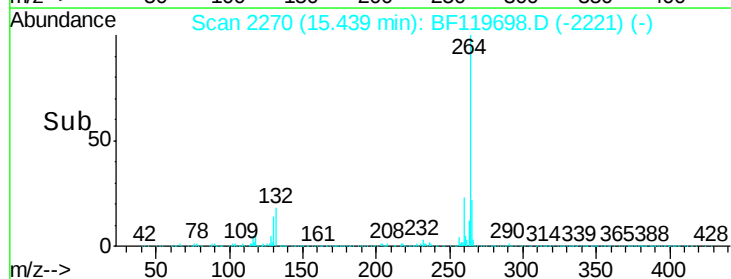
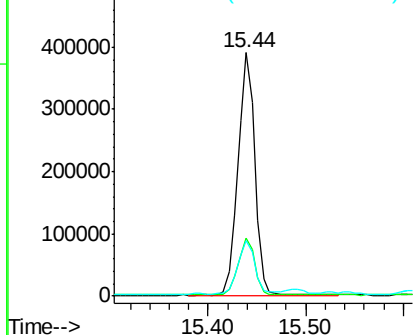


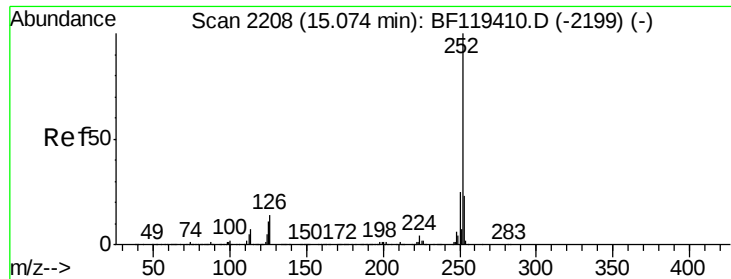
#87
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion: 264 Resp: 470240
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.7 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

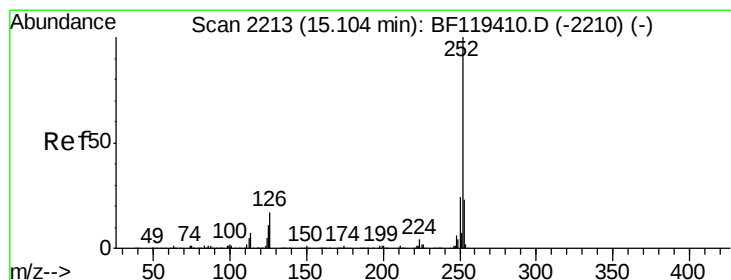
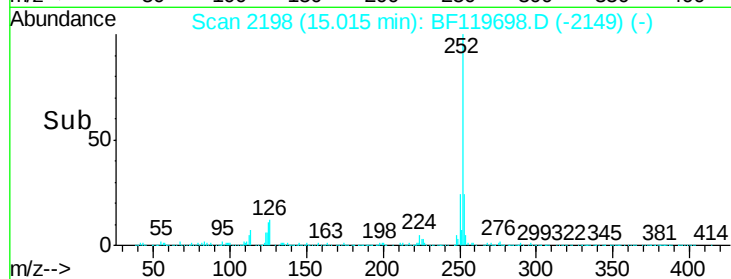
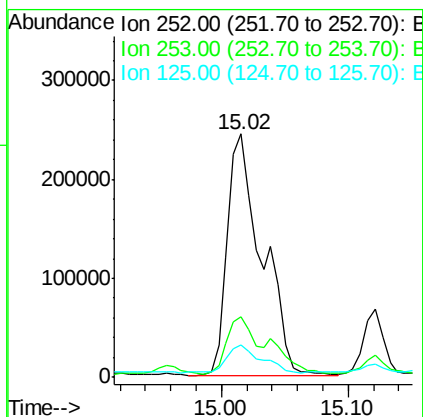
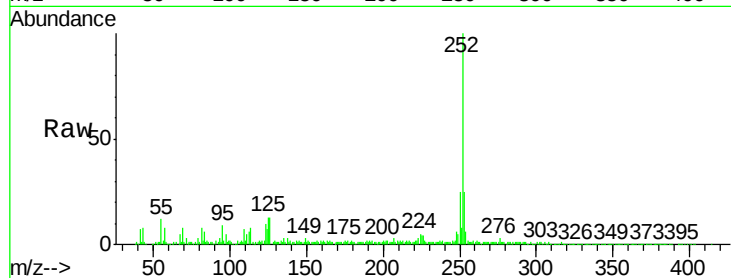




#88
Benzo(b)fluoranthene
Concen: 14.71 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

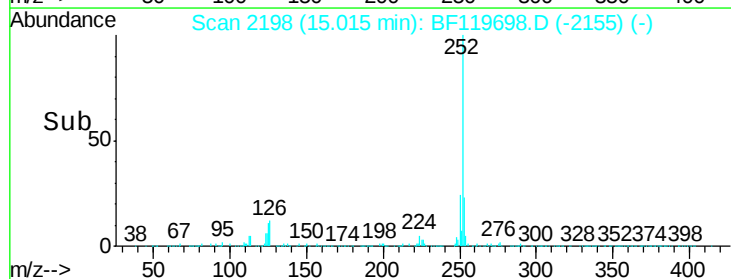
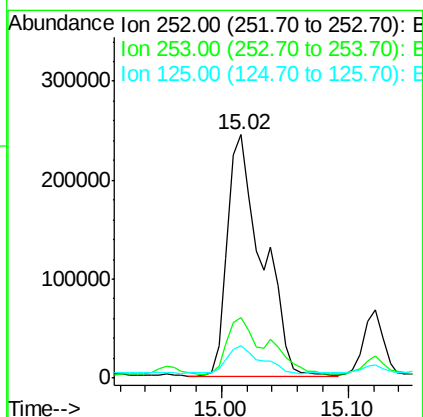
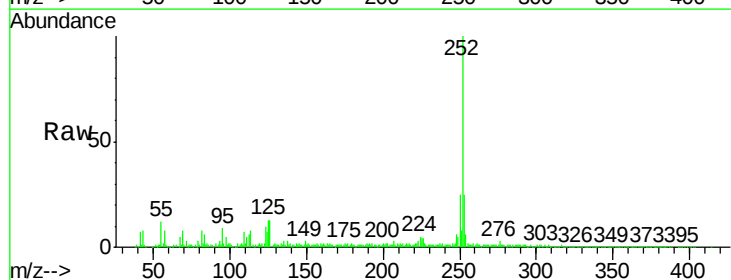
Instrument :
BNA_F
ClientSampleId :
SB-6-(1-3)

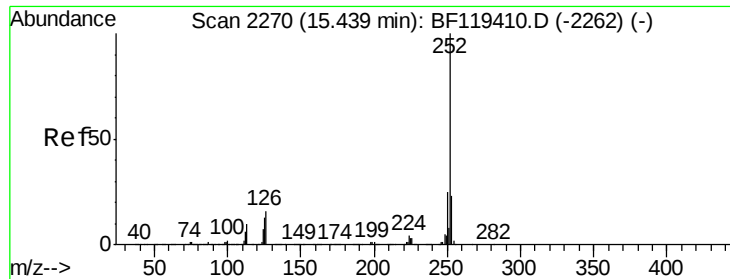
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.0
125	13.1	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 15.45 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF119698.D
Acq: 2 Apr 2020 5:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	13.1	8.4	12.6#





#90

Benzo(a)pyrene

Concen: 8.64 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

Instrument :

BNA_F

ClientSampleId :

SB-6-(1-3)

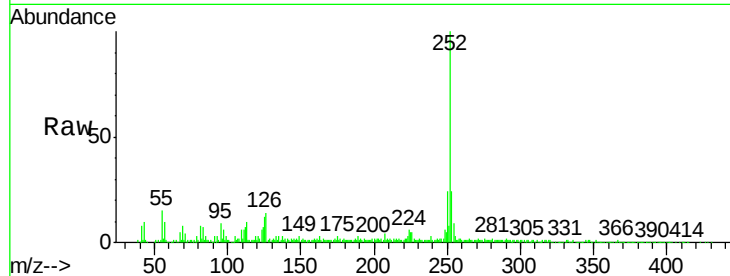
Tgt Ion: 252 Resp: 246675

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

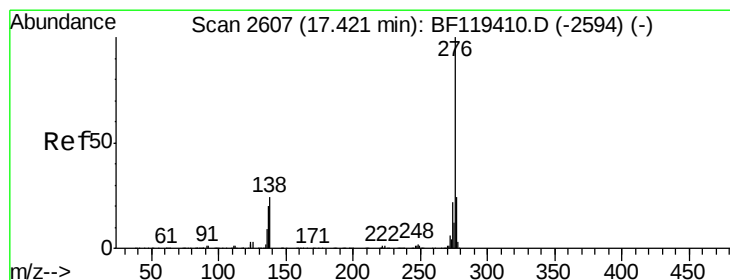
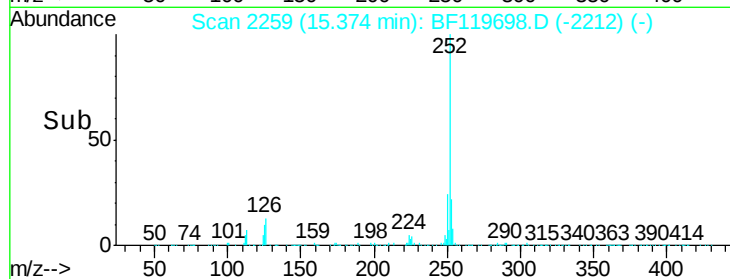
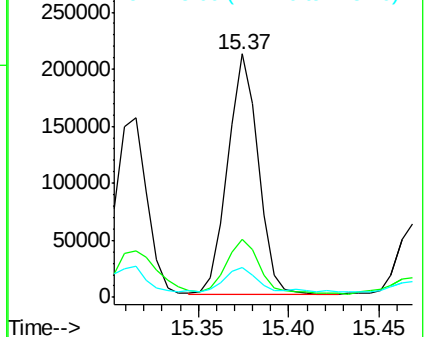
125 12.4 9.4 14.2



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: 6.40 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.04 min

Lab File: BF119698.D

Acq: 2 Apr 2020 5:46

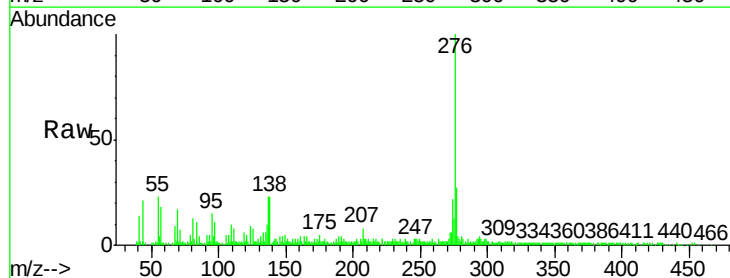
Tgt Ion: 276 Resp: 160480

Ion Ratio Lower Upper

276 100

277 27.2 18.4 27.6

138 23.4 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

