

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118246.D
 Acq On : 18 Dec 2019 00:32
 Operator : JU
 Sample : K6117-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:07:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

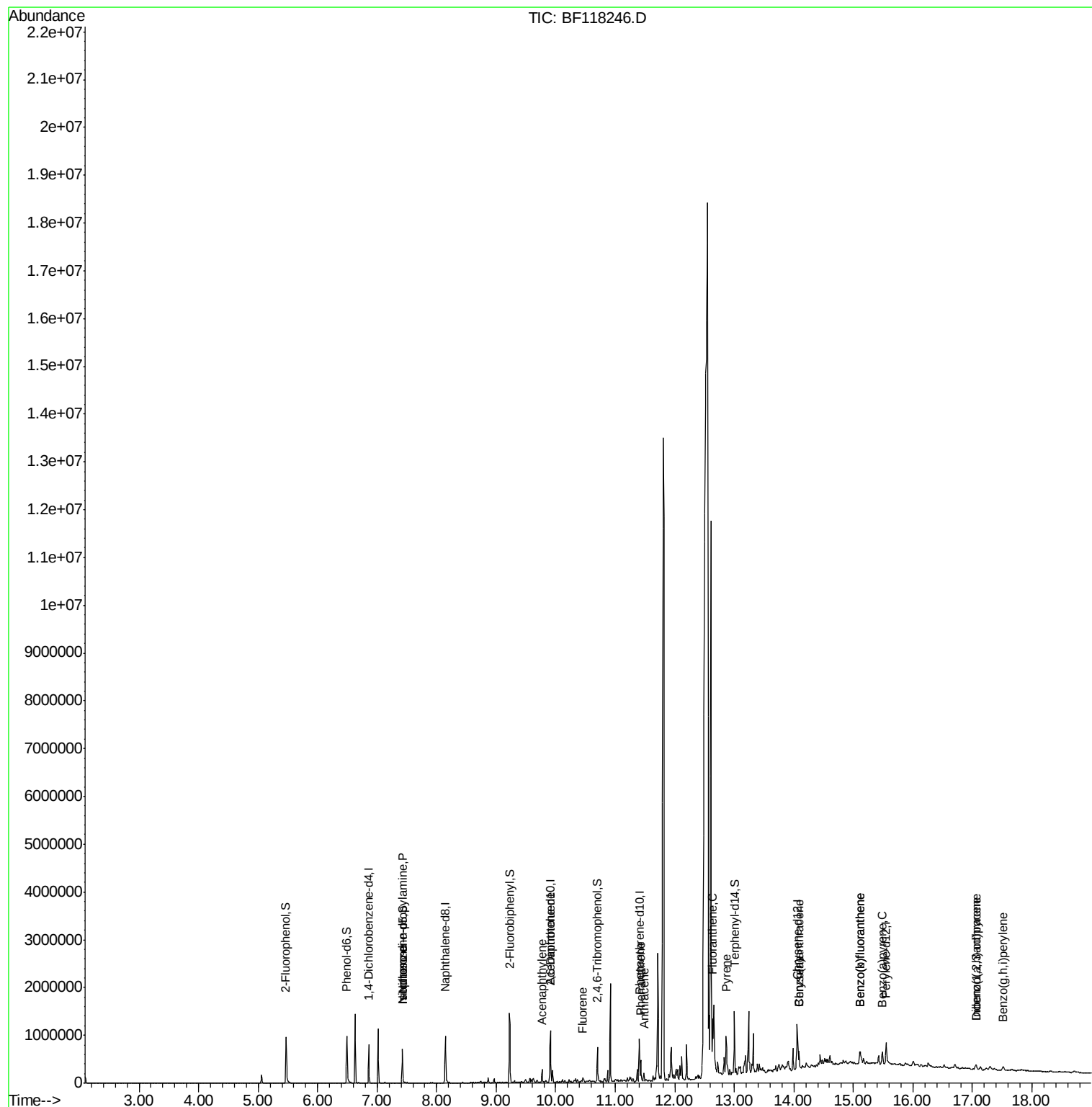
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	118198	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	443127	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	201927	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	317352	20.00	ng	0.00
76) Chrysene-d12	14.06	240	237330	20.00	ng	-0.01
87) Perylene-d12	15.55	264	194337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	316956	46.97	ng	0.00
7) Phenol-d6	6.49	99	397754	48.73	ng	-0.01
23) Nitrobenzene-d5	7.42	82	219663	27.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	89598	36.53	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	435058	32.78	ng	-0.02
79) Terphenyl-d14	13.00	244	413289	29.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	713	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	30411	6.131	ng	# 1
25) Isophorone	7.42	82	219660	16.451	ng	# 76
49) Acenaphthylene	9.77	152	101248	5.358	ng	# 62
51) 2,6-Dinitrotoluene	9.91	165	26995	8.324	ng	# 98
58) Fluorene	10.46	166	28848	2.148	ng	# 28
71) Phenanthrene	11.43	178	168644	9.997	ng	98
72) Anthracene	11.48	178	75121	4.464	ng	97
75) Fluoranthene	12.63	202	285496	16.552	ng	98
78) Pyrene	12.86	202	347636	18.588	ng	99
81) Benzo(a)anthracene	14.09	228	159484	9.718	ng	98
83) Chrysene	14.09	228	159484	10.174	ng	92
86) Indeno(1,2,3-cd)pyrene	17.06	276	62880	4.767	ng	95
88) Benzo(b)fluoranthene	15.11	252	195495	15.210	ng	95
89) Benzo(k)fluoranthene	15.11	252	195495	15.833	ng	# 96
90) Benzo(a)pyrene	15.49	252	119903	10.563	ng	# 93
91) Dibenzo(a,h)anthracene	17.06	278	19597	2.013	ng	# 96
92) Benzo(g,h,i)perylene	17.52	276	67399	7.204	ng	# 63

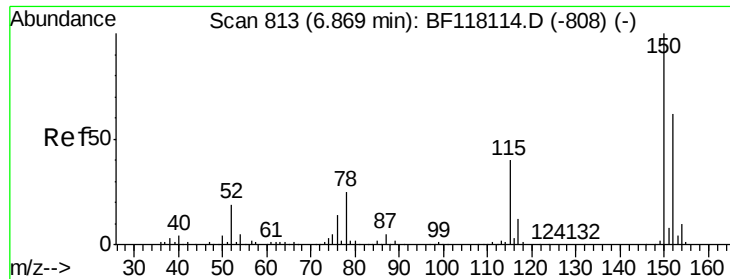
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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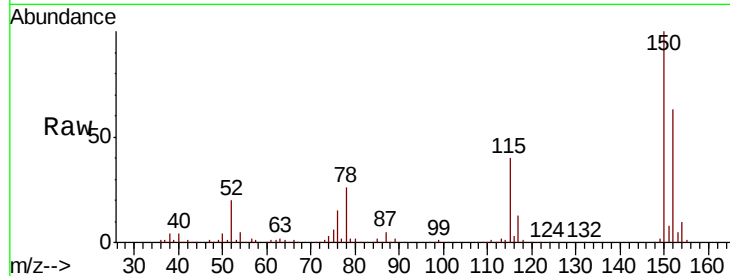


#1

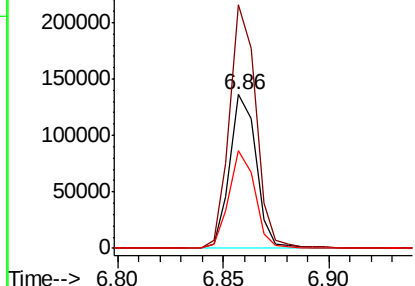
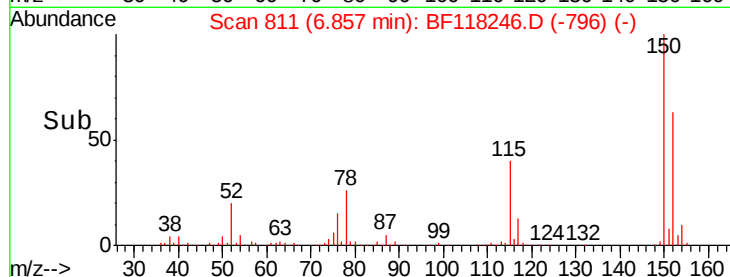
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 118198
Ion Ratio Lower Upper
152 100
150 158.4 128.3 192.5
115 63.8 51.1 76.7



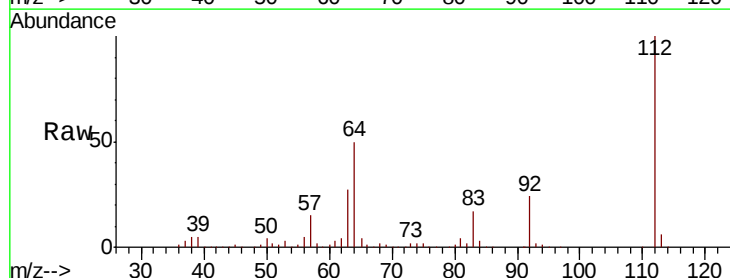
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



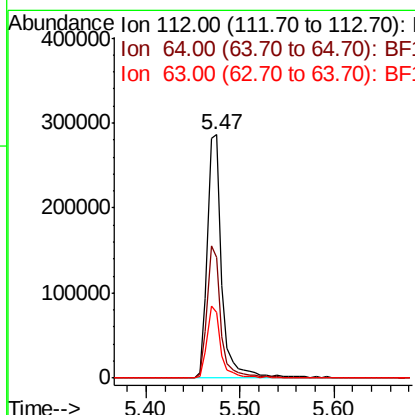
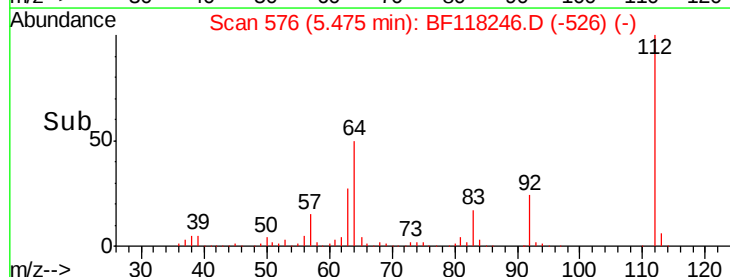
#5

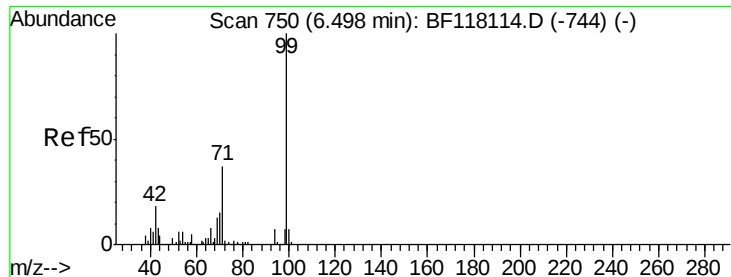
2-Fluorophenol
Concen: 46.967 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion:112 Resp: 316956
Ion Ratio Lower Upper
112 100
64 49.8 41.3 61.9
63 27.2 22.4 33.6



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: 48.729 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

ClientSampleId :

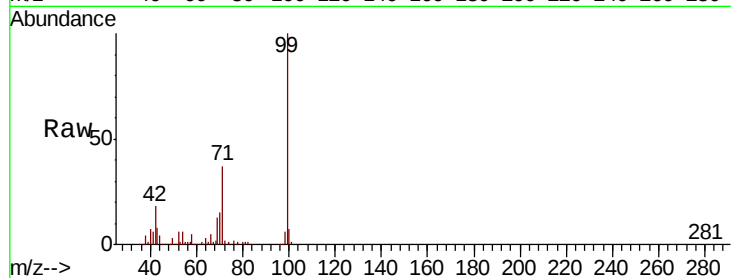
Tot Ion: 99 Resp: 397754

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

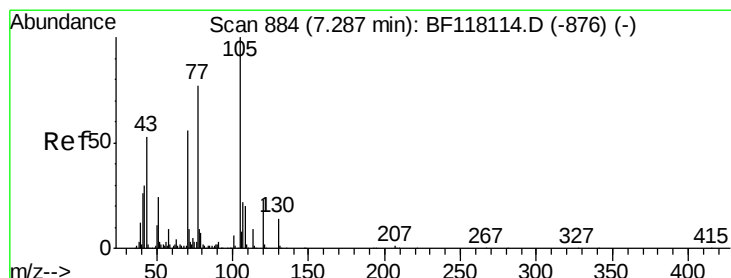
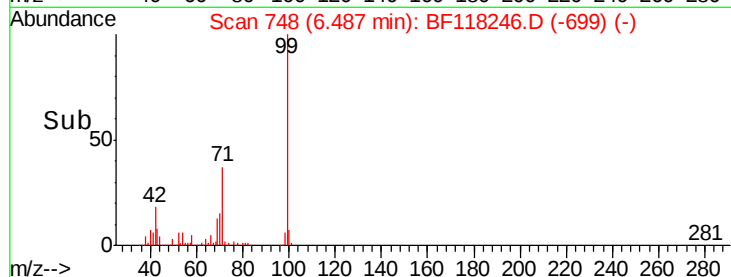
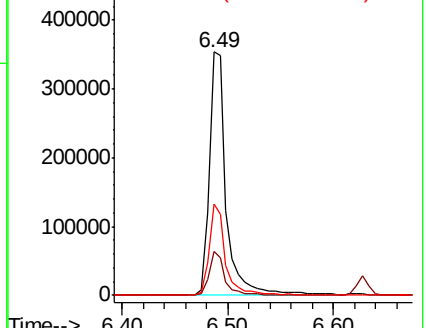
71 37.4 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.131 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Tgt Ion: 70 Resp: 30411

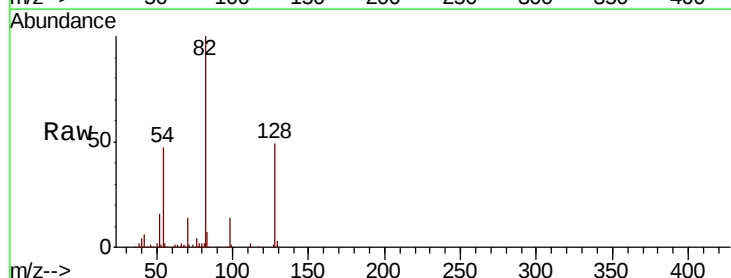
Ion Ratio Lower Upper

70 100

42 44.1 43.2 64.8

101 0.0 8.1 12.1#

130 2.6 19.8 29.8#

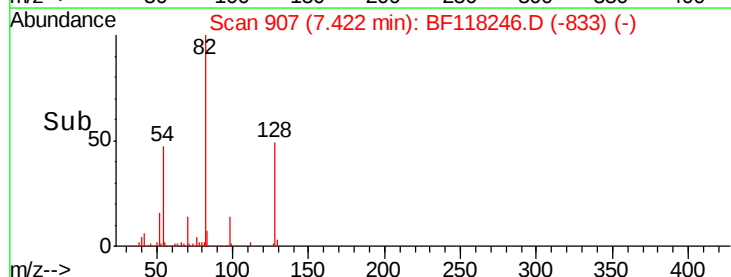
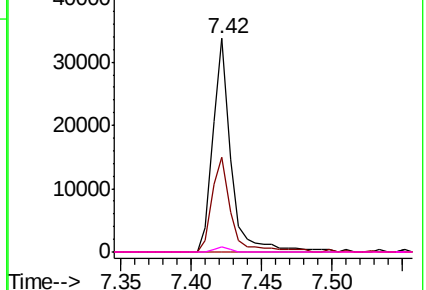


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 443127

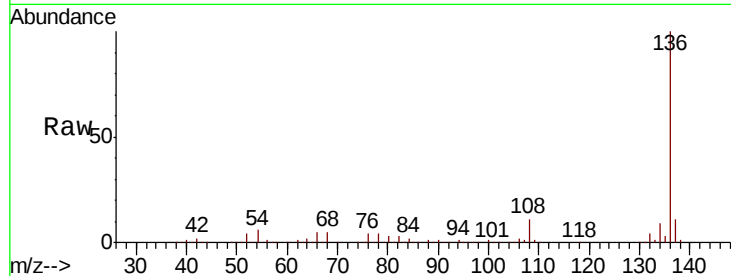
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 6.1 5.0 7.6

68 4.7 3.8 5.8

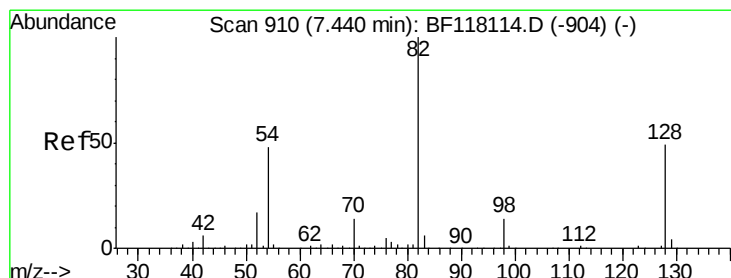
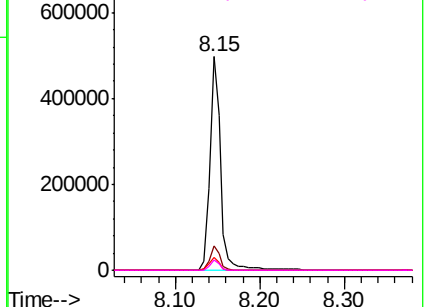
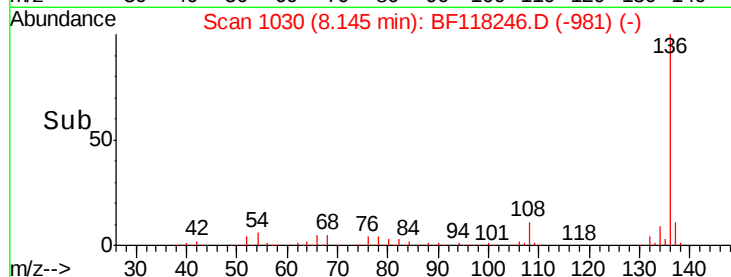


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.888 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

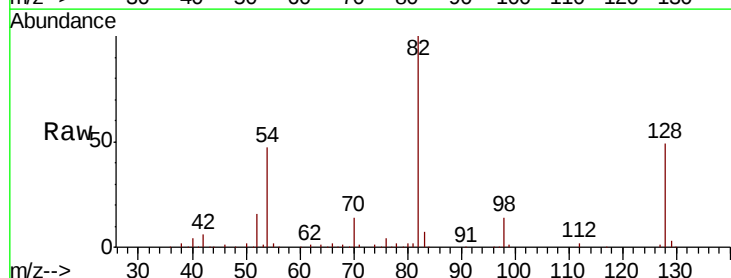
Tgt Ion: 82 Resp: 219663

Ion Ratio Lower Upper

82 100

128 48.8 39.1 58.7

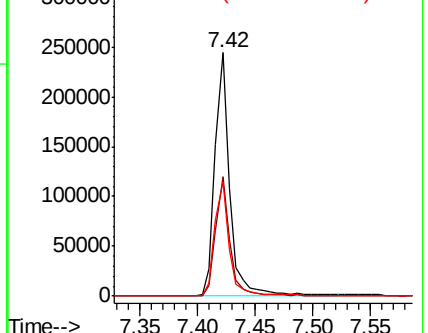
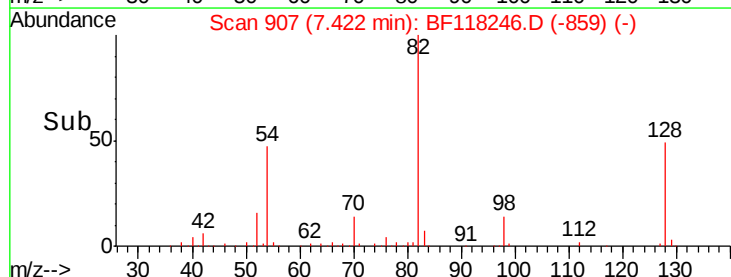
54 46.8 38.2 57.2

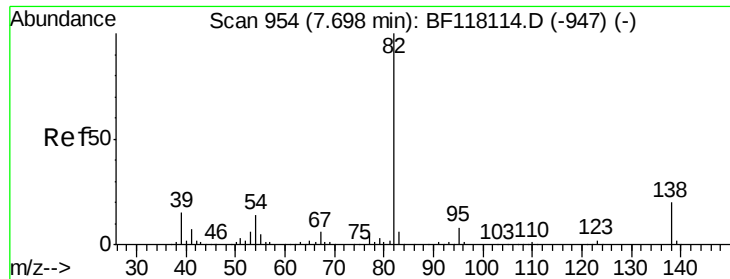


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.451 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

ClientSampleId :

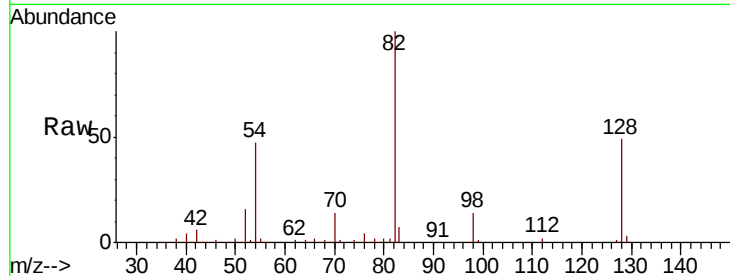
Tot Ion: 82 Resp: 219660

Ion Ratio Lower Upper

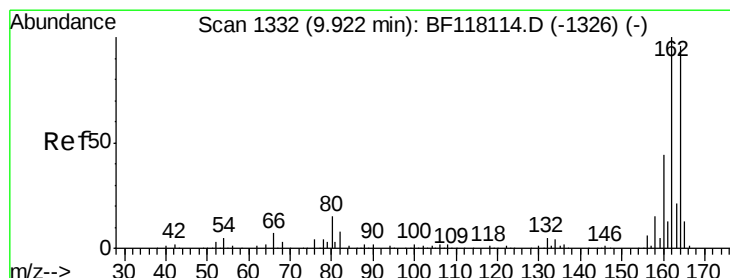
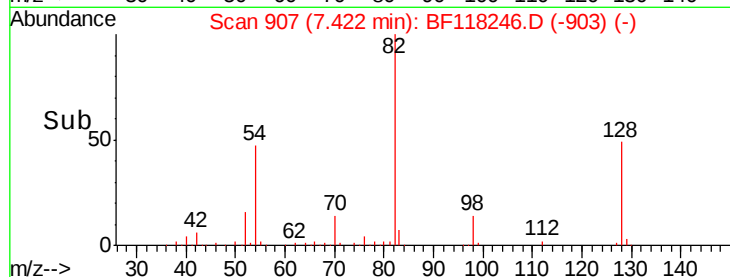
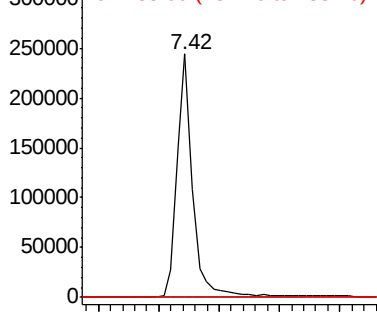
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

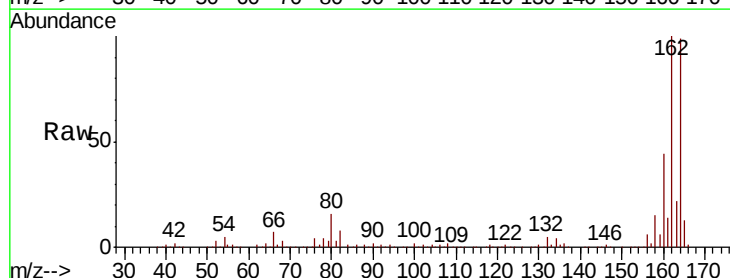
Tgt Ion: 164 Resp: 201927

Ion Ratio Lower Upper

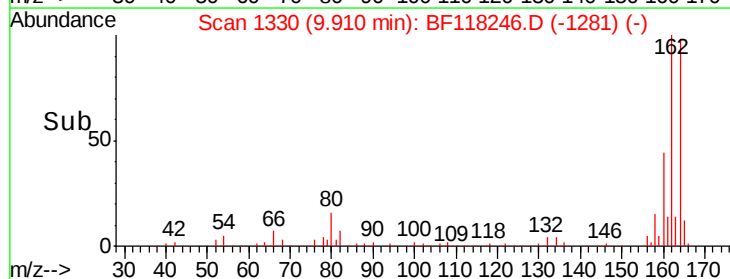
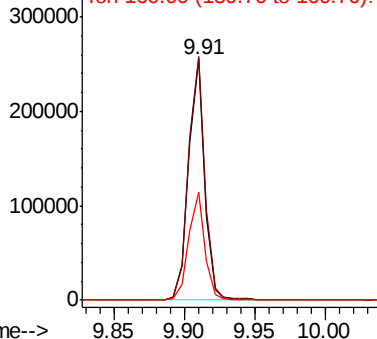
164 100

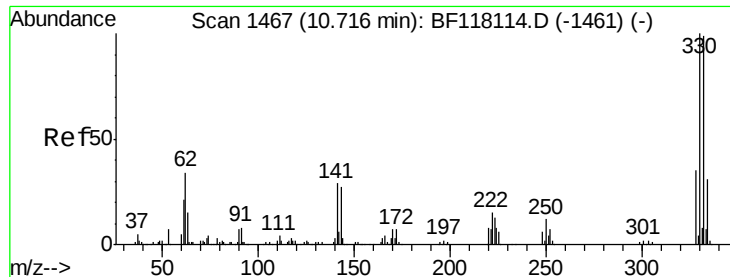
162 101.2 83.4 125.0

160 44.8 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

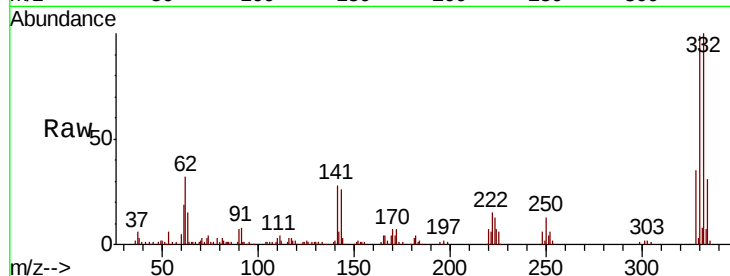




#42
 2,4,6-Tribromophenol
 Concen: 36.525 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

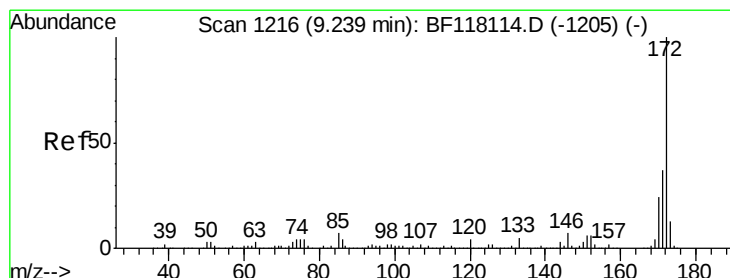
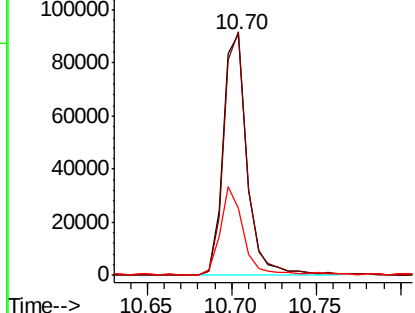
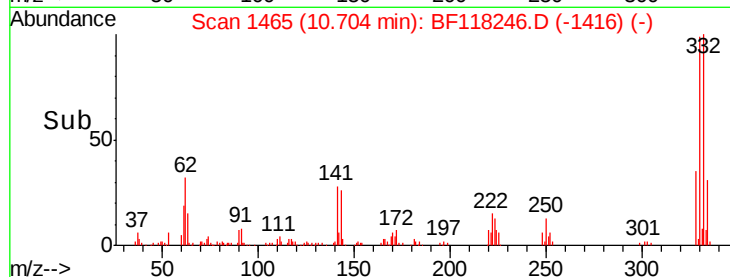
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	78.1	117.1
141	35.9	26.9	40.3



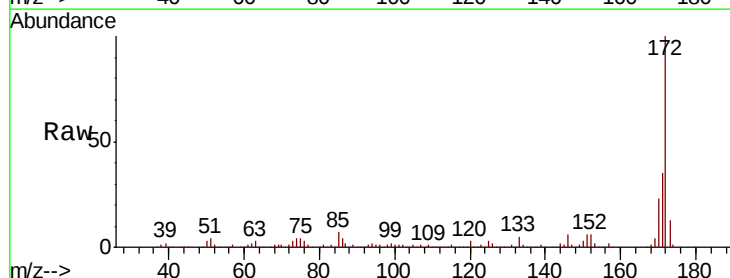
Abundance

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



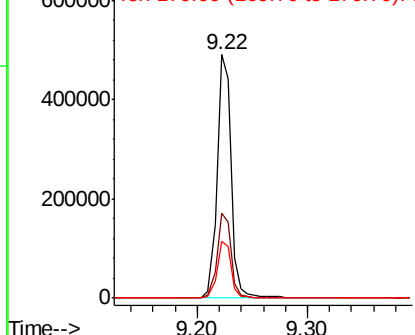
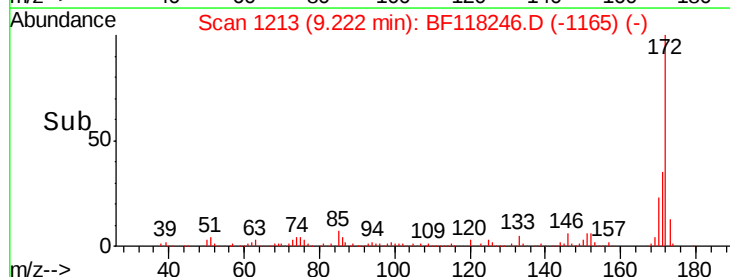
#45
 2-Fluorobiphenyl
 Concen: 32.784 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

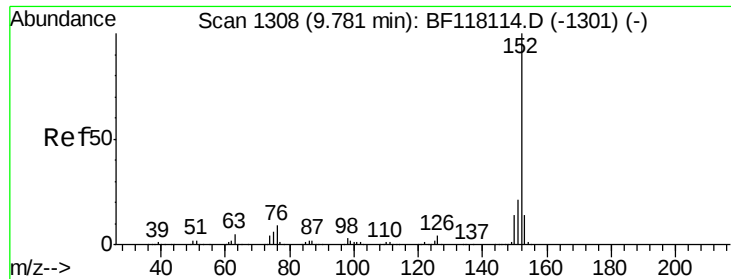
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.2	43.8
170	23.1	19.4	29.2



Abundance

Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

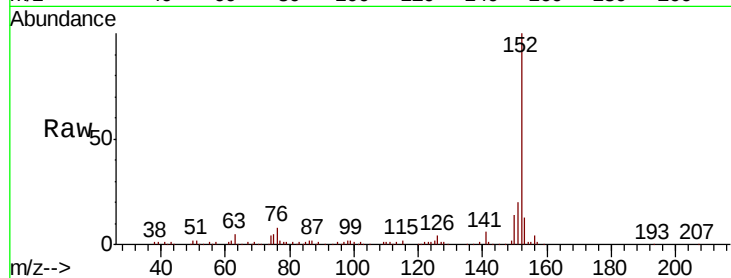




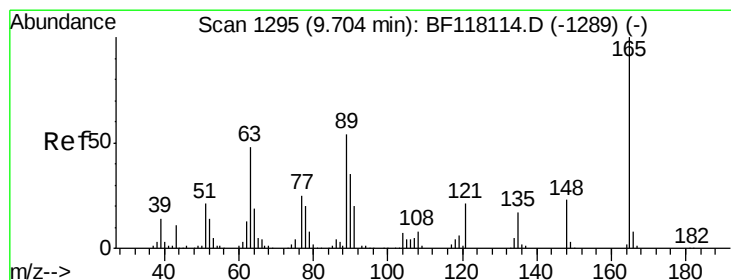
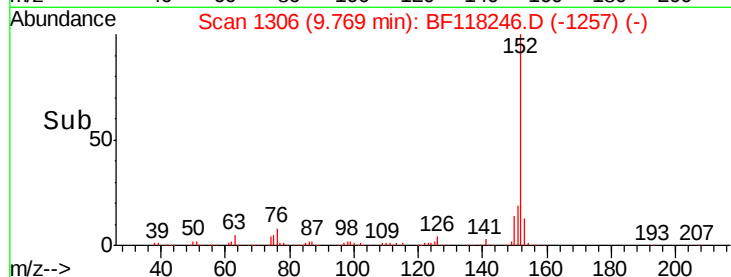
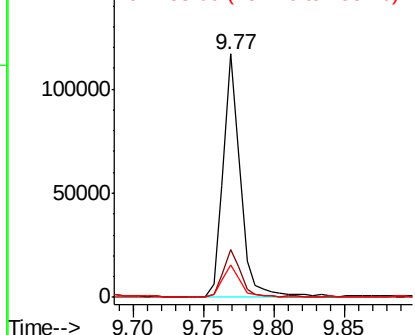
#49
Acenaphthylene
Concen: 5.358 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101248
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.2 10.8 16.2

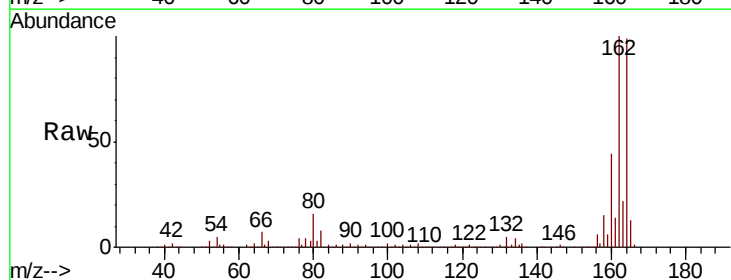


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

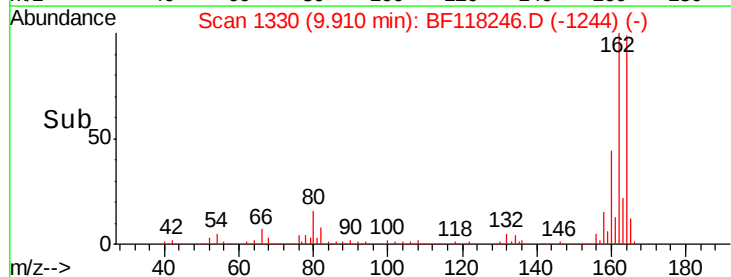
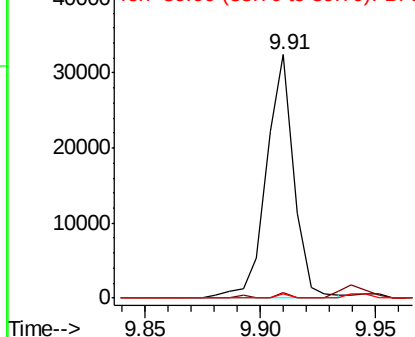


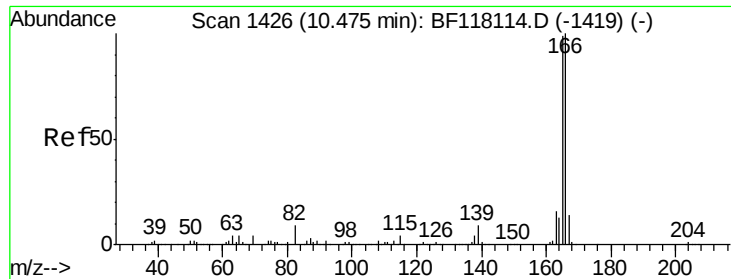
#51
2,6-Dinitrotoluene
Concen: 8.324 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion:165 Resp: 26995
Ion Ratio Lower Upper
165 100
63 2.1 41.4 62.0#
89 1.6 42.9 64.3#



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

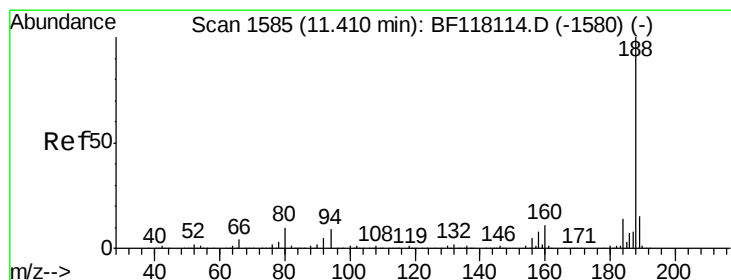
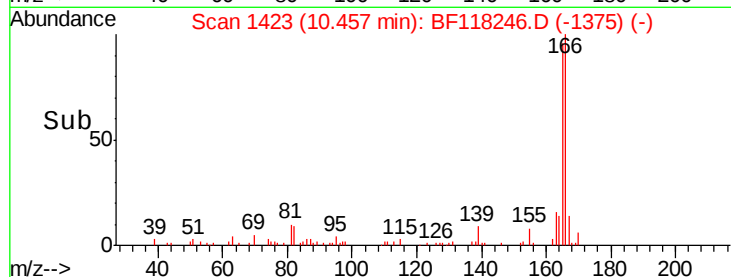
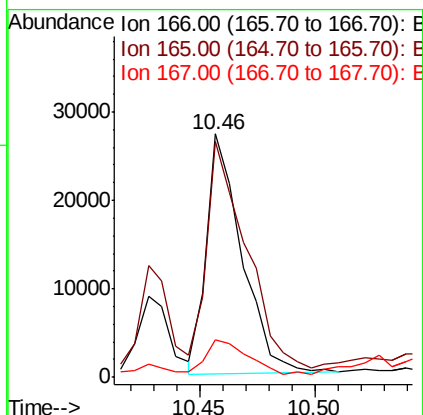
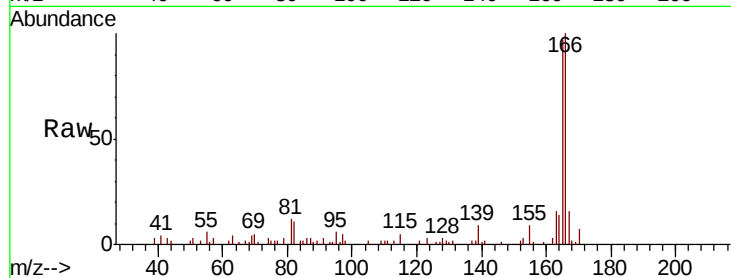




#58
 Fluorene
 Concen: 2.148 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

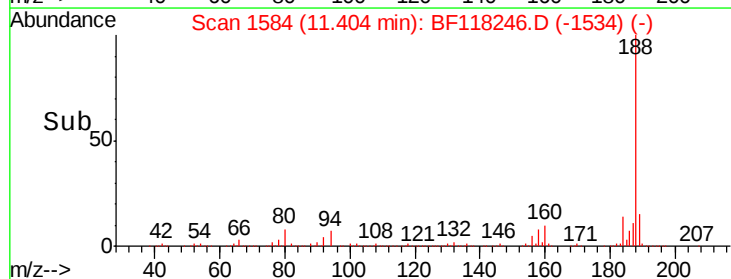
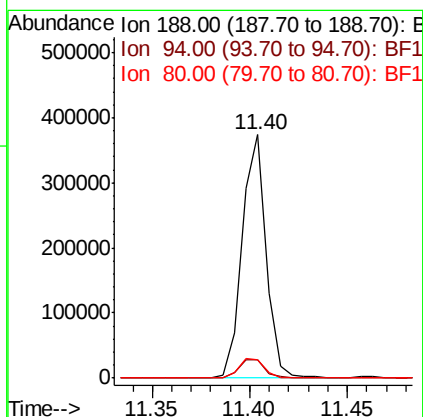
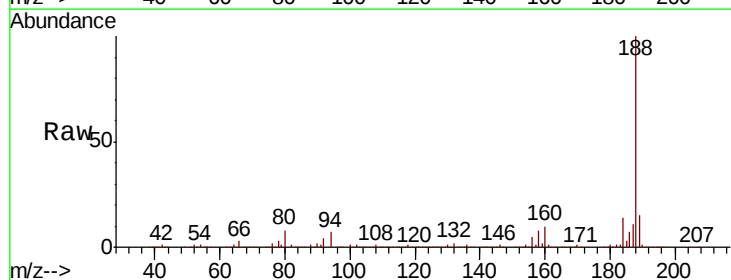
Instrument :
 BNA_F
 ClientSampleId :

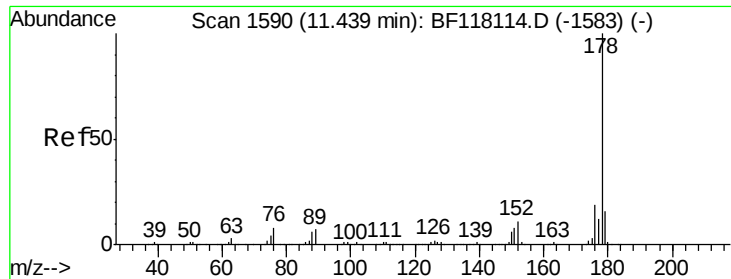
Tot Ion:166 Resp: 28848
 Ion Ratio Lower Upper
 166 100
 165 97.1 79.0 118.4
 167 15.6 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Tgt Ion:188 Resp: 317352
 Ion Ratio Lower Upper
 188 100
 94 7.3 7.1 10.7
 80 7.5 7.9 11.9#

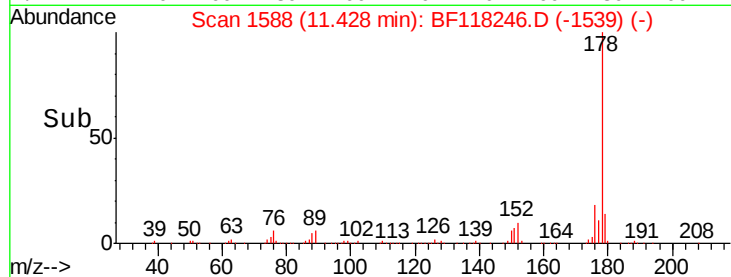
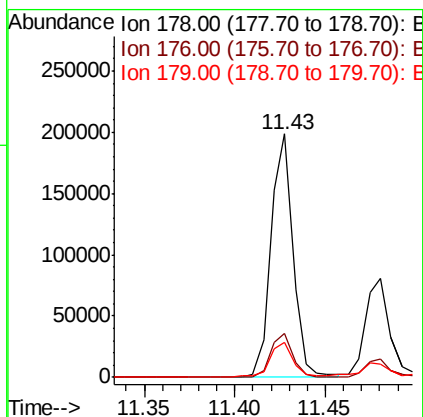
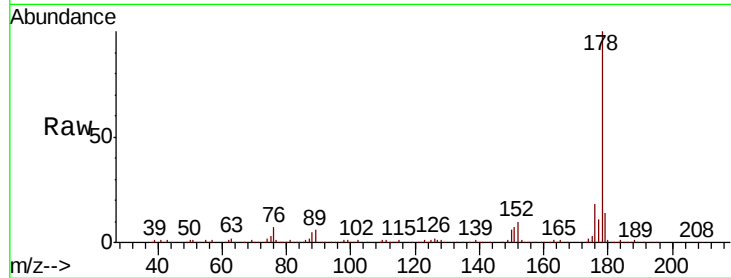




#71
Phenanthrene
Concen: 9.997 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

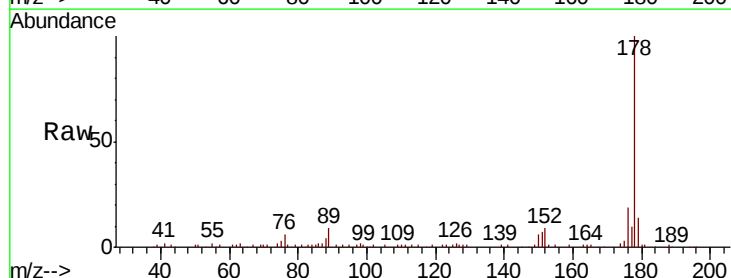
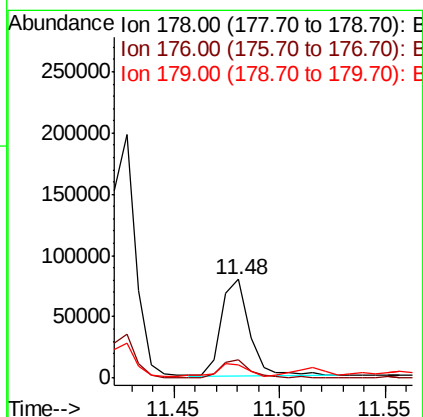
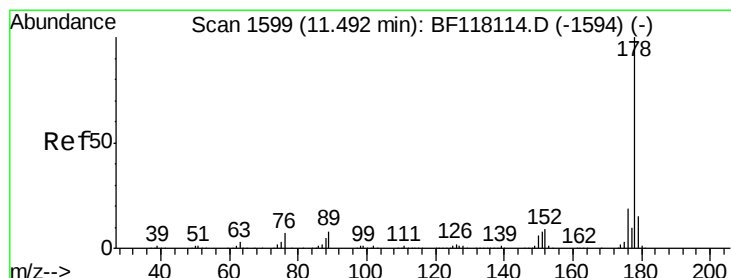
Instrument :
BNA_F
ClientSampled :

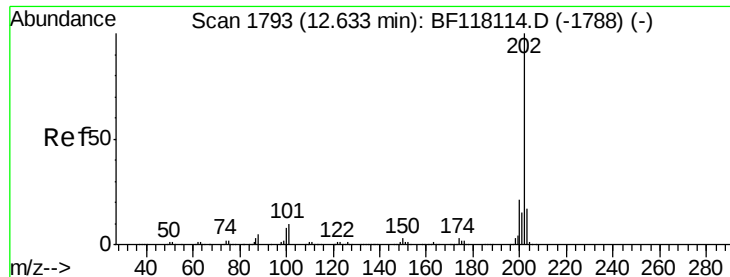
Tot Ion:178 Resp: 168644
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 14.3 12.6 18.8



#72
Anthracene
Concen: 4.464 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion:178 Resp: 75121
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 14.1 12.2 18.4





#75

Fluoranthene

Concen: 16.552 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

ClientSampled :

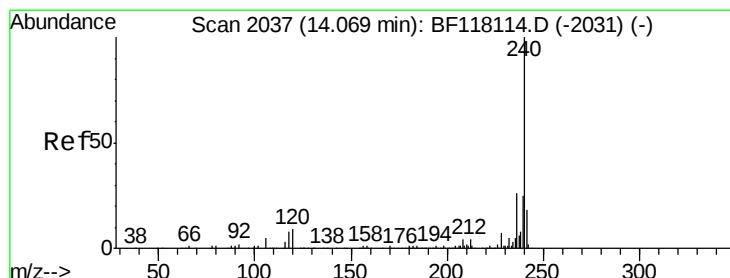
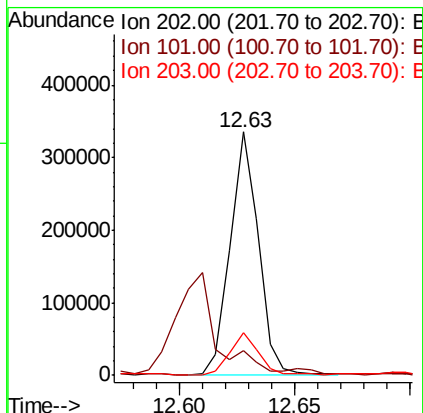
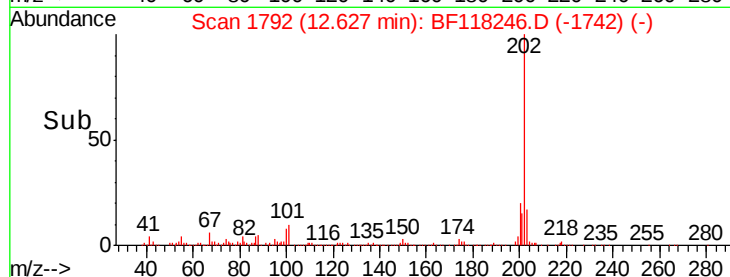
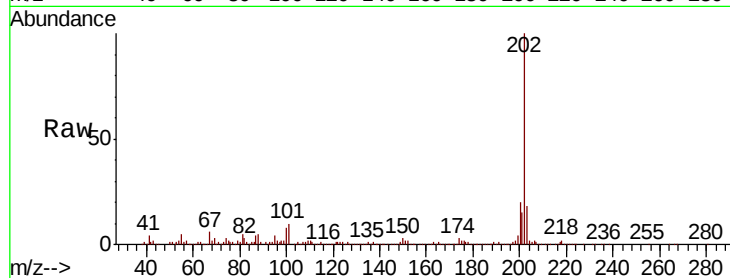
Tot Ion:202 Resp: 285496

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.4

203 17.6 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

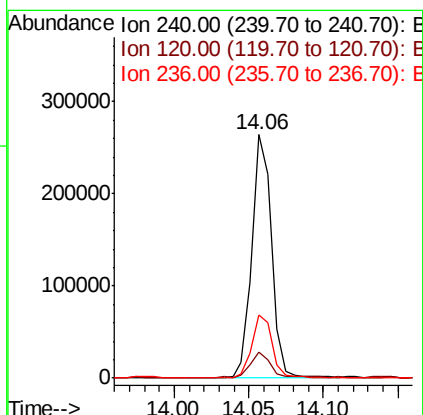
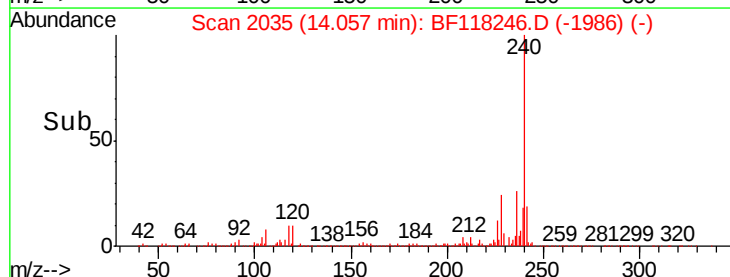
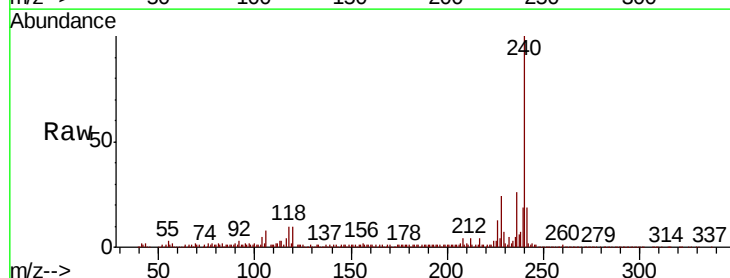
Tgt Ion:240 Resp: 237330

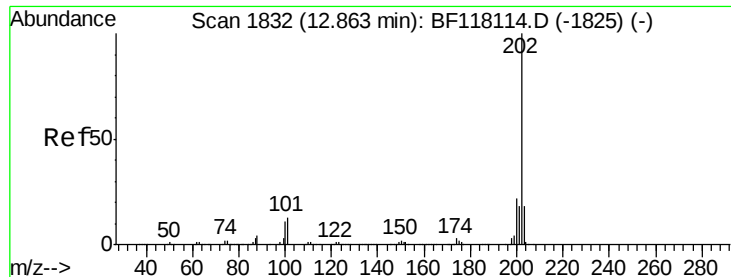
Ion Ratio Lower Upper

240 100

120 10.5 7.1 10.7

236 25.9 21.0 31.6

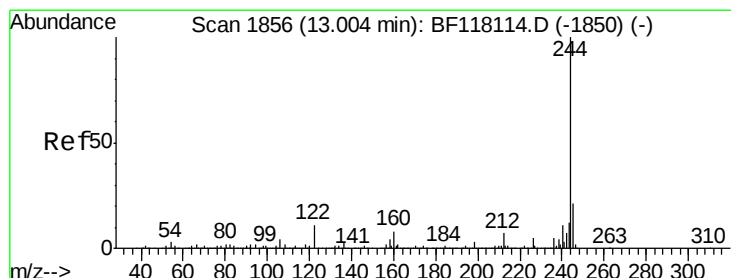
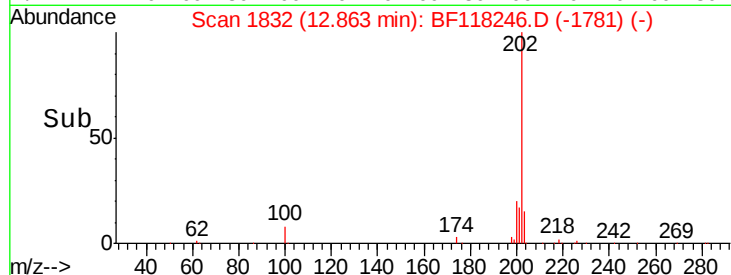
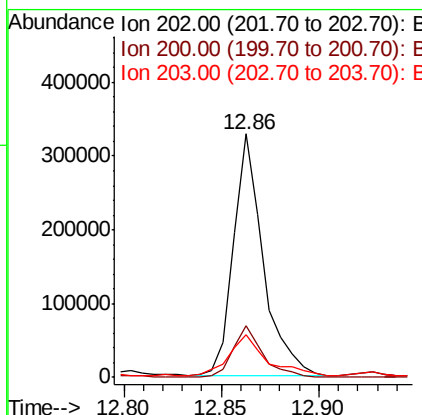
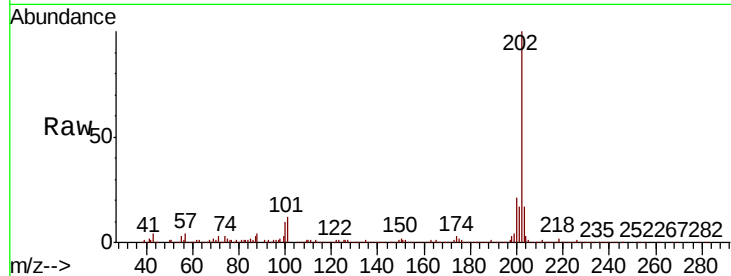




#78
Pvrene
Concen: 18.588 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

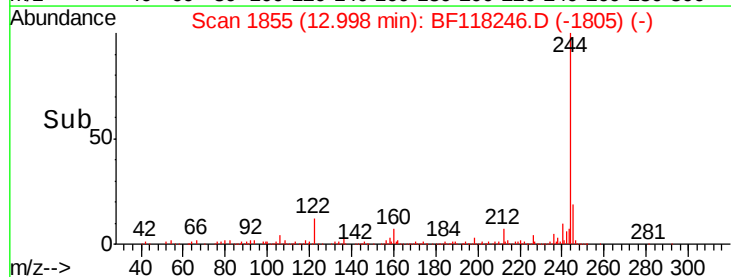
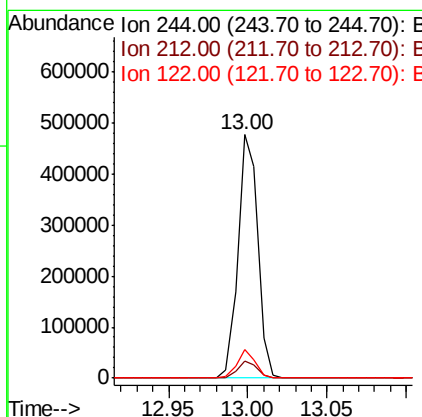
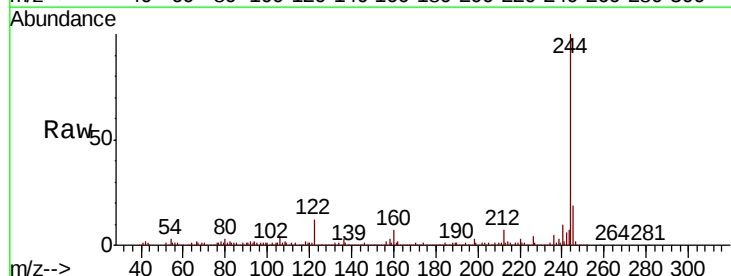
Instrument :
BNA_F
ClientSampleId :

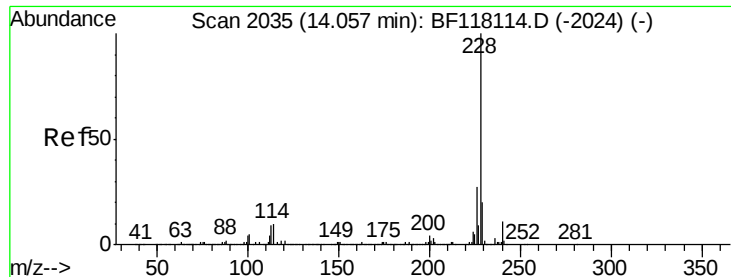
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	17.5	14.6	21.8



#79
Terphenyl-d14
Concen: 29.946 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.7	9.0	13.6

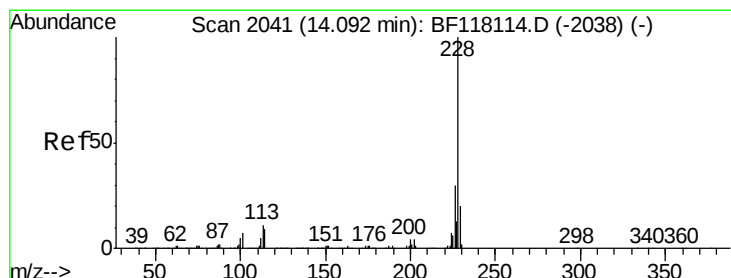
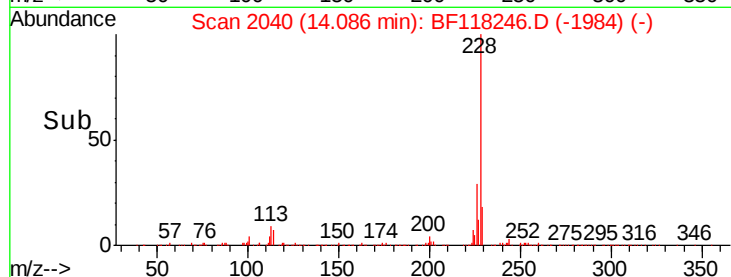
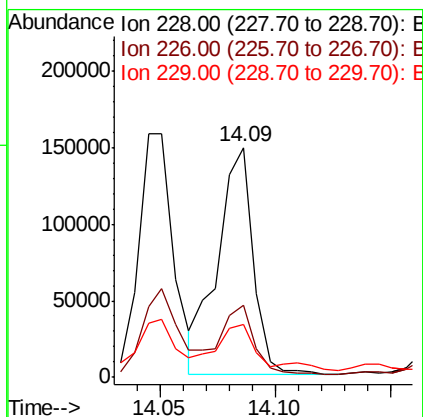
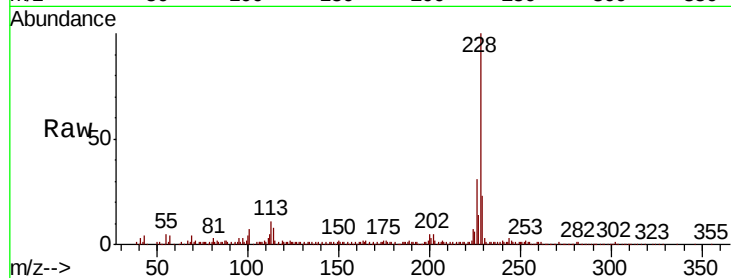




#81
Benzo(a)anthracene
Concen: 9.718 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.03 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

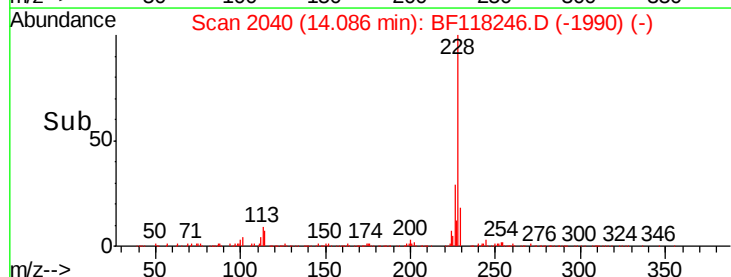
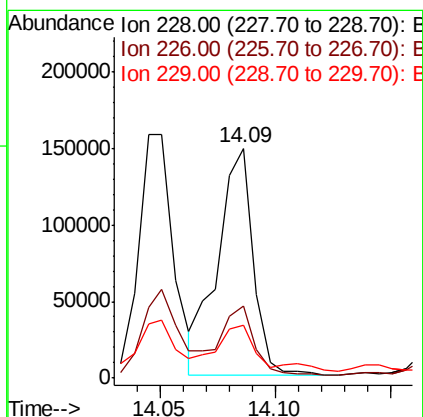
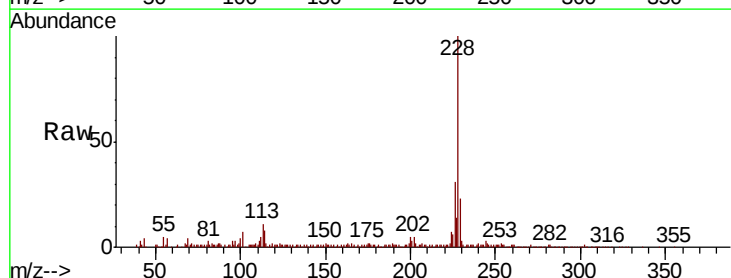
Instrument :
BNA_F
ClientSampleId :

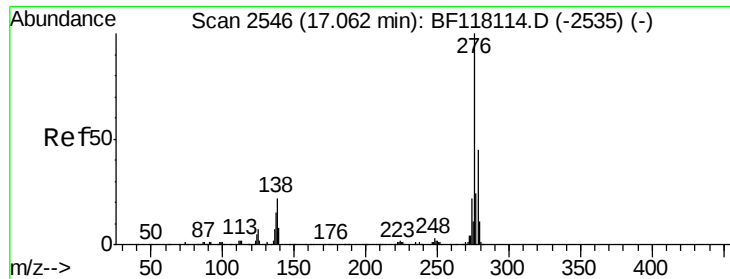
Tot Ion:228 Resp: 159484
Ion Ratio Lower Upper
228 100
226 31.3 21.8 32.8
229 23.2 15.8 23.8



#83
Chrysene
Concen: 10.174 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion:228 Resp: 159484
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.8
229 23.2 15.7 23.5

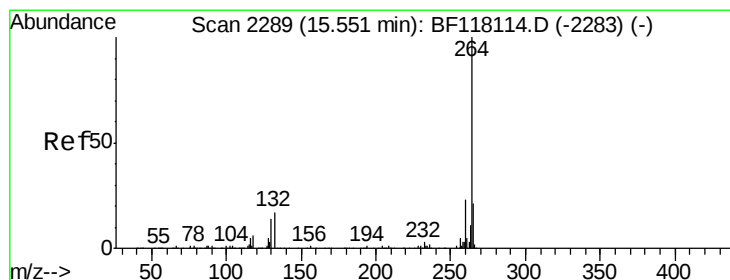
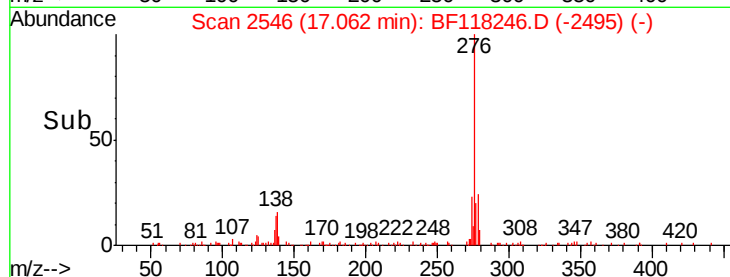
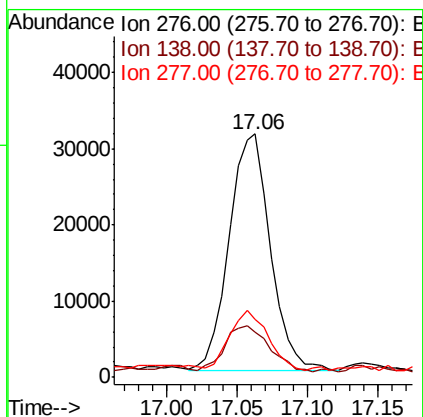
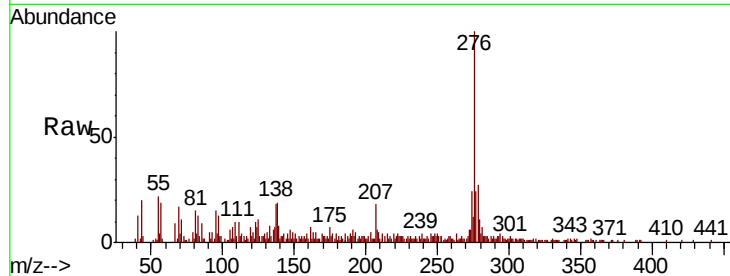




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.767 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

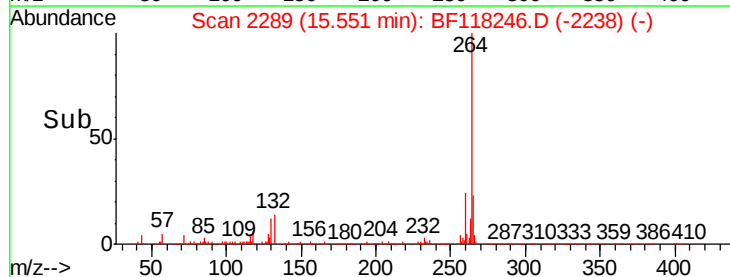
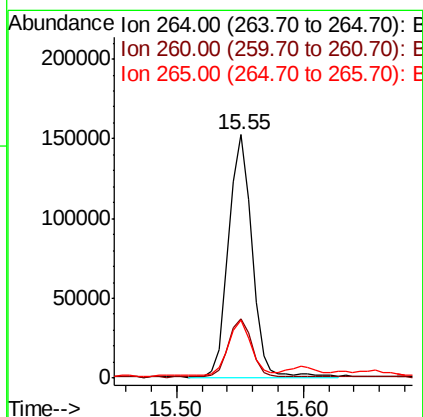
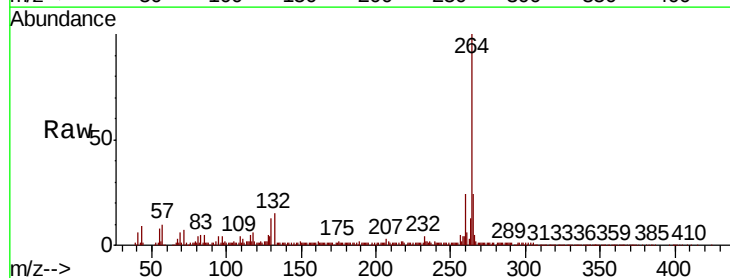
Instrument :
BNA_F
ClientSampleId :

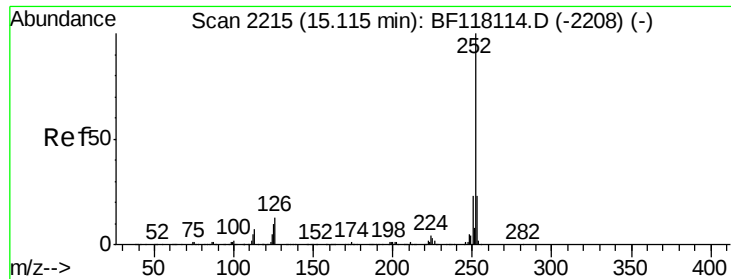
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.9	28.3
277	23.5	20.4	30.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	28.0
265	23.8	16.8	25.2

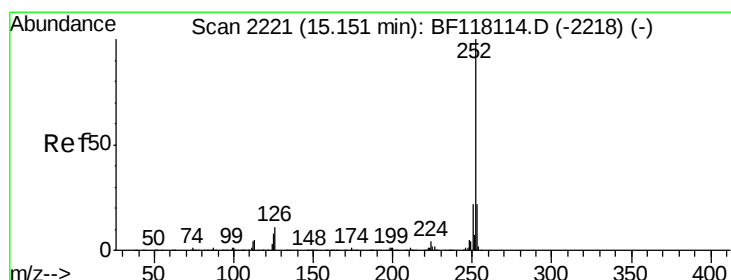
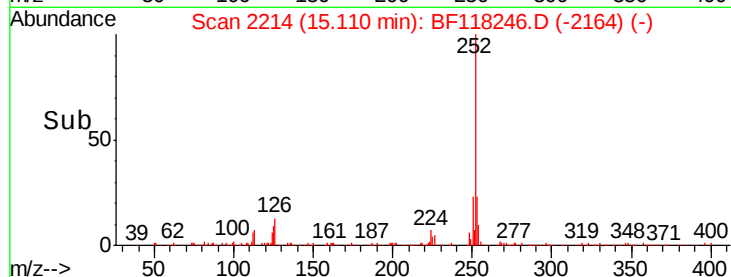
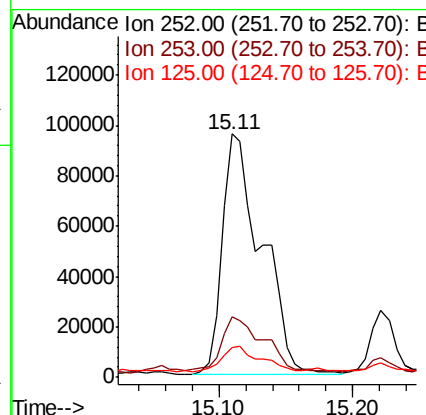
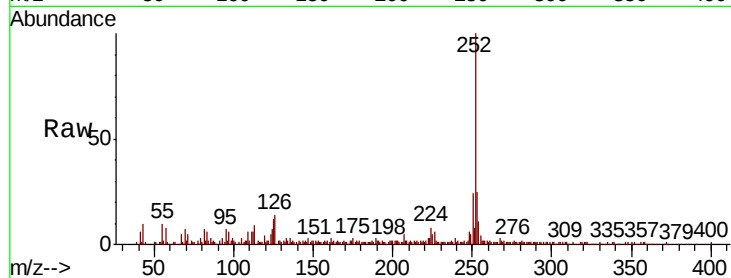




#88
Benzo(b)fluoranthene
Concen: 15.210 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

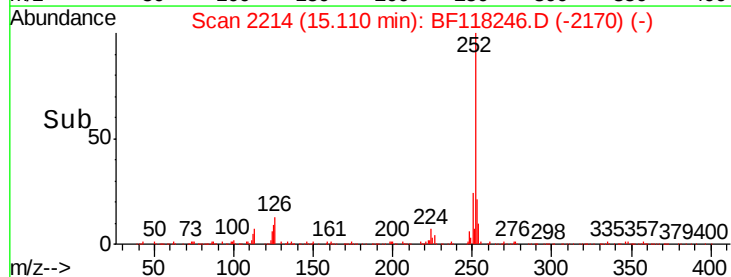
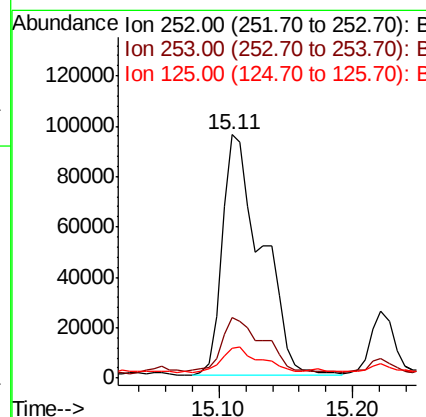
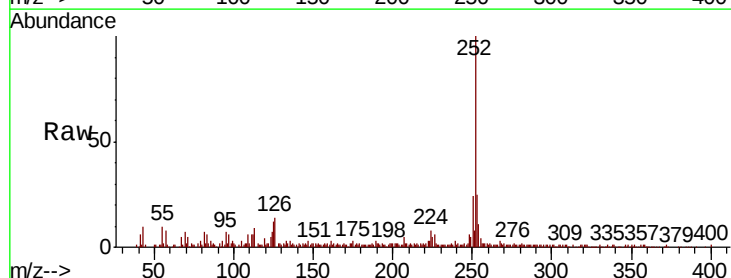
Instrument :
BNA_F
ClientSampleId :

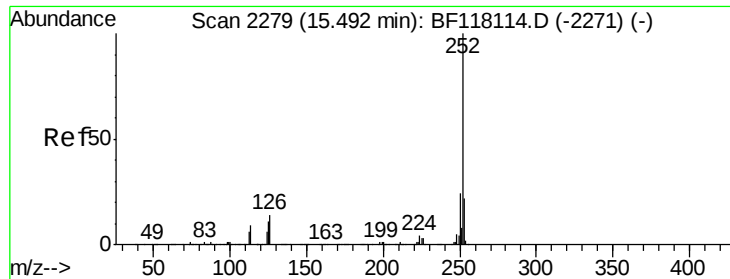
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	12.3	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 15.833 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	12.3	6.7	10.1

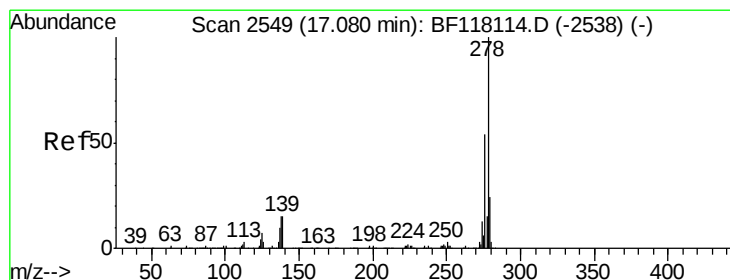
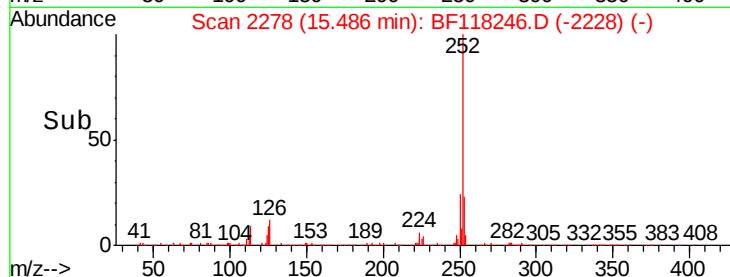
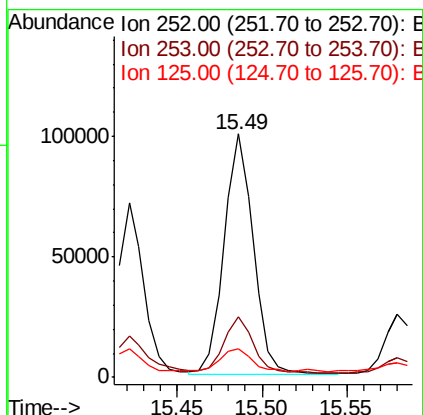
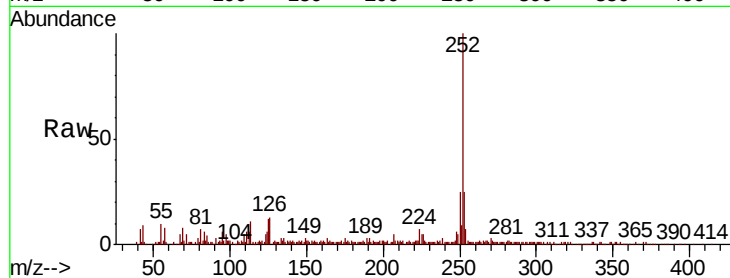




#90
Benzo(a)pyrene
Concen: 10.563 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

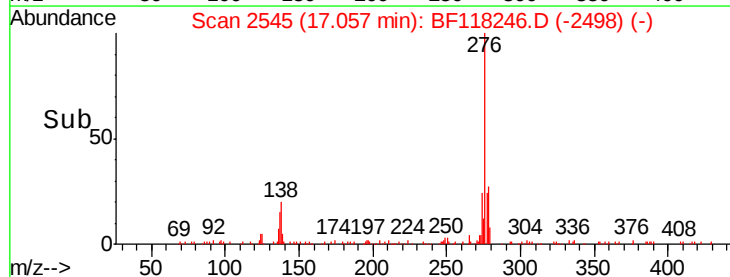
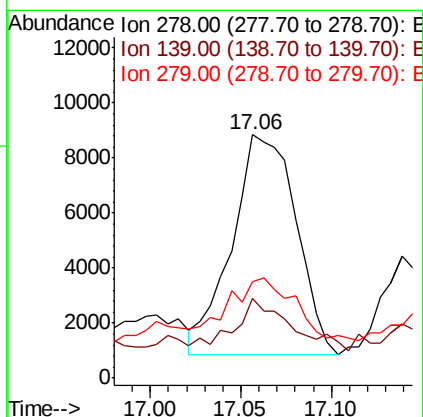
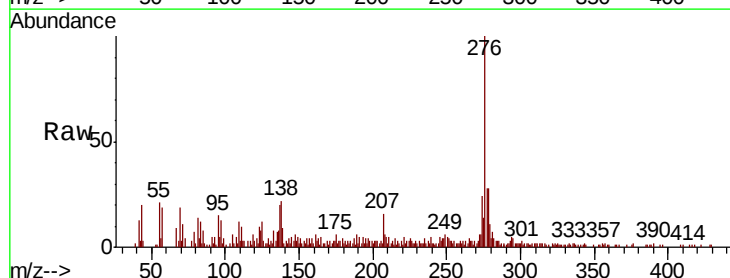
Instrument :
BNA_F
ClientSampled :

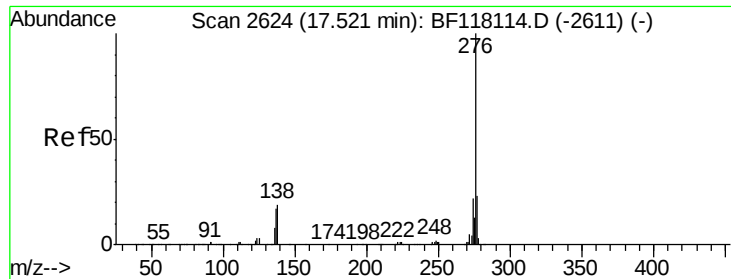
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	11.5	9.1	13.7



#91
Dibenzo(a,h)anthracene
Concen: 2.013 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.9	11.7	17.5#
279	39.8	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 7.204 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.2	27.4
138	23.5	15.5	23.3

