

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118409.D
 Acq On : 31 Dec 2019 17:02
 Operator : JU
 Sample : K6465-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:34:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

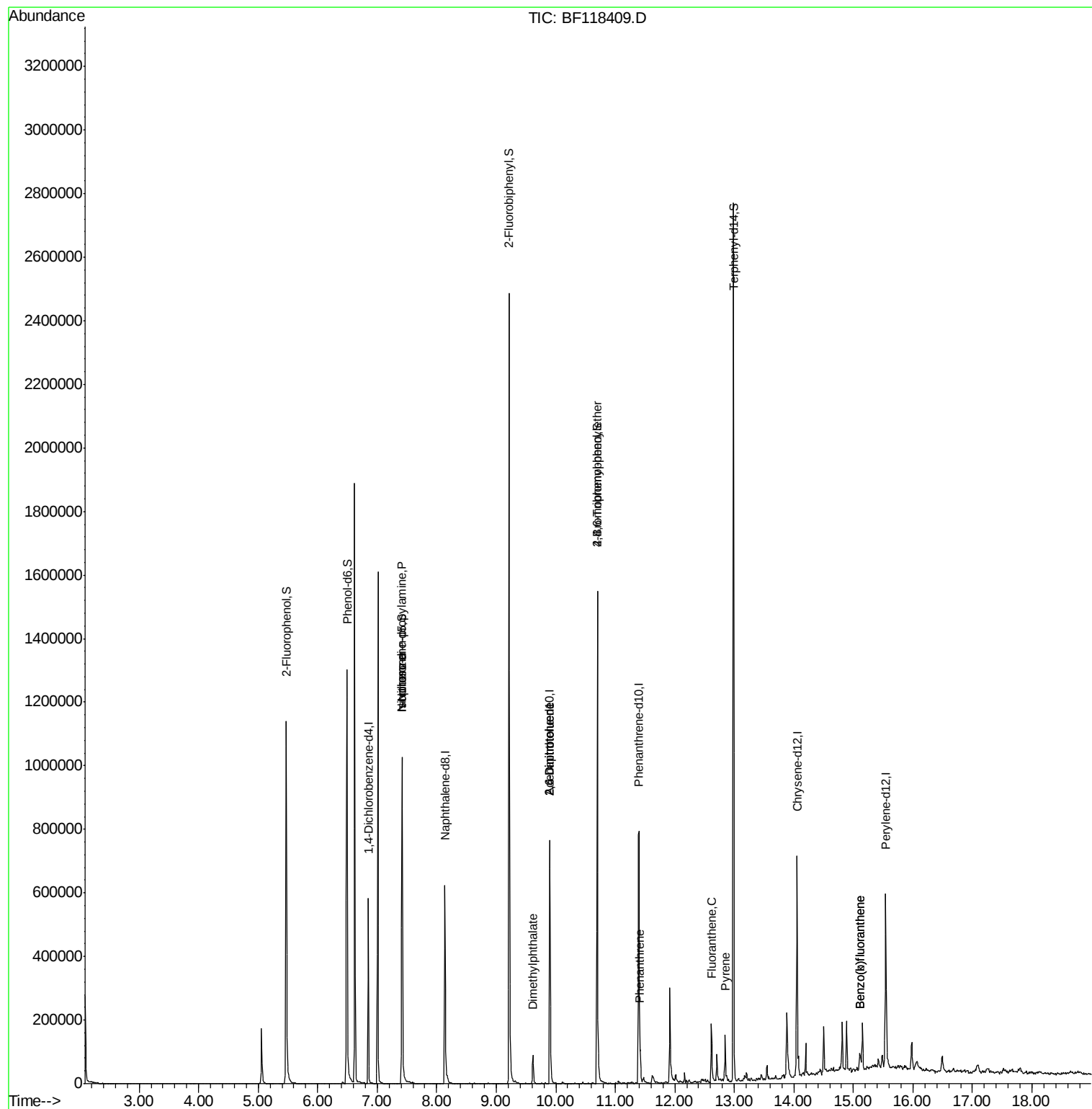
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	79532	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	322712	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	181904	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	337050	20.00	ng	0.00
76) Chrysene-d12	14.05	240	216200	20.00	ng	0.00
87) Perylene-d12	15.54	264	228934	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	341294	73.25	ng	0.01
7) Phenol-d6	6.49	99	476424	82.43	ng	0.00
23) Nitrobenzene-d5	7.42	82	368182	65.25	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	217295	96.73	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	763114	64.04	ng	0.00
79) Terphenyl-d14	12.99	244	896610	68.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	50029	14.051	ng	# 80
25) Isophorone	7.42	82	368216	37.446	ng	# 62
50) Dimethylphthalate	9.62	163	47264	3.461	ng	99
51) 2,6-Dinitrotoluene	9.90	165	22935	7.791	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	22935	5.831	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	13464	3.413	ng	# 1
71) Phenanthrene	11.42	178	39288	2.138	ng	98
75) Fluoranthene	12.62	202	64604	3.484	ng	98
78) Pyrene	12.85	202	57054	3.232	ng	99
88) Benzo(b)fluoranthene	15.11	252	38009	2.501	ng	# 92
89) Benzo(k)fluoranthene	15.11	252	38009	2.605	ng	# 93

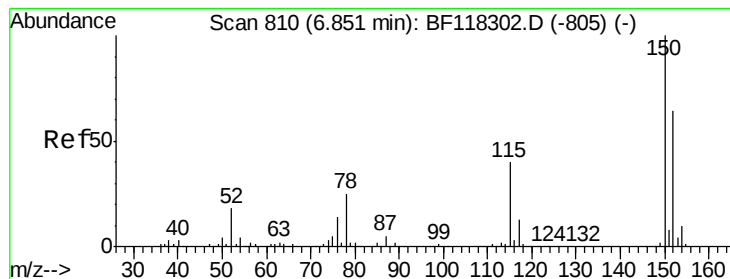
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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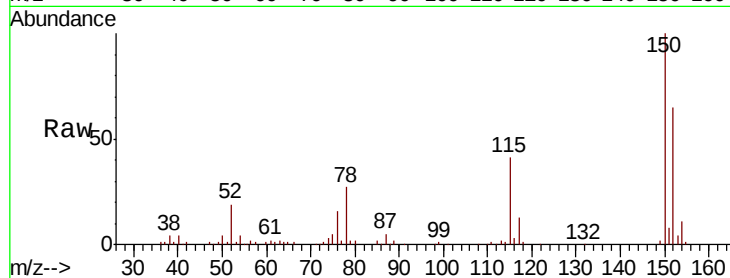


#1

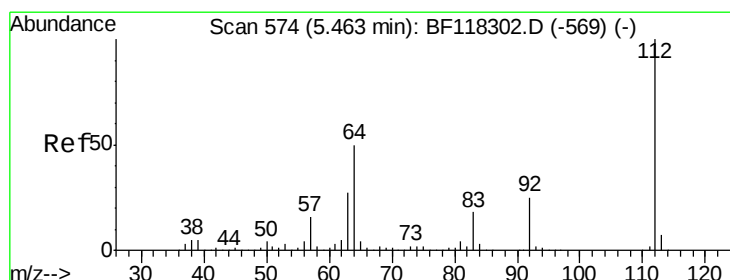
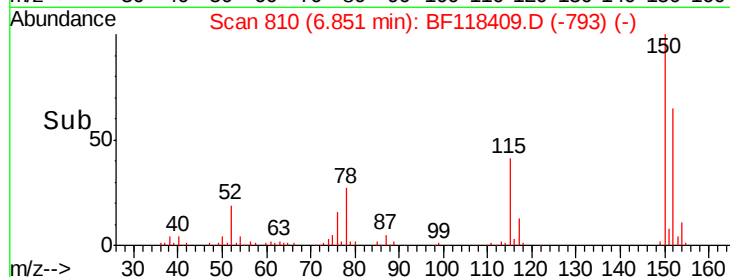
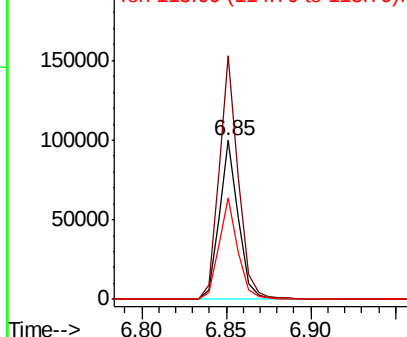
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79532
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.2
115 63.5 50.2 75.4



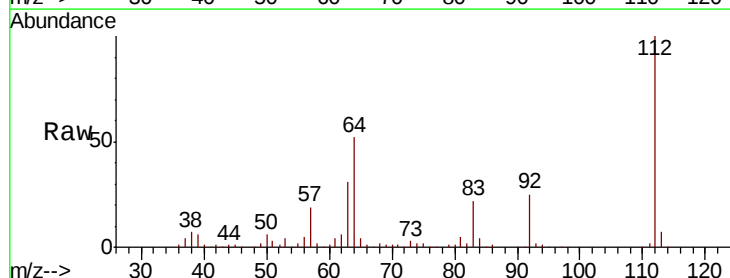
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



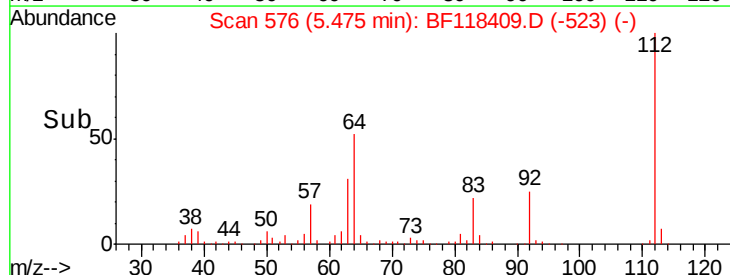
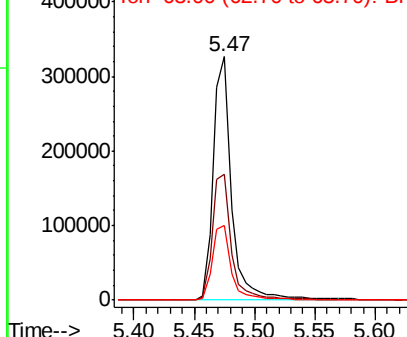
#5

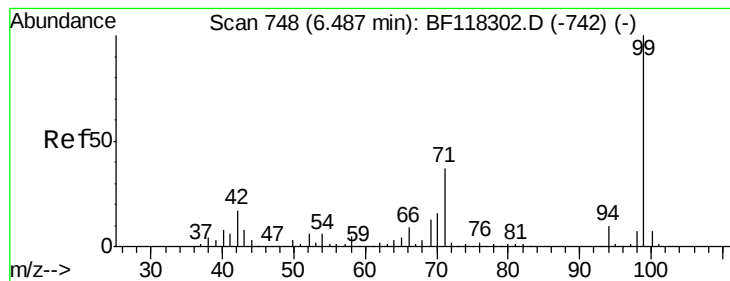
2-Fluorophenol
Concen: 73.252 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Tgt Ion:112 Resp: 341294
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 30.8 21.7 32.5



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: 82.428 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

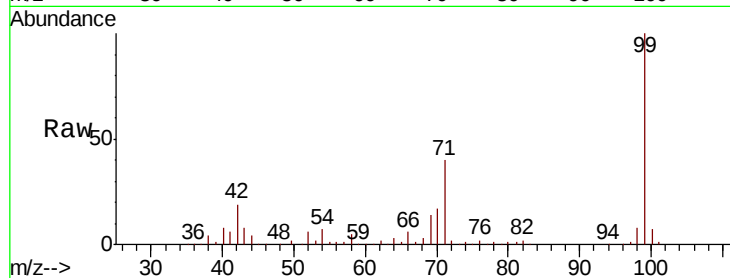
Tot Ion: 99 Resp: 476424

Ion Ratio Lower Upper

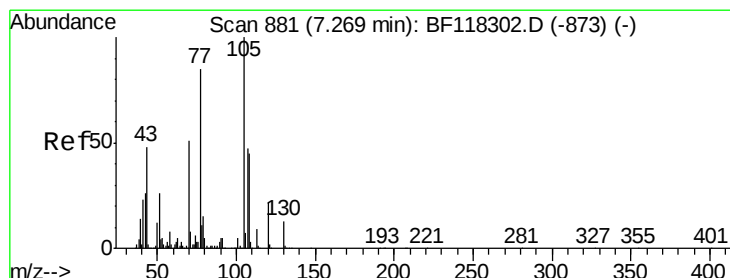
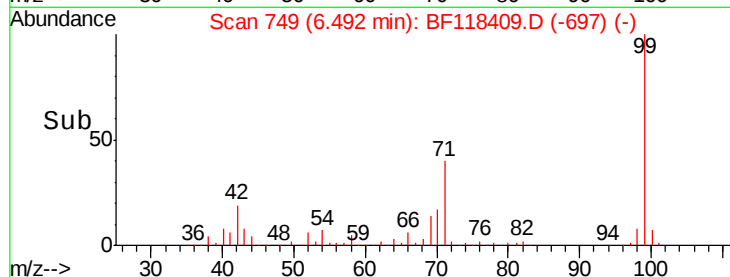
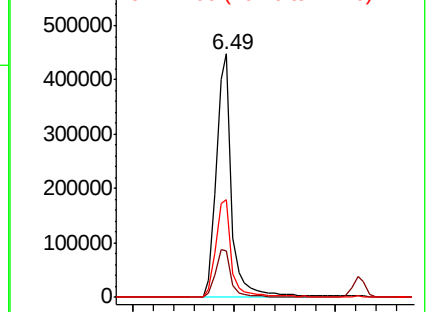
99 100

42 19.0 13.5 20.3

71 40.0 29.4 44.2



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: 14.051 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

Tgt Ion: 70 Resp: 50029

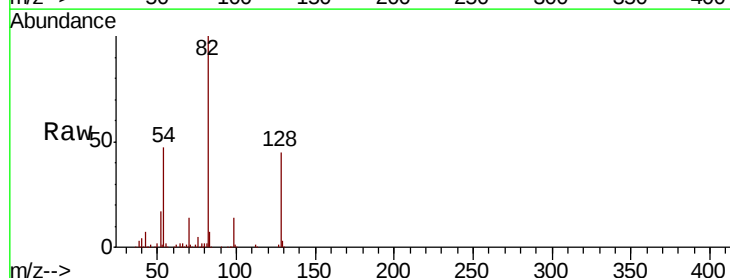
Ion Ratio Lower Upper

70 100

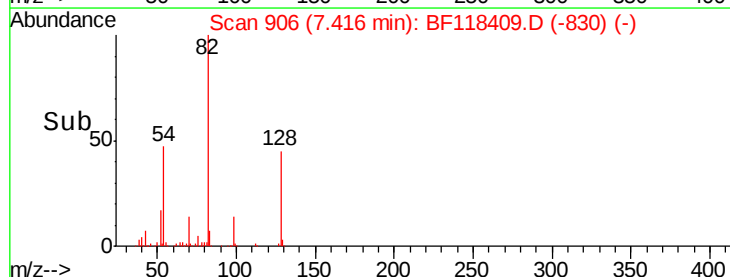
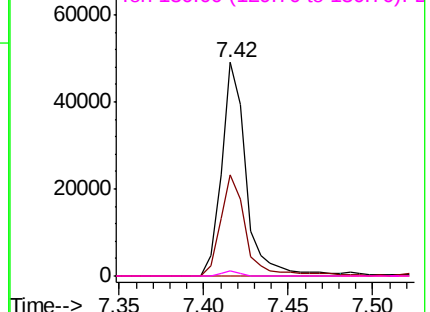
42 47.1 41.1 61.7

101 0.0 8.3 12.5#

130 2.2 20.1 30.1#



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

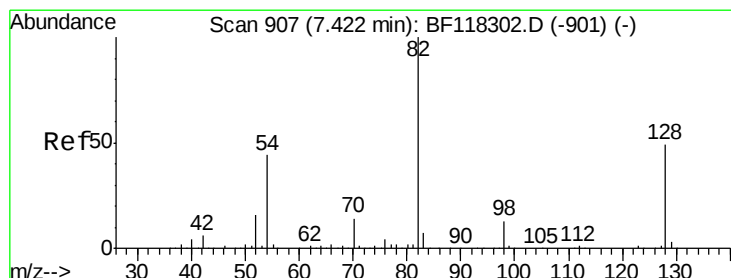
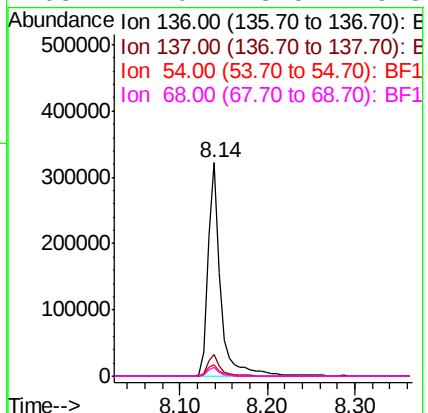
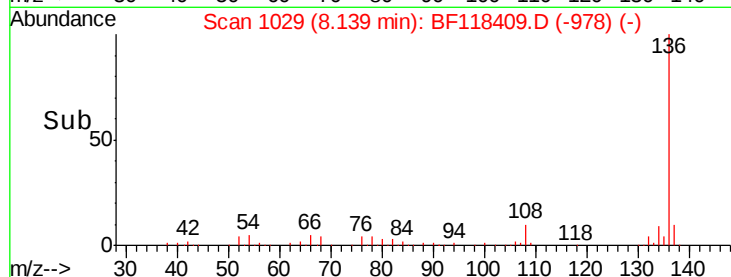
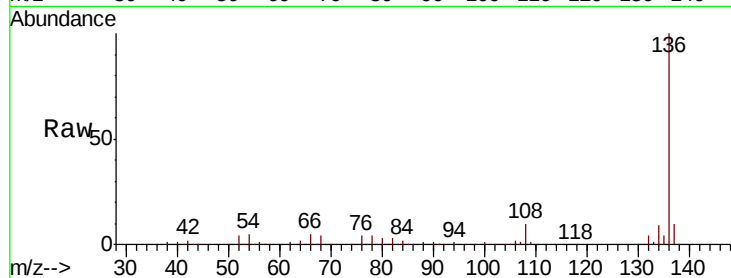




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

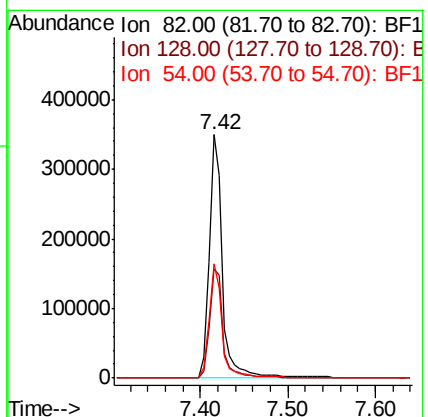
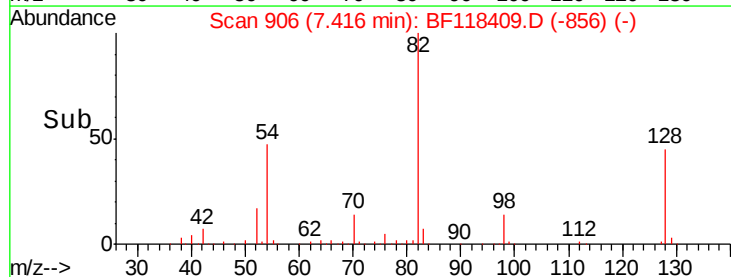
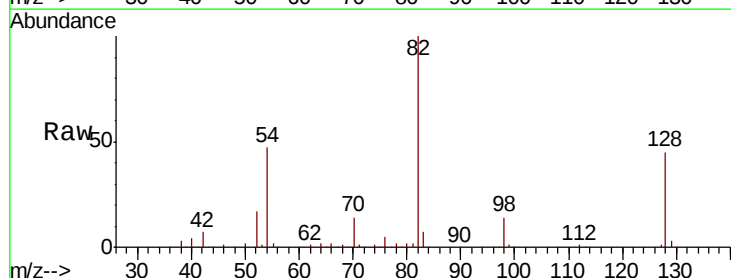
Instrument :
BNA_F
ClientSampleId :

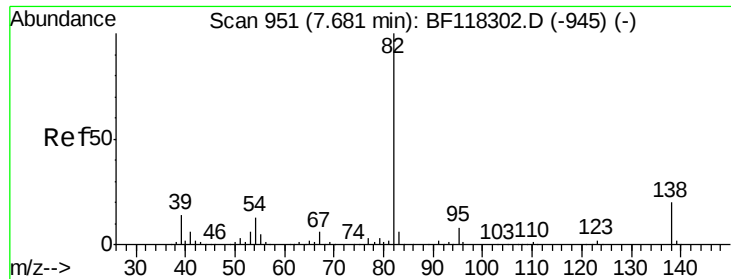
Tot Ion:136	Resp:	322712
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.9 13.3
54	5.4	4.2 6.4
68	4.0	3.5 5.3



#23
Nitrobenzene-d5
Concen: 65.254 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Tgt Ion: 82	Resp:	368182
Ion	Ratio	Lower Upper
82	100	
128	44.9	39.6 59.4
54	47.2	34.9 52.3





#25

Isophorone

Concen: 37.446 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

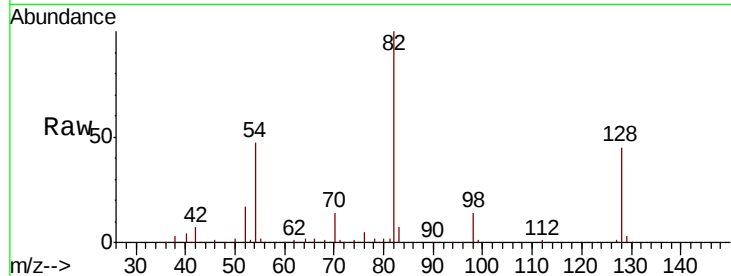
Tot Ion: 82 Resp: 368216

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

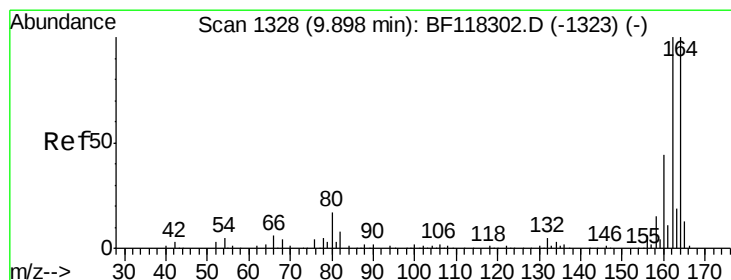
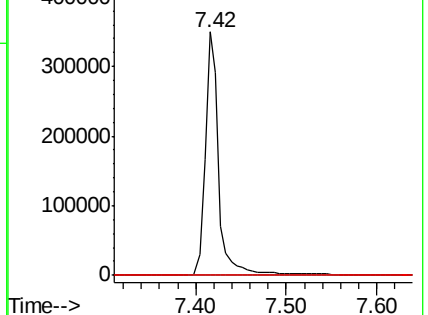
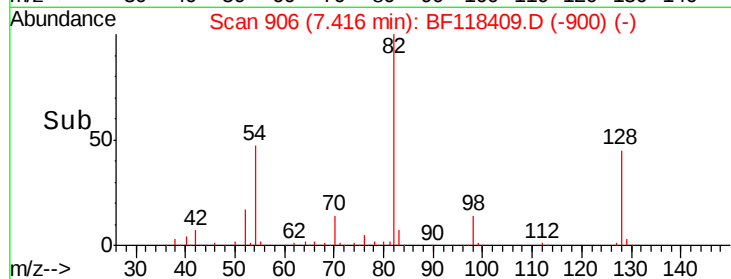
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

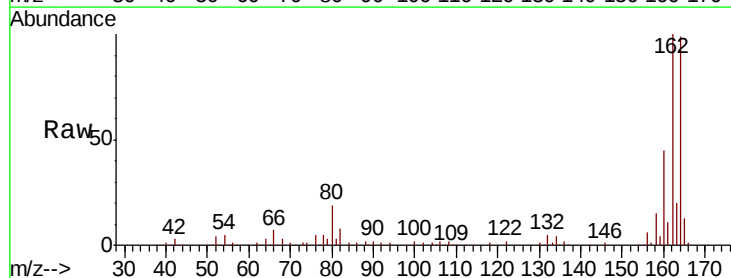
Tgt Ion: 164 Resp: 181904

Ion Ratio Lower Upper

164 100

162 101.4 80.0 120.0

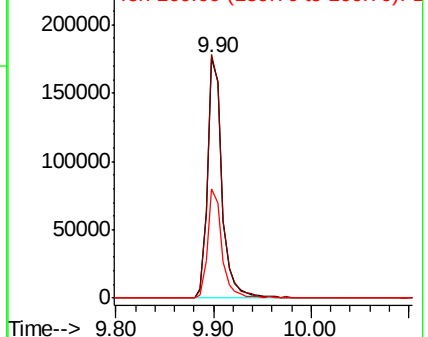
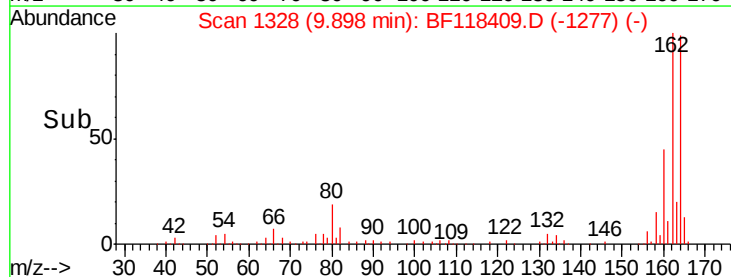
160 45.5 34.8 52.2

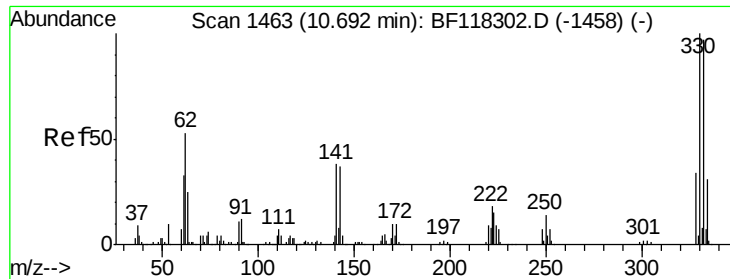


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

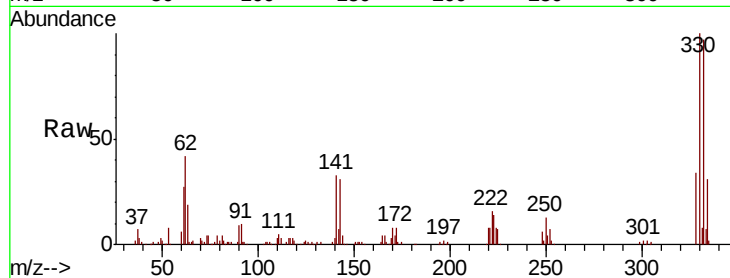




#42
 2,4,6-Tribromophenol
 Concen: 96.731 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118409.D
 Acq: 31 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	34.9	26.0	39.0

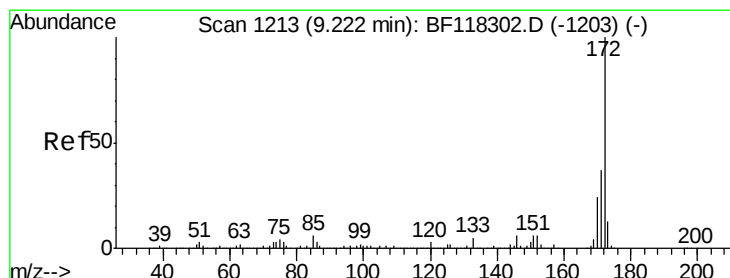
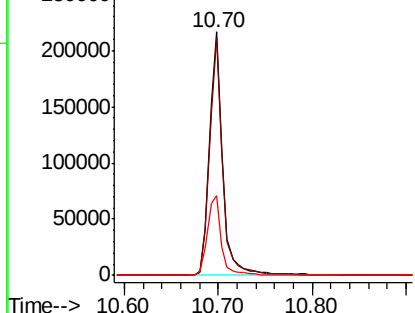
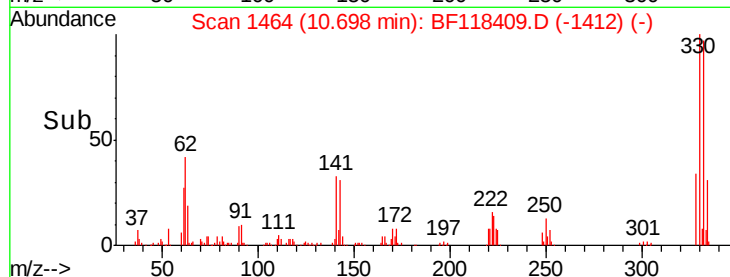


Abundance

Ion 329.80 (329.50 to 330.50): E

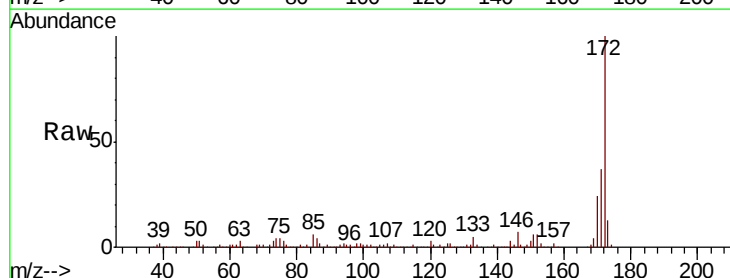
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.038 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118409.D
 Acq: 31 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	23.8	19.2	28.8

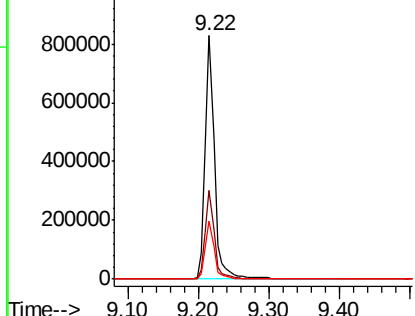
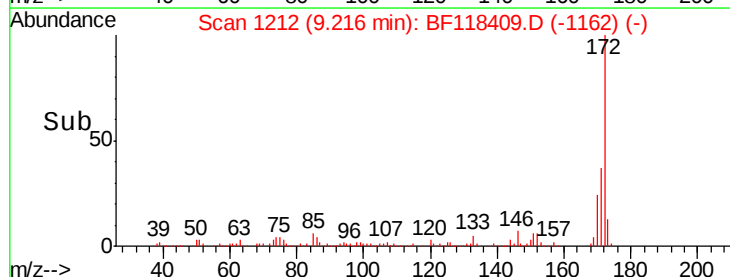


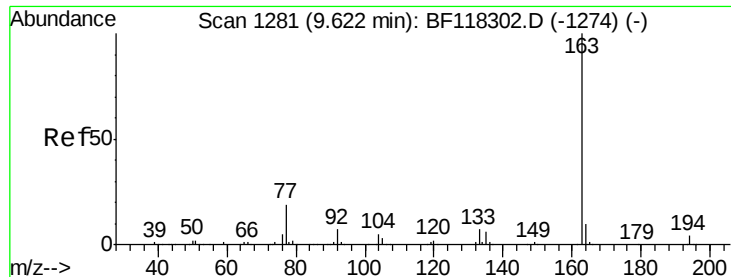
Abundance

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

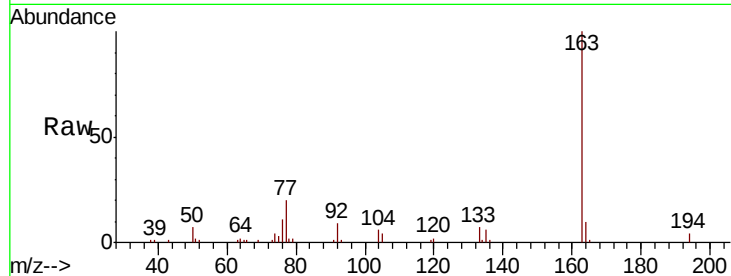




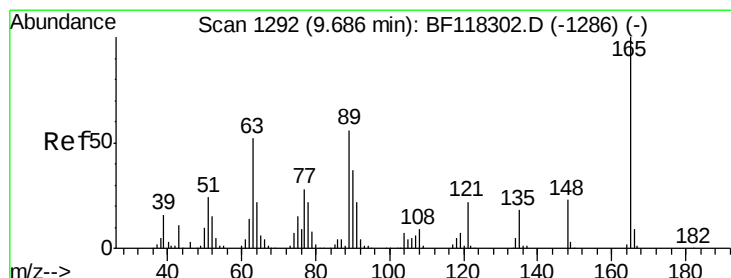
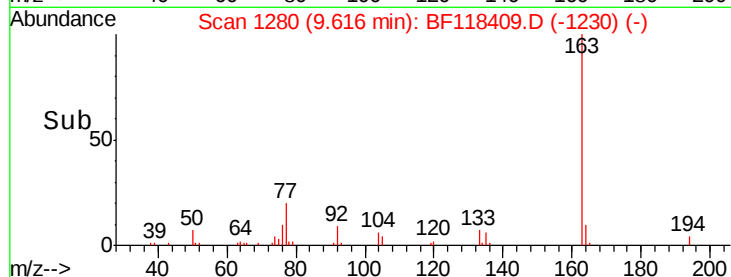
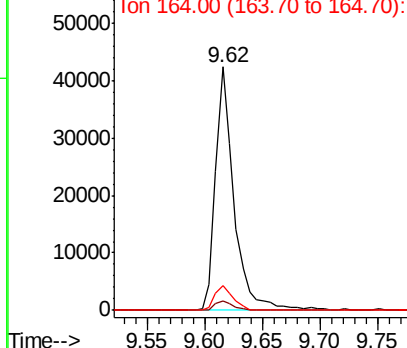
#50
Dimethylphthalate
Concen: 3.461 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 47264
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.3 7.9 11.9

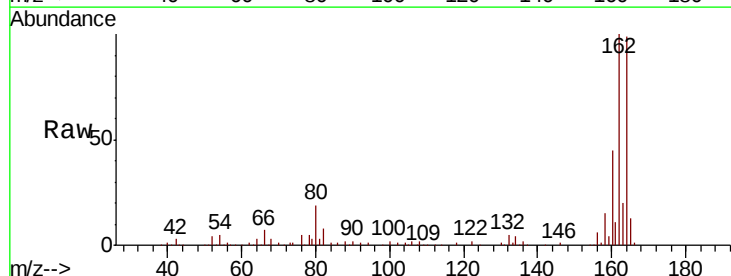


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

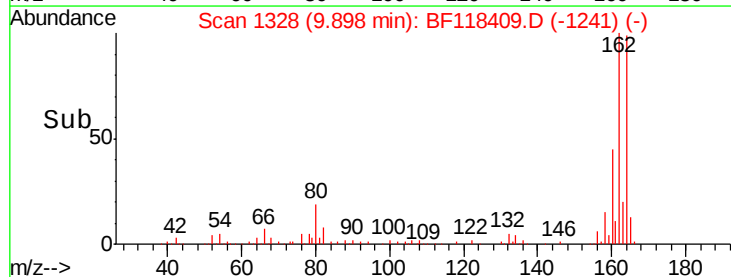
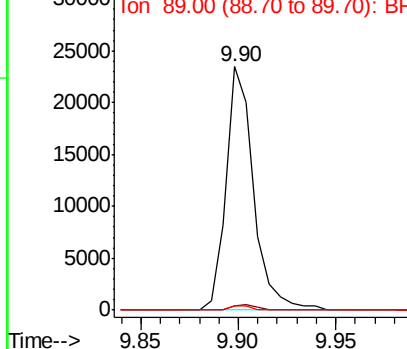


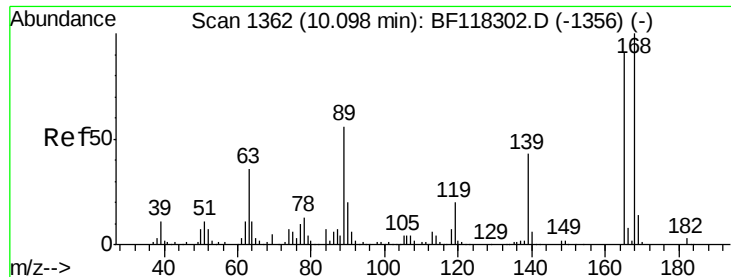
#51
2,6-Dinitrotoluene
Concen: 7.791 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Tgt Ion:165 Resp: 22935
Ion Ratio Lower Upper
165 100
63 1.8 42.2 63.4#
89 1.5 44.4 66.6#



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





#57

2,4-Dinitrotoluene

Concen: 5.831 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22935

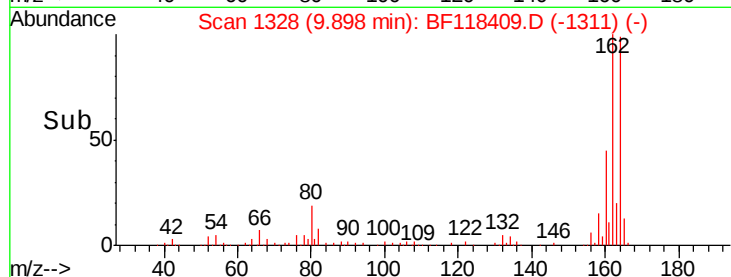
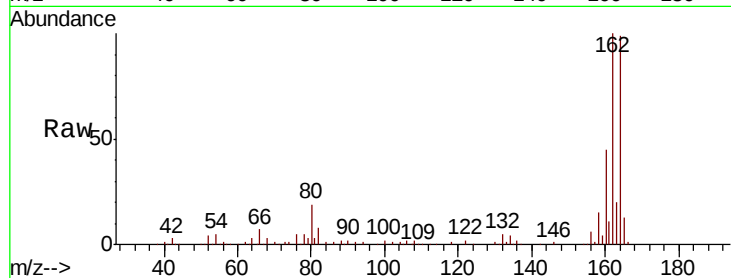
Ion Ratio Lower Upper

165 100

63 1.8 32.0 48.0#

89 1.5 49.3 73.9#

182 0.0 2.4 3.6#

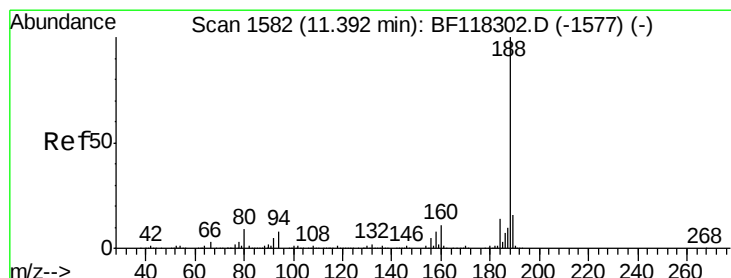
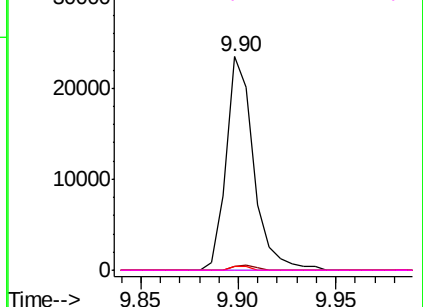


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

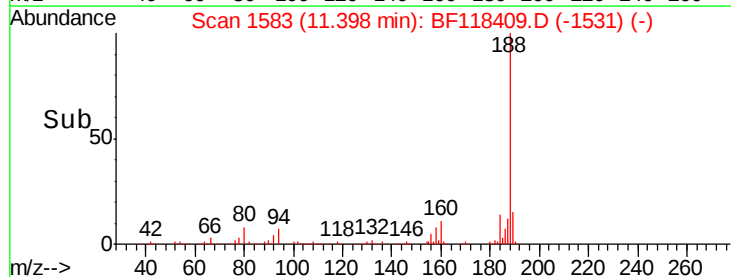
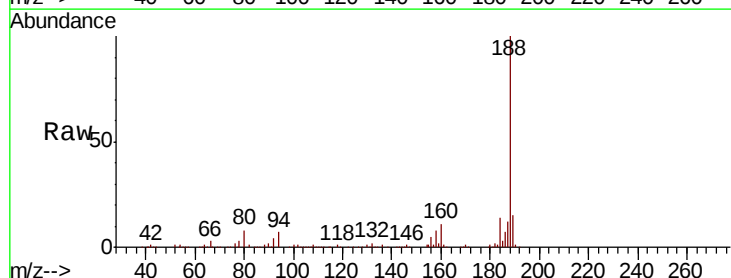
Tgt Ion:188 Resp: 337050

Ion Ratio Lower Upper

188 100

94 7.1 6.7 10.1

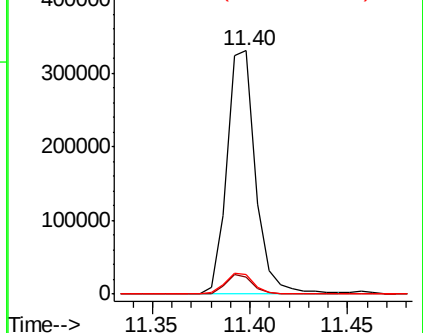
80 8.1 7.2 10.8

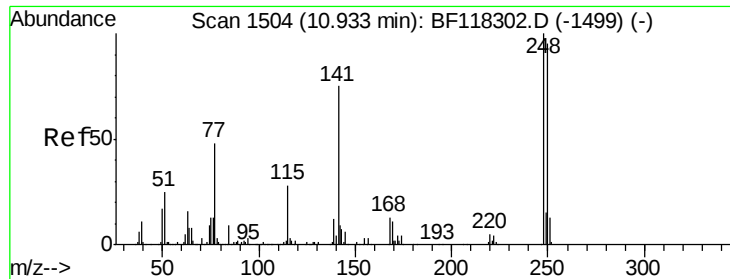


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

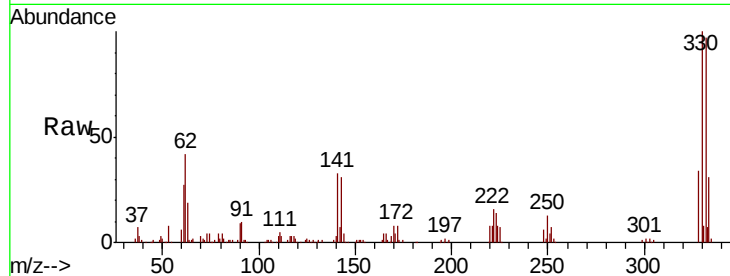




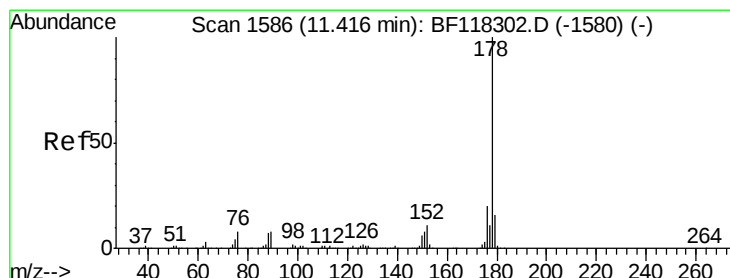
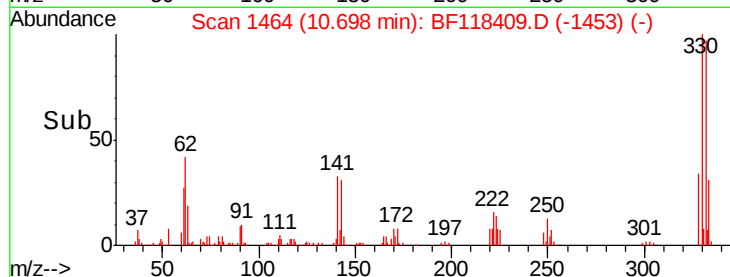
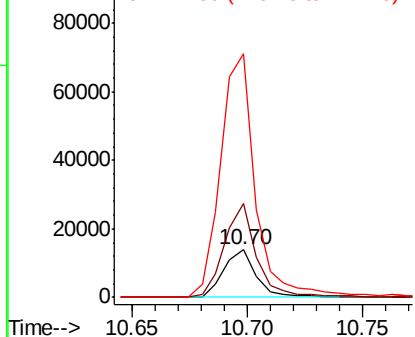
#67
 4-Bromophenyl-phenylether
 Concen: 3.413 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF118409.D
 Acq: 31 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13464
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.4 114.6#
 141 511.9 60.2 90.2#

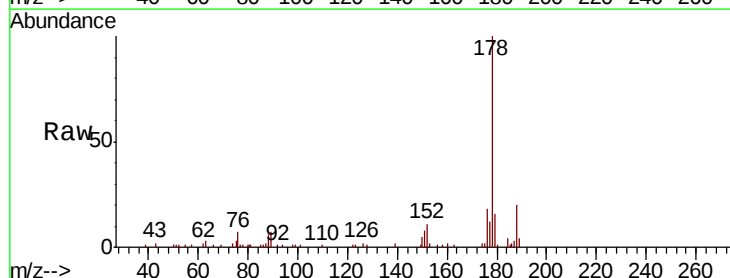


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

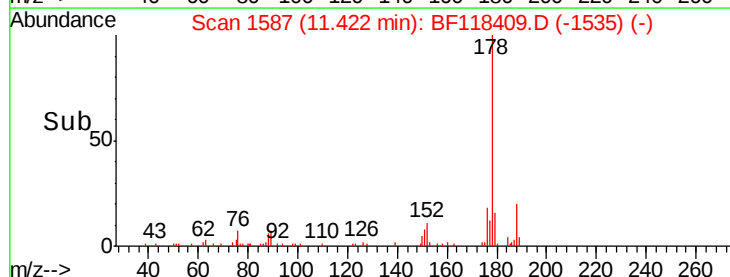
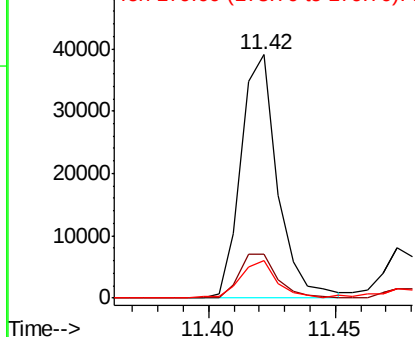


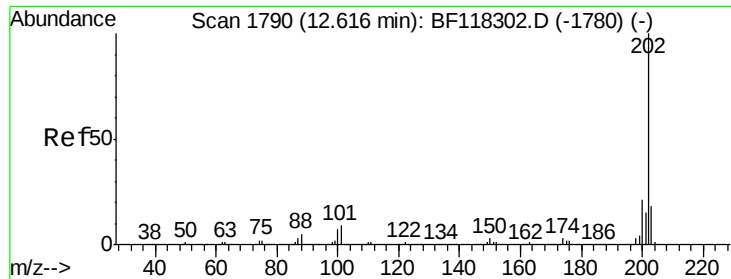
#71
 Phenanthrene
 Concen: 2.138 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF118409.D
 Acq: 31 Dec 2019 17:02

Tgt Ion:178 Resp: 39288
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.6 23.4
 179 15.7 12.6 19.0



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: 3.484 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

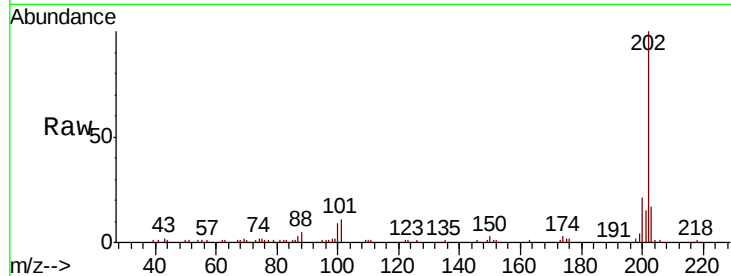
Tot Ion:202 Resp: 64604

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.5

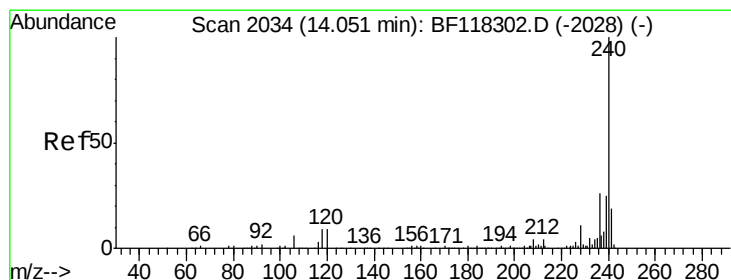
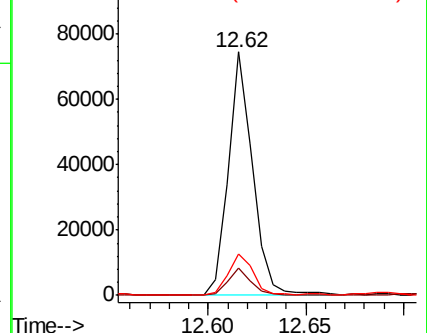
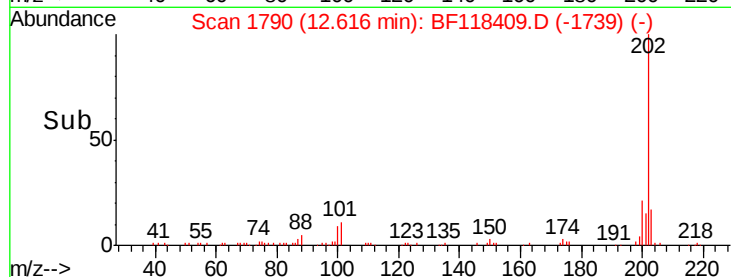
203 17.0 0.0 37.6



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: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF118409.D

Acq: 31 Dec 2019 17:02

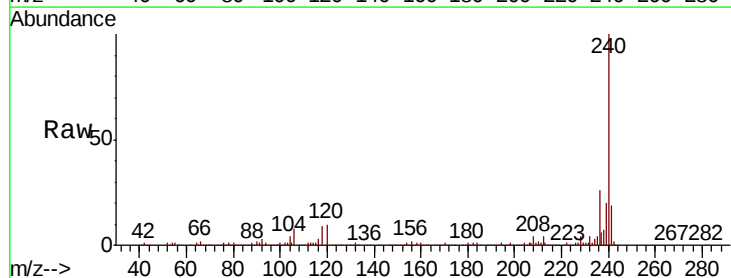
Tgt Ion:240 Resp: 216200

Ion Ratio Lower Upper

240 100

120 10.1 7.1 10.7

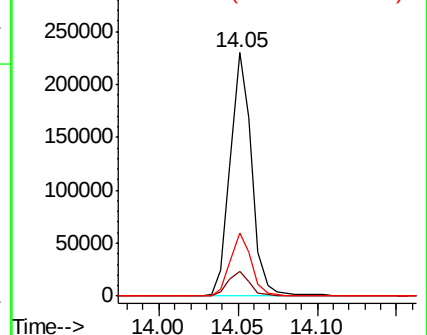
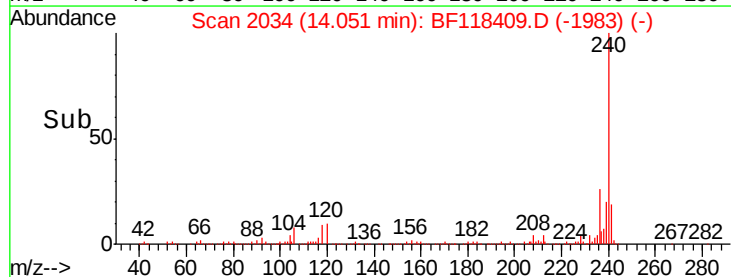
236 26.1 21.0 31.6

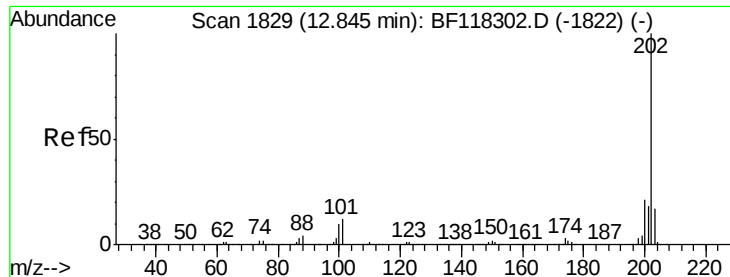


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

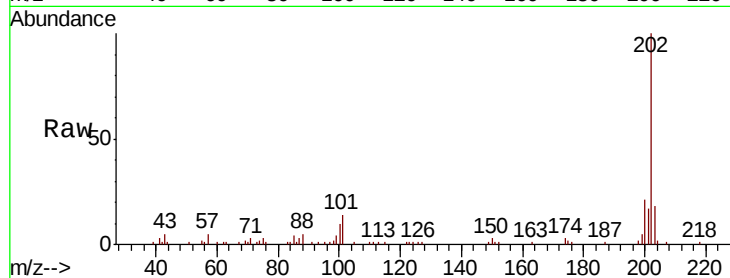




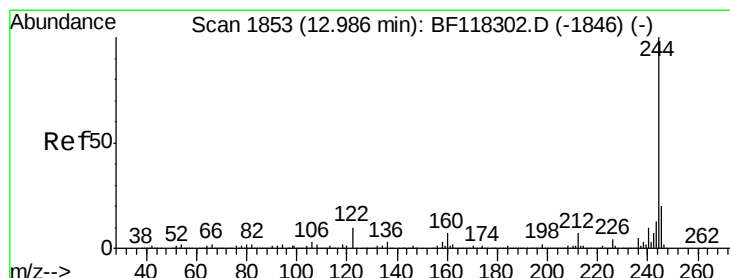
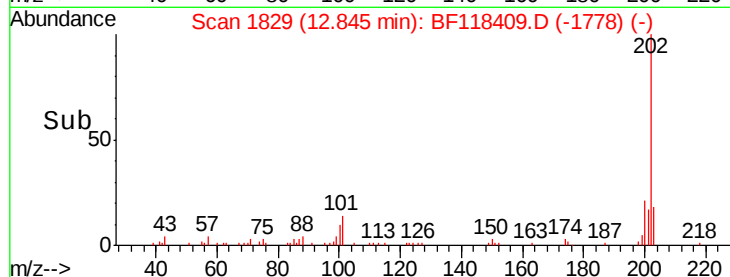
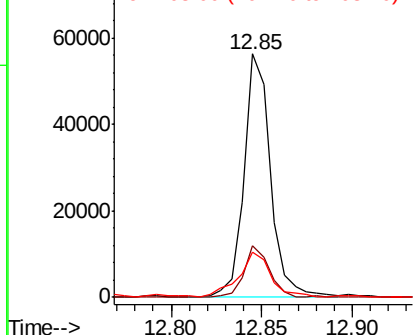
#78
Pvrene
Concen: 3.232 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.3	13.9	20.9

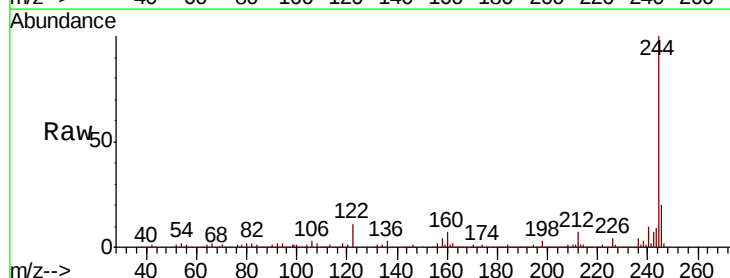


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

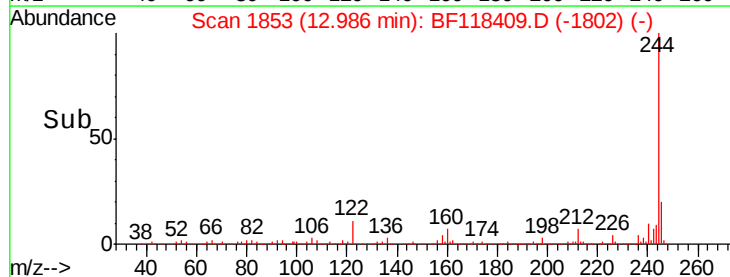
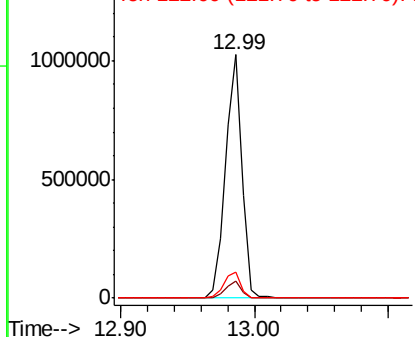


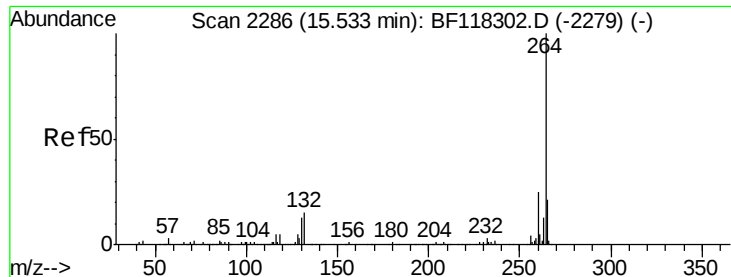
#79
Terphenyl-d14
Concen: 68.802 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.7	7.8	11.8



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

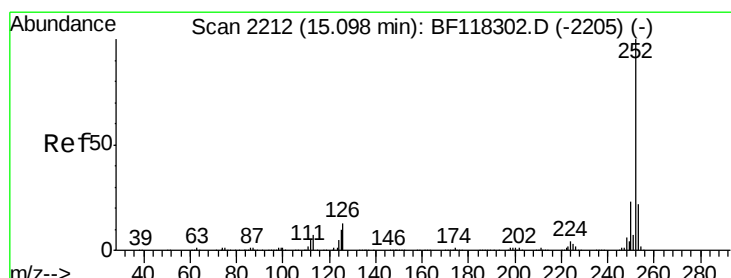
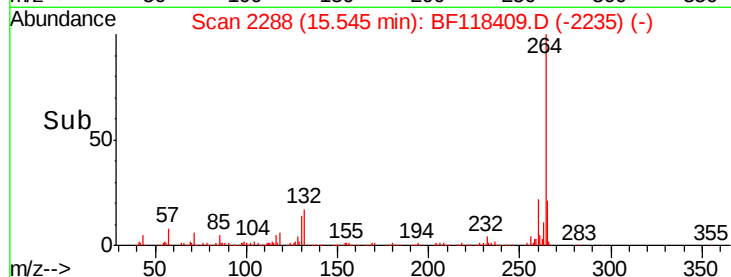
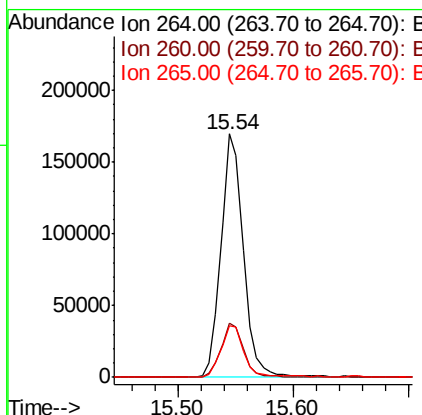
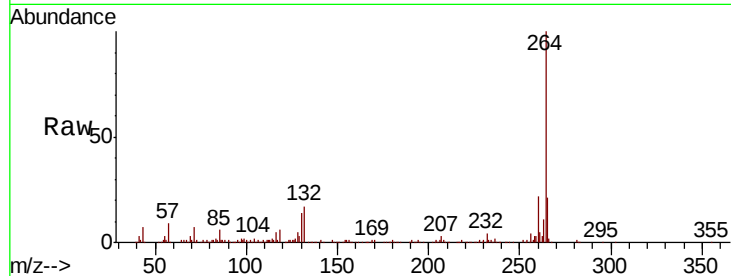




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

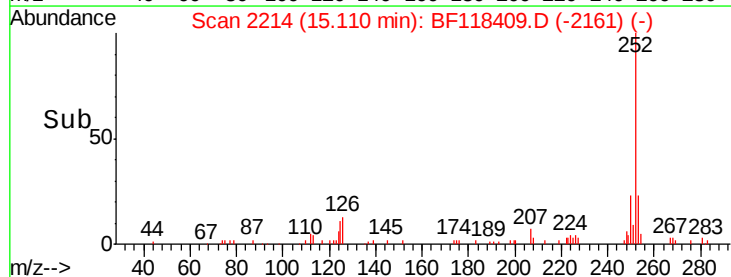
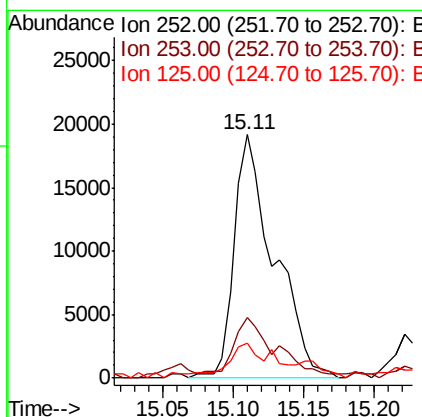
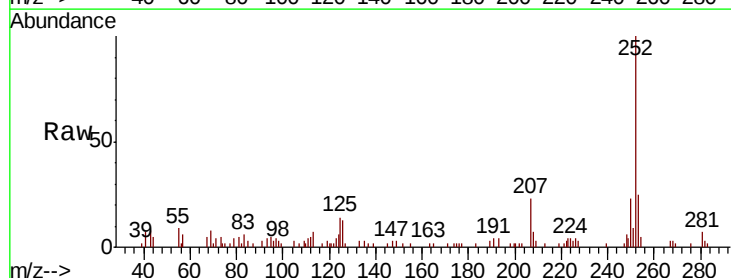
Instrument :
BNA_F
ClientSampleId :

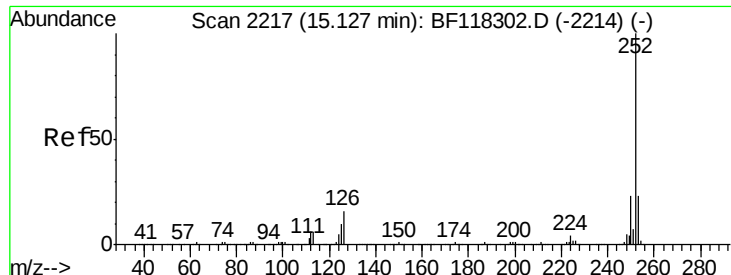
Tot Ion:264 Resp: 228934
Ion Ratio Lower Upper
264 100
260 22.5 19.8 29.6
265 21.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.501 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118409.D
Acq: 31 Dec 2019 17:02

Tgt Ion:252 Resp: 38009
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 14.3 7.7 11.5#





#89
 Benzo(k)fluoranthene
 Concen: 2.605 ng
 RT: 15.11 min Scan# 2214
 Delta R.T. -0.02 min
 Lab File: BF118409.D
 Acq: 31 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	14.3	8.0	12.0

