

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111193.D
 Acq On : 7 Dec 2018 18:10
 Operator : JU/SJ
 Sample : J6214-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(18-20)

Quant Time: Dec 07 22:25:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	382349	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1567518	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	757187	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1333600	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1033978	20.00	ng	0.00
87) Perylene-d12	15.40	264	1195412	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	2493982	101.79	ng	0.00
7) Phenol-d6	6.43	99	2548431	80.74	ng	0.00
23) Nitrobenzene-d5	7.36	82	1693964	63.98	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	538467	89.46	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2443097	54.58	ng	0.00
79) Terphenyl-d14	12.91	244	1926366	38.16	ng	0.00

Target Compounds

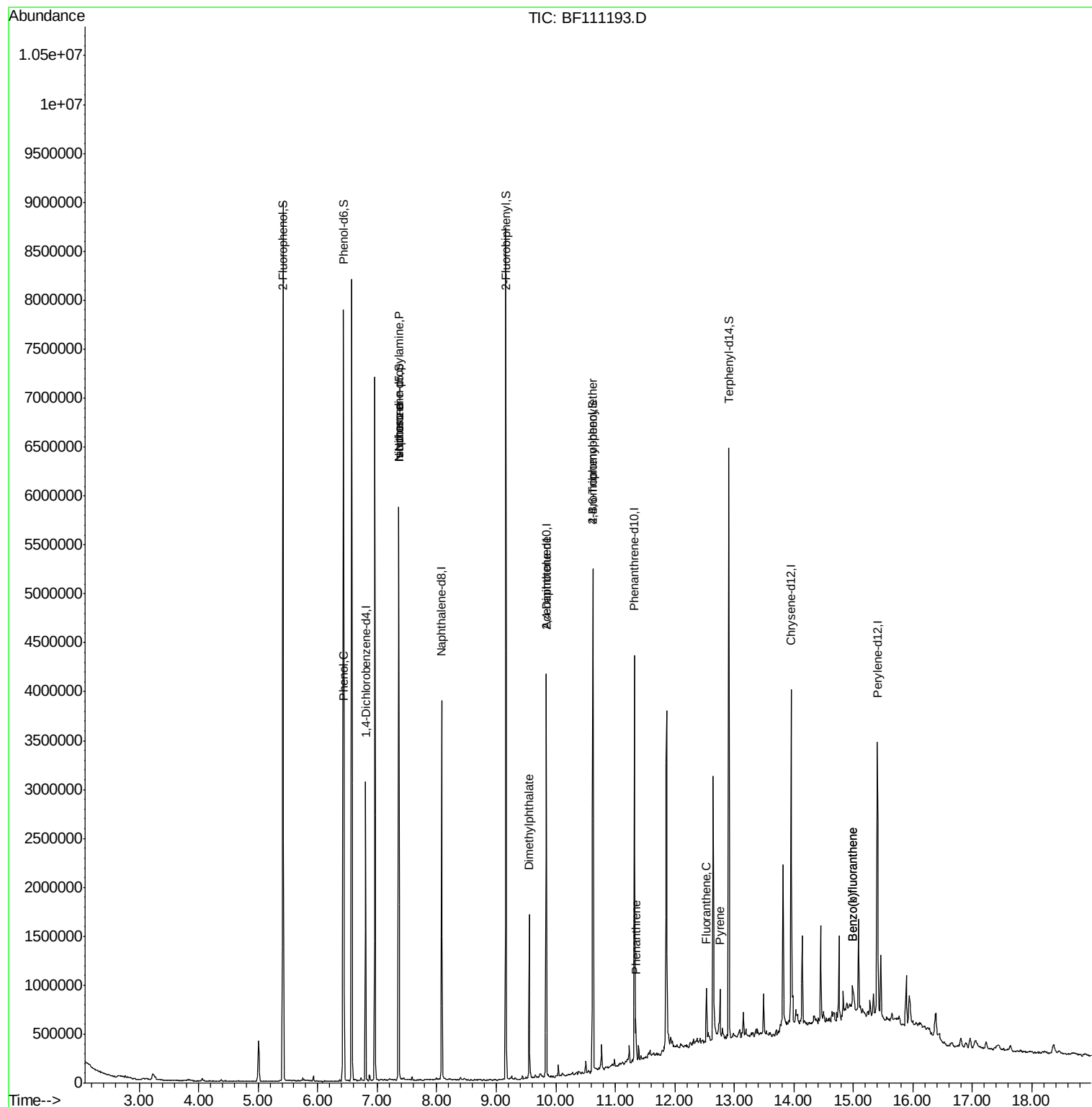
						Qvalue
9) Benzaldehyde	6.43	77	5685	Below Cal	#	1
10) Phenol	6.45	94	199878	5.808 ng		93
19) n-Nitroso-di-n-propylamine	7.36	70	227796	10.739 ng	#	75
25) Isophorone	7.36	82	1685211	34.682 ng	#	65
50) Dimethylphthalate	9.55	163	641742	12.178 ng		99
57) 2,4-Dinitrotoluene	9.84	165	98748	6.843 ng	#	23
67) 4-Bromophenyl-phenylether	10.63	248	35429	2.510 ng	#	1
71) Phenanthrene	11.34	178	134481	2.096 ng		96
75) Fluoranthene	12.53	202	210249	3.349 ng		98
77) Benzidine	12.60	184	1173	Below Cal	#	1
78) Pyrene	12.76	202	186724	2.318 ng		96
88) Benzo(b)fluoranthene	14.99	252	184378	2.722 ng	#	93
89) Benzo(k)fluoranthene	14.99	252	184378	2.816 ng	#	93

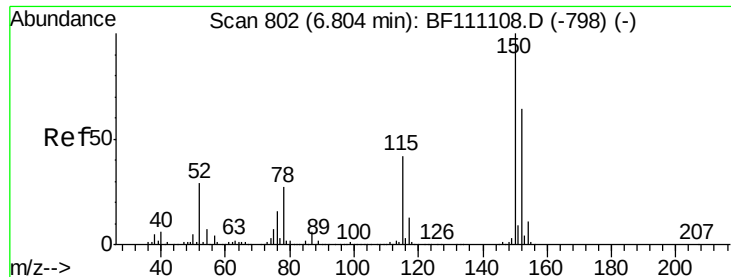
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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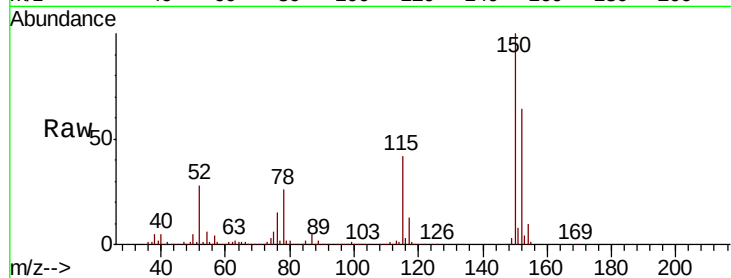


#1

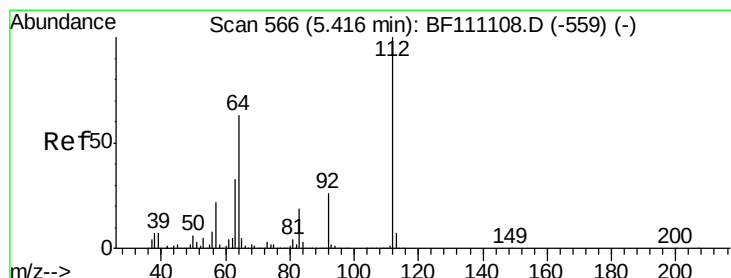
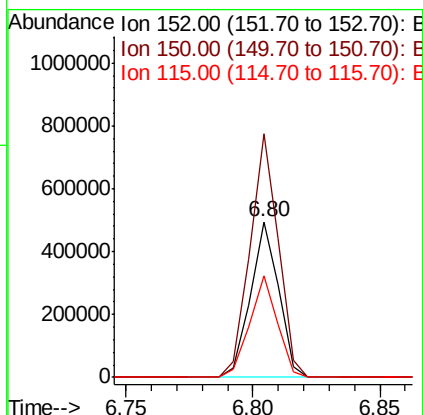
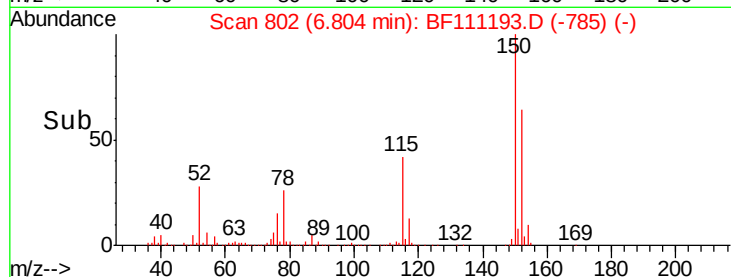
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SB-8(18-20)

Tgt Ion:152 Resp: 382349
Ion Ratio Lower Upper
152 100
150 156.6 124.6 187.0
115 65.5 52.2 78.2



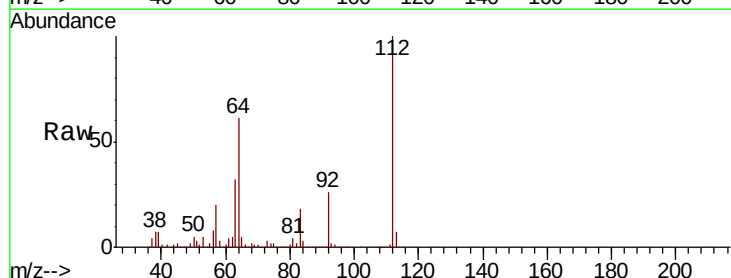
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



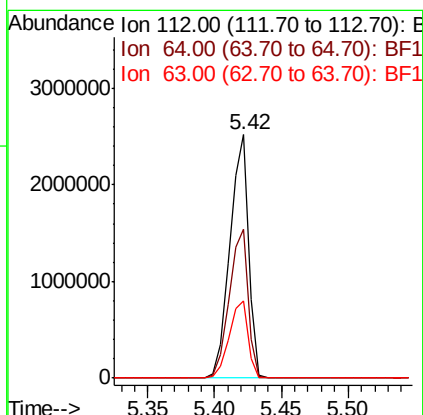
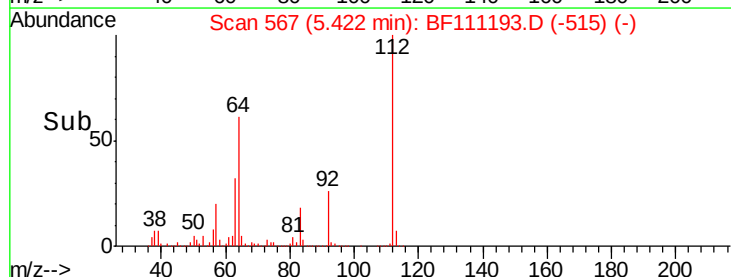
#5

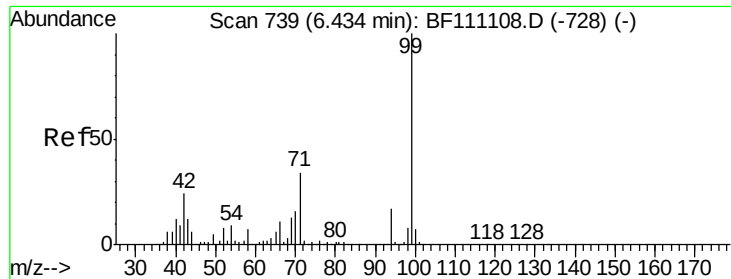
2-Fluorophenol
Concen: 101.785 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Tgt Ion:112 Resp: 2493982
Ion Ratio Lower Upper
112 100
64 61.2 50.2 75.4
63 31.8 26.6 39.8



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: 80.740 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

Instrument :

BNA_F

ClientSampleId :

SB-8(18-20)

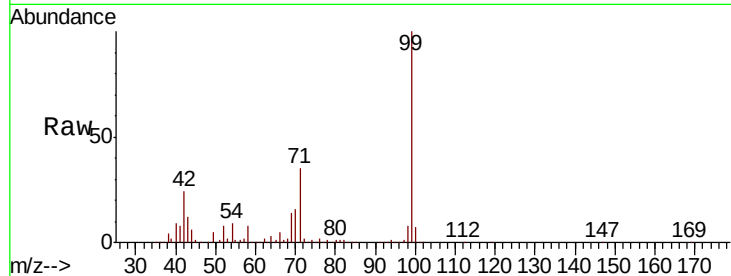
Tgt Ion: 99 Resp: 2548431

Ion Ratio Lower Upper

99 100

42 23.6 19.3 28.9

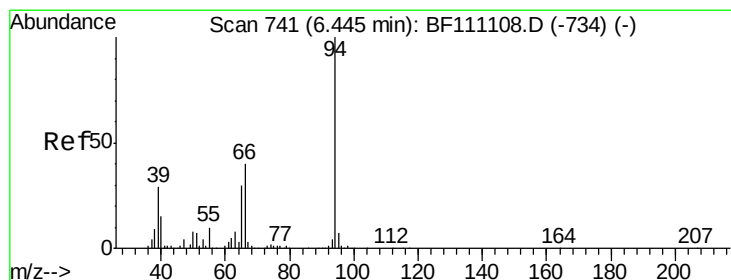
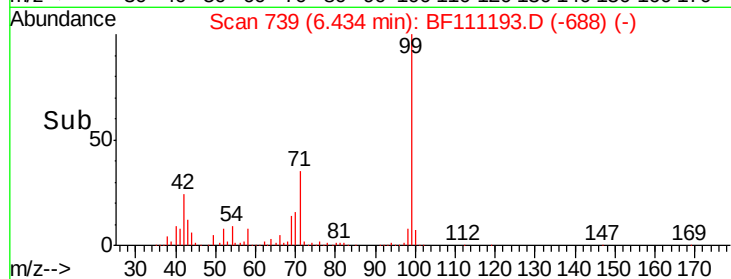
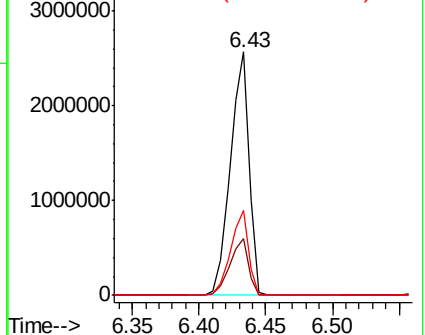
71 35.1 27.4 41.2



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



#10

Phenol

Concen: 5.808 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

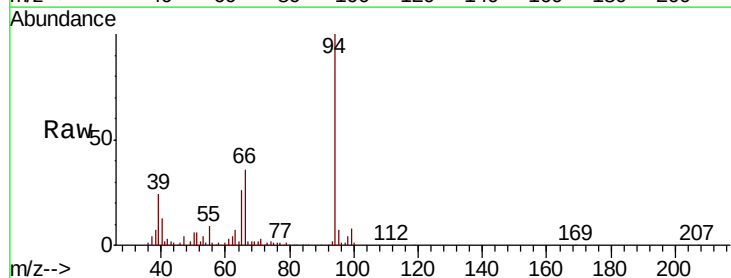
Tgt Ion: 94 Resp: 199878

Ion Ratio Lower Upper

94 100

65 26.4 10.5 50.5

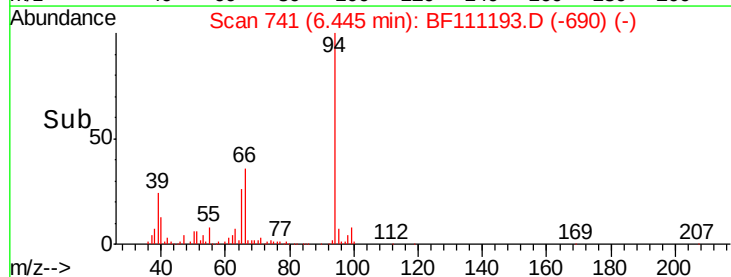
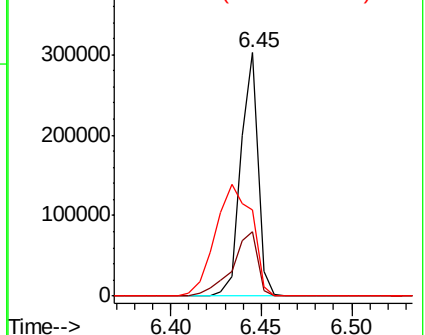
66 35.5 19.8 59.8

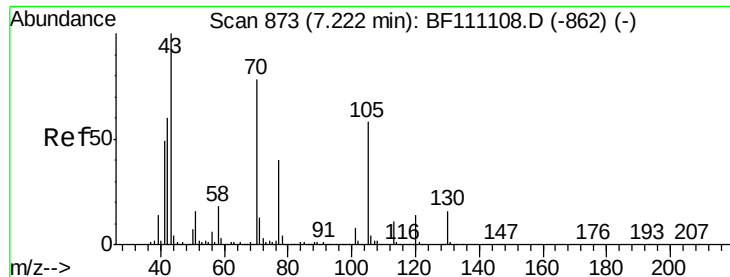


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

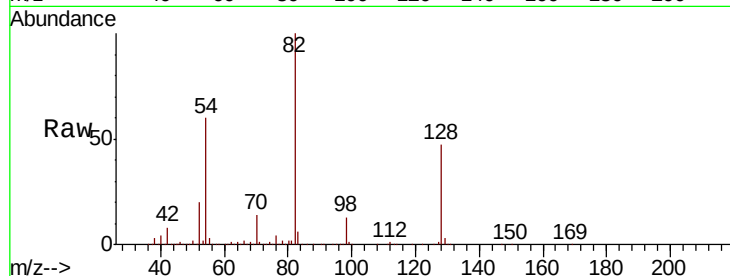




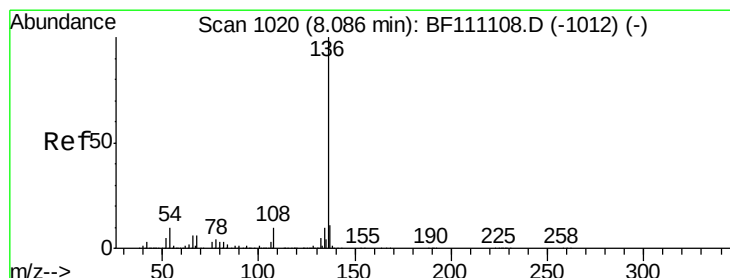
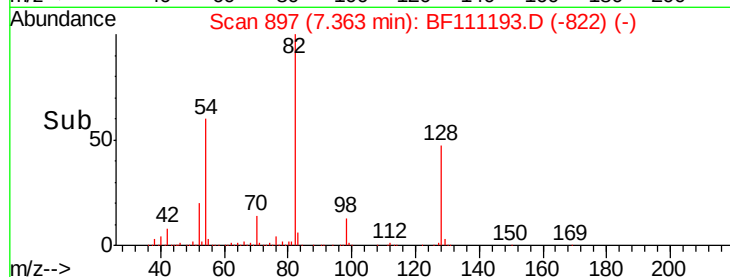
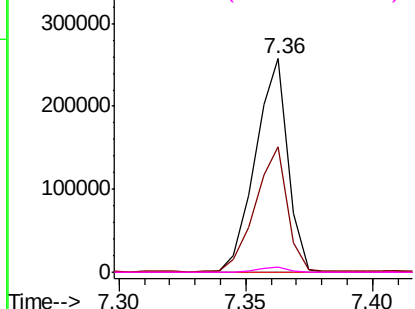
#19
n-Nitroso-di-n-propylamine
Concen: 10.739 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SB-8(18-20)

Tgt Ion: 70 Resp: 227796
Ion Ratio Lower Upper
70 100
42 58.8 61.3 91.9#
101 0.0 7.7 11.5#
130 2.4 16.3 24.5#

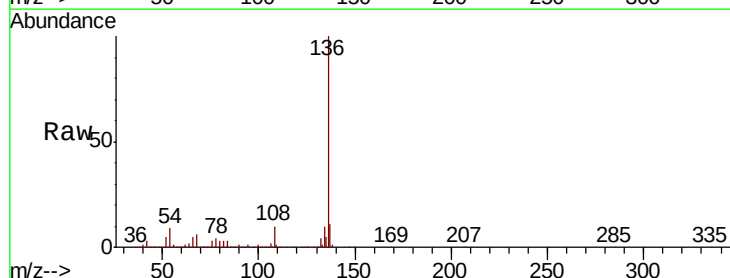


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

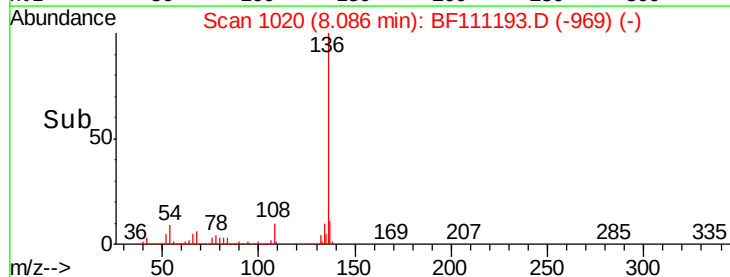
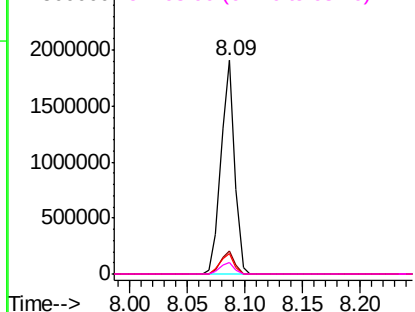


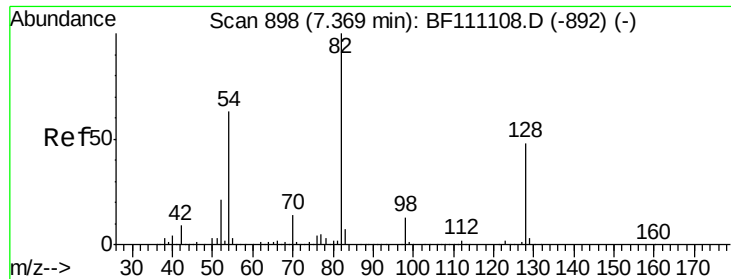
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Tgt Ion:136 Resp: 1567518
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.4 8.4 12.6
68 5.6 5.0 7.4



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

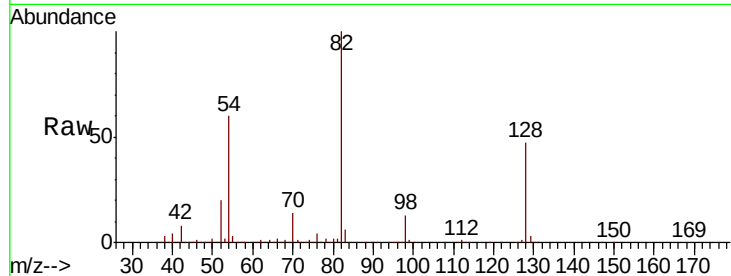




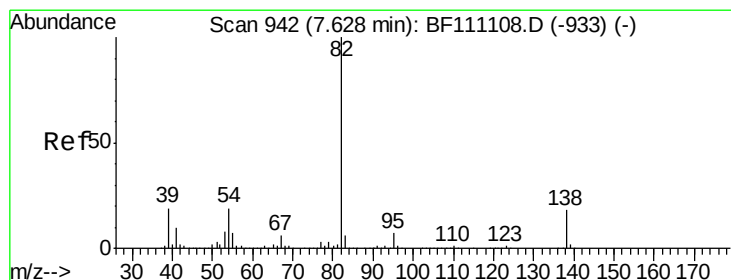
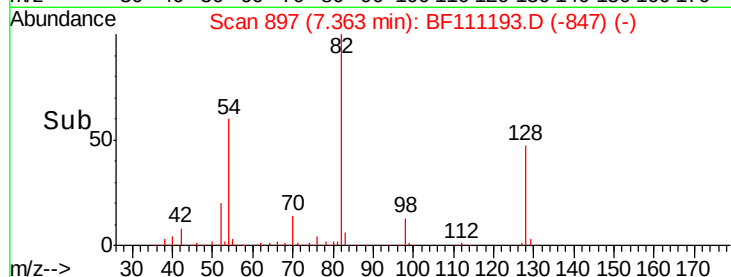
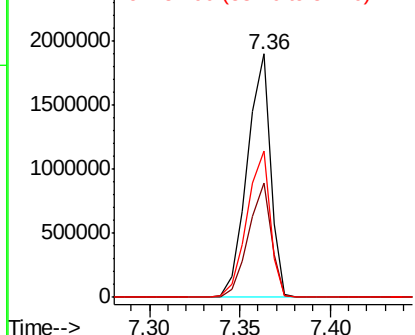
#23
 Nitrobenzene-d5
 Concen: 63.979 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(18-20)

Tgt Ion: 82 Resp: 1693964
 Ion Ratio Lower Upper
 82 100
 128 47.1 38.1 57.1
 54 60.2 50.3 75.5

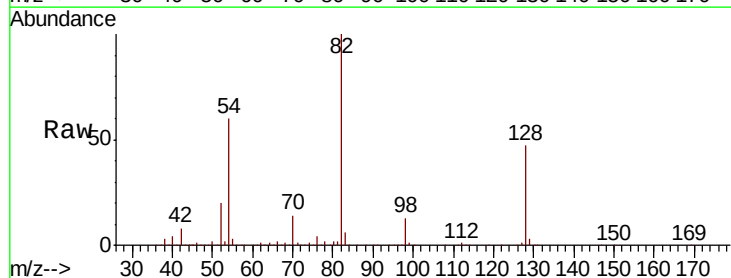


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

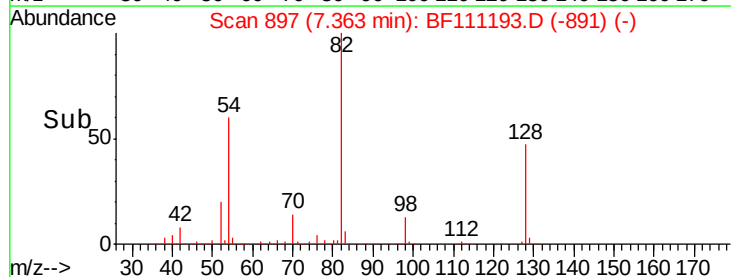
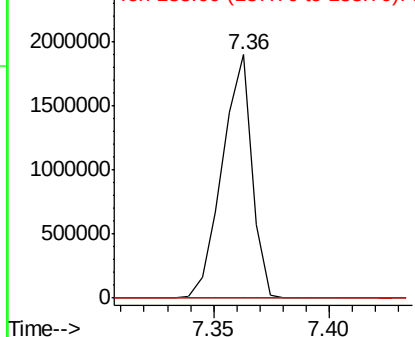


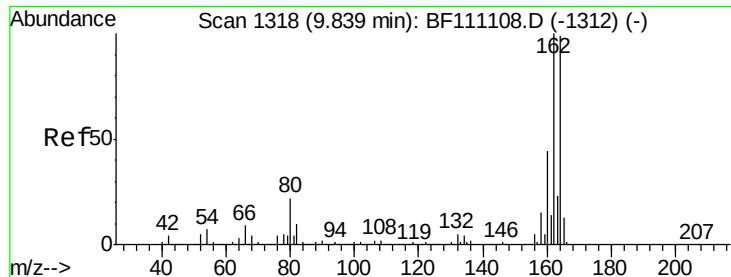
#25
 Isophorone
 Concen: 34.682 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

Tgt Ion: 82 Resp: 1685211
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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

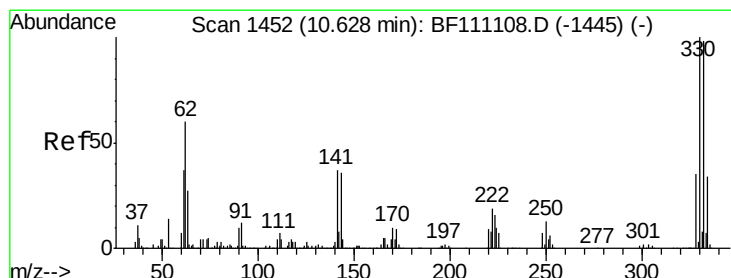
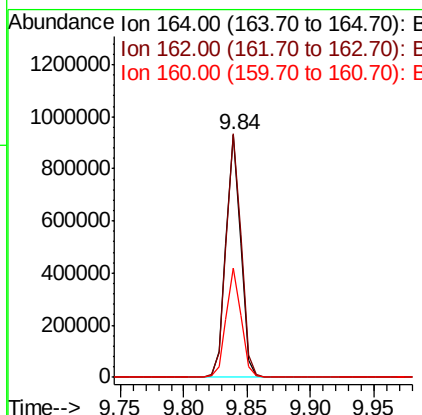
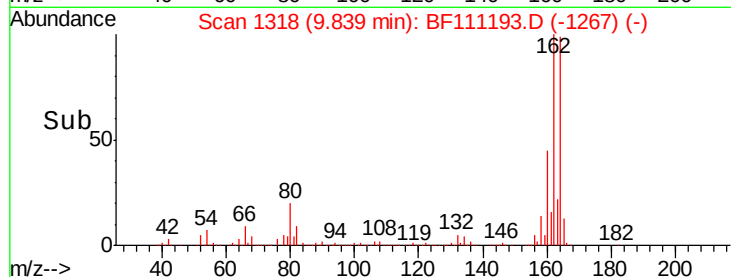
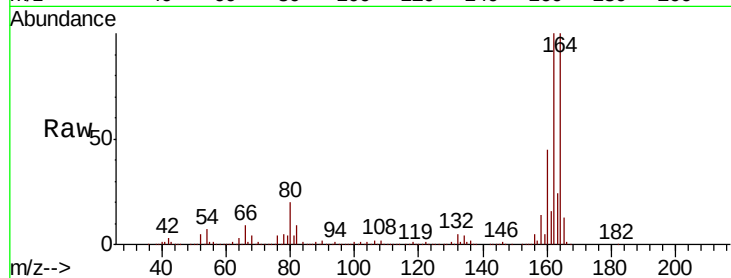




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

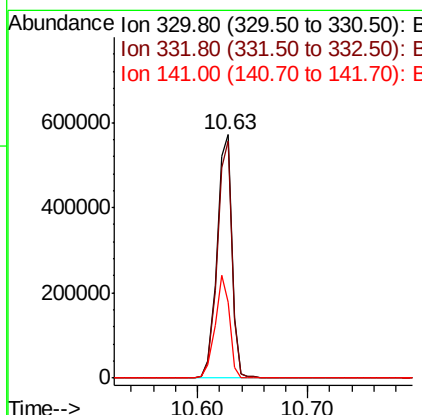
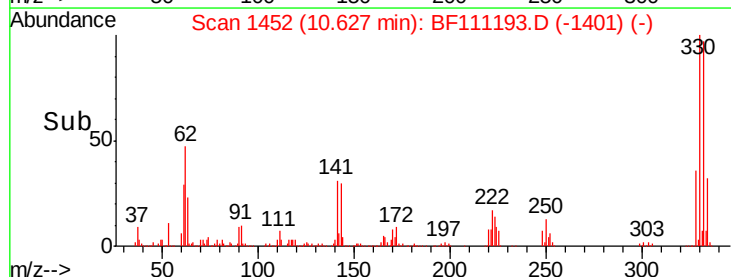
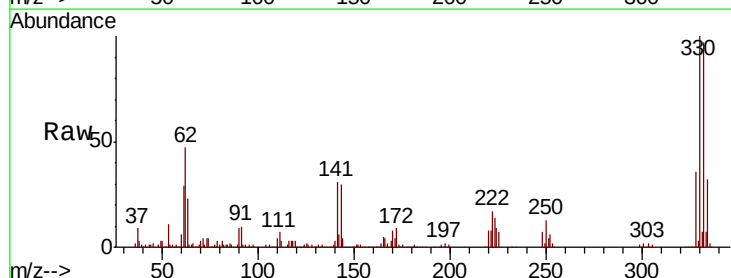
Instrument :
BNA_F
ClientSampleId :
SB-8(18-20)

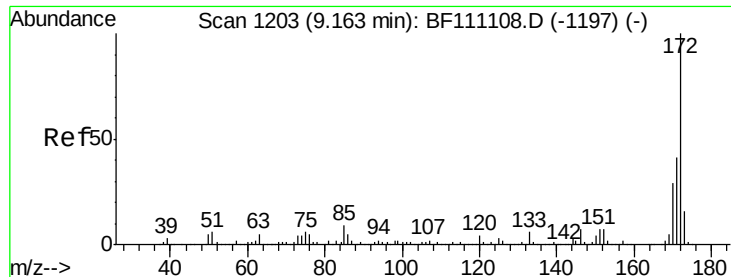
Tgt Ion:164 Resp: 757187
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 44.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 89.465 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Tgt Ion:330 Resp: 538467
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 39.9 36.1 54.1

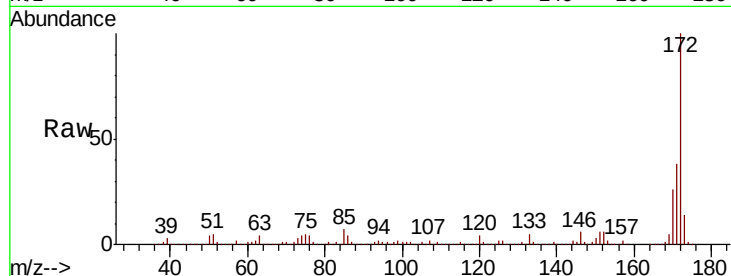




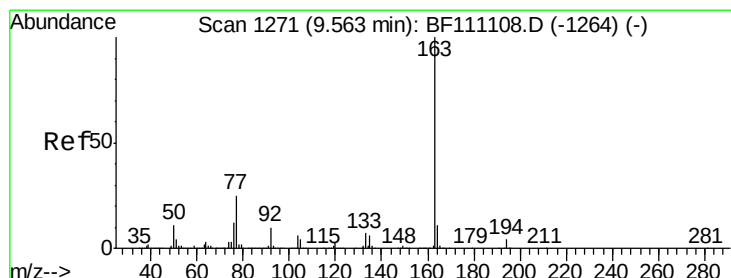
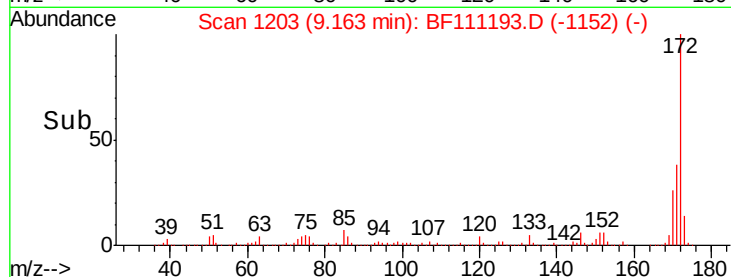
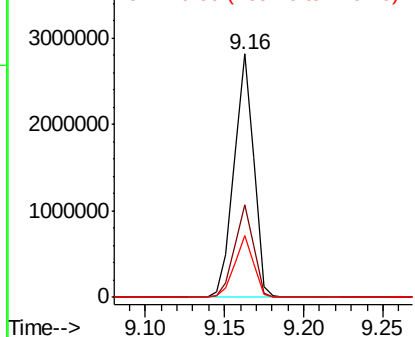
#45
2-Fluorobiphenyl
Concen: 54.581 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Instrument :
BNA_F
ClientSampleId :
SB-8(18-20)

Tgt Ion:172 Resp: 2443097
Ion Ratio Lower Upper
172 100
171 37.9 33.2 49.8
170 25.6 22.9 34.3

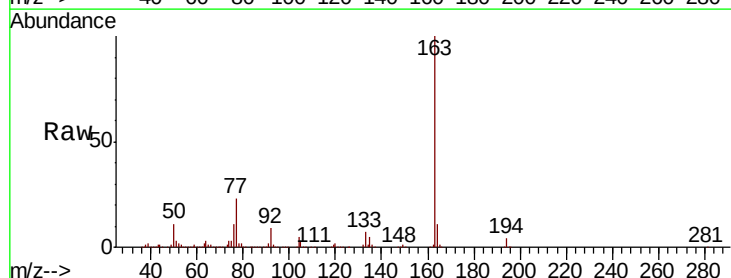


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

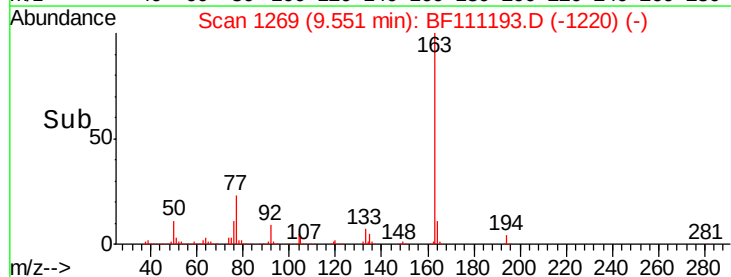
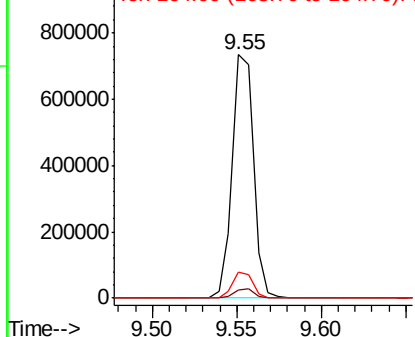


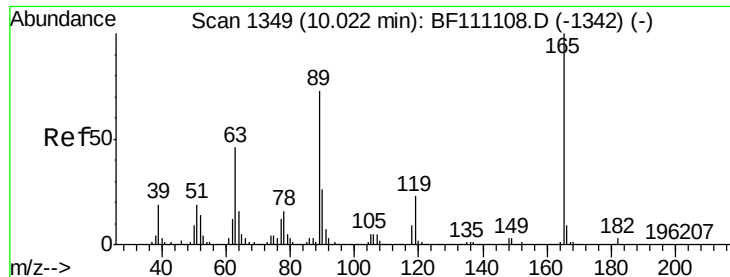
#50
Dimethylphthalate
Concen: 12.178 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

Tgt Ion:163 Resp: 641742
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.6 8.9 13.3



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

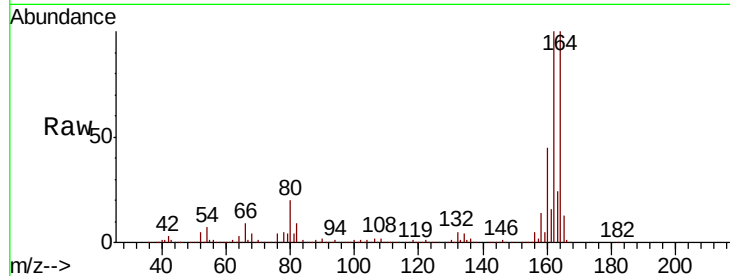




#57
 2,4-Dinitrotoluene
 Concen: 6.843 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(18-20)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.2	58.4	87.6#
182	0.3	2.1	3.1#

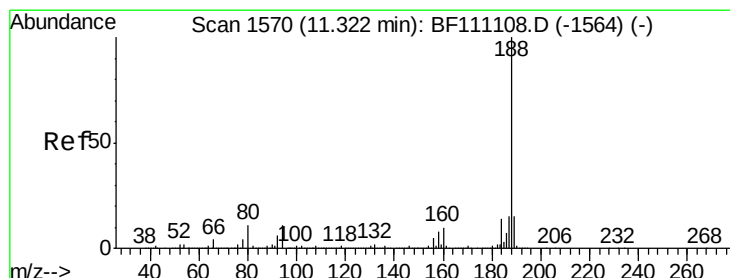
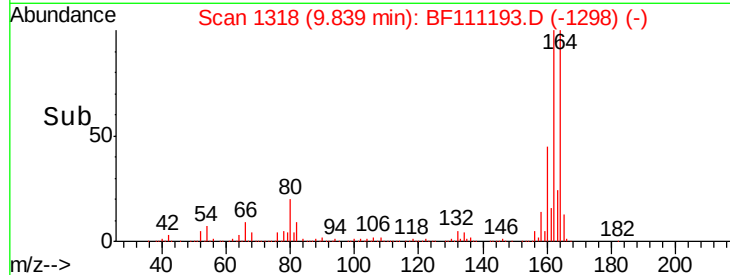
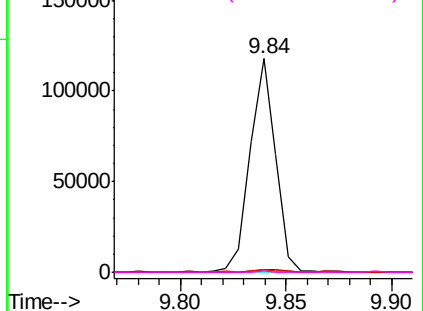


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

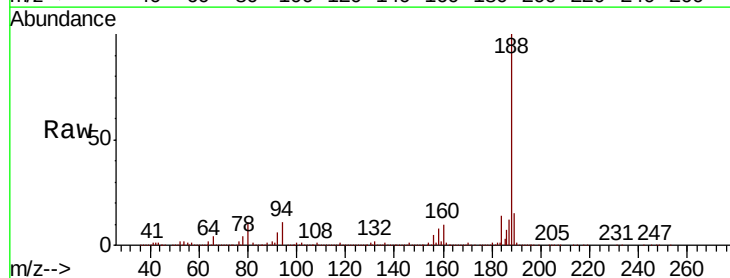
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

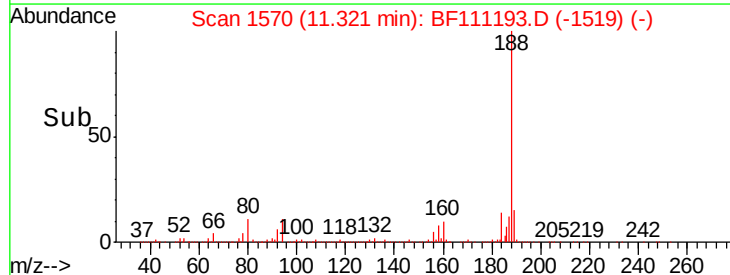
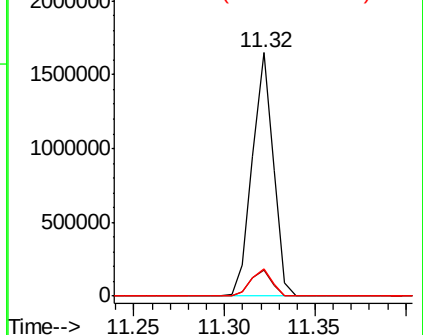
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.4	9.0	13.6

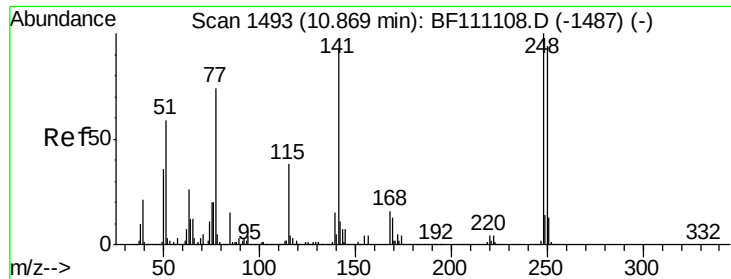


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

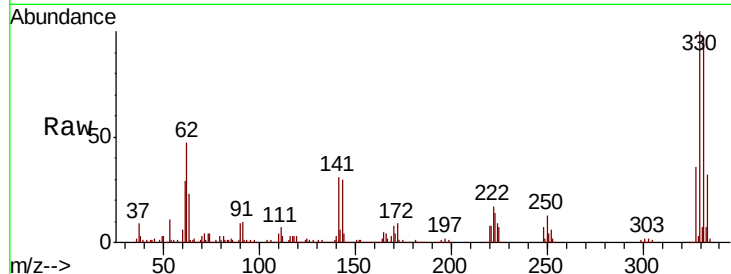




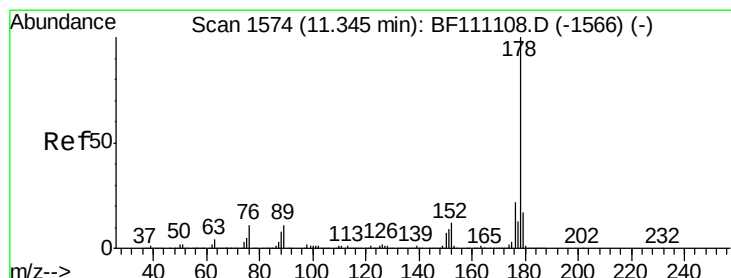
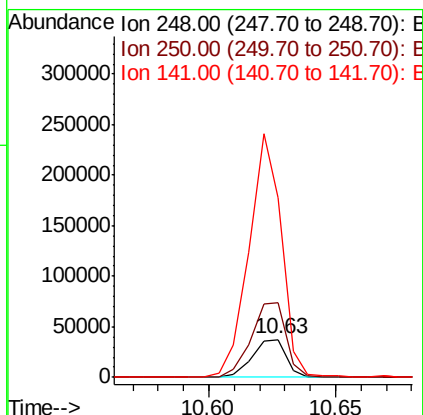
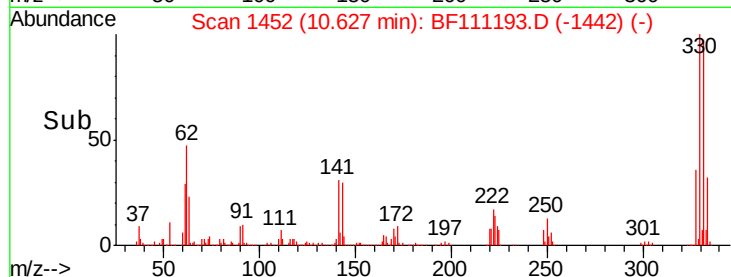
#67
 4-Bromophenyl-phenylether
 Concen: 2.510 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(18-20)

Tgt Ion:248 Resp: 35429
 Ion Ratio Lower Upper
 248 100
 250 197.3 75.4 113.0#
 141 471.5 73.8 110.6#

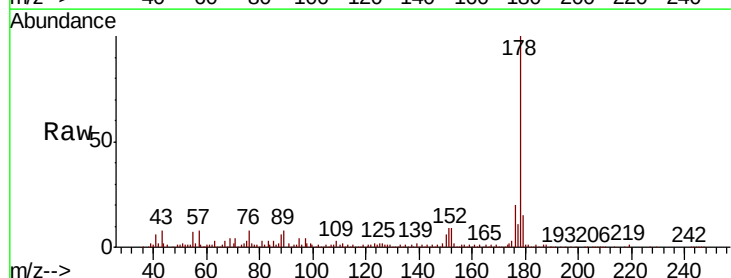


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

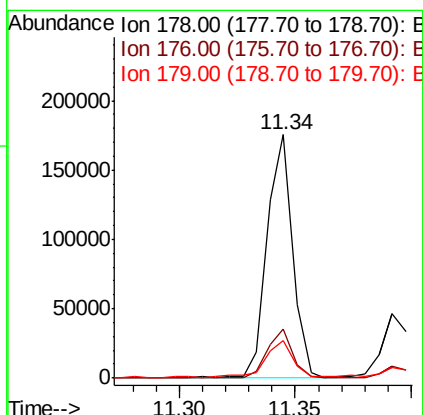
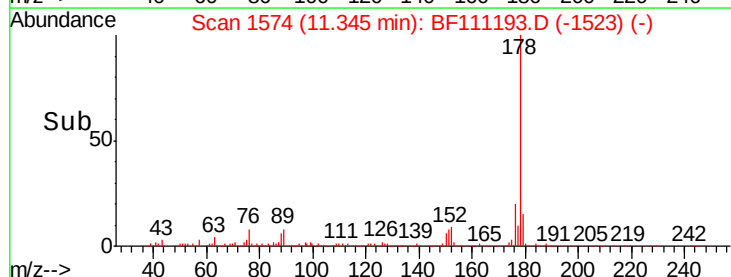


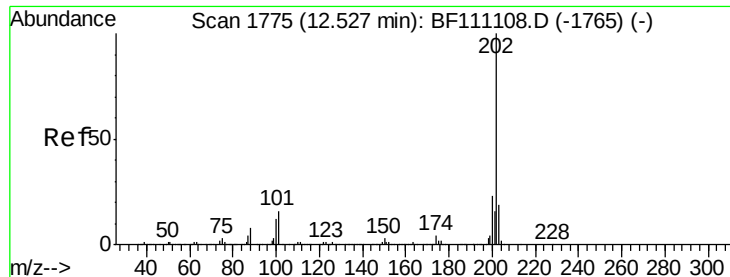
#71
 Phenanthrene
 Concen: 2.096 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BF111193.D
 Acq: 7 Dec 2018 18:10

Tgt Ion:178 Resp: 134481
 Ion Ratio Lower Upper
 178 100
 176 20.0 17.7 26.5
 179 15.5 14.0 21.0



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: 3.349 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

Instrument :

BNA_F

ClientSampleId :

SB-8(18-20)

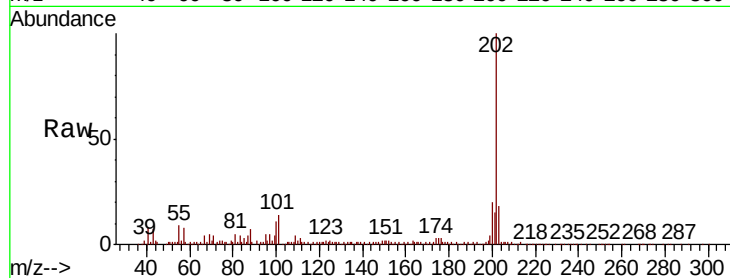
Tgt Ion:202 Resp: 210249

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.8

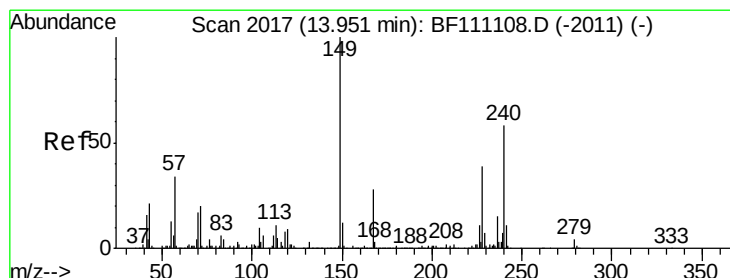
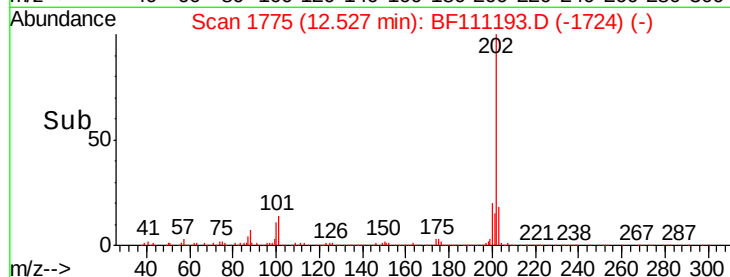
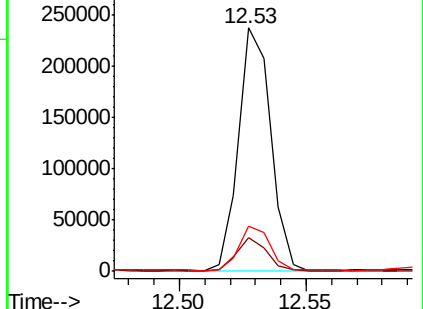
203 18.4 0.0 38.6



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: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

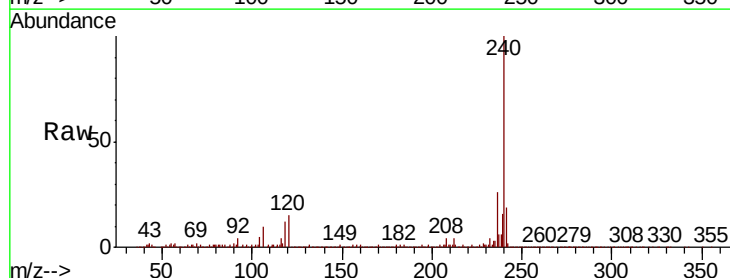
Tgt Ion:240 Resp: 1033978

Ion Ratio Lower Upper

240 100

120 14.9 12.8 19.2

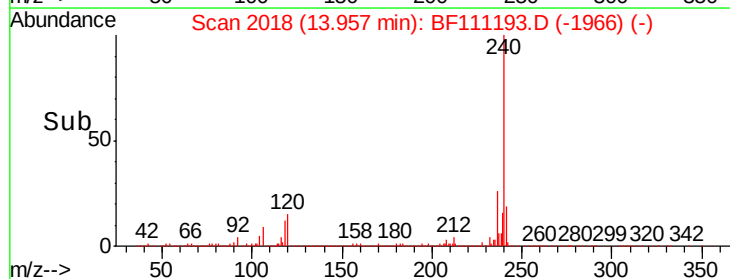
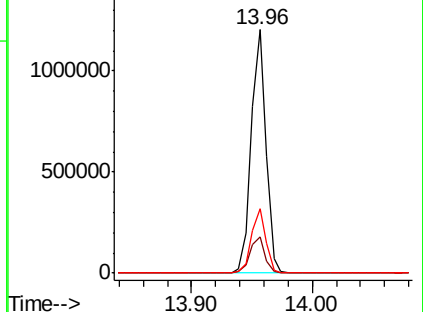
236 26.3 21.1 31.7

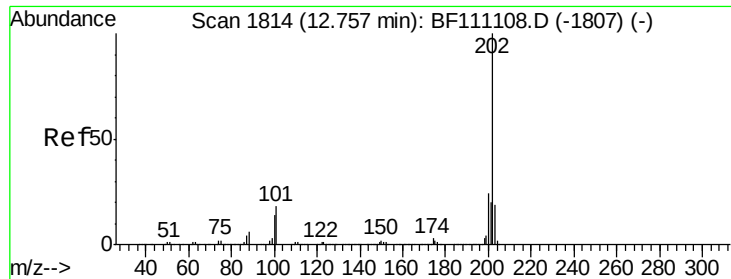


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.318 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

Instrument :

BNA_F

ClientSampleId :

SB-8(18-20)

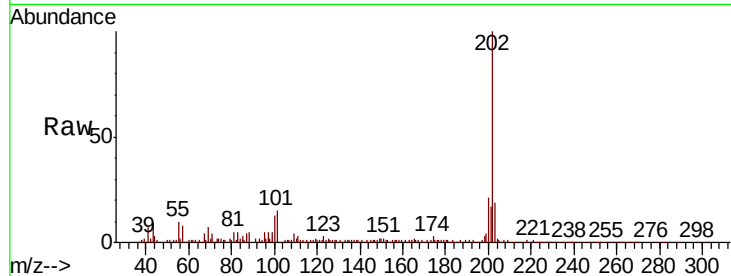
Tgt Ion:202 Resp: 186724

Ion Ratio Lower Upper

202 100

200 21.1 19.3 28.9

203 18.6 15.4 23.2

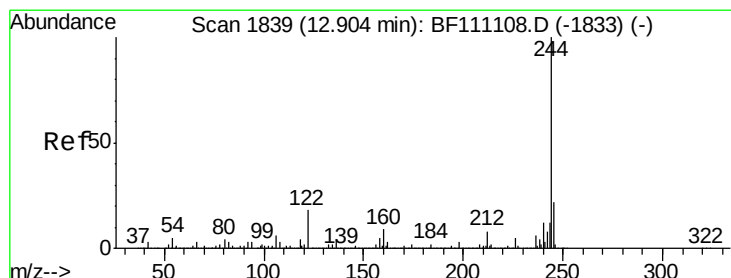
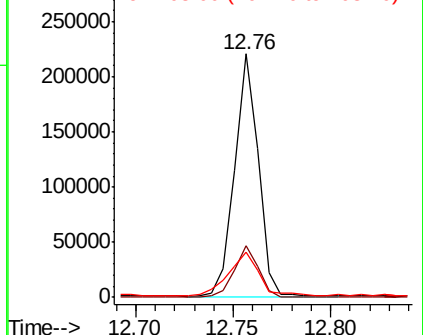
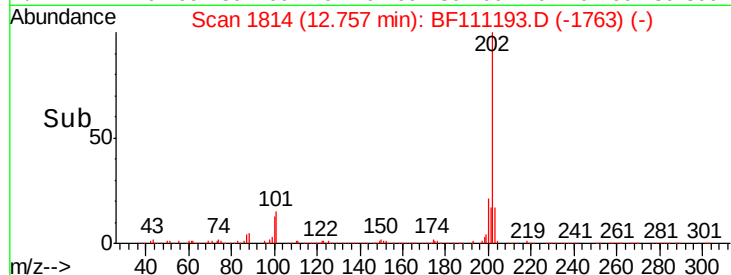


Abundance

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: 38.155 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

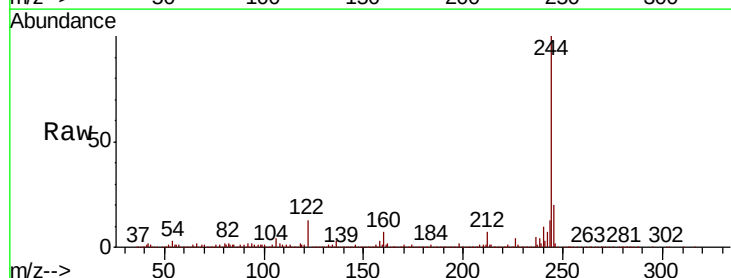
Tgt Ion:244 Resp: 1926366

Ion Ratio Lower Upper

244 100

212 6.9 6.6 9.8

122 13.0 14.2 21.2#

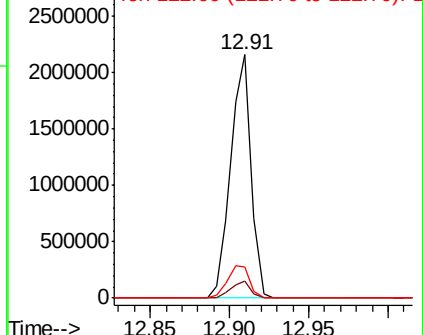
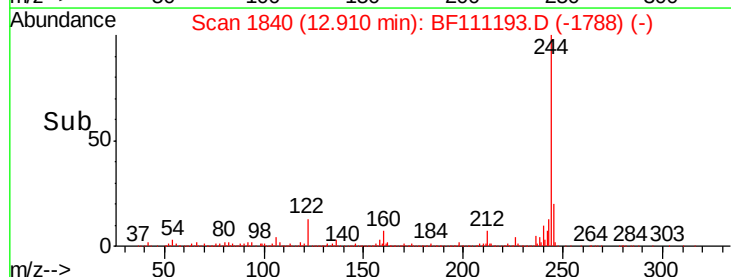


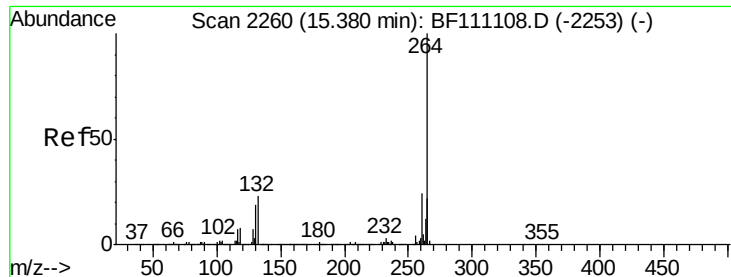
Abundance

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



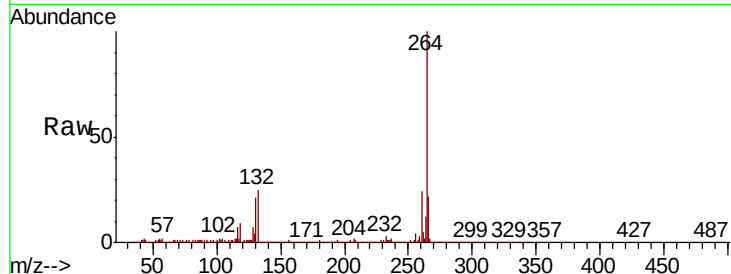


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

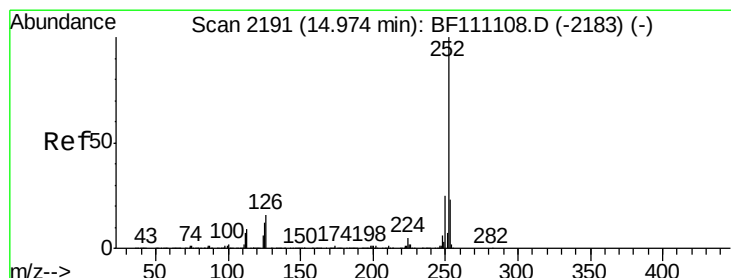
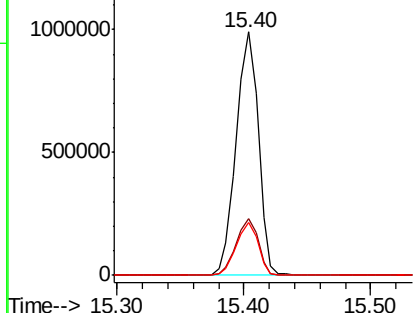
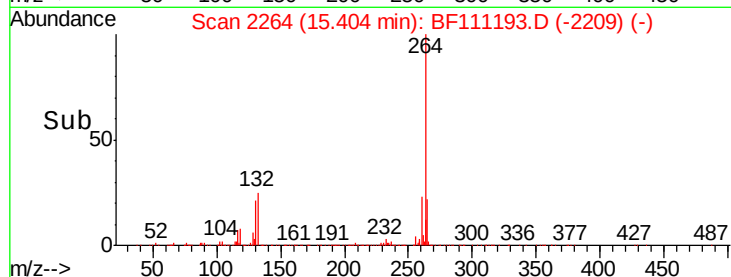
Instrument :
BNA_F
ClientSampleId :
SB-8(18-20)

Tgt Ion:264 Resp: 1195412

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.9	17.4	26.0



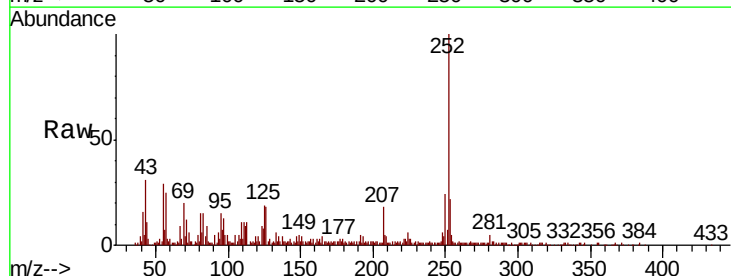
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



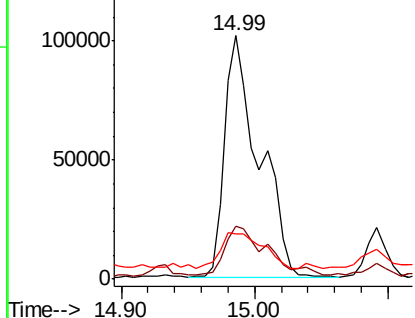
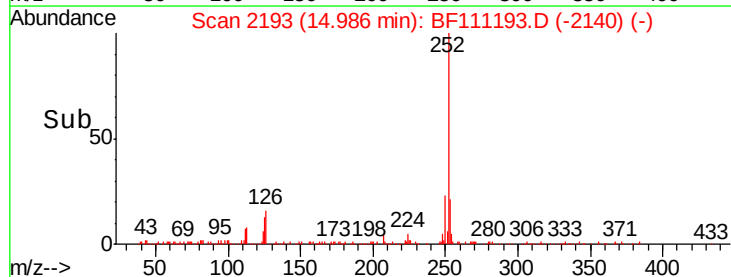
#88
Benzo(b)fluoranthene
Concen: 2.722 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111193.D
Acq: 7 Dec 2018 18:10

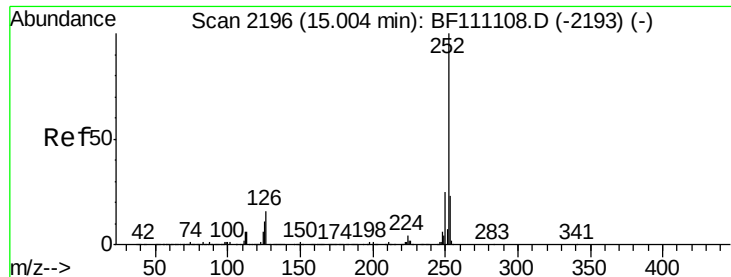
Tgt Ion:252 Resp: 184378

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	18.5	9.9	14.9#



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





#89

Benzo(k)fluoranthene

Concen: 2.816 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF111193.D

Acq: 7 Dec 2018 18:10

Instrument :

BNA_F

ClientSampleId :

SB-8(18-20)

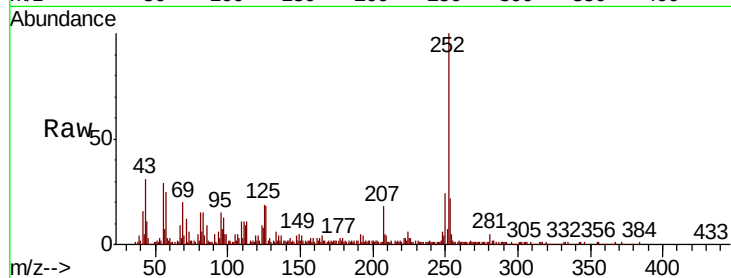
Tgt Ion: 252 Resp: 184378

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

125 18.5 9.9 14.9#



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

