

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111159.D
 Acq On : 7 Dec 2018 00:55
 Operator : JU/SJ
 Sample : J6188-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 02:10:59 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	518699	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2043129	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	954200	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1386310	20.00	ng	0.00
76) Chrysene-d12	13.96	240	963732	20.00	ng	0.00
87) Perylene-d12	15.39	264	810537	20.00	ng	0.01

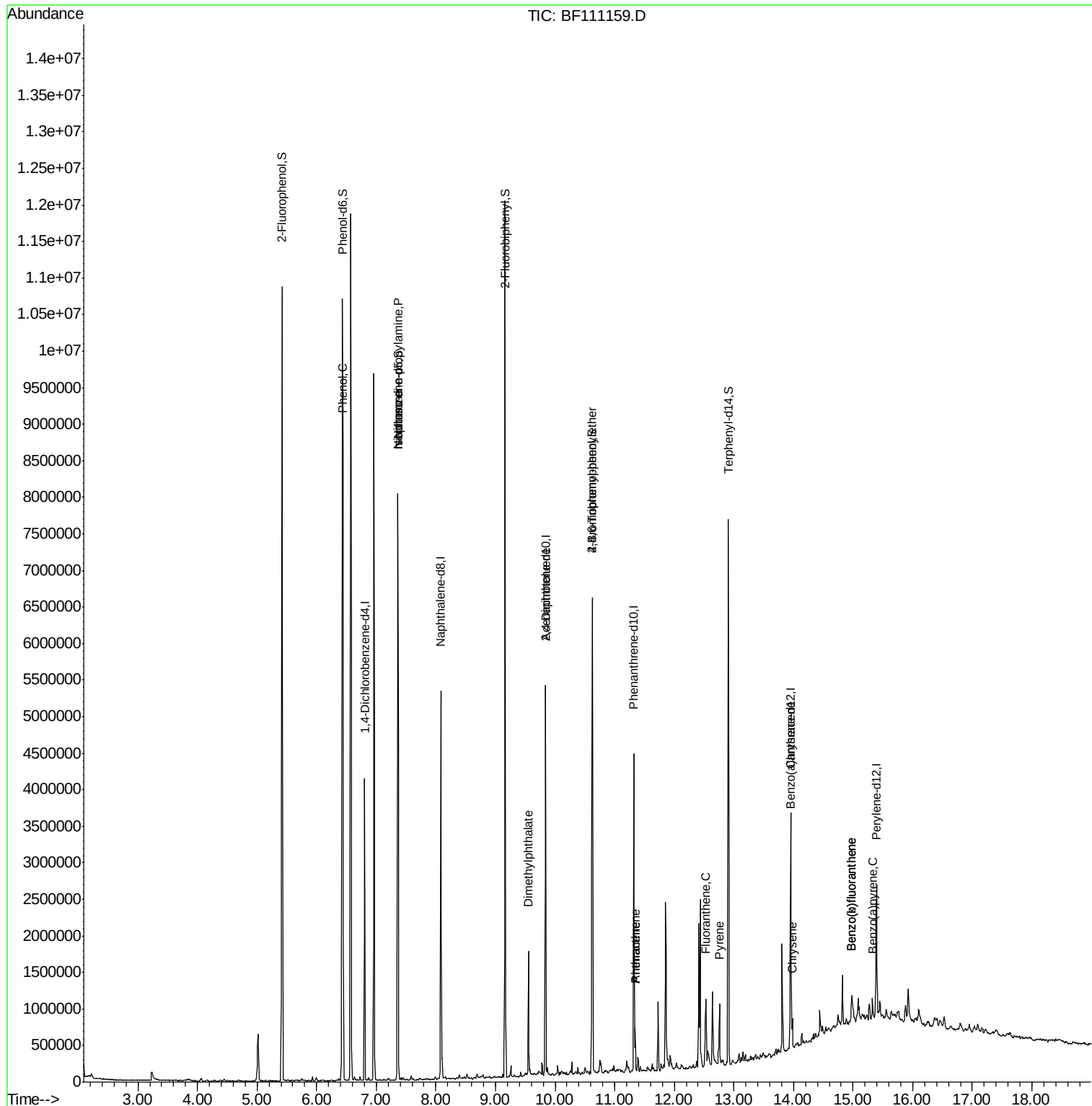
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	2938596	88.40	ng	0.00
7) Phenol-d6	6.43	99	3788247	88.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	2386430	69.15	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	683999	90.18	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	3456638	63.40	ng	0.00
79) Terphenyl-d14	12.91	244	2241680	47.64	ng	0.00

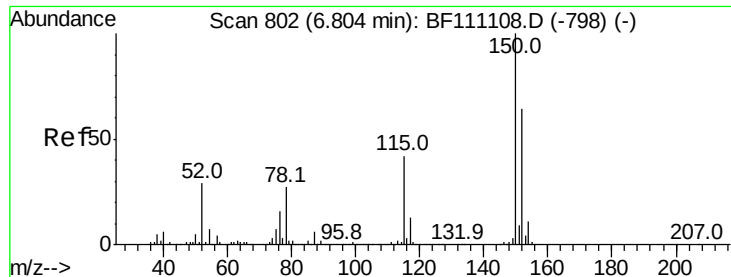
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	9519	Below Cal		# 1
10) Phenol	6.45	94	284641	6.097	ng	97
19) n-Nitroso-di-n-propylamine	7.36	70	326375	11.342	ng	# 75
25) Isophorone	7.36	82	2374604	37.493	ng	# 65
50) Dimethylphthalate	9.56	163	651779	9.815	ng	# 95
57) 2,4-Dinitrotoluene	9.84	165	124372	6.840	ng	# 23
67) 4-Bromophenyl-phenylether	10.63	248	45162	3.077	ng	# 1
71) Phenanthrene	11.35	178	191952	2.879	ng	96
72) Anthracene	11.35	178	191952	2.856	ng	97
75) Fluoranthene	12.53	202	336848	5.162	ng	93
77) Benzydine	12.83	184	1419	Below Cal		# 1
78) Pvrene	12.76	202	309540	4.123	ng	96
81) Benzo(a)anthracene	13.94	228	183857	3.256	ng	97
83) Chrysene	13.98	228	152708	2.724	ng	94
88) Benzo(b)fluoranthene	14.98	252	258449	5.627	ng	# 94
89) Benzo(k)fluoranthene	14.98	252	258449	5.821	ng	# 94
90) Benzo(a)pyrene	15.33	252	127800	3.034	ng	# 93

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

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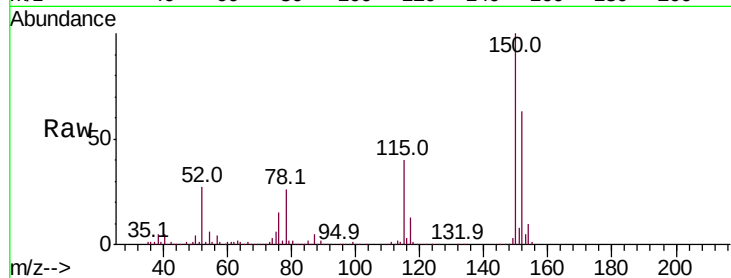




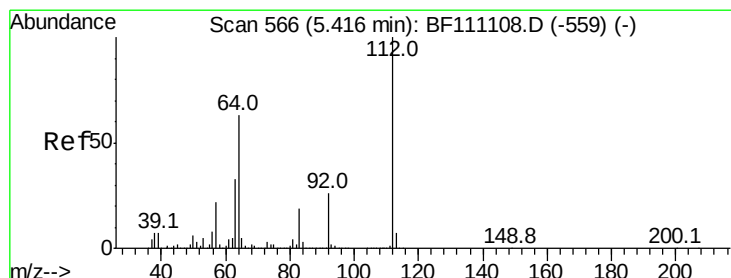
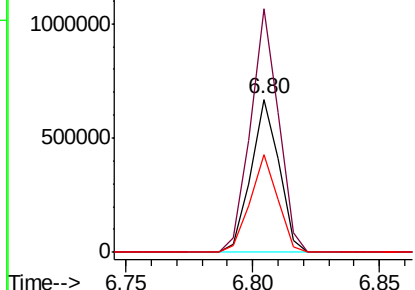
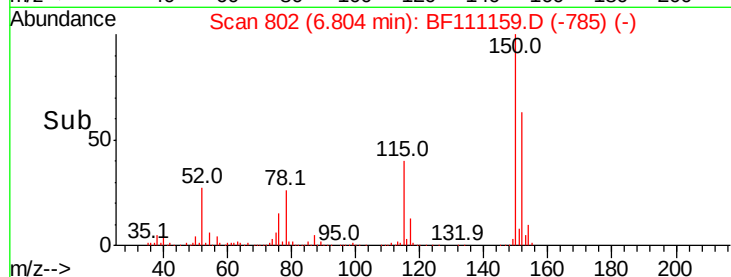
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 518699
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.6 187.0
 115 64.2 52.2 78.2

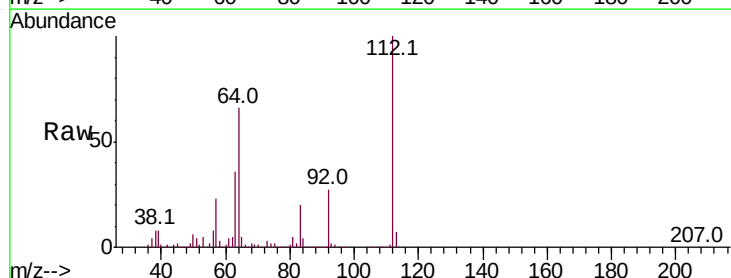


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

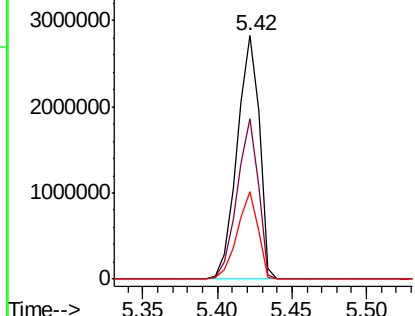
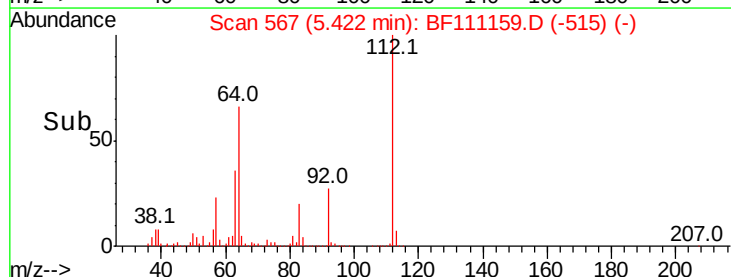


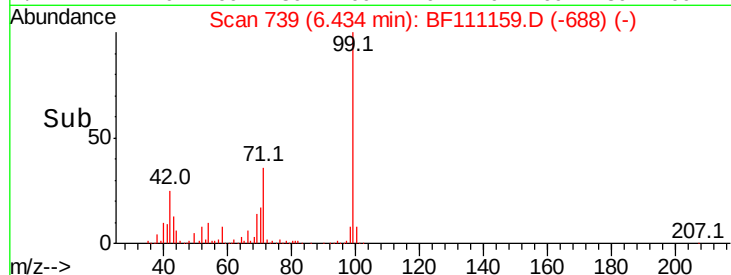
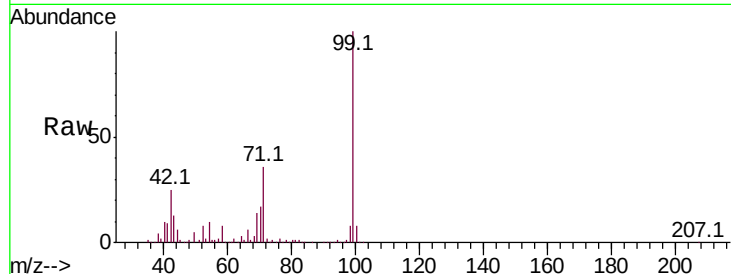
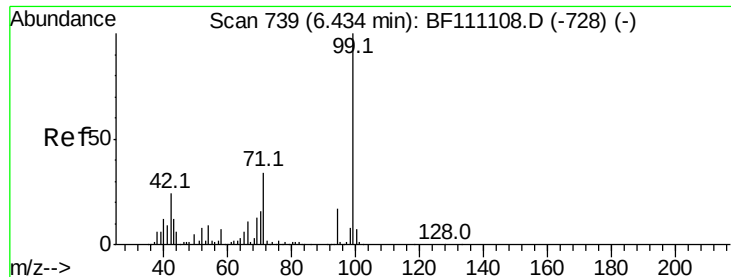
#5
 2-Fluorophenol
 Concen: 88.405 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Tgt Ion:112 Resp: 2938596
 Ion Ratio Lower Upper
 112 100
 64 65.7 50.2 75.4
 63 36.0 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: 88.471 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

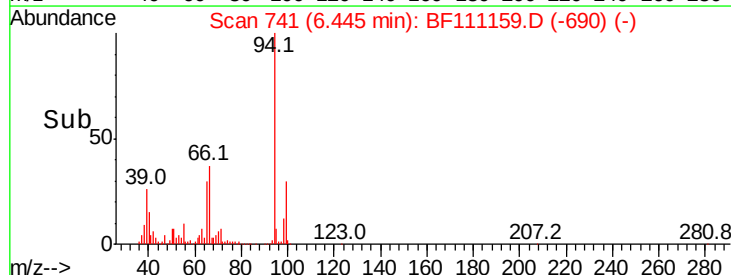
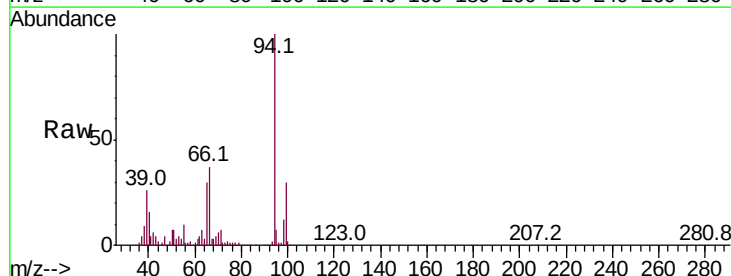
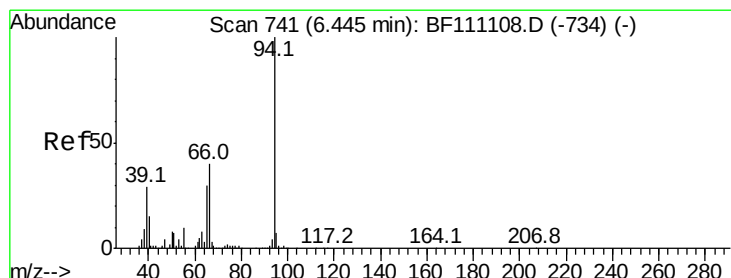
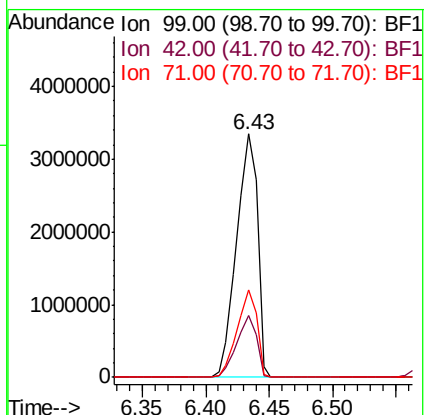
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3788247

Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.3	28.9
71	36.0	27.4	41.2



#10

Phenol

Concen: 6.097 ng

RT: 6.45 min Scan# 741

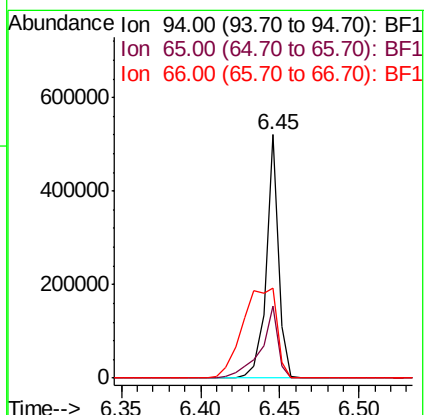
Delta R.T. 0.00 min

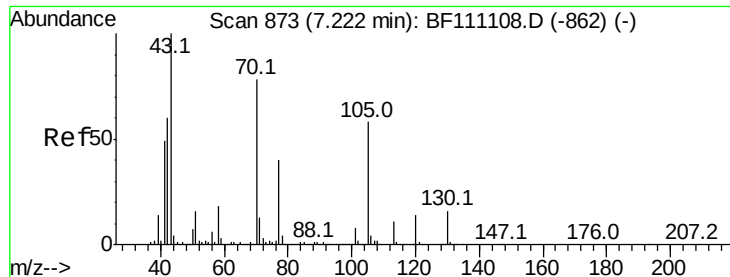
Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Tgt Ion: 94 Resp: 284641

Ion	Ratio	Lower	Upper
94	100		
65	29.6	10.5	50.5
66	37.1	19.8	59.8





#19

n-Nitroso-di-n-propylamine

Concen: 11.342 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 326375

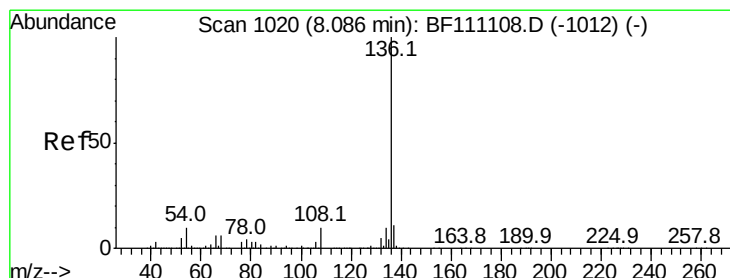
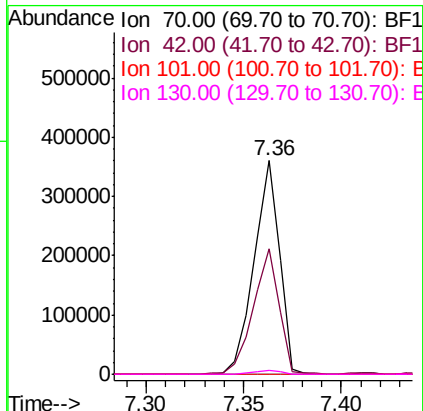
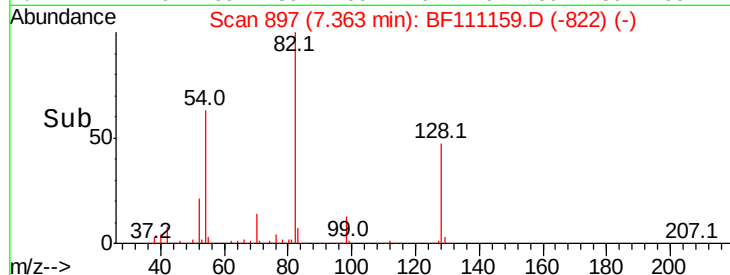
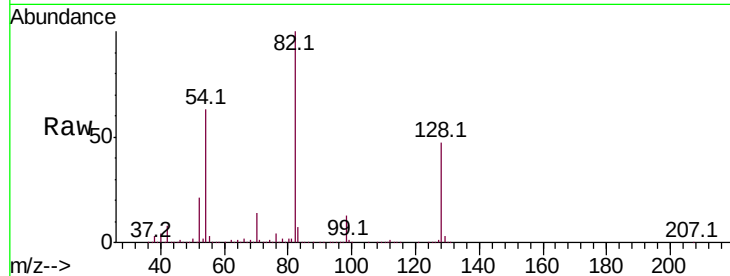
Ion Ratio Lower Upper

70 100

42 58.7 61.3 91.9#

101 0.0 7.7 11.5#

130 1.6 16.3 24.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Tgt Ion:136 Resp: 2043129

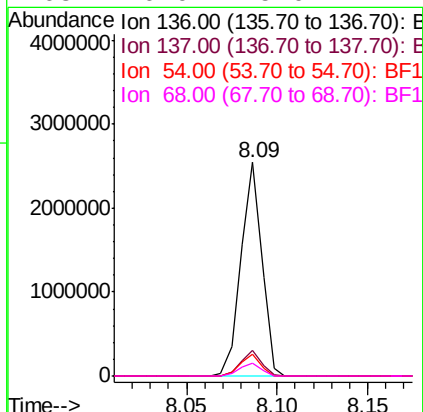
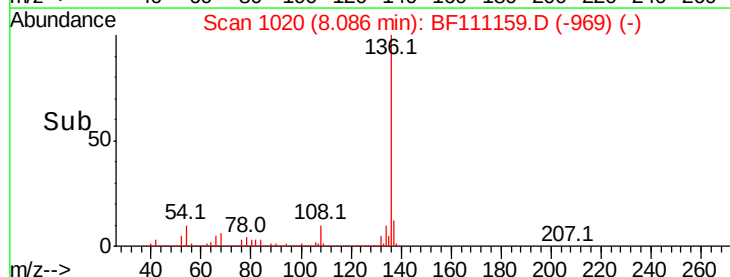
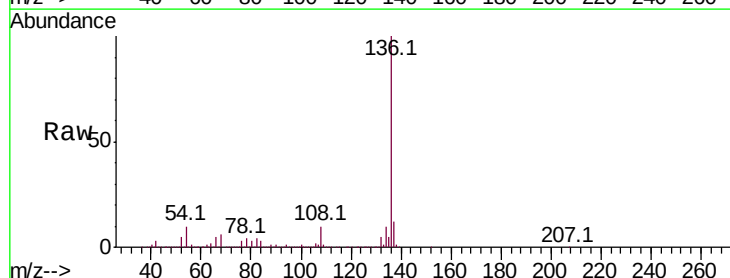
Ion Ratio Lower Upper

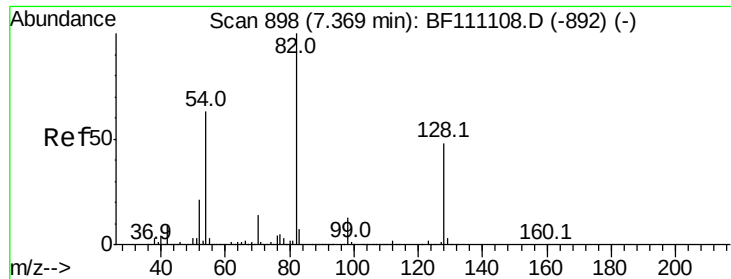
136 100

137 11.9 9.0 13.6

54 10.0 8.4 12.6

68 6.0 5.0 7.4



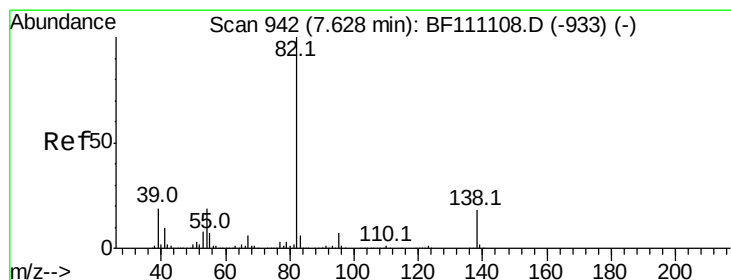
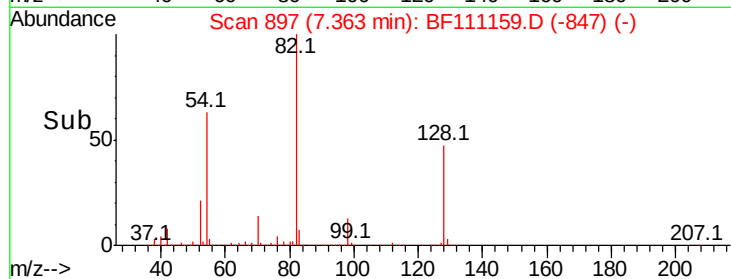
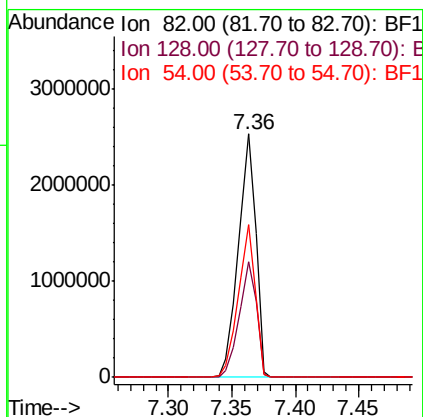
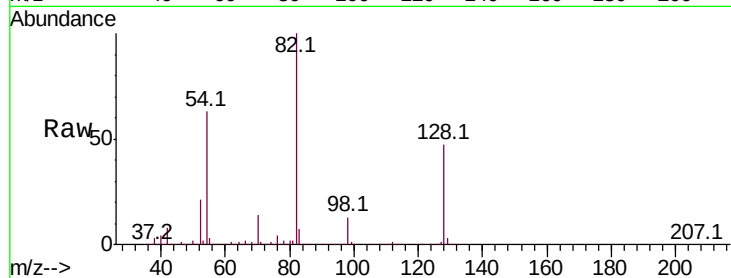


#23
 Nitrobenzene-d5
 Concen: 69.151 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 2386430

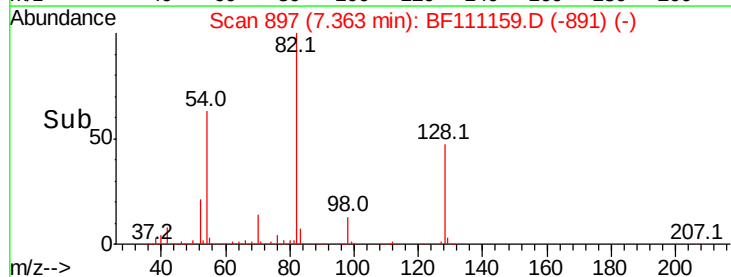
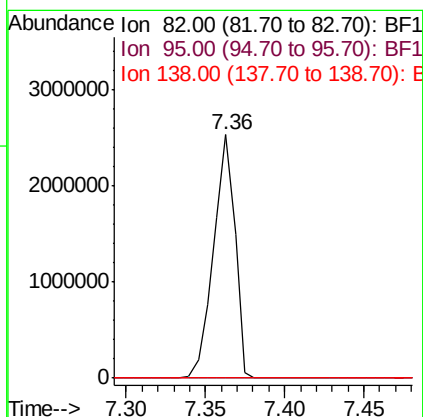
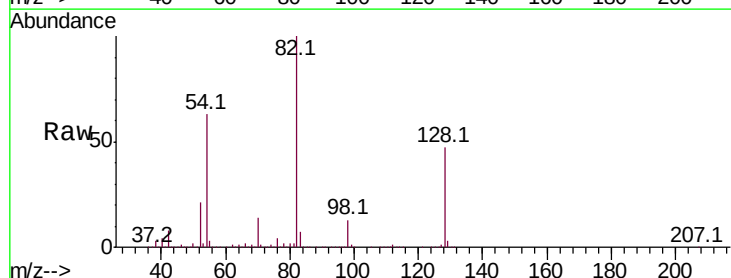
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.1	57.1
54	62.8	50.3	75.5

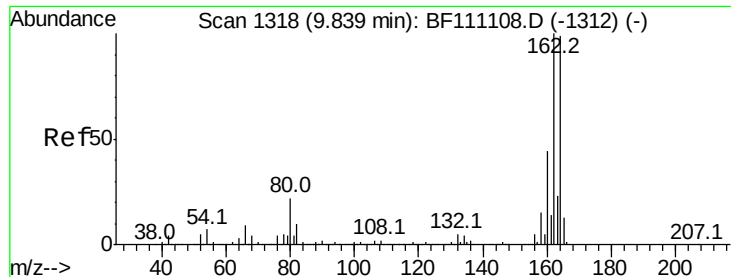


#25
 Isophorone
 Concen: 37.493 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Tgt Ion: 82 Resp: 2374604

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

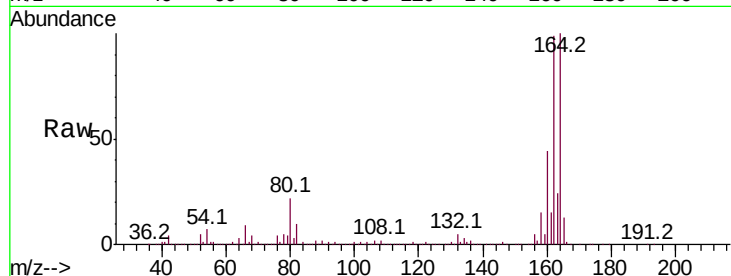




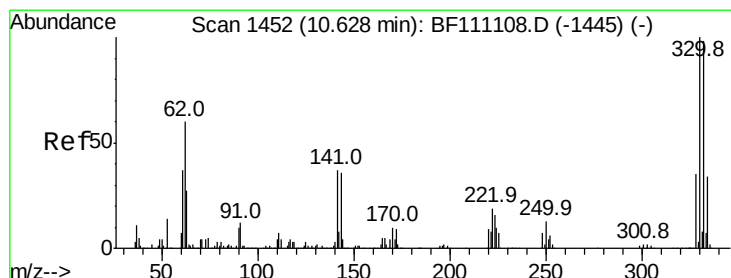
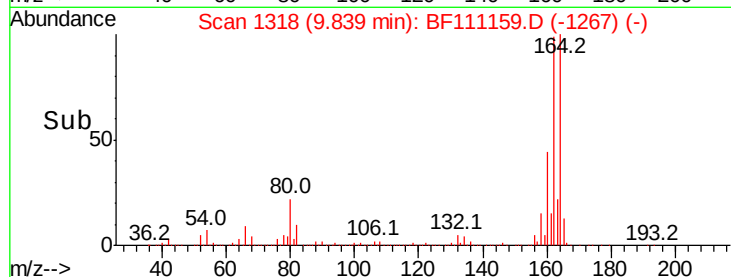
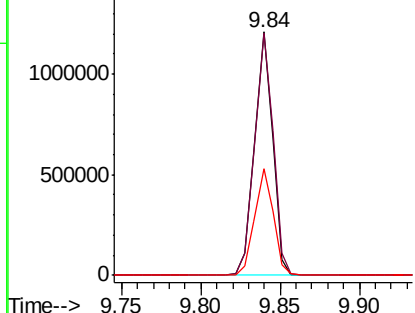
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 954200
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.6 120.8
 160 43.6 35.5 53.3

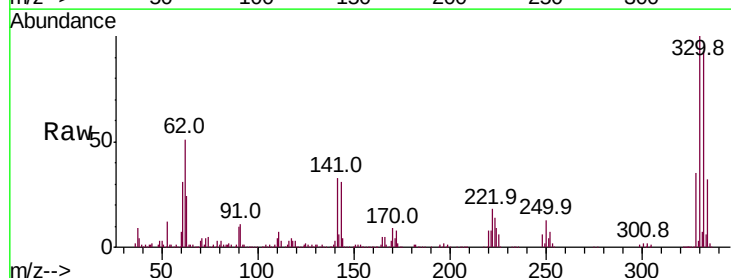


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

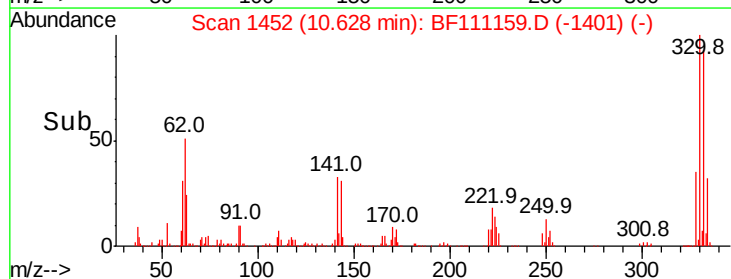
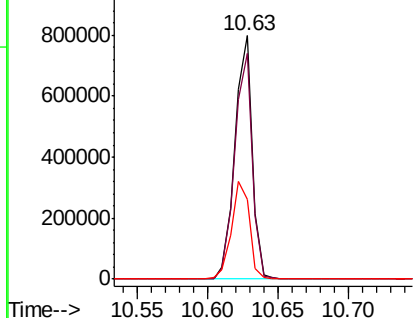


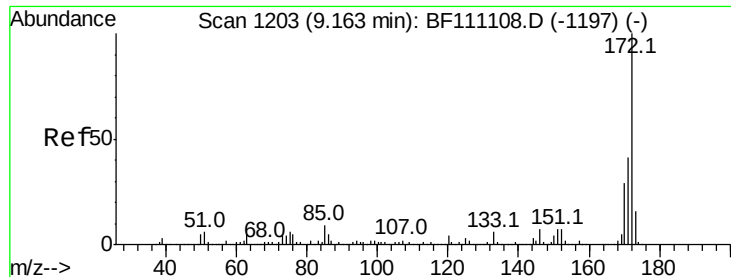
#42
 2,4,6-Tribromophenol
 Concen: 90.180 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Tgt Ion:330 Resp: 683999
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.2 115.8
 141 41.9 36.1 54.1



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

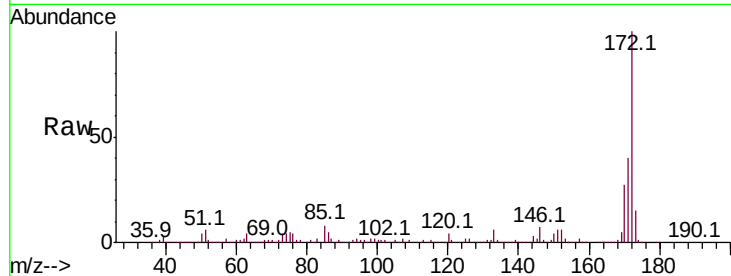




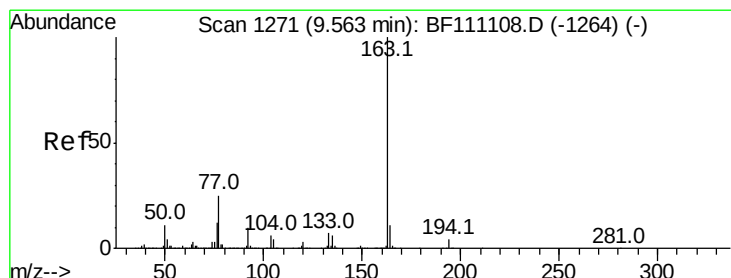
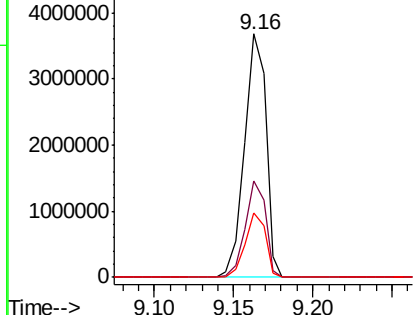
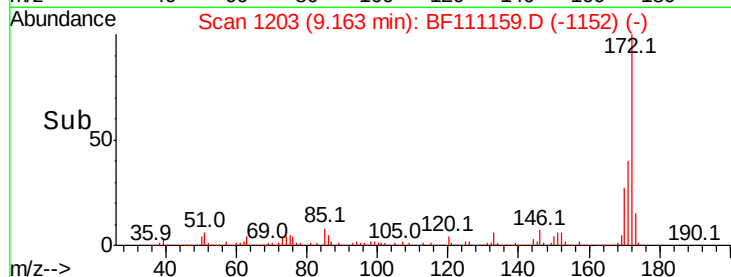
#45
2-Fluorobiphenyl
Concen: 63.403 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 3456638
Ion Ratio Lower Upper
172 100
171 39.7 33.2 49.8
170 26.7 22.9 34.3

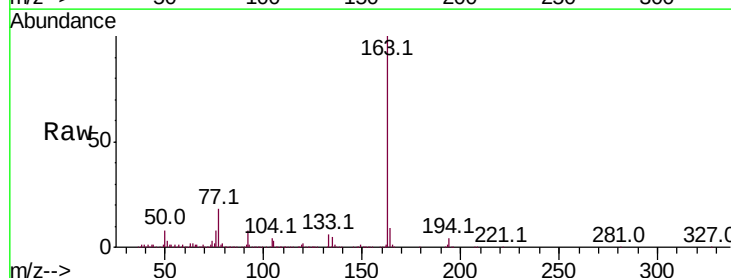


Abundance Ion 172.00 (171.70 to 172.70): E
5000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

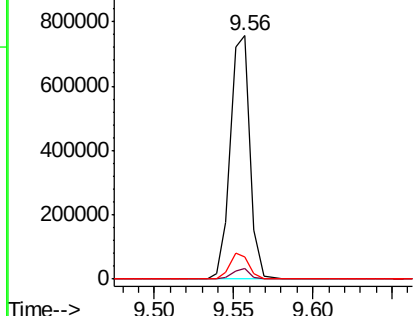
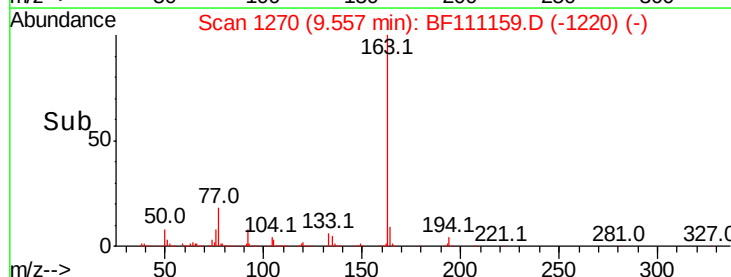


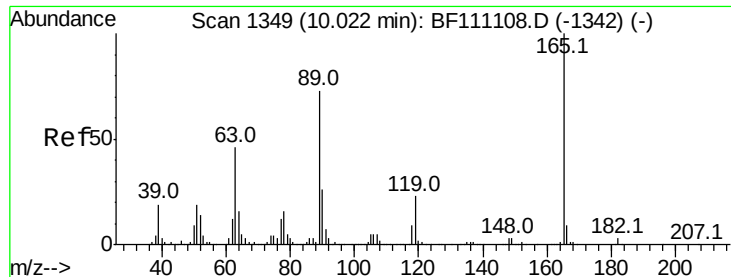
#50
Dimethylphthalate
Concen: 9.815 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

Tgt Ion:163 Resp: 651779
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.4
164 8.9 8.9 13.3#



Abundance Ion 163.00 (162.70 to 163.70): E
1000000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 6.840 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.18 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 124372

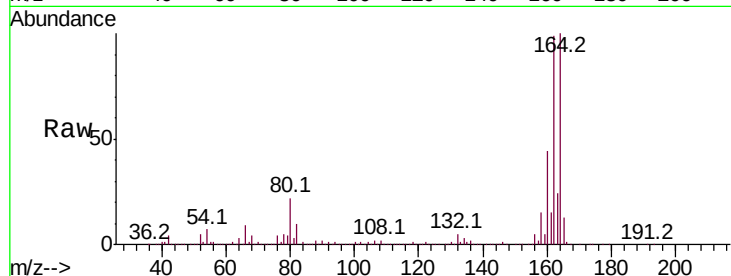
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 1.2 58.4 87.6#

182 0.0 2.1 3.1#

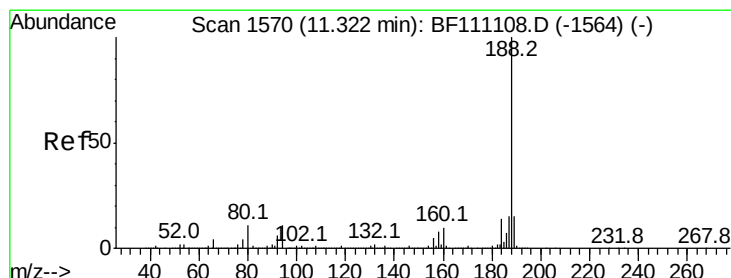
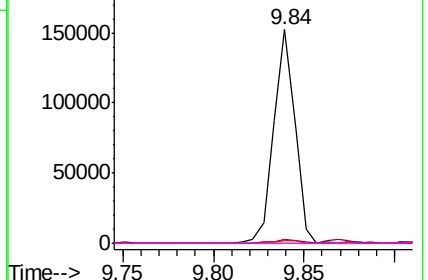
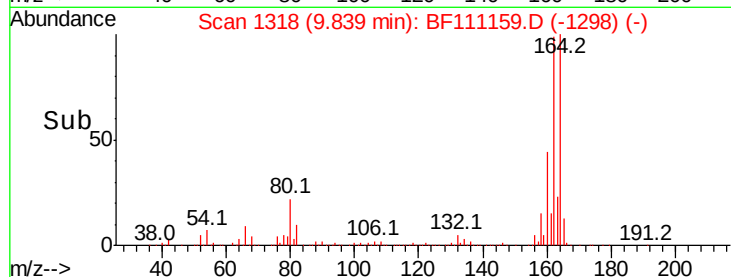


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111159.D

Acq: 7 Dec 2018 00:55

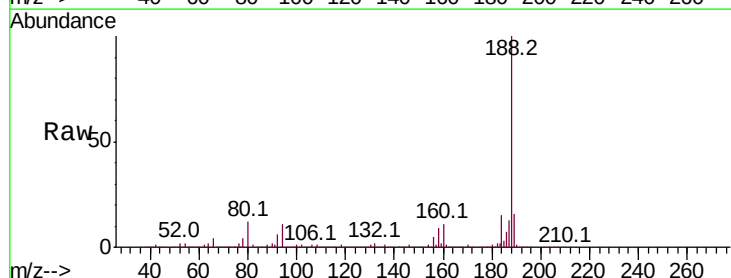
Tgt Ion:188 Resp: 1386310

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

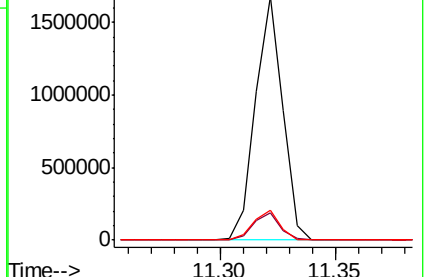
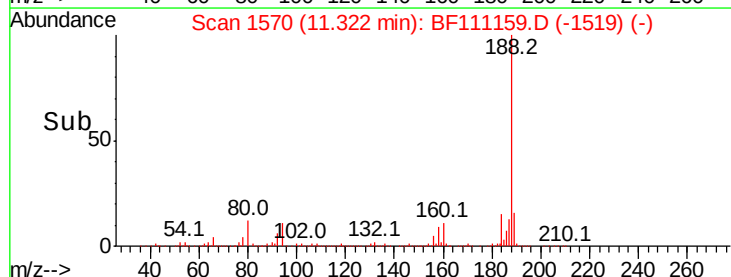
80 12.4 9.0 13.6

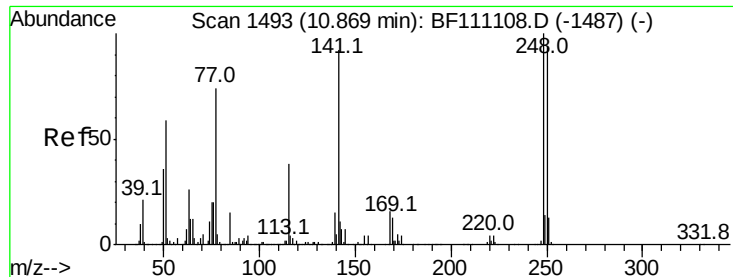


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

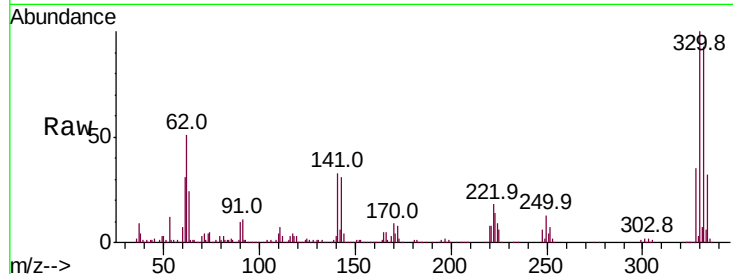




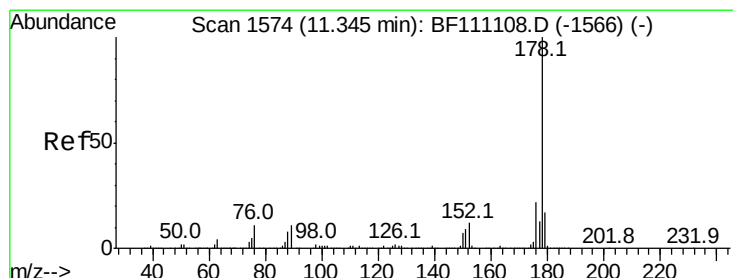
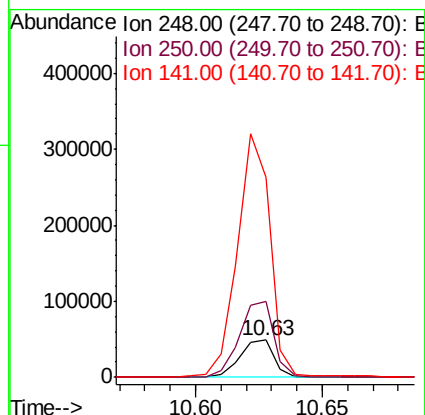
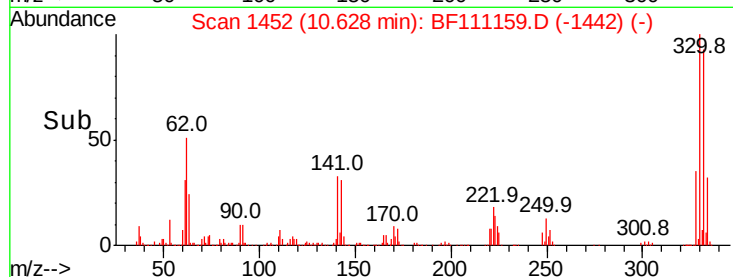
#67
 4-Bromophenyl-phenylether
 Concen: 3.077 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 45162
 Ion Ratio Lower Upper
 248 100
 250 206.6 75.4 113.0#
 141 541.0 73.8 110.6#

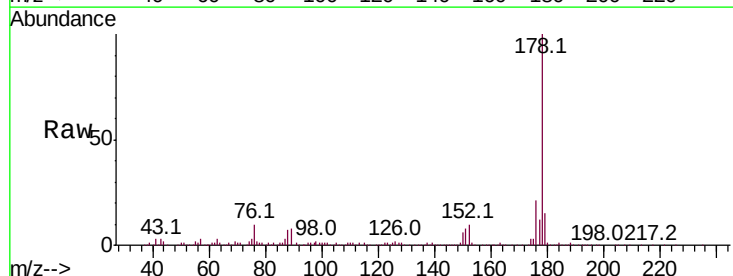


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

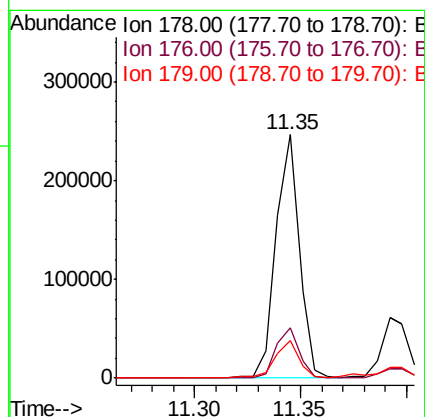
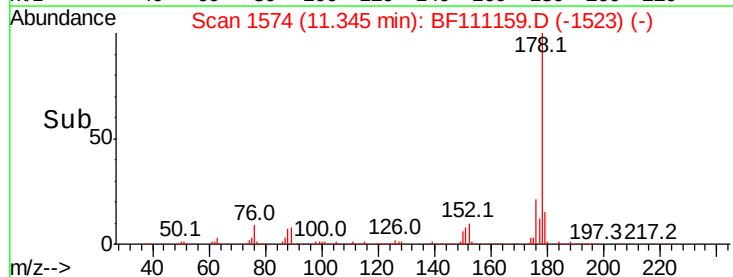


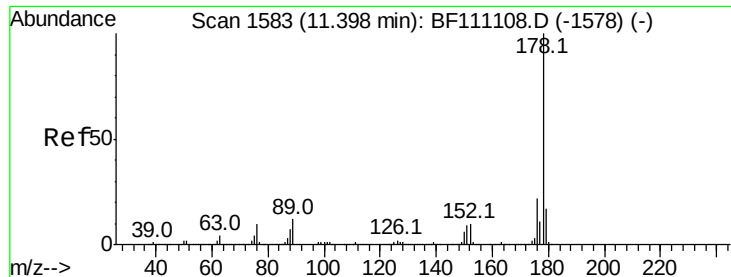
#71
 Phenanthrene
 Concen: 2.879 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Tgt Ion:178 Resp: 191952
 Ion Ratio Lower Upper
 178 100
 176 20.7 17.7 26.5
 179 15.4 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





#72

Anthracene

Concen: 2.856 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.05 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Instrument :

BNA_F

ClientSampleId :

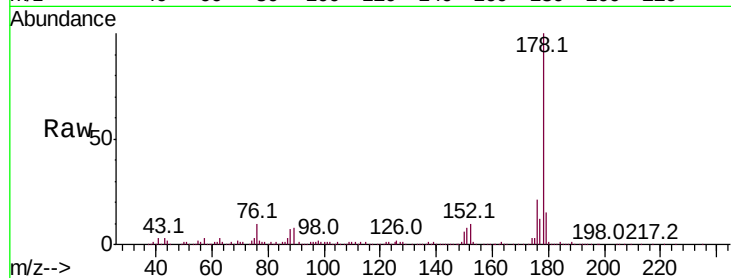
Tot Ion:178 Resp: 191952

Ion Ratio Lower Upper

178 100

176 20.7 17.3 25.9

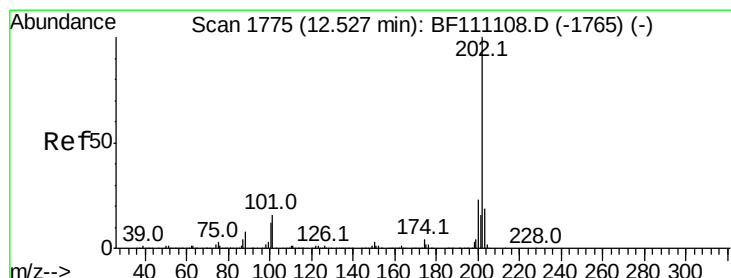
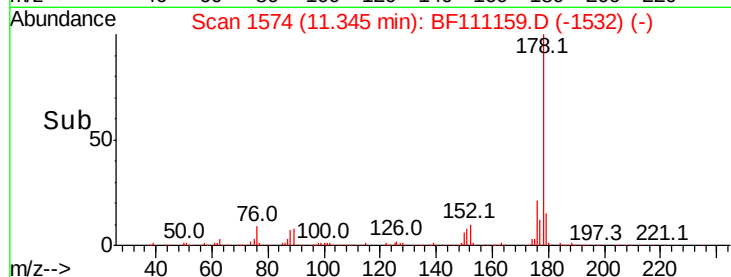
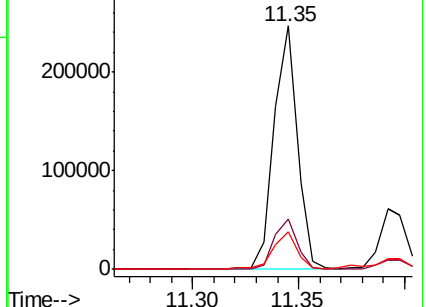
179 15.4 13.8 20.8



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: 5.162 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

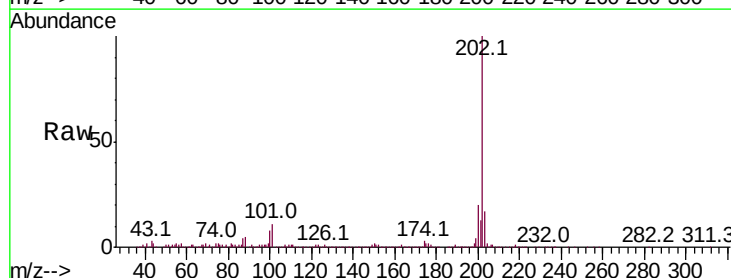
Tgt Ion:202 Resp: 336848

Ion Ratio Lower Upper

202 100

101 11.3 0.0 35.8

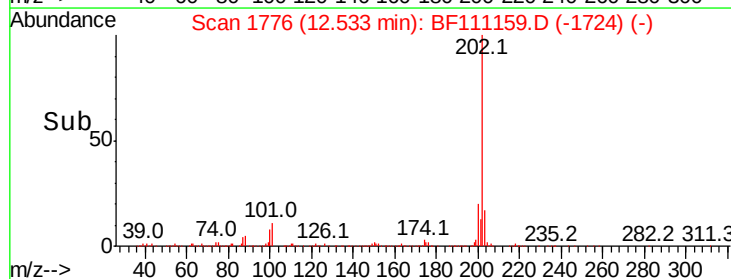
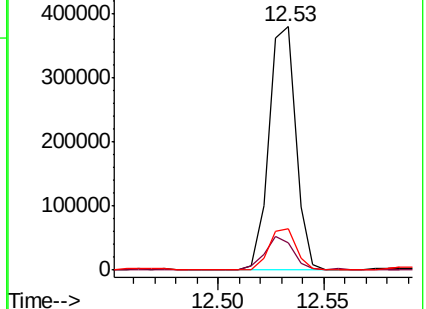
203 17.1 0.0 38.6

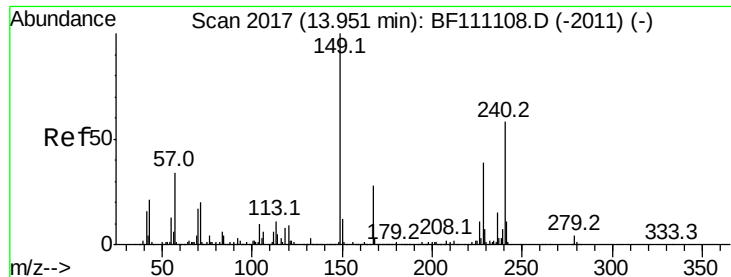


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF111159.D

Acq: 7 Dec 2018 00:55

Instrument :

BNA_F

ClientSampleId :

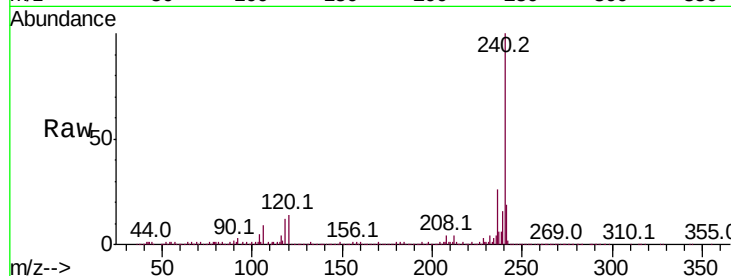
Tot Ion:240 Resp: 963732

Ion Ratio Lower Upper

240 100

120 13.7 12.8 19.2

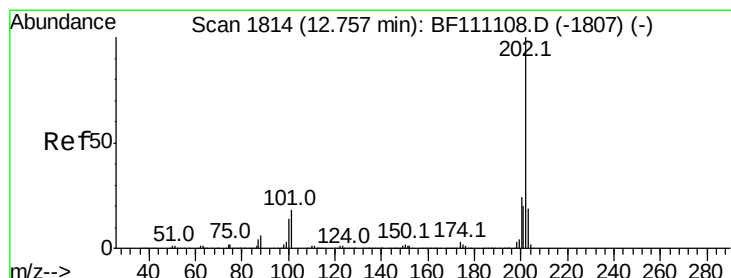
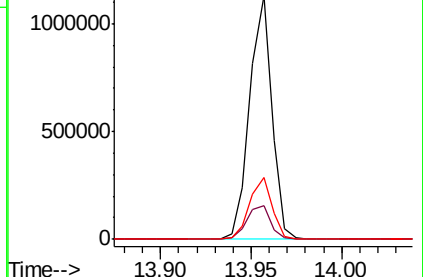
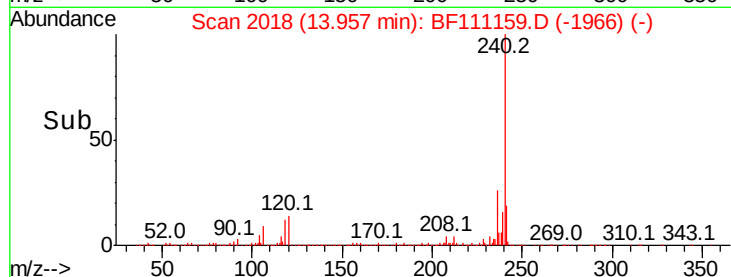
236 25.5 21.1 31.7



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: 4.123 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

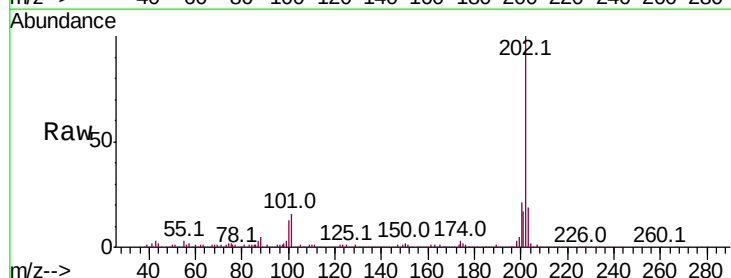
Tgt Ion:202 Resp: 309540

Ion Ratio Lower Upper

202 100

200 20.8 19.3 28.9

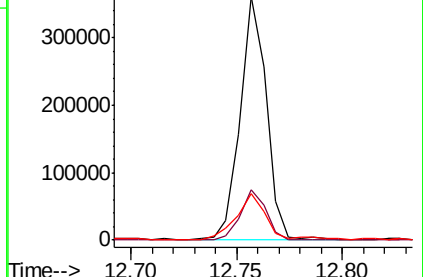
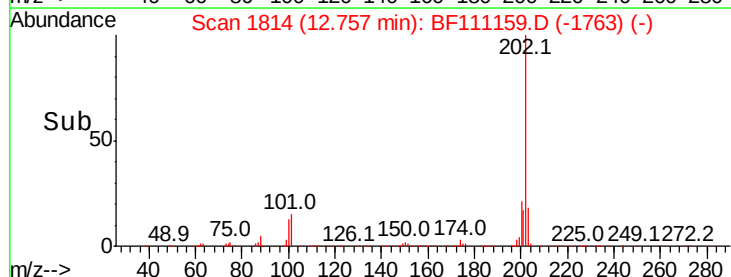
203 18.8 15.4 23.2

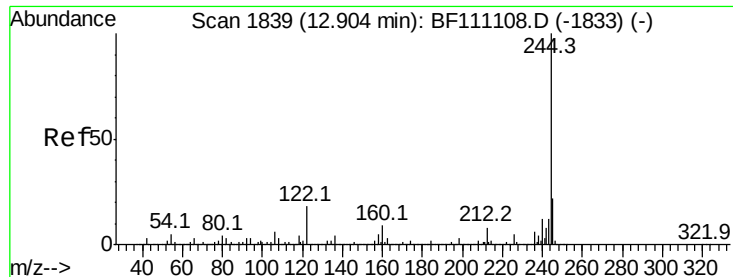


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 47.637 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

Instrument :

BNA_F

ClientSampleId :

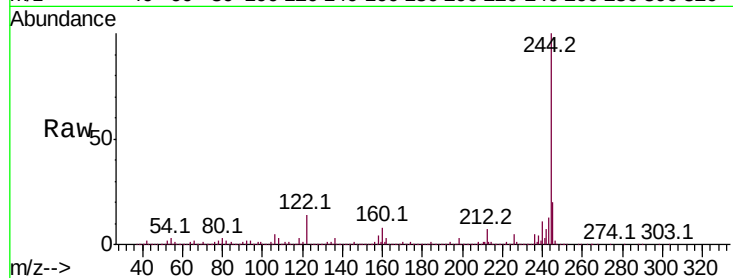
Tot Ion:244 Resp: 2241680

Ion Ratio Lower Upper

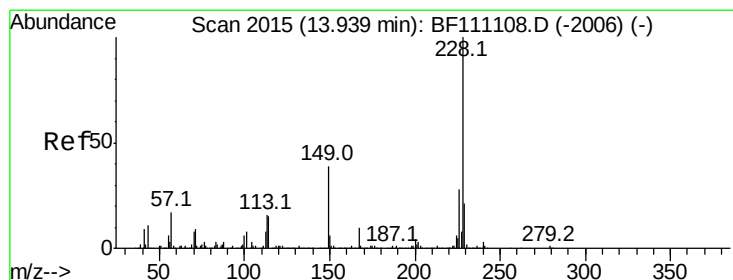
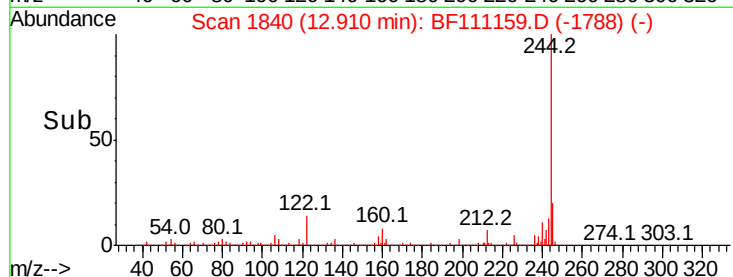
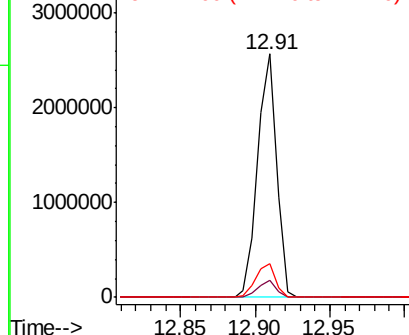
244 100

212 7.2 6.6 9.8

122 13.9 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



#81

Benzo(a)anthracene

Concen: 3.256 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111159.D

Acq: 7 Dec 2018 00:55

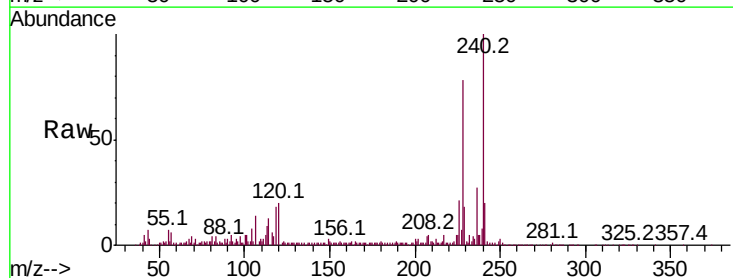
Tgt Ion:228 Resp: 183857

Ion Ratio Lower Upper

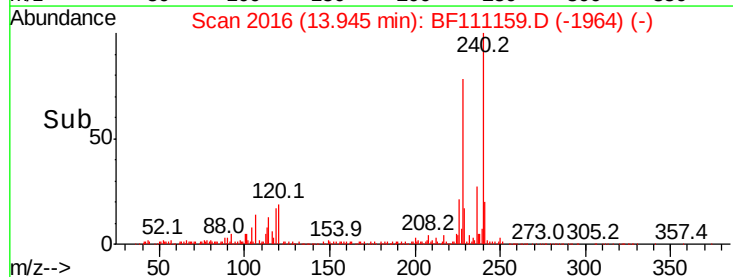
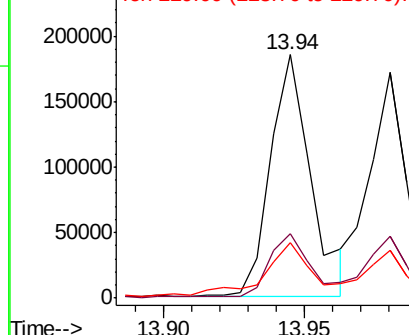
228 100

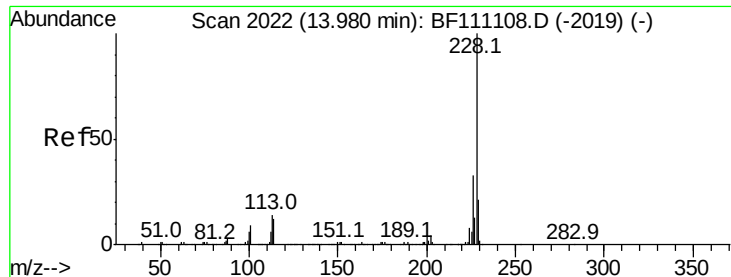
226 26.7 22.6 34.0

229 22.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

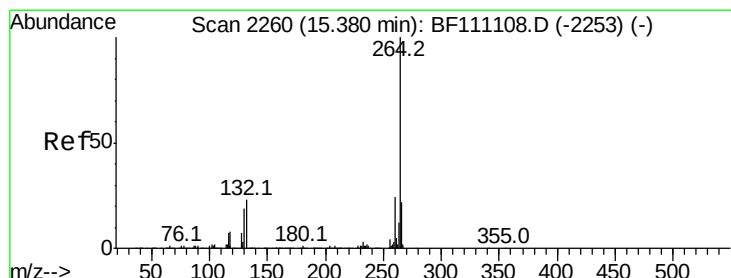
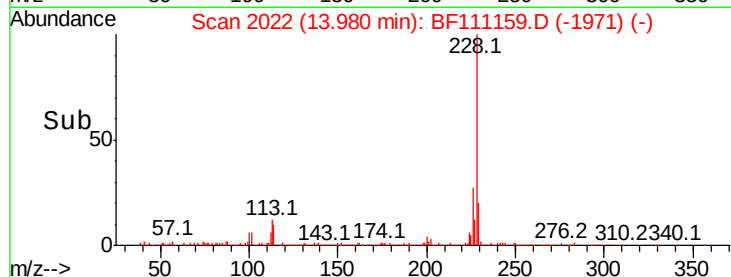
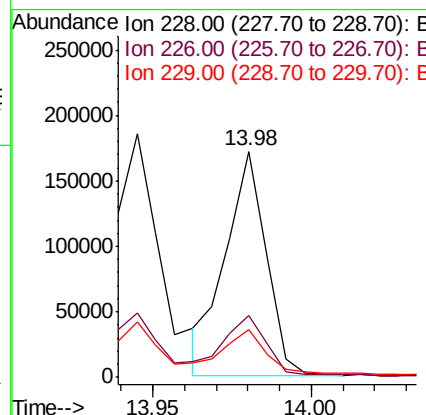
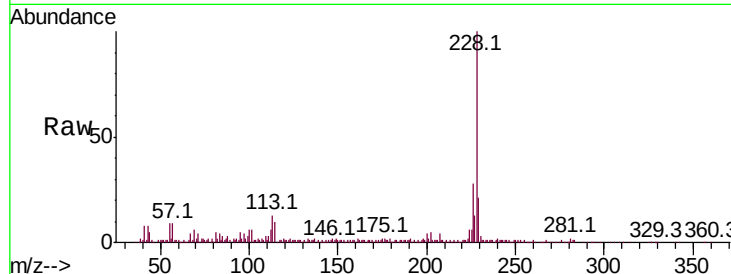




#83
Chrysene
Concen: 2.724 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

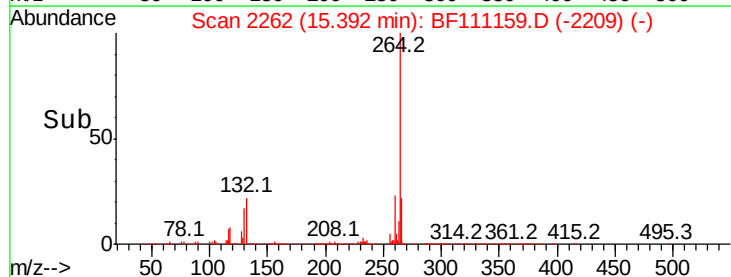
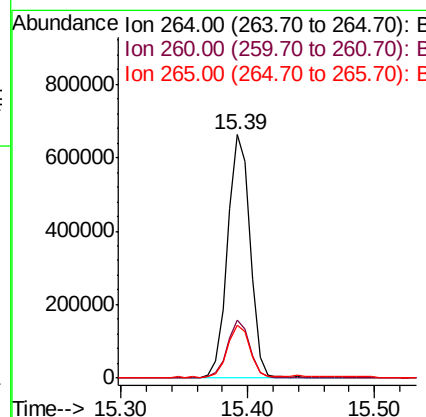
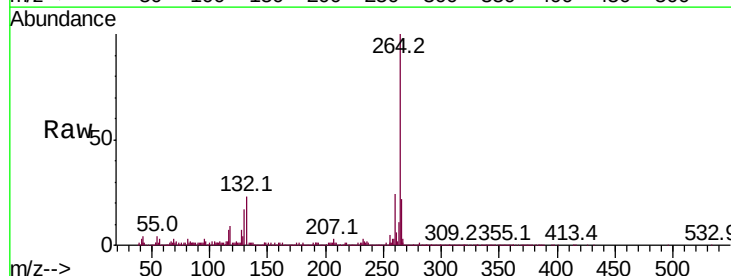
Instrument :
BNA_F
ClientSampleId :

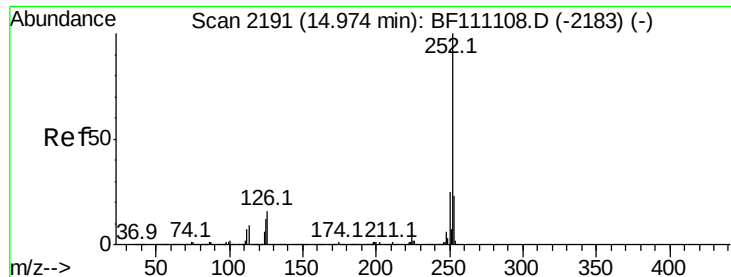
Tot Ion:228 Resp: 152708
Ion Ratio Lower Upper
228 100
226 27.6 26.2 39.2
229 20.9 16.9 25.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

Tgt Ion:264 Resp: 810537
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.0
265 21.9 17.4 26.0

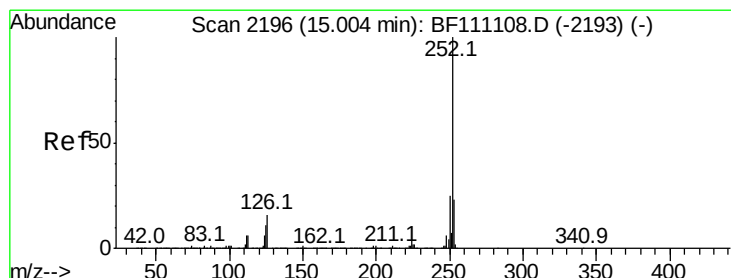
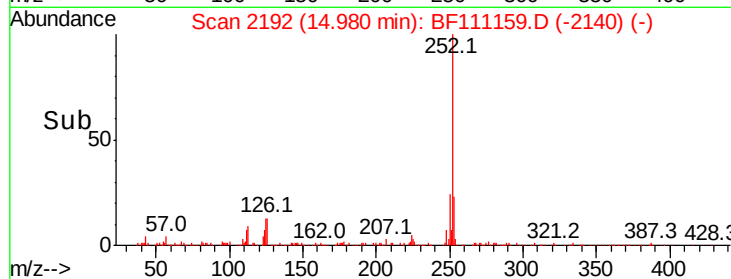
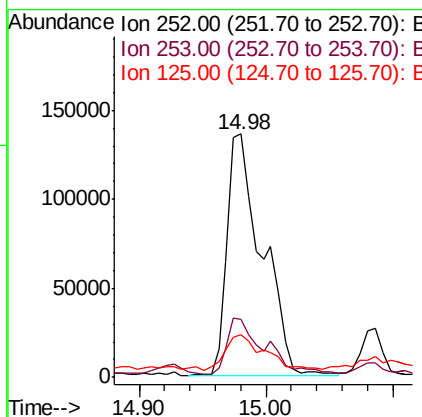
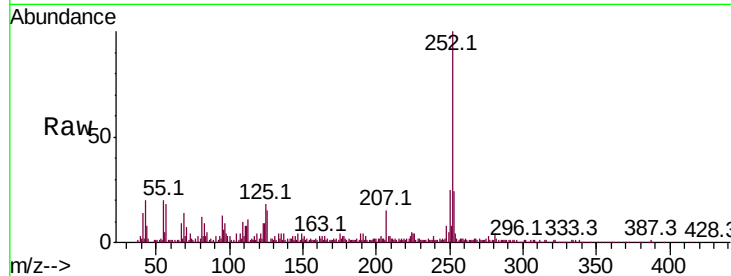




#88
Benzo(b)fluoranthene
Concen: 5.627 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

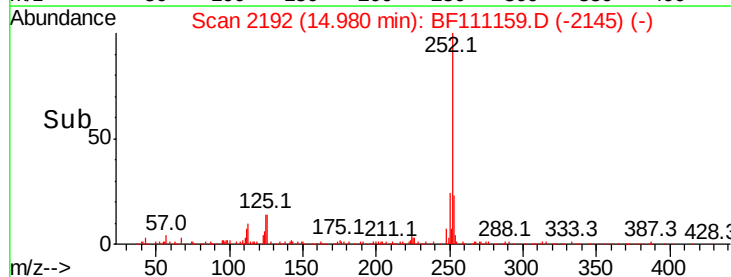
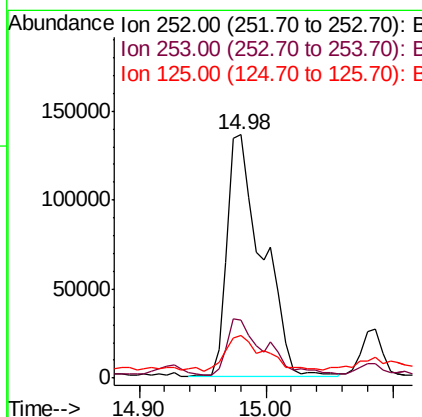
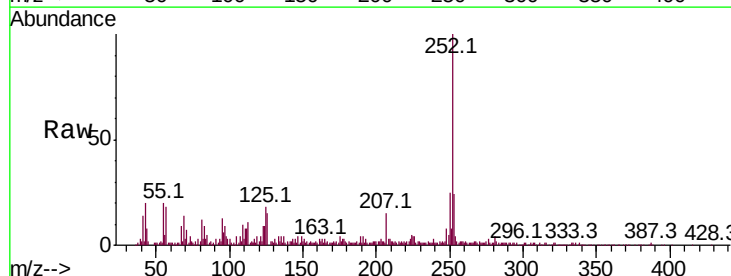
Instrument :
BNA_F
ClientSampleId :

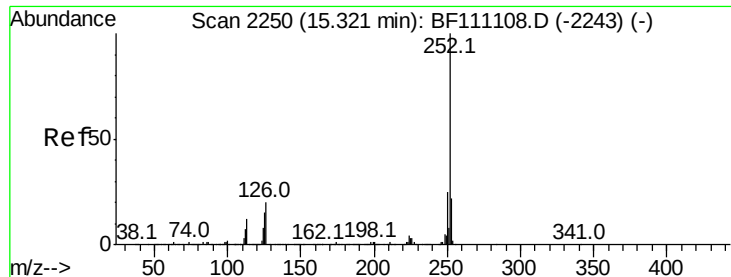
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	17.5	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 5.821 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111159.D
Acq: 7 Dec 2018 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	17.5	9.9	14.9#

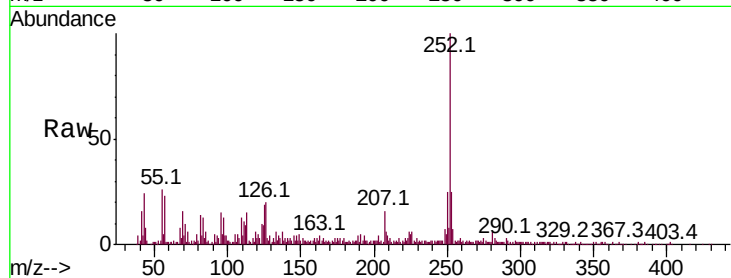




#90
 Benzo(a)pyrene
 Concen: 3.034 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF111159.D
 Acq: 7 Dec 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	18.9	12.4	18.6



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

