

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113836.D
 Acq On : 19 Apr 2019 00:23
 Operator : JU/SJ
 Sample : K2196-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:09:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	153395	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	516062	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	237129	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	497803	20.00	ng	0.00
76) Chrysene-d12	14.04	240	533530	20.00	ng	0.00
87) Perylene-d12	15.52	264	450516	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	410284	44.47	ng	0.00
7) Phenol-d6	6.51	99	491264	42.70	ng	0.00
23) Nitrobenzene-d5	7.45	82	265308	31.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	125463	47.89	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	498404	32.05	ng	0.00
79) Terphenyl-d14	12.99	244	718994	28.26	ng	0.00

Target Compounds

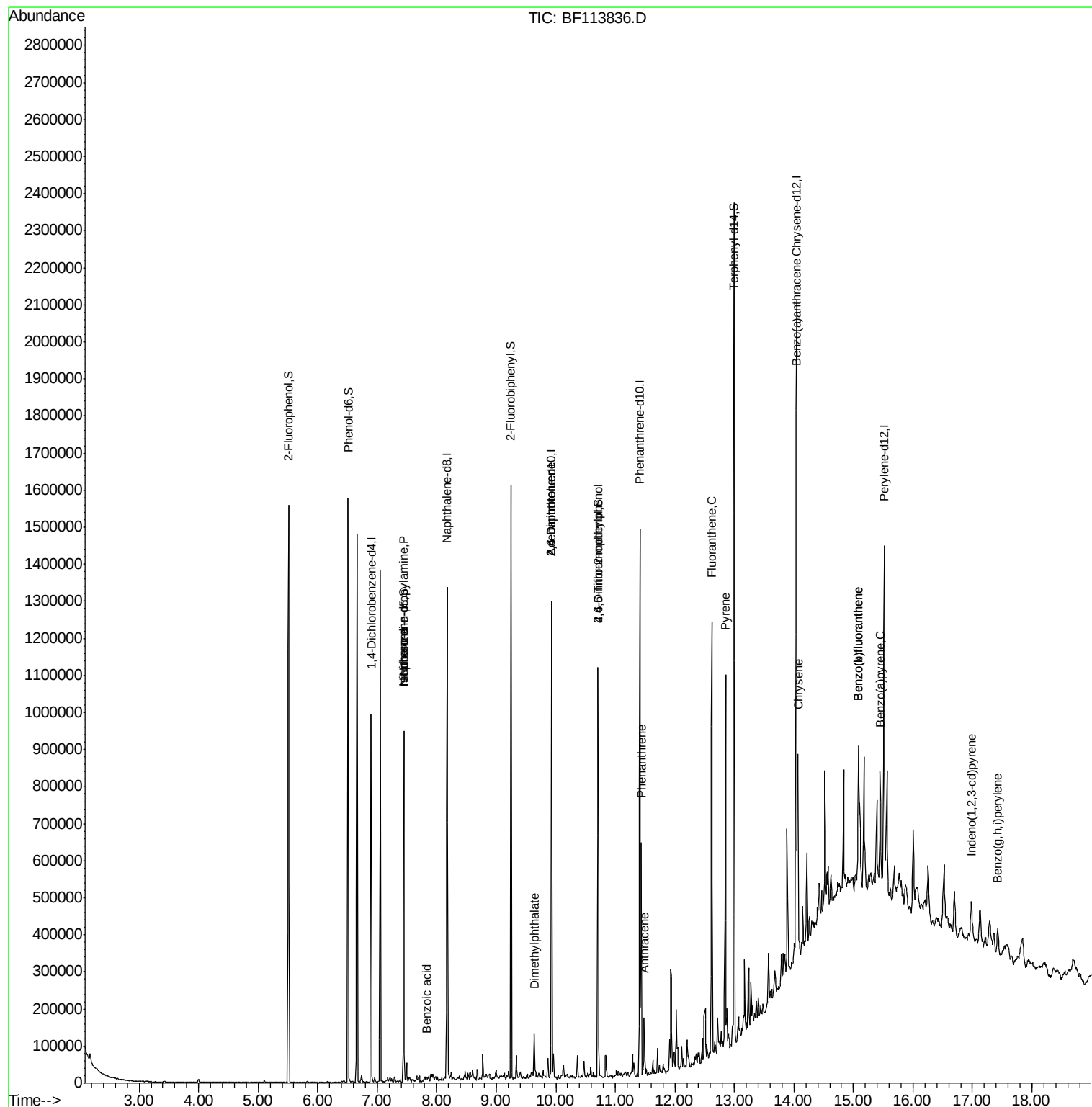
						Qvalue
9) Benzaldehyde	6.51	77	727	Below Cal	#	24
19) n-Nitroso-di-n-propylamine	7.45	70	35328	4.601 ng	#	81
25) Isophorone	7.45	82	265303	15.120 ng	#	65
32) Benzoic acid	7.84	122	213	5.965 ng		91
50) Dimethylphthalate	9.64	163	45280	2.729 ng		99
51) 2,6-Dinitrotoluene	9.93	165	31278	8.540 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	31278	6.884 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.71	198	112	6.974 ng		92
71) Phenanthrene	11.43	178	216739	8.549 ng		97
72) Anthracene	11.49	178	59340	2.323 ng		96
75) Fluoranthene	12.62	202	442446	16.466 ng		97
78) Pyrene	12.85	202	402390	10.702 ng		98
81) Benzo(a)anthracene	14.03	228	232435	7.453 ng		98
83) Chrysene	14.07	228	203093	6.561 ng		97
86) Indeno(1,2,3-cd)pyrene	16.98	276	71007	2.810 ng		96
88) Benzo(b)fluoranthene	15.09	252	292917	10.430 ng	#	94
89) Benzo(k)fluoranthene	15.09	252	292917	11.451 ng	#	95
90) Benzo(a)pyrene	15.45	252	148207	5.968 ng		95
92) Benzo(a,h,i)perylene	17.43	276	68978	3.071 ng		97

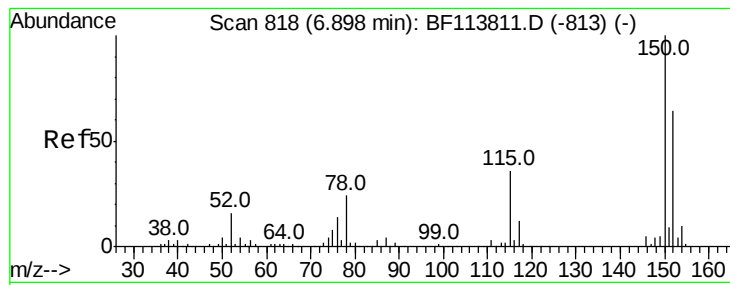
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113836.D
Acq On : 19 Apr 2019 00:23
Operator : JU/SJ
Sample : K2196-05 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 19 02:09:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration



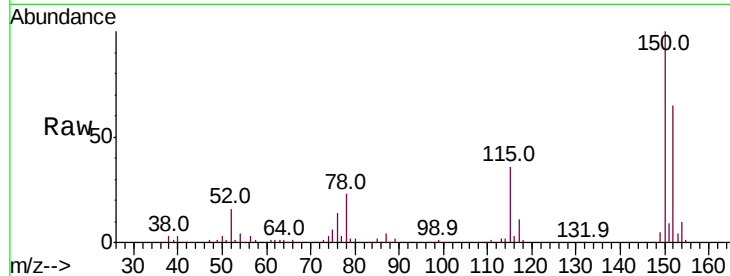


#1

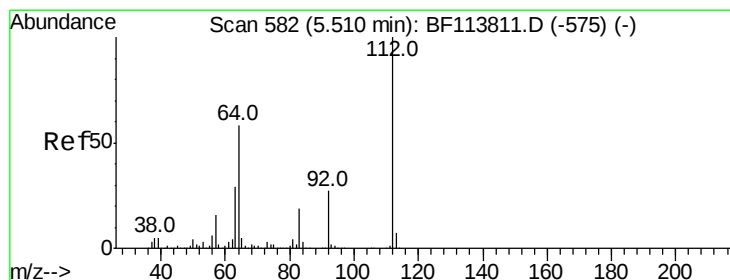
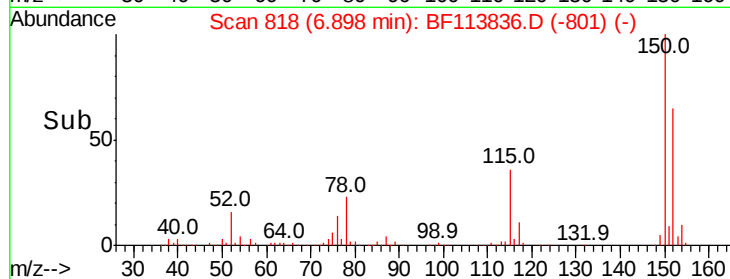
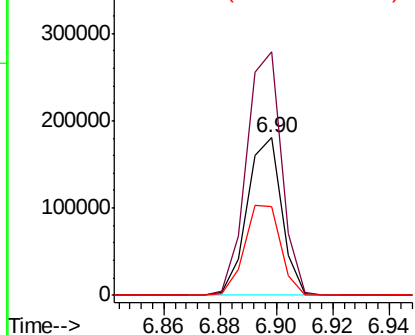
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153395
Ion Ratio Lower Upper
152 100
150 154.8 125.9 188.9
115 56.1 45.9 68.9



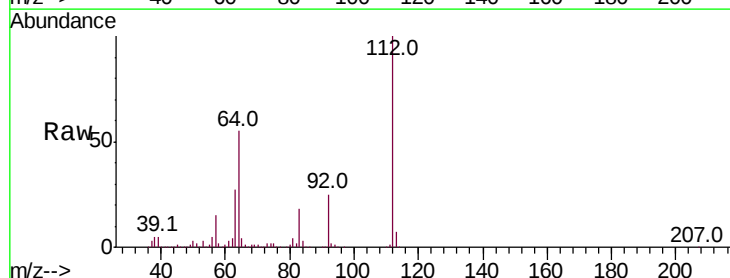
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



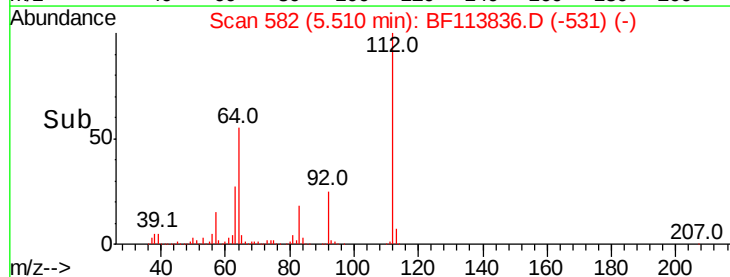
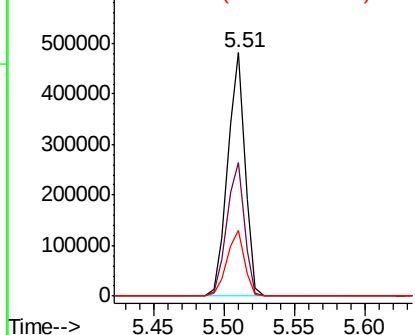
#5

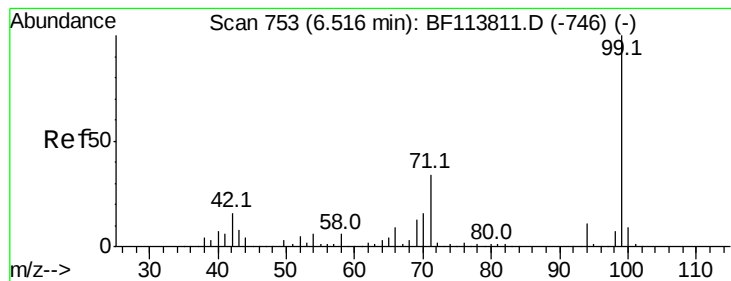
2-Fluorophenol
Concen: 44.474 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion:112 Resp: 410284
Ion Ratio Lower Upper
112 100
64 55.0 46.6 69.8
63 27.2 23.1 34.7



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: 42.702 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

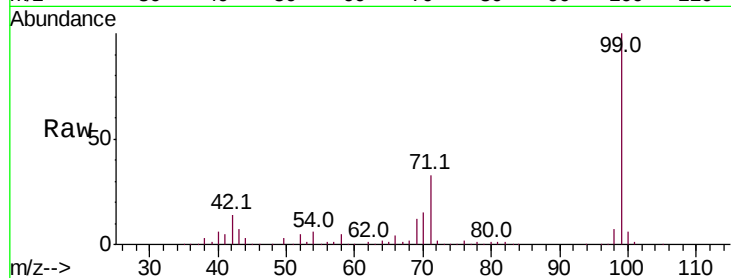
Tot Ion: 99 Resp: 491264

Ion Ratio Lower Upper

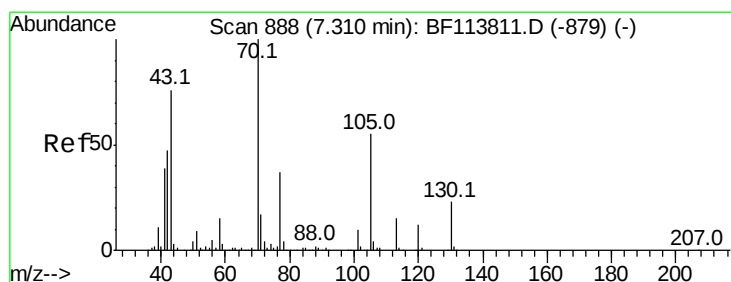
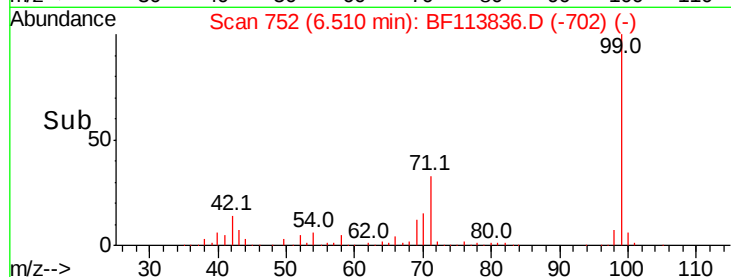
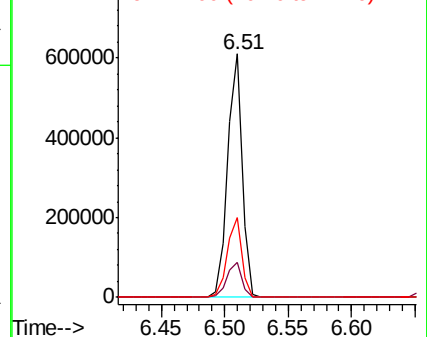
99 100

42 14.4 12.5 18.7

71 32.7 26.9 40.3



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: 4.601 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Tgt Ion: 70 Resp: 35328

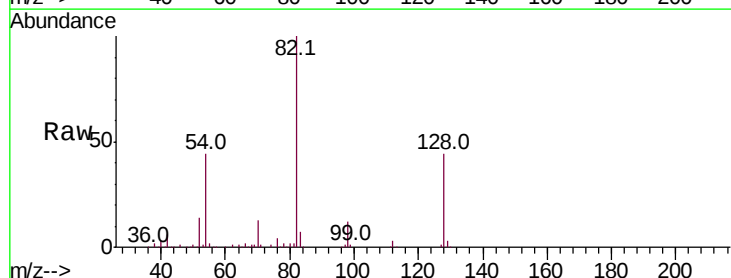
Ion Ratio Lower Upper

70 100

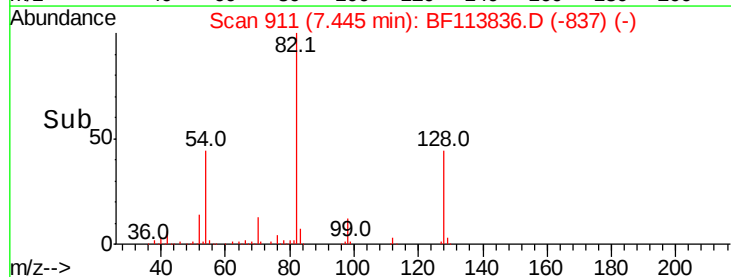
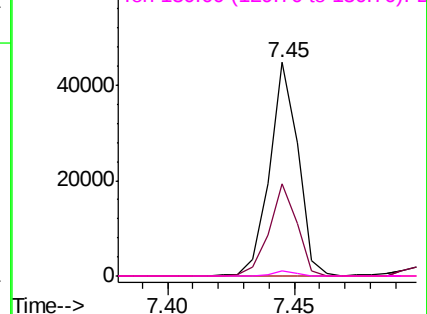
42 43.1 37.3 55.9

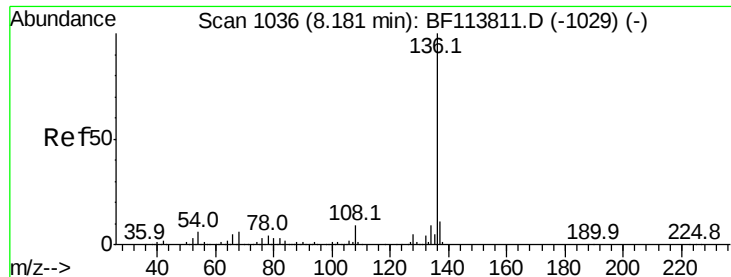
101 0.0 7.8 11.8#

130 2.2 18.2 27.2#



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 516062

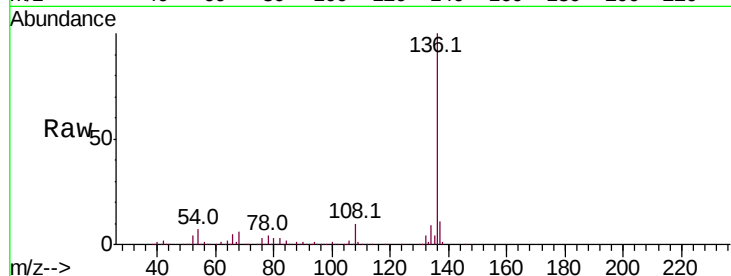
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.8 5.0 7.6

68 6.5 4.9 7.3

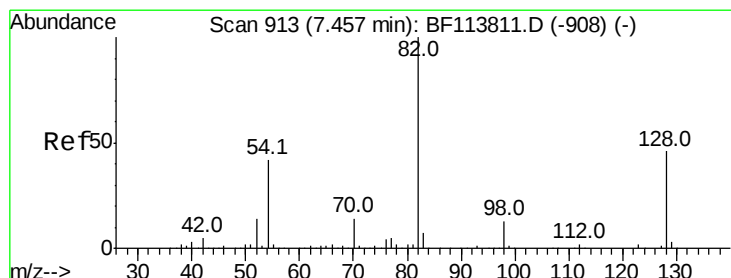
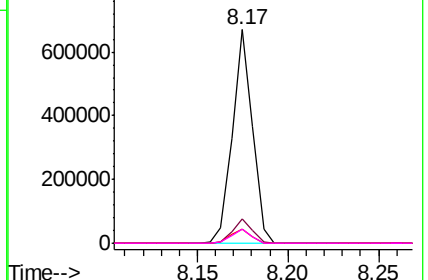
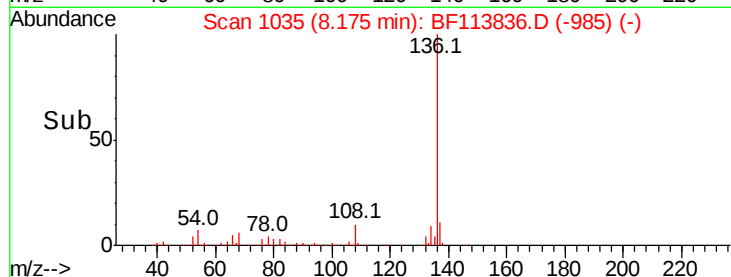


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.307 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

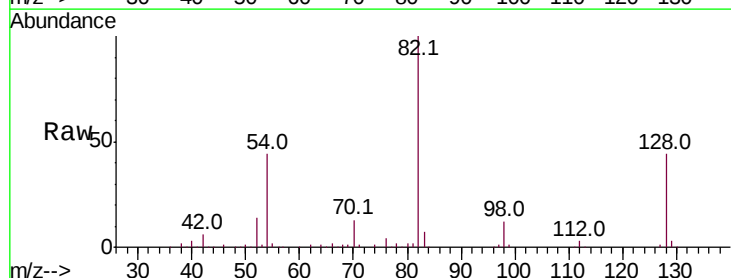
Tgt Ion: 82 Resp: 265308

Ion Ratio Lower Upper

82 100

128 43.9 36.8 55.2

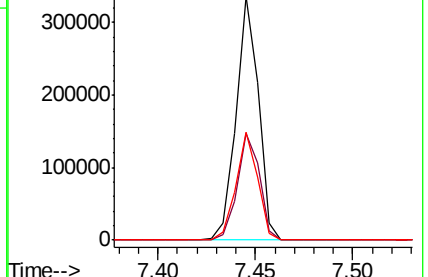
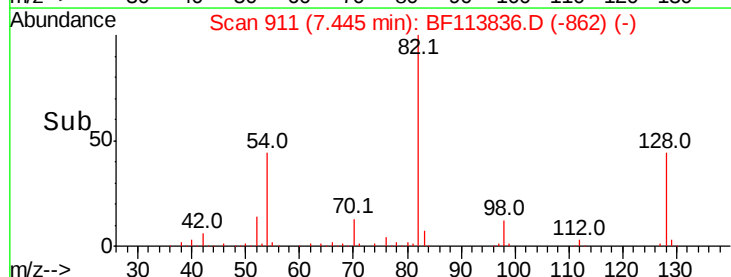
54 44.4 33.8 50.6

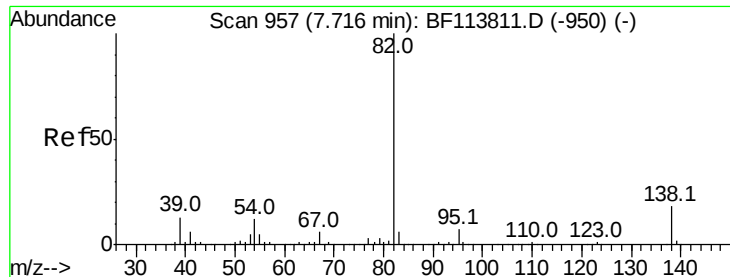


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.120 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

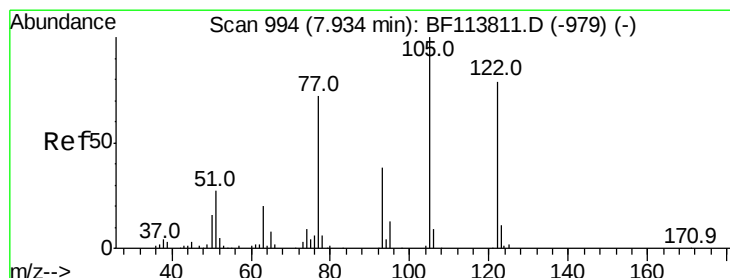
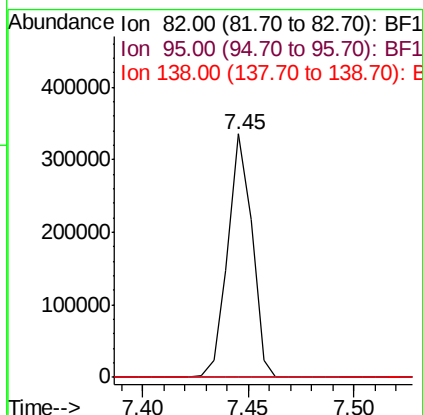
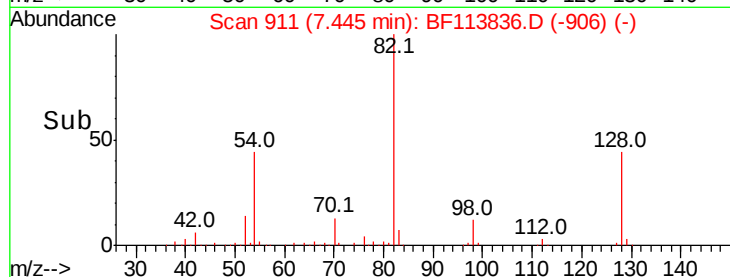
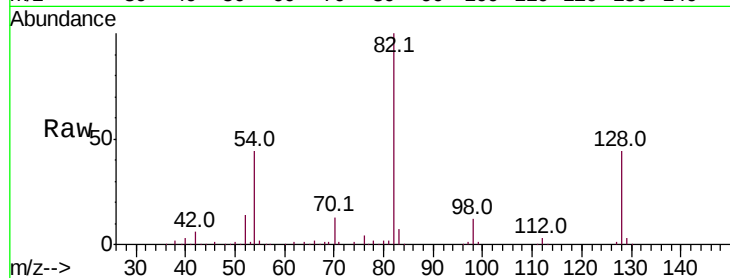
Tot Ion: 82 Resp: 265303

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 5.965 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

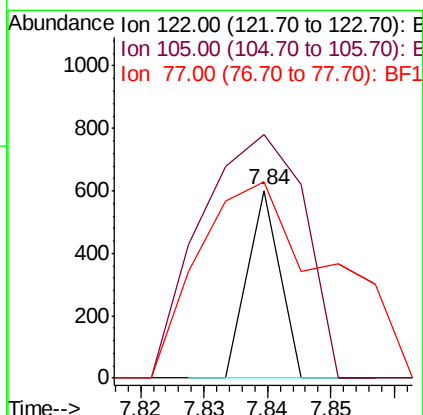
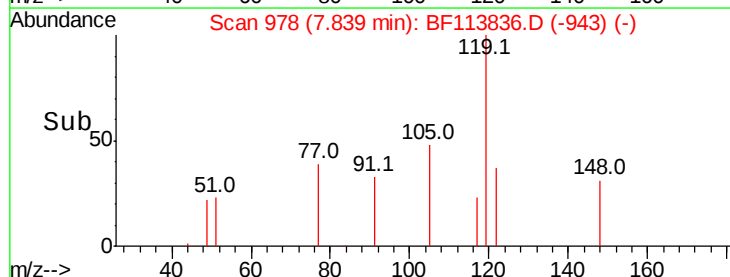
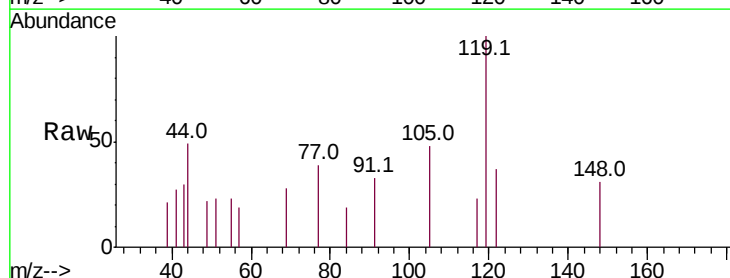
Tgt Ion:122 Resp: 213

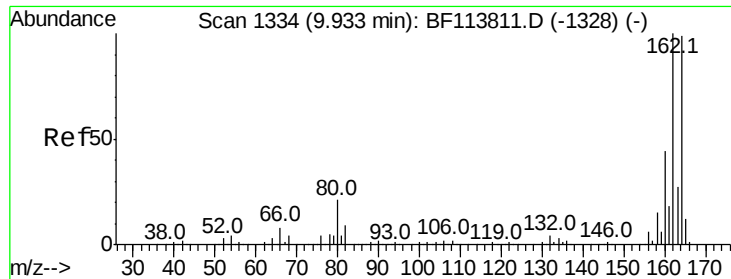
Ion Ratio Lower Upper

122 100

105 129.6 104.3 144.3

77 104.5 70.4 110.4

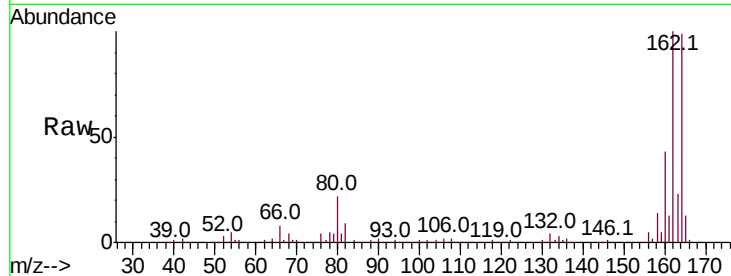




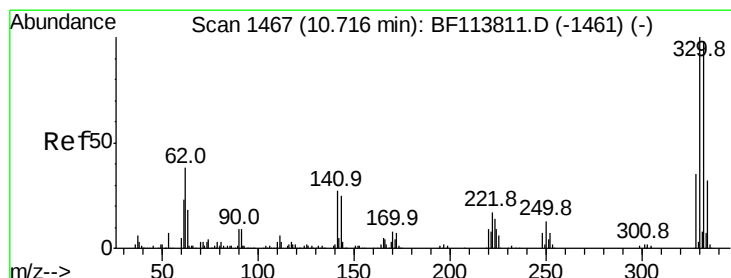
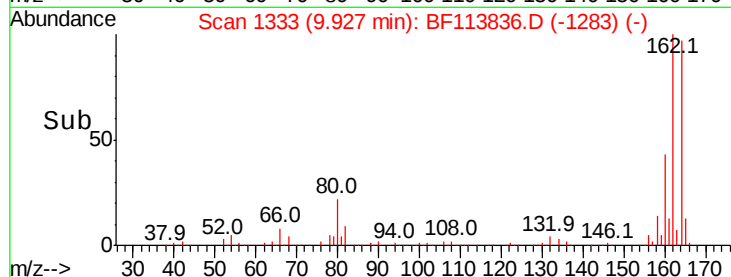
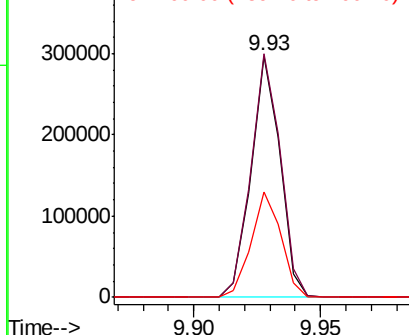
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 237129
Ion Ratio Lower Upper
164 100
162 100.8 81.1 121.7
160 43.8 35.8 53.6

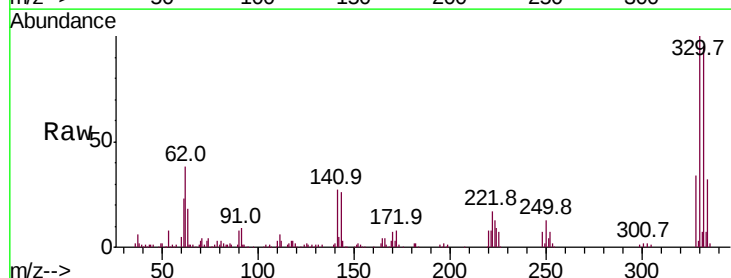


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

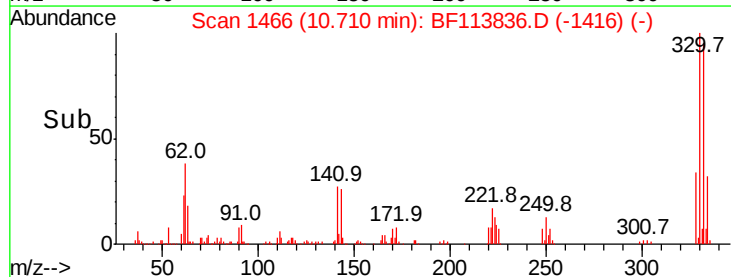
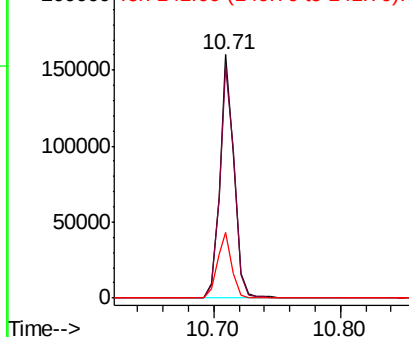


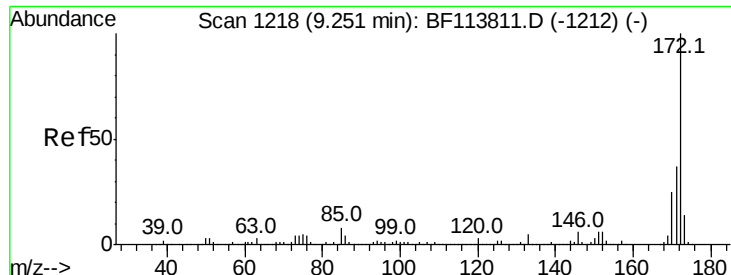
#42
2,4,6-Tribromophenol
Concen: 47.889 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion:330 Resp: 125463
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 28.0 22.2 33.2



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

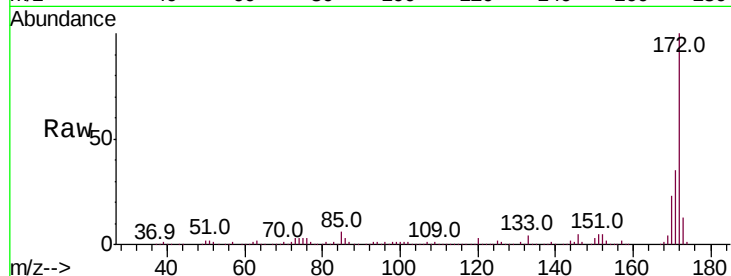




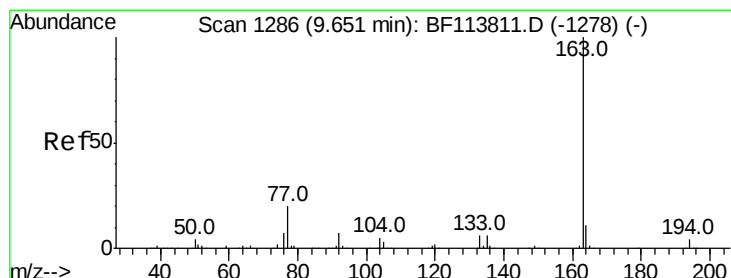
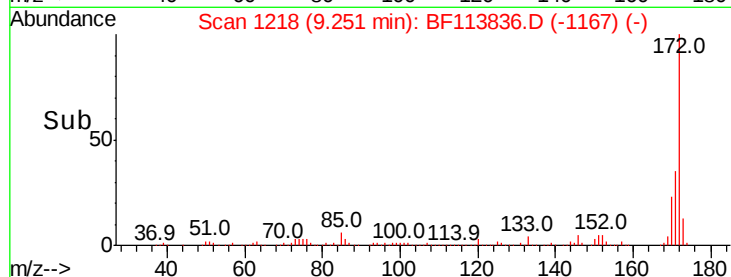
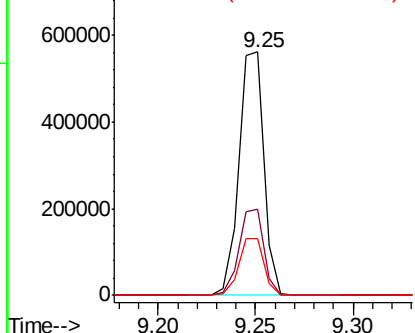
#45
2-Fluorobiphenyl
Concen: 32.054 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 498404
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.5 19.9 29.9

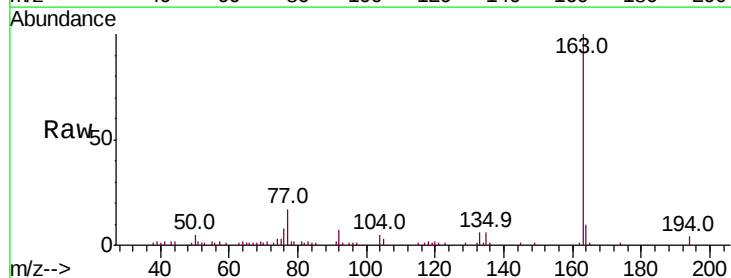


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

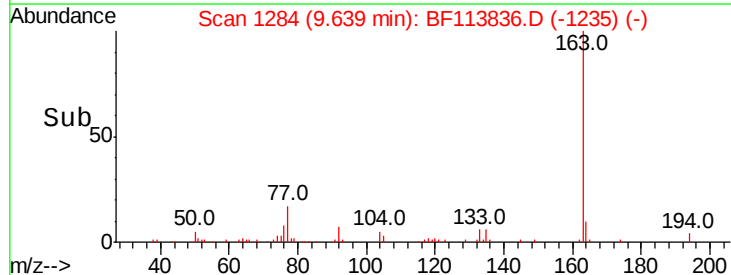
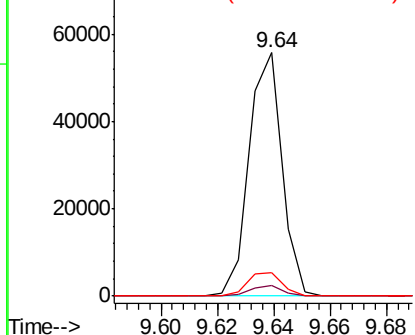


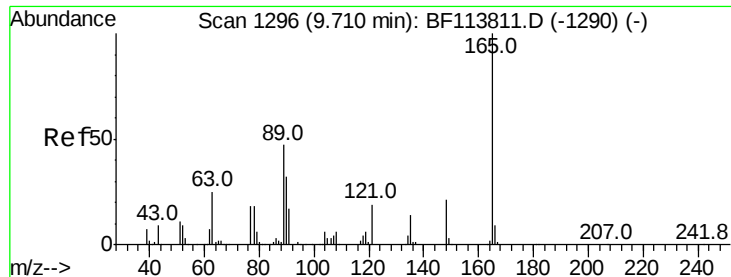
#50
Dimethylphthalate
Concen: 2.729 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion:163 Resp: 45280
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.9 8.5 12.7



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: 8.540 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampled :

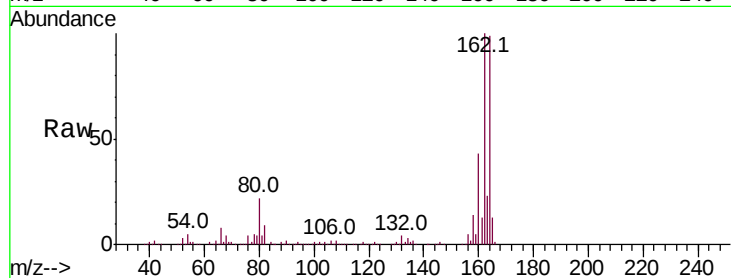
Tot Ion:165 Resp: 31278

Ion Ratio Lower Upper

165 100

63 0.9 33.8 50.8#

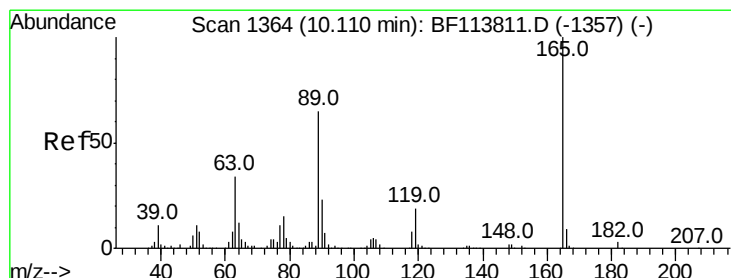
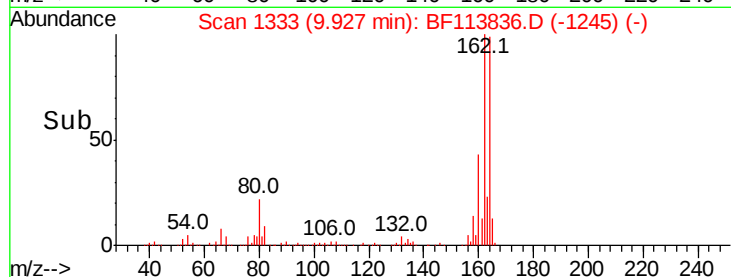
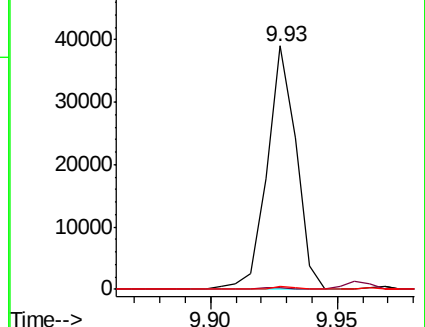
89 1.4 38.2 57.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.884 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Tgt Ion:165 Resp: 31278

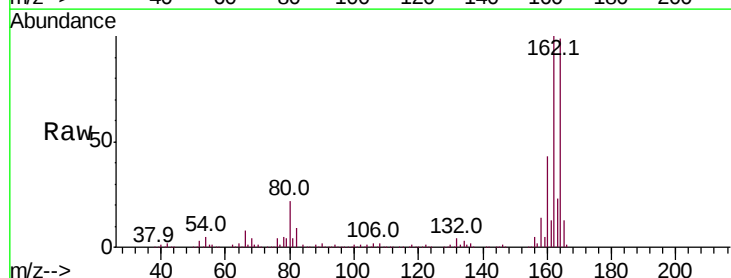
Ion Ratio Lower Upper

165 100

63 0.9 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

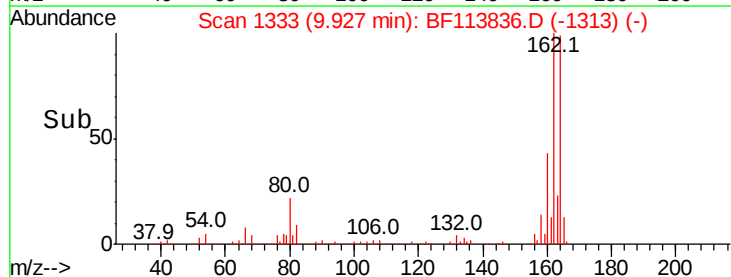
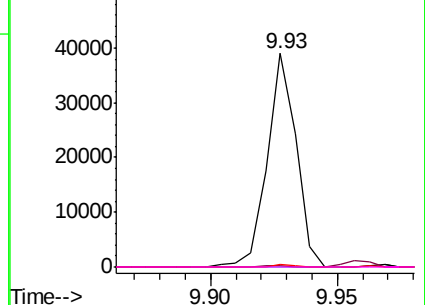


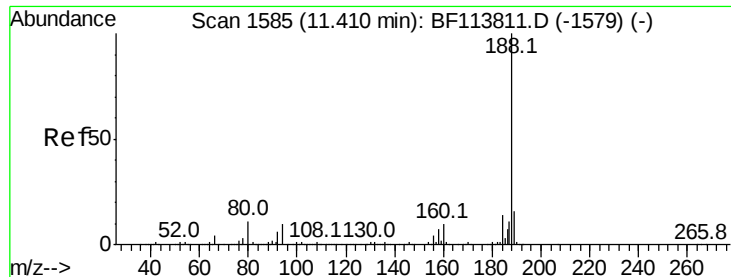
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

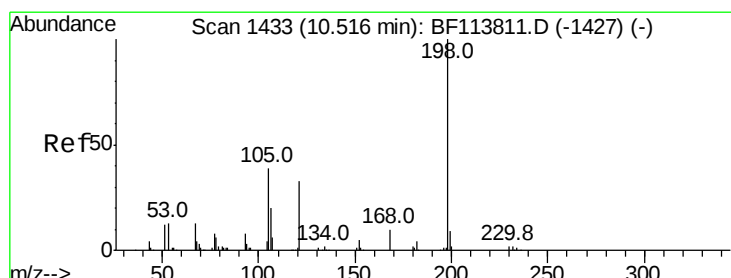
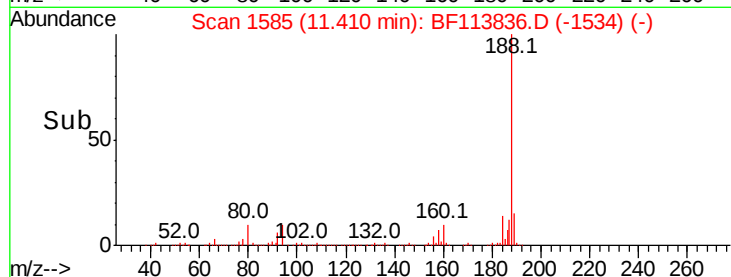
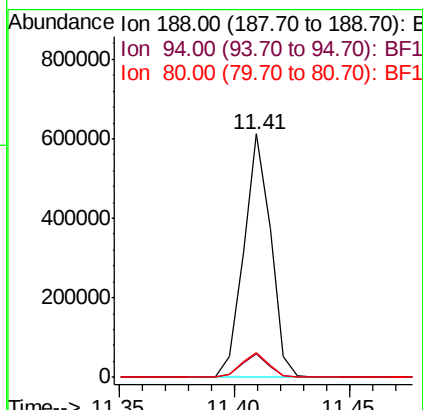
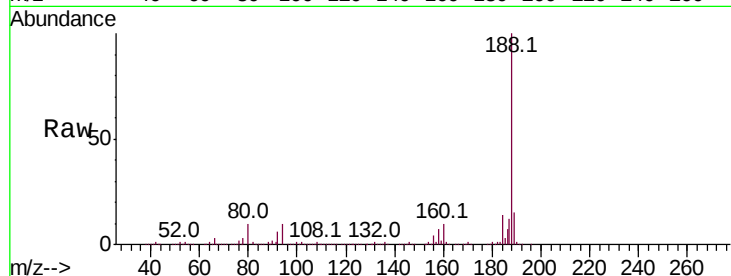




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

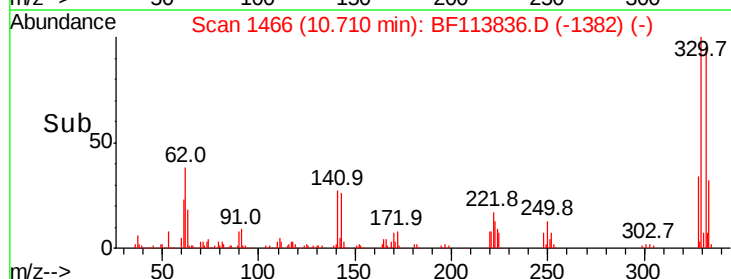
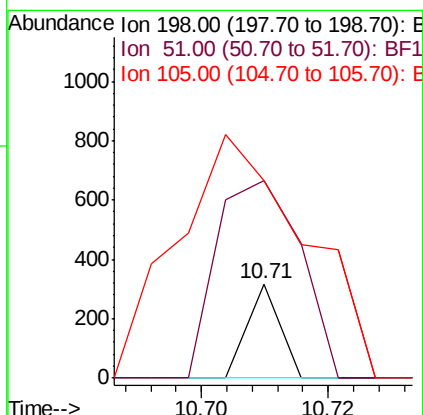
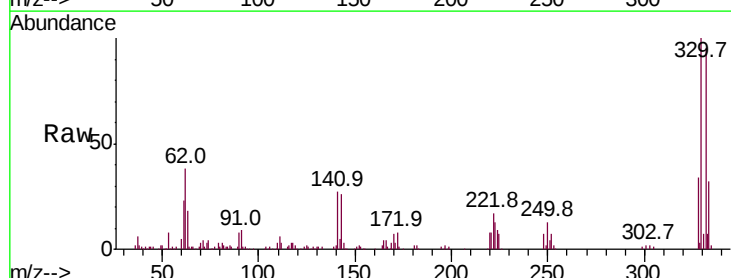
Instrument :
BNA_F
ClientSampleId :

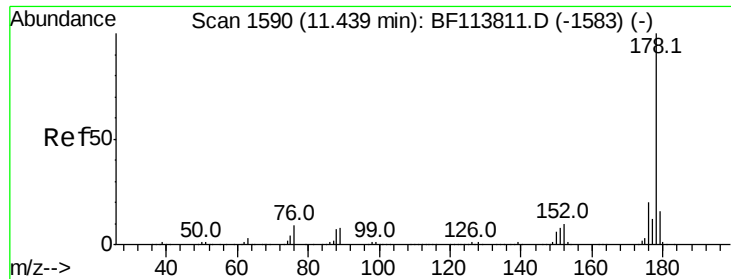
Tot Ion:188 Resp: 497803
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.4
80 10.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 6.974 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion:198 Resp: 112
Ion Ratio Lower Upper
198 100
51 38.7 11.1 51.1
105 38.8 20.7 60.7

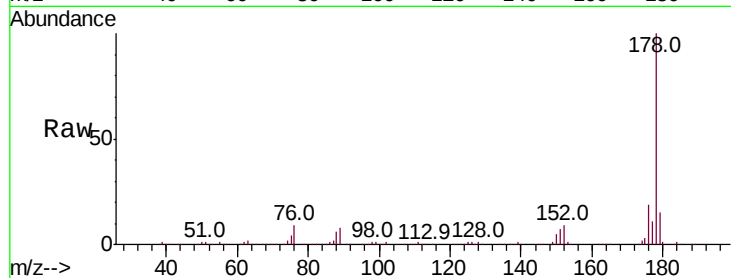




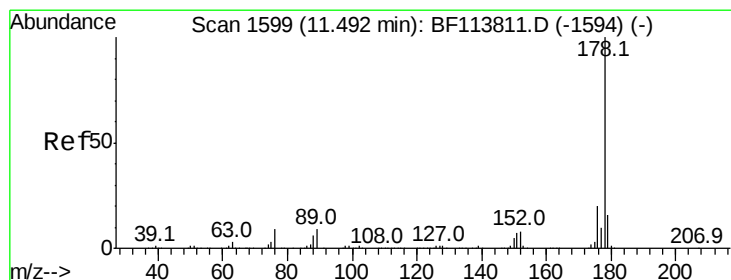
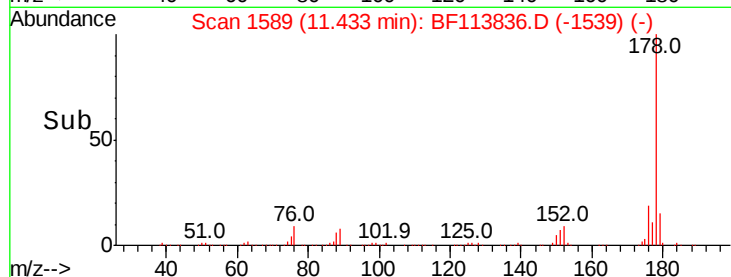
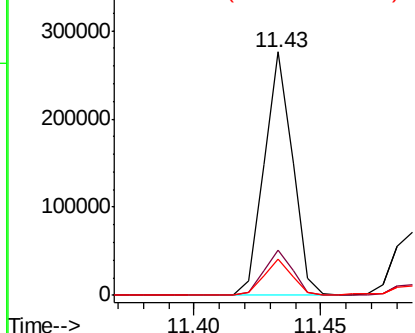
#71
Phenanthrene
Concen: 8.549 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 216739
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 14.8 12.8 19.2

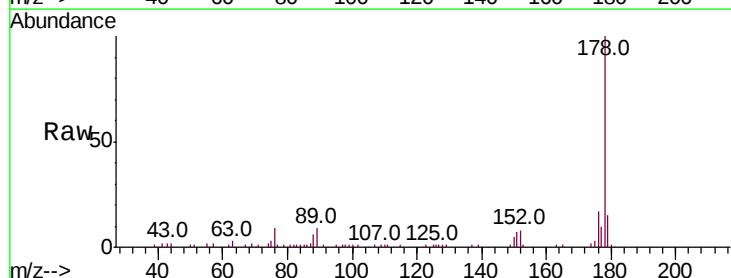


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

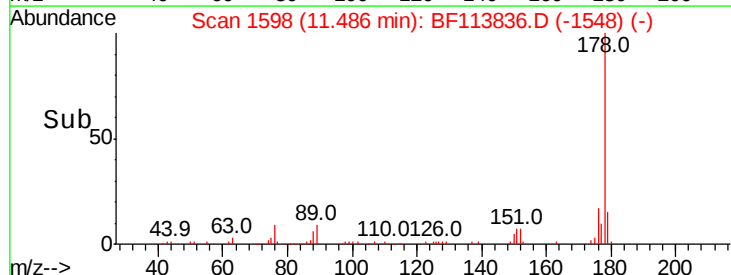
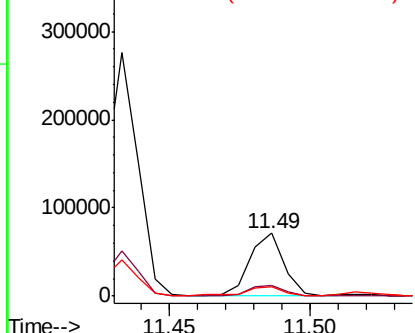


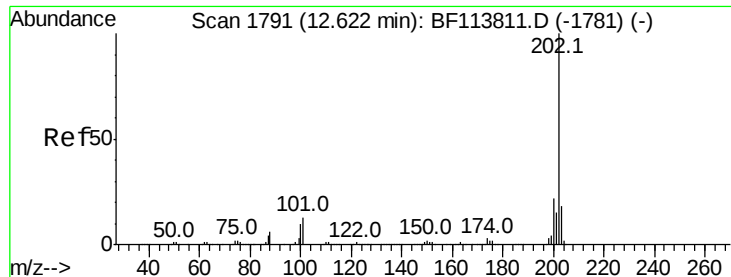
#72
Anthracene
Concen: 2.323 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion:178 Resp: 59340
Ion Ratio Lower Upper
178 100
176 17.1 15.7 23.5
179 15.0 13.0 19.4



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: 16.466 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

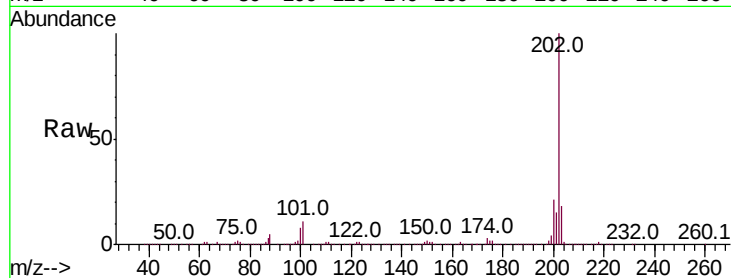
Tot Ion:202 Resp: 442446

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.9

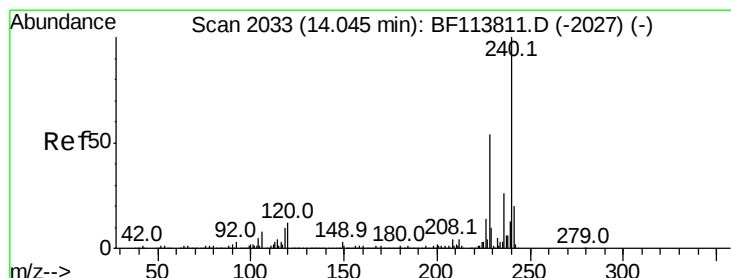
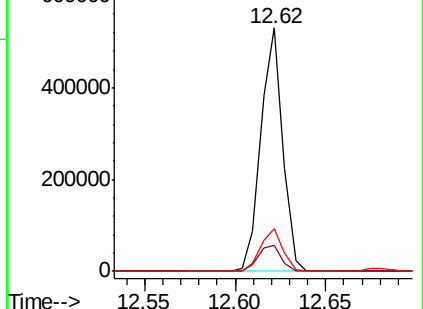
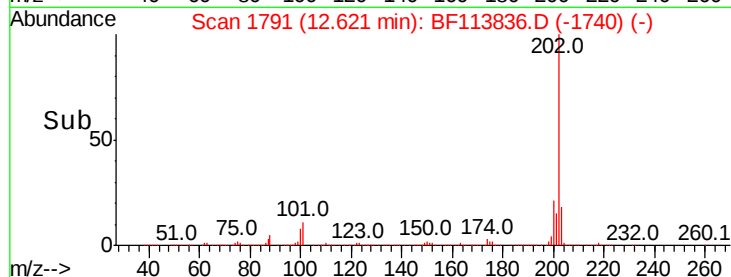
203 17.7 0.0 38.2



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: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

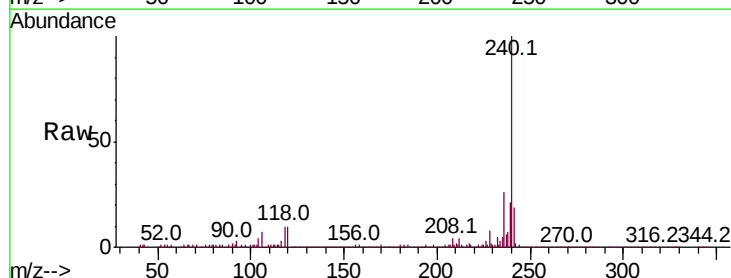
Tgt Ion:240 Resp: 533530

Ion Ratio Lower Upper

240 100

120 10.3 9.3 13.9

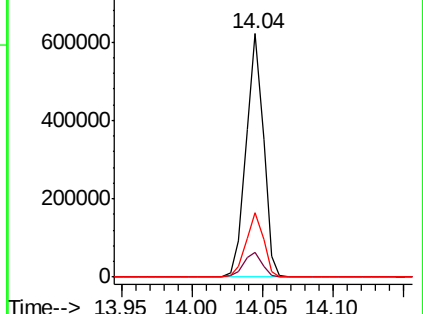
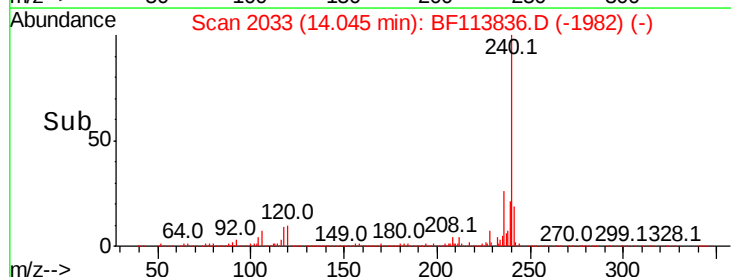
236 26.4 21.2 31.8

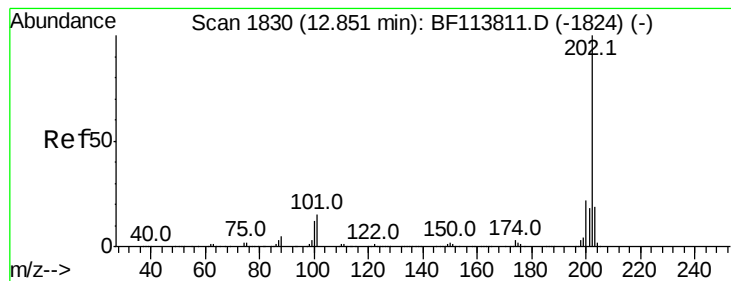


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.702 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

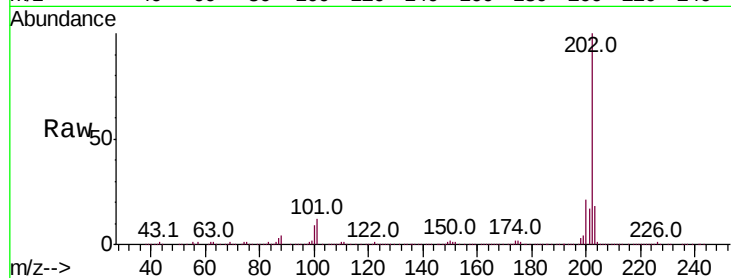
Tot Ion:202 Resp: 402390

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

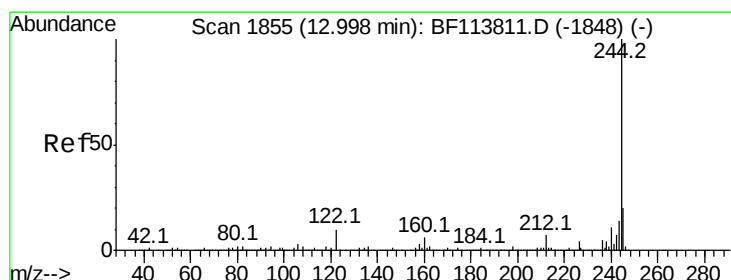
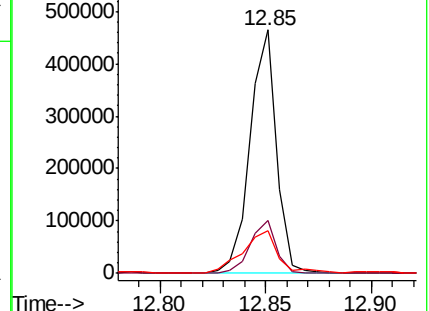
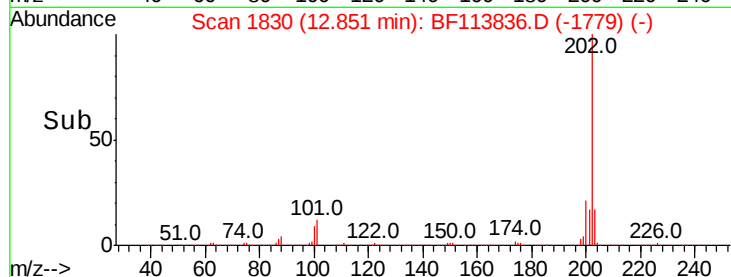
203 17.6 15.0 22.6



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: 28.259 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113836.D

Acq: 19 Apr 2019 00:23

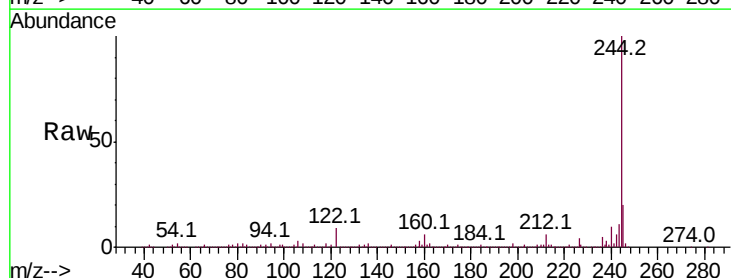
Tgt Ion:244 Resp: 718994

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

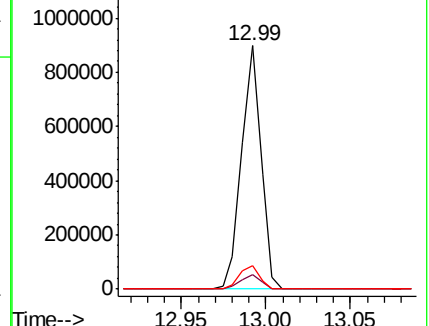
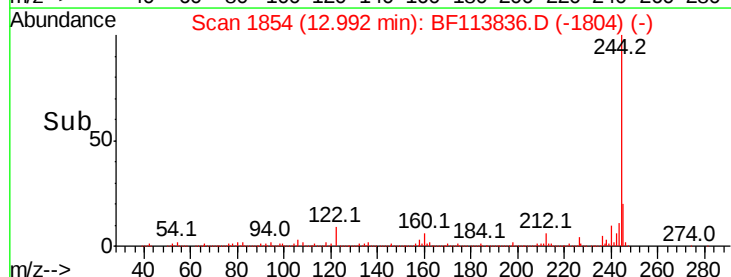
122 9.4 7.6 11.4

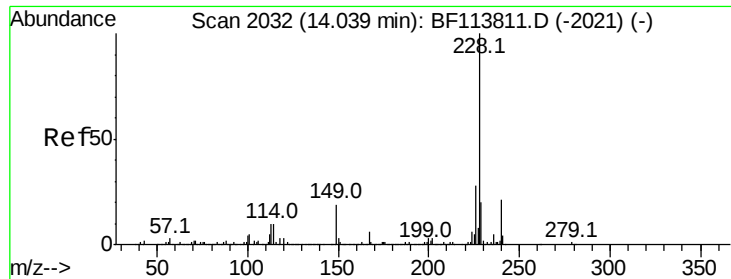


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

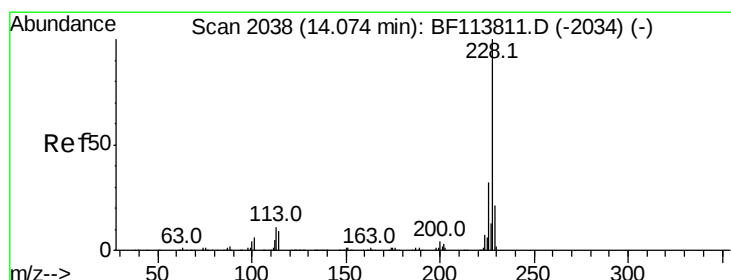
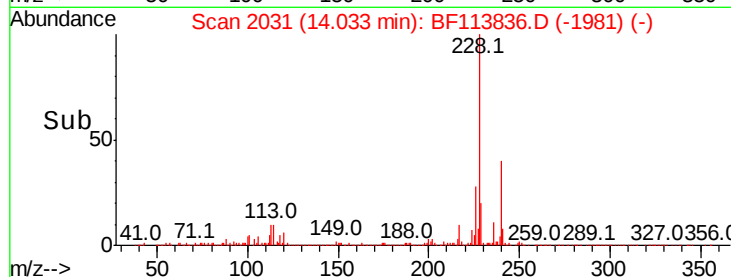
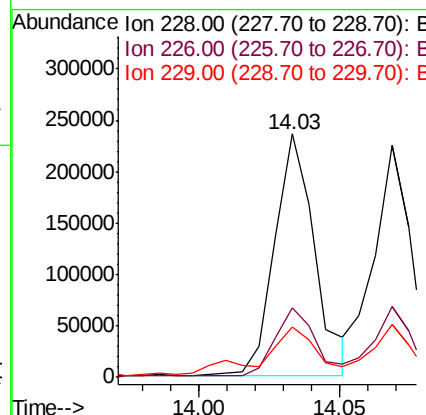
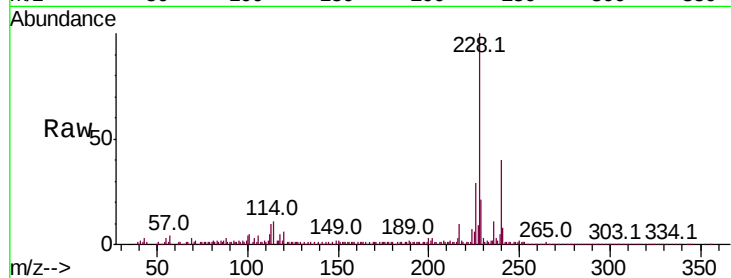




#81
Benzo(a)anthracene
Concen: 7.453 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

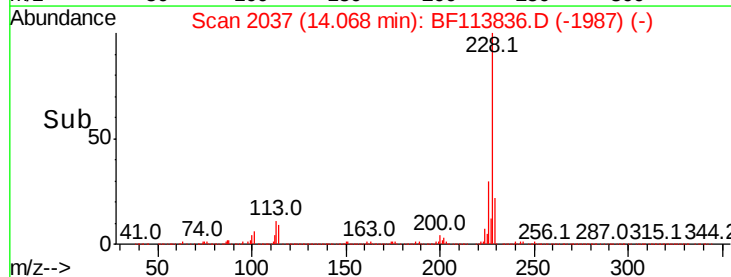
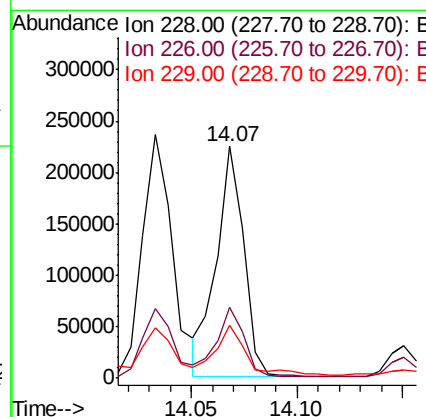
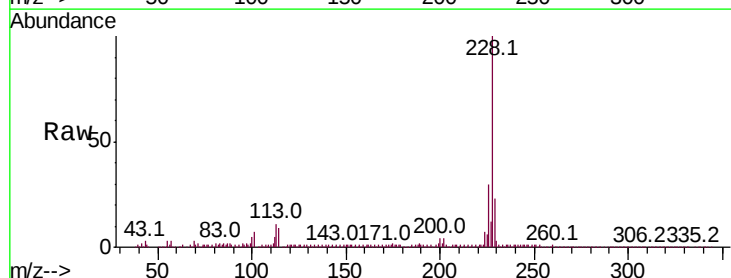
Instrument :
BNA_F
ClientSampleId :

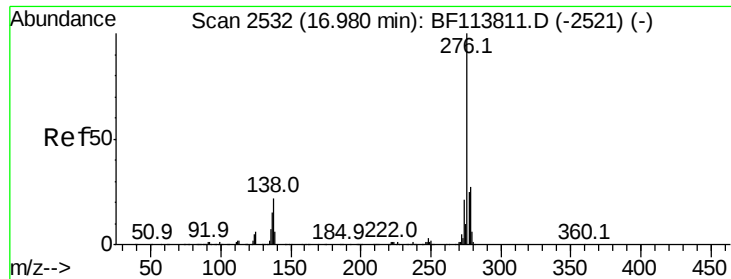
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.2
229	20.7	16.0	24.0



#83
Chrysene
Concen: 6.561 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	22.9	16.7	25.1

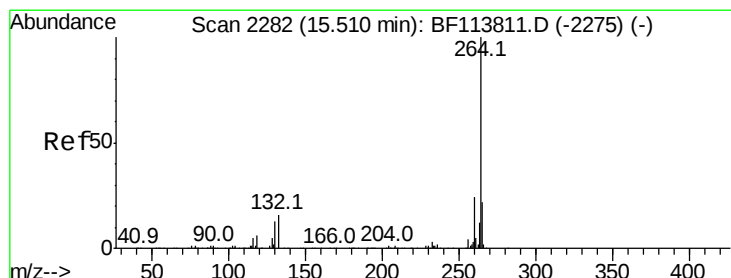
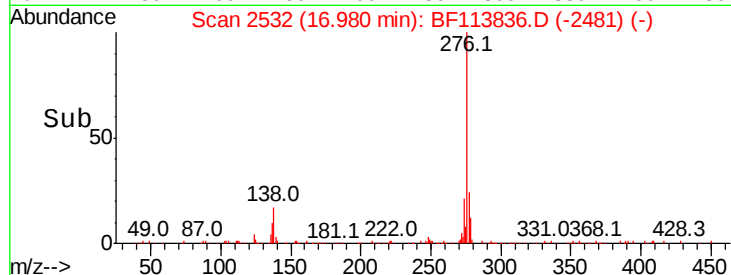
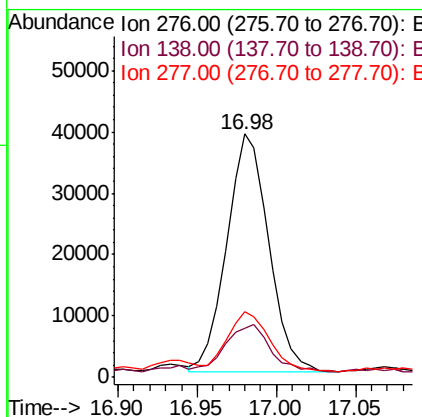
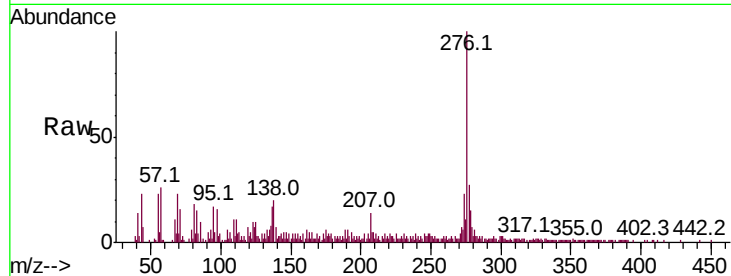




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.810 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.00 min
 Lab File: BF113836.D
 Acq: 19 Apr 2019 00:23

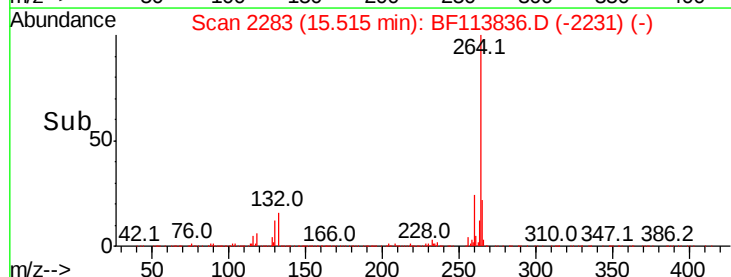
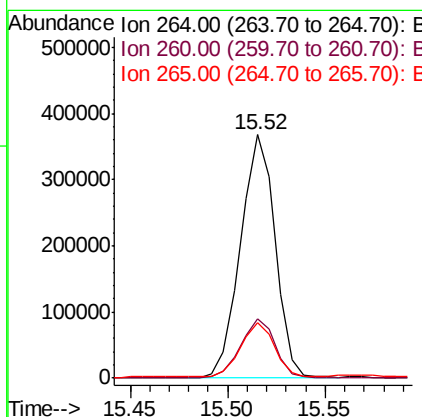
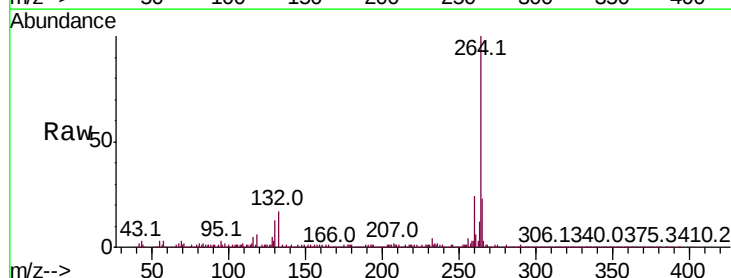
Instrument :
 BNA_F
 ClientSampleId :

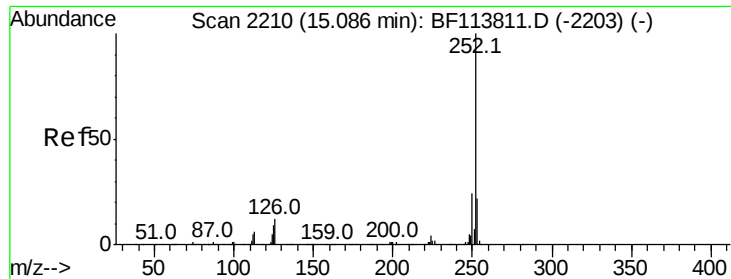
Tot Ion:276 Resp: 71007
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.6 29.4
 277 25.3 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: BF113836.D
 Acq: 19 Apr 2019 00:23

Tgt Ion:264 Resp: 450516
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.9 28.3
 265 22.6 17.3 25.9

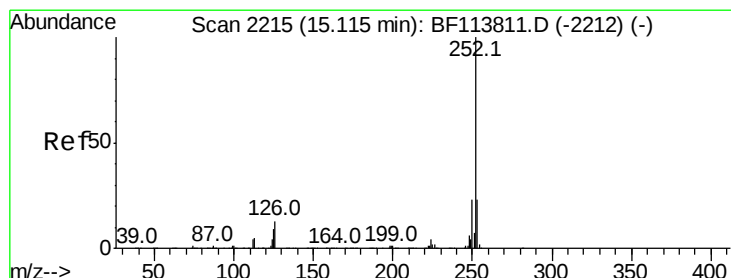
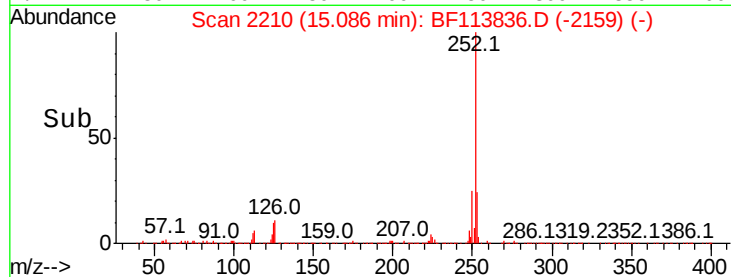
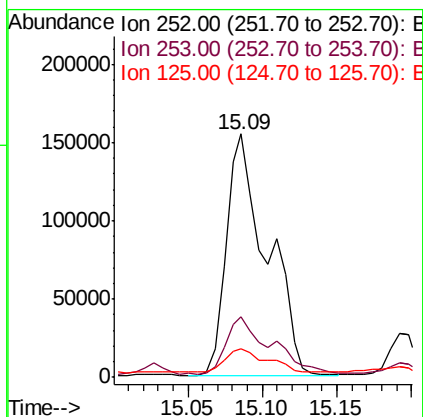
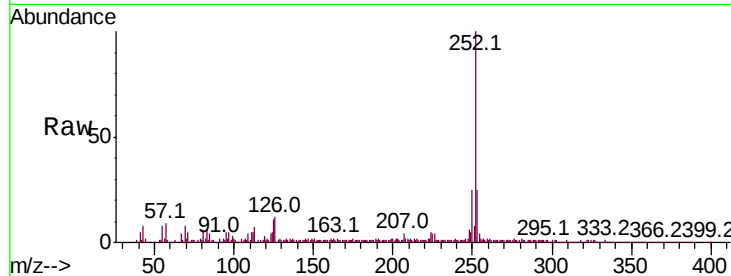




#88
Benzo(b)fluoranthene
Concen: 10.430 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

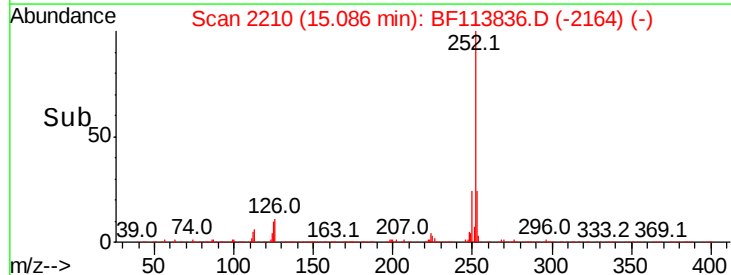
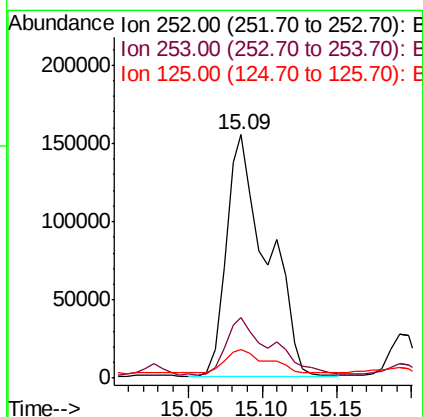
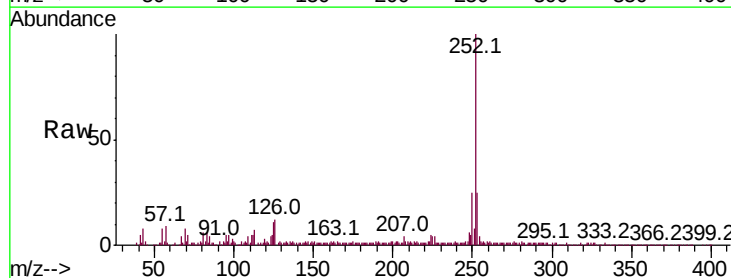
Instrument :
BNA_F
ClientSampleId :

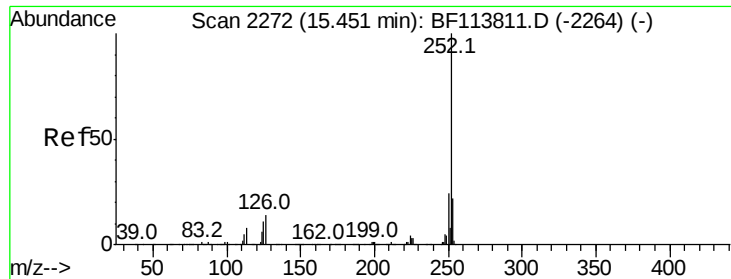
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	11.5	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 11.451 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	11.5	7.4	11.2

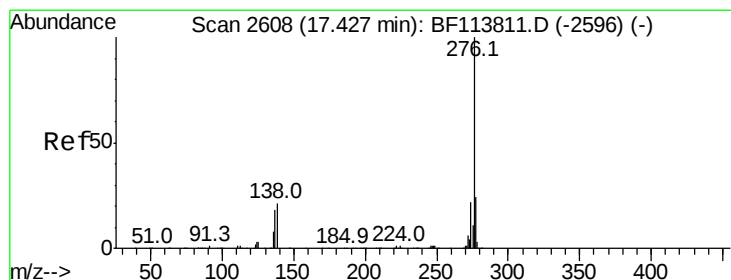
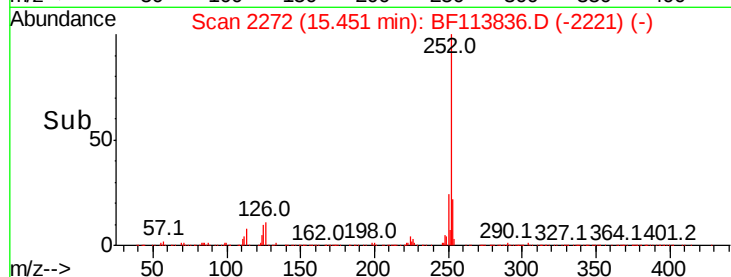
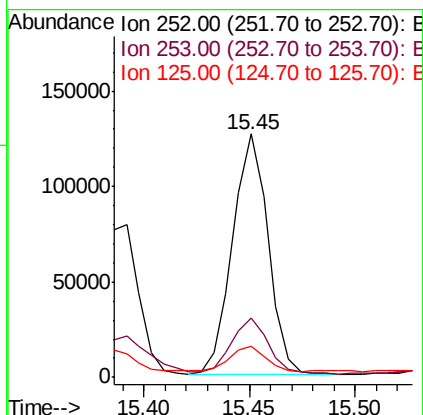
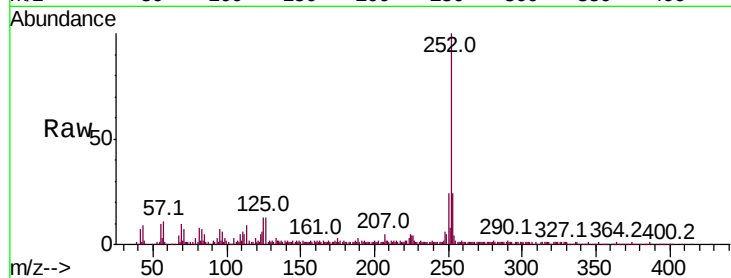




#90
Benzo(a)pyrene
Concen: 5.968 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	12.6	8.5	12.7



#92
Benzo(g,h,i)perylene
Concen: 3.071 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.00 min
Lab File: BF113836.D
Acq: 19 Apr 2019 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	22.2	16.6	25.0

