

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113862.D
 Acq On : 19 Apr 2019 16:55
 Operator : JU/SJ
 Sample : K2202-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

Quant Time: Apr 19 23:23:59 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	194141	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	671877	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	302102	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	550756	20.00	ng	0.02
76) Chrysene-d12	14.20	240	501355	20.00	ng	0.16
87) Perylene-d12	15.94	264	392808	20.00	ng	0.44

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	586837	50.26	ng	0.01
7) Phenol-d6	6.52	99	749474	51.47	ng	0.00
23) Nitrobenzene-d5	7.46	82	406394	36.83	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	174532	52.29	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	696445	35.16	ng	0.00
79) Terphenyl-d14	13.04	244	729778	30.52	ng	0.04

Target Compounds

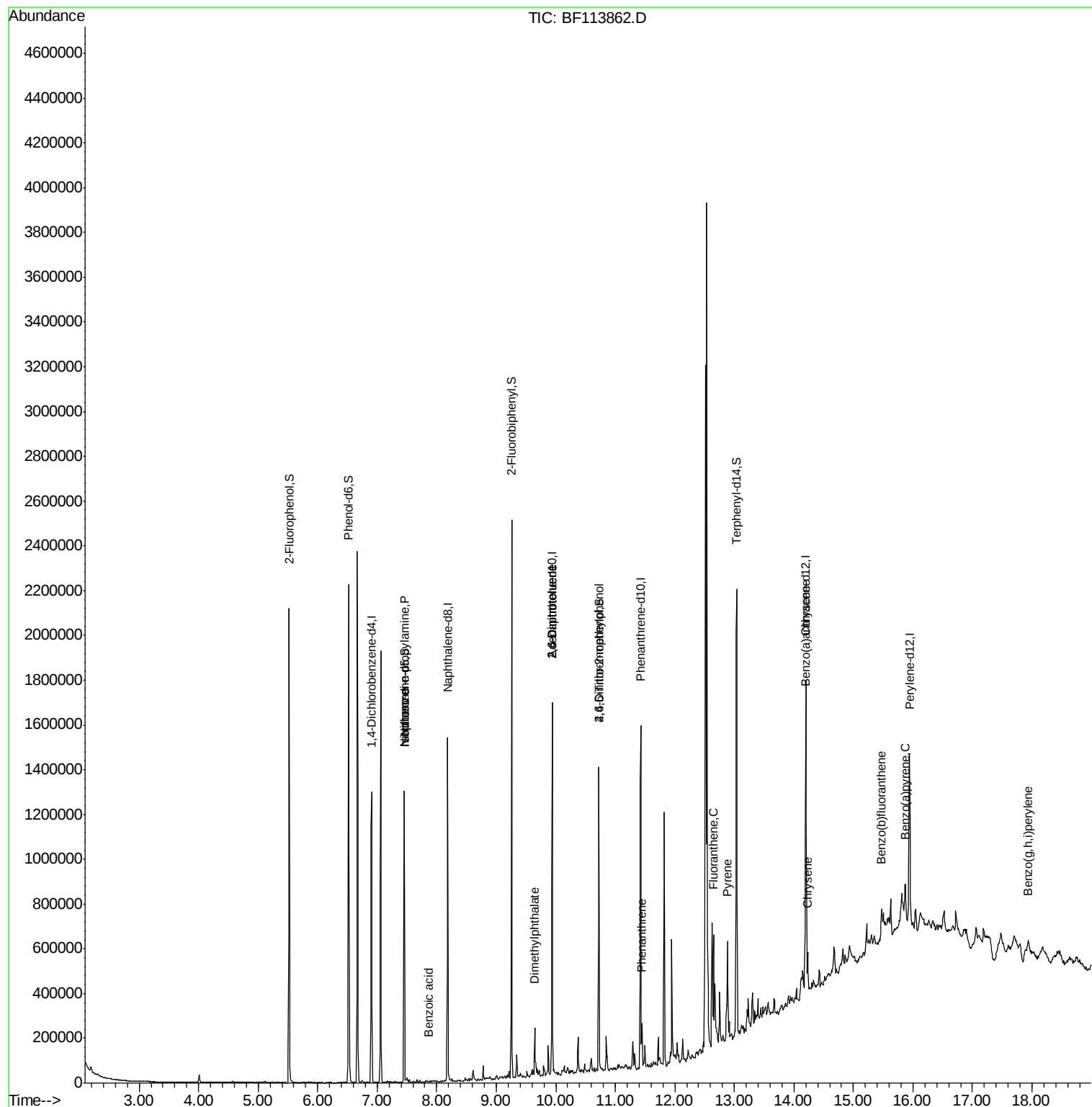
						Qvalue
9) Benzaldehyde	6.52	77	1037	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.46	70	54064	5.563 ng	#	75
25) Isophorone	7.46	82	406391	17.790 ng	#	65
32) Benzoic acid	7.86	122	242	5.960 ng	#	75
50) Dimethylphthalate	9.65	163	77740	3.677 ng		100
51) 2,6-Dinitrotoluene	9.94	165	39814	8.533 ng	#	33
57) 2,4-Dinitrotoluene	9.94	165	39814	6.878 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	107	6.967 ng	#	1
71) Phenanthrene	11.45	178	84928	3.028 ng		98
75) Fluoranthene	12.65	202	160482	5.398 ng		96
78) Pyrene	12.89	202	177239	5.016 ng		97
81) Benzo(a)anthracene	14.19	228	94753	3.233 ng		94
83) Chrysene	14.23	228	83192	2.860 ng		98
88) Benzo(b)fluoranthene	15.47	252	124059	5.066 ng	#	93
90) Benzo(a)pyrene	15.87	252	69007	3.187 ng	#	90
92) Benzo(g,h,i)perylene	17.94	276	41659	2.127 ng	#	90

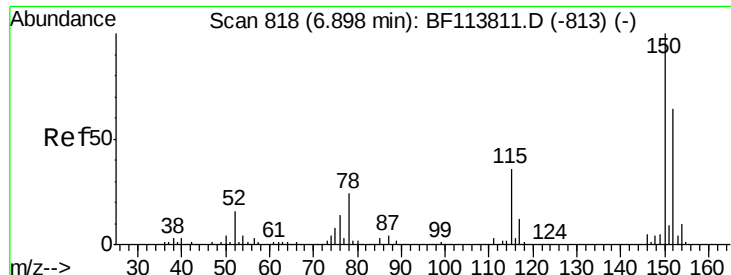
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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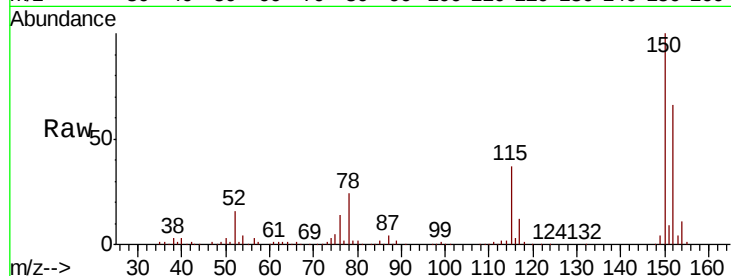


#1

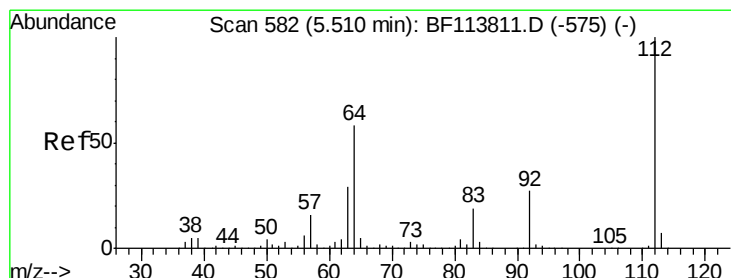
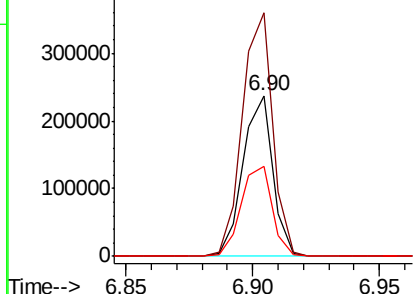
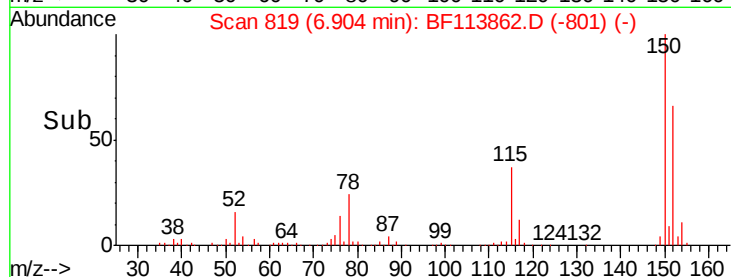
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.9	188.9
115	56.0	45.9	68.9



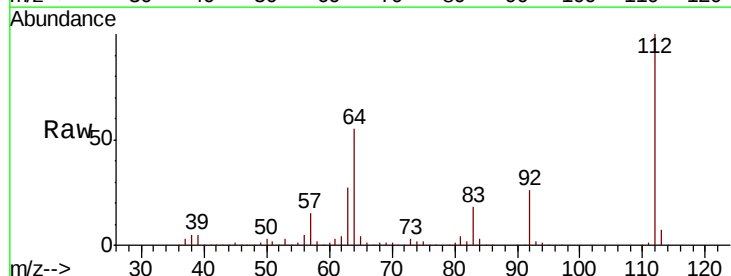
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



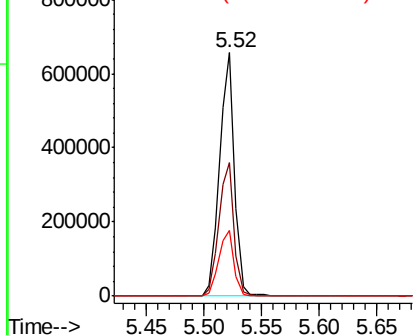
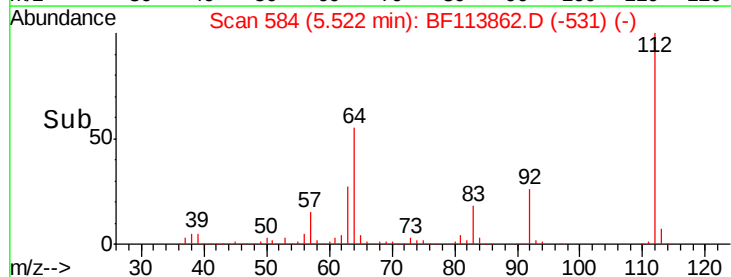
#5

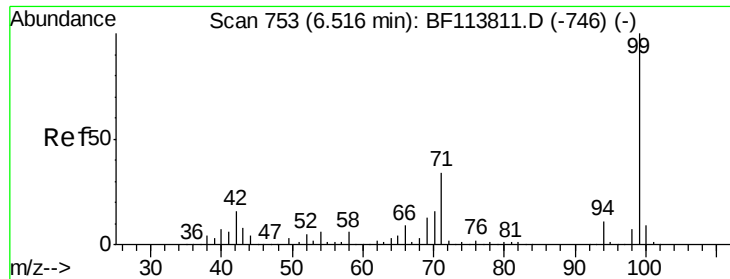
2-Fluorophenol
 Concen: 50.261 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.6	69.8
63	27.0	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: 51.473 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

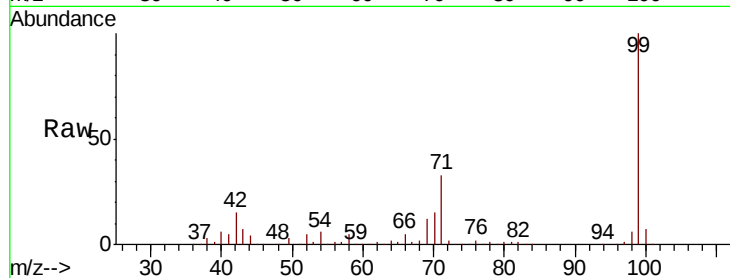
Tgt Ion: 99 Resp: 749474

Ion Ratio Lower Upper

99 100

42 15.1 12.5 18.7

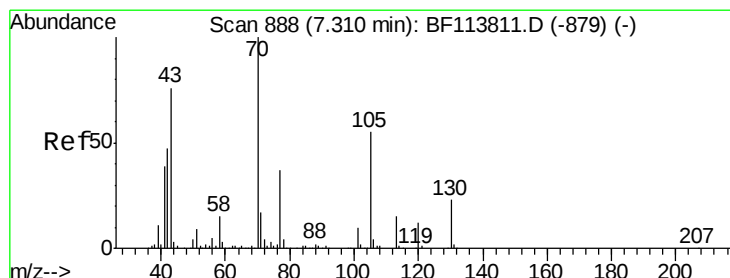
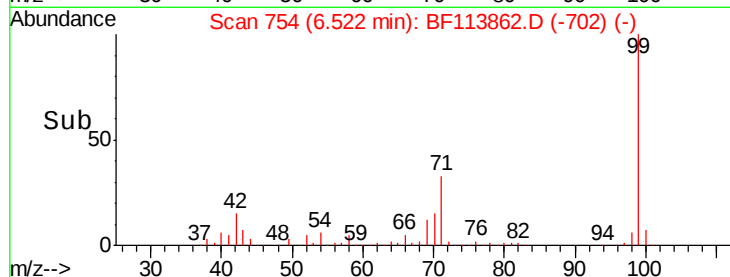
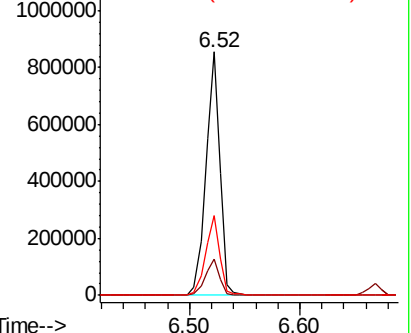
71 33.0 26.9 40.3



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: 5.563 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Tgt Ion: 70 Resp: 54064

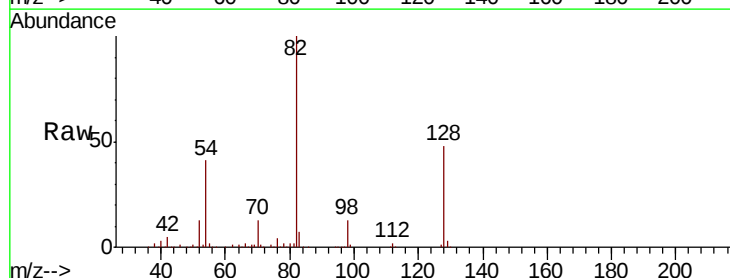
Ion Ratio Lower Upper

70 100

42 36.3 37.3 55.9#

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

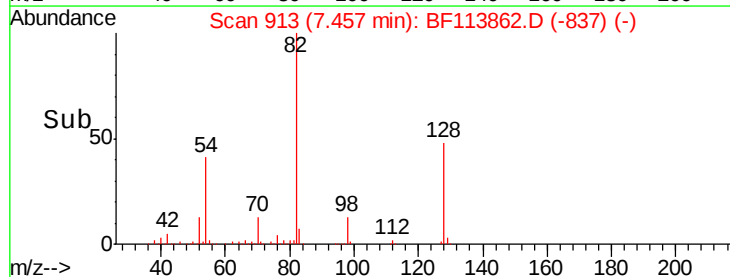
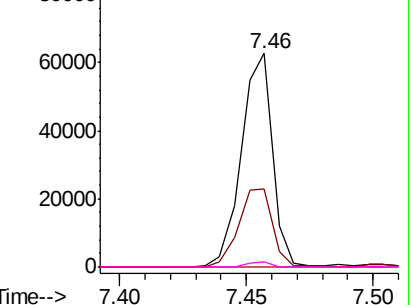


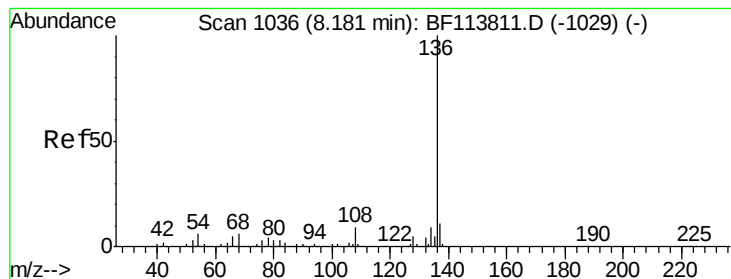
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

Tgt Ion: 136 Resp: 671877

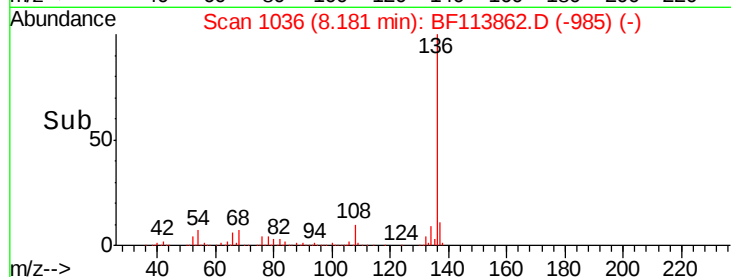
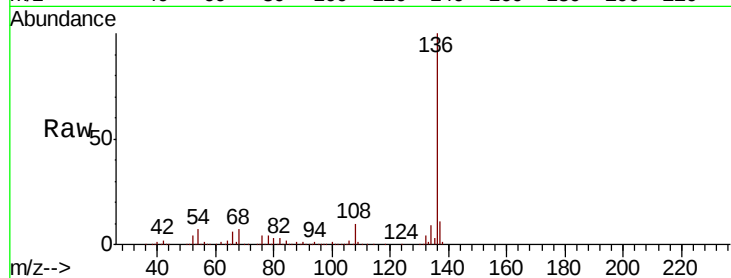
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 7.1 5.0 7.6

68 6.8 4.9 7.3

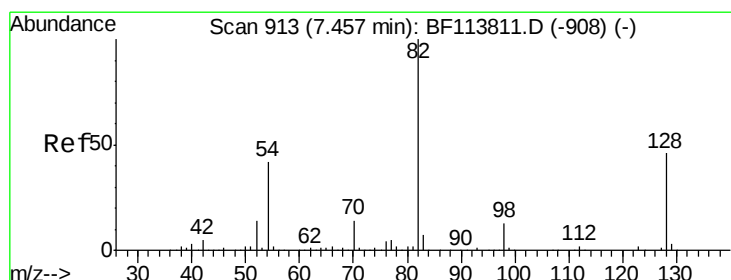
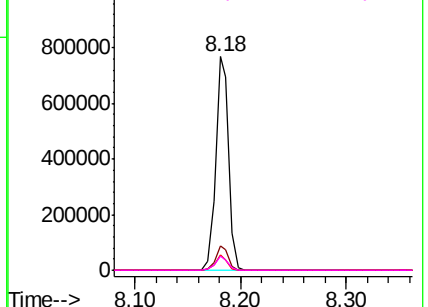


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.834 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

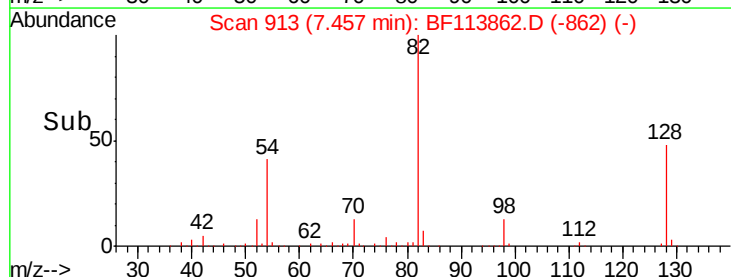
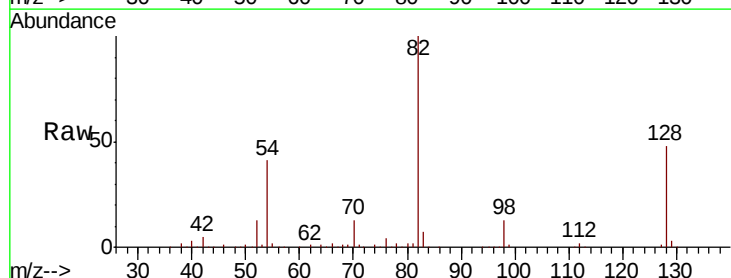
Tgt Ion: 82 Resp: 406394

Ion Ratio Lower Upper

82 100

128 48.2 36.8 55.2

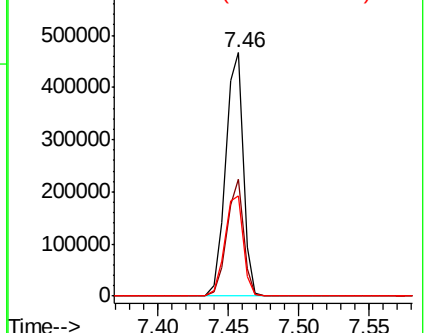
54 41.3 33.8 50.6

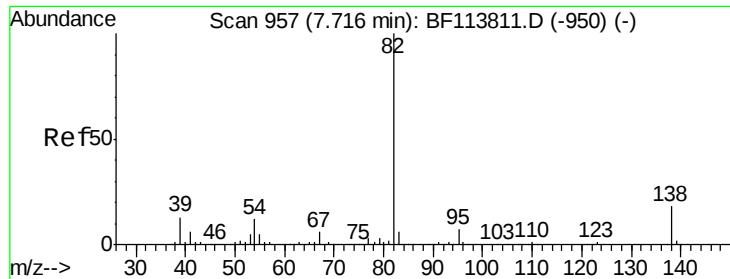


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.790 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

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BNA_F

ClientSampleId :

SA-06-041819-B

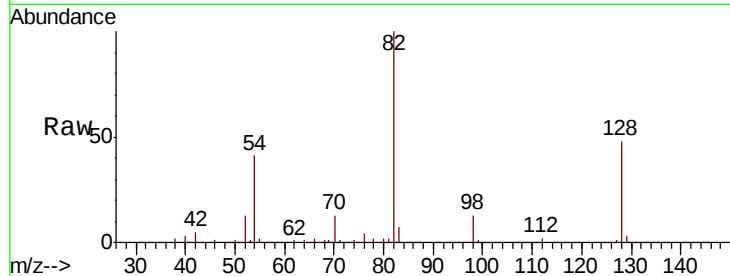
Tgt Ion: 82 Resp: 406391

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

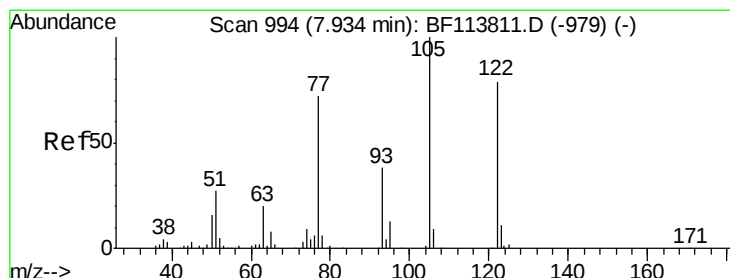
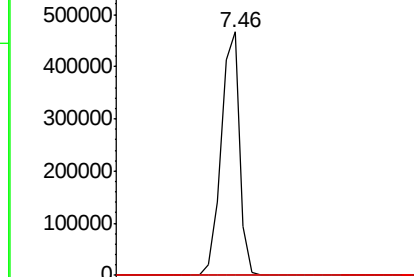
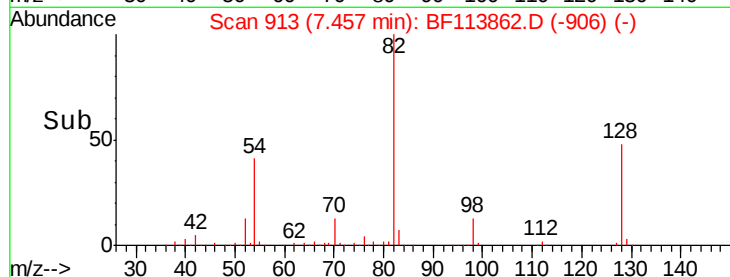
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 5.960 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.07 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

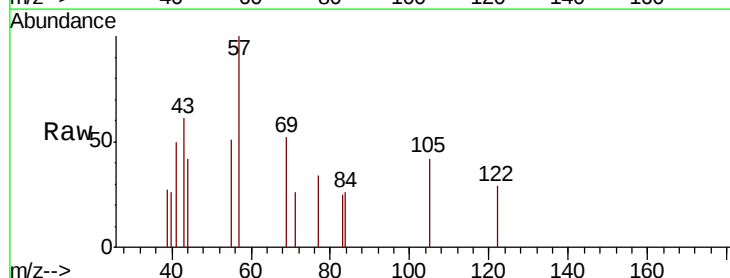
Tgt Ion: 122 Resp: 242

Ion Ratio Lower Upper

122 100

105 147.8 104.3 144.3#

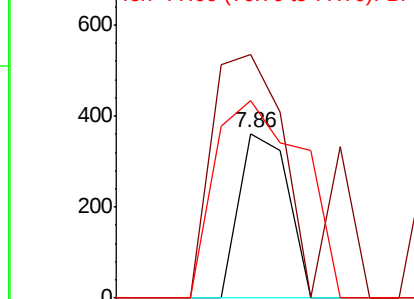
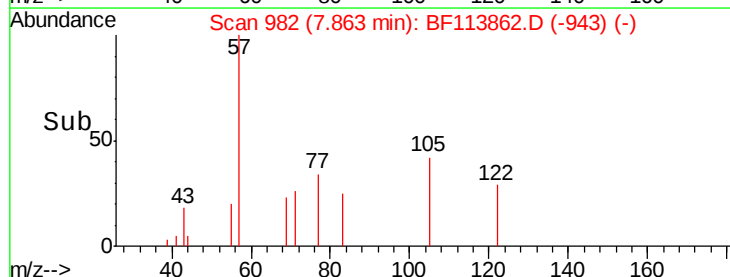
77 119.9 70.4 110.4#

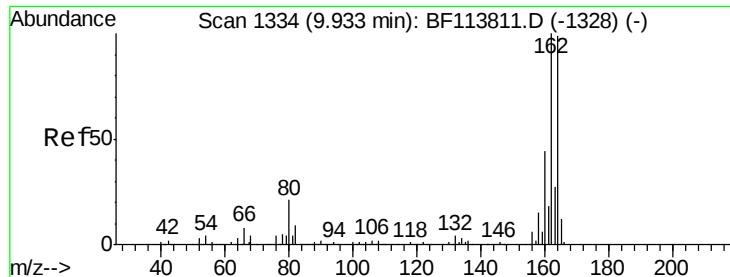


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

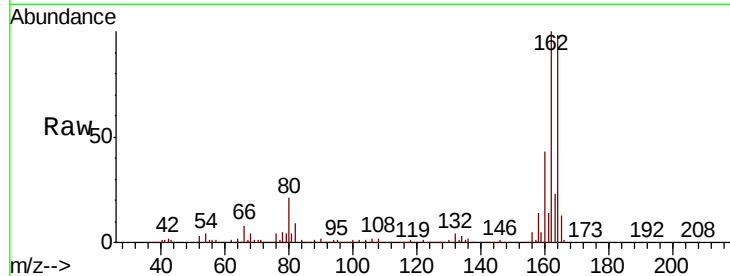




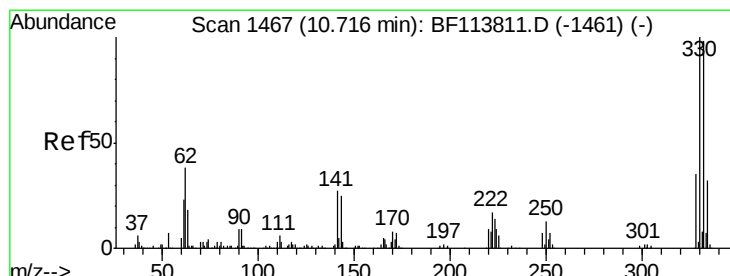
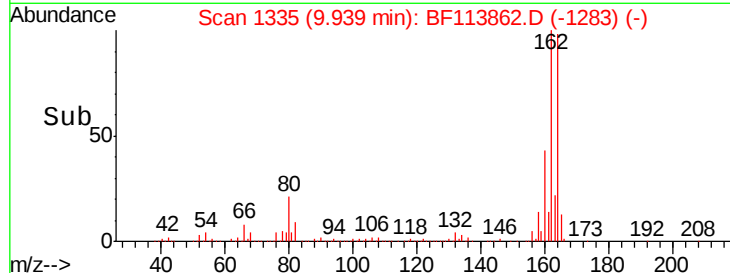
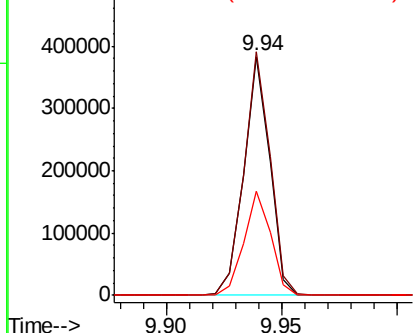
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

Tgt Ion:164 Resp: 302102
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.1 121.7
 160 43.5 35.8 53.6

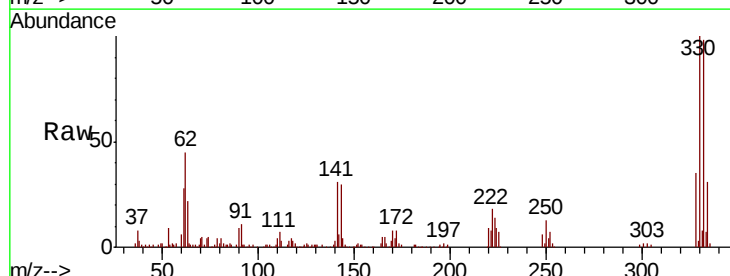


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

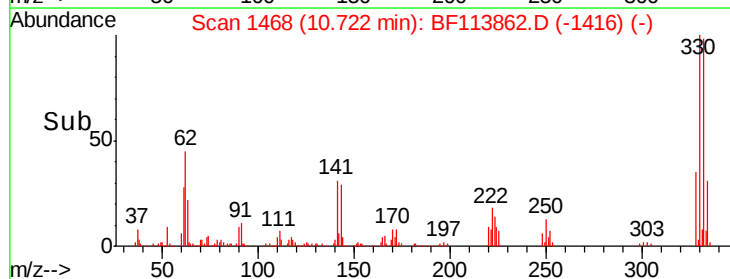
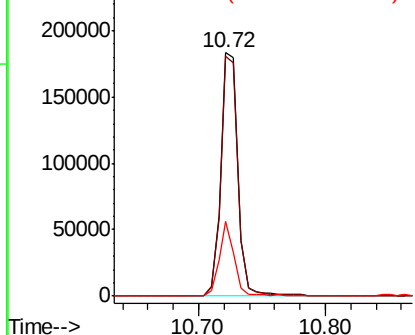


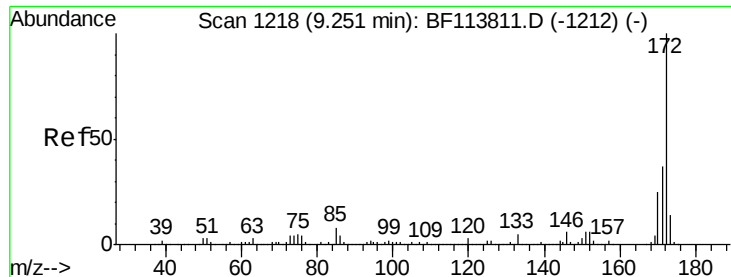
#42
 2,4,6-Tribromophenol
 Concen: 52.291 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

Tgt Ion:330 Resp: 174532
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.5 116.3
 141 26.2 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

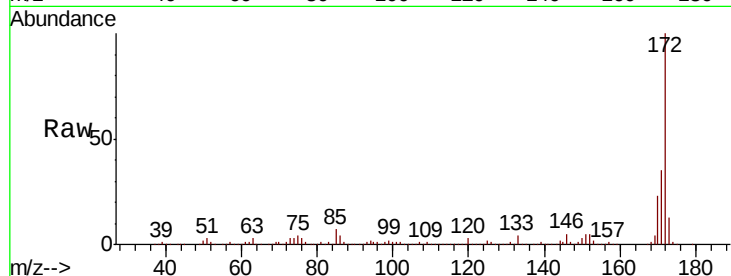




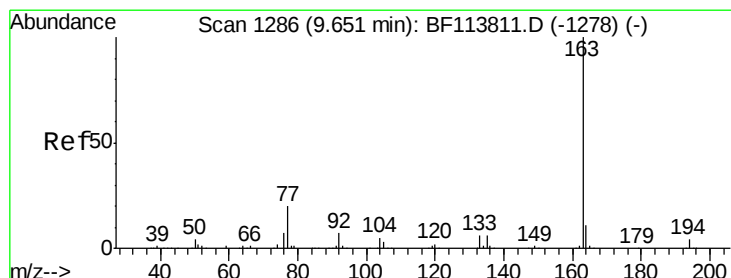
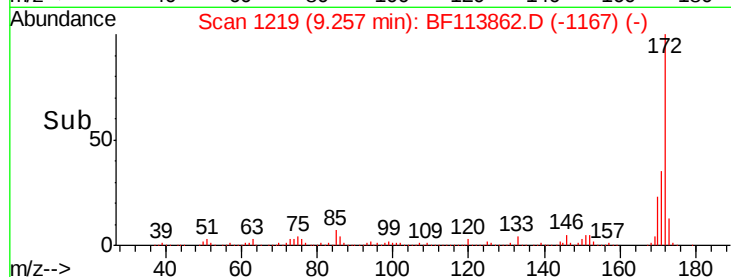
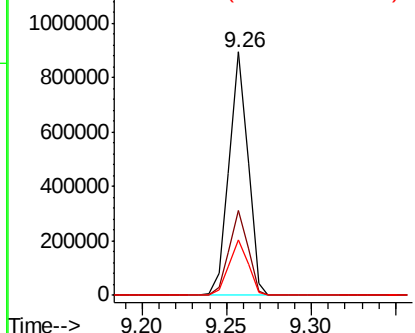
#45
2-Fluorobiphenyl
Concen: 35.157 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

Tgt Ion:172 Resp: 696445
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 22.9 19.9 29.9

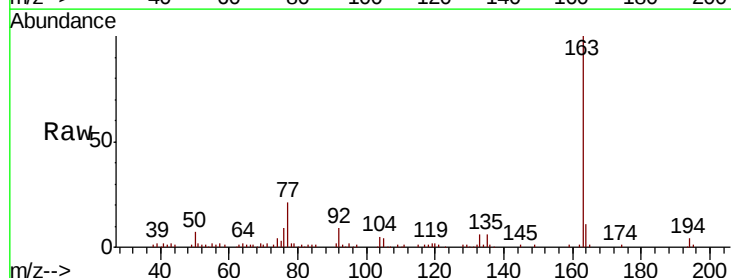


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

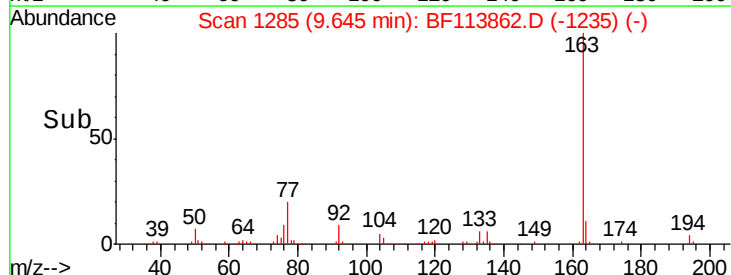
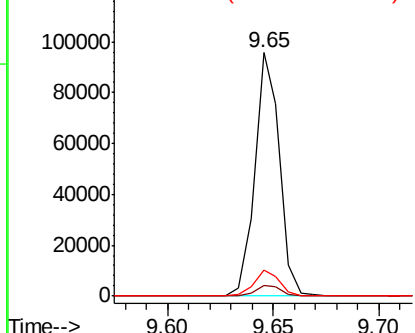


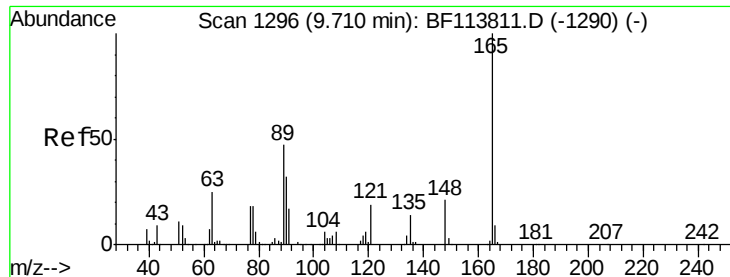
#50
Dimethylphthalate
Concen: 3.677 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

Tgt Ion:163 Resp: 77740
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.7 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

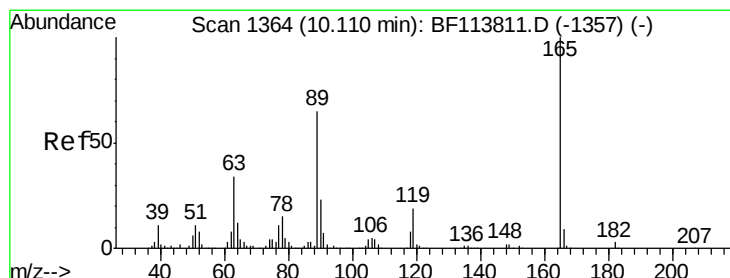
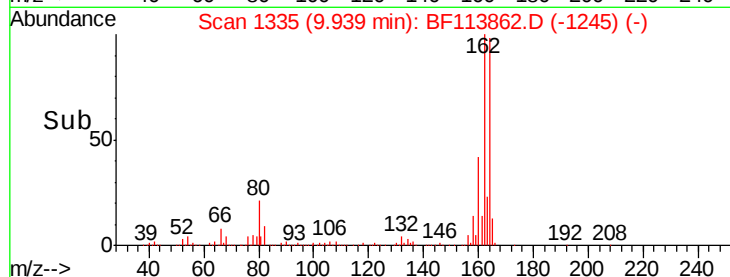
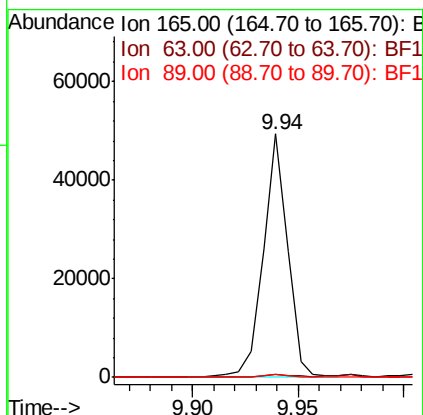
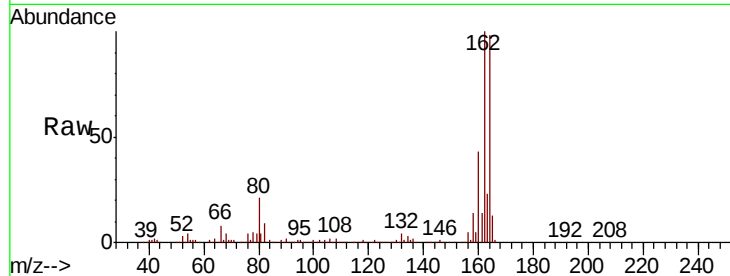




#51
 2,6-Dinitrotoluene
 Concen: 8.533 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

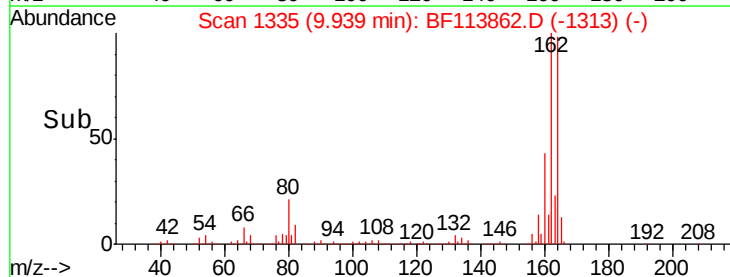
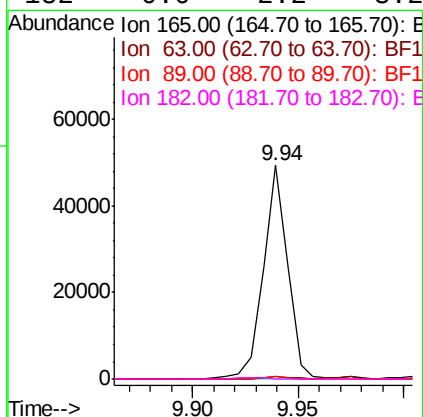
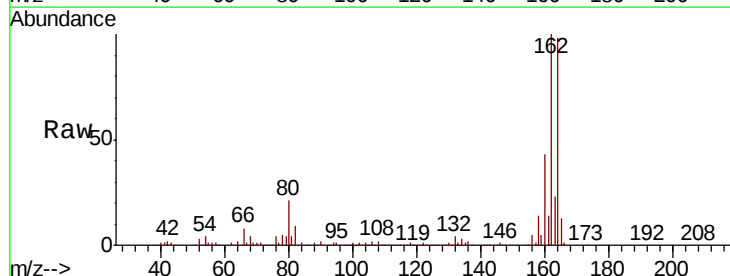
Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

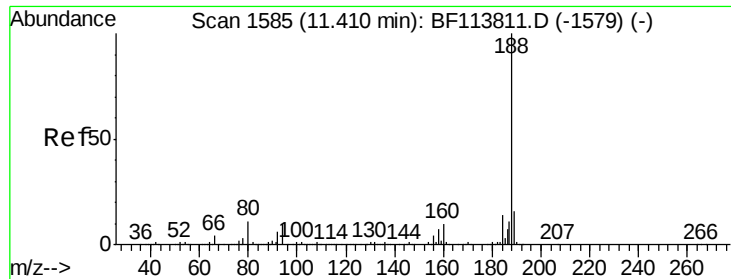
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.3	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.878 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF113862.D
 Acq: 19 Apr 2019 16:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.4	41.0#
89	1.3	51.8	77.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

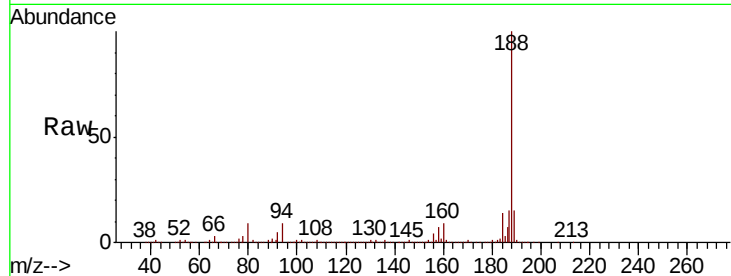
Tgt Ion:188 Resp: 550756

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.4

80 9.5 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

800000

600000

400000

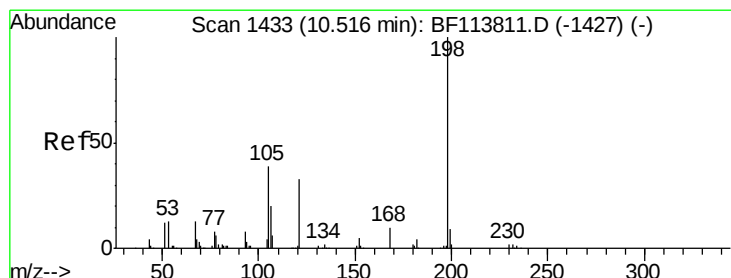
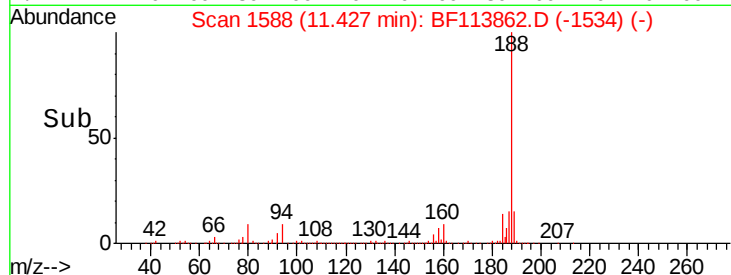
200000

0

11.43

11.40 11.45

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.967 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

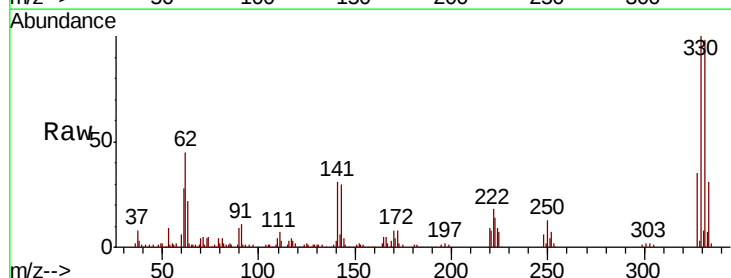
Tgt Ion:198 Resp: 107

Ion Ratio Lower Upper

198 100

51 302.0 11.1 51.1#

105 441.6 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

2000

1500

1000

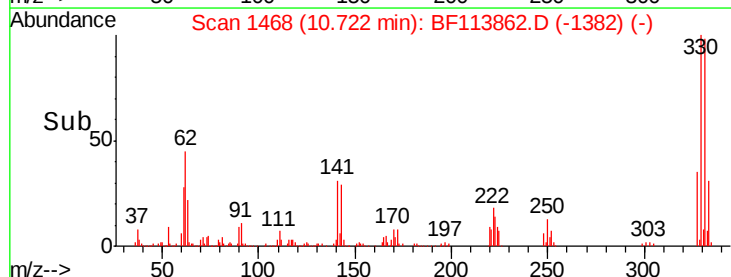
500

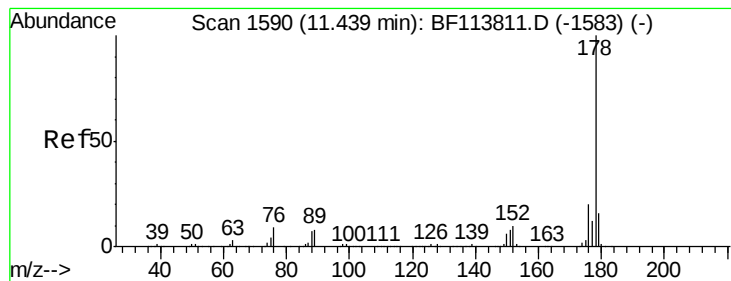
0

10.72

10.70 10.74

Time-->





#71

Phenanthrene

Concen: 3.028 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

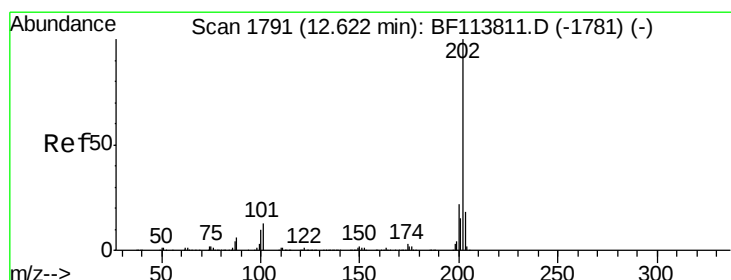
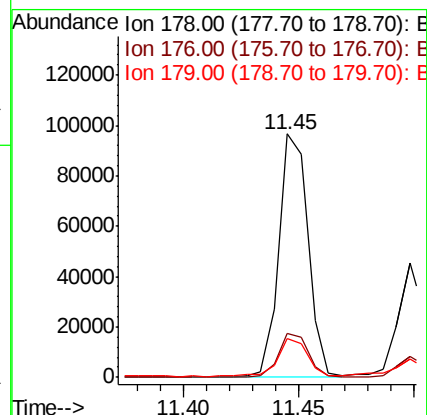
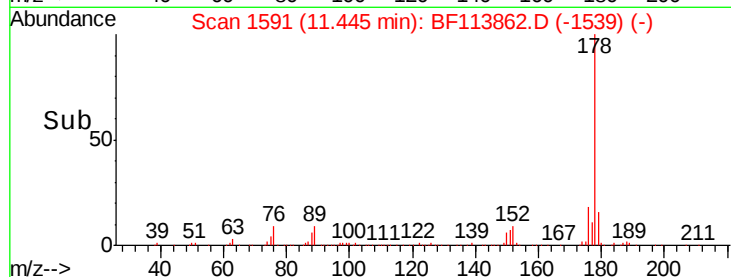
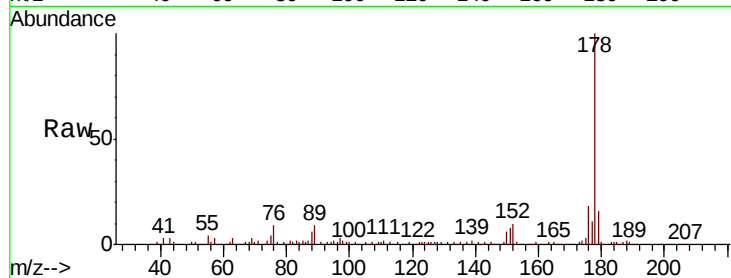
Tgt Ion:178 Resp: 84928

Ion Ratio Lower Upper

178 100

176 18.2 16.1 24.1

179 16.1 12.8 19.2



#75

Fluoranthene

Concen: 5.398 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.03 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

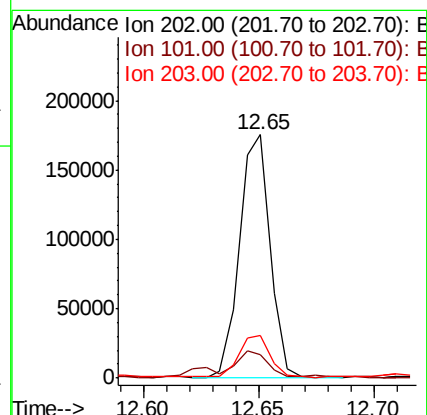
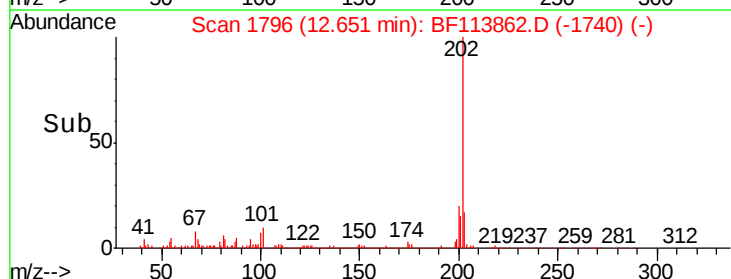
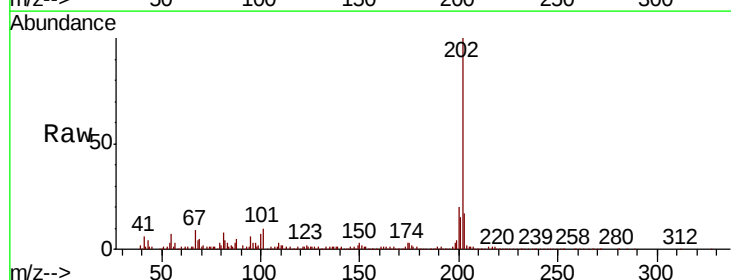
Tgt Ion:202 Resp: 160482

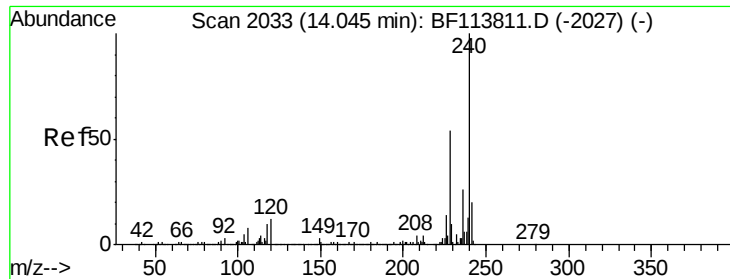
Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.9

203 17.3 0.0 38.2

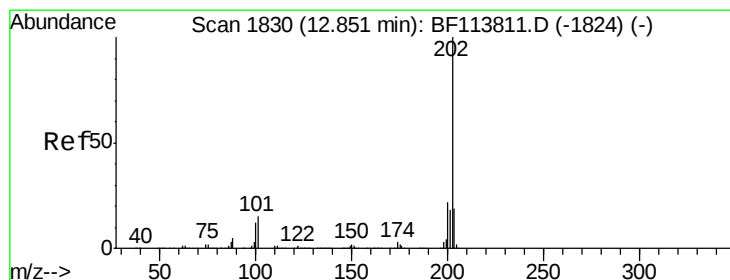
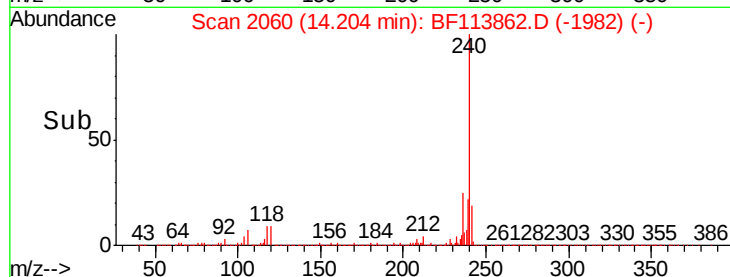
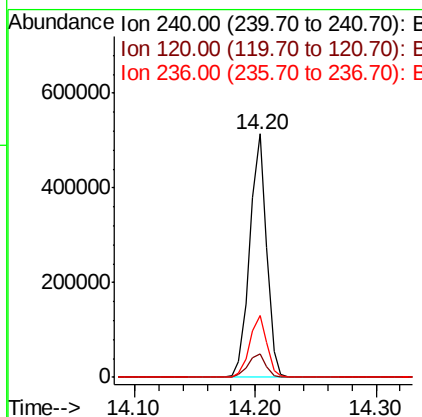
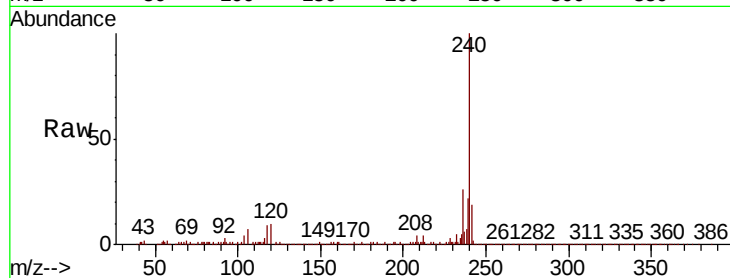




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.20 min Scan# 2060
Delta R.T. 0.16 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

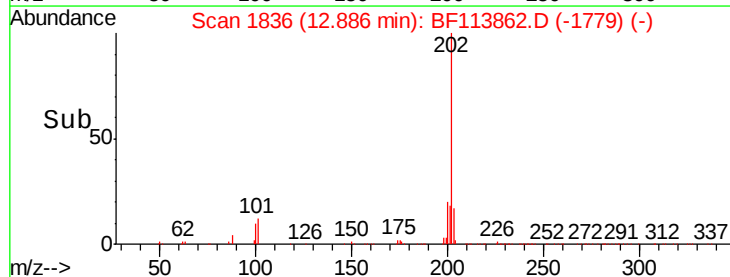
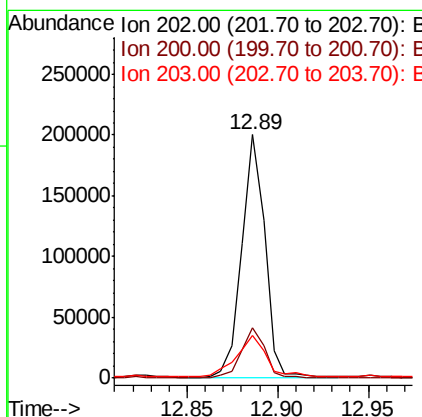
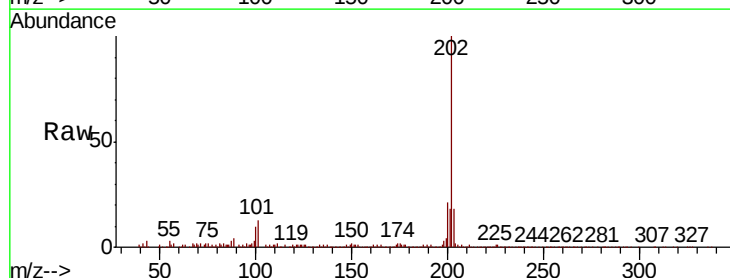
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

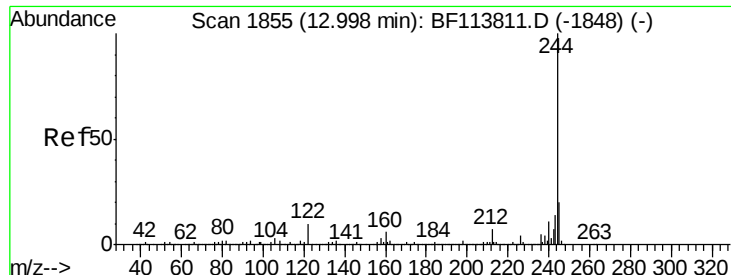
Tgt Ion:240 Resp: 501355
Ion Ratio Lower Upper
240 100
120 9.6 9.3 13.9
236 25.7 21.2 31.8



#78
Pyrene
Concen: 5.016 ng
RT: 12.89 min Scan# 1836
Delta R.T. 0.04 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

Tgt Ion:202 Resp: 177239
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.7 15.0 22.6





#79

Terphenyl-d14

Concen: 30.523 ng

RT: 13.04 min Scan# 1862

Delta R.T. 0.04 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

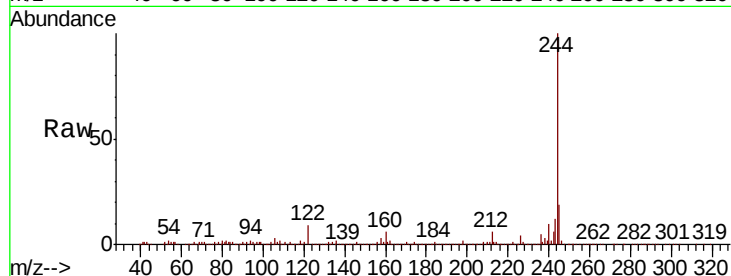
Tgt Ion:244 Resp: 729778

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

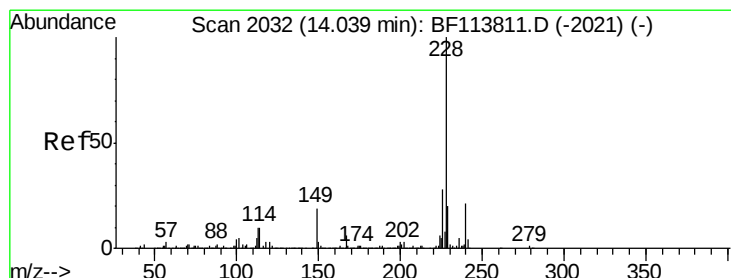
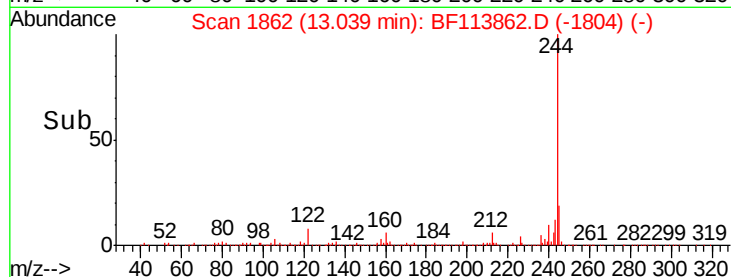
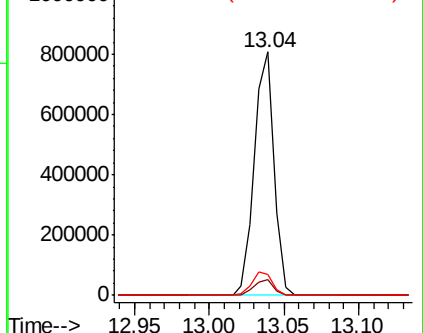
122 8.5 7.6 11.4



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: 3.233 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.15 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

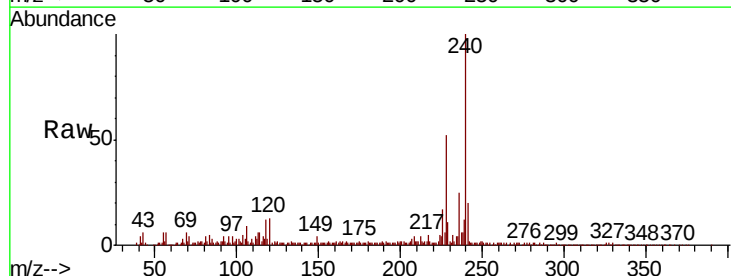
Tgt Ion:228 Resp: 94753

Ion Ratio Lower Upper

228 100

226 32.0 22.2 33.2

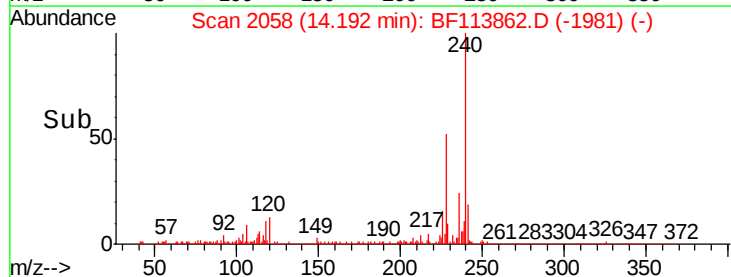
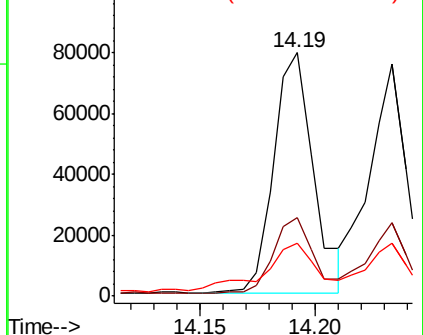
229 21.8 16.0 24.0

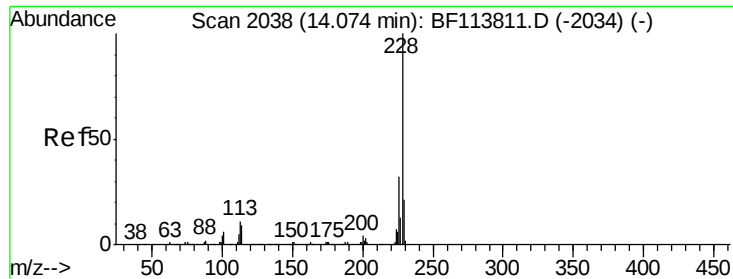


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.860 ng

RT: 14.23 min Scan# 2065

Delta R.T. 0.16 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

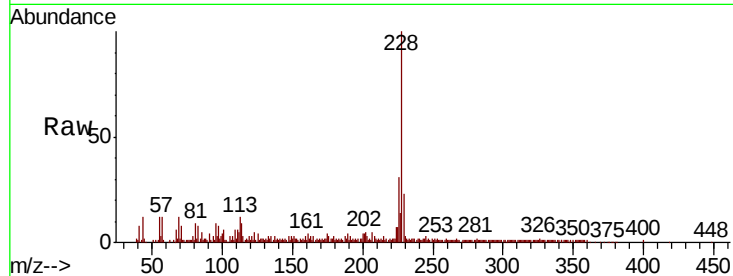
Tgt Ion:228 Resp: 83192

Ion Ratio Lower Upper

228 100

226 31.3 25.2 37.8

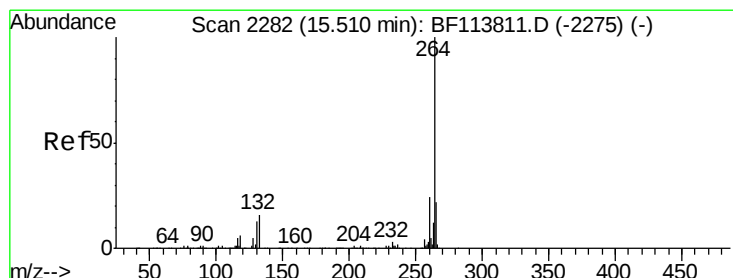
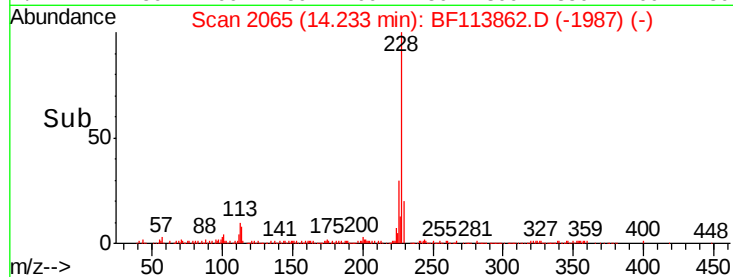
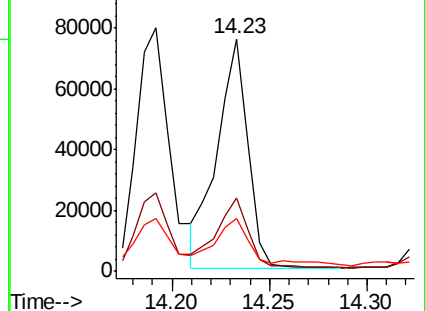
229 22.7 16.7 25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.94 min Scan# 2356

Delta R.T. 0.44 min

Lab File: BF113862.D

Acq: 19 Apr 2019 16:55

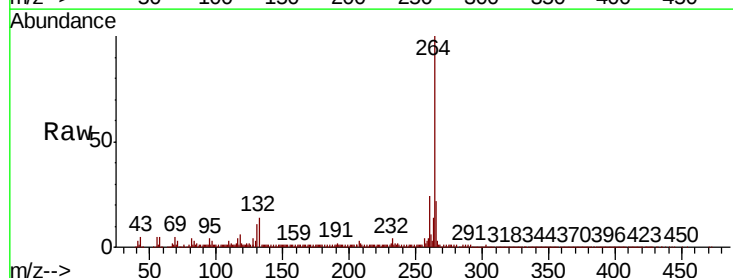
Tgt Ion:264 Resp: 392808

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

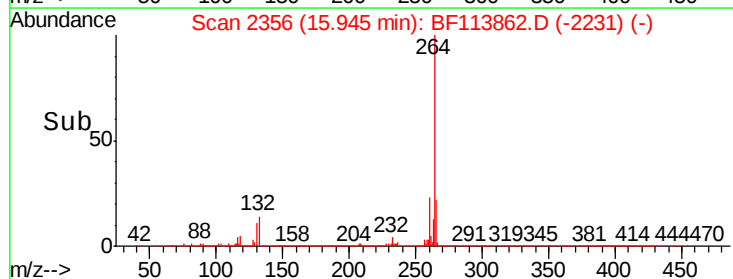
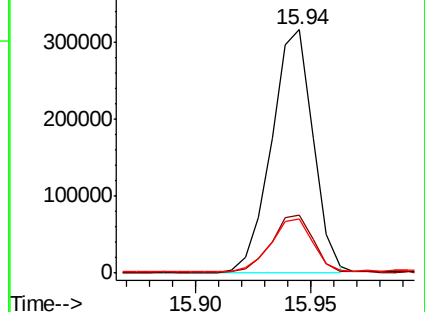
265 22.1 17.3 25.9

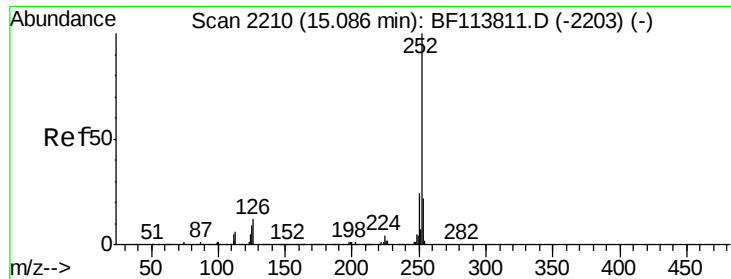


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

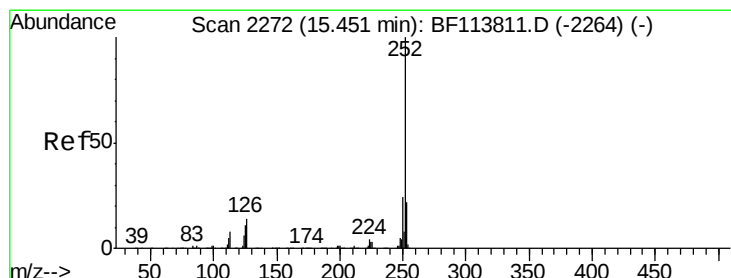
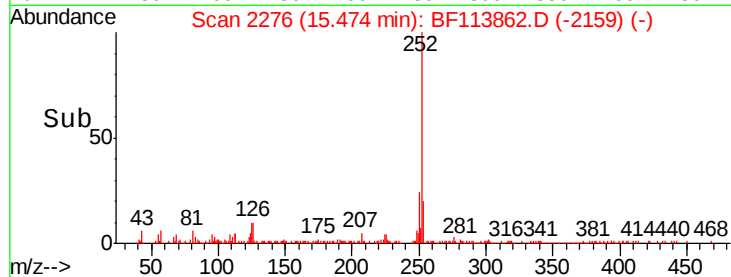
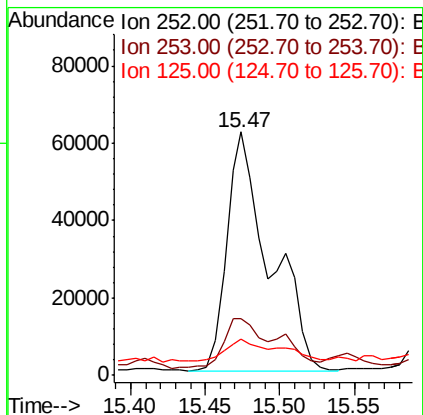
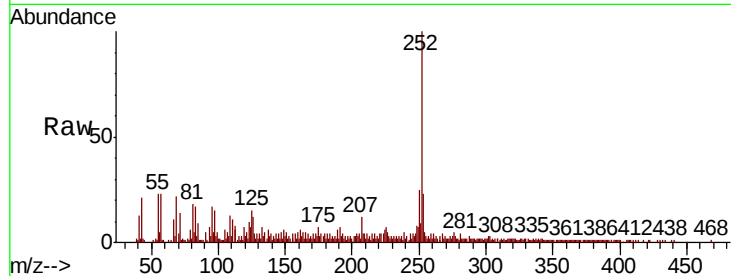




#88
Benzo(b)fluoranthene
Concen: 5.066 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.39 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

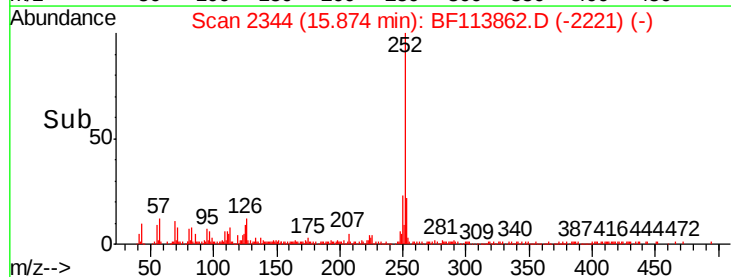
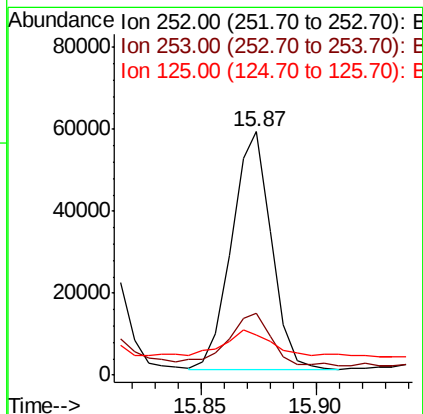
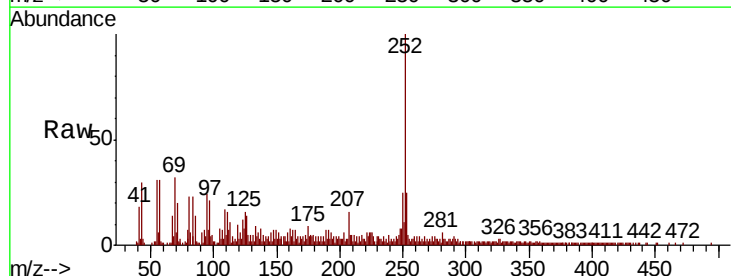
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

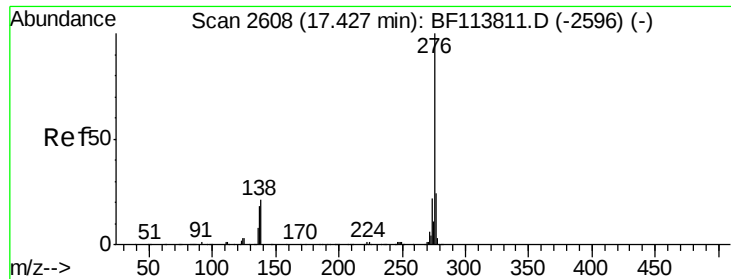
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	14.9	7.0	10.6



#90
Benzo(a)pyrene
Concen: 3.187 ng
RT: 15.87 min Scan# 2344
Delta R.T. 0.42 min
Lab File: BF113862.D
Acq: 19 Apr 2019 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	16.2	8.5	12.7





#92

Benzo(g,h,i)perylene

Concen: 2.127 ng

RT: 17.94 min Scan# 2695

Delta R.T. 0.51 min

Lab File: BF113862.D

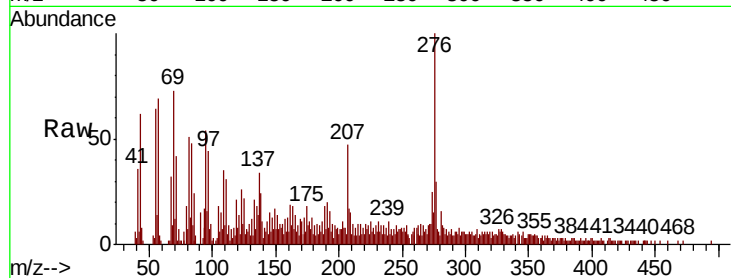
Acq: 19 Apr 2019 16:55

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B



Tgt Ion:	276	Resp:	41659
Ion	Ratio	Lower	Upper
276	100		
277	30.2	19.0	28.4#
138	23.6	16.6	25.0

