

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113839.D
 Acq On : 19 Apr 2019 1:48
 Operator : JU/SJ
 Sample : K2197-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 04:57:06 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	148564	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	501366	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	241062	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	524963	20.00	ng	0.00
76) Chrysene-d12	14.04	240	521099	20.00	ng	0.00
87) Perylene-d12	15.52	264	401512	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	413286	46.26	ng	0.00
7) Phenol-d6	6.51	99	496898	44.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	264232	32.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	142898	53.65	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	515441	32.61	ng	0.00
79) Terphenyl-d14	12.99	244	773017	31.11	ng	0.00

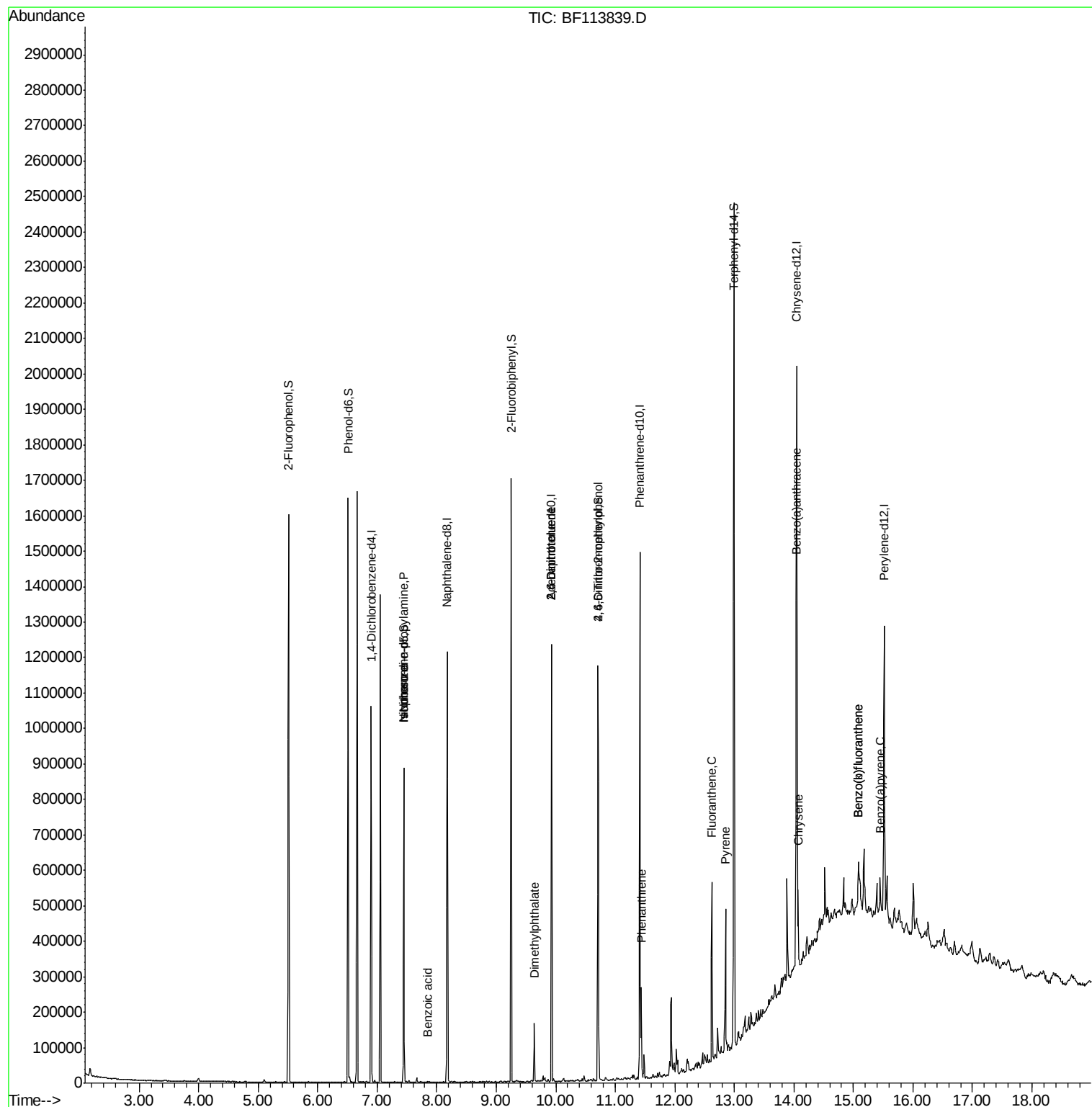
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	662	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	34194	4.598	ng	# 80
25) Isophorone	7.45	82	264227	15.500	ng	# 65
32) Benzoic acid	7.85	122	122	5.949	ng	# 67
50) Dimethylphthalate	9.64	163	57573	3.413	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	30611	8.222	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	30611	6.627	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.71	198	147	6.985	ng	# 1
71) Phenanthrene	11.43	178	83571	3.126	ng	# 98
75) Fluoranthene	12.62	202	178622	6.304	ng	# 98
78) Pyrene	12.85	202	158090	4.305	ng	# 97
81) Benzo(a)anthracene	14.03	228	91908	3.017	ng	# 97
83) Chrysene	14.07	228	80447	2.661	ng	# 96
88) Benzo(b)fluoranthene	15.09	252	102292	4.087	ng	# 87
89) Benzo(k)fluoranthene	15.09	252	102292	4.487	ng	# 89
90) Benzo(a)pyrene	15.45	252	48444	2.189	ng	# 93

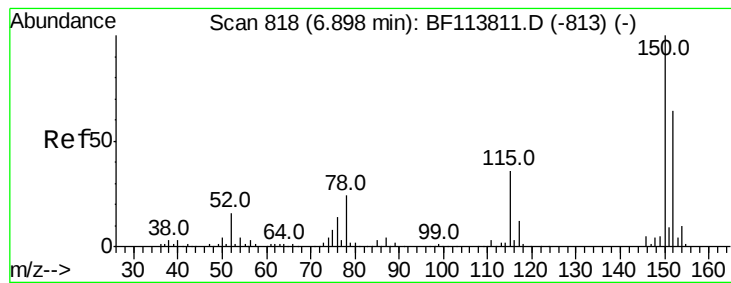
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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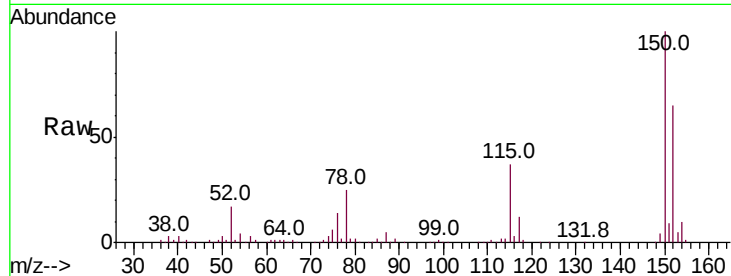


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.9	188.9
115	57.8	45.9	68.9

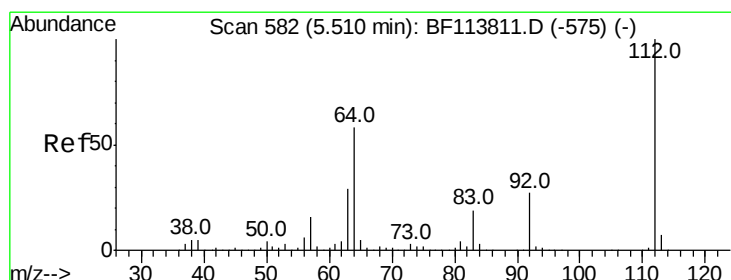
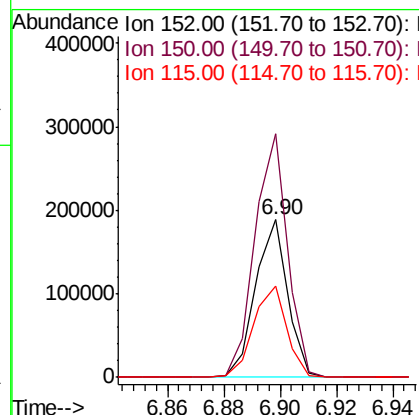
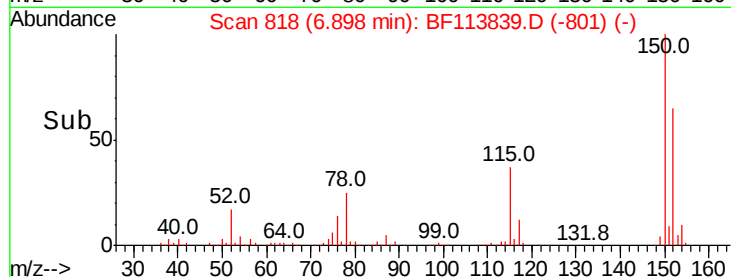


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

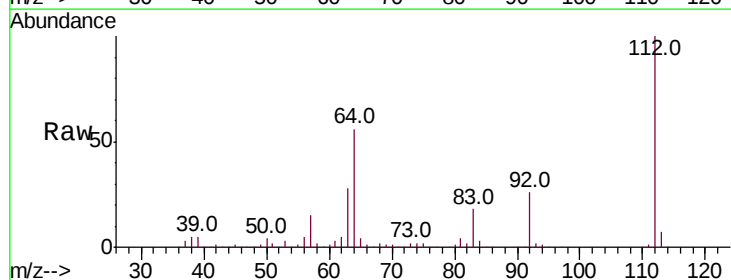
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.256 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	69.8
63	27.9	23.1	34.7

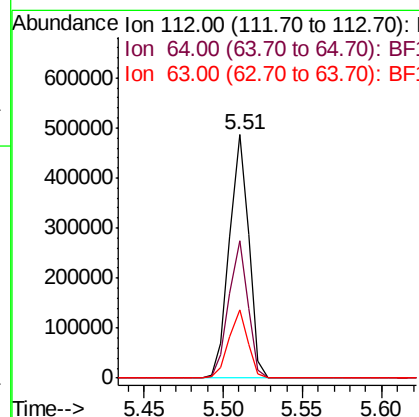
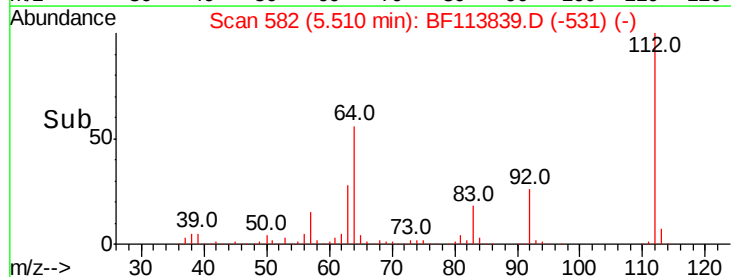


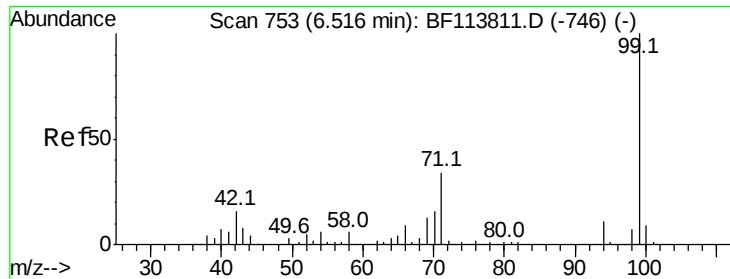
Abundance

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: 44.596 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

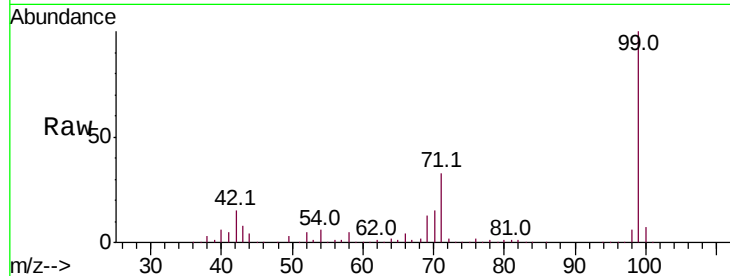
Tot Ion: 99 Resp: 496898

Ion Ratio Lower Upper

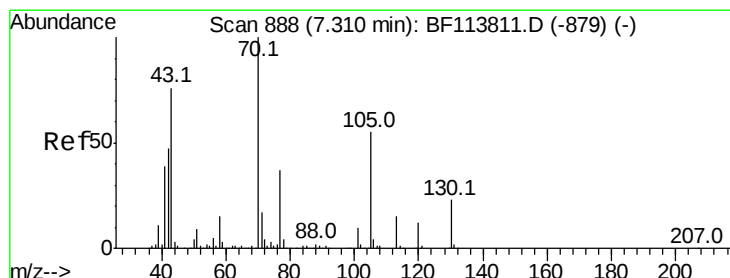
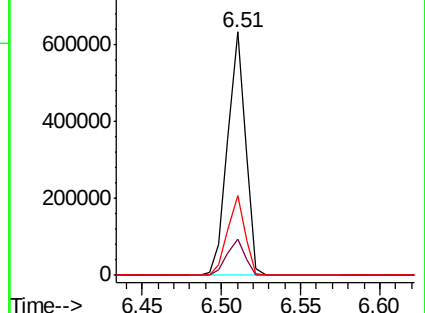
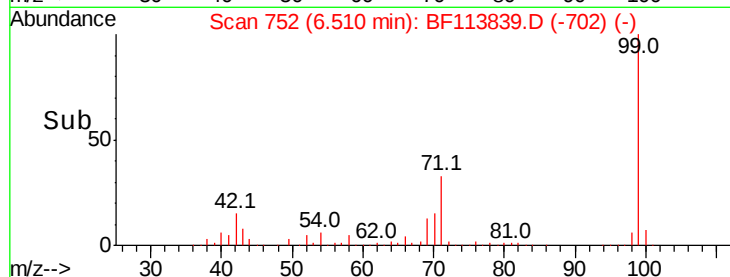
99 100

42 15.0 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: 4.598 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Tgt Ion: 70 Resp: 34194

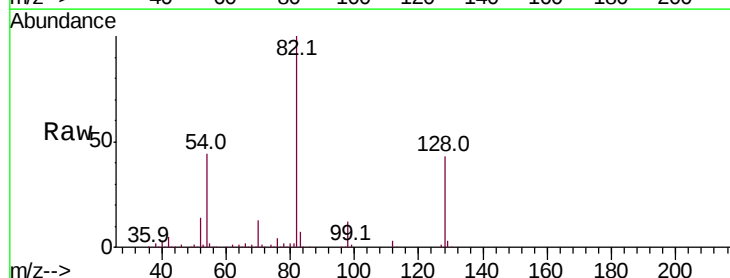
Ion Ratio Lower Upper

70 100

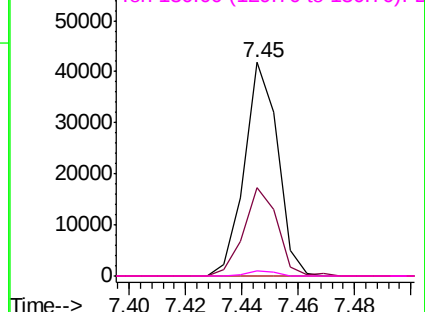
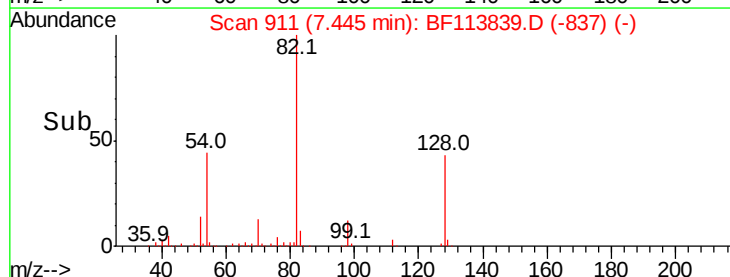
42 41.3 37.3 55.9

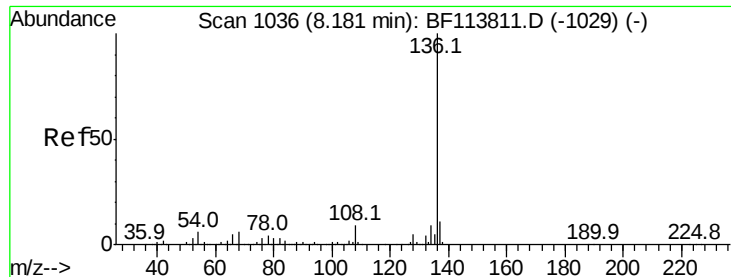
101 0.0 7.8 11.8#

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: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 501366

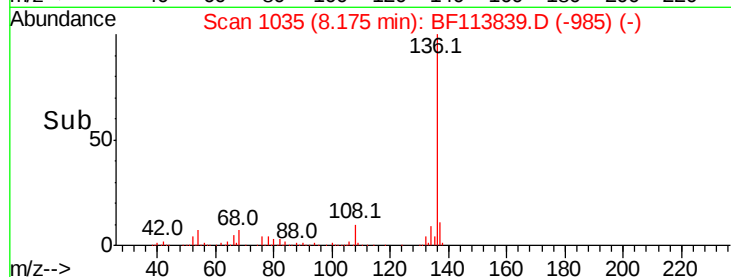
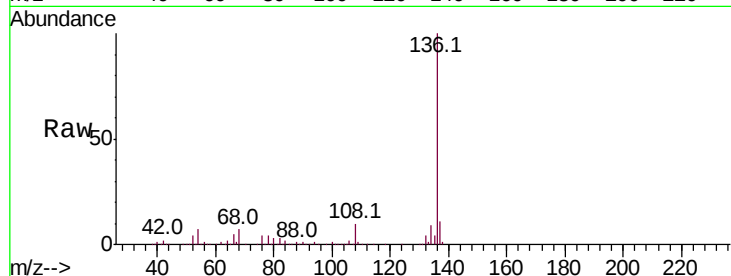
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.8 5.0 7.6

68 6.8 4.9 7.3

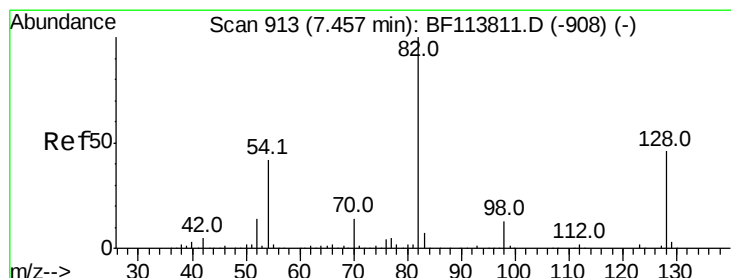
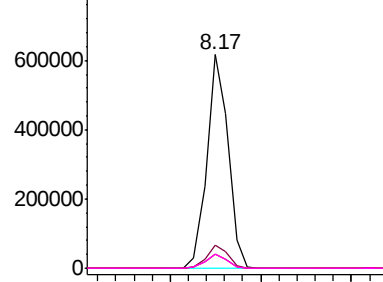


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.094 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

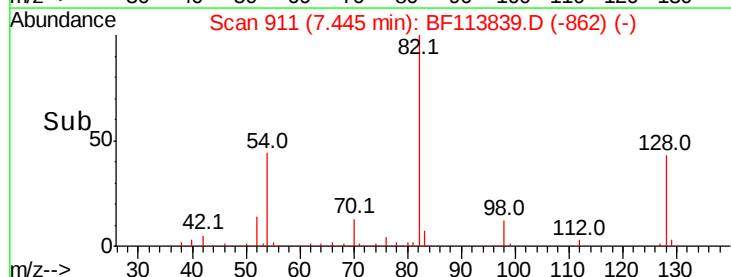
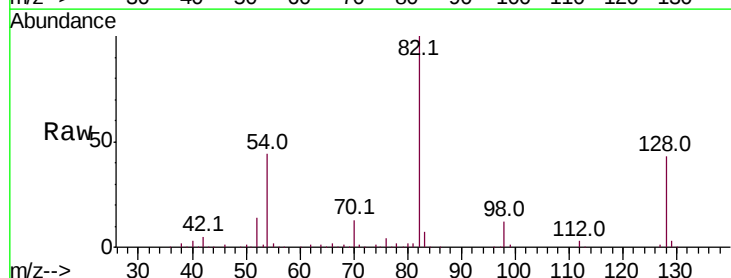
Tgt Ion: 82 Resp: 264232

Ion Ratio Lower Upper

82 100

128 42.6 36.8 55.2

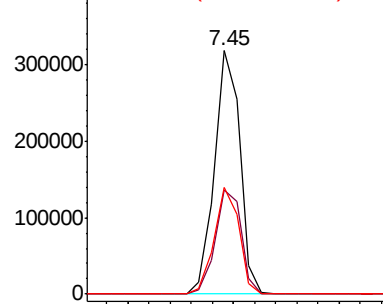
54 43.9 33.8 50.6

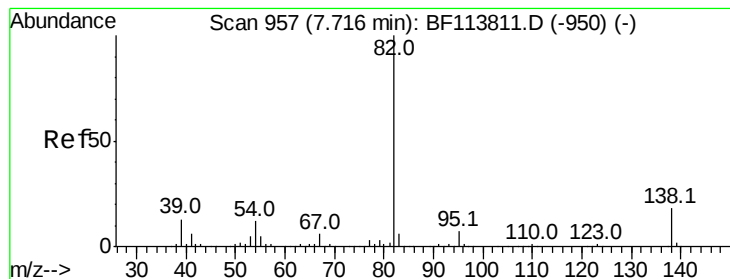


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.500 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

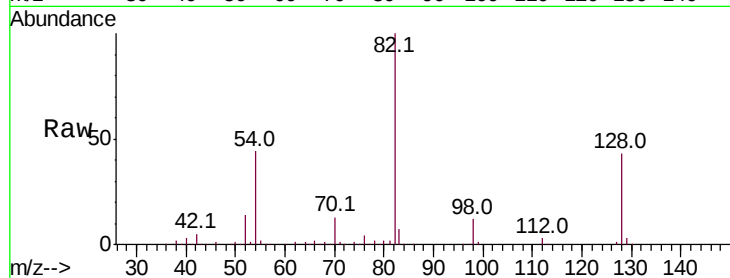
Tot Ion: 82 Resp: 264227

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

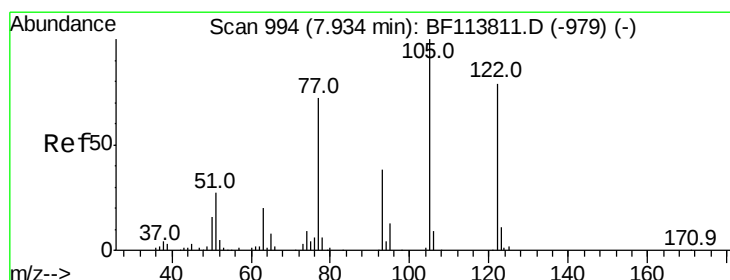
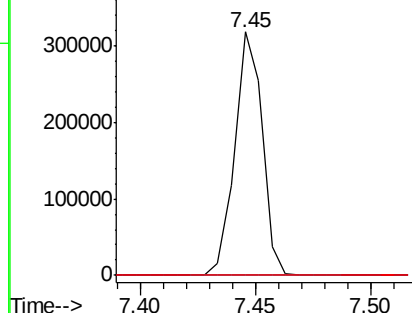
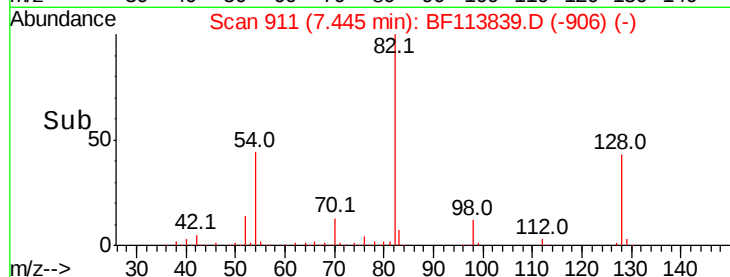
138 0.0 14.6 22.0#



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: 5.949 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.09 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

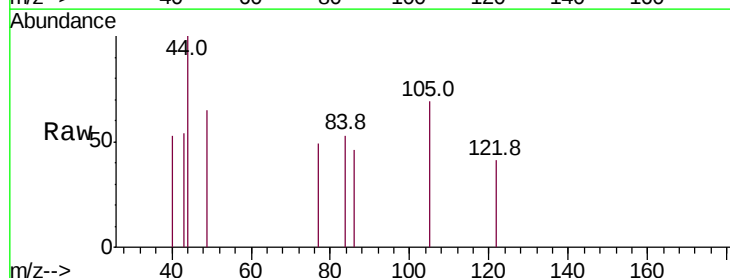
Tgt Ion:122 Resp: 122

Ion Ratio Lower Upper

122 100

105 165.7 104.3 144.3#

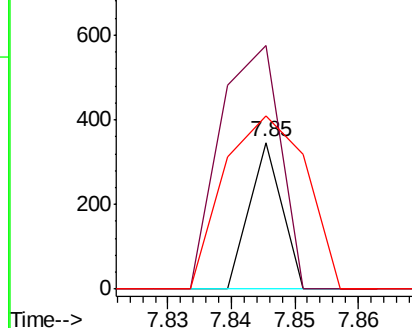
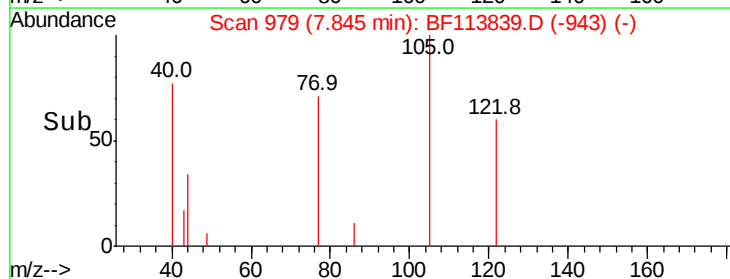
77 117.6 70.4 110.4#

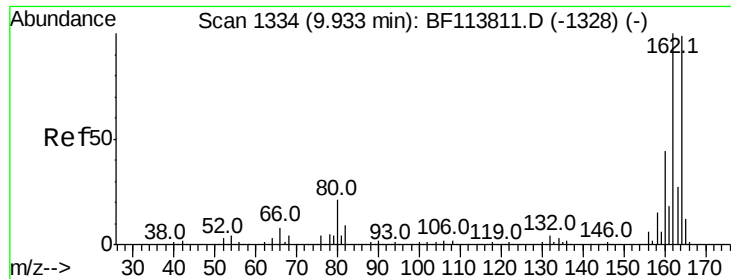


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

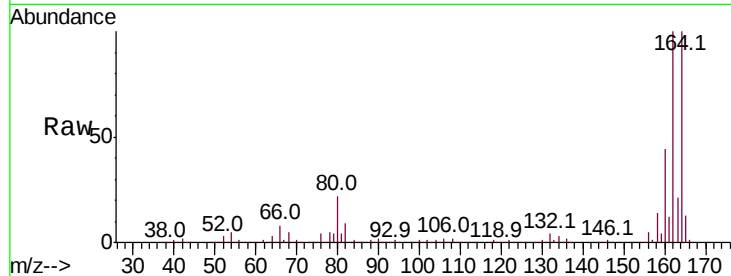




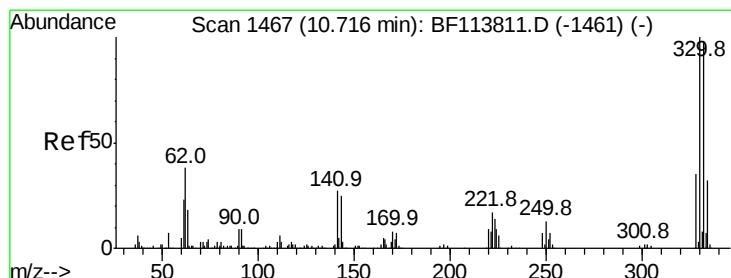
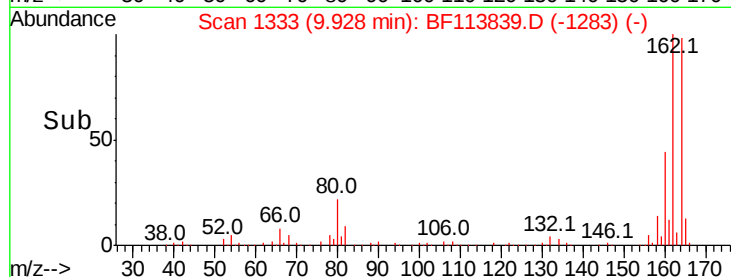
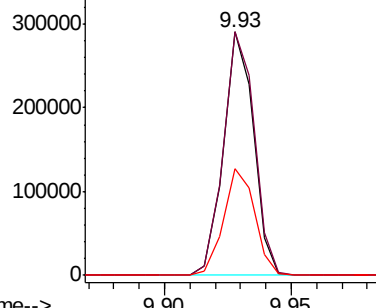
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 241062
Ion Ratio Lower Upper
164 100
162 100.0 81.1 121.7
160 43.6 35.8 53.6

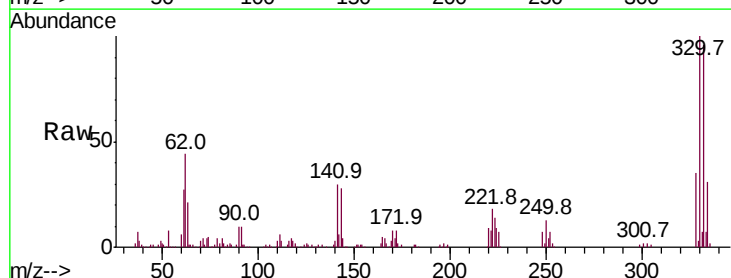


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

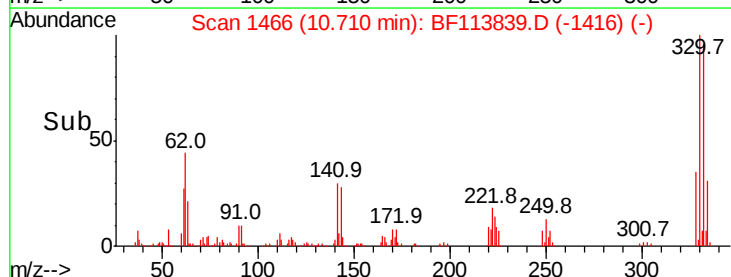
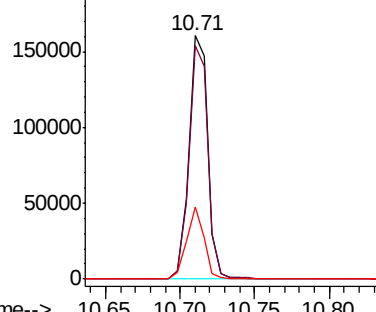


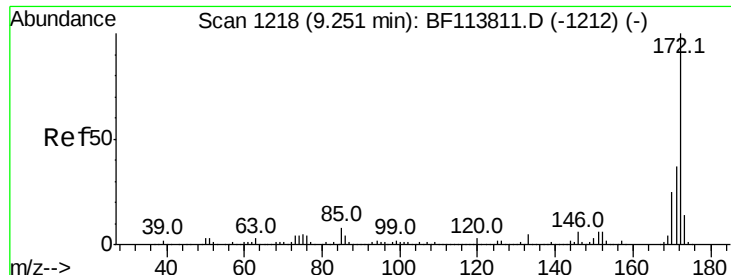
#42
2,4,6-Tribromophenol
Concen: 53.655 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

Tgt Ion:330 Resp: 142898
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 26.9 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

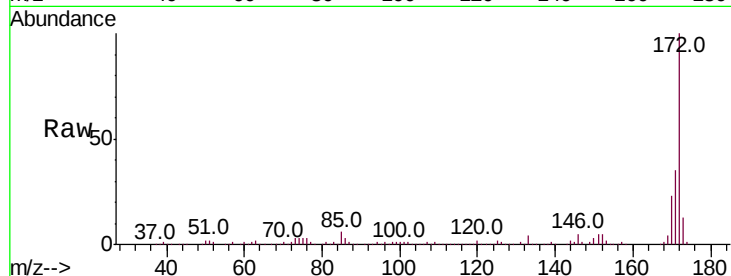




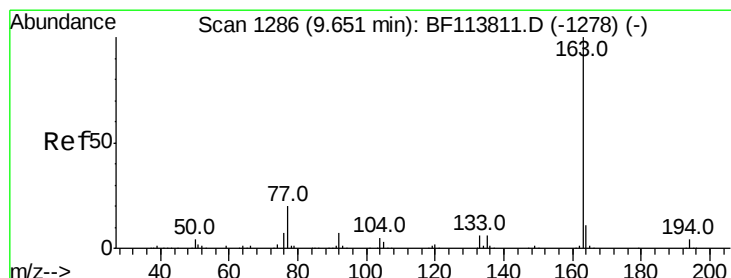
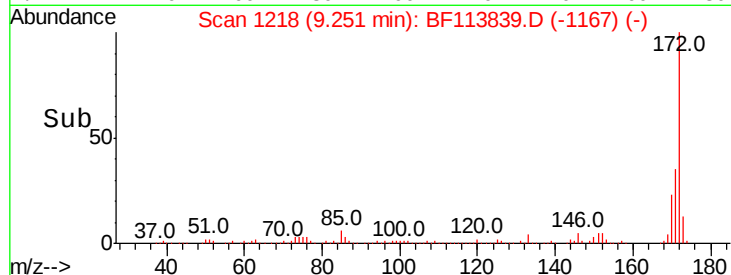
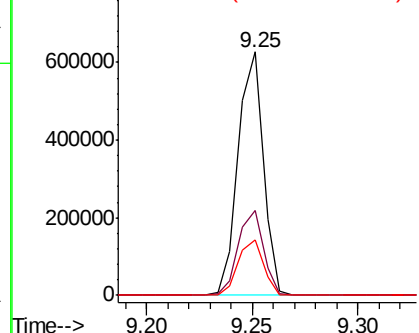
#45
 2-Fluorobiphenyl
 Concen: 32.609 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.4	44.0
170	22.8	19.9	29.9

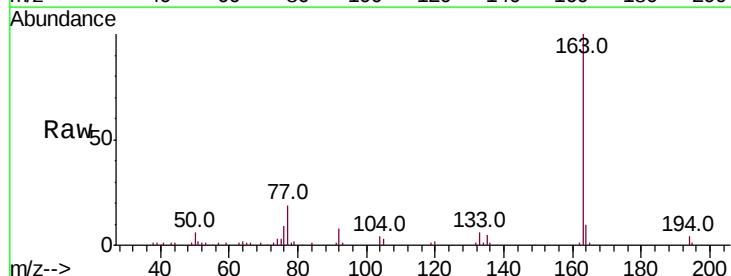


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

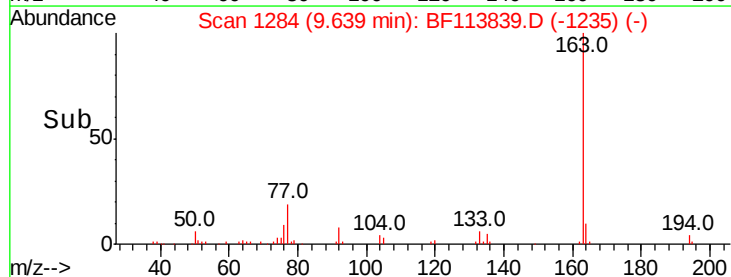
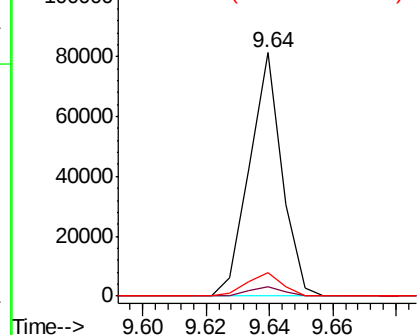


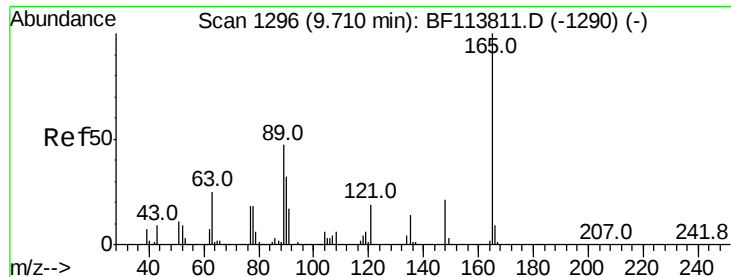
#50
 Dimethylphthalate
 Concen: 3.413 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.7	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

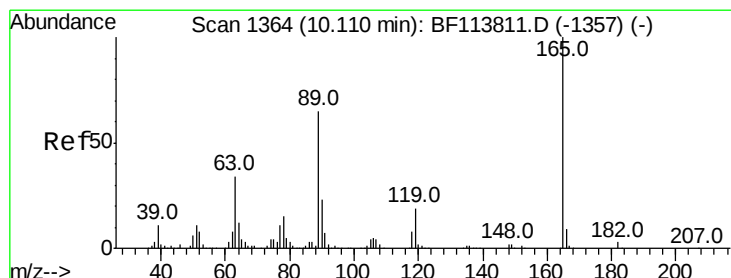
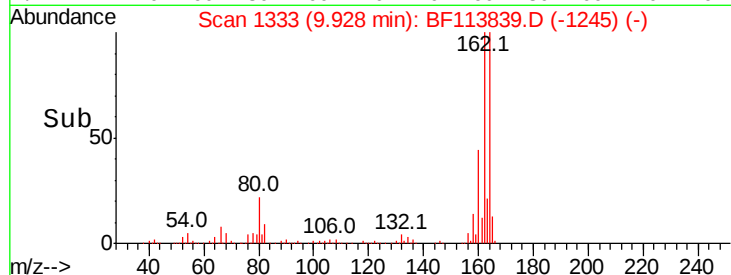
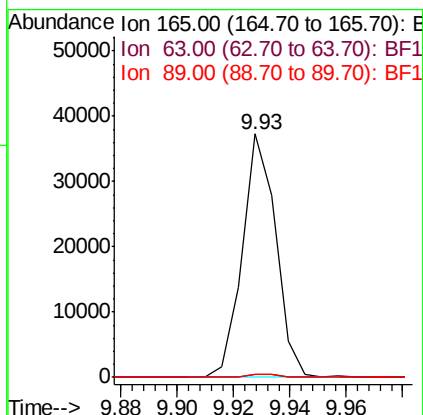
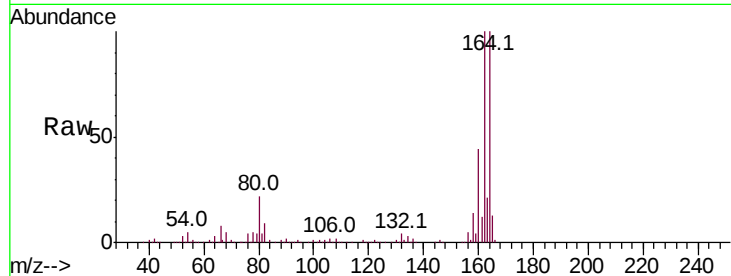




#51
 2,6-Dinitrotoluene
 Concen: 8.222 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

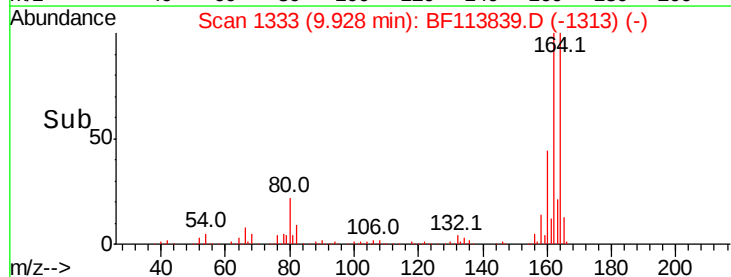
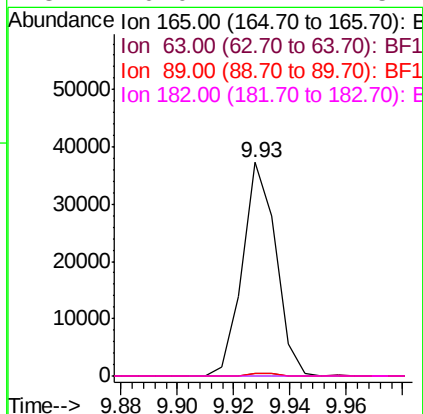
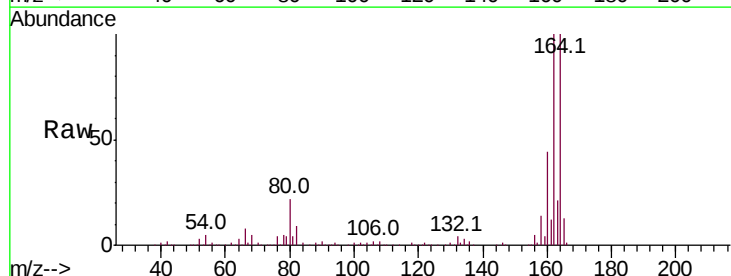
Instrument :
 BNA_F
 ClientSampleId :

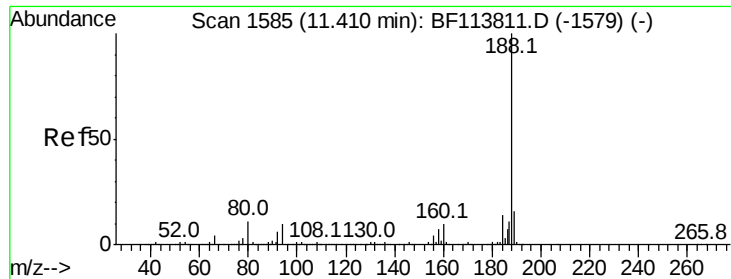
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.1	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.627 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.4	41.0#
89	1.1	51.8	77.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

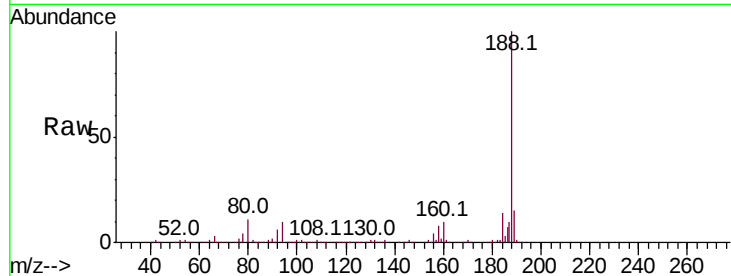
Tot Ion:188 Resp: 524963

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.4

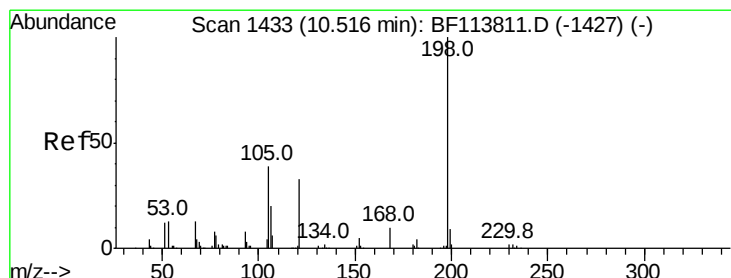
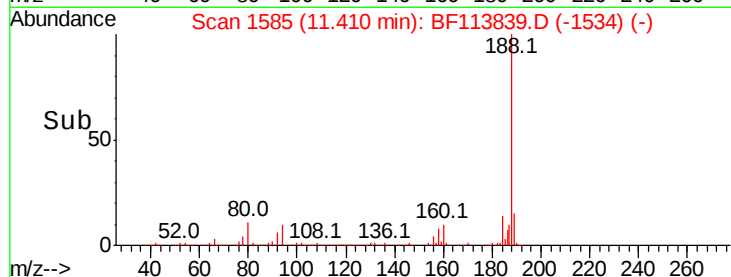
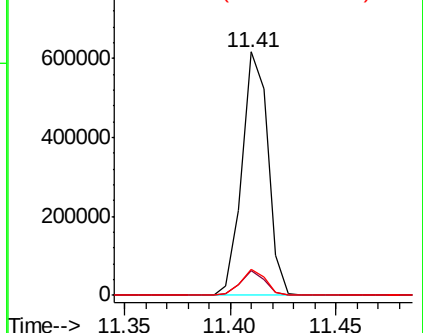
80 10.7 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.985 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

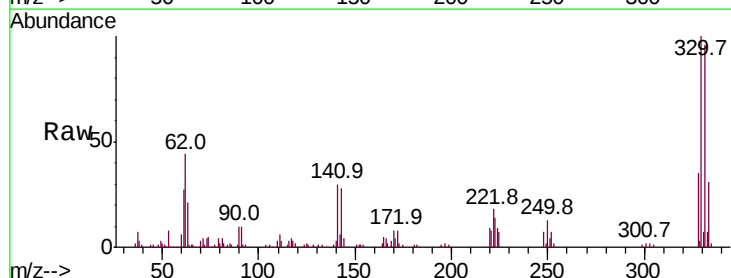
Tgt Ion:198 Resp: 147

Ion Ratio Lower Upper

198 100

51 197.8 11.1 51.1#

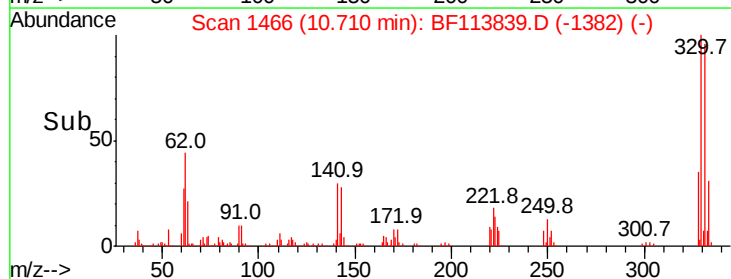
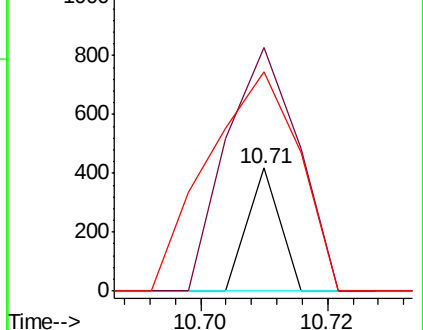
105 178.7 20.7 60.7#

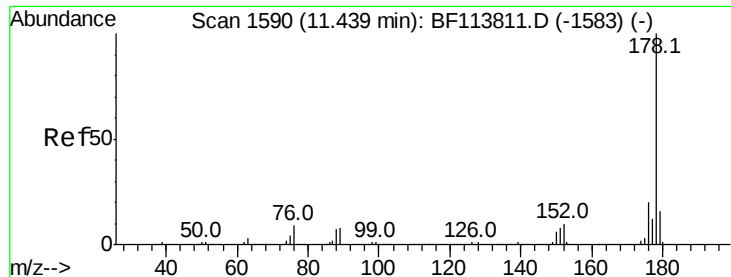


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 3.126 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampled :

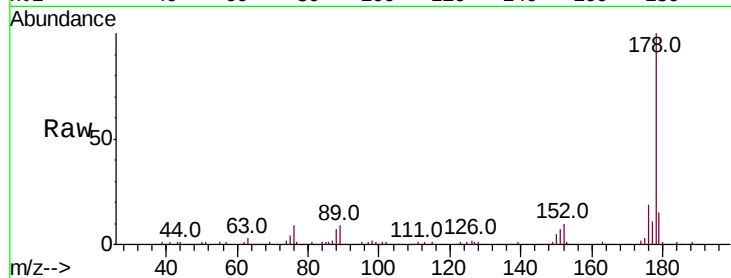
Tot Ion:178 Resp: 83571

Ion Ratio Lower Upper

178 100

176 19.4 16.1 24.1

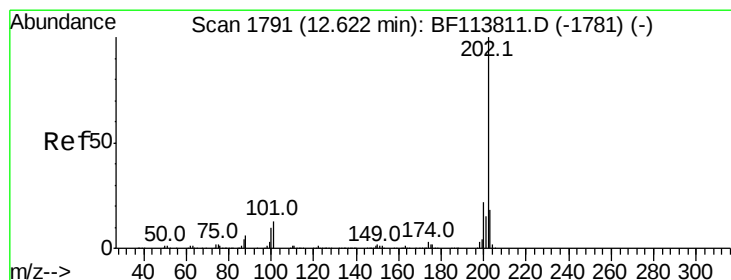
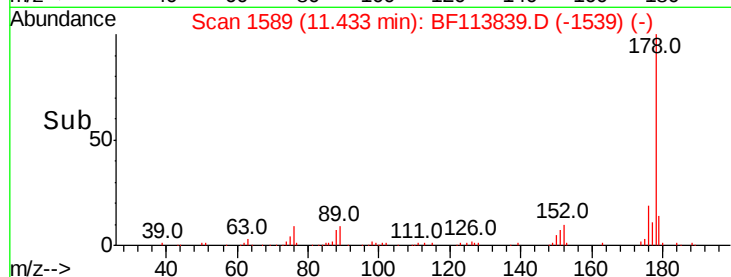
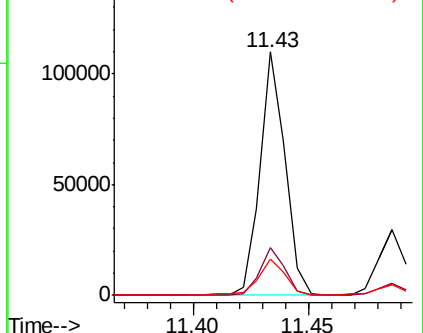
179 14.7 12.8 19.2



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



#75

Fluoranthene

Concen: 6.304 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

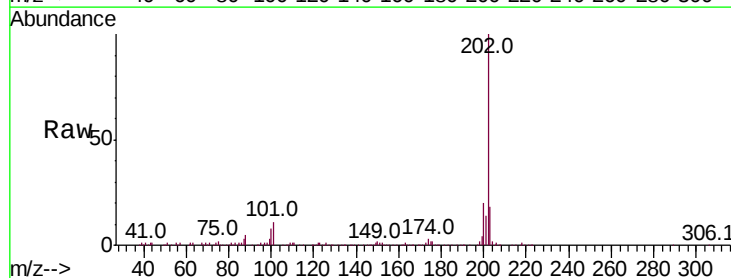
Tgt Ion:202 Resp: 178622

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.9

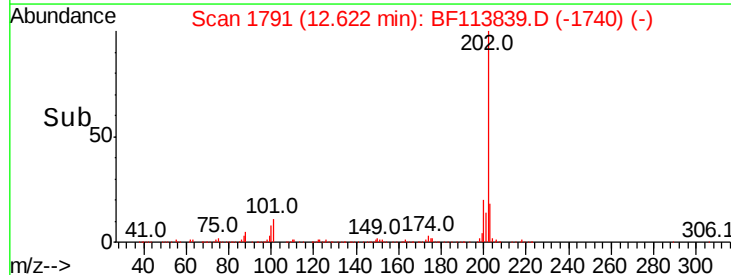
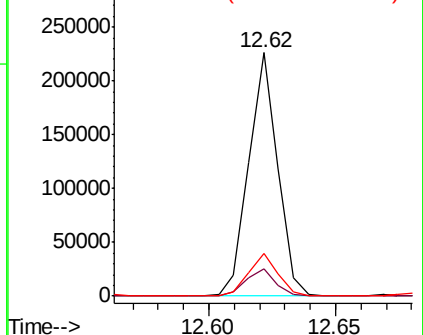
203 17.7 0.0 38.2

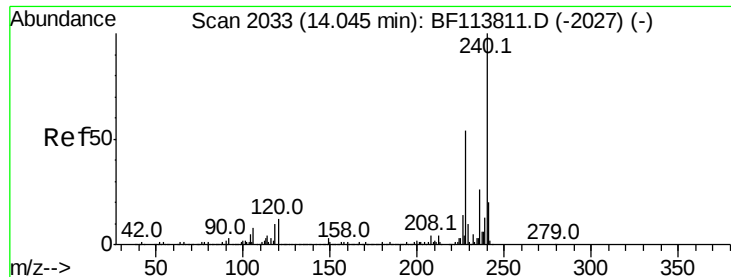


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

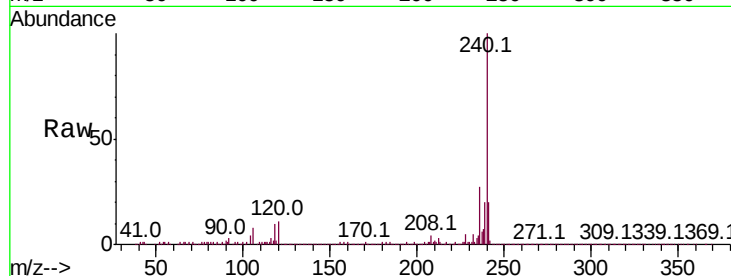
Tot Ion:240 Resp: 521099

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

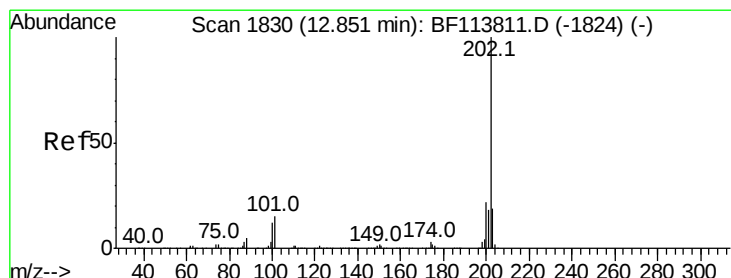
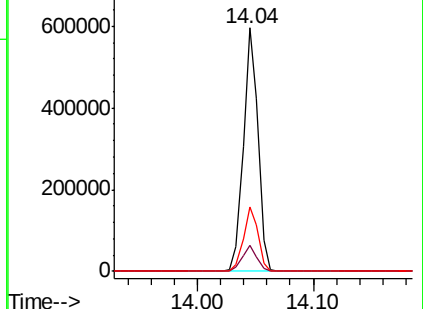
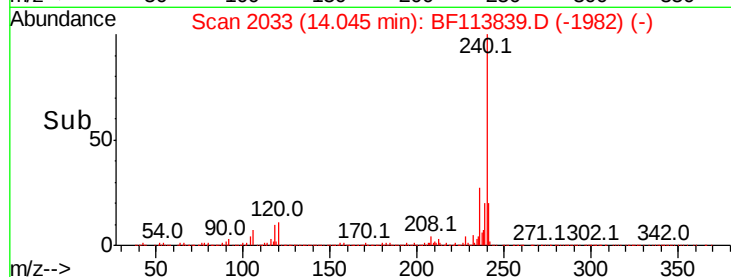
236 26.6 21.2 31.8



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

Pyrene

Concen: 4.305 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

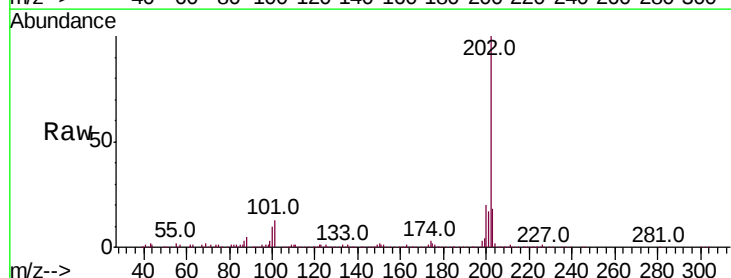
Tgt Ion:202 Resp: 158090

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

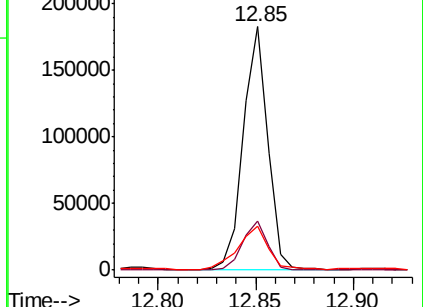
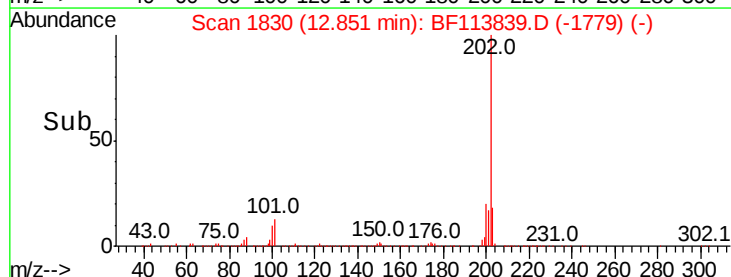
203 18.0 15.0 22.6

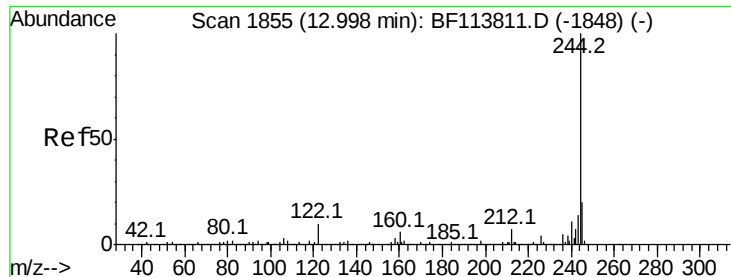


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

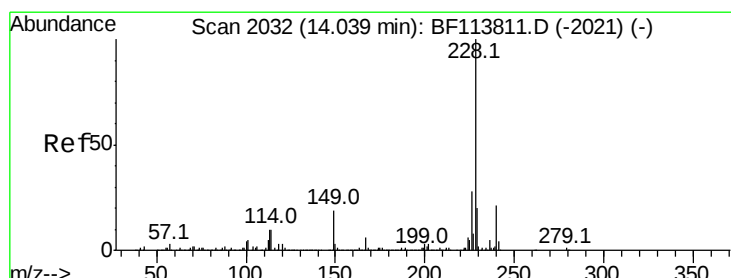
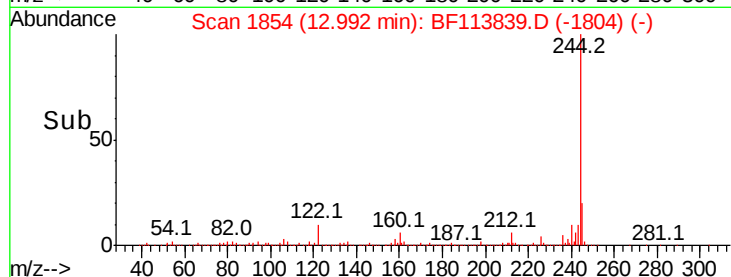
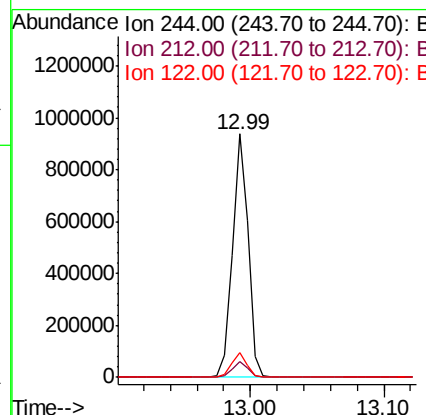
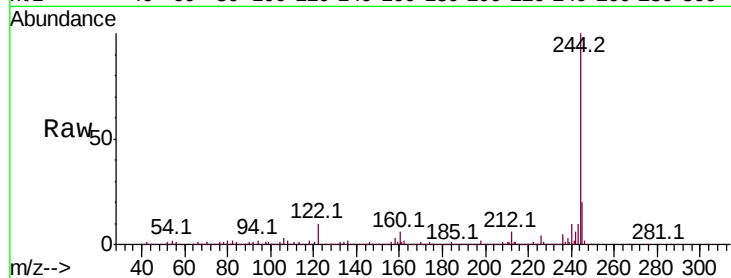




#79
 Terphenyl-d14
 Concen: 31.107 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

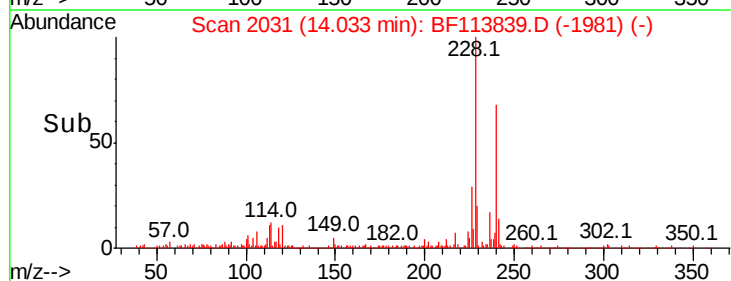
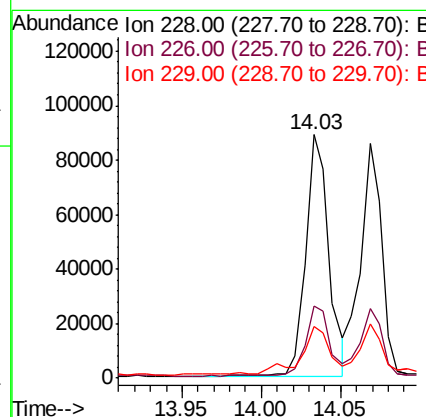
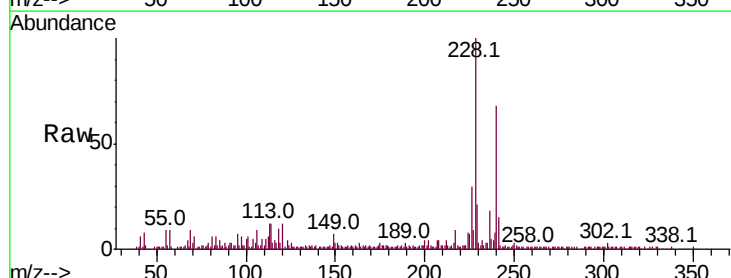
Instrument :
 BNA_F
 ClientSampleId :

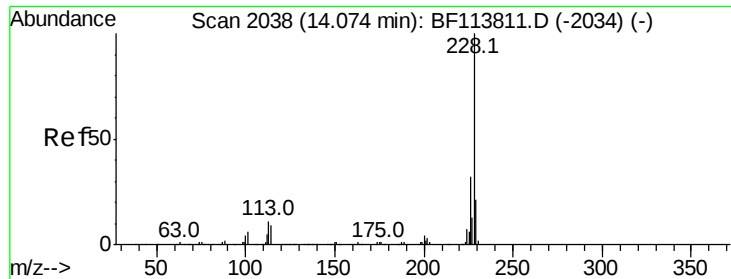
Tot Ion:244 Resp: 773017
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.3 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 3.017 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF113839.D
 Acq: 19 Apr 2019 1:48

Tgt Ion:228 Resp: 91908
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.2 33.2
 229 21.2 16.0 24.0





#83

Chrysene

Concen: 2.661 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampled :

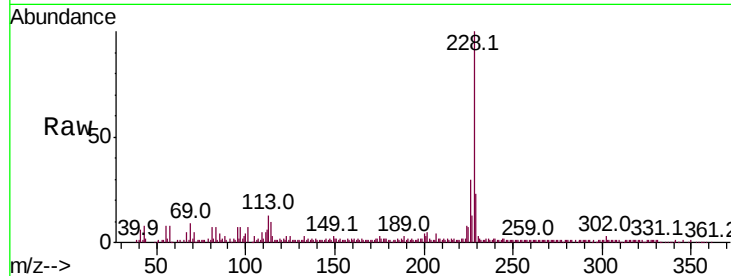
Tot Ion:228 Resp: 80447

Ion Ratio Lower Upper

228 100

226 29.7 25.2 37.8

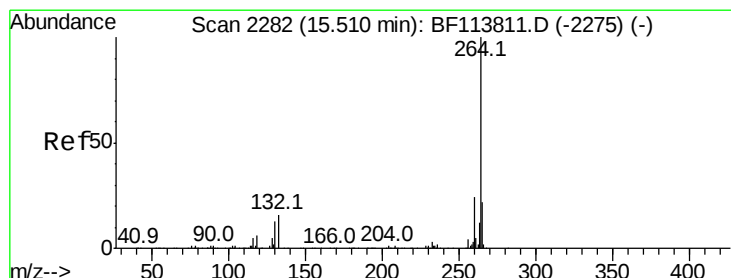
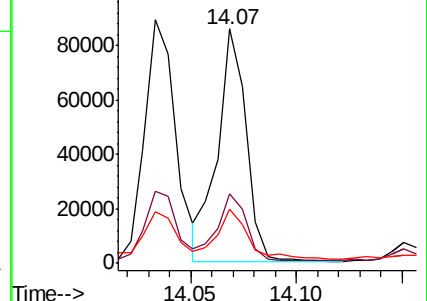
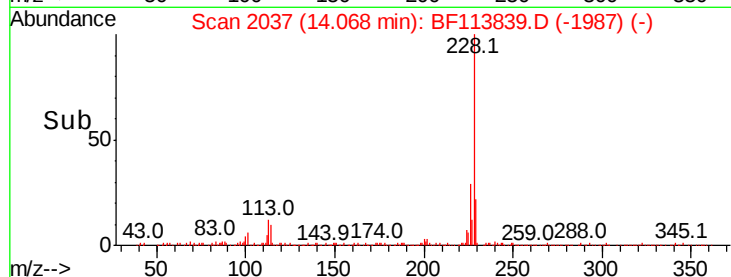
229 23.2 16.7 25.1



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: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

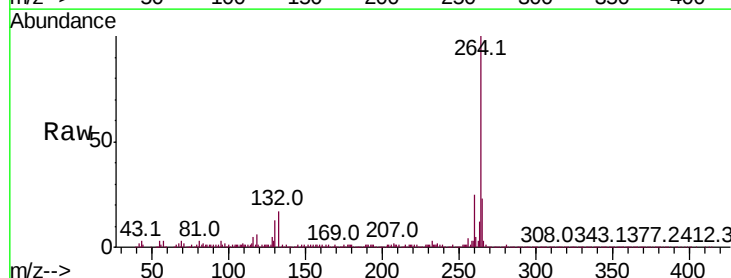
Tgt Ion:264 Resp: 401512

Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

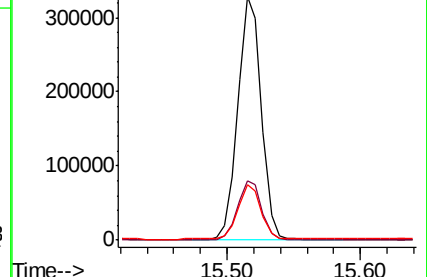
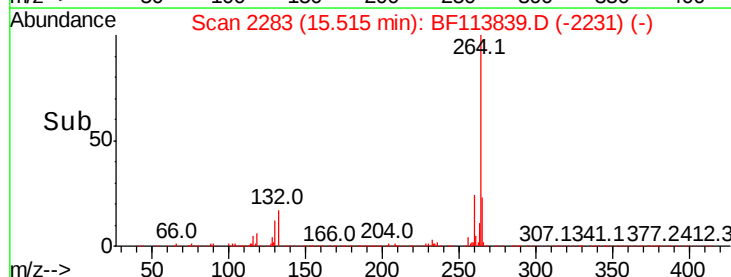
265 22.9 17.3 25.9

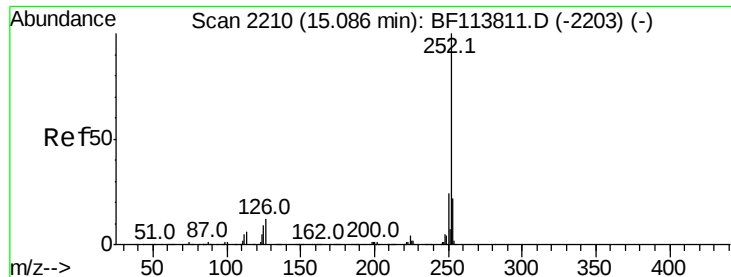


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

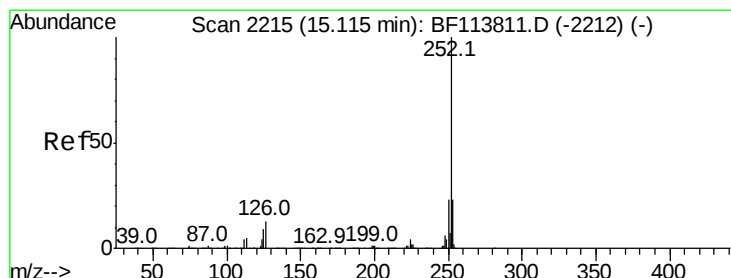
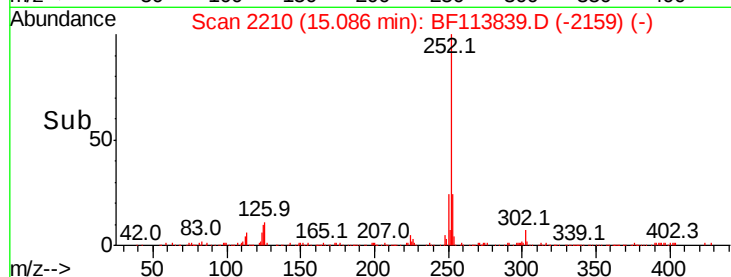
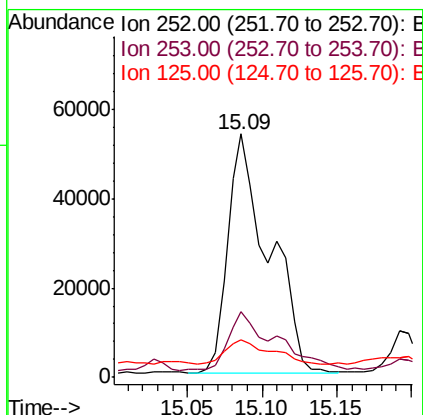
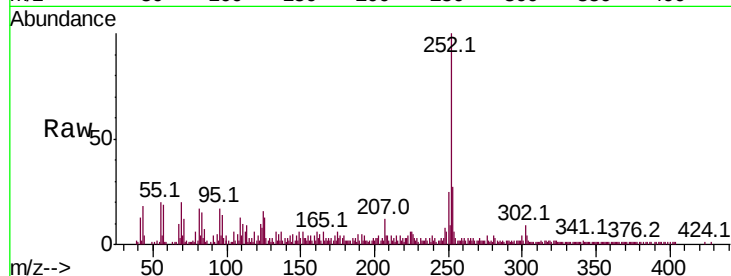




#88
Benzo(b)fluoranthene
Concen: 4.087 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

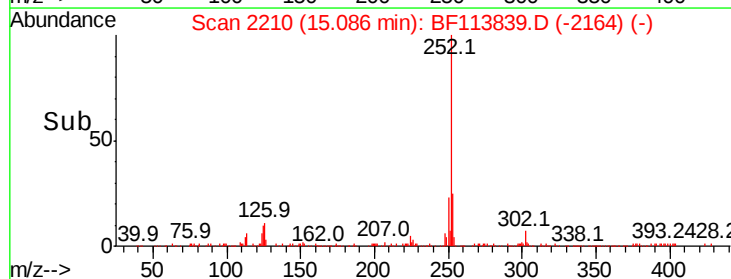
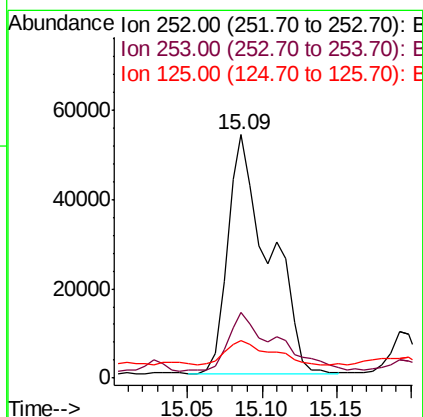
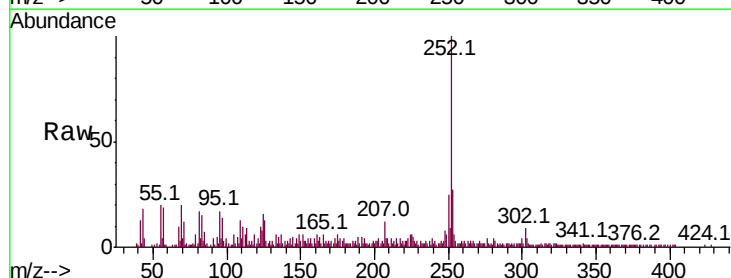
Instrument :
BNA_F
ClientSampleId :

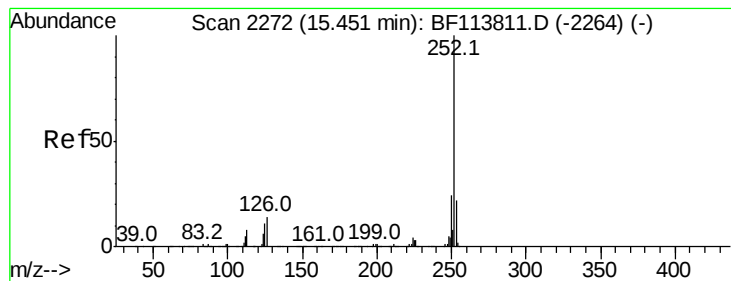
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	15.6	7.0	10.6#



#89
Benzo(k)fluoranthene
Concen: 4.487 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF113839.D
Acq: 19 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.2
125	15.6	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 2.189 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BF113839.D

Acq: 19 Apr 2019 1:48

Instrument :

BNA_F

ClientSampleId :

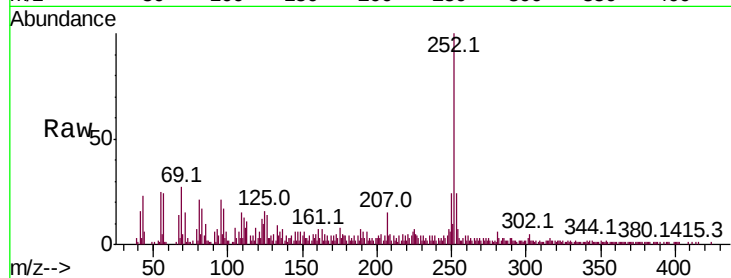
Tot Ion: 252 Resp: 48444

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 15.9 8.5 12.7



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

