

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113835.D
 Acq On : 18 Apr 2019 23:54
 Operator : JU/SJ
 Sample : K2197-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:09:46 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	134810	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	444748	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	200479	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	431807	20.00	ng	0.00
76) Chrysene-d12	14.04	240	470868	20.00	ng	0.00
87) Perylene-d12	15.52	264	416288	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	693743	85.57	ng	0.00
7) Phenol-d6	6.52	99	838331	82.92	ng	0.00
23) Nitrobenzene-d5	7.45	82	471771	64.60	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	233727	105.52	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	854311	64.99	ng	0.00
79) Terphenyl-d14	12.99	244	1255810	55.93	ng	0.00

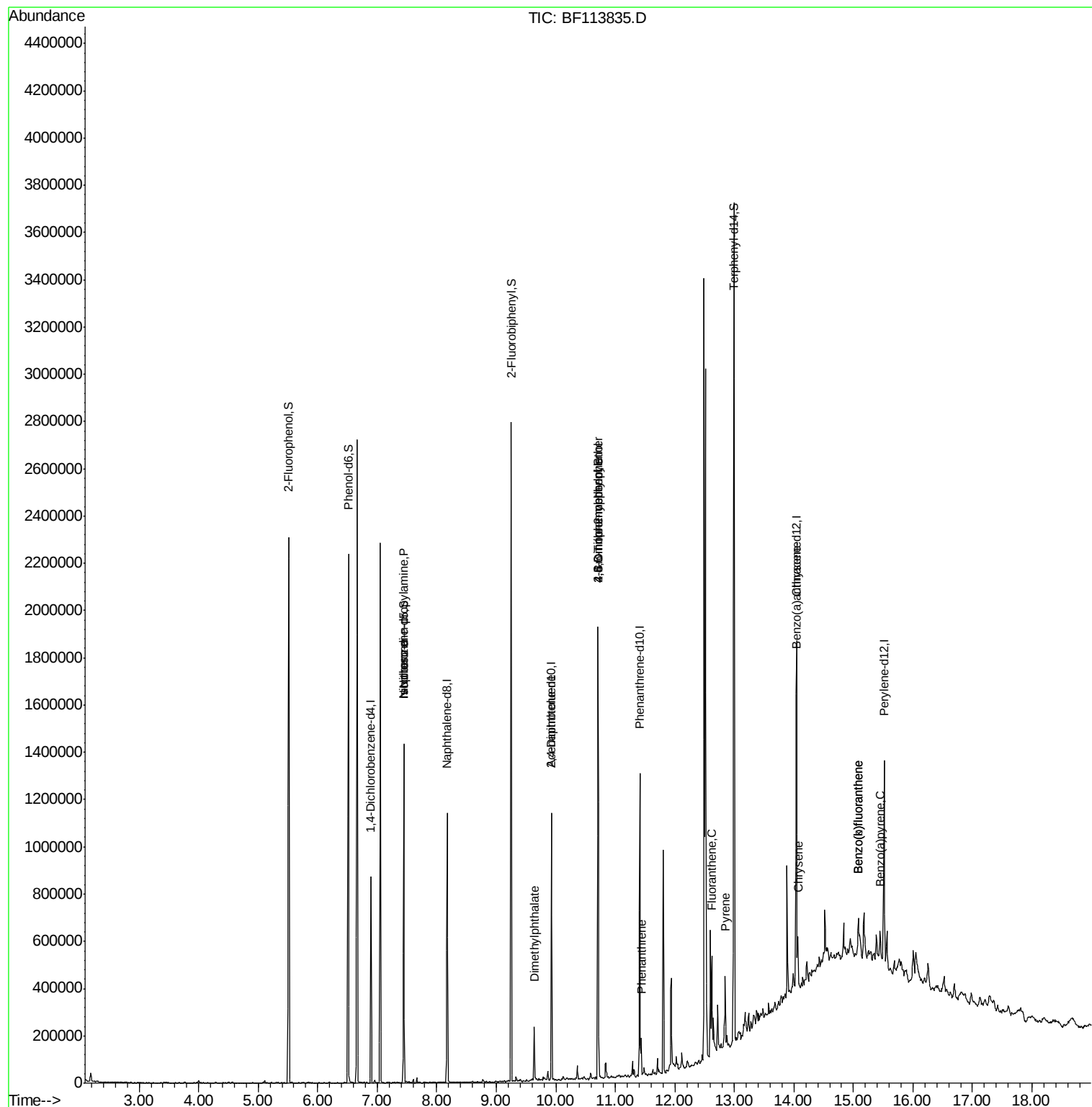
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1450	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	62483	9.258	ng	# 78
25) Isophorone	7.45	82	471764	31.198	ng	# 65
50) Dimethylphthalate	9.64	163	88327	6.296	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	25849	6.729	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.71	198	290	7.066	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	13882	2.738	ng	# 1
71) Phenanthrene	11.43	178	51454	2.340	ng	# 97
75) Fluoranthene	12.62	202	137050	5.880	ng	# 95
78) Pyrene	12.85	202	129475	3.902	ng	# 96
81) Benzo(a)anthracene	14.03	228	77111	2.802	ng	# 93
83) Chrysene	14.07	228	76989	2.818	ng	# 96
88) Benzo(b)fluoranthene	15.08	252	127703	4.921	ng	# 90
89) Benzo(k)fluoranthene	15.08	252	127703	5.403	ng	# 91
90) Benzo(a)pyrene	15.45	252	57941	2.525	ng	# 89

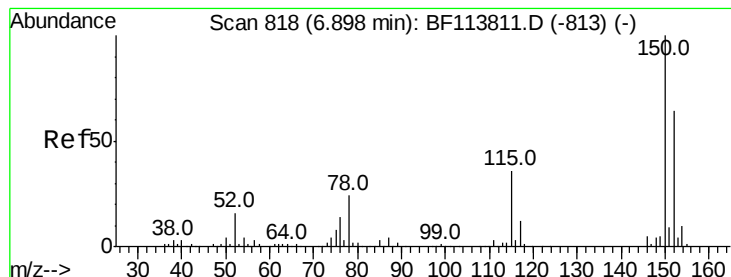
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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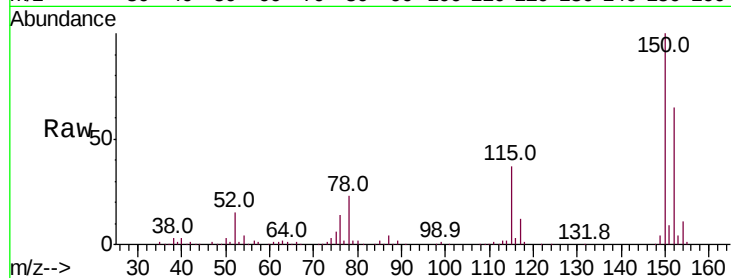


#1

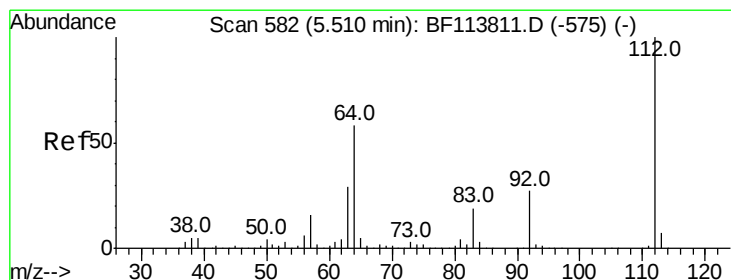
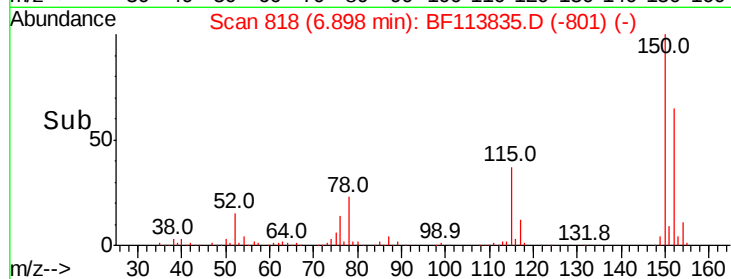
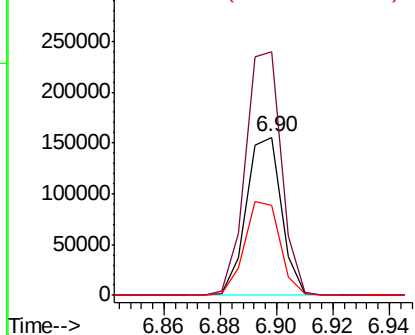
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	56.6	45.9	68.9



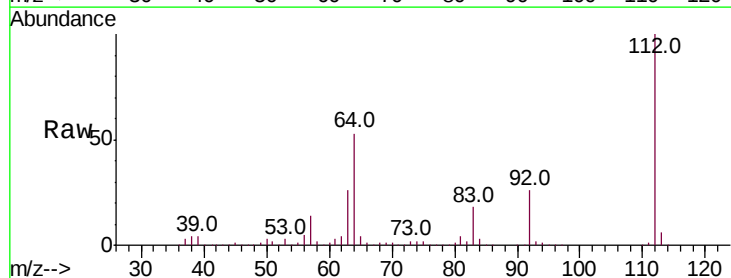
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



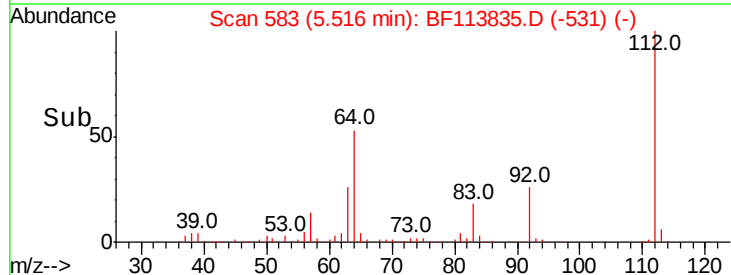
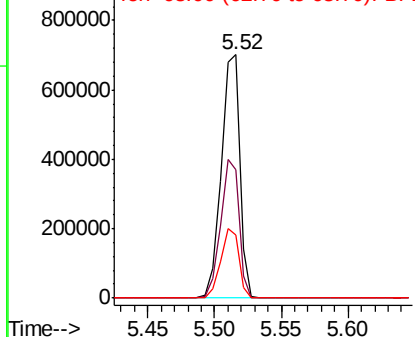
#5

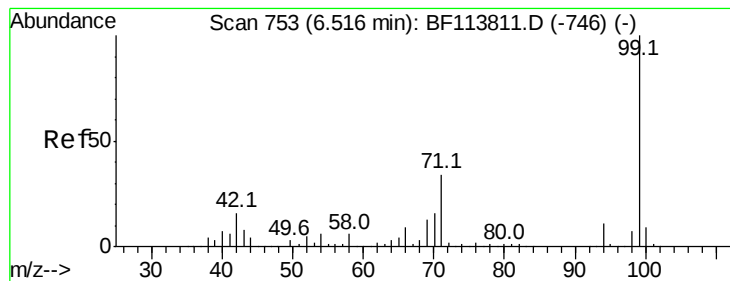
2-Fluorophenol
Concen: 85.568 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.6	69.8
63	26.1	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: 82.915 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampled :

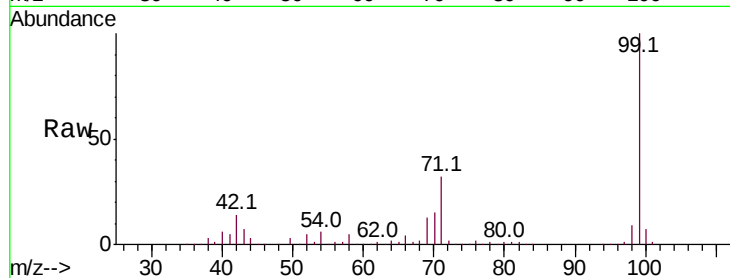
Tot Ion: 99 Resp: 838331

Ion Ratio Lower Upper

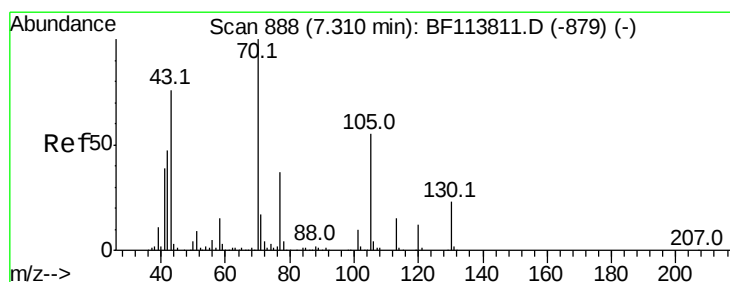
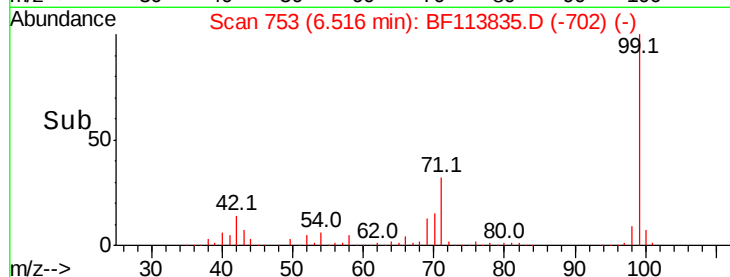
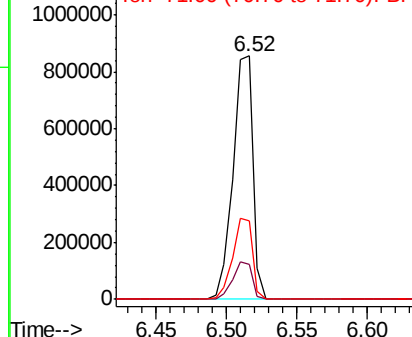
99 100

42 14.4 12.5 18.7

71 32.0 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: 9.258 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Tgt Ion: 70 Resp: 62483

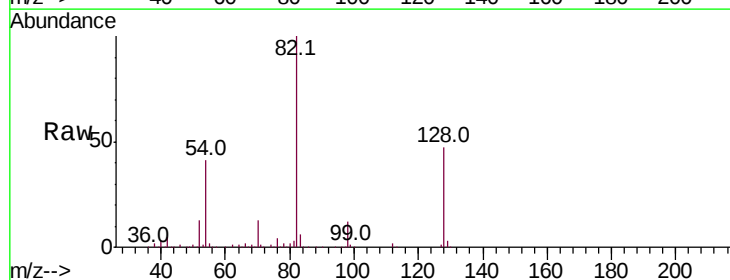
Ion Ratio Lower Upper

70 100

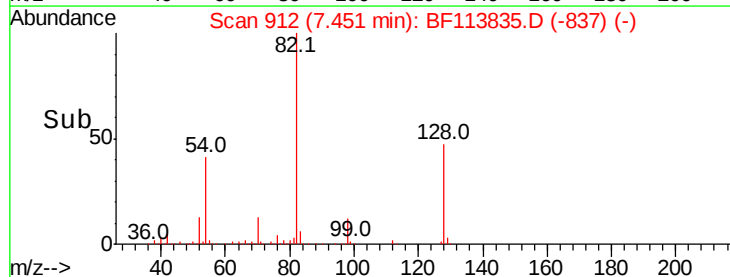
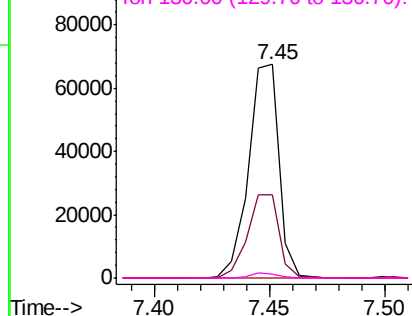
42 39.0 37.3 55.9

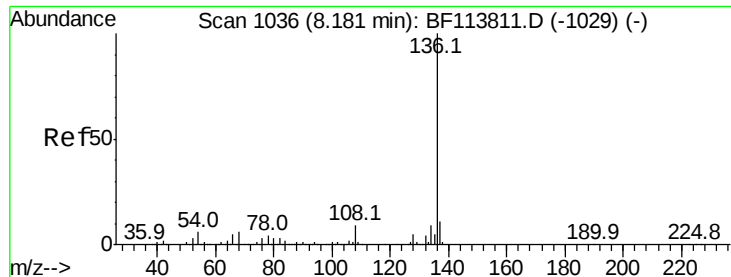
101 0.0 7.8 11.8#

130 2.1 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: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 444748

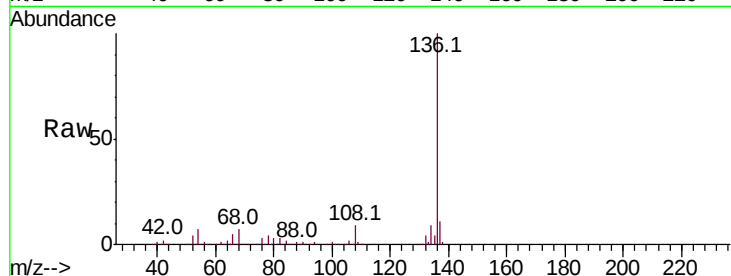
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.9 5.0 7.6

68 6.7 4.9 7.3

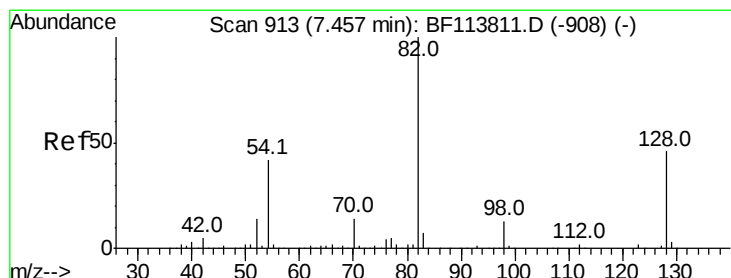
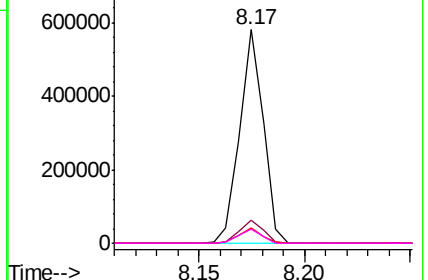
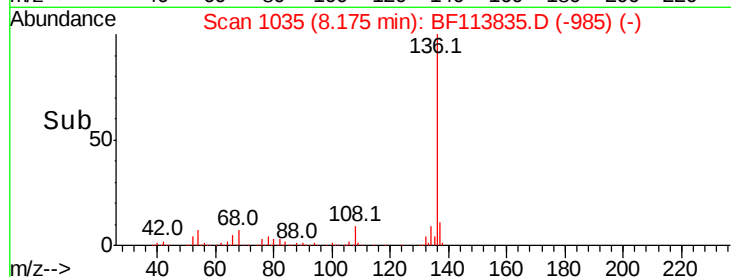


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.596 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

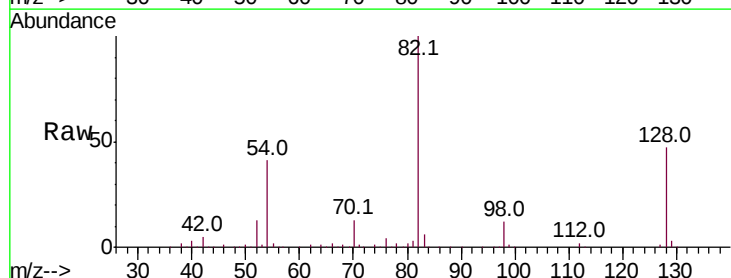
Tgt Ion: 82 Resp: 471771

Ion Ratio Lower Upper

82 100

128 47.3 36.8 55.2

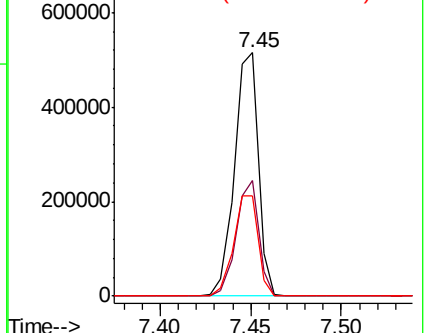
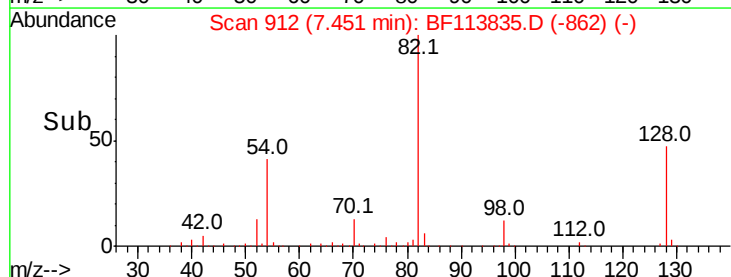
54 41.4 33.8 50.6

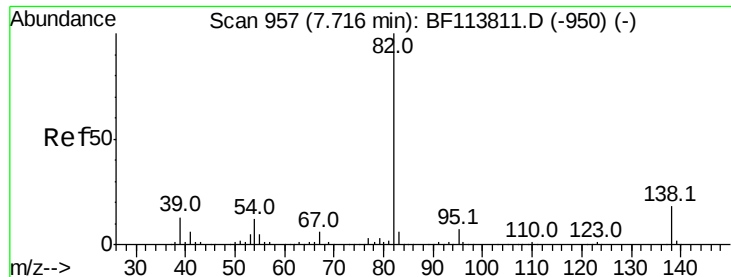


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.198 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

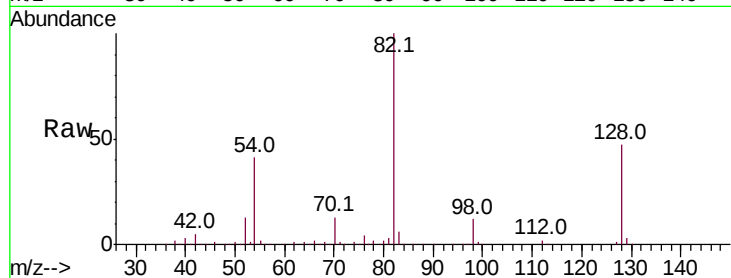
Tot Ion: 82 Resp: 471764

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

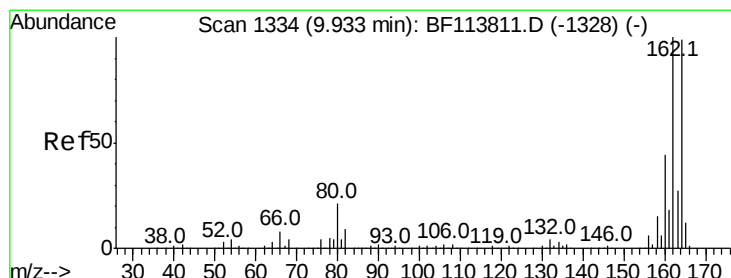
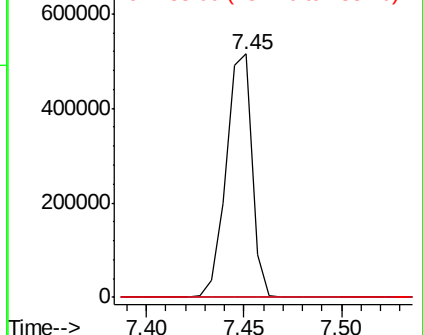
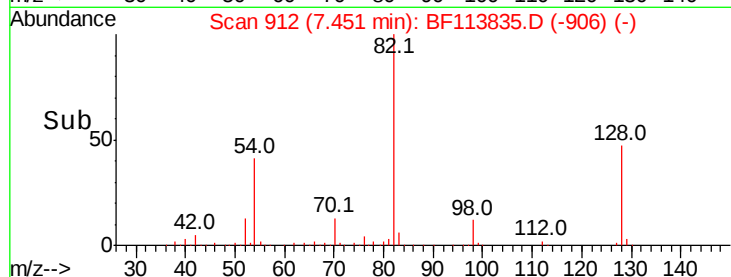
138 0.0 14.6 22.0#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

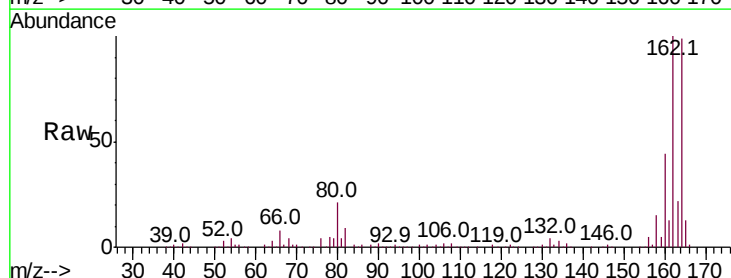
Tgt Ion:164 Resp: 200479

Ion Ratio Lower Upper

164 100

162 101.2 81.1 121.7

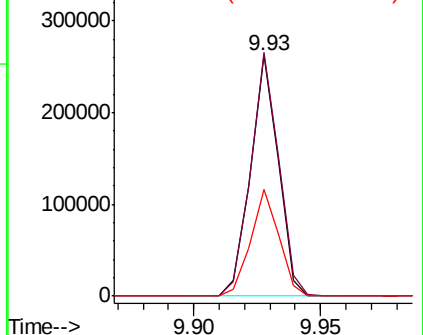
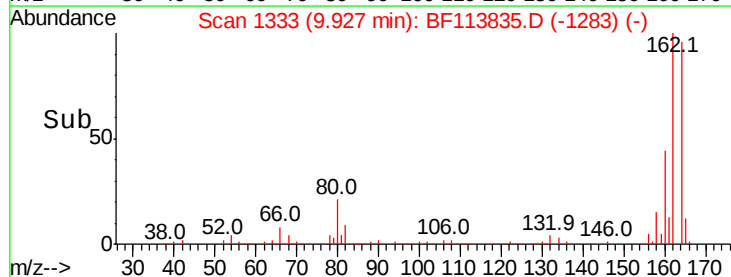
160 44.5 35.8 53.6

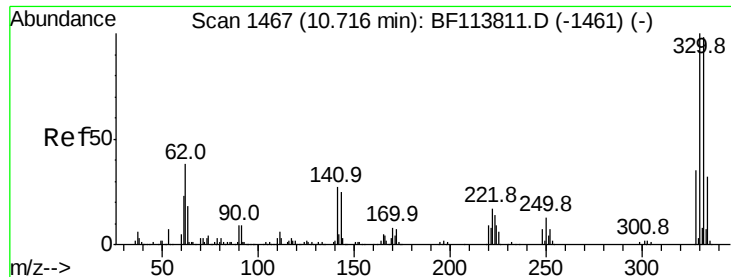


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

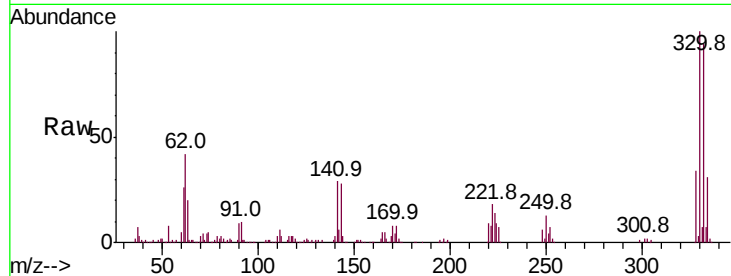




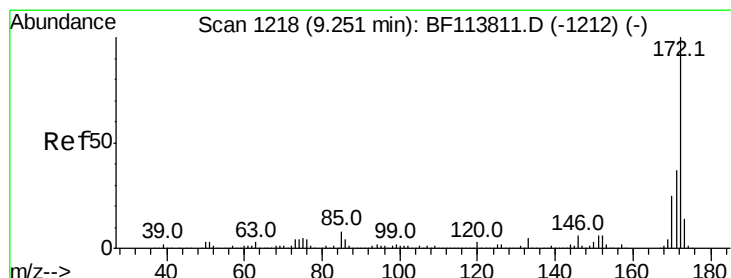
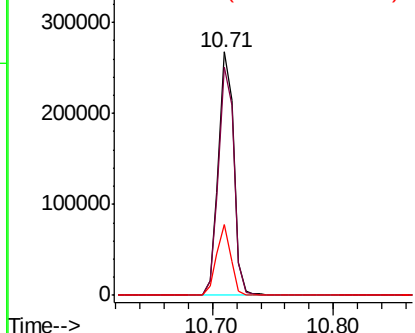
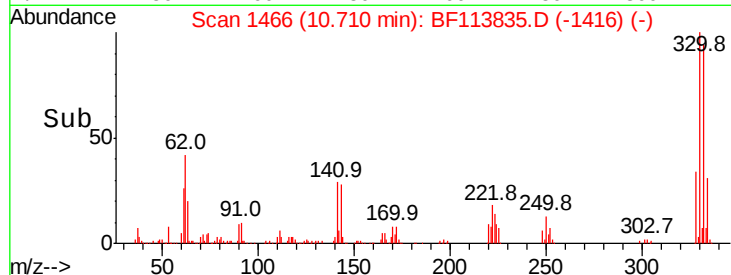
#42
 2,4,6-Tribromophenol
 Concen: 105.524 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113835.D
 Acq: 18 Apr 2019 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.5	116.3
141	27.1	22.2	33.2

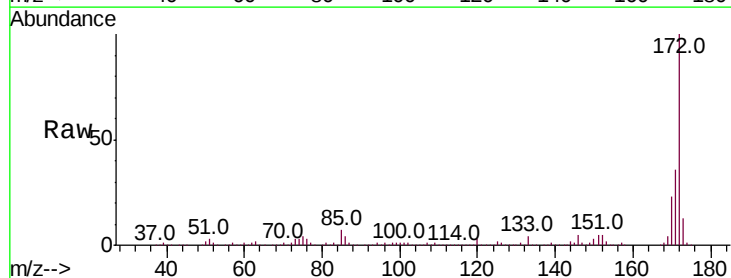


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

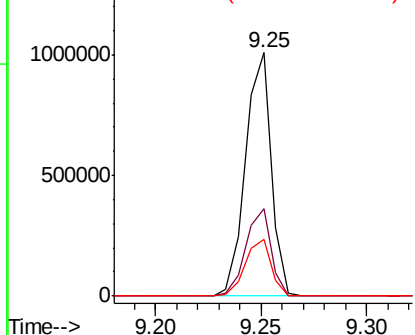
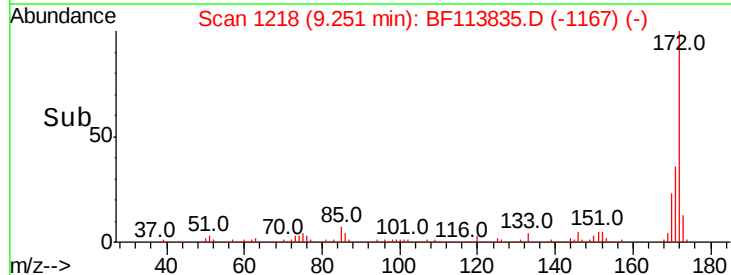


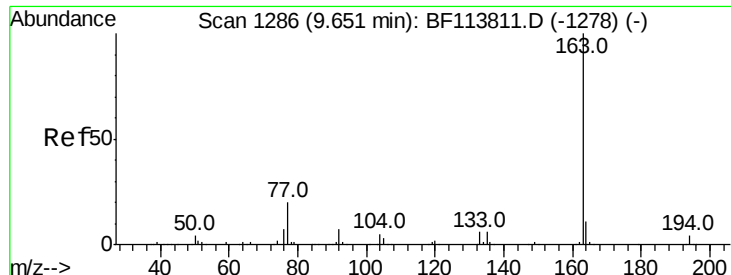
#45
 2-Fluorobiphenyl
 Concen: 64.987 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113835.D
 Acq: 18 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	23.4	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: 6.296 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

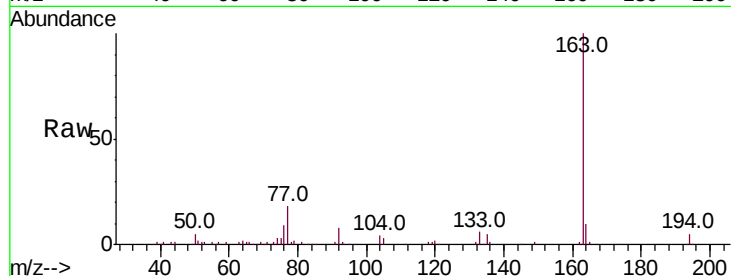
Tot Ion:163 Resp: 88327

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

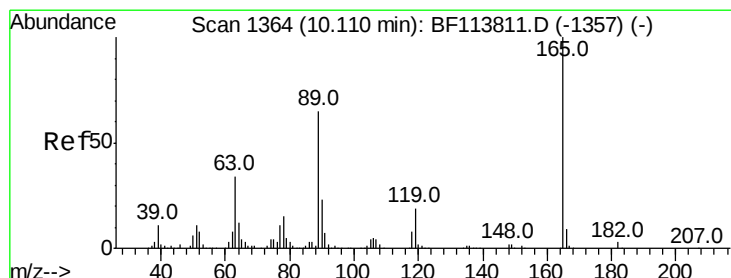
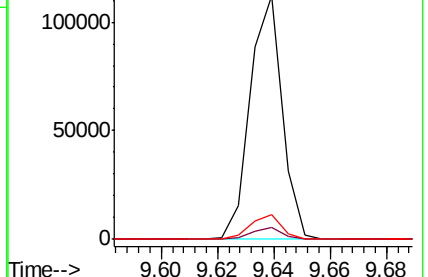
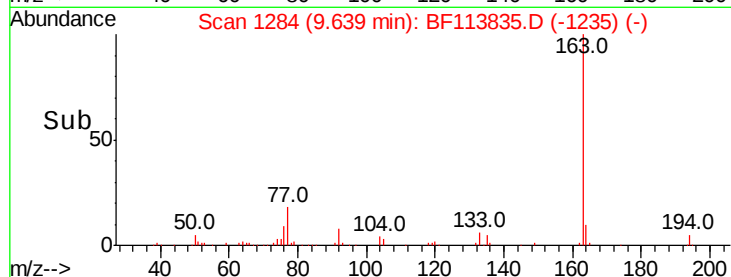
164 10.3 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.729 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Tgt Ion:165 Resp: 25849

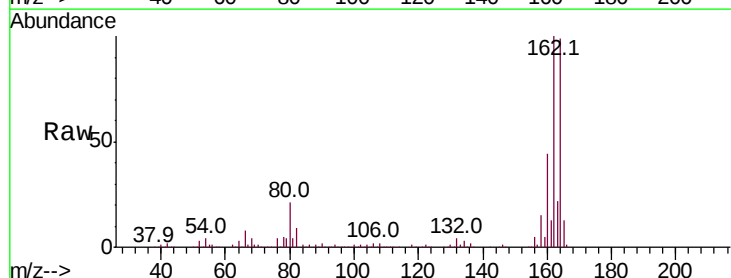
Ion Ratio Lower Upper

165 100

63 1.0 27.4 41.0#

89 1.0 51.8 77.6#

182 0.0 2.2 3.2#

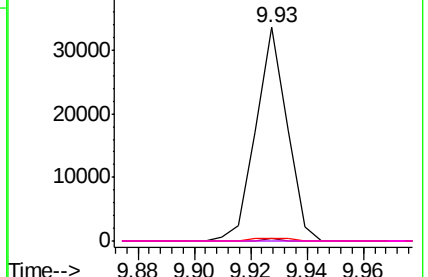
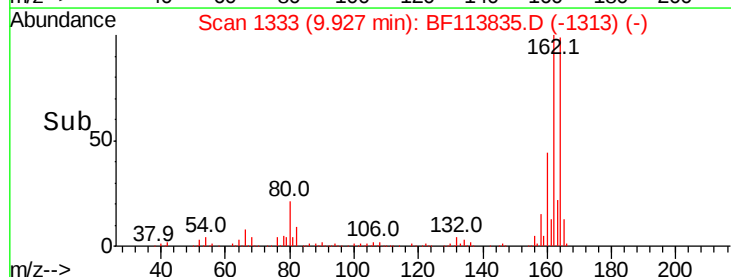


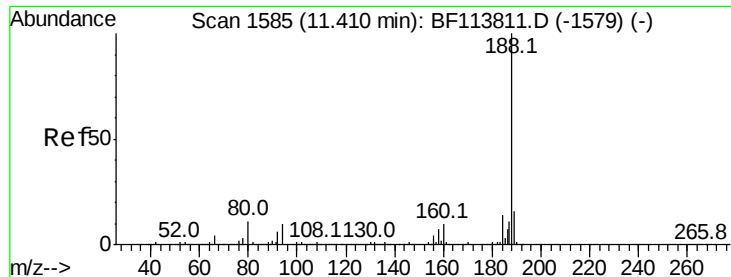
Abundance Ion 165.00 (164.70 to 165.70): E

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

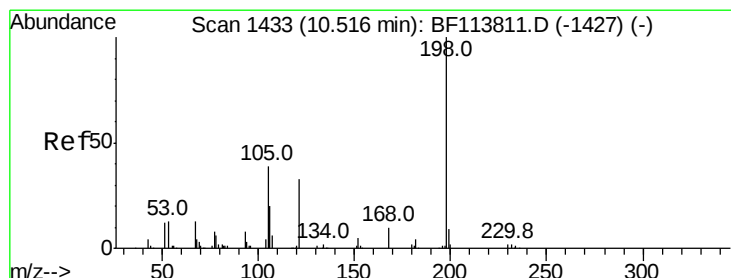
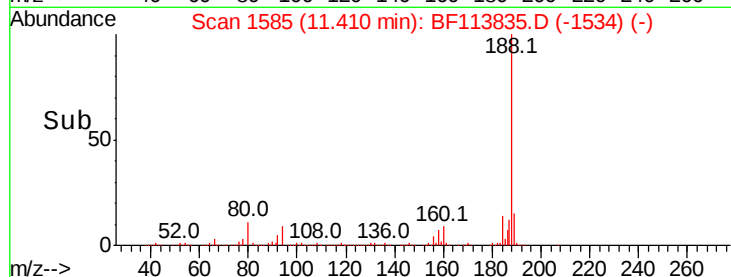
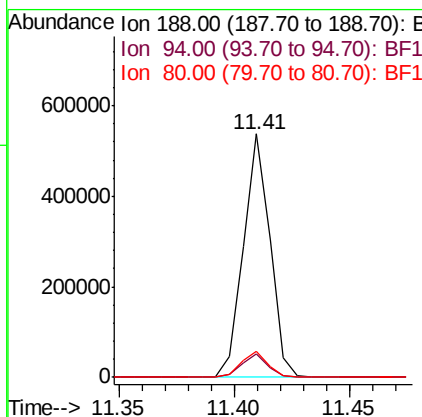
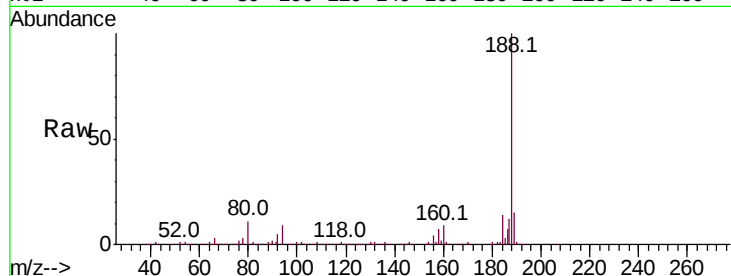




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

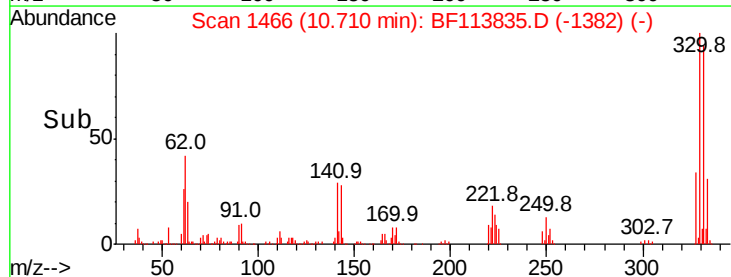
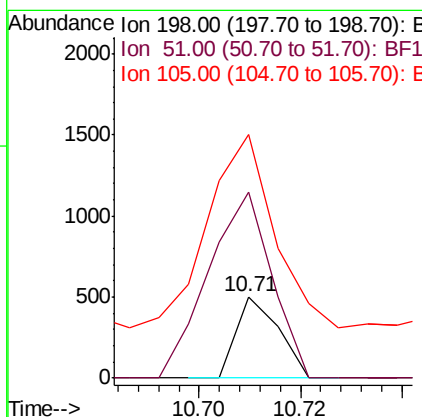
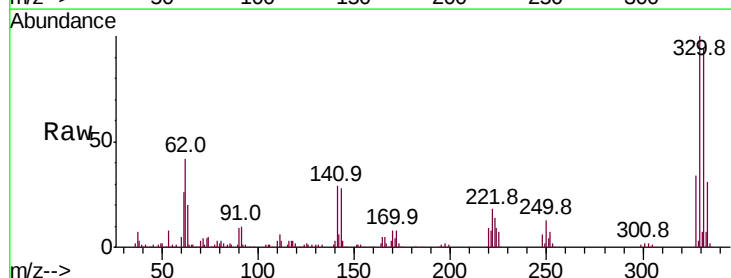
Instrument :
BNA_F
ClientSampleId :

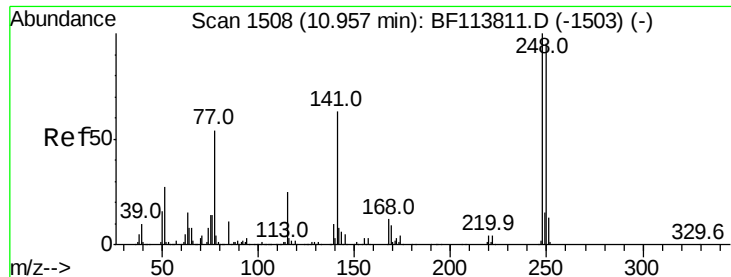
Tot Ion:188 Resp: 431807
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.4
80 10.5 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.066 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Tgt Ion:198 Resp: 290
Ion Ratio Lower Upper
198 100
51 227.6 11.1 51.1#
105 298.8 20.7 60.7#

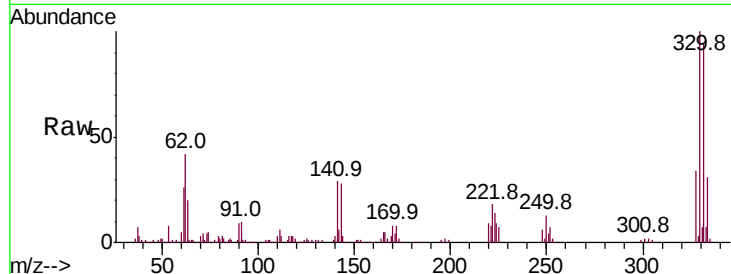




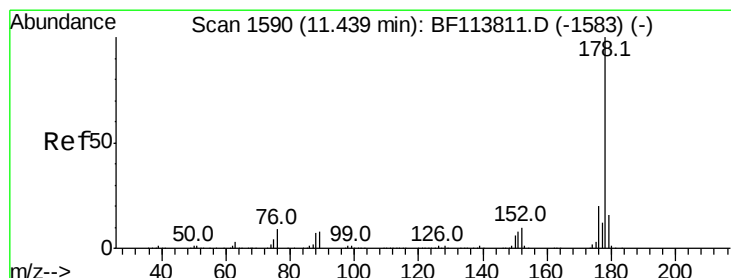
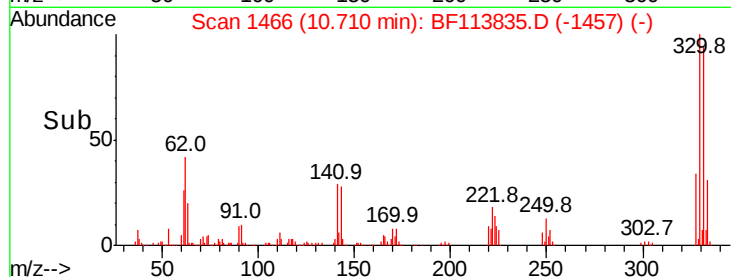
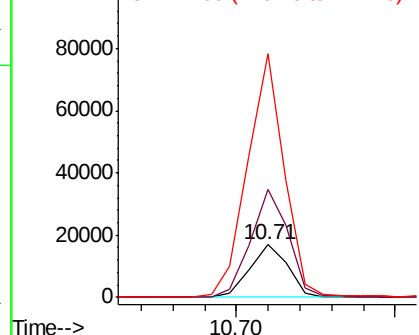
#67
 4-Bromophenyl-phenylether
 Concen: 2.738 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF113835.D
 Acq: 18 Apr 2019 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13882
 Ion Ratio Lower Upper
 248 100
 250 204.4 75.8 113.6#
 141 461.7 50.2 75.4#

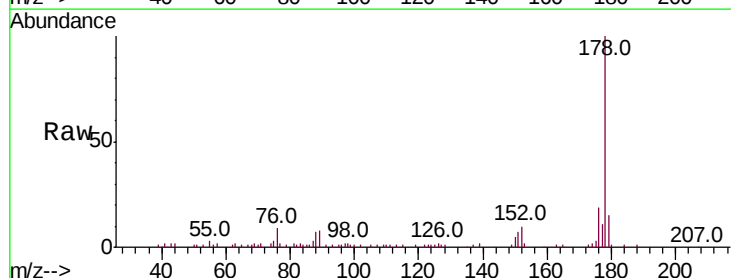


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

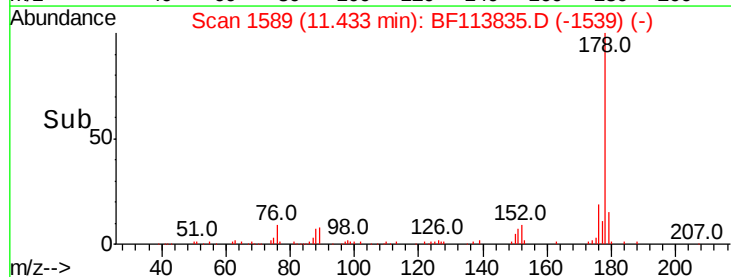
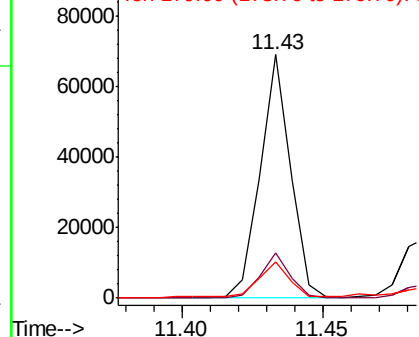


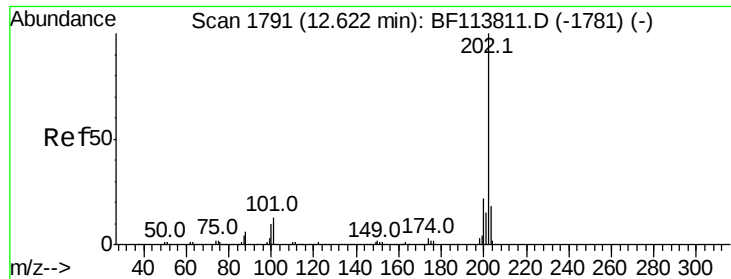
#71
 Phenanthrene
 Concen: 2.340 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113835.D
 Acq: 18 Apr 2019 23:54

Tgt Ion:178 Resp: 51454
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.1 24.1
 179 15.1 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: 5.880 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

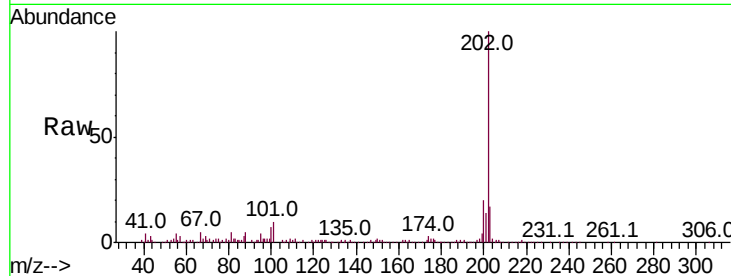
Tot Ion:202 Resp: 137050

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.9

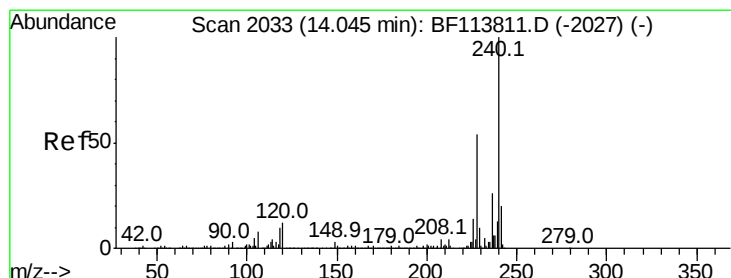
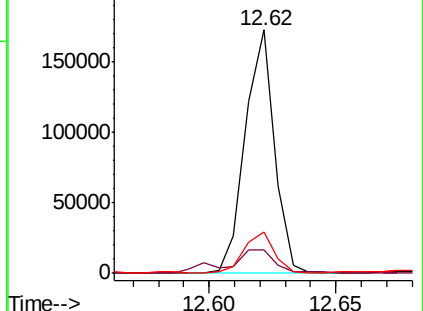
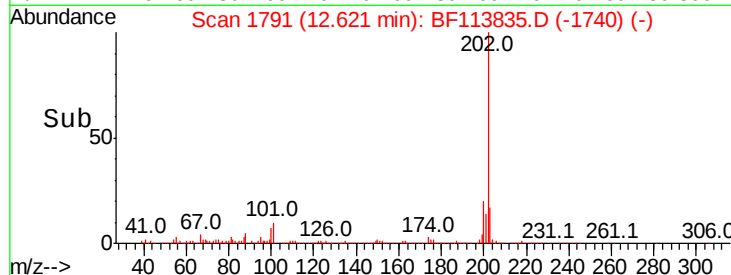
203 16.9 0.0 38.2



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: BF113835.D

Acq: 18 Apr 2019 23:54

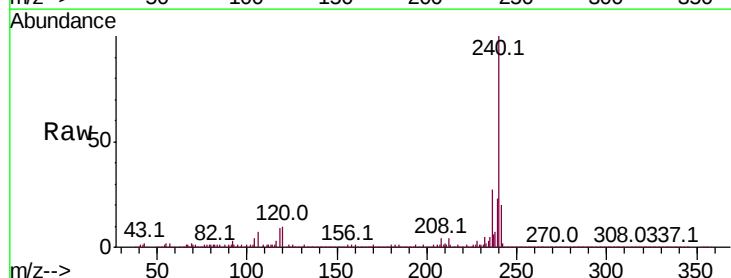
Tgt Ion:240 Resp: 470868

Ion Ratio Lower Upper

240 100

120 10.0 9.3 13.9

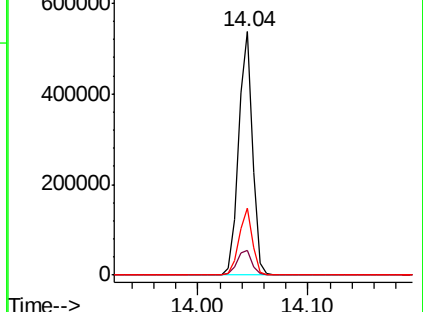
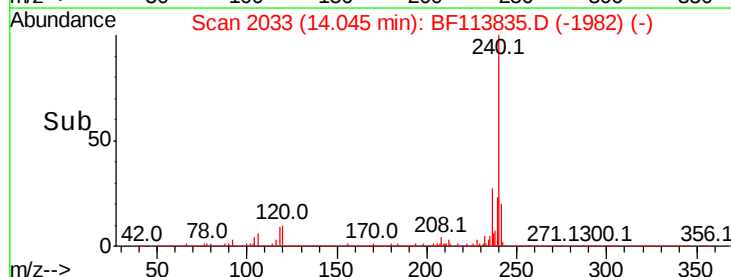
236 27.3 21.2 31.8

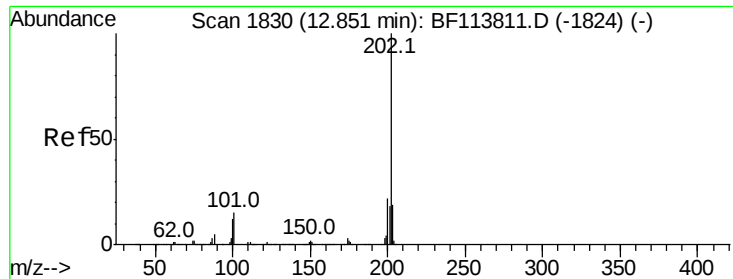


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

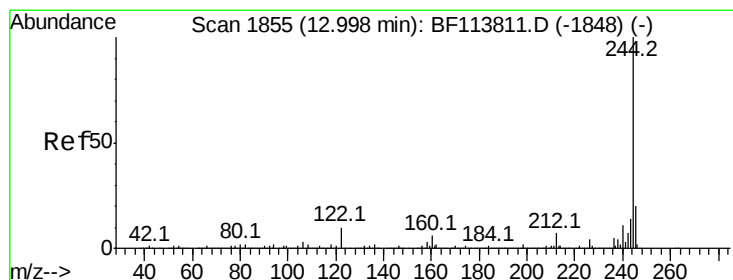
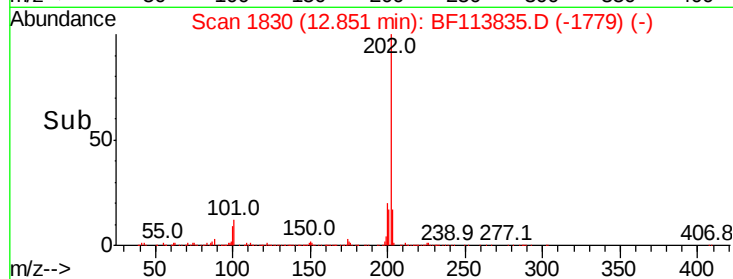
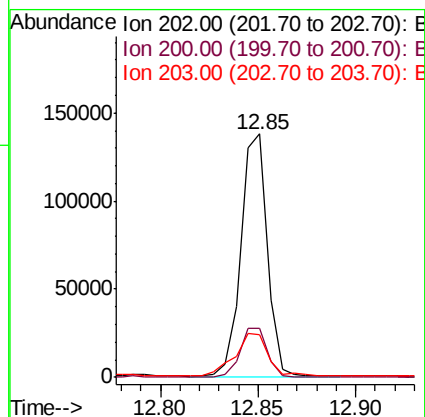
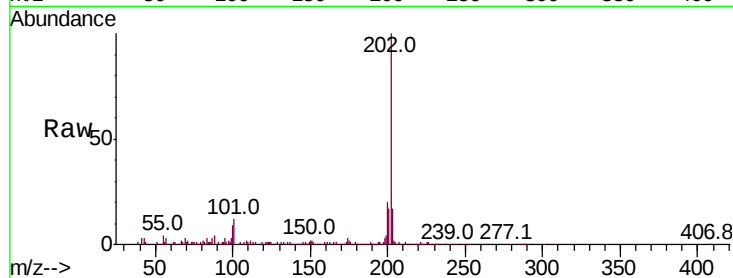




#78
Pvrene
Concen: 3.902 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

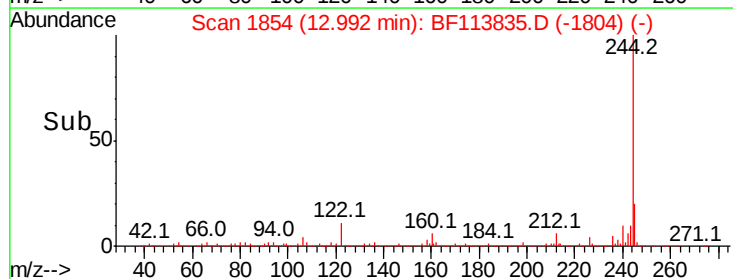
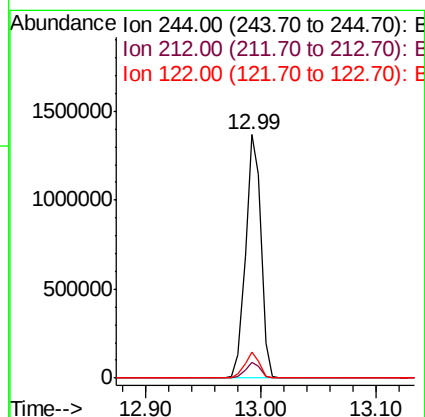
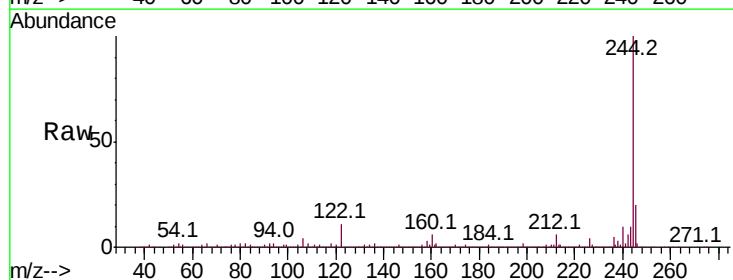
Instrument :
BNA_F
ClientSampleId :

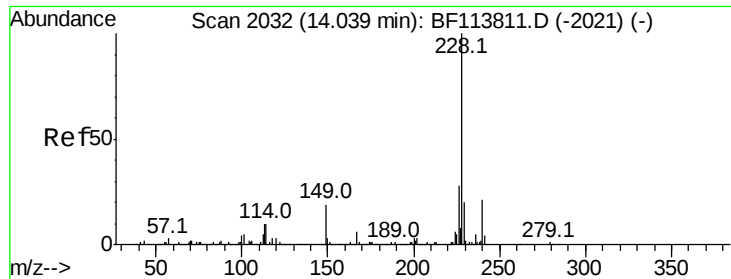
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	17.4	15.0	22.6



#79
Terphenyl-d14
Concen: 55.926 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	7.6	11.4

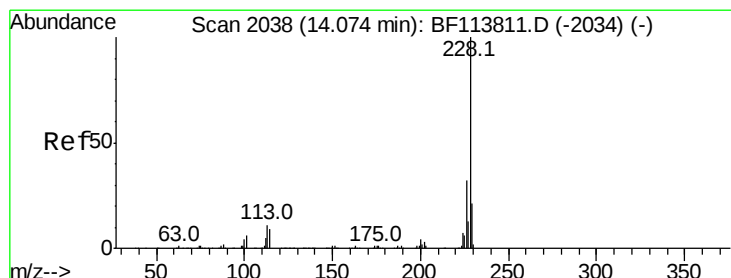
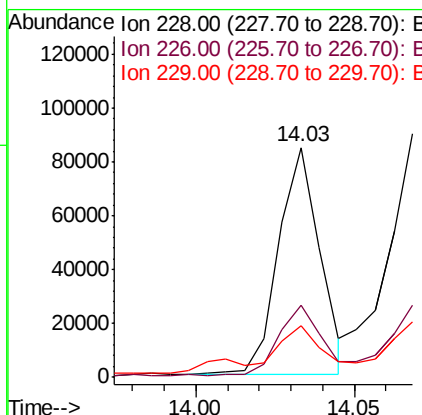
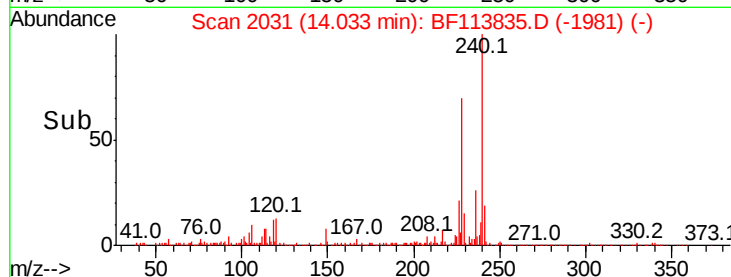
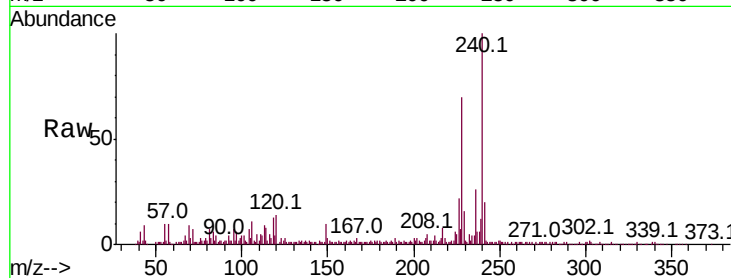




#81
Benzo(a)anthracene
Concen: 2.802 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

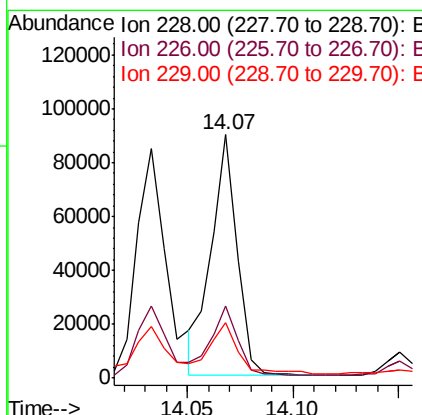
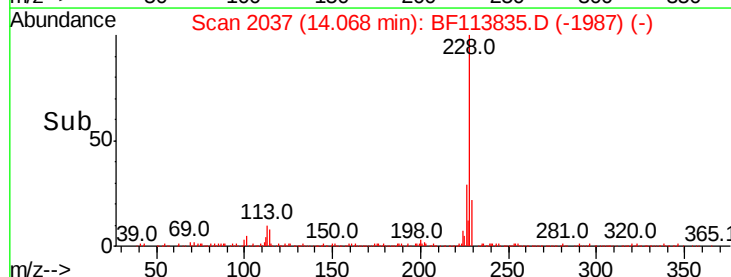
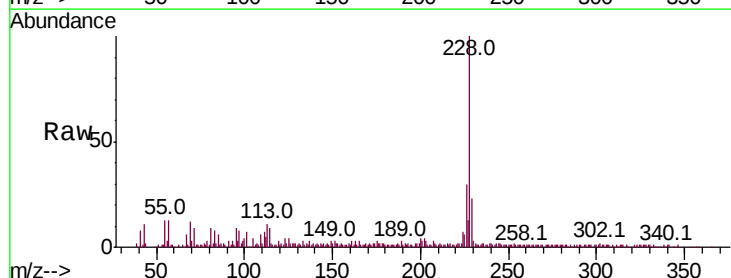
Instrument :
BNA_F
ClientSampleId :

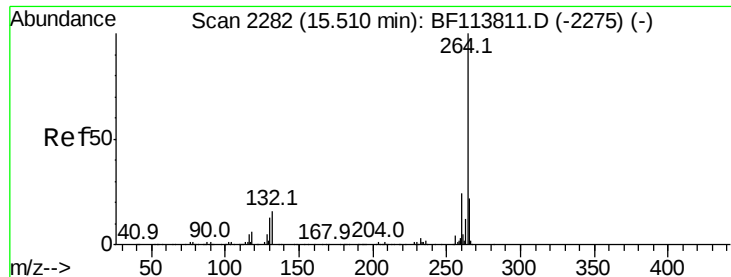
Tot Ion:228 Resp: 77111
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.2
229 22.7 16.0 24.0



#83
Chrysene
Concen: 2.818 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Tgt Ion:228 Resp: 76989
Ion Ratio Lower Upper
228 100
226 29.6 25.2 37.8
229 22.8 16.7 25.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

Instrument :

BNA_F

ClientSampleId :

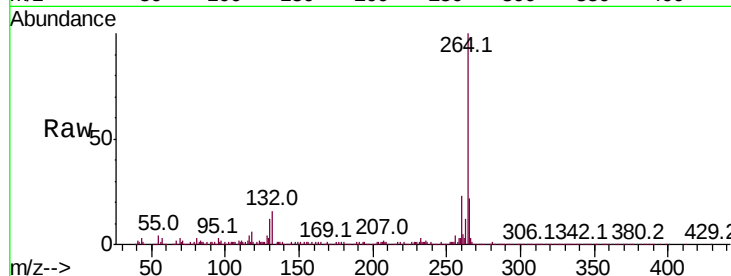
Tot Ion:264 Resp: 416288

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

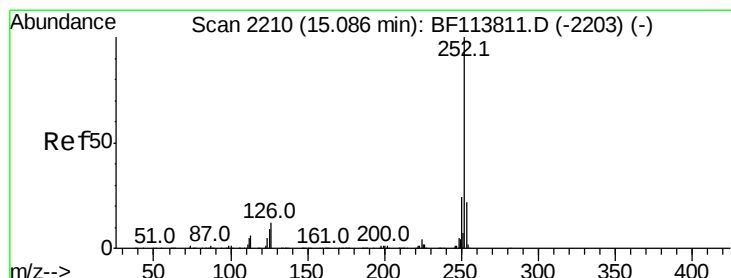
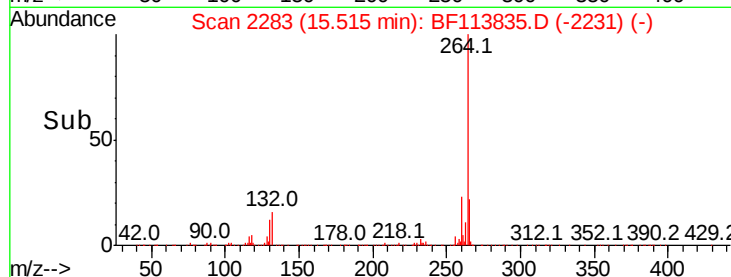
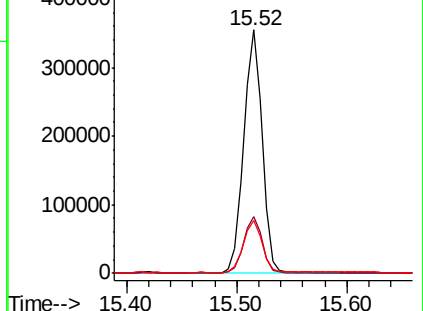
265 21.9 17.3 25.9



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: 4.921 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF113835.D

Acq: 18 Apr 2019 23:54

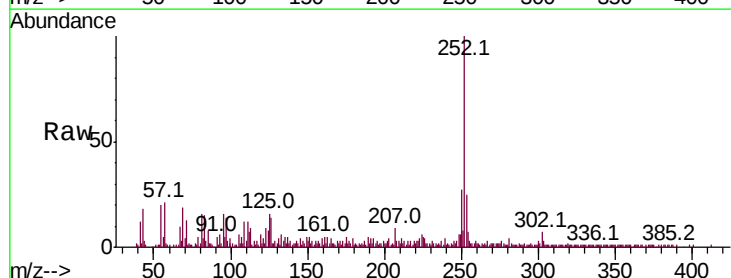
Tgt Ion:252 Resp: 127703

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

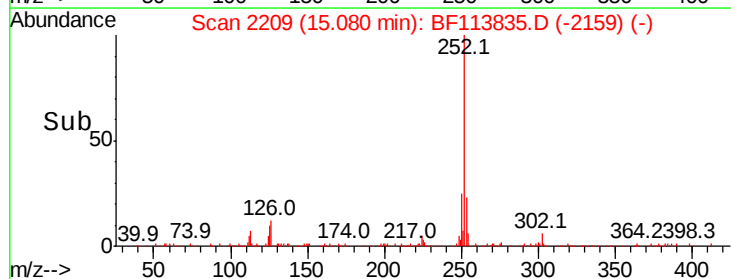
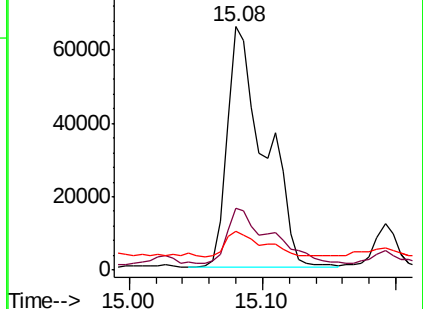
125 15.9 7.0 10.6#

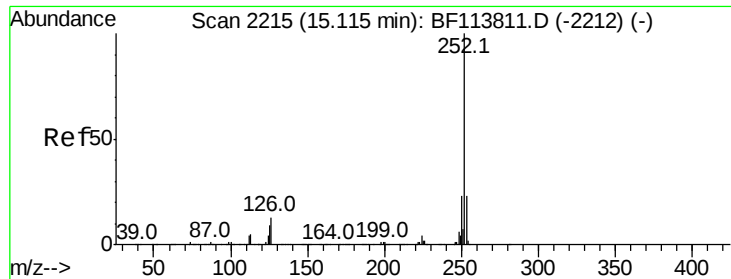


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

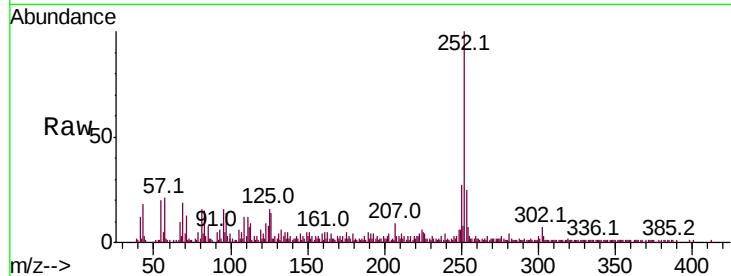




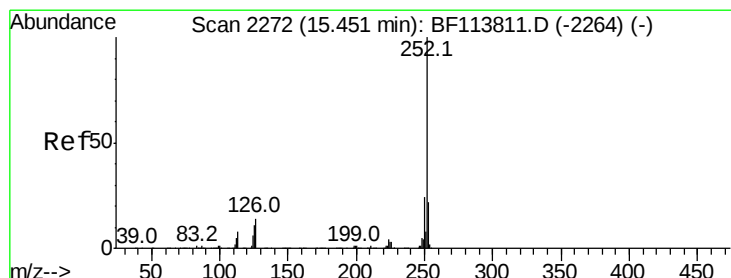
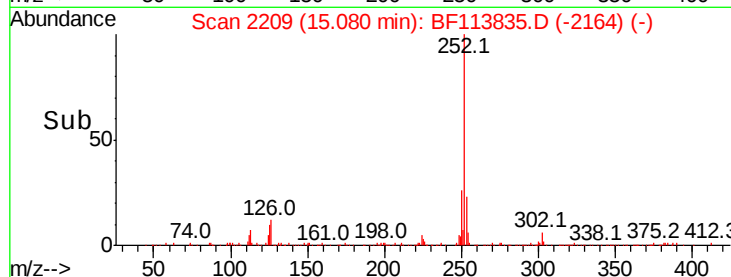
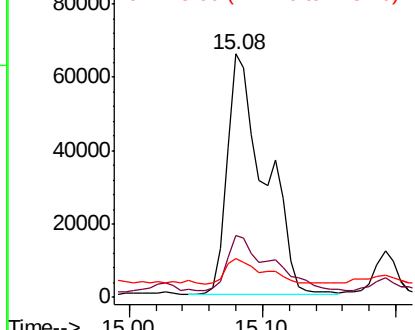
#89
Benzo(k)fluoranthene
Concen: 5.403 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 127703
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.2
125 15.9 7.4 11.2#

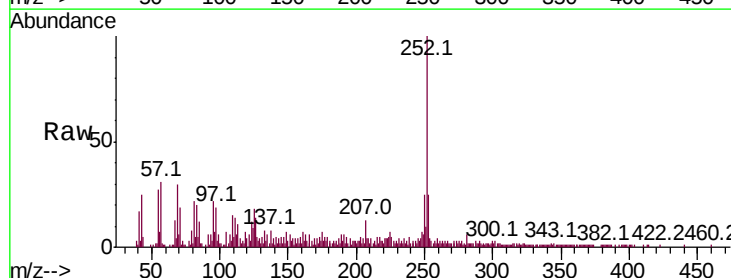


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.525 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF113835.D
Acq: 18 Apr 2019 23:54

Tgt Ion:252 Resp: 57941
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 17.7 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

