

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113937.D
 Acq On : 23 Apr 2019 22:45
 Operator : JU/SJ
 Sample : K2515-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:08:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	94061	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	300143	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	127754	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	233348	20.00	ng	0.00
76) Chrysene-d12	14.05	240	268117	20.00	ng	-0.02
87) Perylene-d12	15.53	264	230333	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1045292	190.07	ng	0.01
7) Phenol-d6	6.53	99	1308589	189.66	ng	0.00
23) Nitrobenzene-d5	7.46	82	758099	155.95	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	312321	200.68	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1336065	163.57	ng	0.00
79) Terphenyl-d14	13.00	244	1550998	118.60	ng	0.00

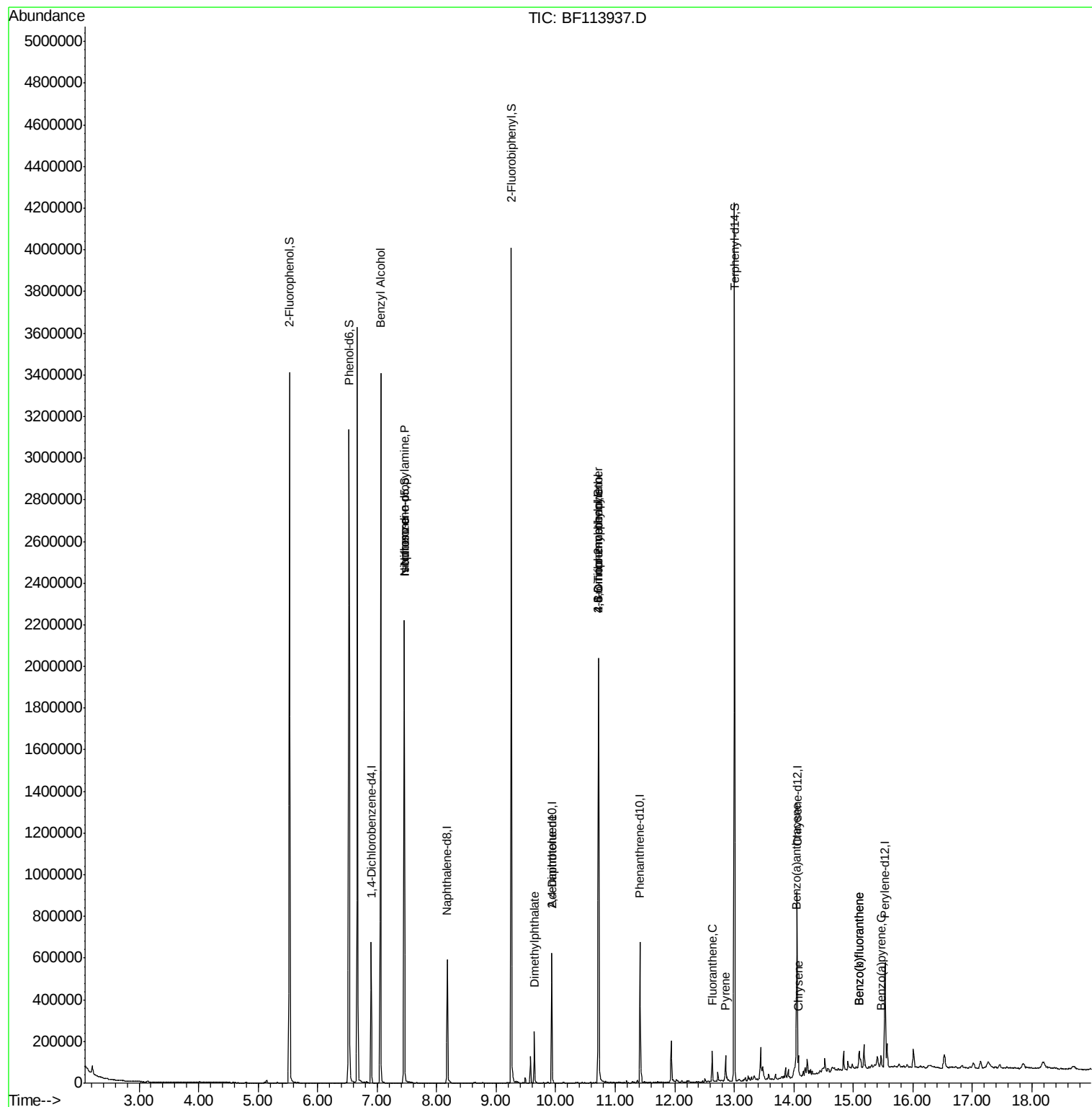
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.06	79	13543	2.914	ng	# 44
19) n-Nitroso-di-n-propylamine	7.46	70	103314	23.122	ng	# 76
25) Isophorone	7.46	82	758092	76.216	ng	# 65
50) Dimethylphthalate	9.64	163	99036	10.719	ng	99
57) 2,4-Dinitrotoluene	9.93	165	15846	6.333	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.72	198	553	7.746	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	19408	6.885	ng	# 1
75) Fluoranthene	12.63	202	57514	4.495	ng	95
78) Pyrene	12.86	202	53131	2.834	ng	97
81) Benzo(a)anthracene	14.04	228	34760	2.200	ng	95
83) Chrysene	14.07	228	35616	2.315	ng	99
88) Benzo(b)fluoranthene	15.10	252	61323	4.208	ng	# 95
89) Benzo(k)fluoranthene	15.10	252	61323	4.892	ng	# 96
90) Benzo(a)pyrene	15.47	252	29062	2.306	ng	98

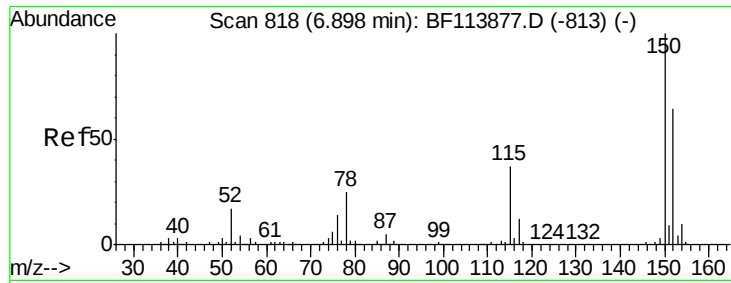
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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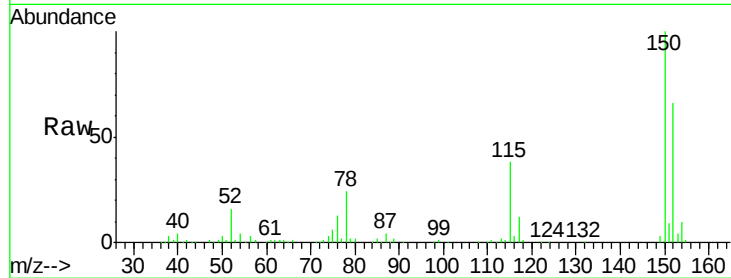


#1

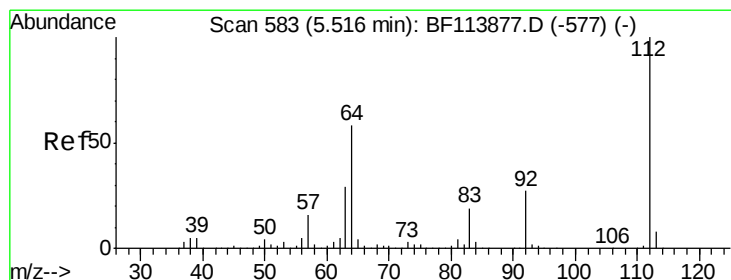
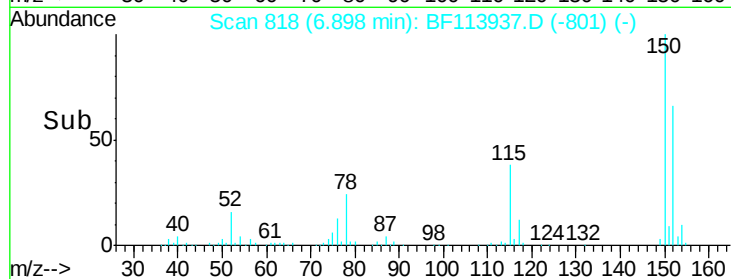
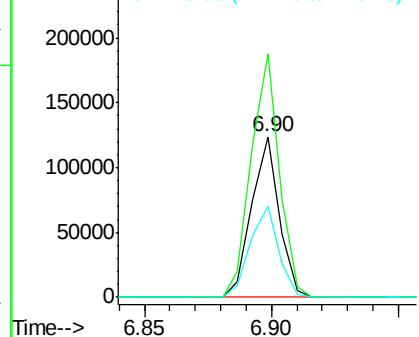
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94061
Ion Ratio Lower Upper
152 100
150 151.7 125.9 188.9
115 57.0 45.9 68.9



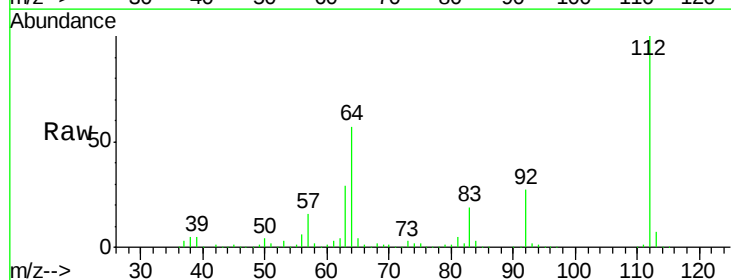
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



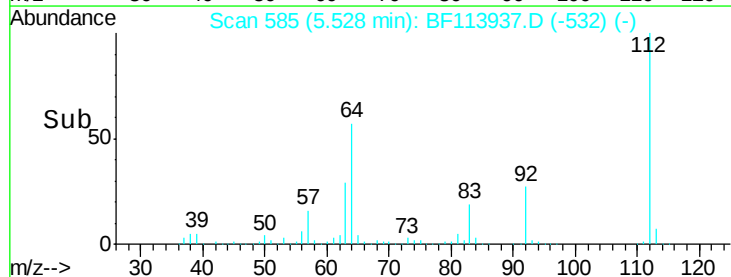
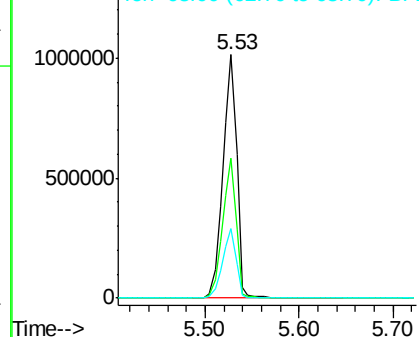
#5

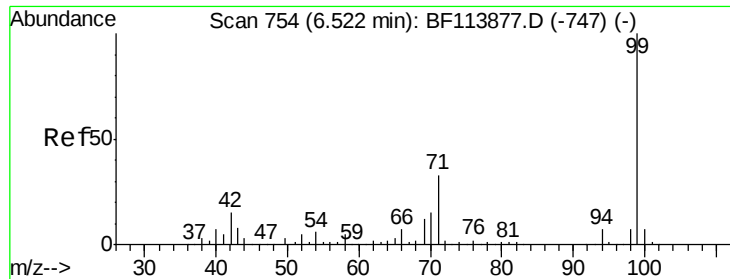
2-Fluorophenol
Concen: 190.070 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion:112 Resp: 1045292
Ion Ratio Lower Upper
112 100
64 57.4 46.6 69.8
63 28.6 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: 189.657 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

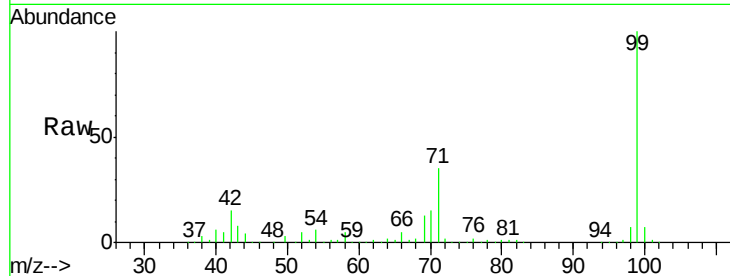
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1308589

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.5	18.7
71	35.0	26.9	40.3

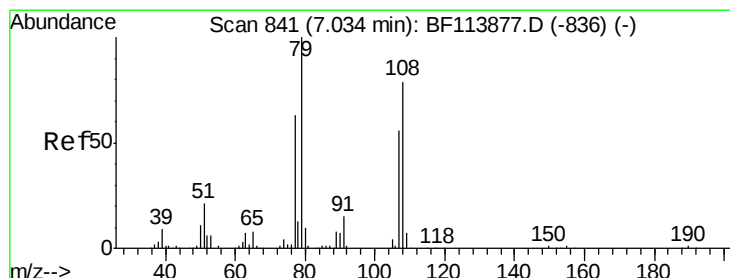
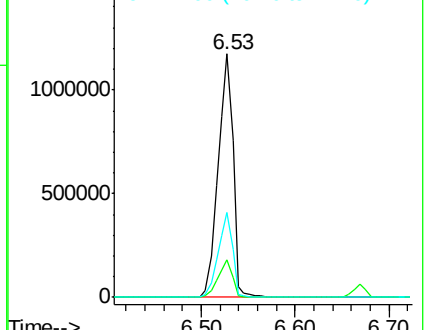
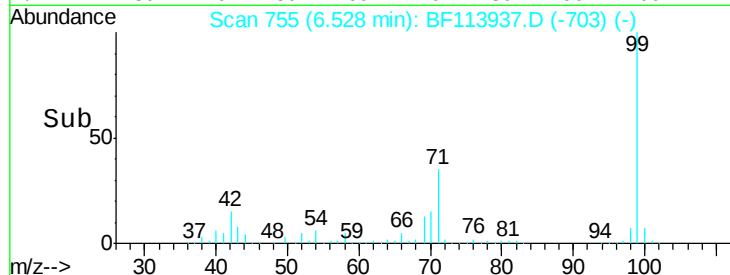


Abundance

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



#15

Benzyl Alcohol

Concen: 2.914 ng

RT: 7.06 min Scan# 845

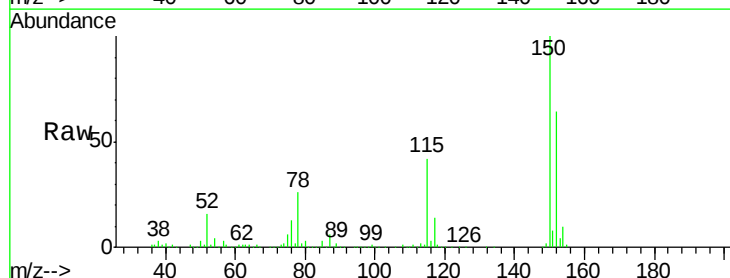
Delta R.T. 0.02 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

Tgt Ion: 79 Resp: 13543

Ion	Ratio	Lower	Upper
79	100		
108	34.0	61.4	92.0#
77	114.1	51.6	77.4#

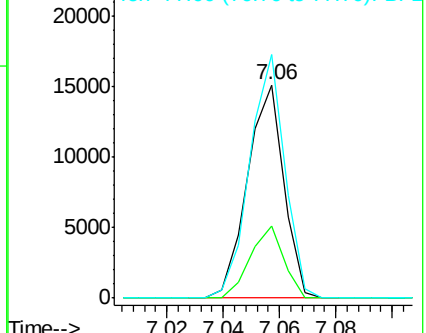
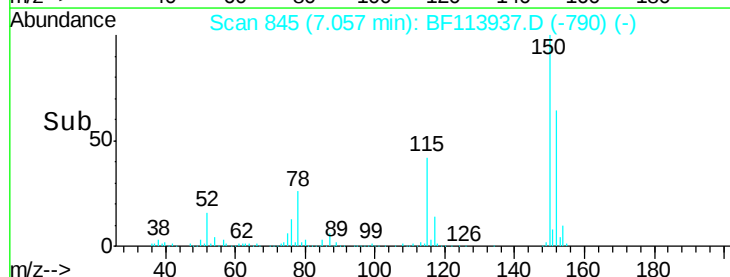


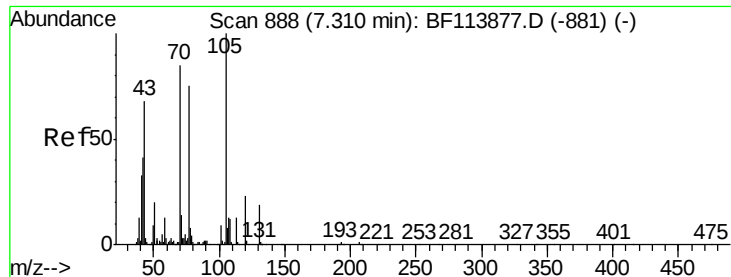
Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

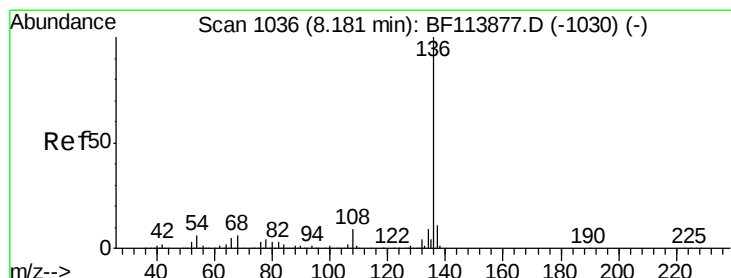
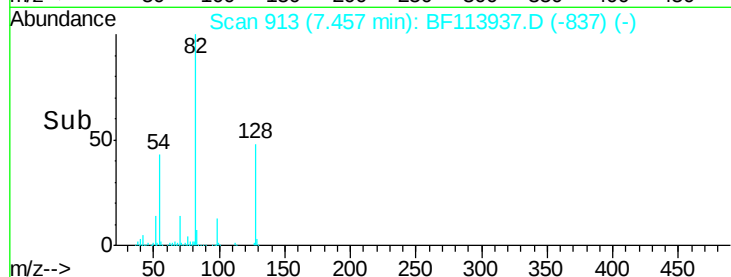
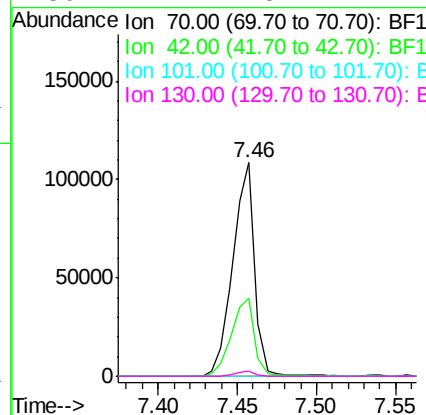
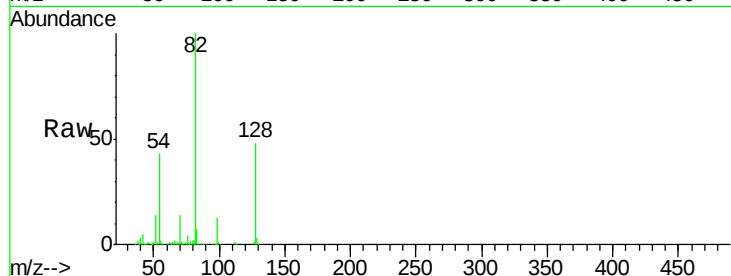




#19
n-Nitroso-di-n-propylamine
Concen: 23.122 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

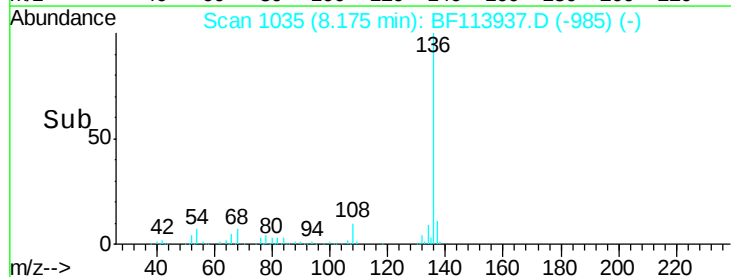
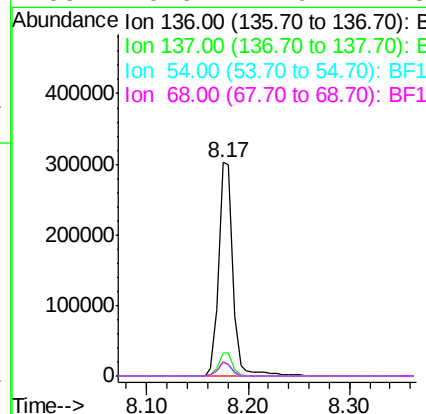
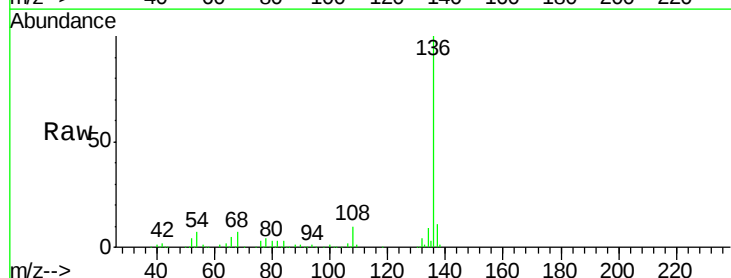
Instrument :
BNA_F
ClientSampleId :

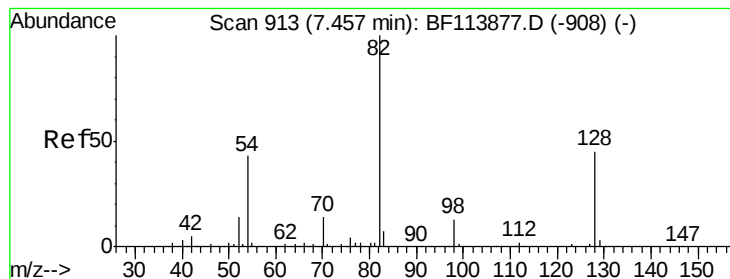
Tot Ion: 70 Resp: 103314
Ion Ratio Lower Upper
70 100
42 36.8 37.3 55.9#
101 0.0 7.8 11.8#
130 2.4 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion: 136 Resp: 300143
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.8 5.0 7.6
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 155.952 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

Instrument :

BNA_F

ClientSampleId :

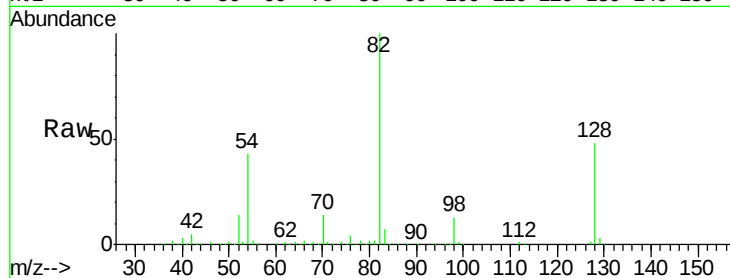
Tot Ion: 82 Resp: 758099

Ion Ratio Lower Upper

82 100

128 48.1 36.8 55.2

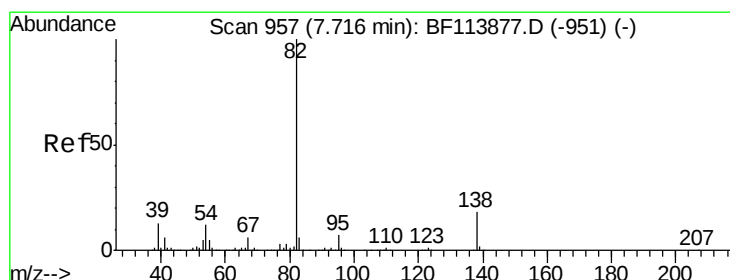
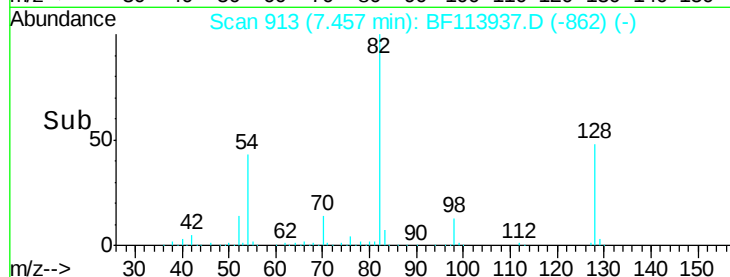
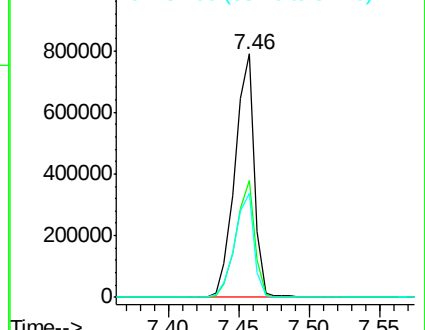
54 42.7 33.8 50.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 76.216 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

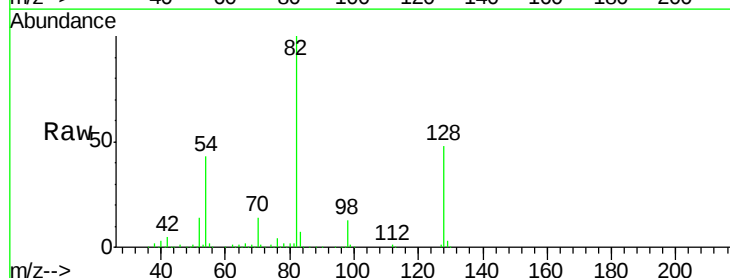
Tgt Ion: 82 Resp: 758092

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

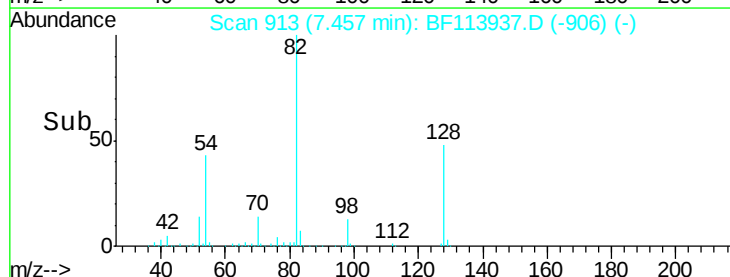
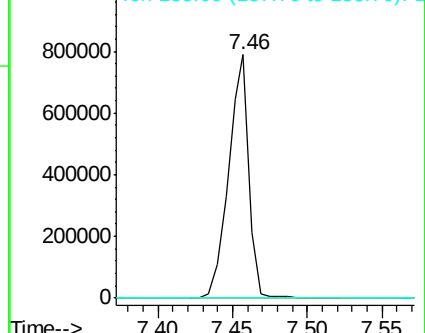
138 0.0 14.6 22.0#

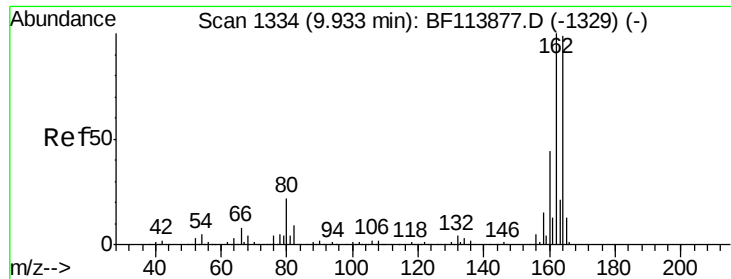


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

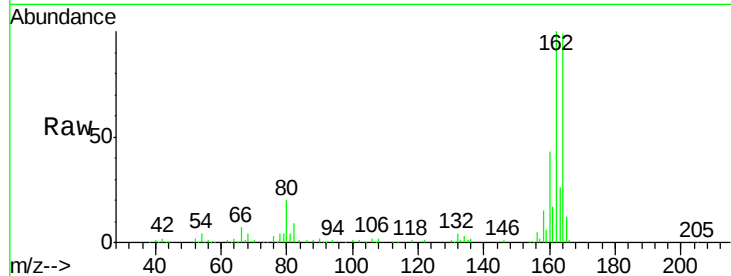




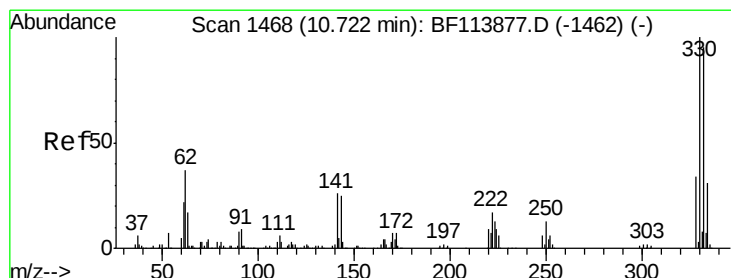
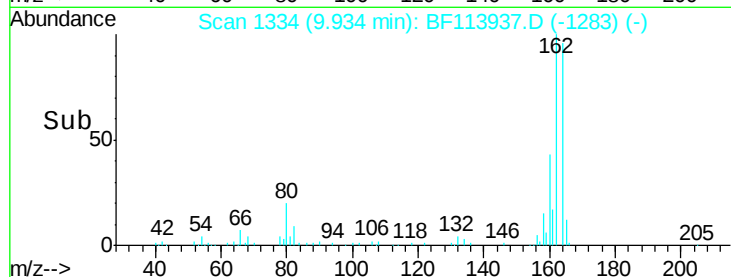
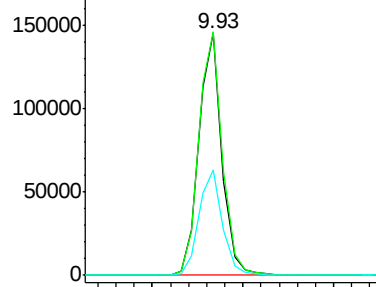
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 127754
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 43.5 35.8 53.6

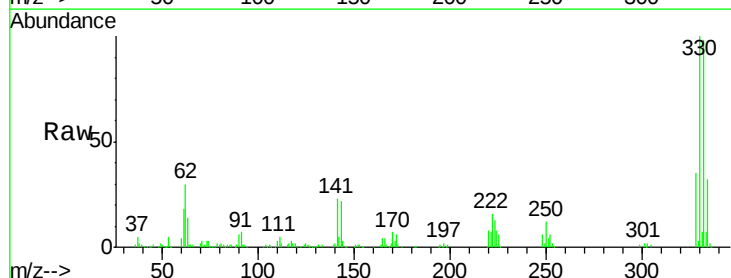


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

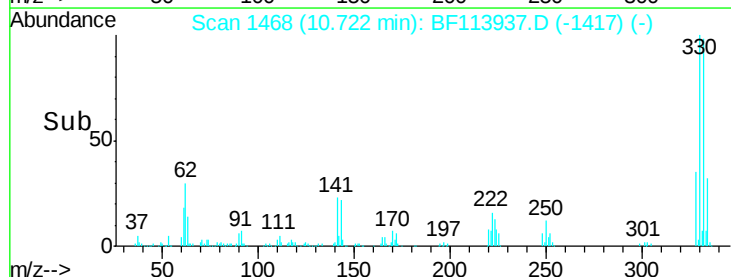
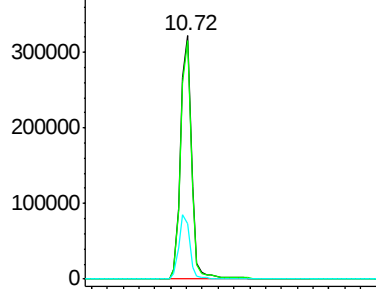


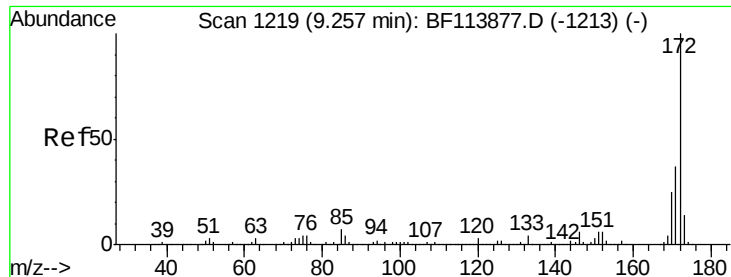
#42
2,4,6-Tribromophenol
Concen: 200.681 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion:330 Resp: 312321
Ion Ratio Lower Upper
330 100
332 97.3 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



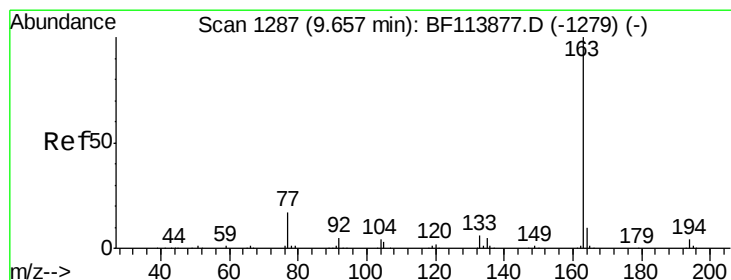
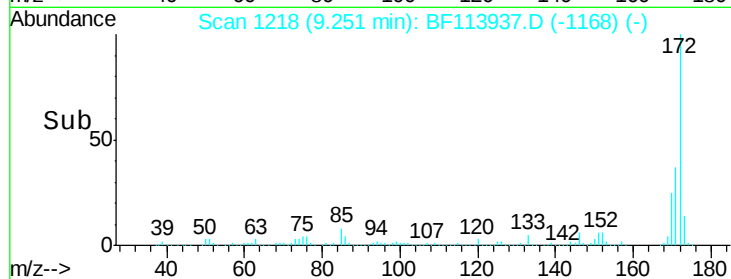
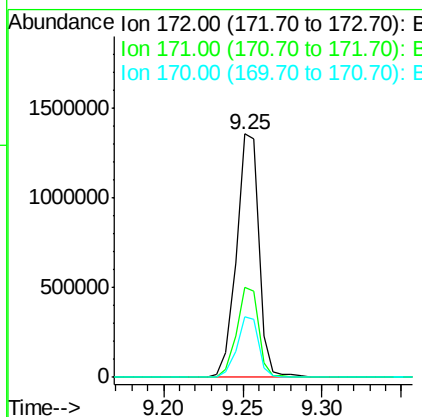
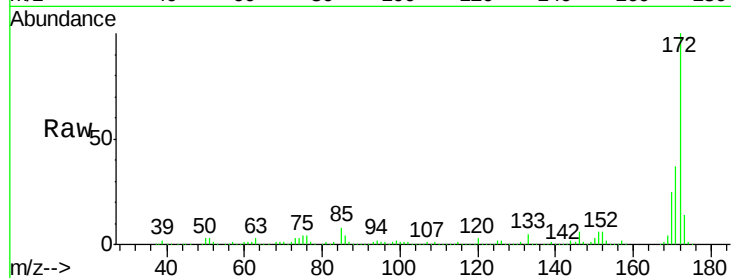


#45
 2-Fluorobiphenyl
 Concen: 163.567 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113937.D
 Acq: 23 Apr 2019 22:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1336065

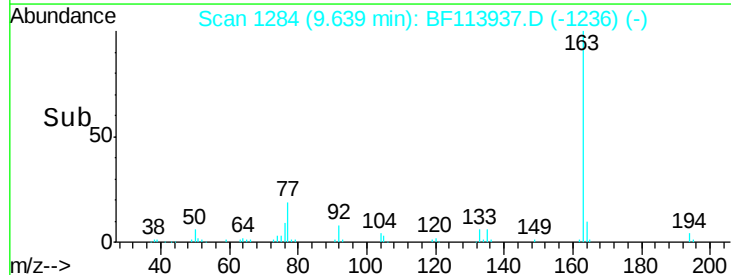
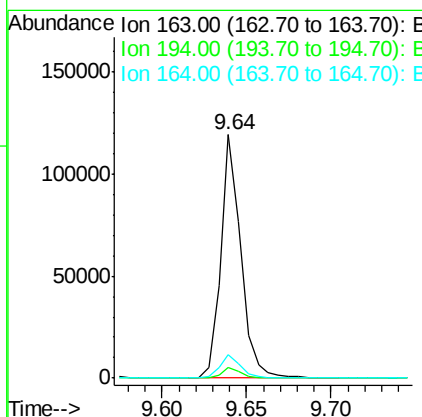
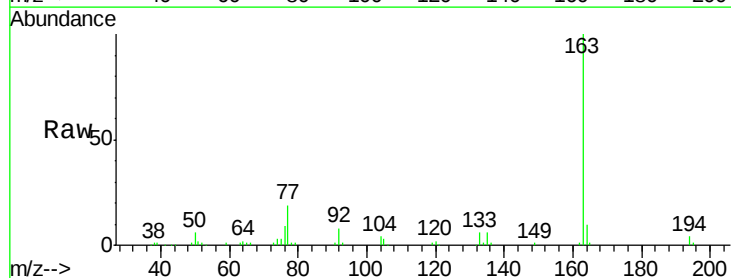
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.7	19.9	29.9

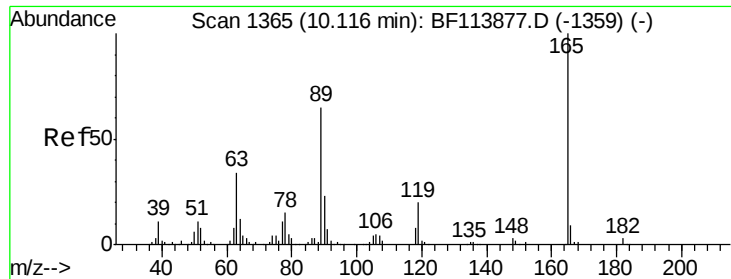


#50
 Dimethylphthalate
 Concen: 10.719 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.02 min
 Lab File: BF113937.D
 Acq: 23 Apr 2019 22:45

Tgt Ion:163 Resp: 99036

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	9.9	8.5	12.7

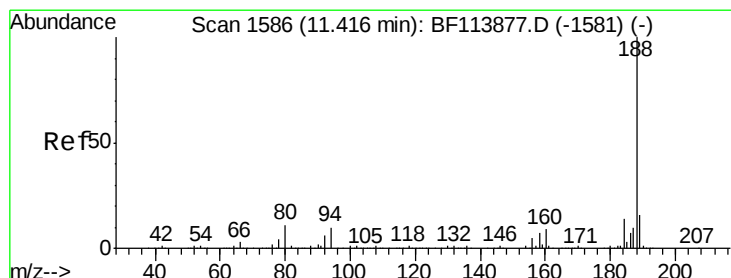
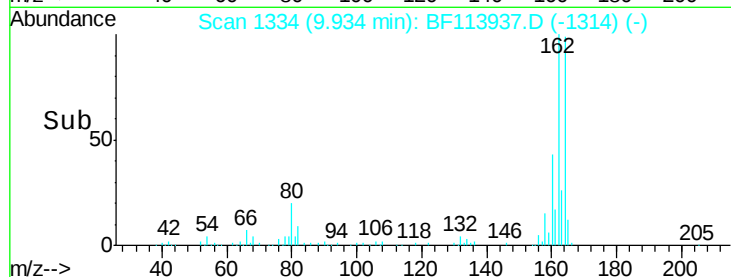
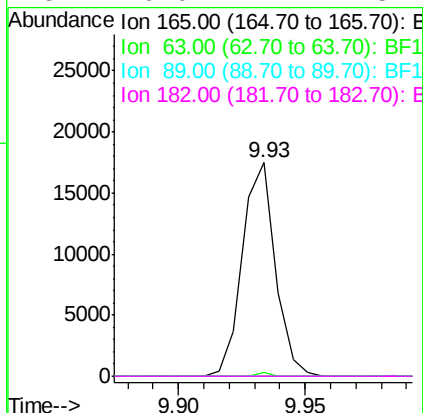
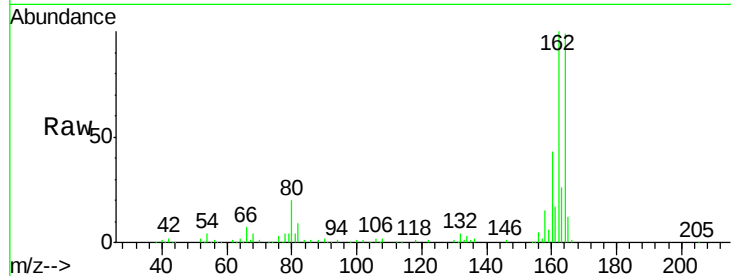




#57
 2,4-Dinitrotoluene
 Concen: 6.333 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113937.D
 Acq: 23 Apr 2019 22:45

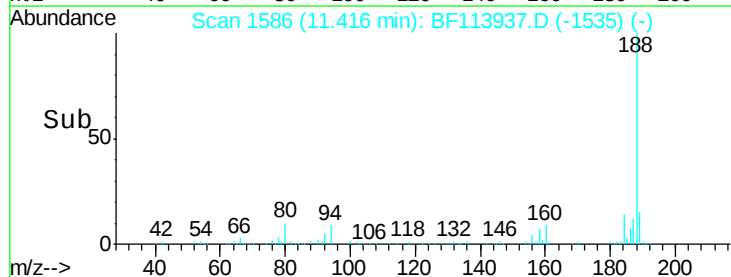
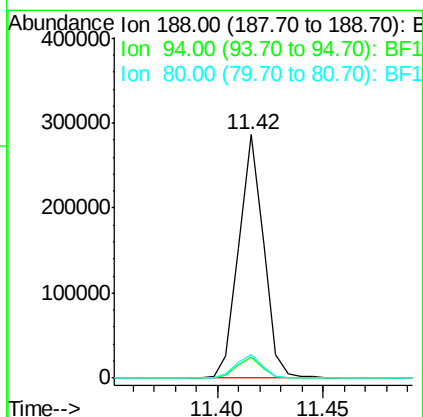
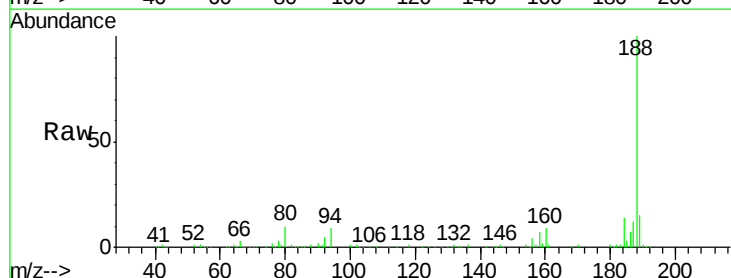
Instrument :
 BNA_F
 ClientSampled :

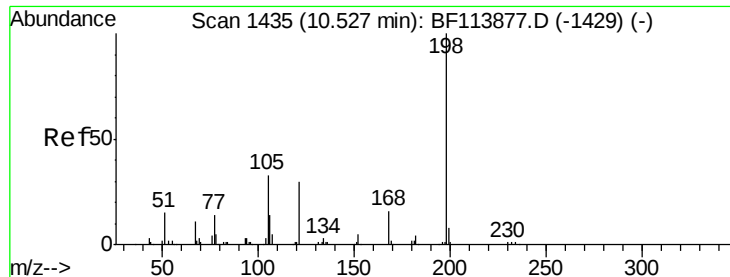
Tot Ion:165 Resp: 15846
 Ion Ratio Lower Upper
 165 100
 63 1.9 27.4 41.0#
 89 0.0 51.8 77.6#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113937.D
 Acq: 23 Apr 2019 22:45

Tgt Ion:188 Resp: 233348
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.7 9.0 13.6

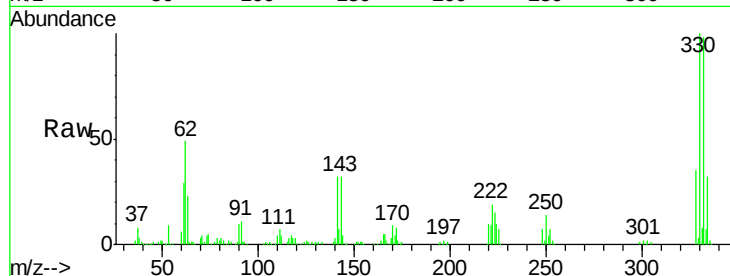




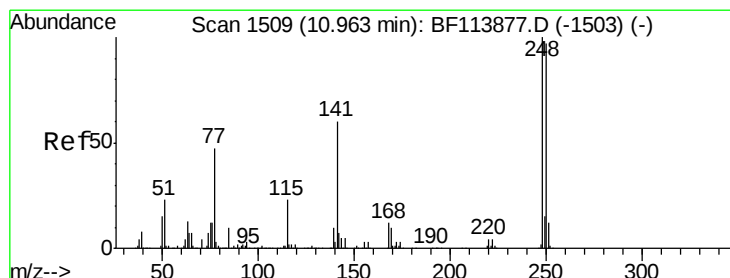
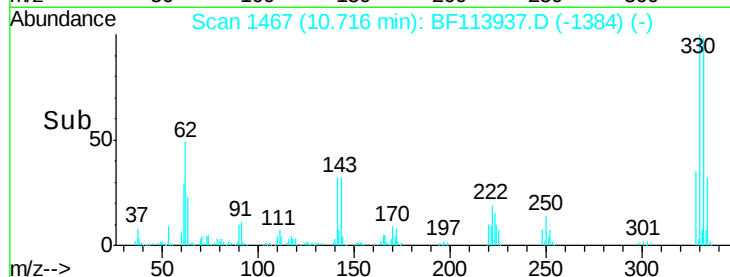
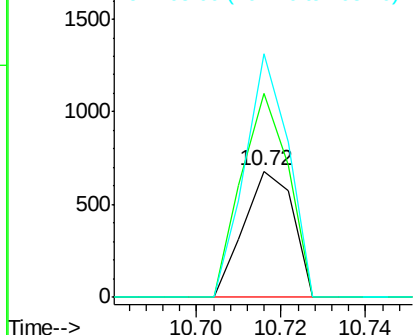
#65
4,6-Dinitro-2-methylphenol
Concen: 7.746 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 553
Ion Ratio Lower Upper
198 100
51 161.5 11.1 51.1#
105 192.8 20.7 60.7#

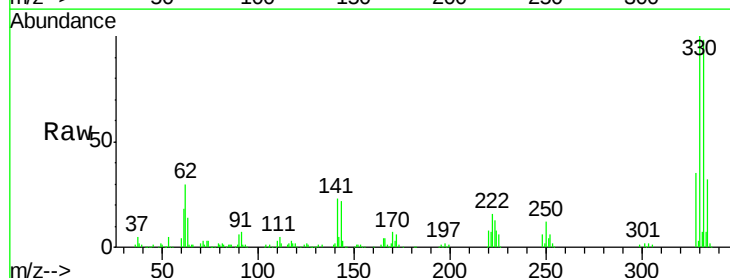


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

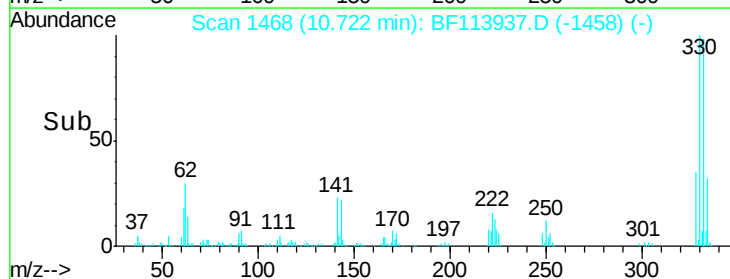
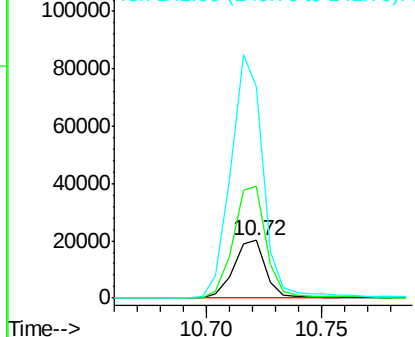


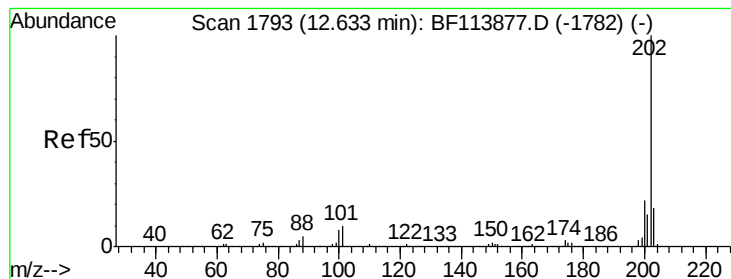
#67
4-Bromophenyl-phenylether
Concen: 6.885 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion:248 Resp: 19408
Ion Ratio Lower Upper
248 100
250 193.8 75.8 113.6#
141 368.3 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





#75

Fluoranthene

Concen: 4.495 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

Instrument :

BNA_F

ClientSampleId :

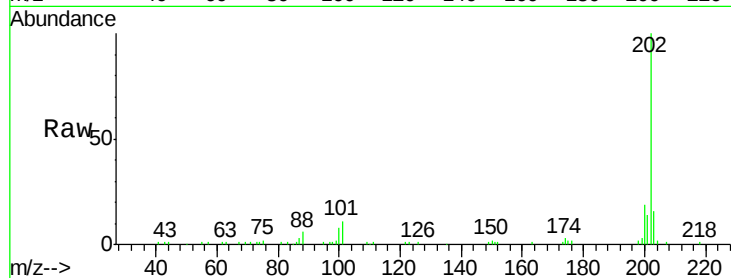
Tot Ion:202 Resp: 57514

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.9

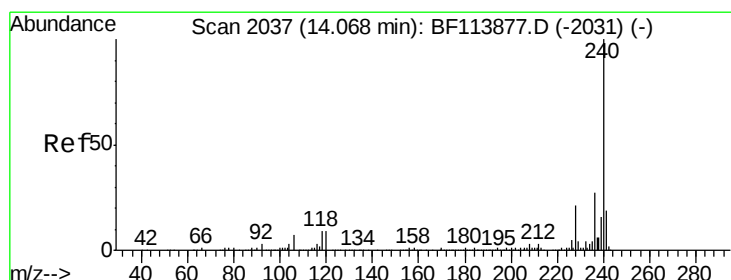
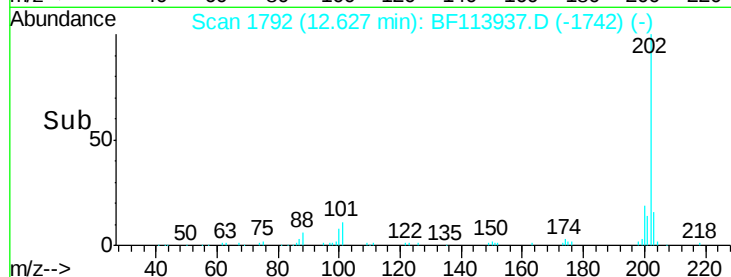
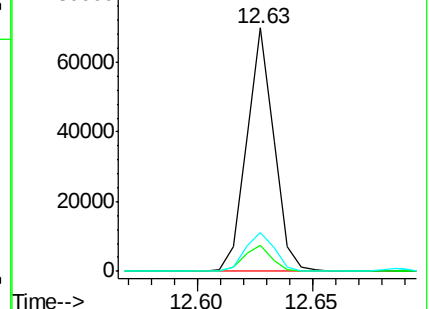
203 15.8 0.0 38.2



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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

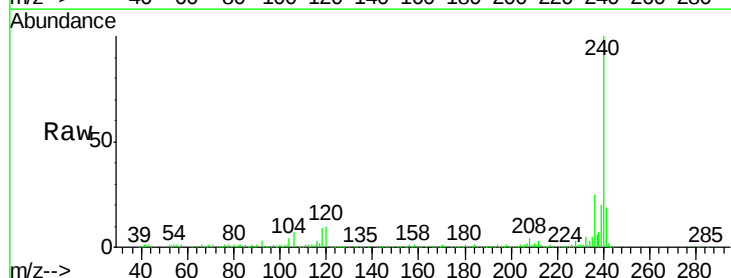
Tgt Ion:240 Resp: 268117

Ion Ratio Lower Upper

240 100

120 9.8 9.3 13.9

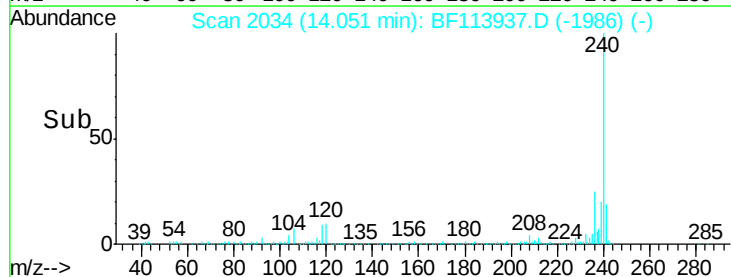
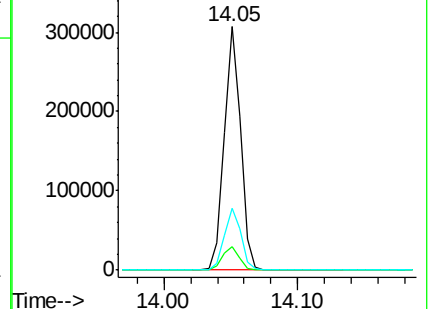
236 25.4 21.2 31.8

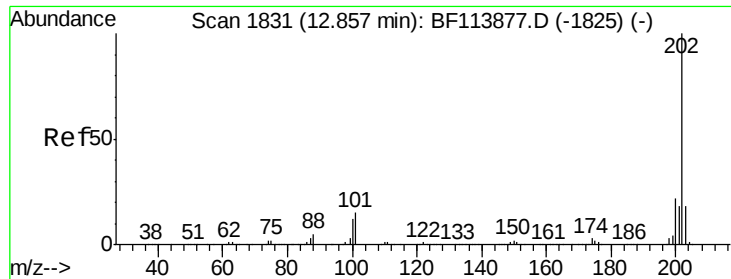


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

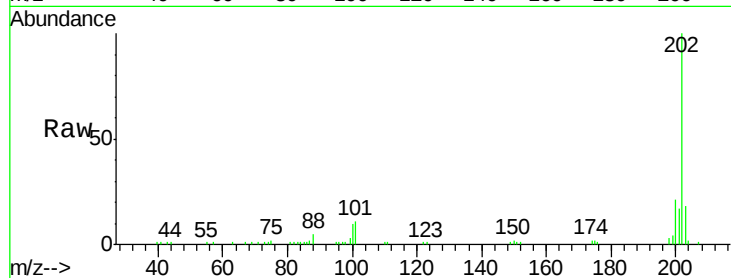




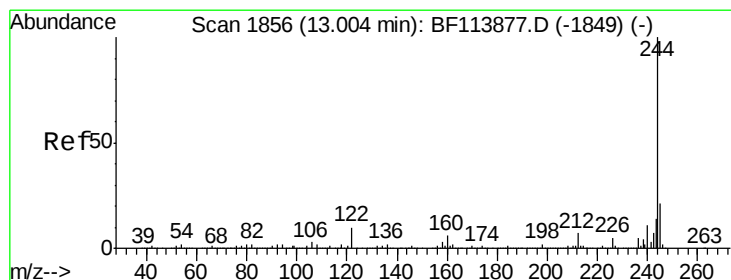
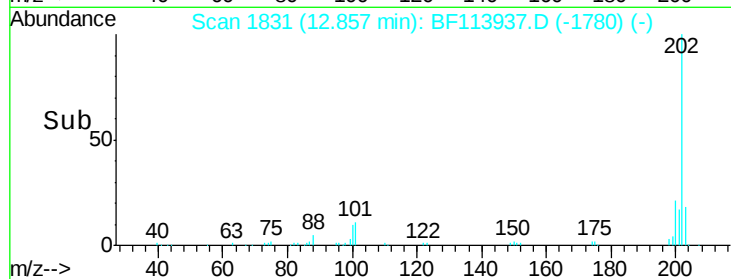
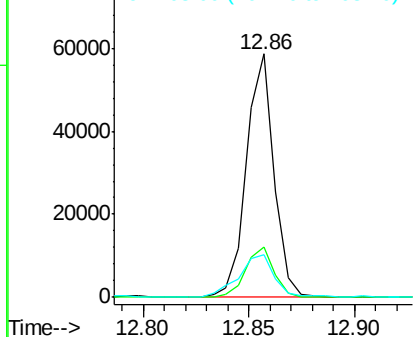
#78
Pvrene
Concen: 2.834 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	17.5	15.0	22.6

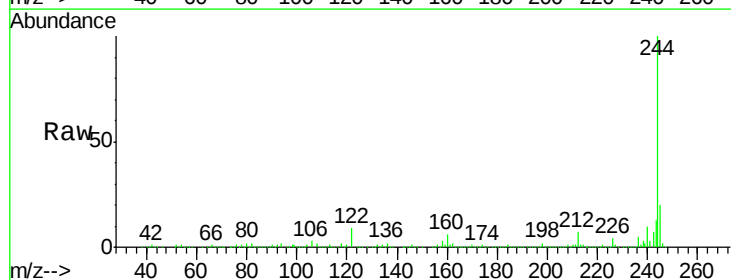


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

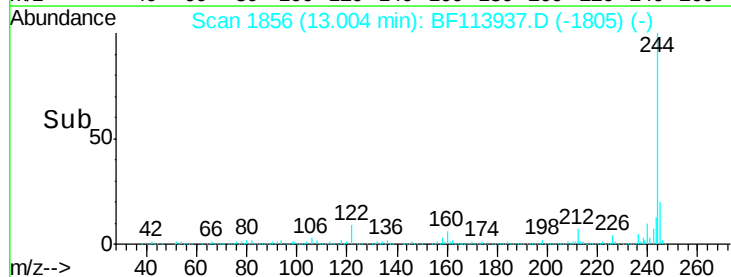
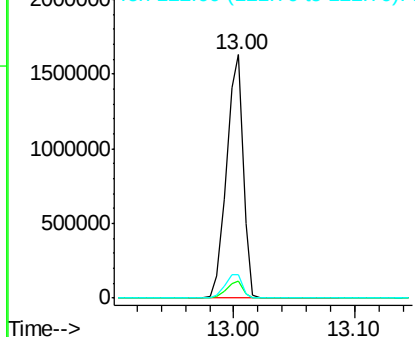


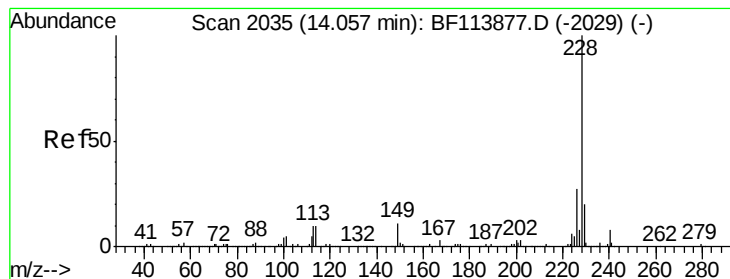
#79
Terphenyl-d14
Concen: 118.596 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	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: 2.200 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

Instrument :

BNA_F

ClientSampleId :

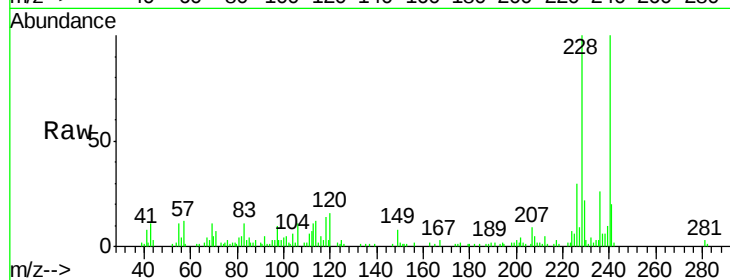
Tot Ion:228 Resp: 34760

Ion Ratio Lower Upper

228 100

226 30.0 22.2 33.2

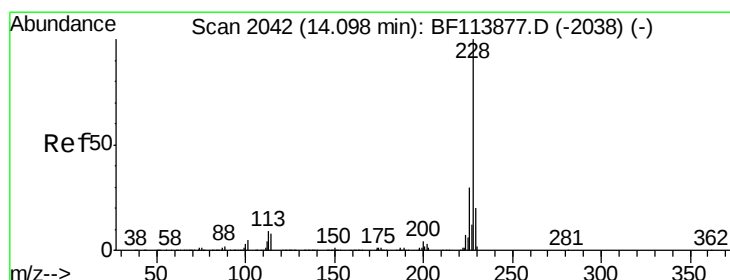
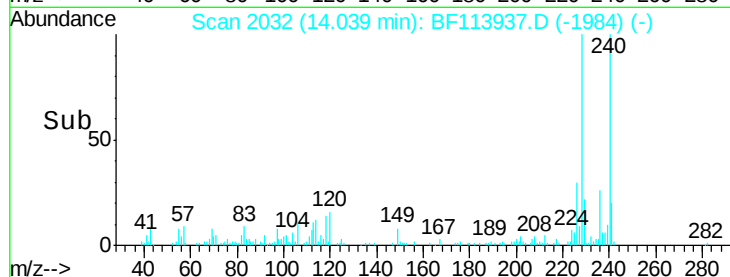
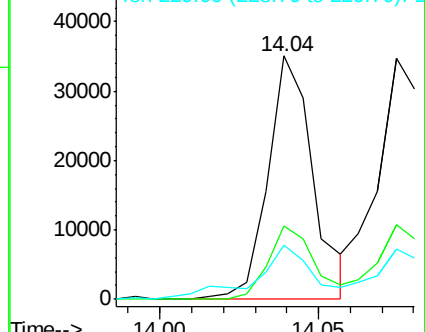
229 22.5 16.0 24.0



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: 2.315 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.02 min

Lab File: BF113937.D

Acq: 23 Apr 2019 22:45

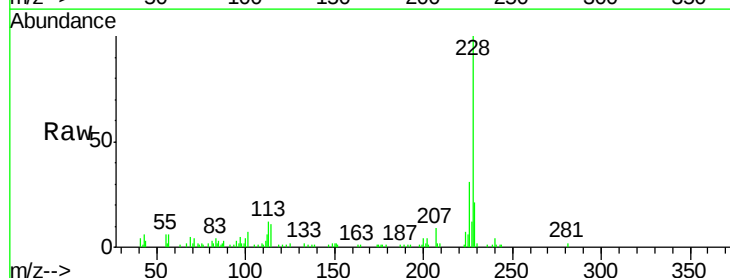
Tgt Ion:228 Resp: 35616

Ion Ratio Lower Upper

228 100

226 31.0 25.2 37.8

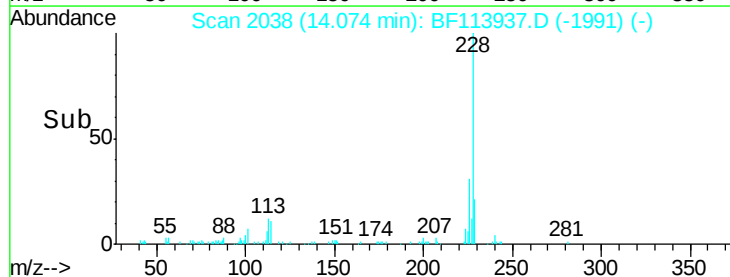
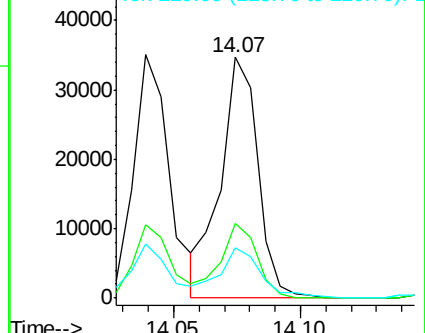
229 21.1 16.7 25.1

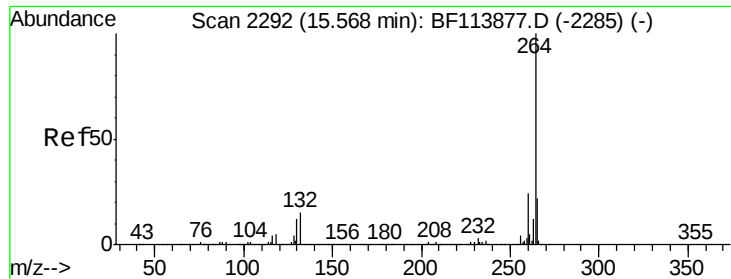


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

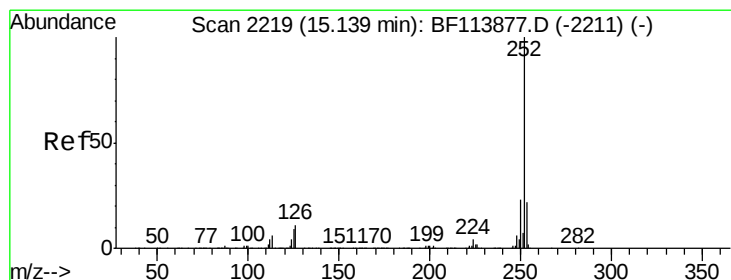
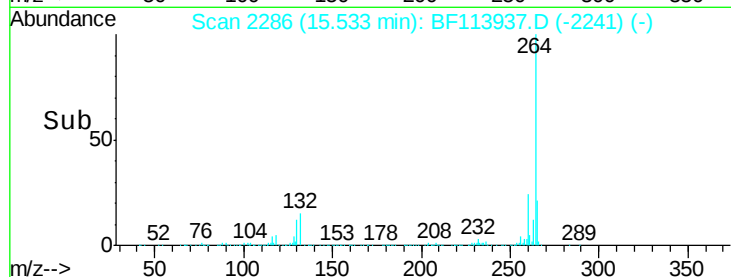
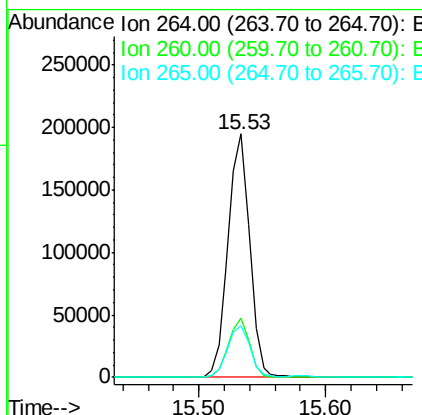
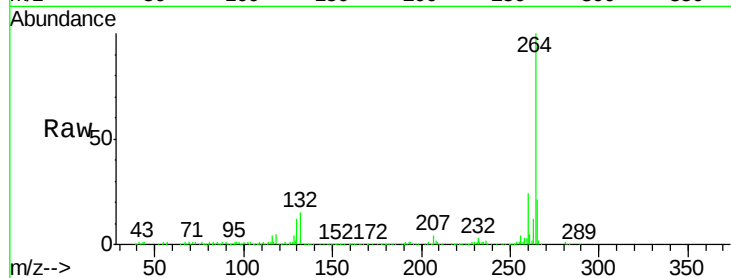




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.04 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

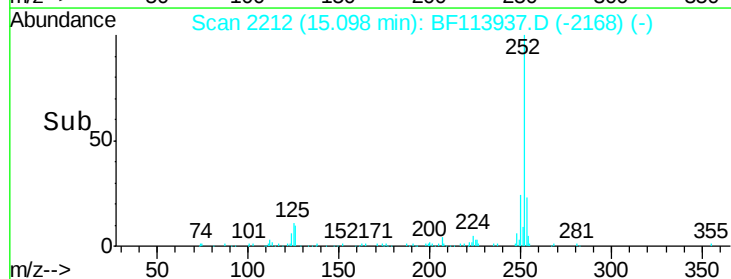
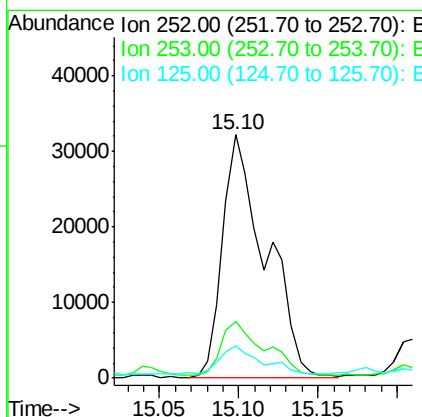
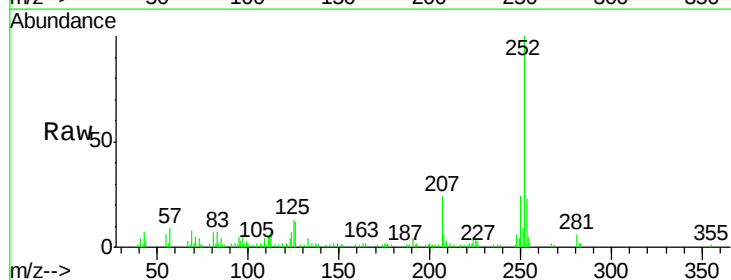
Instrument :
BNA_F
ClientSampleId :

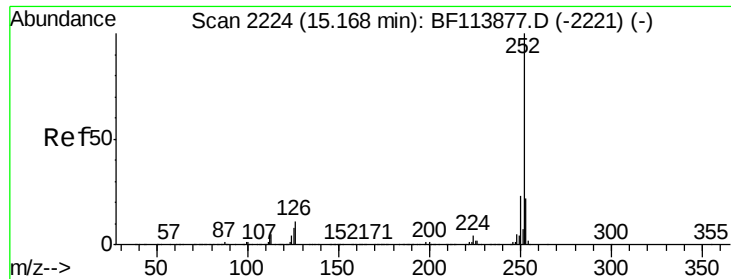
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	21.1	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 4.208 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.3	7.0	10.6

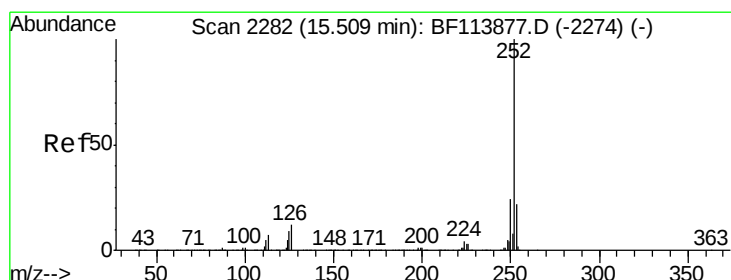
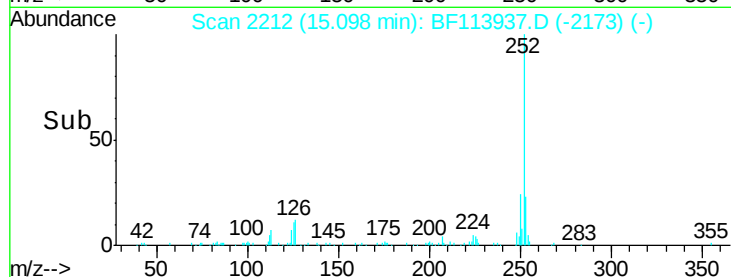
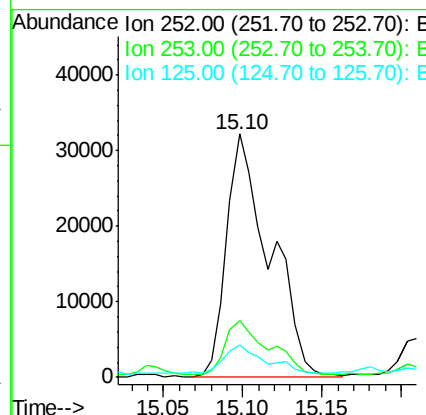
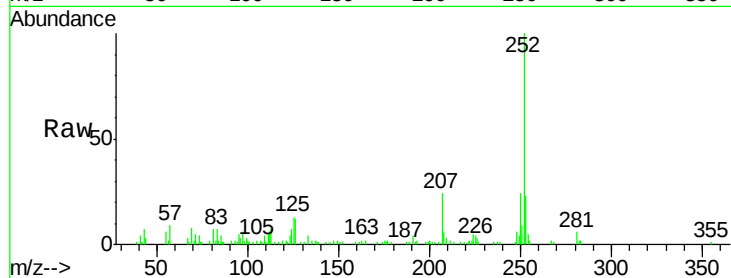




#89
Benzo(k)fluoranthene
Concen: 4.892 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 61323
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 13.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.306 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF113937.D
Acq: 23 Apr 2019 22:45

Tgt Ion:252 Resp: 29062
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 8.5 12.7

