

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113037.D
 Acq On : 13 Mar 2019 19:22
 Operator : JU/SJ
 Sample : K1871-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

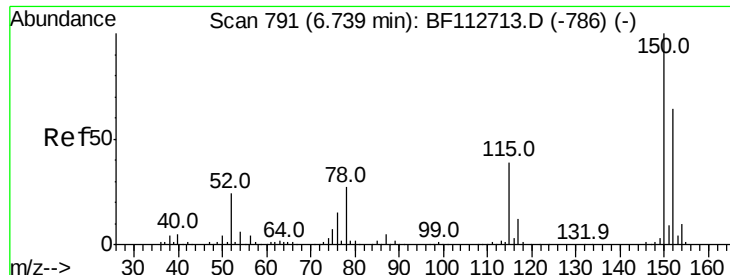
Quant Time: Mar 14 02:02:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146327	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	565369	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	199558	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	301442	20.00	ng	0.02
76) Chrysene-d12	13.88	240	351012	20.00	ng	0.01
87) Perylene-d12	15.27	264	442068	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	809354	86.04	ng	0.00
7) Phenol-d6	6.37	99	1058490	89.58	ng	0.00
23) Nitrobenzene-d5	7.29	82	642690	68.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	233905	110.41	ng	0.01
45) 2-Fluorobiphenyl	9.09	172	1138882	98.74	ng	0.00
79) Terphenyl-d14	12.84	244	808814	44.67	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	90263	12.061	ng	# 76
25) Isophorone	7.29	82	638000	31.344	ng	# 66
35) Caprolactam	8.45	113	16418	5.902	ng	# 4
48) 2-Nitroaniline	9.48	65	9728	2.518	ng	# 96
50) Dimethylphthalate	9.47	163	114966	7.813	ng	# 74
51) 2,6-Dinitrotoluene	9.54	165	21650	7.066	ng	# 29
53) 3-Nitroaniline	9.72	138	16881	4.521	ng	# 24
54) 2,4-Dinitrophenol	9.82	184	1701	7.701	ng	# 1
56) 4-Nitrophenol	9.91	139	7734	2.549	ng	# 1
62) 4-Nitroaniline	10.23	138	22058	6.393	ng	# 95
65) 4,6-Dinitro-2-methylphenol	10.39	198	2610	6.517	ng	# 1
66) n-Nitrosodiphenylamine	10.45	169	79210	8.193	ng	# 57
75) Fluoranthene	12.47	202	61109	3.803	ng	# 77
81) Benzo(a)anthracene	13.87	228	50499	2.076	ng	# 83
88) Benzo(b)fluoranthene	14.88	252	118495	4.144	ng	# 66
89) Benzo(k)fluoranthene	14.88	252	118495	4.575	ng	# 67
90) Benzo(a)pyrene	15.22	252	63987	2.530	ng	# 75
92) Benzo(g,h,i)perylene	17.02	276	61227	2.825	ng	# 96

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

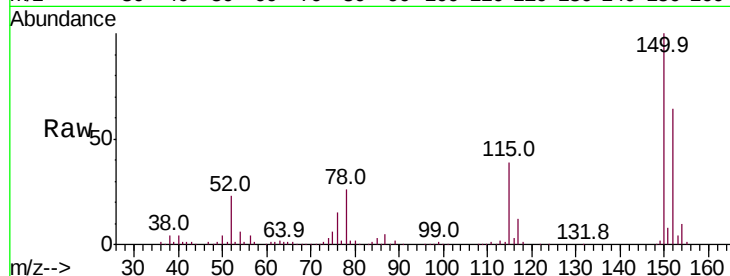


#1

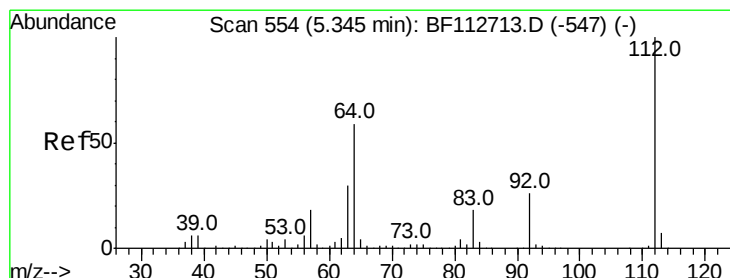
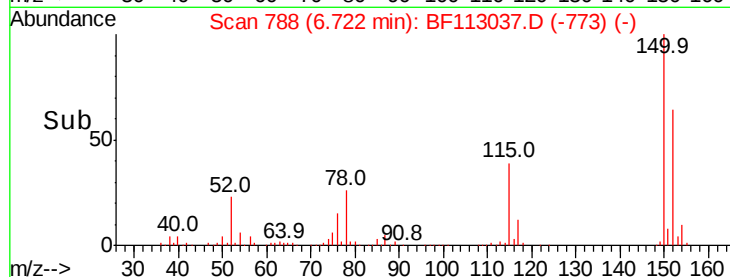
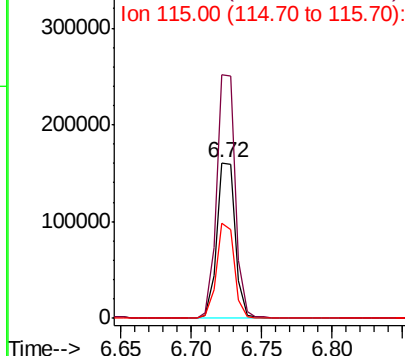
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146327
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 61.1 48.2 72.4



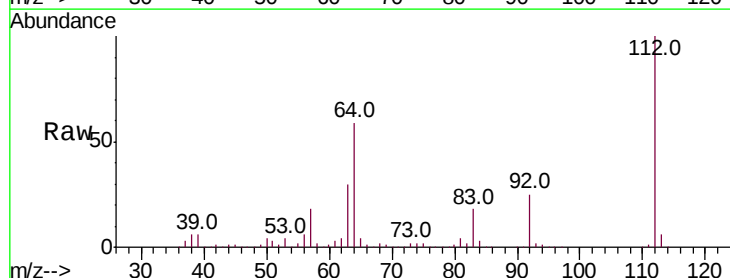
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



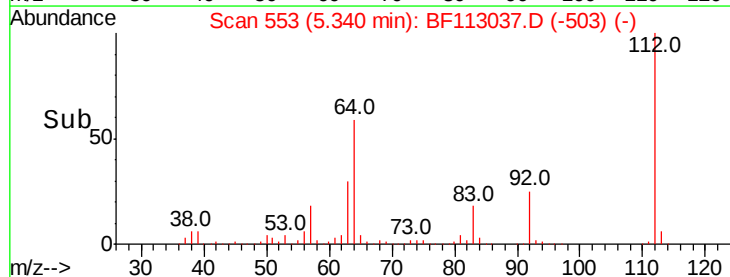
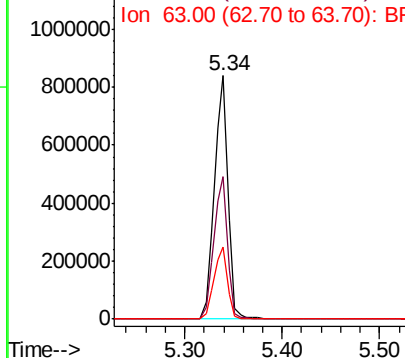
#5

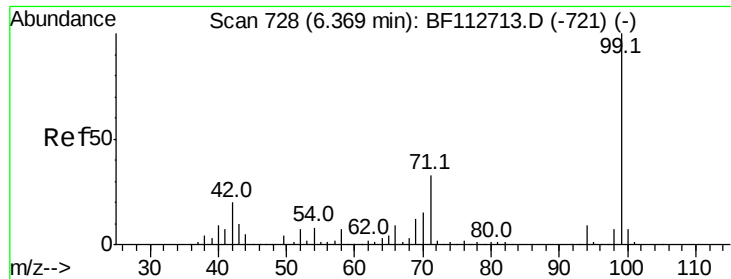
2-Fluorophenol
Concen: 86.039 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion:112 Resp: 809354
Ion Ratio Lower Upper
112 100
64 58.8 47.6 71.4
63 29.5 24.4 36.6



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: 89.577 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

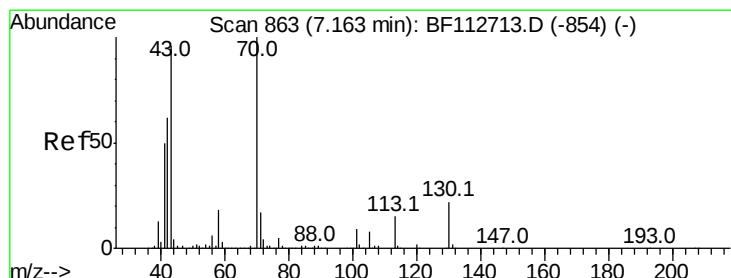
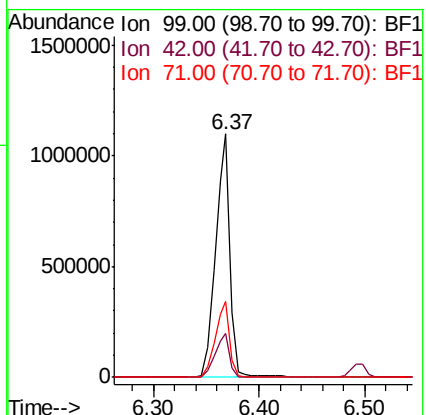
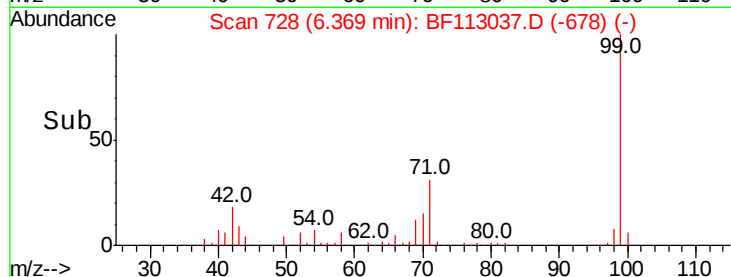
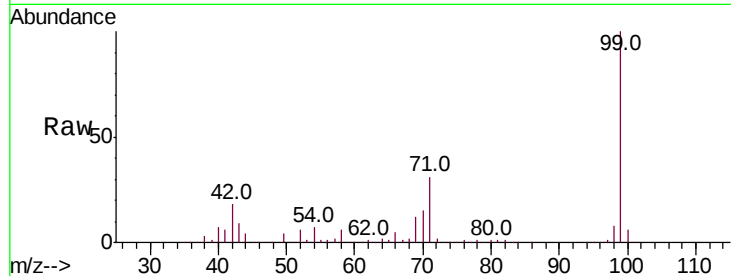
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1058490

Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.3	24.5
71	31.4	26.2	39.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.061 ng

RT: 7.29 min Scan# 884

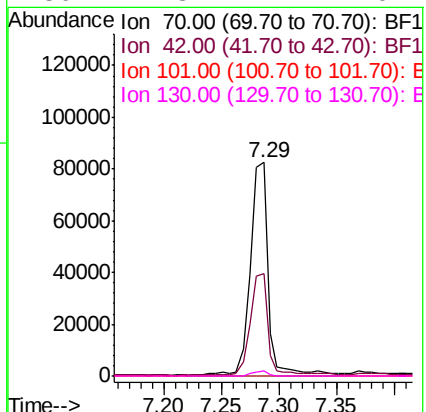
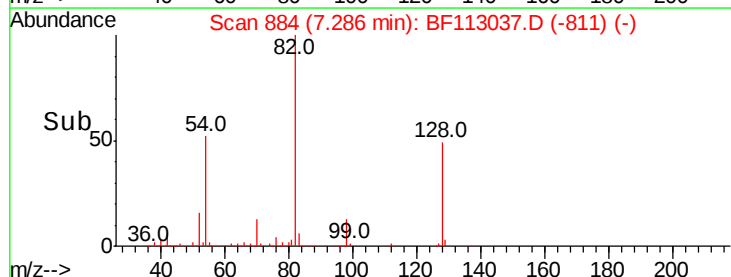
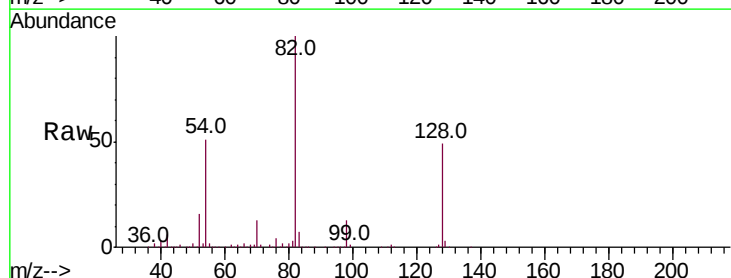
Delta R.T. 0.13 min

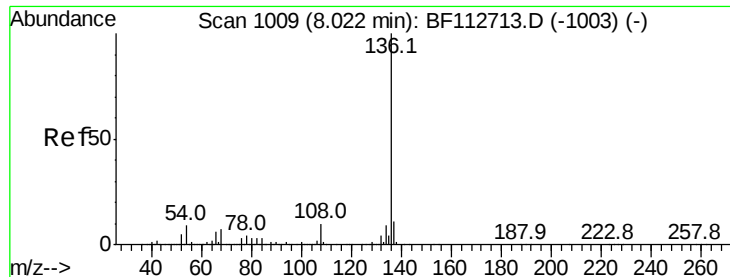
Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

Tgt Ion: 70 Resp: 90263

Ion	Ratio	Lower	Upper
70	100		
42	48.1	49.9	74.9#
101	0.0	7.4	11.2#
130	2.3	17.4	26.2#

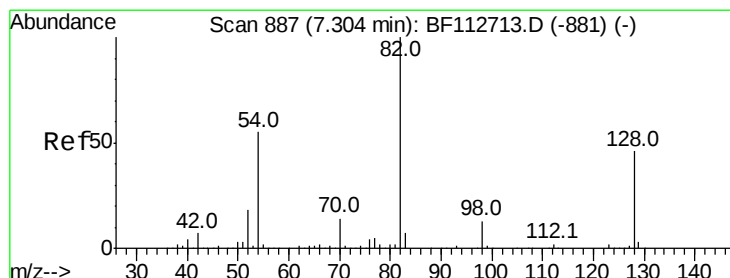
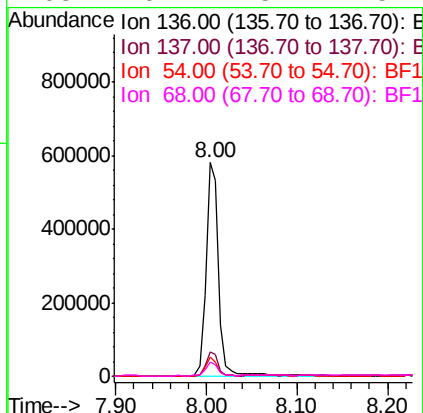
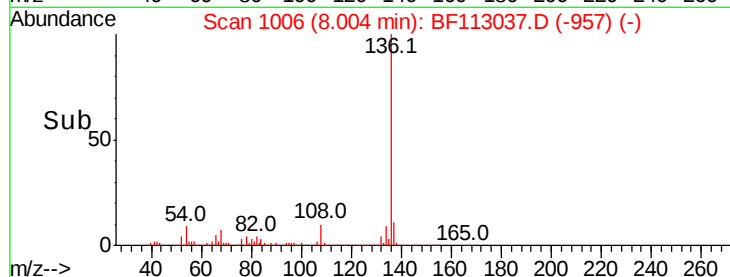
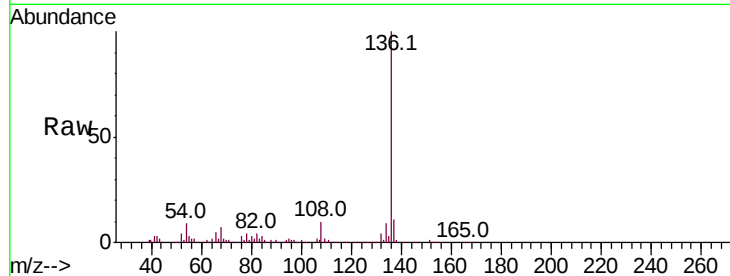




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

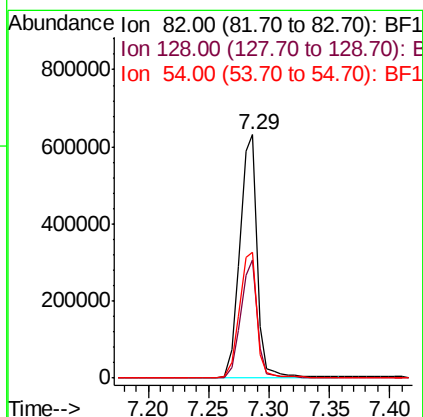
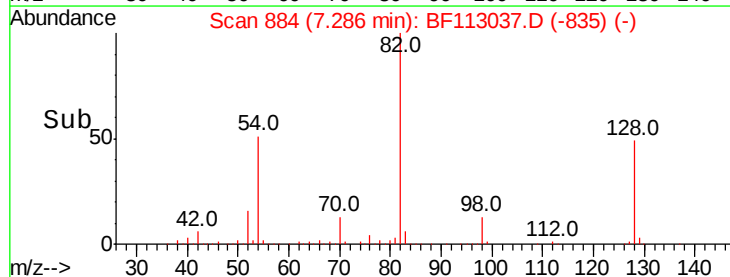
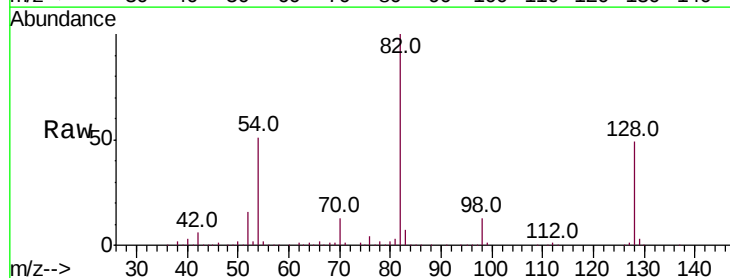
Instrument :
BNA_F
ClientSampleId :

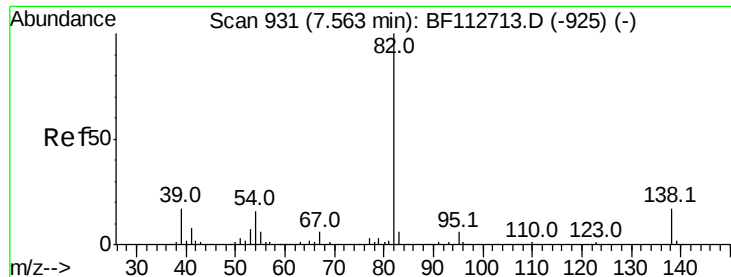
Tot Ion:136	Resp:	565369
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	9.0	7.3 10.9
68	6.7	5.4 8.2



#23
Nitrobenzene-d5
Concen: 68.021 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion: 82	Resp:	642690
Ion Ratio	Lower	Upper
82	100	
128	48.8	36.3 54.5
54	51.5	43.7 65.5





#25

Isophorone

Concen: 31.344 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

Instrument :
BNA_F
ClientSampled :

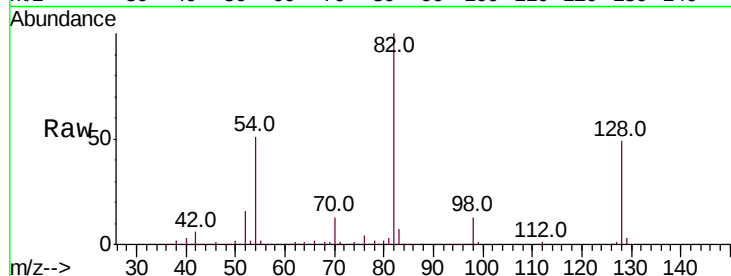
Tot Ion: 82 Resp: 638000

Ion Ratio Lower Upper

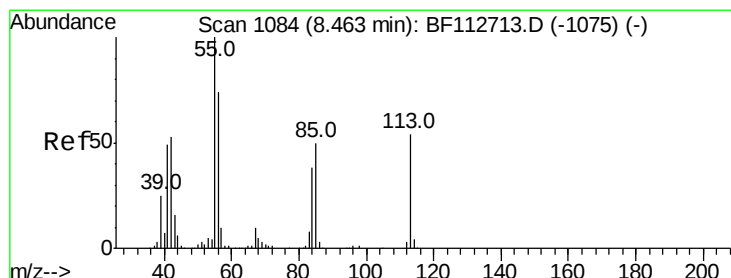
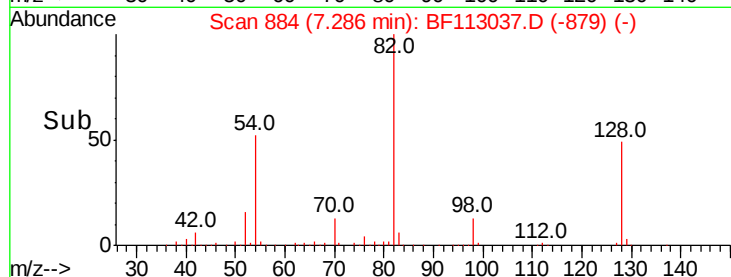
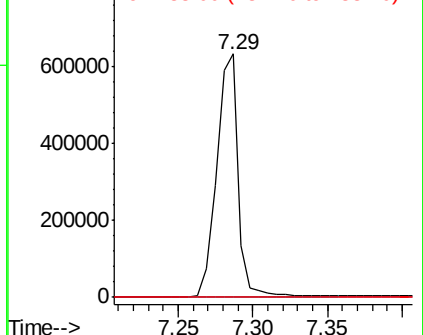
82 100

95 0.2 5.2 7.8#

138 0.0 13.8 20.8#



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



#35

Caprolactam

Concen: 5.902 ng

RT: 8.45 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

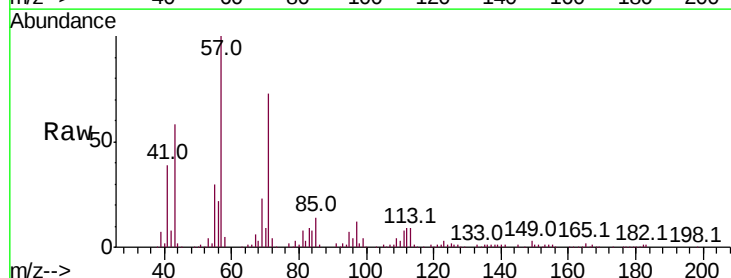
Tgt Ion: 113 Resp: 16418

Ion Ratio Lower Upper

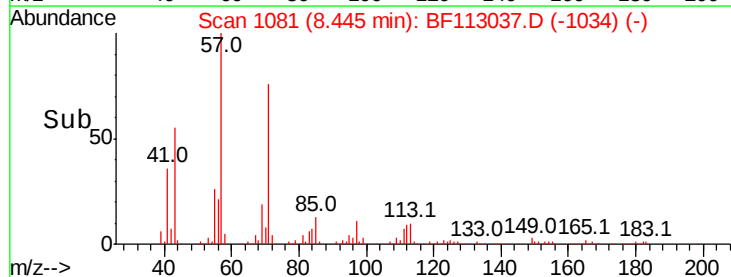
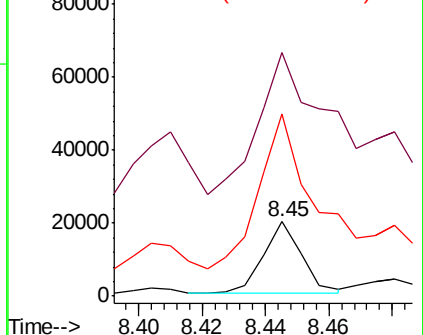
113 100

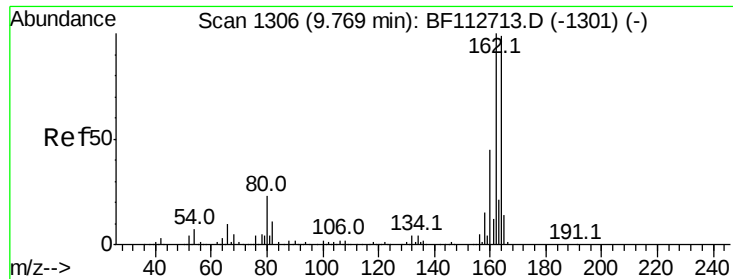
55 327.0 163.5 203.5#

56 244.2 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

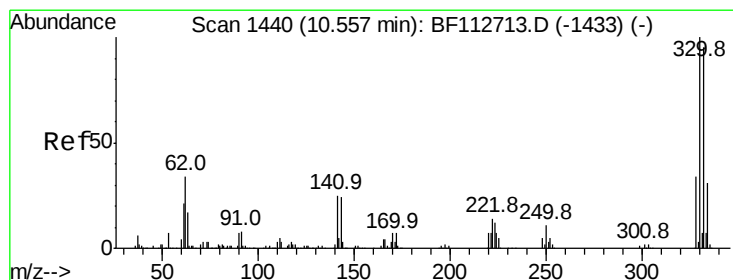
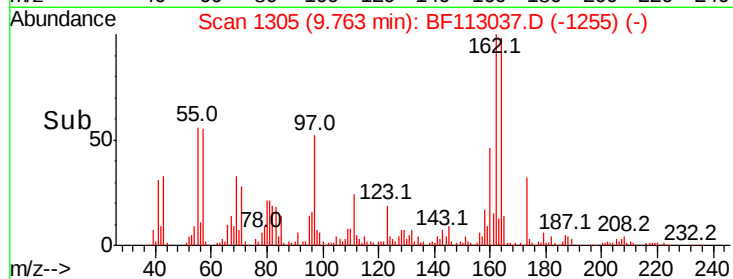
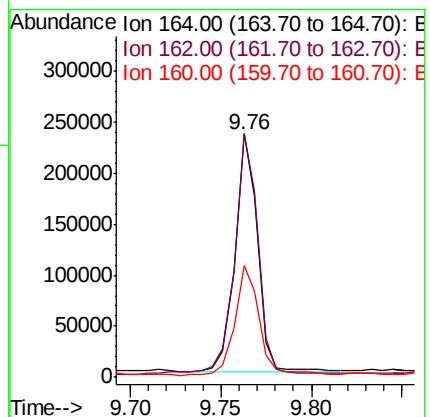
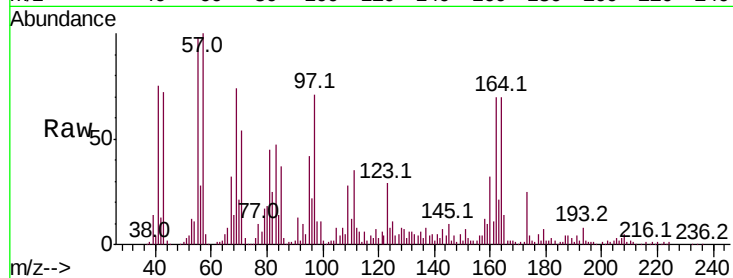




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

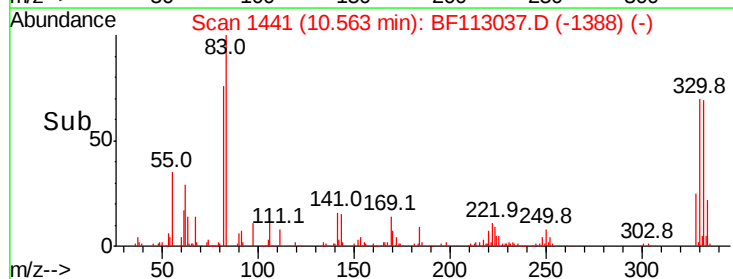
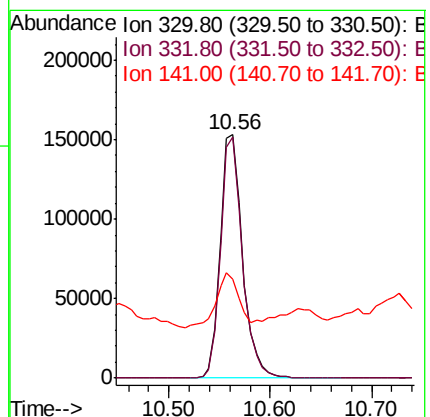
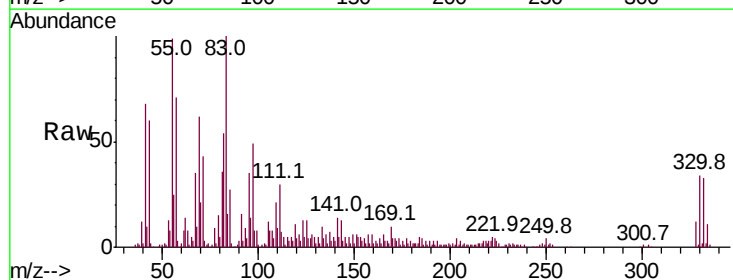
Instrument :
BNA_F
ClientSampleId :

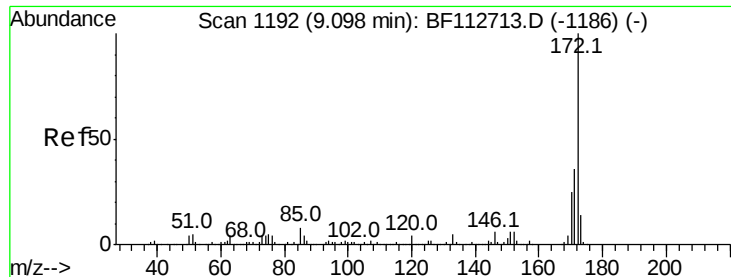
Tot Ion:164 Resp: 199558
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 45.8 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 110.408 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion:330 Resp: 233905
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 23.7 27.0 40.6#

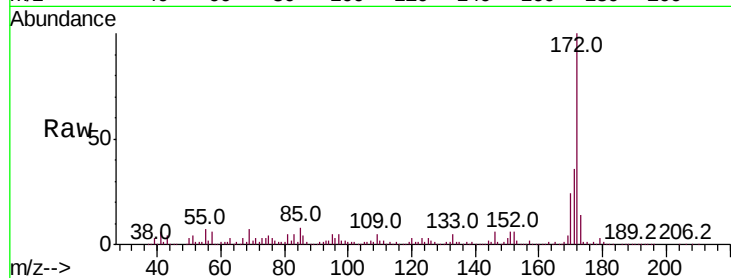




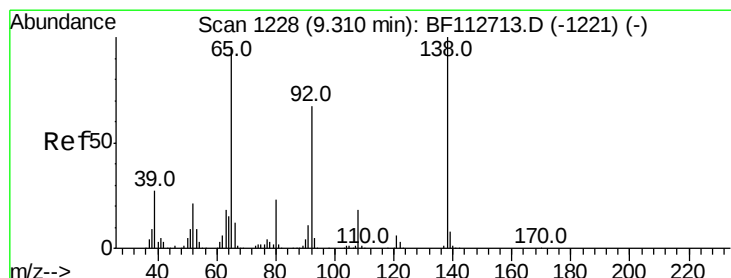
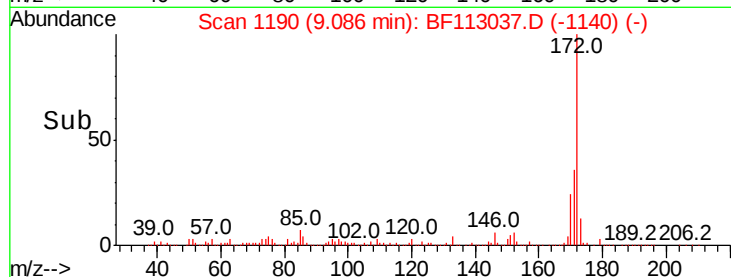
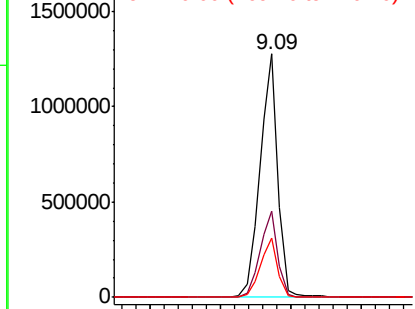
#45
2-Fluorobiphenyl
Concen: 98.742 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1138882
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 24.2 20.0 30.0

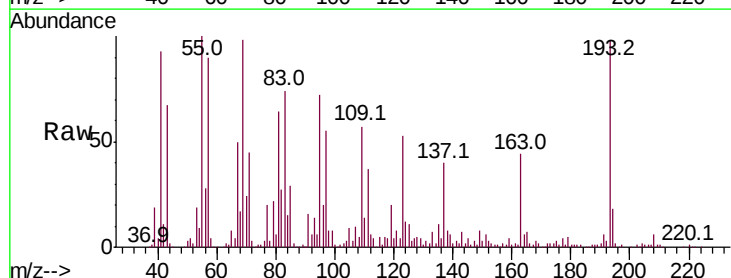


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

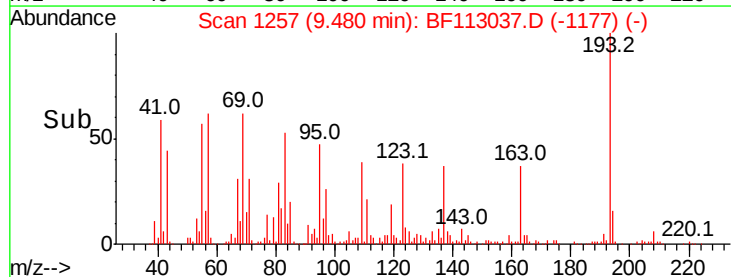
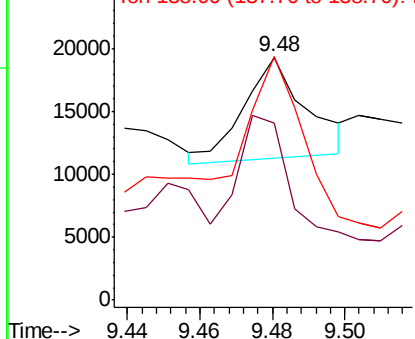


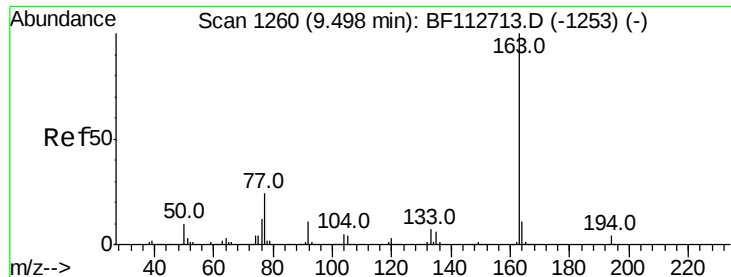
#48
2-Nitroaniline
Concen: 2.518 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.17 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion: 65 Resp: 9728
Ion Ratio Lower Upper
65 100
92 73.2 56.4 84.6
138 100.4 84.6 126.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 7.813 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

Instrument :

BNA_F

ClientSampleId :

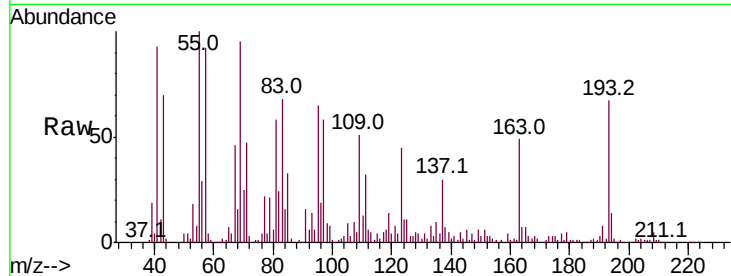
Tot Ion:163 Resp: 114966

Ion Ratio Lower Upper

163 100

194 27.7 3.0 4.4#

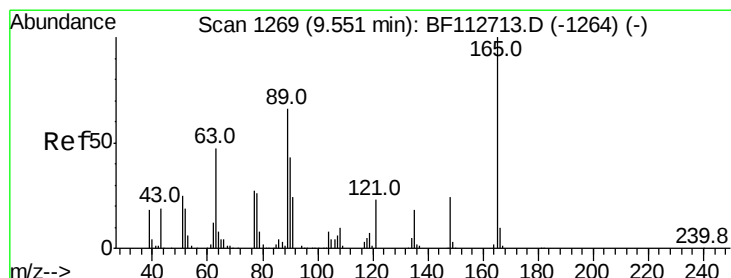
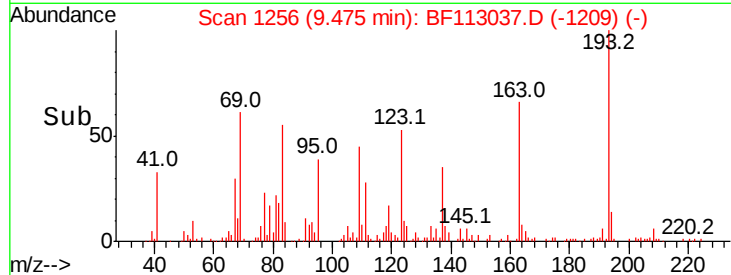
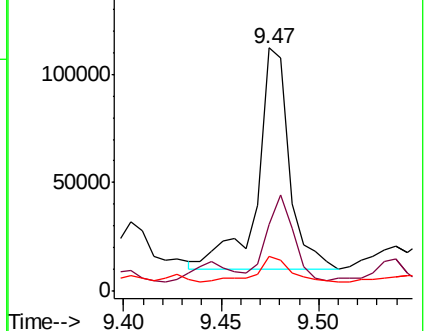
164 14.3 8.4 12.6#



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: 7.066 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

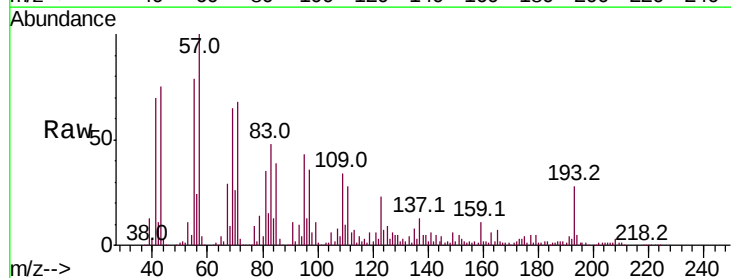
Tgt Ion:165 Resp: 21650

Ion Ratio Lower Upper

165 100

63 13.0 54.1 81.1#

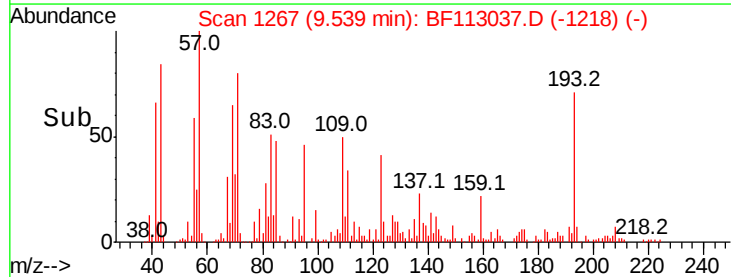
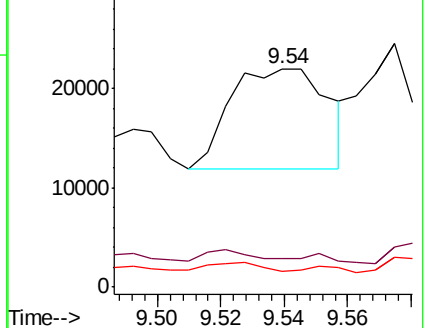
89 7.2 52.8 79.2#

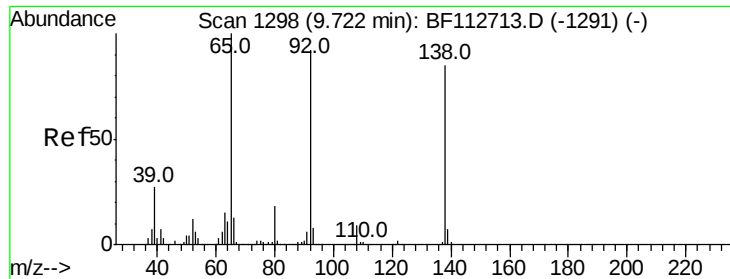


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

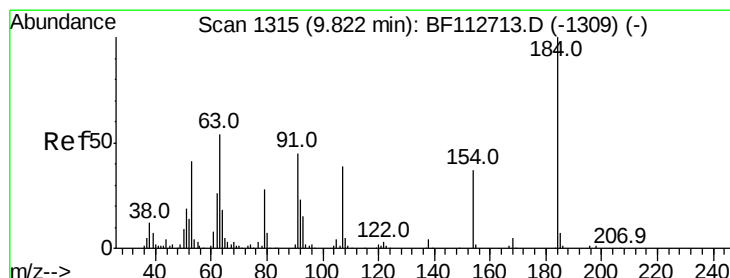
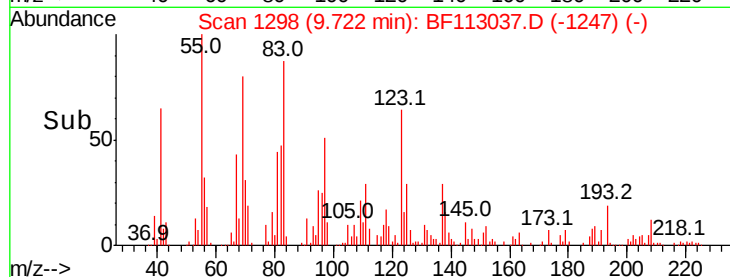
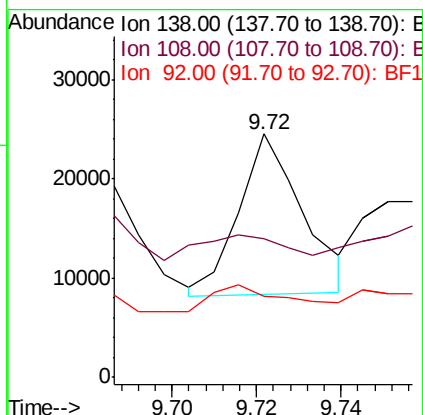
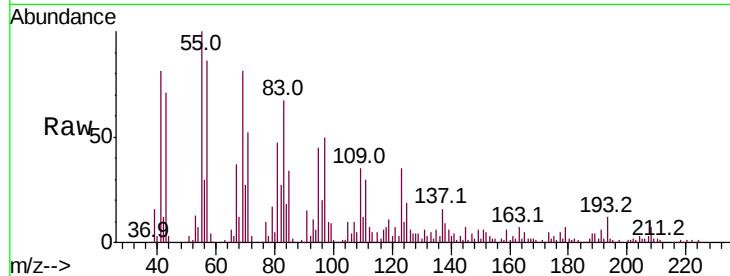




#53
3-Nitroaniline
Concen: 4.521 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

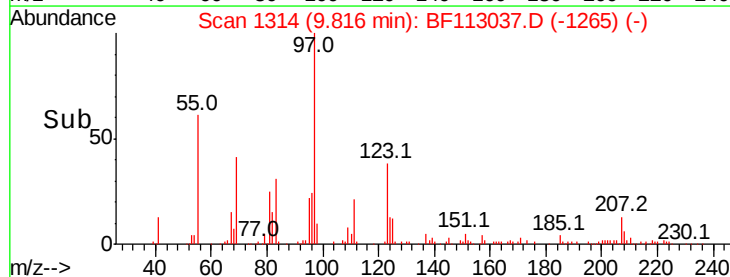
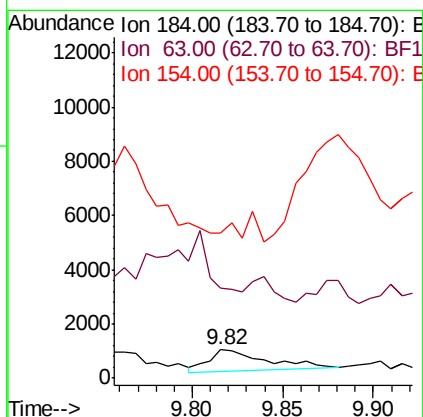
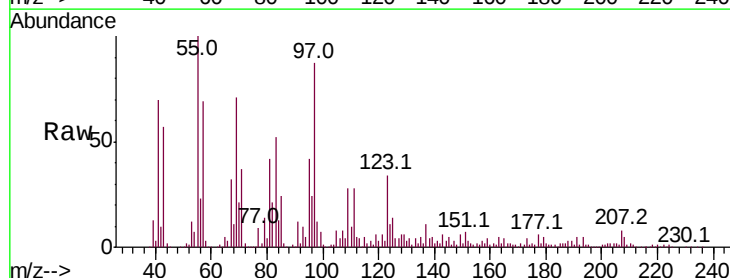
Instrument :
BNA_F
ClientSampleId :

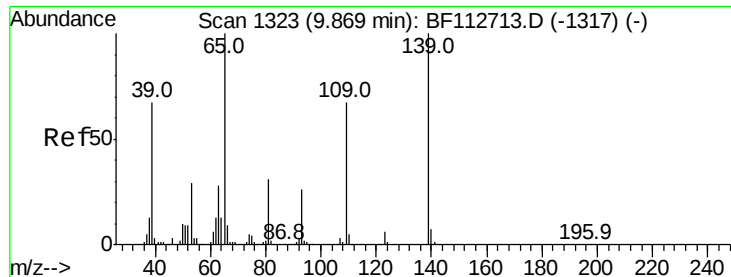
Tot Ion:138 Resp: 16881
Ion Ratio Lower Upper
138 100
108 56.9 8.6 13.0#
92 33.2 86.6 129.8#



#54
2,4-Dinitrophenol
Concen: 7.701 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion:184 Resp: 1701
Ion Ratio Lower Upper
184 100
63 315.7 45.3 67.9#
154 508.1 46.0 69.0#

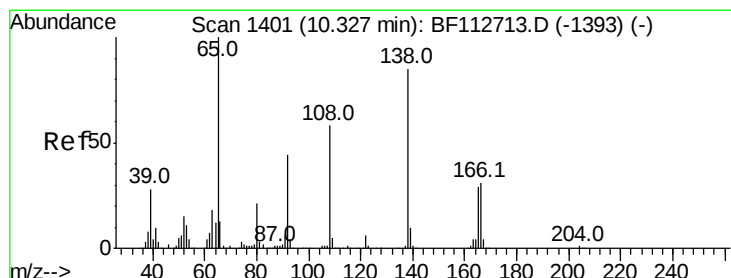
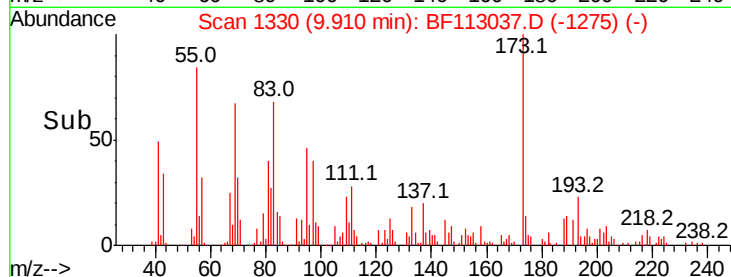
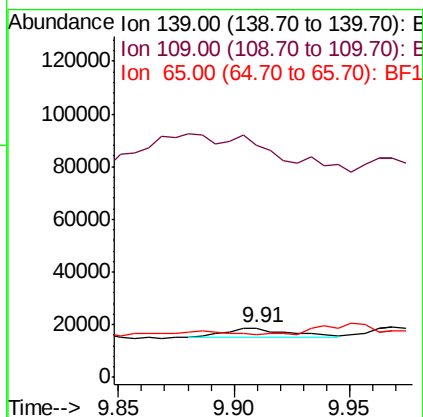
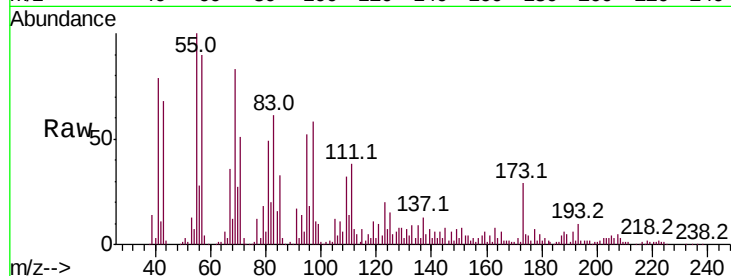




#56
4-Nitrophenol
Concen: 2.549 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

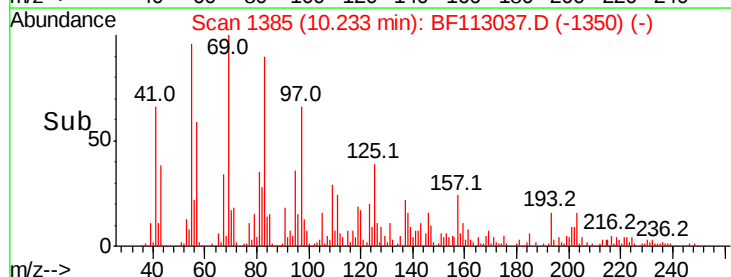
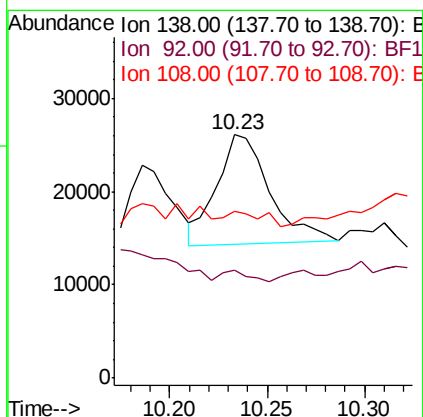
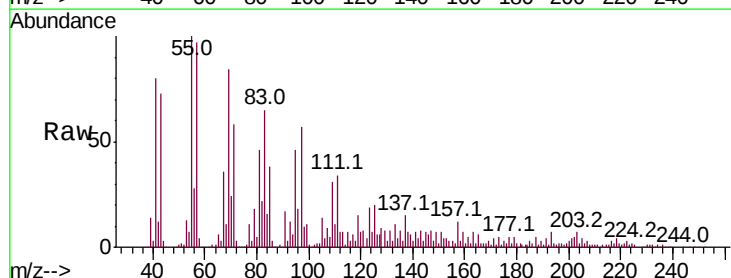
Instrument :
BNA_F
ClientSampleId :

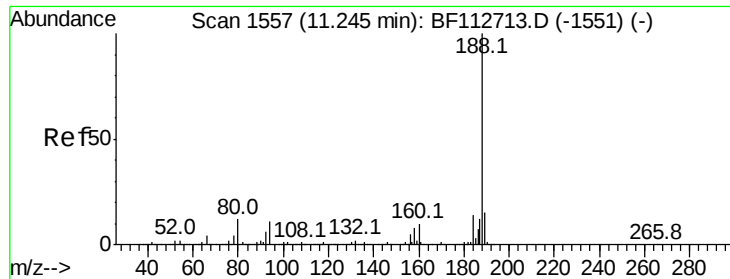
Tot Ion:139 Resp: 7734
Ion Ratio Lower Upper
139 100
109 467.8 46.8 86.8#
65 87.3 80.7 120.7



#62
4-Nitroaniline
Concen: 6.393 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.09 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion:138 Resp: 22058
Ion Ratio Lower Upper
138 100
92 44.2 31.3 71.3
108 68.5 48.1 88.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

Instrument :

BNA_F

ClientSampleId :

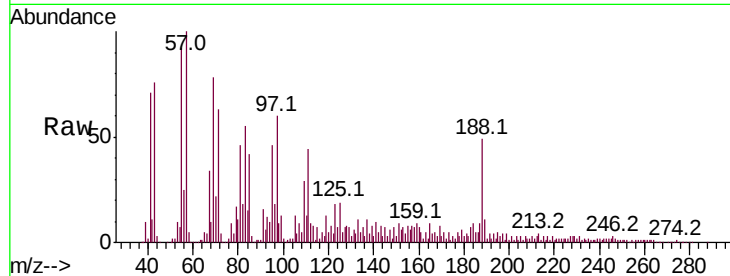
Tot Ion:188 Resp: 301442

Ion Ratio Lower Upper

188 100

94 20.5 9.0 13.4#

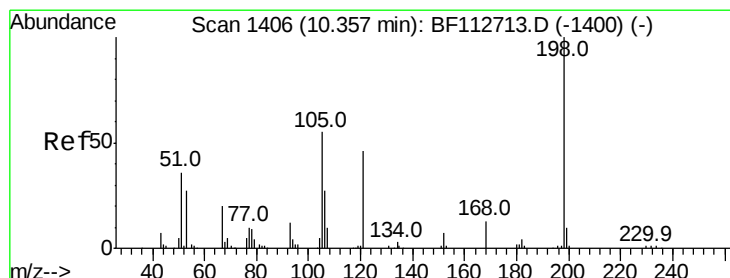
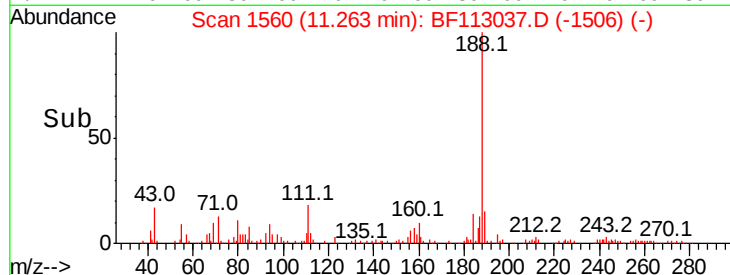
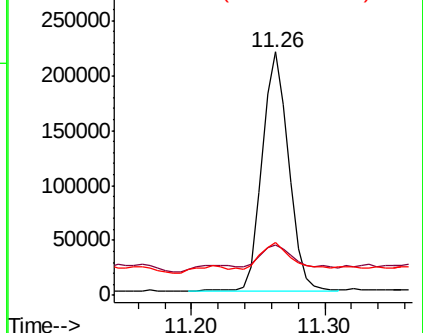
80 21.8 9.2 13.8#



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: 6.517 ng

RT: 10.39 min Scan# 1412

Delta R.T. 0.03 min

Lab File: BF113037.D

Acq: 13 Mar 2019 19:22

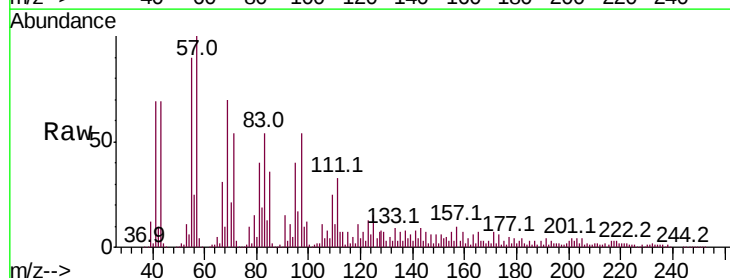
Tgt Ion:198 Resp: 2610

Ion Ratio Lower Upper

198 100

51 300.3 43.8 83.8#

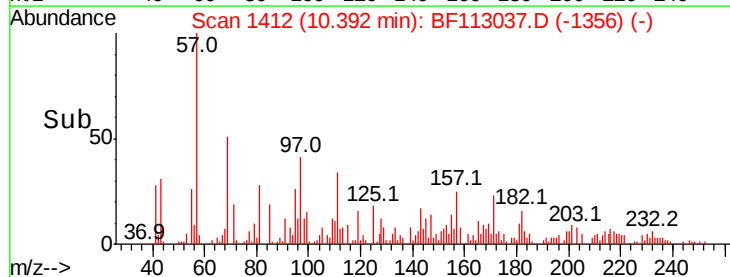
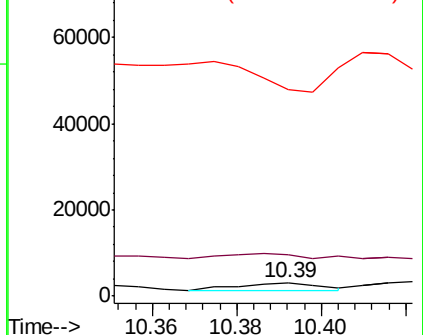
105 1499.6 36.5 76.5#

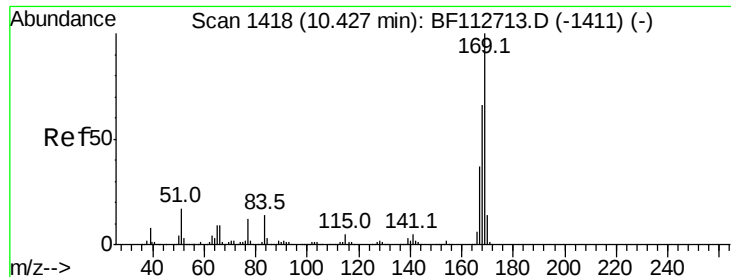


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

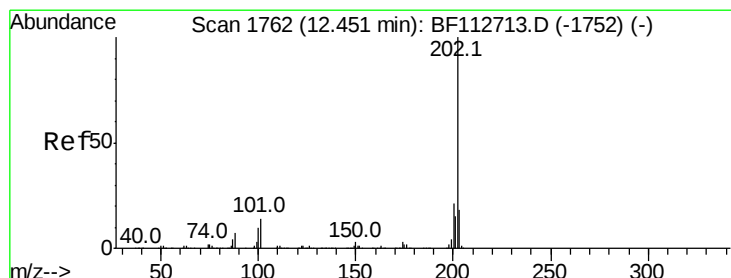
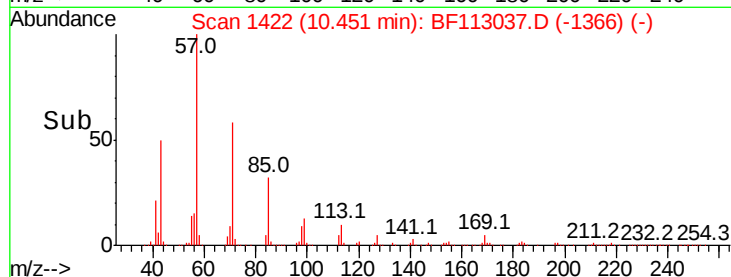
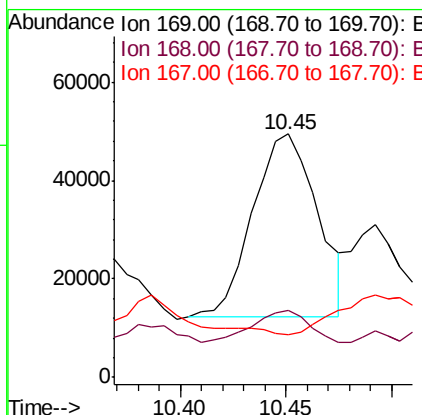
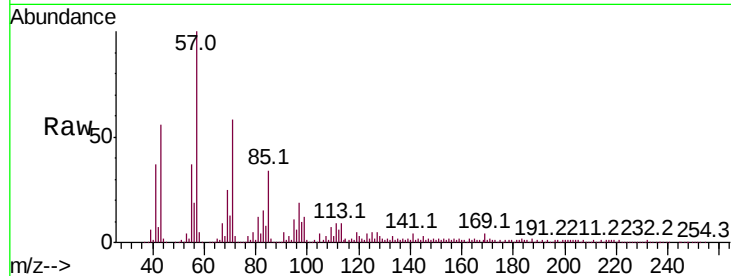




#66
n-Nitrosodiphenylamine
Concen: 8.193 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.03 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

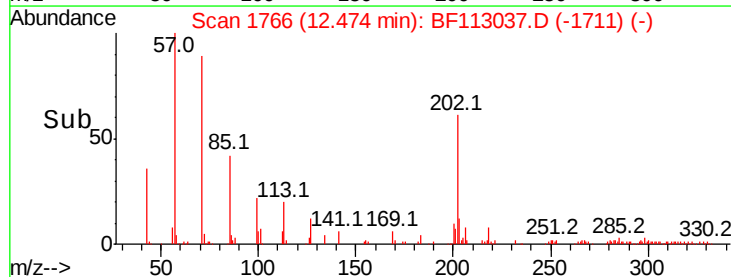
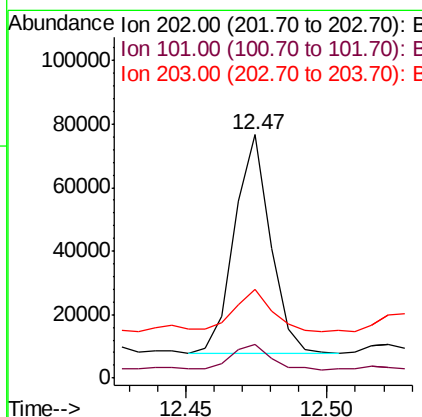
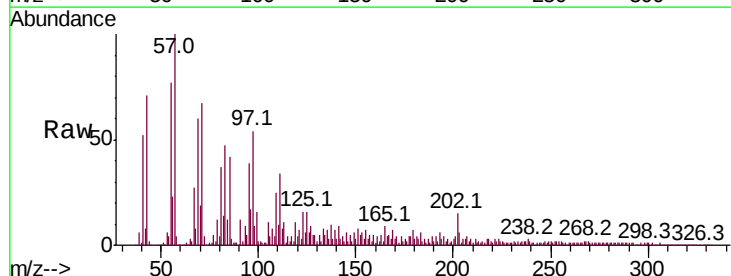
Instrument :
BNA_F
ClientSampleId :

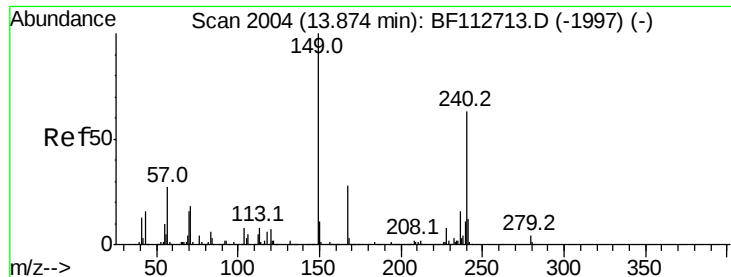
Tot Ion:169 Resp: 79210
Ion Ratio Lower Upper
169 100
168 27.5 53.0 79.6#
167 17.7 29.3 43.9#



#75
Fluoranthene
Concen: 3.803 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.02 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion:202 Resp: 61109
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.8
203 36.4 0.0 38.4

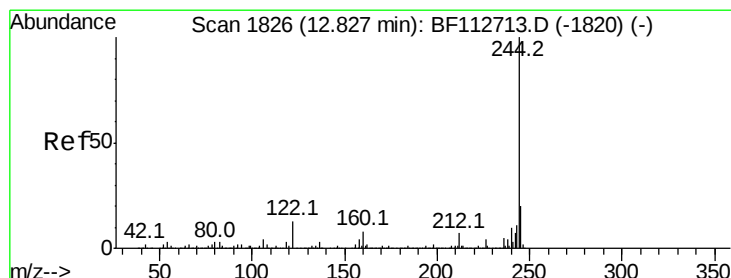
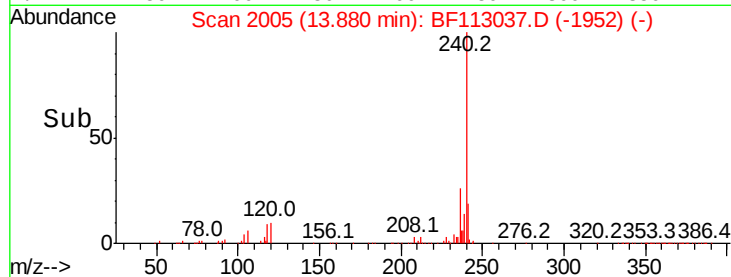
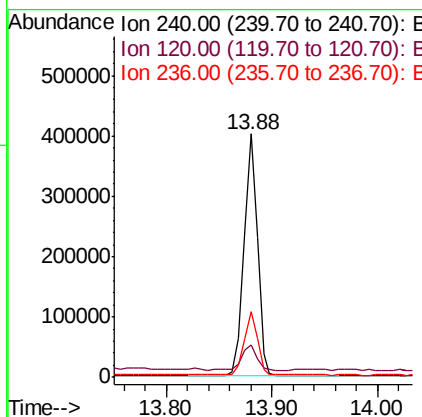
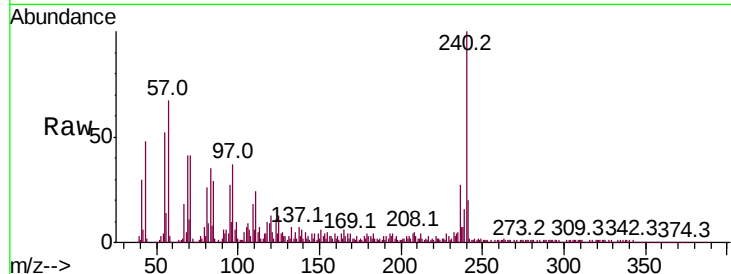




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF113037.D
 Acq: 13 Mar 2019 19:22

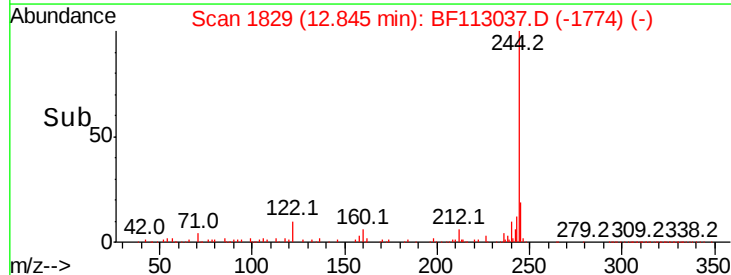
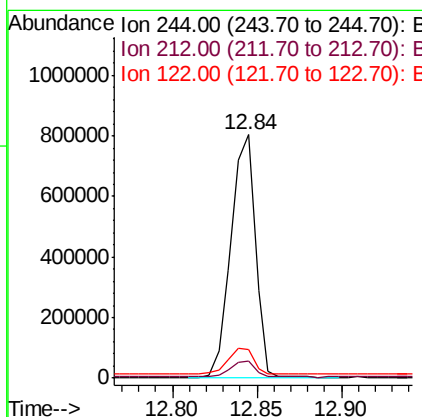
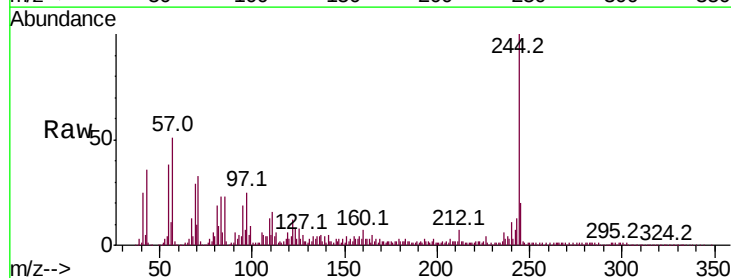
Instrument :
 BNA_F
 ClientSampled :

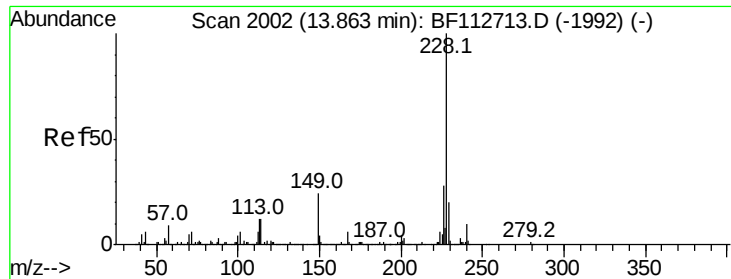
Tot Ion:240 Resp: 351012
 Ion Ratio Lower Upper
 240 100
 120 13.4 8.9 13.3#
 236 26.8 20.7 31.1



#79
 Terphenyl-d14
 Concen: 44.668 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. 0.02 min
 Lab File: BF113037.D
 Acq: 13 Mar 2019 19:22

Tgt Ion:244 Resp: 808814
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.6 10.5 15.7

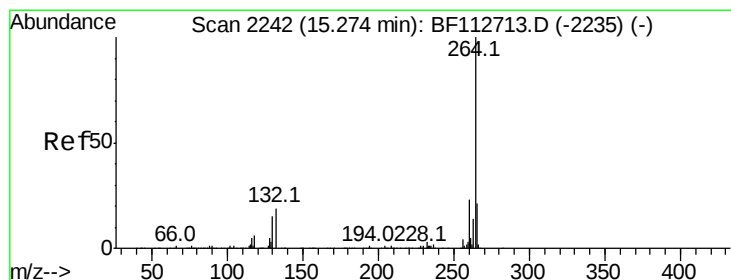
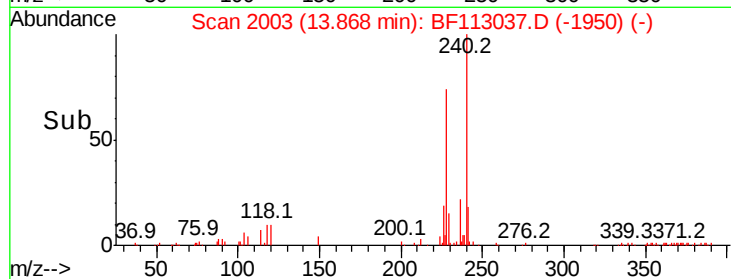
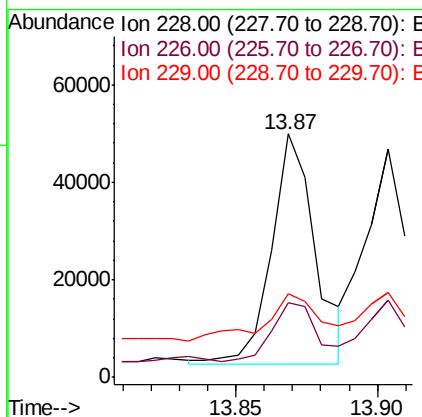
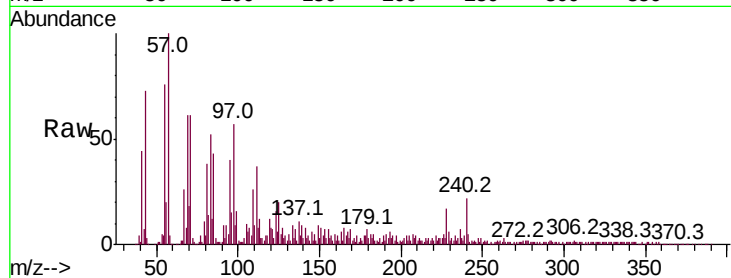




#81
Benzo(a)anthracene
Concen: 2.076 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

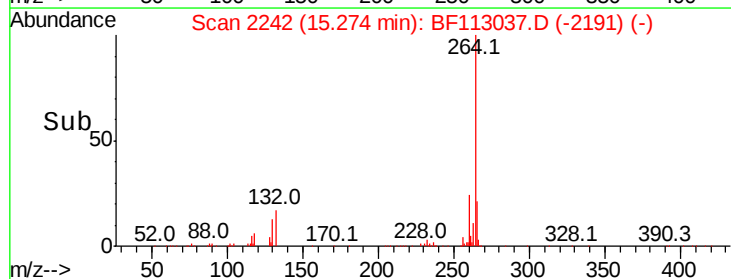
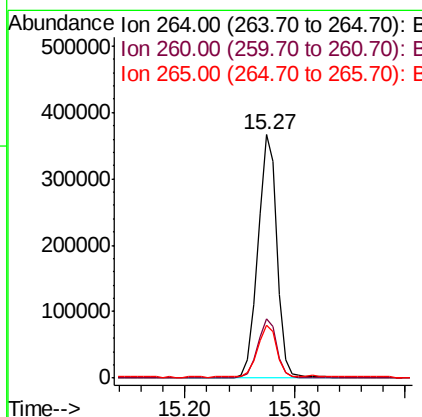
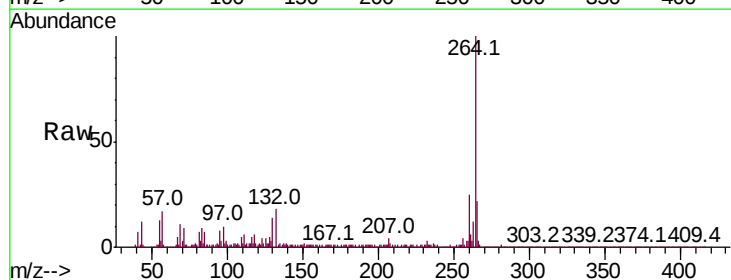
Instrument :
BNA_F
ClientSampleId :

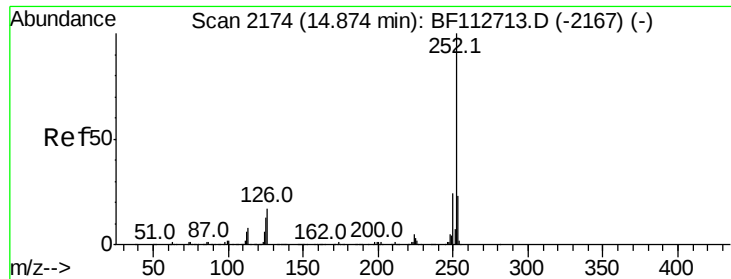
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.4
229	34.6	16.0	24.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.7	17.2	25.8

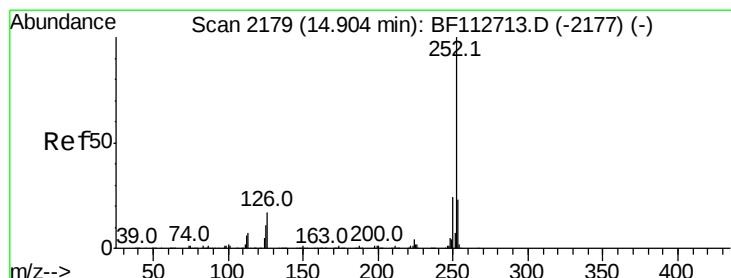
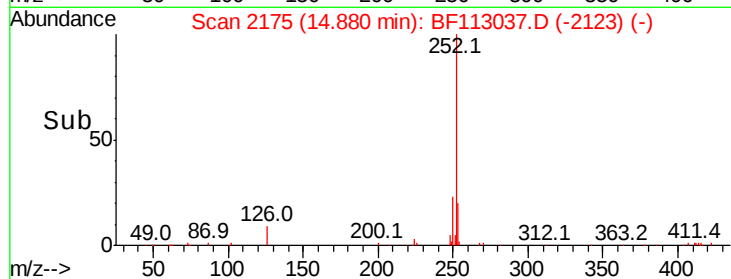
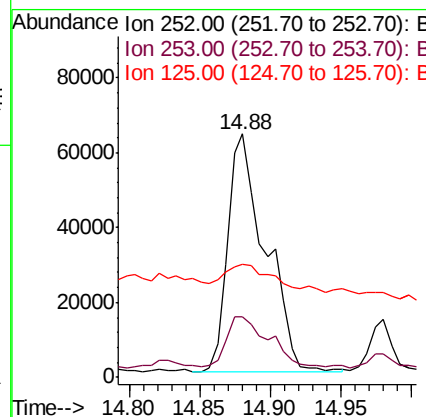
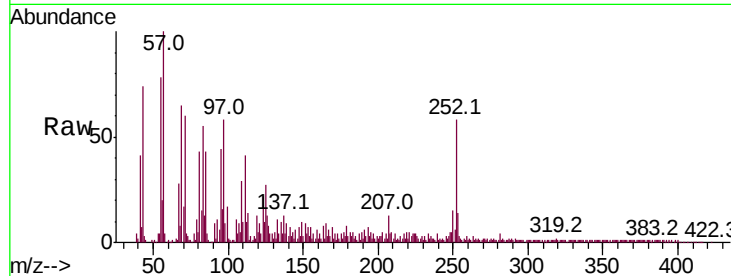




#88
Benzo(b)fluoranthene
Concen: 4.144 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

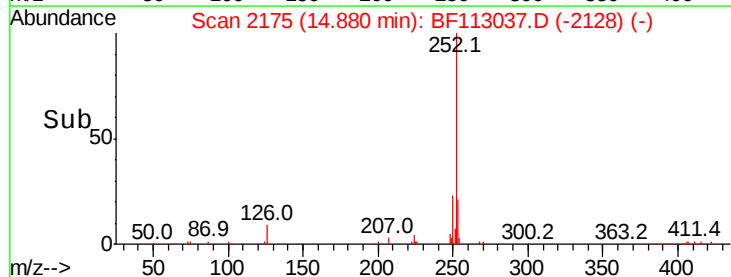
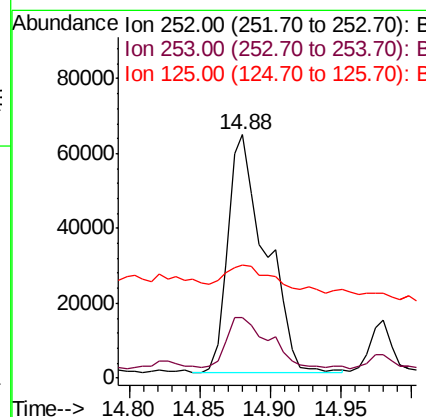
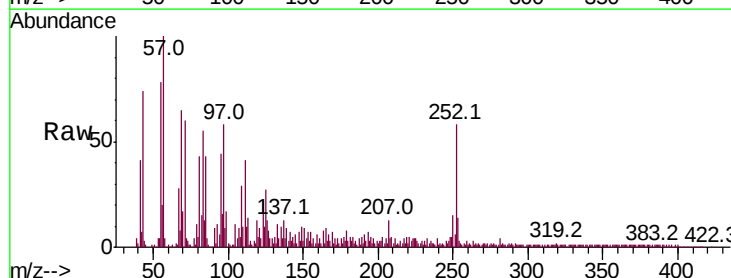
Instrument :
BNA_F
ClientSampleId :

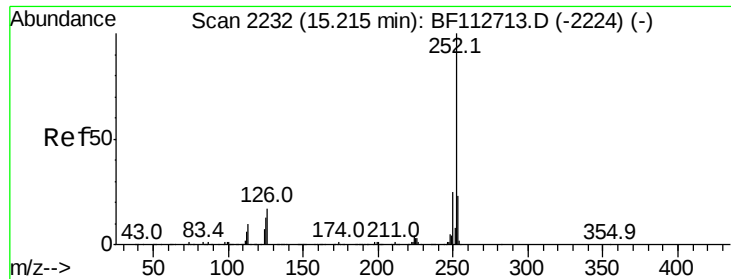
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	46.4	10.2	15.2#



#89
Benzo(k)fluoranthene
Concen: 4.575 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	46.4	9.8	14.6#

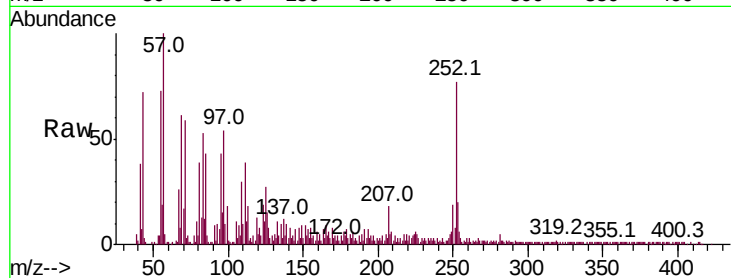




#90
Benzo(a)pyrene
Concen: 2.530 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.0	27.0
125	35.5	10.7	16.1#

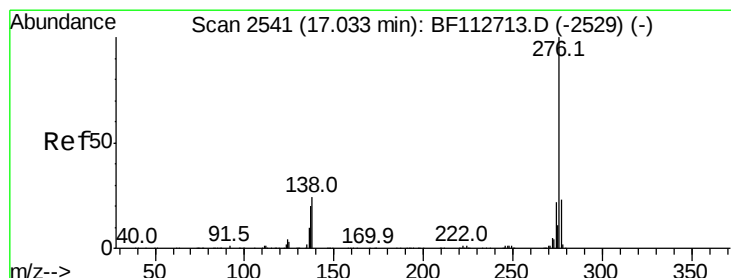
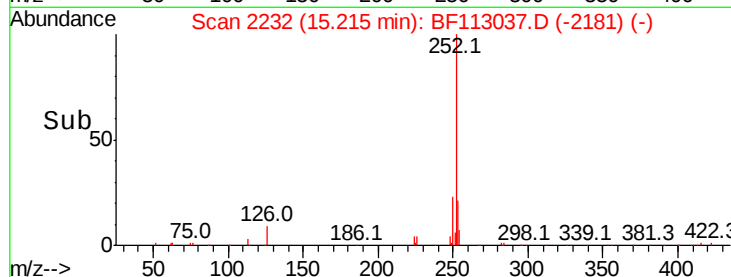
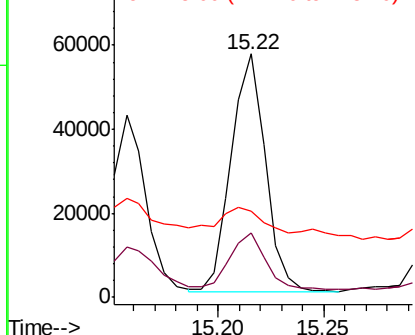


Abundance

Ion 252.00 (251.70 to 252.70): E

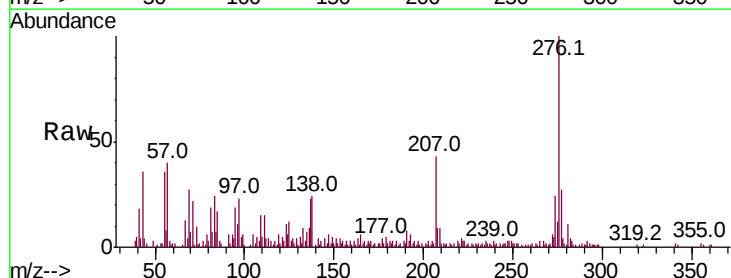
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.825 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF113037.D
Acq: 13 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.6	27.8
138	23.8	19.4	29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

