

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103837.D
 Acq On : 21 Mar 2018 11:25
 Operator : JU/SJ
 Sample : J1960-01DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 11:59:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

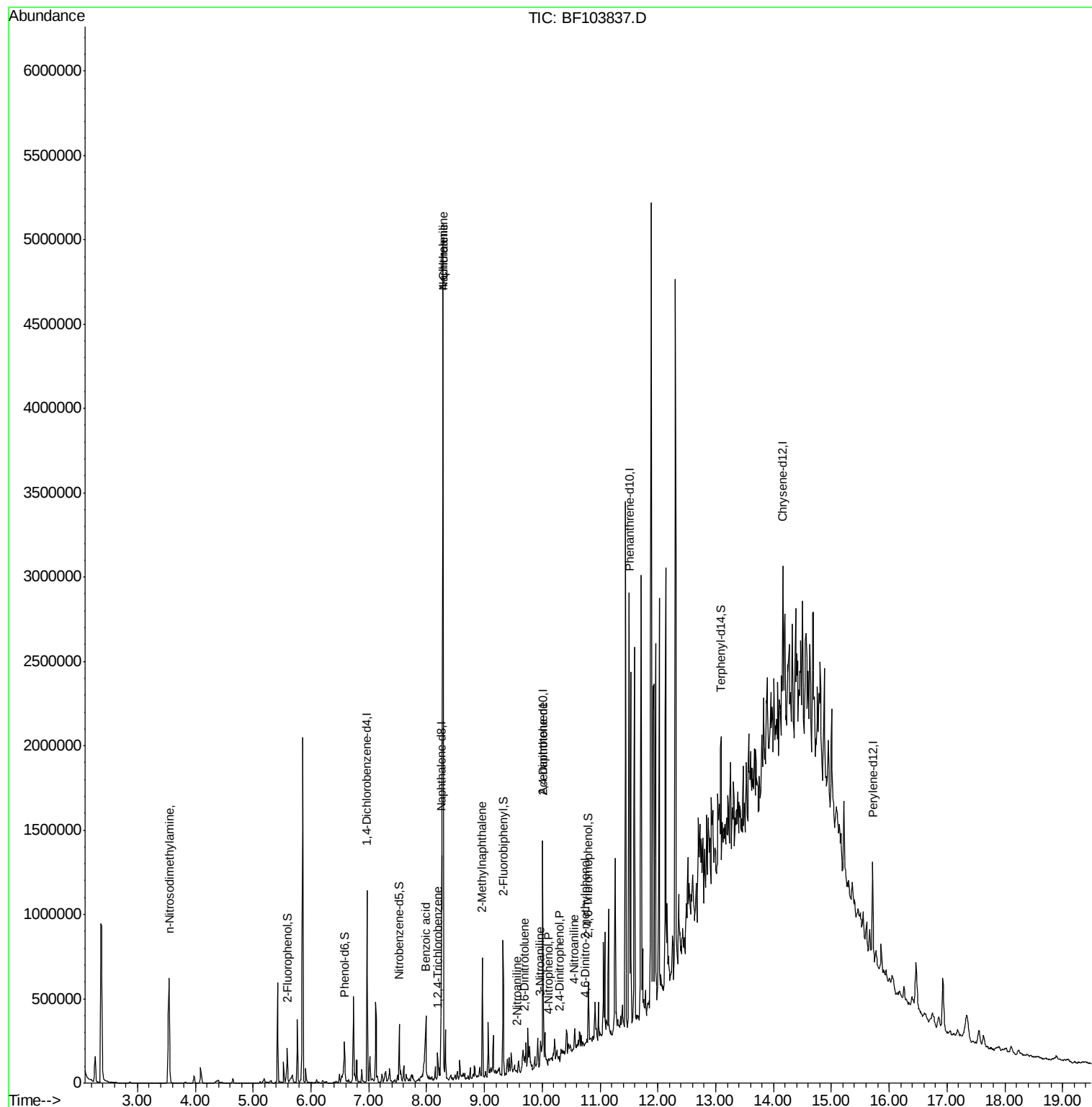
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	156280	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	624948	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	274581	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	376853	20.00	ng	0.01
75) Chrysene-d12	14.16	240	248572	20.00	ng	0.01
86) Perylene-d12	15.72	264	256244	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	68152	6.63	ng	0.00
7) Phenol-d6	6.57	99	53431	4.25	ng	-0.01
23) Nitrobenzene-d5	7.53	82	107187	11.96	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	38934	16.49	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	220525	12.81	ng	0.00
78) Terphenyl-d14	13.09	244	148255	13.84	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.55	42	23634	4.606	ng	# 1
30) 1,2,4-Trichlorobenzene	8.19	180	25829	2.754	ng	98
31) Naphthalene	8.28	128	2735007	86.636	ng	98
32) Benzoic acid	7.98	122	62264	17.785	ng	98
33) 4-Chloroaniline	8.28	127	380582	28.736	ng	# 32
37) 2-Methylnaphthalene	8.96	142	180225	9.002	ng	99
47) 2-Nitroaniline	9.56	65	198	6.850	ng	# 8
50) 2,6-Dinitrotoluene	9.70	165	2092	4.457	ng	# 68
52) 3-Nitroaniline	9.96	138	1418	4.083	ng	# 1
53) 2,4-Dinitrophenol	10.29	184	220	6.699	ng	# 1
55) 4-Nitrophenol	10.12	139	723	5.147	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	38279	12.704	ng	# 23
61) 4-Nitroaniline	10.56	138	874	3.922	ng	83
64) 4,6-Dinitro-2-methylphenol	10.75	198	271	8.332	ng	# 1

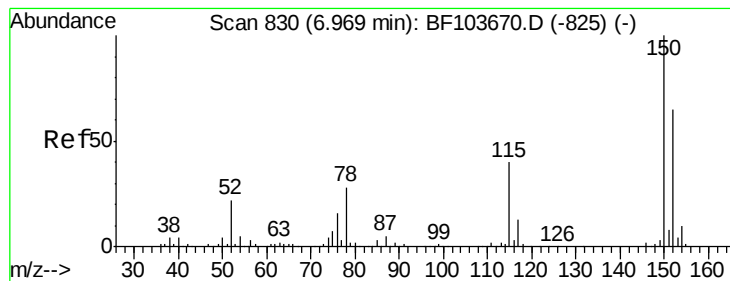
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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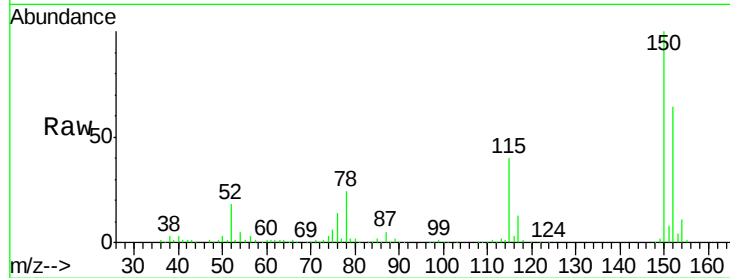


#1

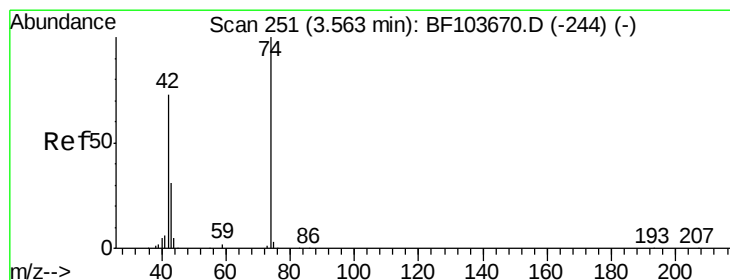
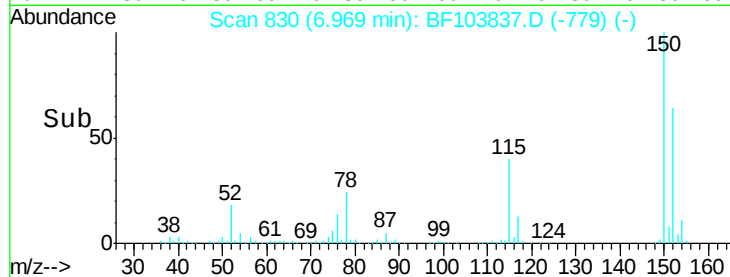
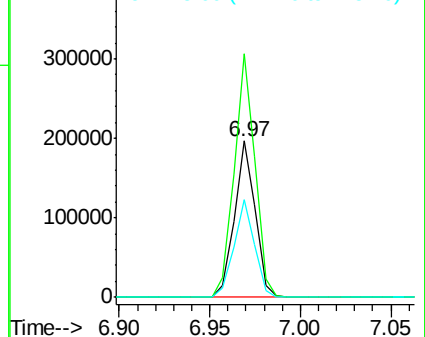
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 156280
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 62.6 50.1 75.1



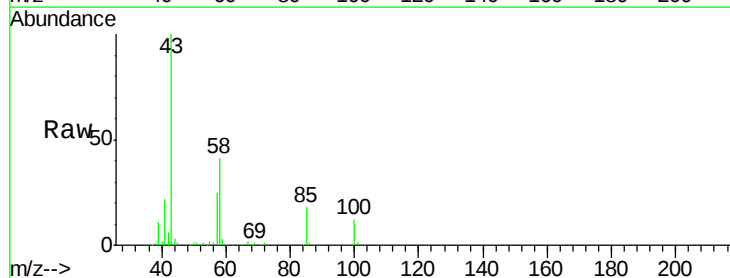
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



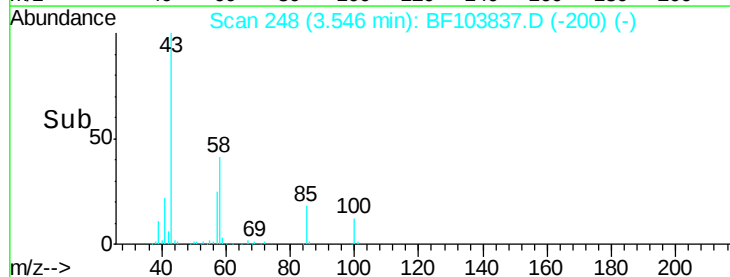
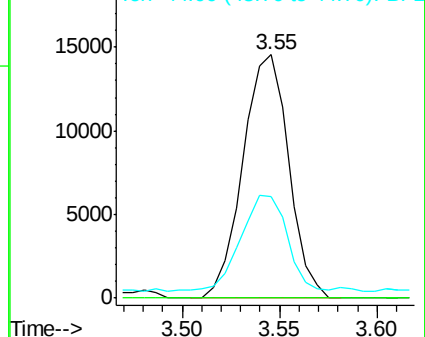
#4

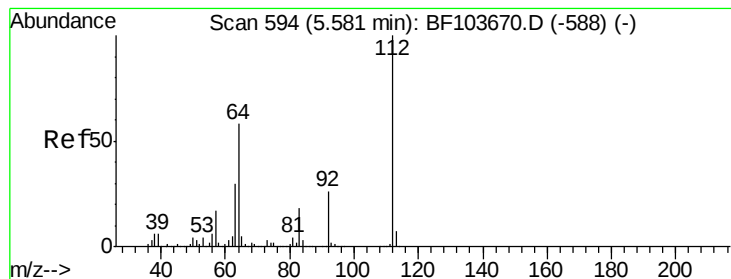
n-Nitrosodimethylamine
Concen: 4.606 ng
RT: 3.55 min Scan# 248
Delta R.T. -0.02 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Tgt Ion: 42 Resp: 23634
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 41.5 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 6.633 ng

RT: 5.59 min Scan# 595

Delta R.T. 0.01 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Instrument :

BNA_F

ClientSampleId :

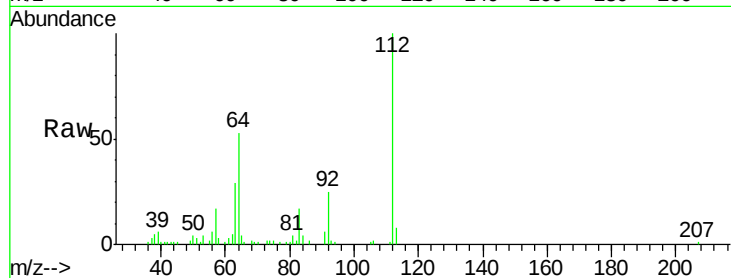
Tot Ion:112 Resp: 68152

Ion Ratio Lower Upper

112 100

64 53.4 47.9 71.9

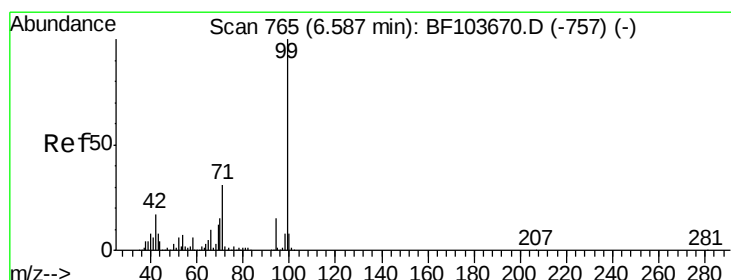
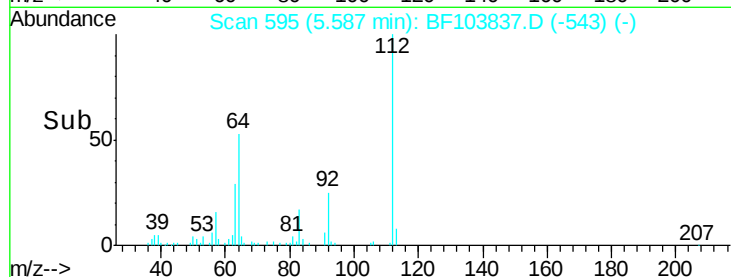
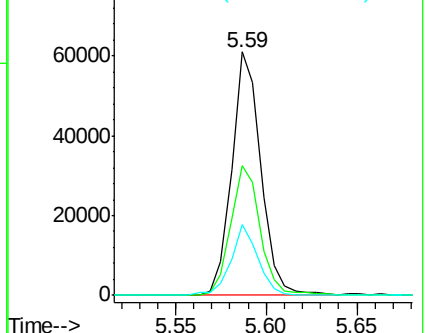
63 28.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 4.250 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

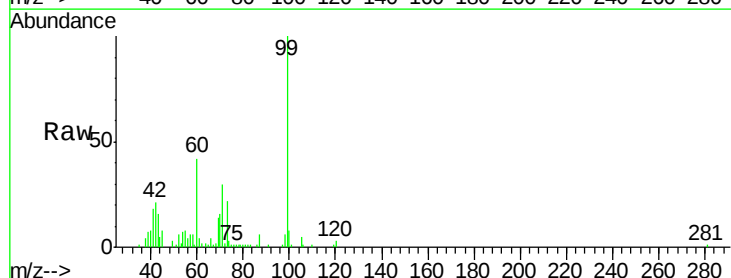
Tgt Ion: 99 Resp: 53431

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

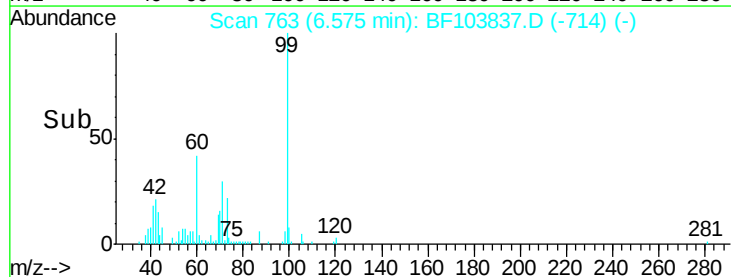
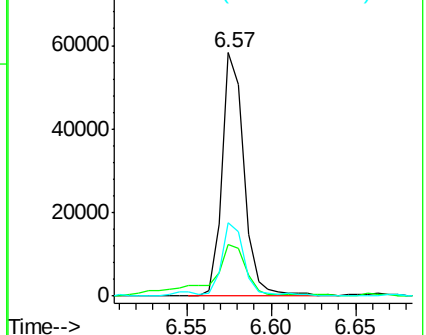
71 30.0 25.4 38.0

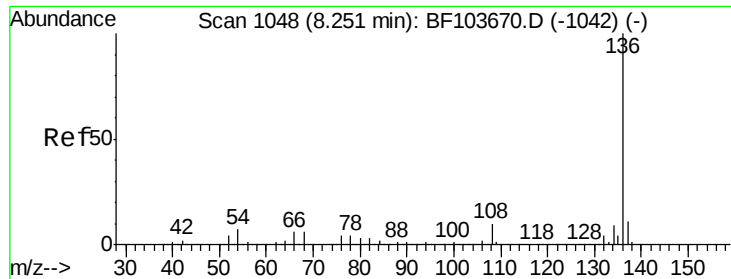


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

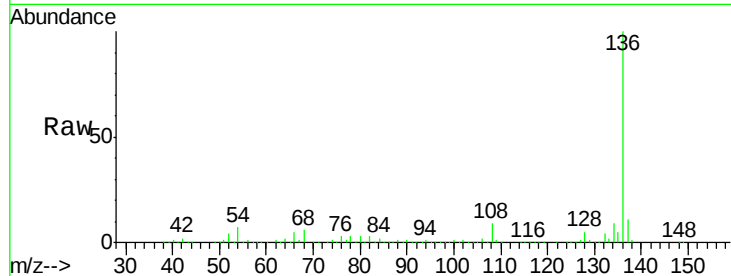




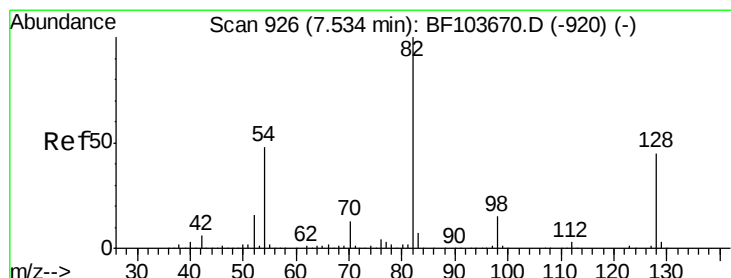
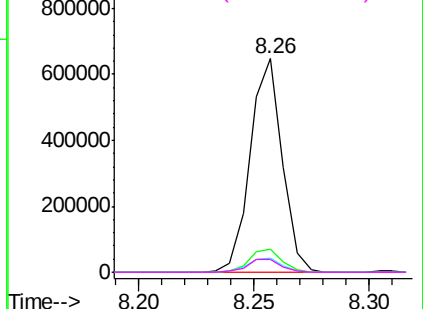
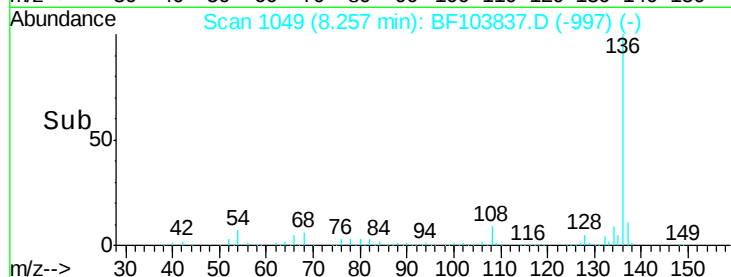
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	624948
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.6	6.6 9.8
68	6.3	5.0 7.4

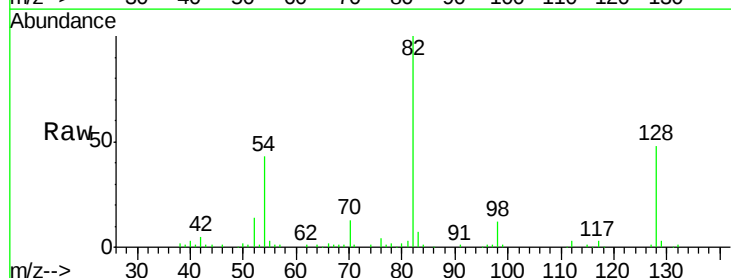


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

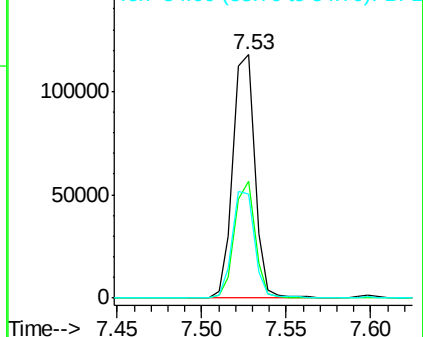
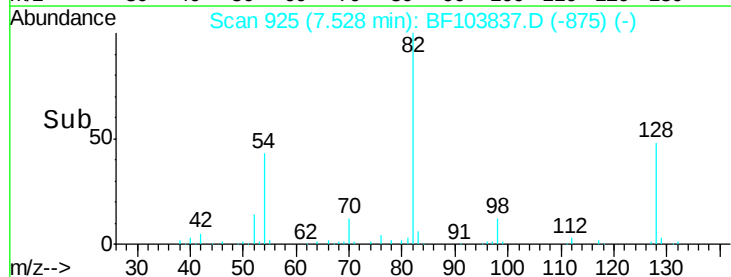


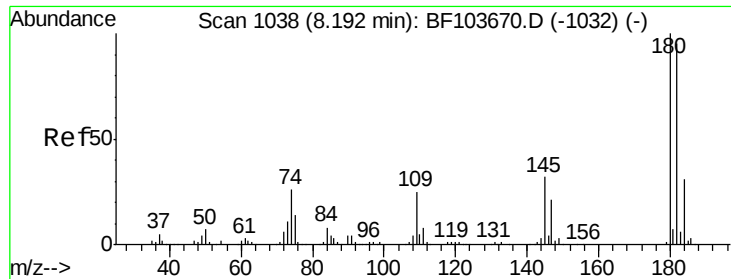
#23
Nitrobenzene-d5
Concen: 11.961 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Tgt Ion: 82	Resp:	107187
Ion Ratio	Lower	Upper
82	100	
128	47.9	36.1 54.1
54	42.6	41.4 62.2



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

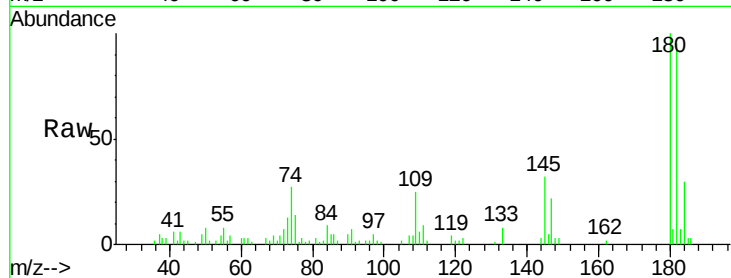




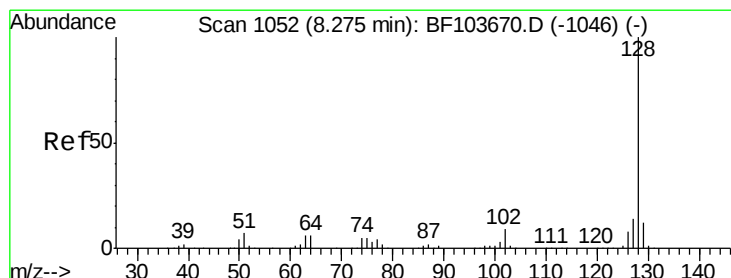
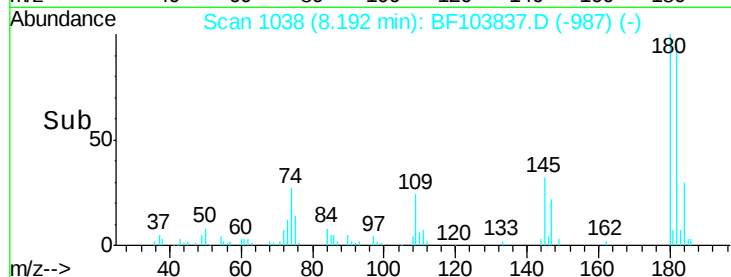
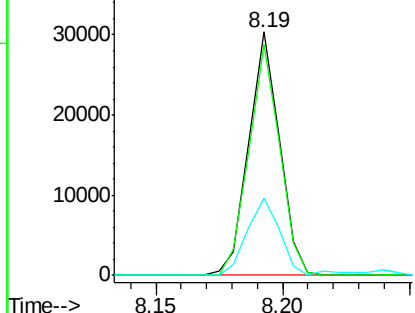
#30
 1,2,4-Trichlorobenzene
 Concen: 2.754 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 25829
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.8 115.2
 145 31.8 26.5 39.7

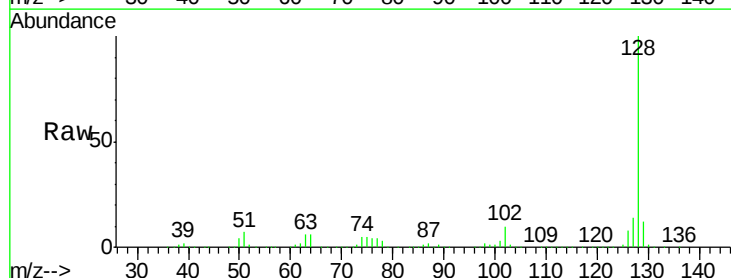


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

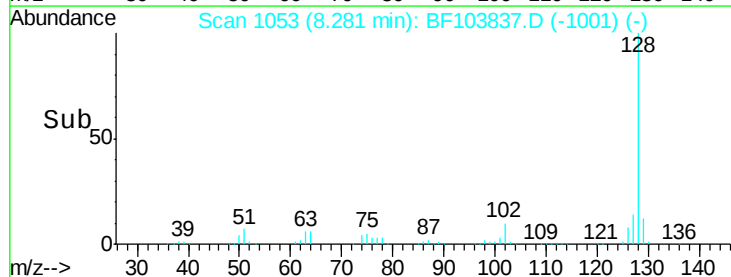
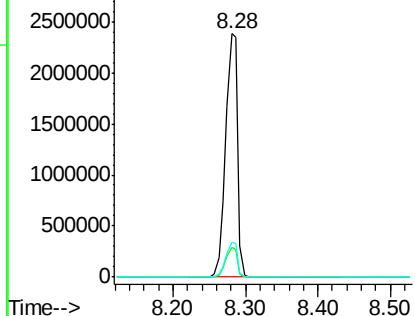


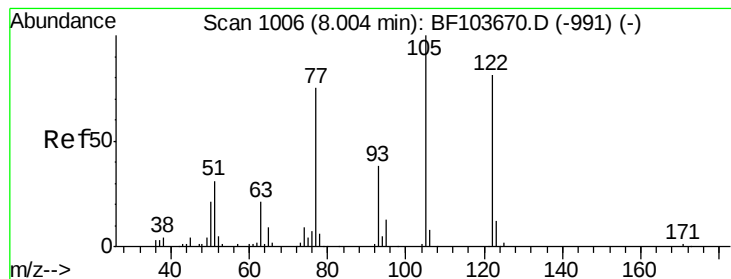
#31
 Naphthalene
 Concen: 86.636 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Tgt Ion:128 Resp: 2735007
 Ion Ratio Lower Upper
 128 100
 129 12.2 8.8 13.2
 127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 17.785 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Instrument :

BNA_F

ClientSampled :

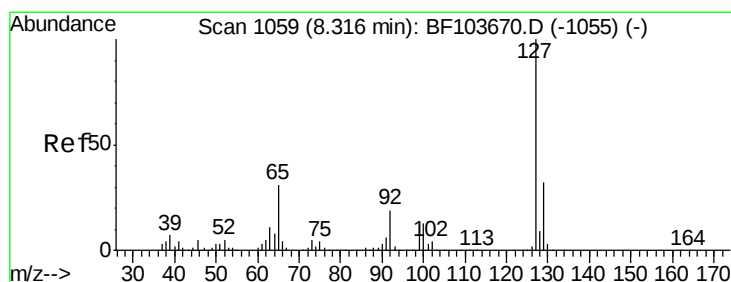
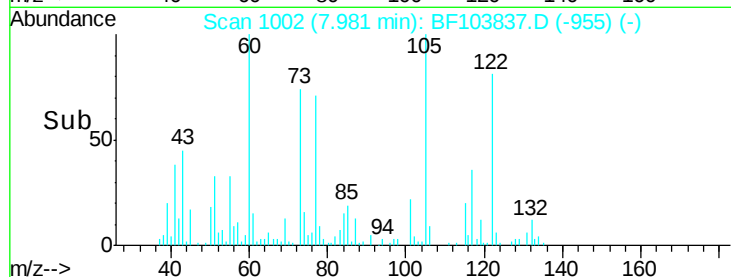
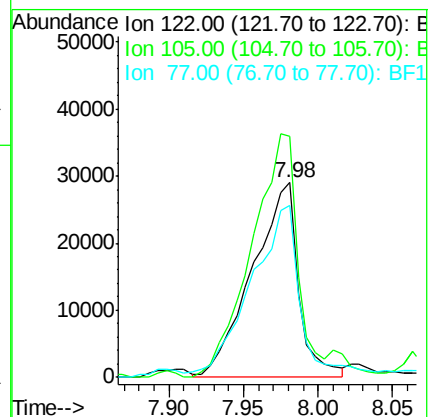
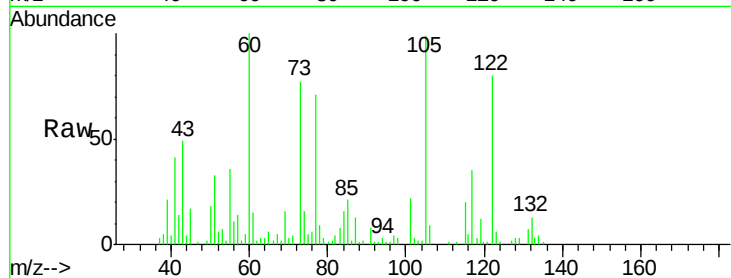
Tot Ion:122 Resp: 62264

Ion Ratio Lower Upper

122 100

105 123.8 101.1 141.1

77 88.3 70.7 110.7



#33

4-Chloroaniline

Concen: 28.736 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.04 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Tgt Ion:127 Resp: 380582

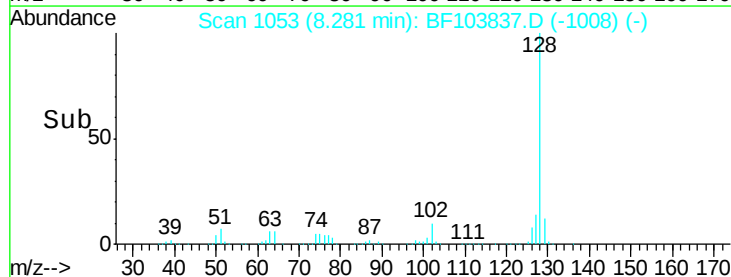
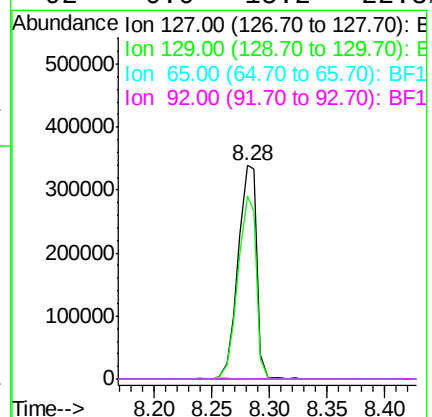
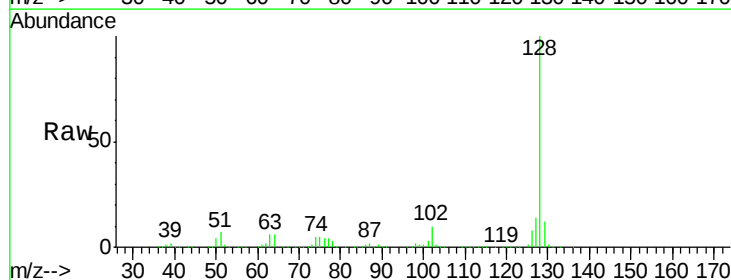
Ion Ratio Lower Upper

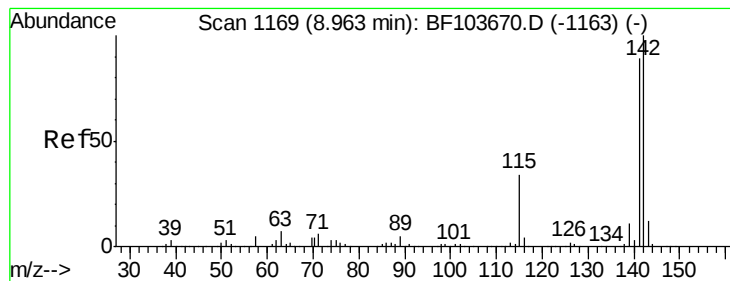
127 100

129 85.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 9.002 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Instrument :

BNA_F

ClientSampleId :

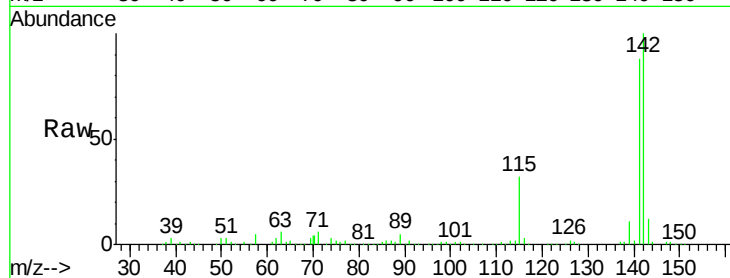
Tot Ion:142 Resp: 180225

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2

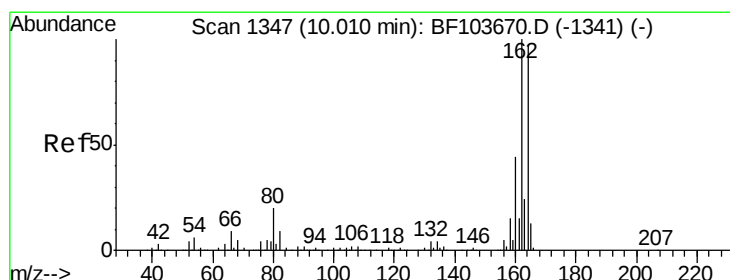
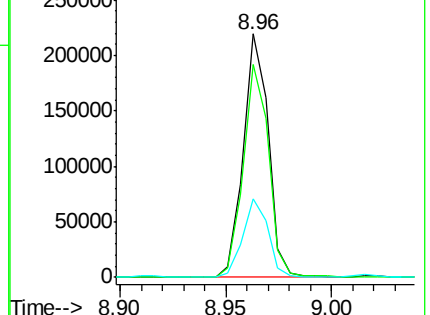
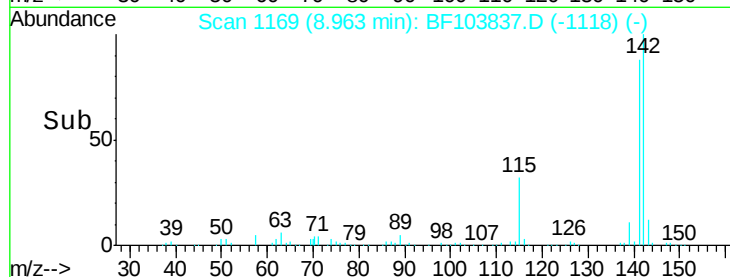
115 32.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

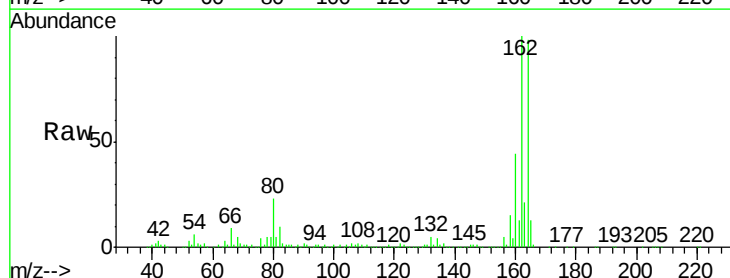
Tgt Ion:164 Resp: 274581

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

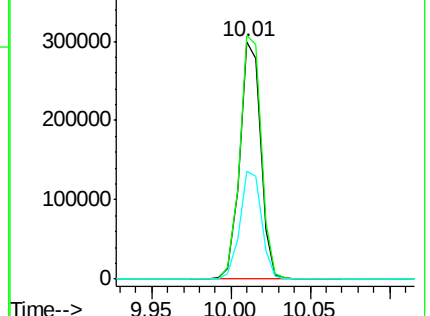
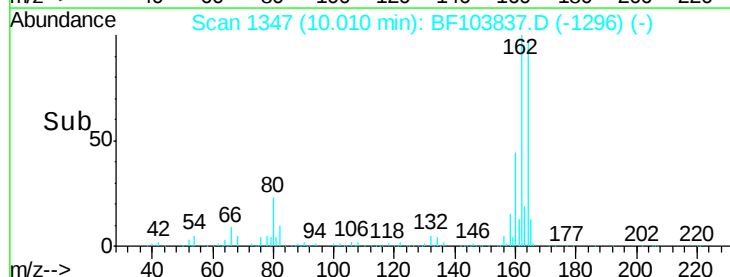
160 45.3 38.3 57.5

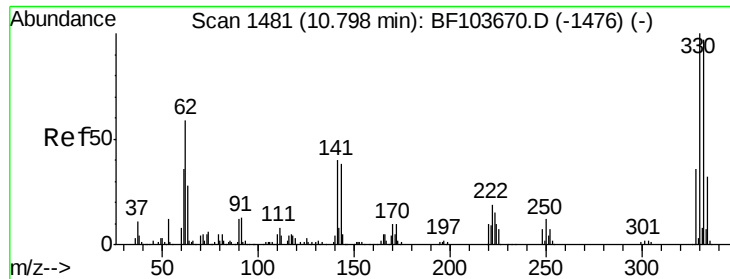


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

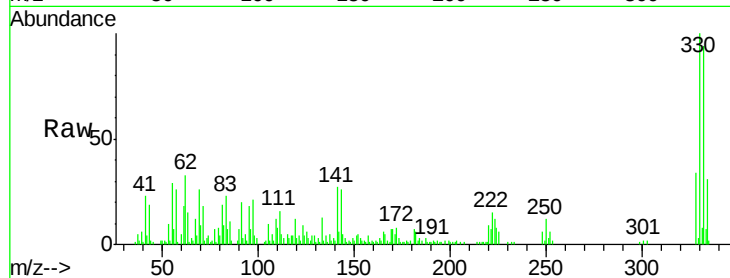




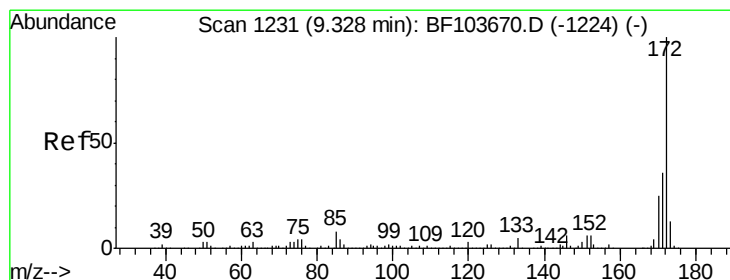
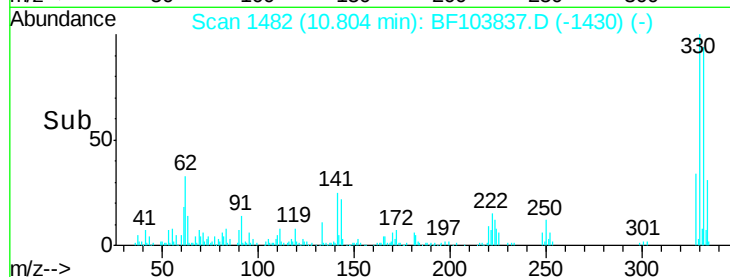
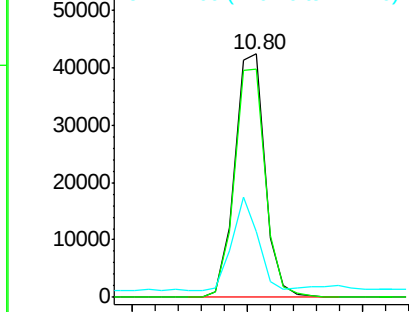
#41
 2,4,6-Tribromophenol
 Concen: 16.491 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 38934
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 33.3 29.9 44.9

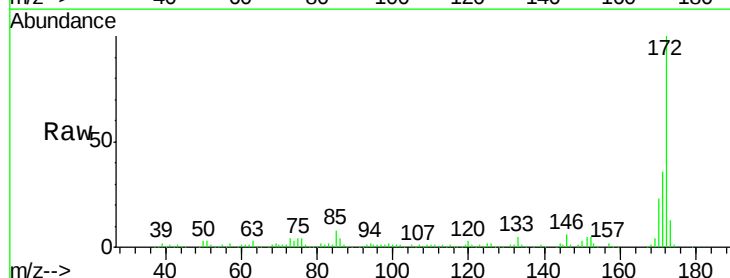


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

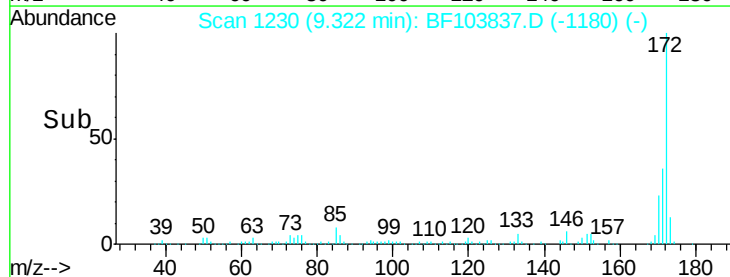
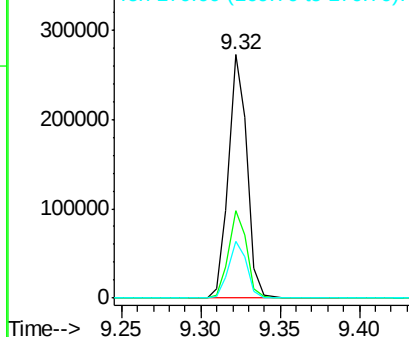


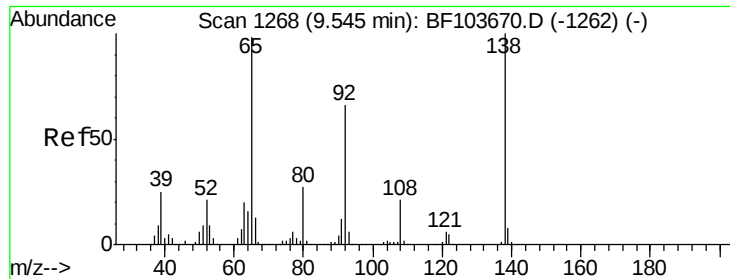
#44
 2-Fluorobiphenyl
 Concen: 12.811 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Tgt Ion:172 Resp: 220525
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.1 19.6 29.4



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

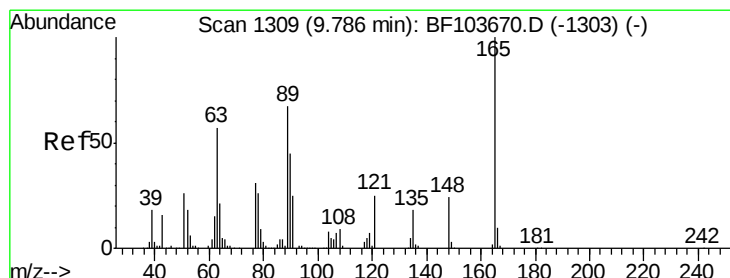
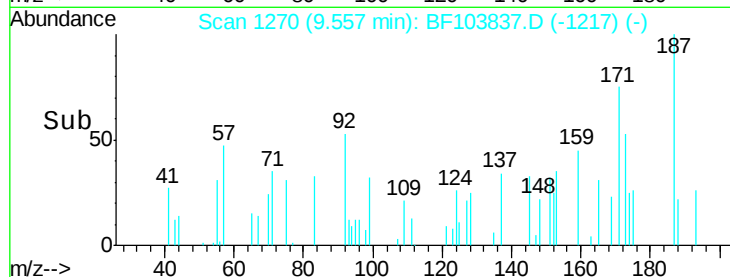
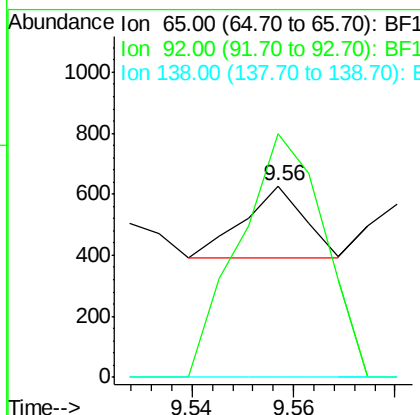
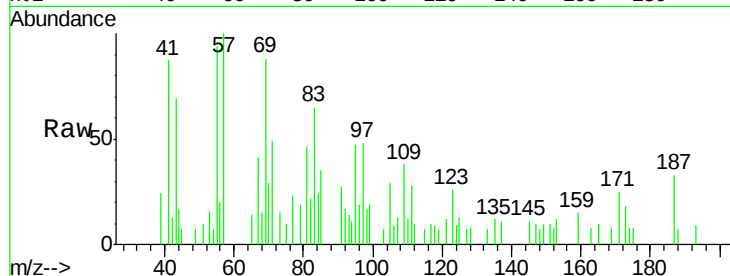




#47
2-Nitroaniline
Concen: 6.850 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

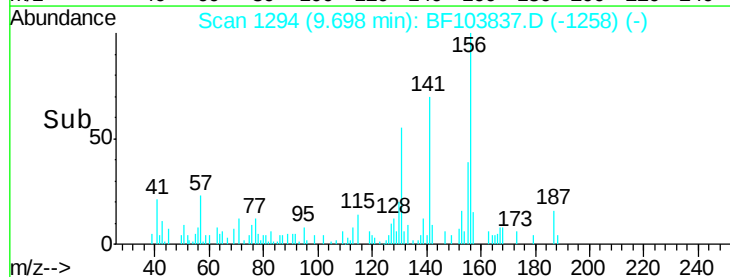
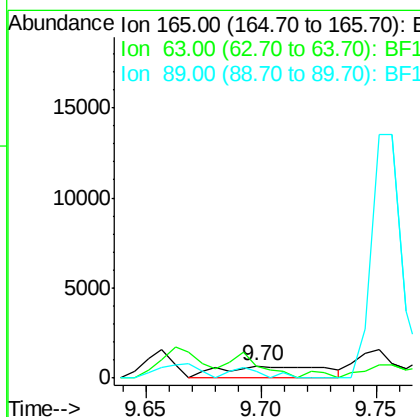
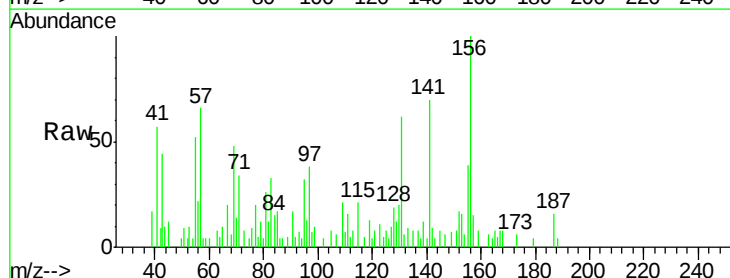
Instrument :
BNA_F
ClientSampleId :

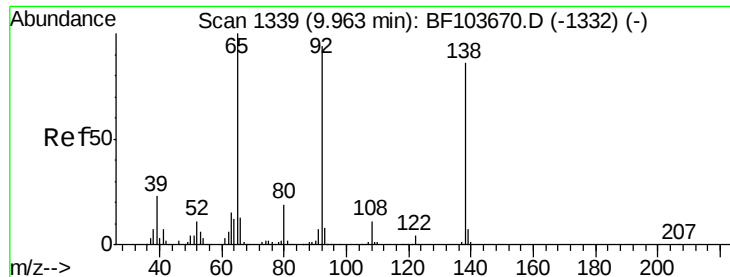
Tot Ion: 65 Resp: 198
Ion Ratio Lower Upper
65 100
92 127.1 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 4.457 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.09 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Tgt Ion:165 Resp: 2092
Ion Ratio Lower Upper
165 100
63 99.0 44.7 67.1#
89 58.8 44.0 66.0





#52

3-Nitroaniline

Concen: 4.083 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Instrument :

BNA_F

ClientSampleId :

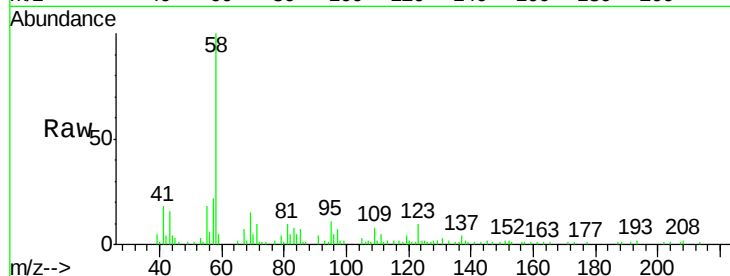
Tot Ion:138 Resp: 1418

Ion Ratio Lower Upper

138 100

108 69.4 9.4 14.0#

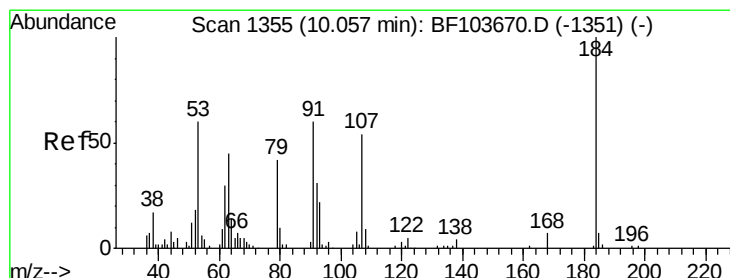
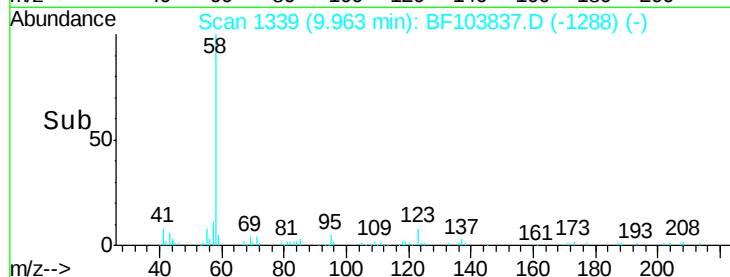
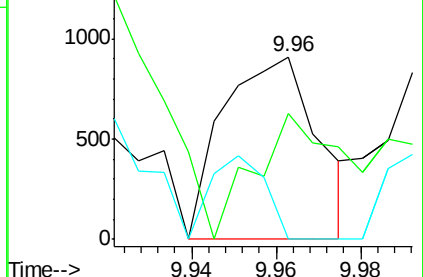
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 6.699 ng

RT: 10.29 min Scan# 1395

Delta R.T. 0.24 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

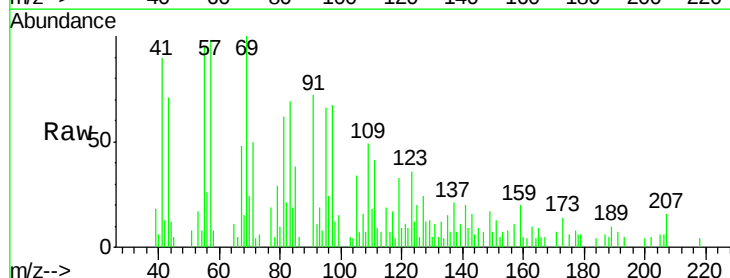
Tgt Ion:184 Resp: 220

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

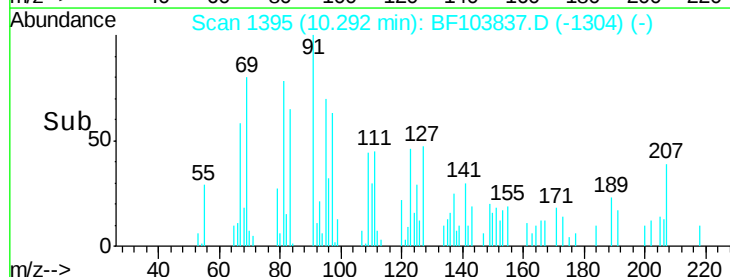
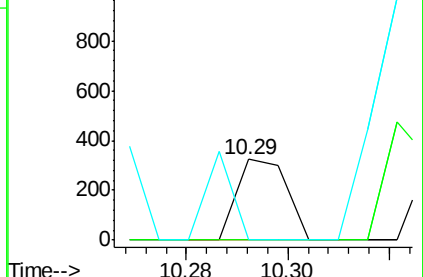
154 0.0 184.0 276.0#

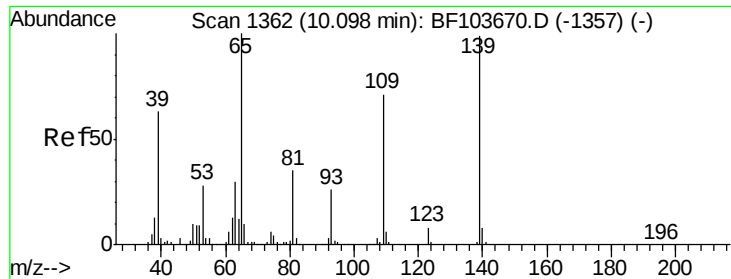


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

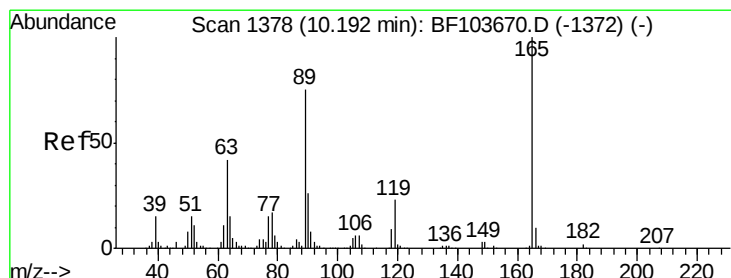
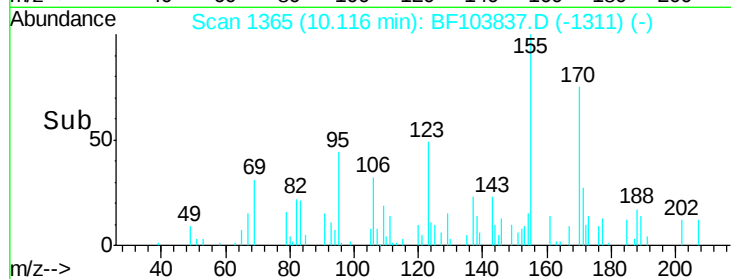
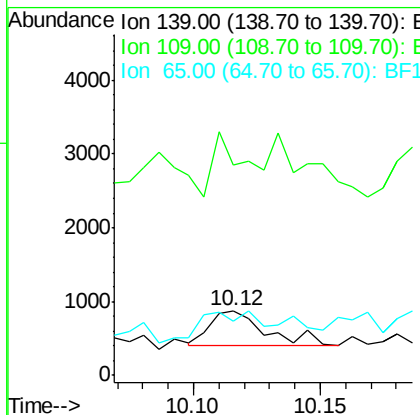
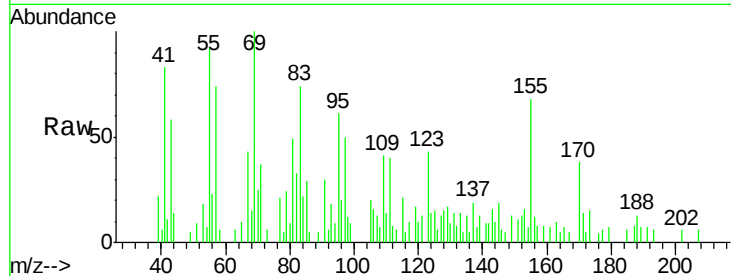




#55
4-Nitrophenol
Concen: 5.147 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.02 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

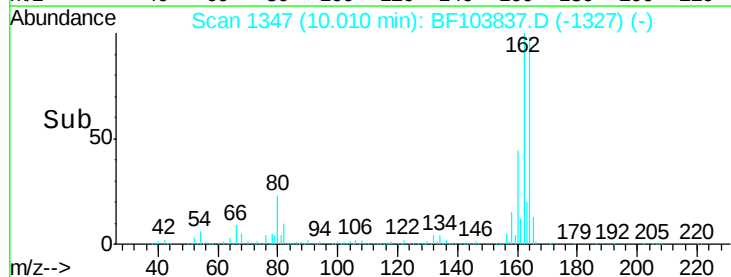
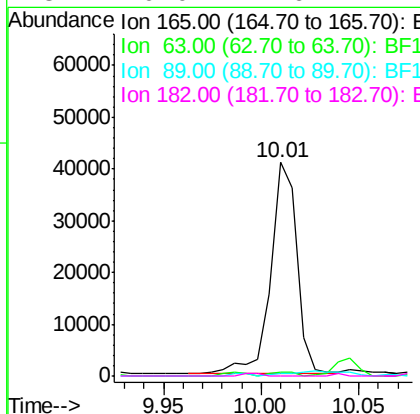
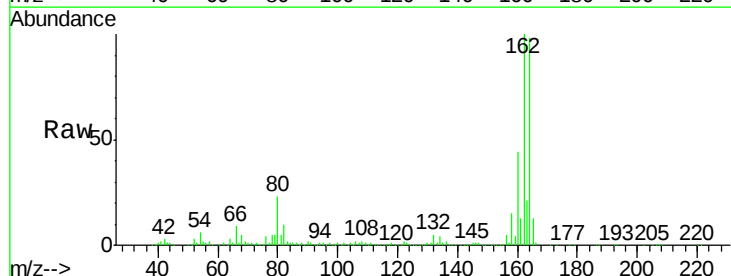
Instrument :
BNA_F
ClientSampleId :

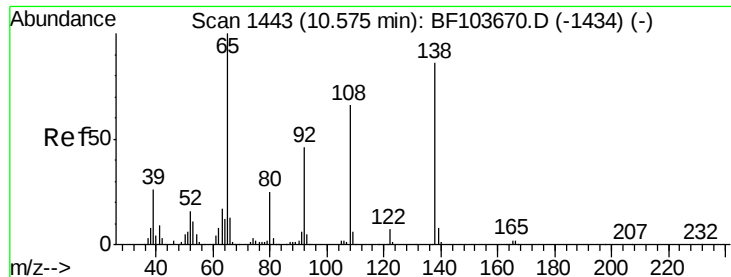
Tot Ion:139 Resp: 723
Ion Ratio Lower Upper
139 100
109 327.3 48.4 88.4#
65 83.2 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 12.704 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Tgt Ion:165 Resp: 38279
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

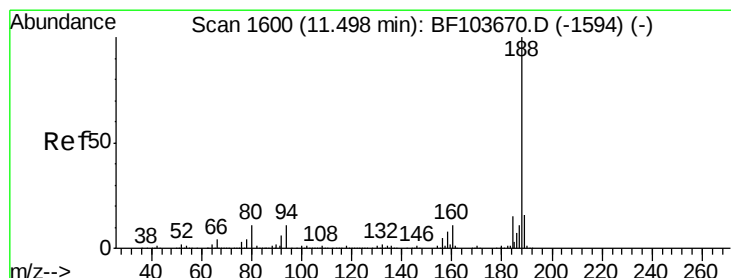
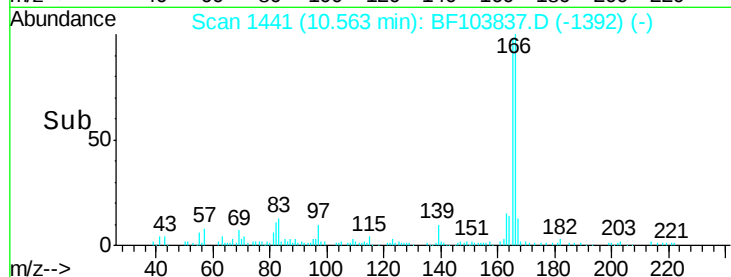
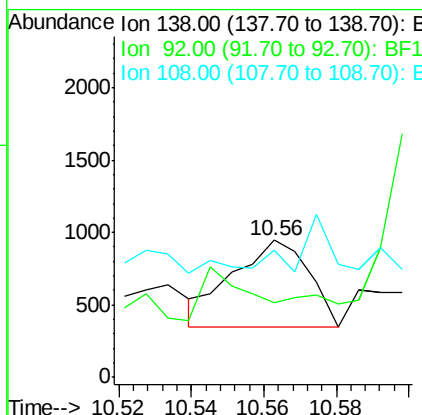
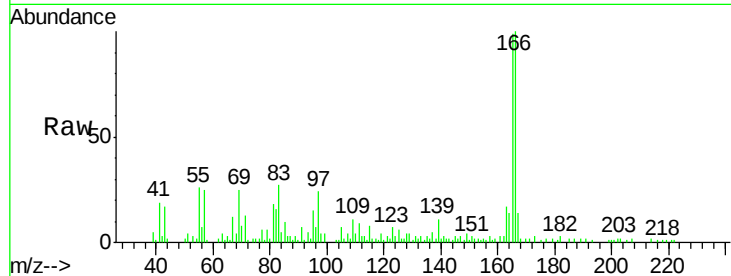




#61
4-Nitroaniline
Concen: 3.922 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

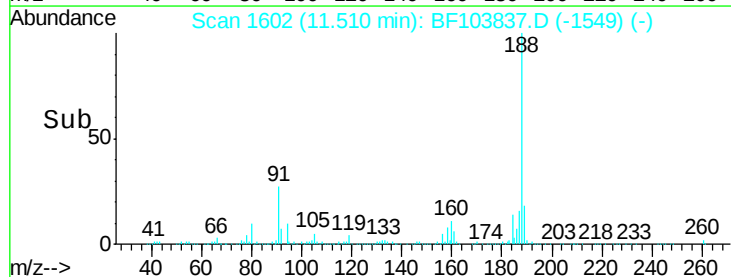
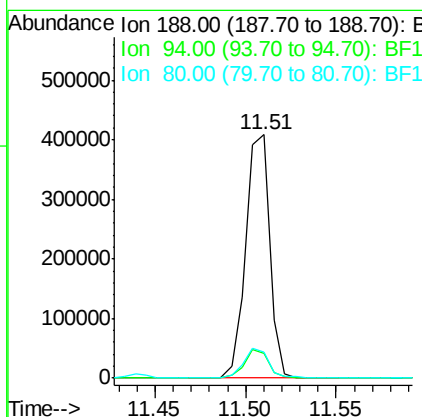
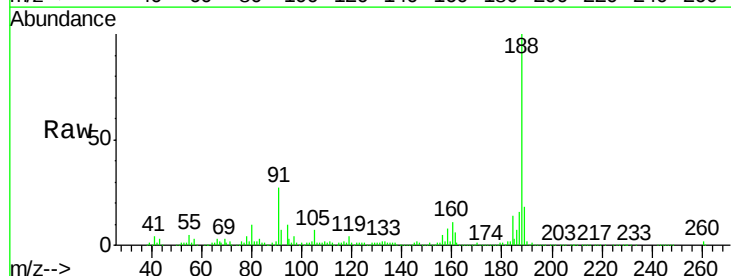
Instrument :
BNA_F
ClientSampled :

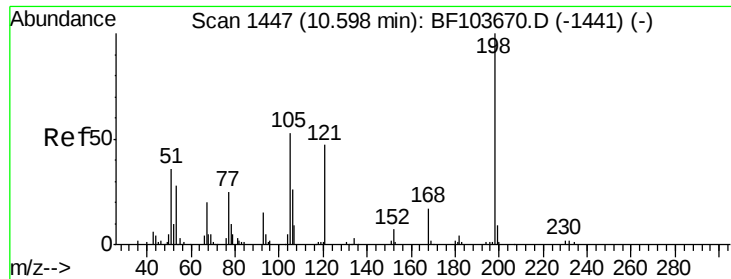
Tot Ion:138 Resp: 874
Ion Ratio Lower Upper
138 100
92 54.6 30.2 70.2
108 92.3 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103837.D
Acq: 21 Mar 2018 11:25

Tgt Ion:188 Resp: 376853
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.5 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.332 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.15 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

Instrument :

BNA_F

ClientSampleId :

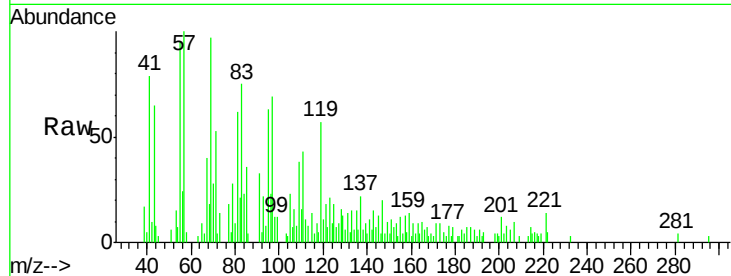
Tot Ion:198 Resp: 271

Ion Ratio Lower Upper

198 100

51 157.4 37.7 77.7#

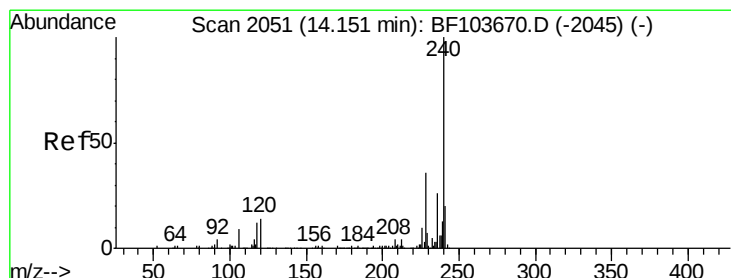
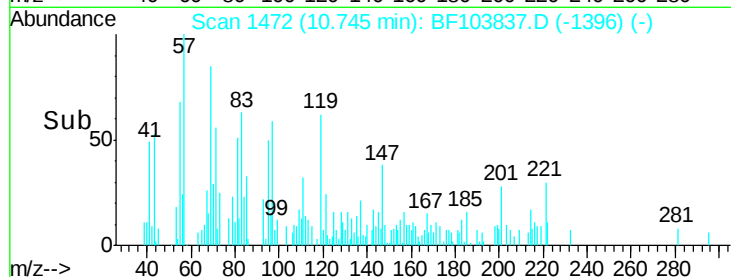
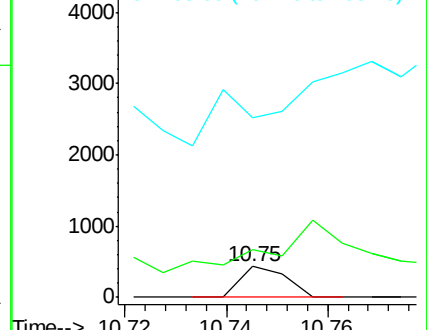
105 587.0 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103837.D

Acq: 21 Mar 2018 11:25

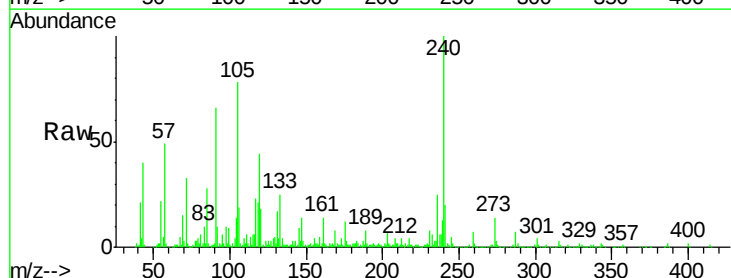
Tgt Ion:240 Resp: 248572

Ion Ratio Lower Upper

240 100

120 18.4 9.5 14.3#

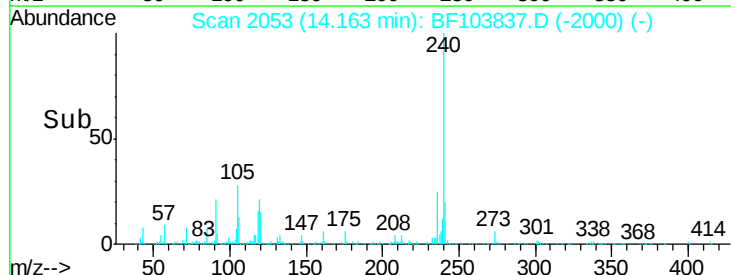
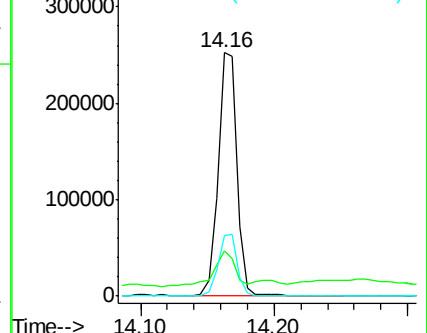
236 25.0 20.7 31.1

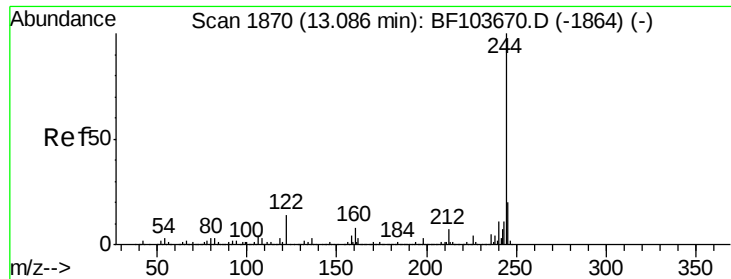


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

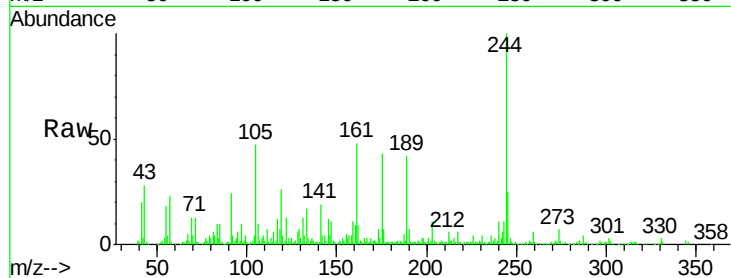




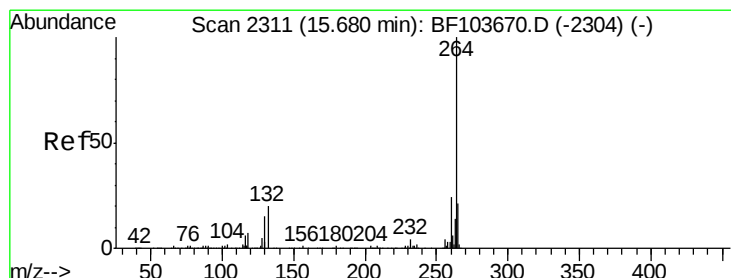
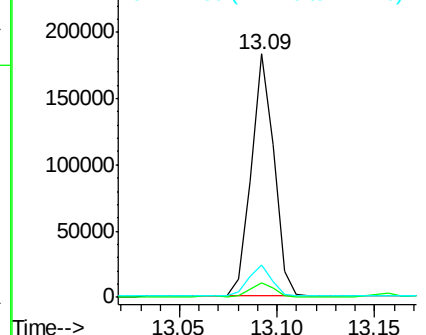
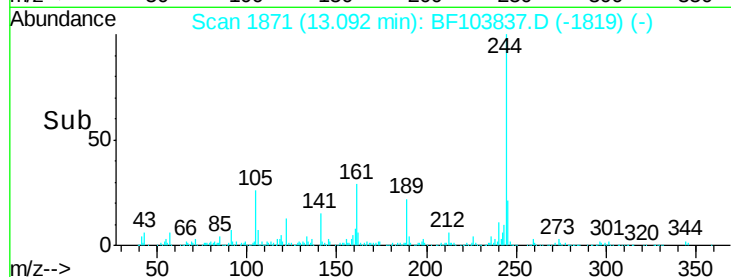
#78
 Terphenyl-d14
 Concen: 13.844 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	13.5	11.0	16.4

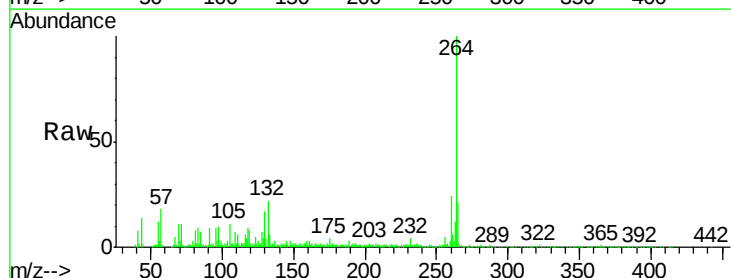


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.72 min Scan# 2317
 Delta R.T. 0.04 min
 Lab File: BF103837.D
 Acq: 21 Mar 2018 11:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3



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

