

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102868.D
 Acq On : 8 Feb 2018 20:43
 Operator : SJ/JU
 Sample : J1471-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 00:25:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

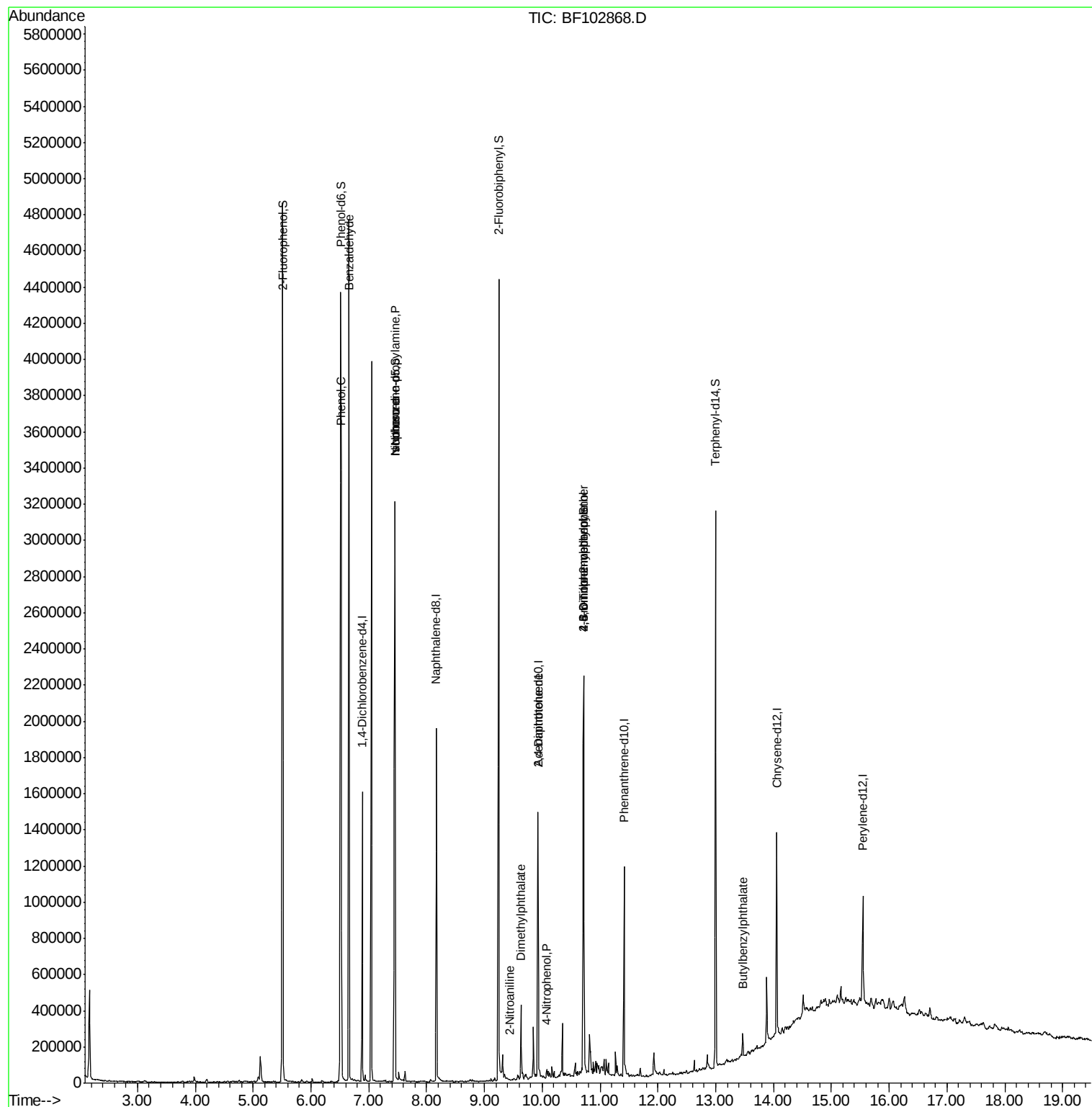
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	196015	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	789447	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	307973	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	426813	20.00	ng	0.00
75) Chrysene-d12	14.06	240	369887	20.00	ng	0.00
86) Perylene-d12	15.54	264	280284	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1399551	108.43	ng	0.02
7) Phenol-d6	6.52	99	1669807	107.45	ng	0.01
23) Nitrobenzene-d5	7.45	82	1077332	94.67	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	235891	95.16	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1434280	77.28	ng	0.00
78) Terphenyl-d14	13.00	244	963353	61.67	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	30554	2.65	ng	82
10) Phenol	6.53	94	114736	6.89	ng	95
19) n-Nitroso-di-n-propylamine	7.45	70	148557	14.50	ng	# 83
25) Isophorone	7.45	82	1077316	41.11	ng	# 64
47) 2-Nitroaniline	9.45	65	127	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	128744	5.36	ng	99
55) 4-Nitrophenol	10.07	139	110	4.05	ng	# 44
56) 2,4-Dinitrotoluene	9.92	165	40096	9.20	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	555	9.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	15356	3.40	ng	# 1
79) Butylbenzylphthalate	13.47	149	19028	2.37	ng	# 86

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

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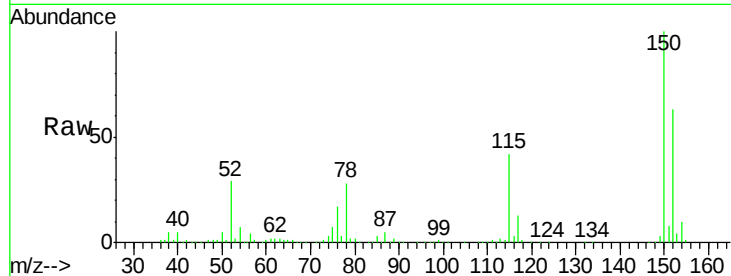


#1

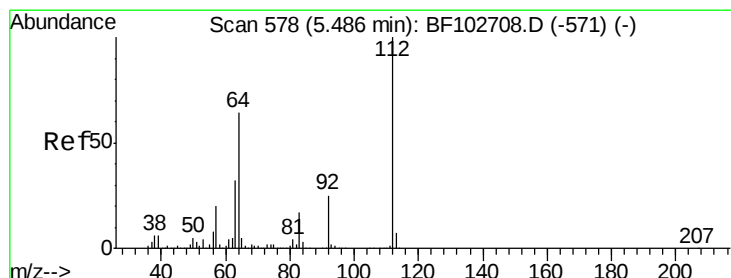
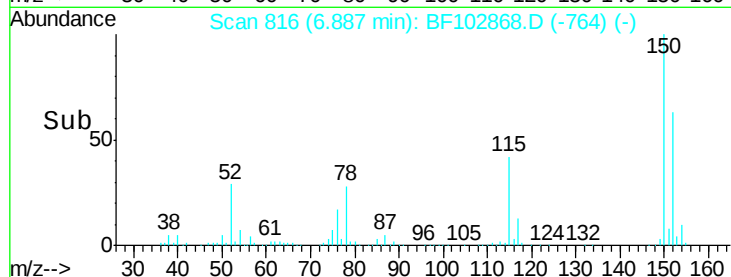
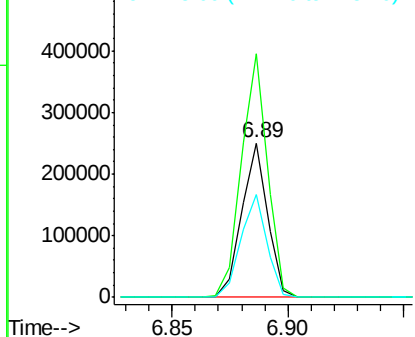
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 196015
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 66.2 50.1 75.1



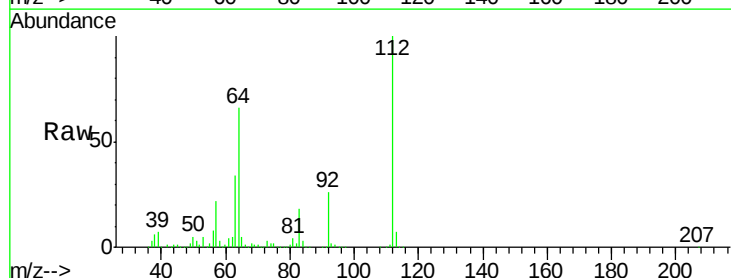
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



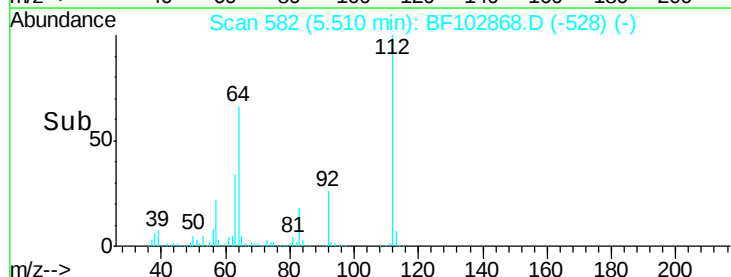
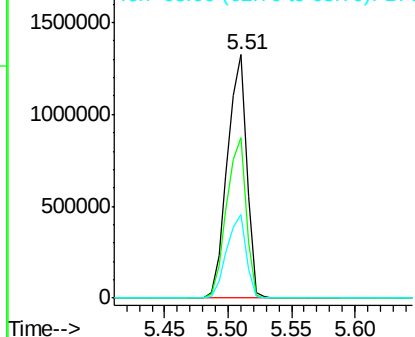
#5

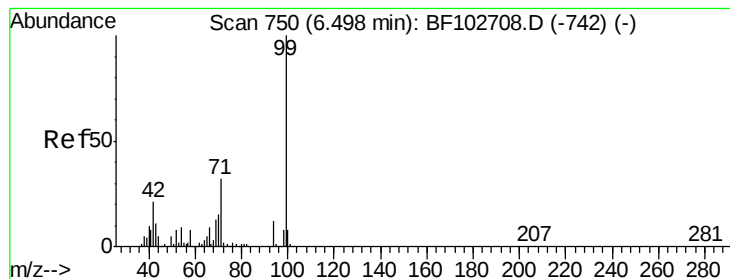
2-Fluorophenol
Concen: 108.43 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Tgt Ion:112 Resp: 1399551
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.4 23.7 35.5



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: 107.45 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

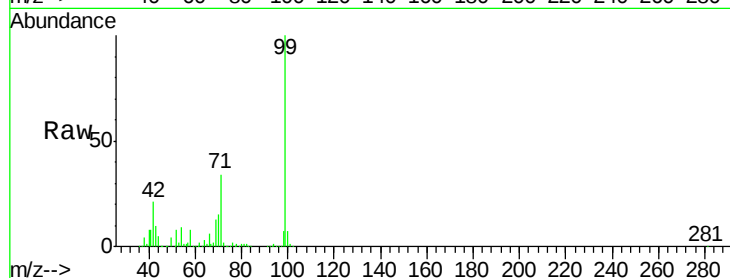
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1669807

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	33.9	25.4	38.0

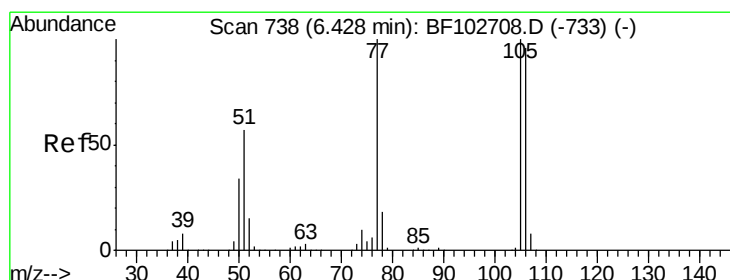
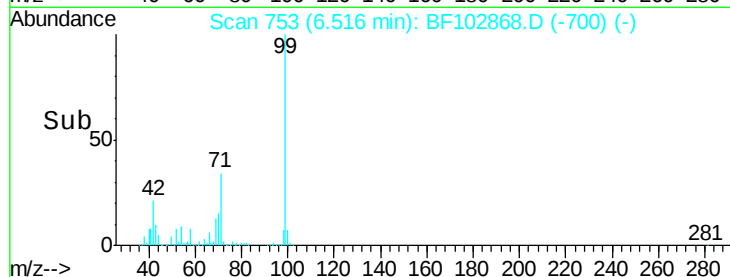
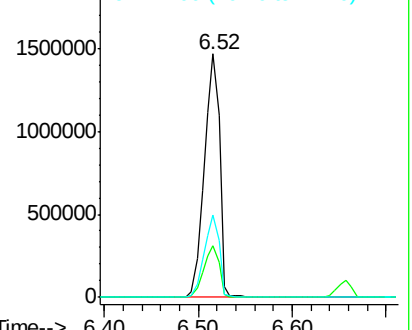


Abundance

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



#9

Benzaldehyde

Concen: 2.65 ng

RT: 6.66 min Scan# 777

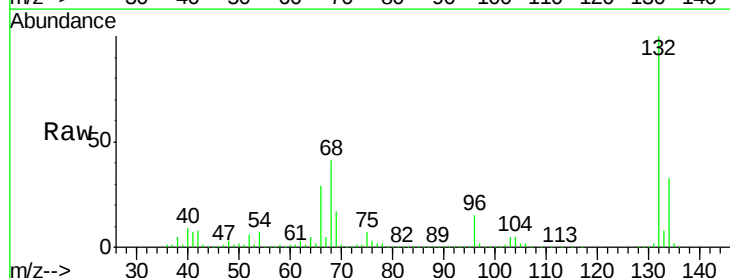
Delta R.T. 0.22 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Tgt Ion: 77 Resp: 30554

Ion	Ratio	Lower	Upper
77	100		
105	82.5	81.1	121.1
106	76.5	74.5	114.5

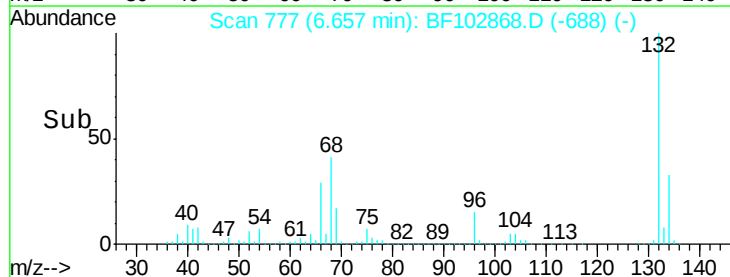
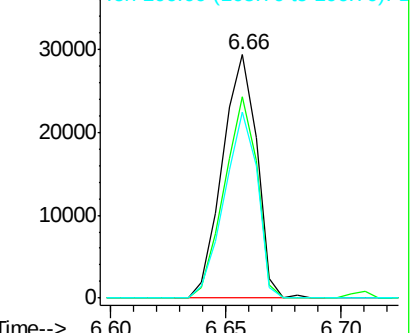


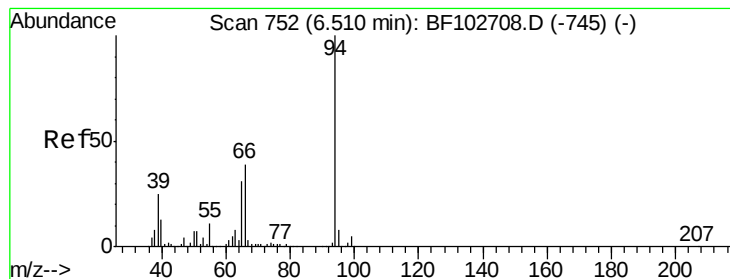
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 6.89 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Instrument :

BNA_F

ClientSampleId :

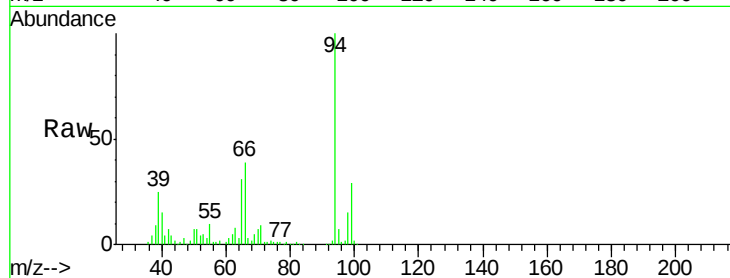
Tot Ion: 94 Resp: 114736

Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

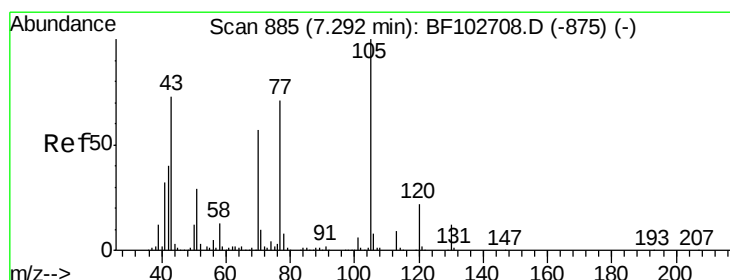
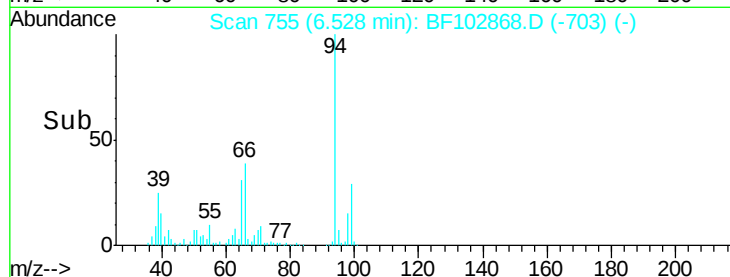
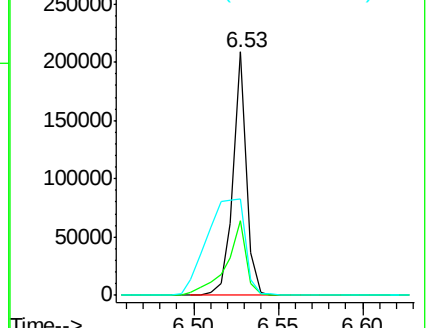
66 39.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.50 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Tgt Ion: 70 Resp: 148557

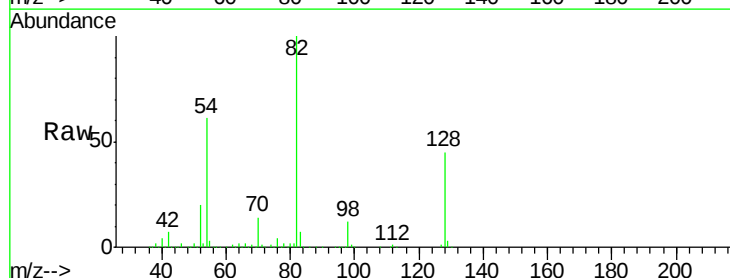
Ion Ratio Lower Upper

70 100

42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

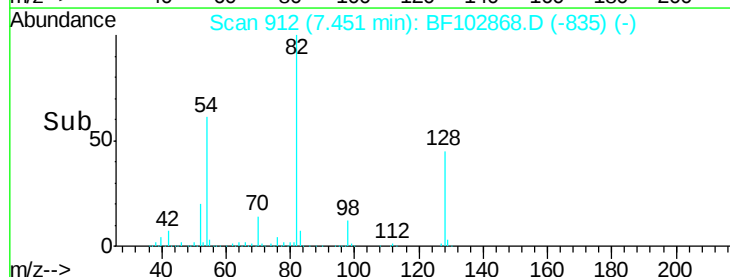
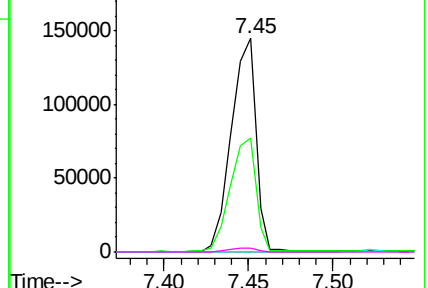


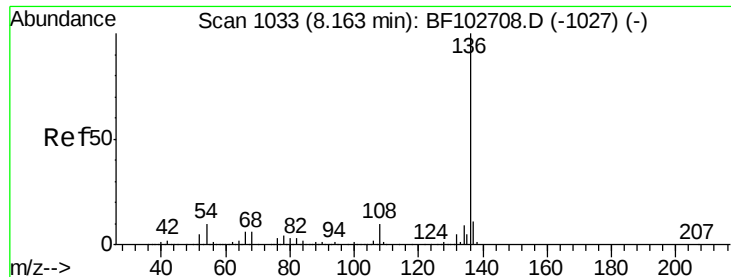
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

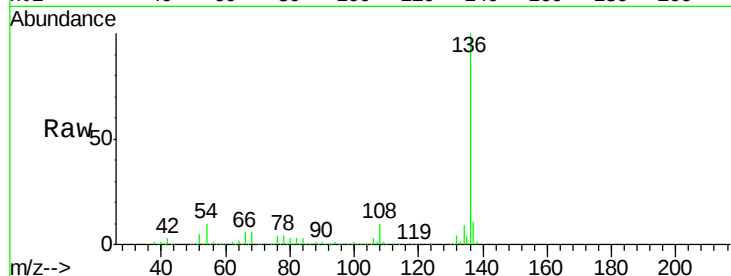




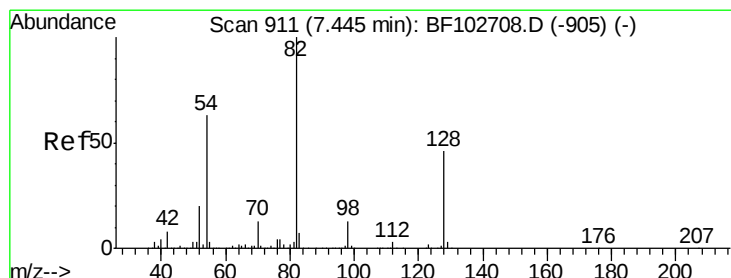
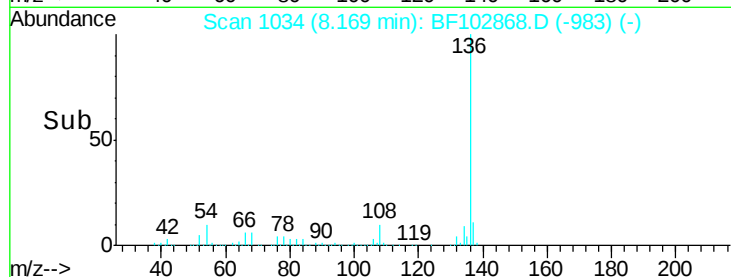
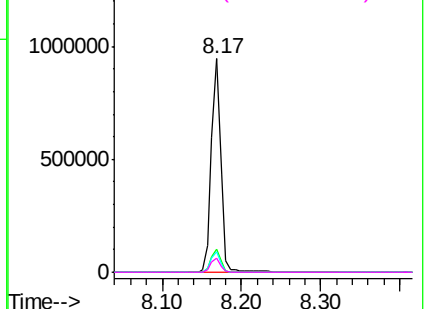
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	789447
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 9.8	6.6	9.8
68 6.5	5.0	7.4

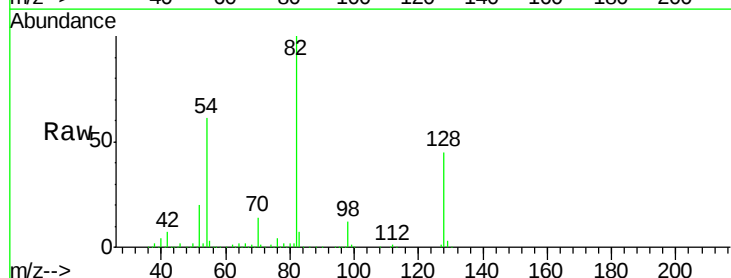


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

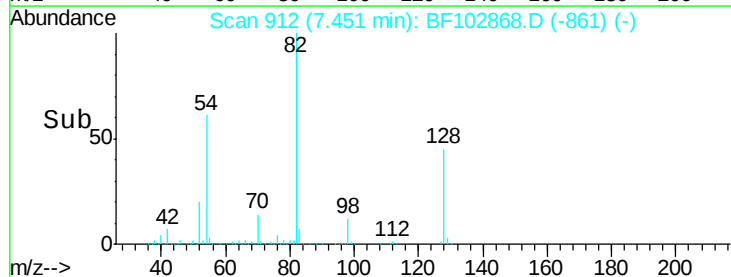
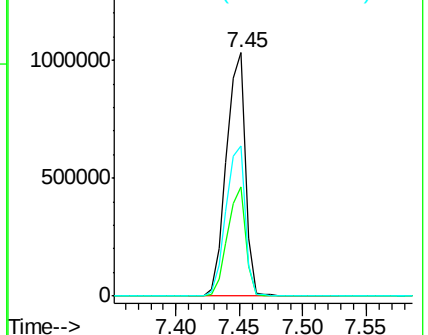


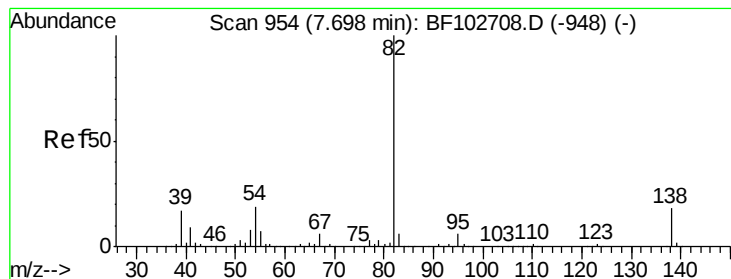
#23
Nitrobenzene-d5
Concen: 94.67 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Tgt Ion: 82	Ratio	Resp: 1077332	
82	100	Lower	Upper
128	44.9	36.1	54.1
54	61.5	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





#25

Isophorone

Concen: 41.11 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.25 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

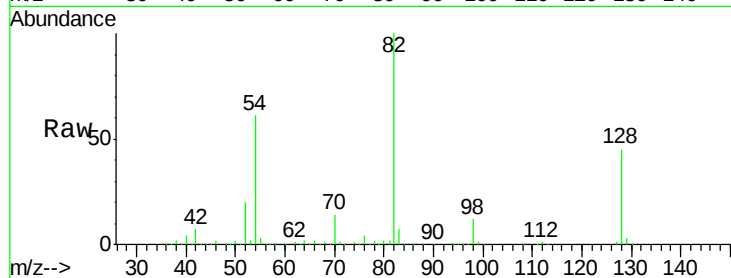
Instrument :

BNA_F

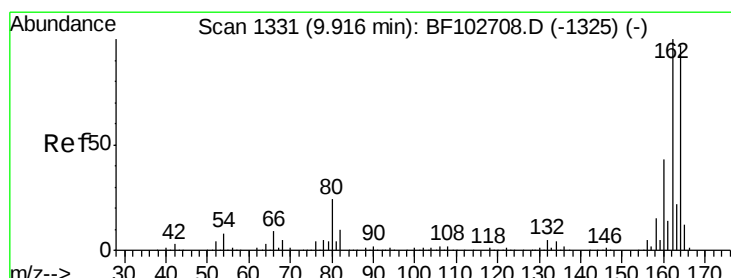
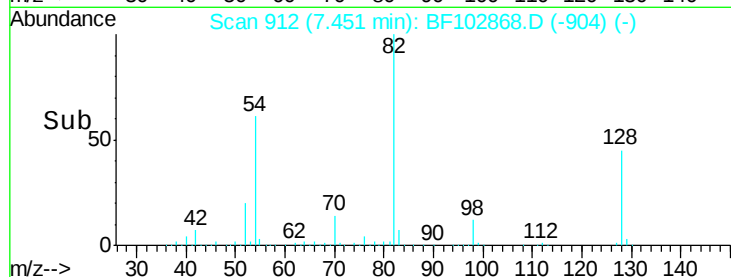
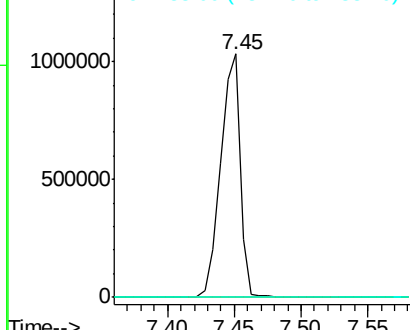
ClientSampled :

Tot Ion: 82 Resp: 1077316

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 1333

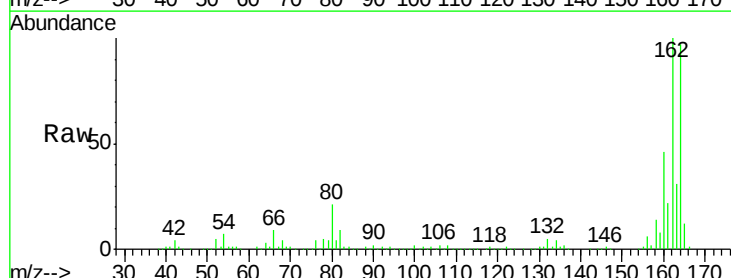
Delta R.T. 0.01 min

Lab File: BF102868.D

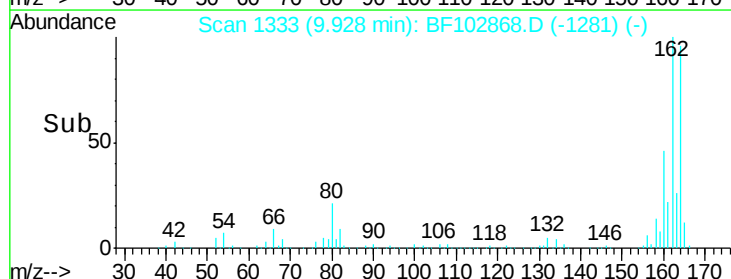
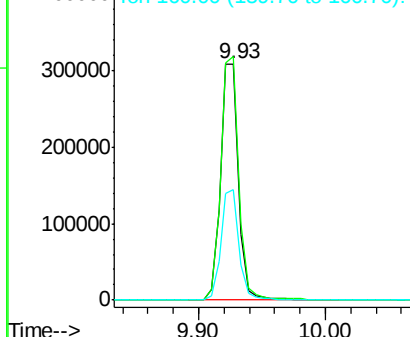
Acq: 8 Feb 2018 20:43

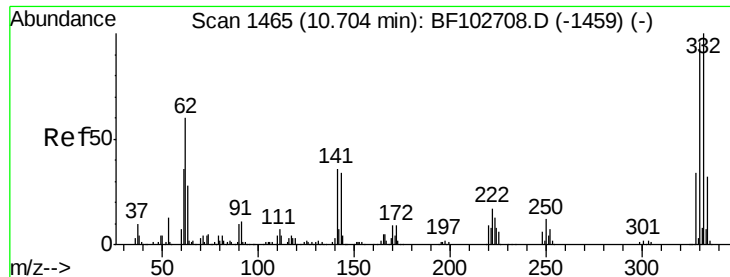
Tgt Ion: 164 Resp: 307973

Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	46.9	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

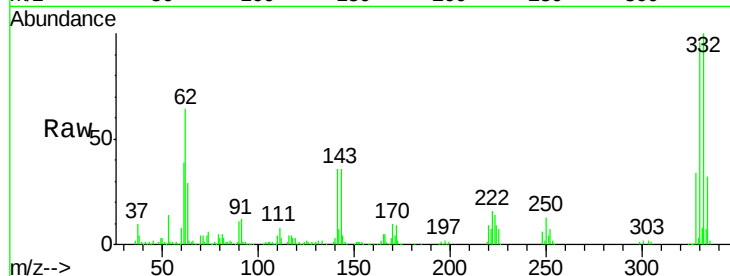




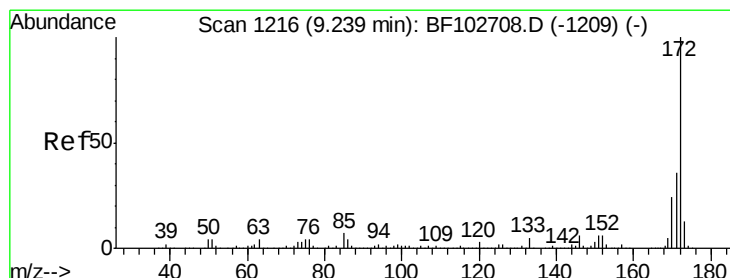
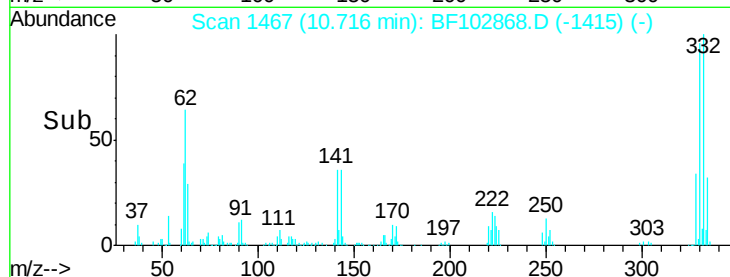
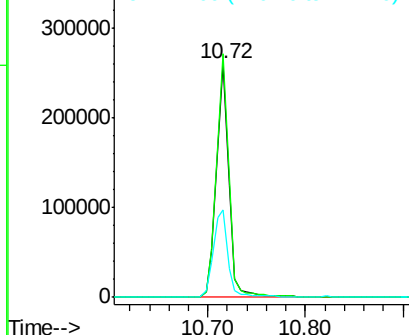
#41
 2,4,6-Tribromophenol
 Concen: 95.16 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102868.D
 Acq: 8 Feb 2018 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.6	77.0	115.6
141	43.8	29.9	44.9

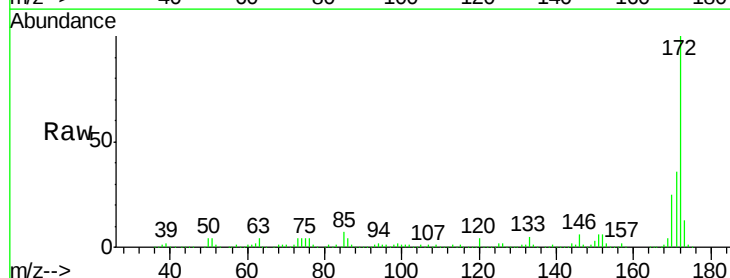


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

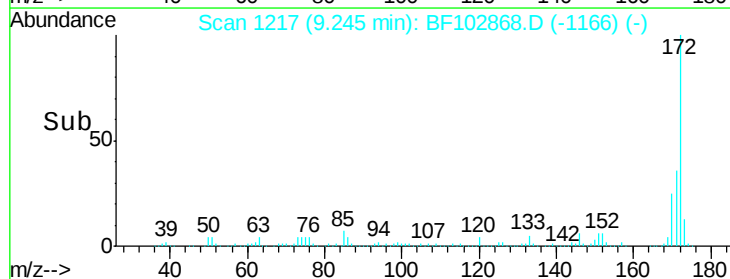
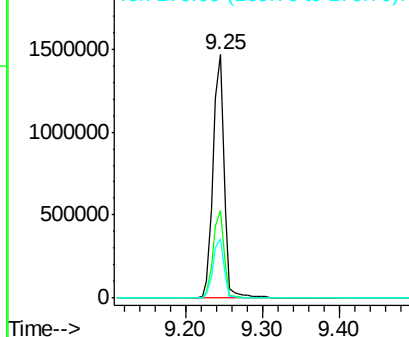


#44
 2-Fluorobiphenyl
 Concen: 77.28 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102868.D
 Acq: 8 Feb 2018 20:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.5	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

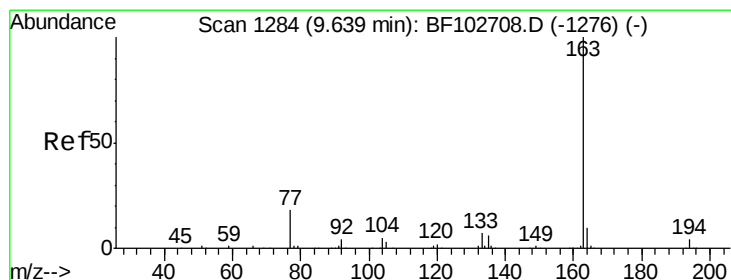
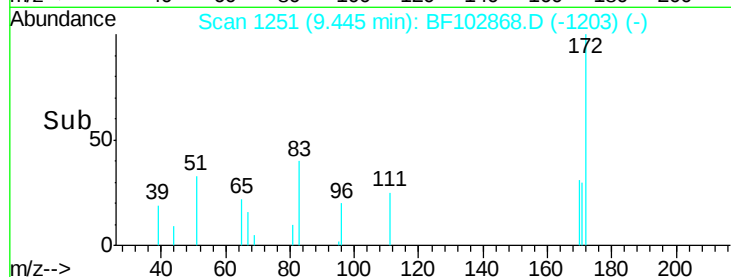
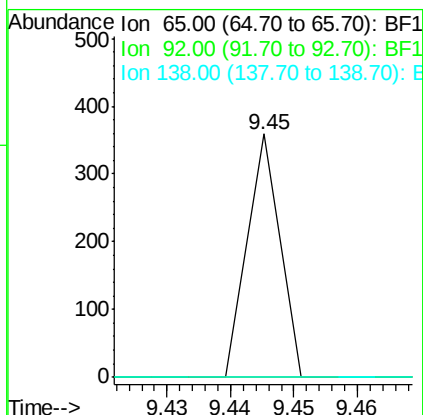
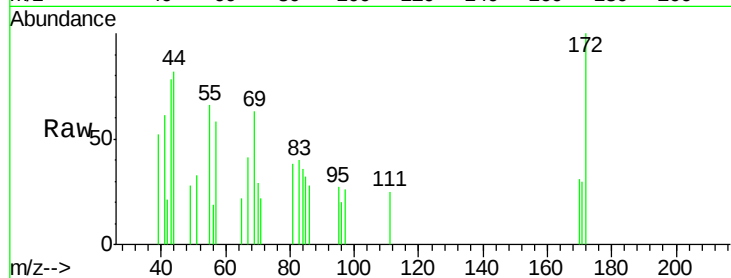




#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

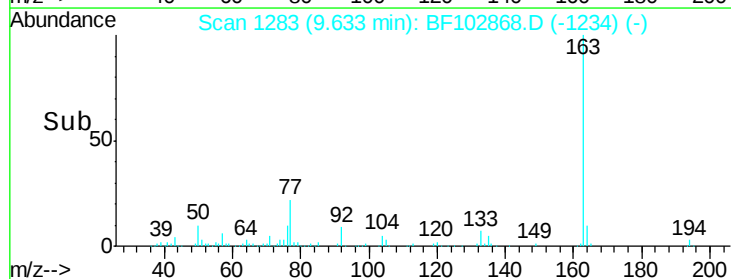
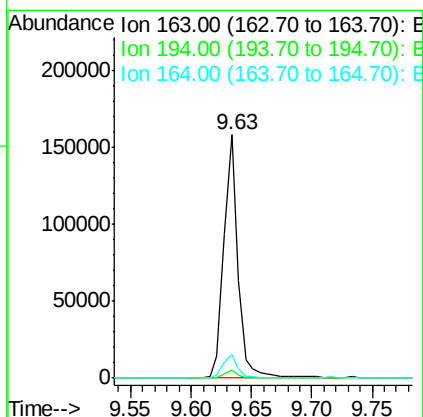
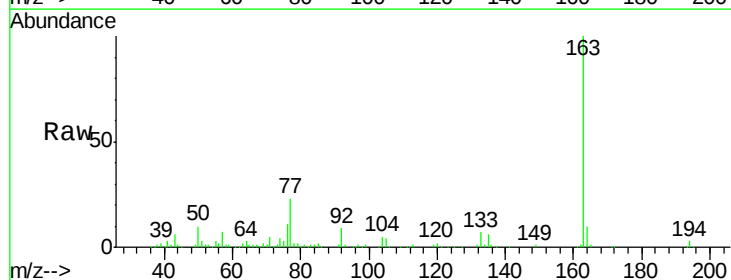
Instrument :
BNA_F
ClientSampleId :

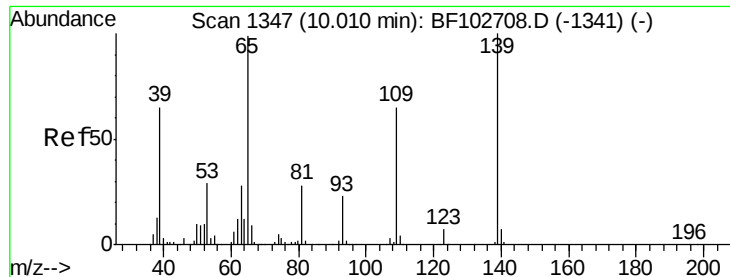
Tot Ion: 65 Resp: 127
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Tgt Ion: 163 Resp: 128744
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 8.2 12.2





#55

4-Nitrophenol

Concen: 4.05 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.05 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Instrument :

BNA_F

ClientSampled :

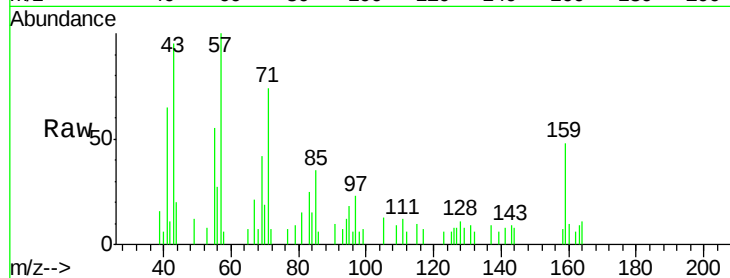
Tot Ion:139 Resp: 110

Ion Ratio Lower Upper

139 100

109 154.7 48.4 88.4#

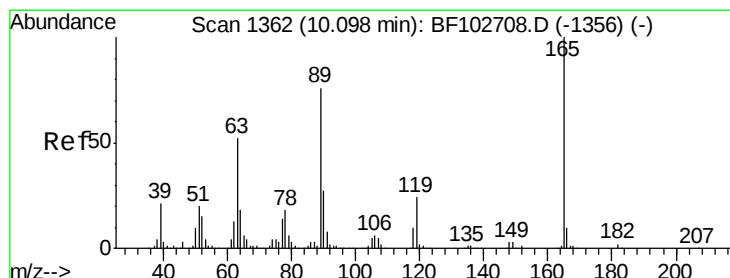
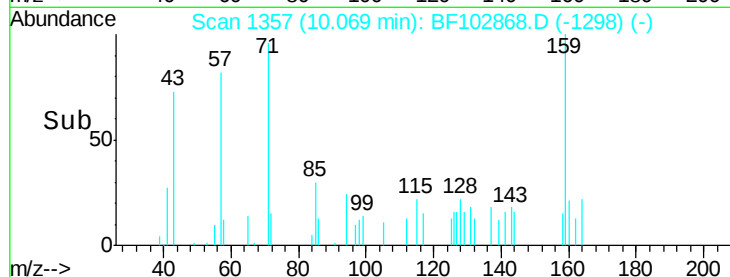
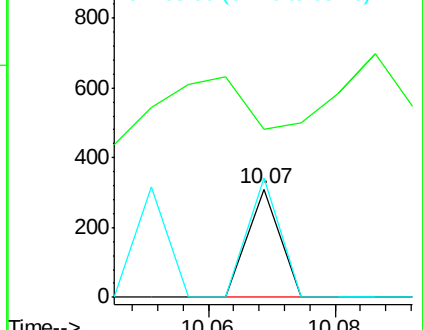
65 110.0 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 9.20 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.18 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Tgt Ion:165 Resp: 40096

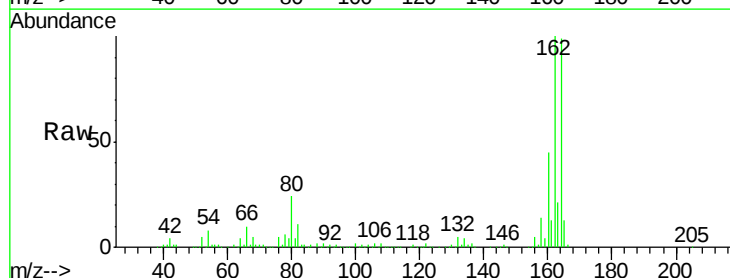
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

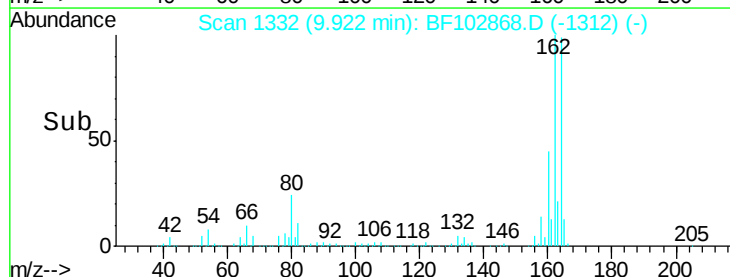
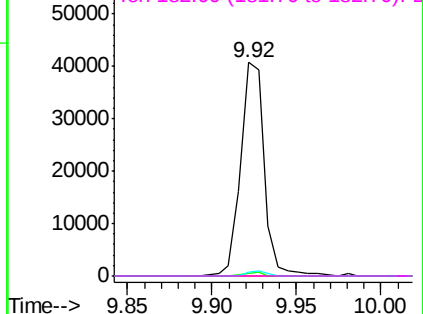


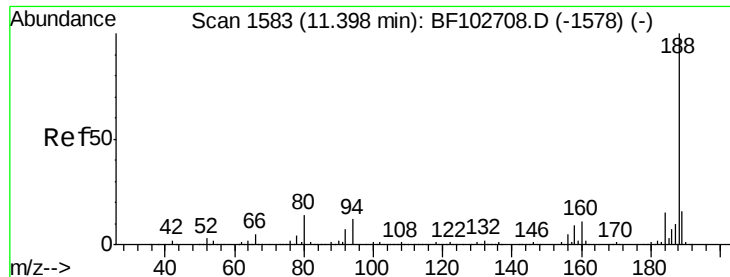
Abundance Ion 165.00 (164.70 to 165.70): E

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

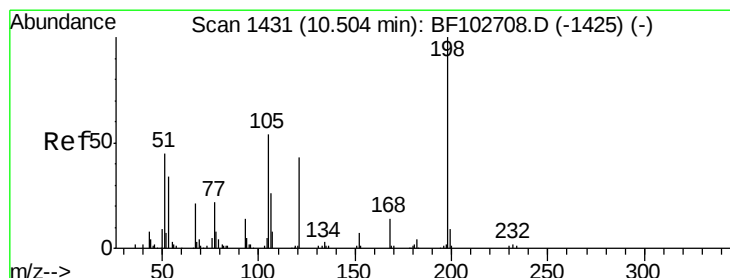
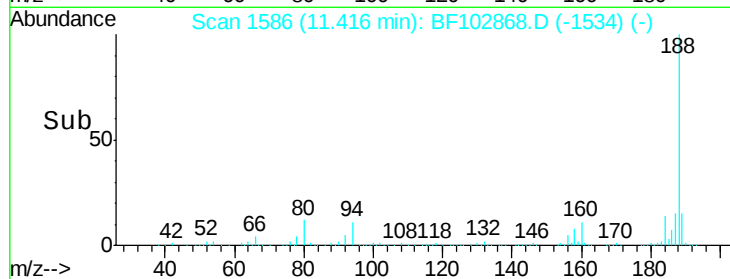
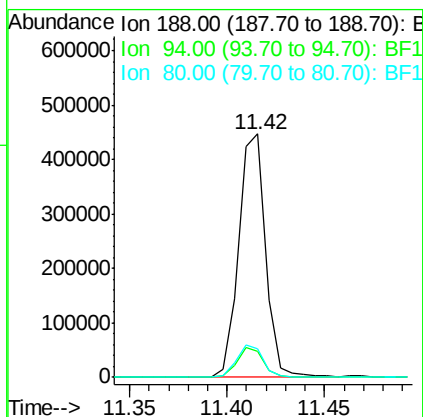
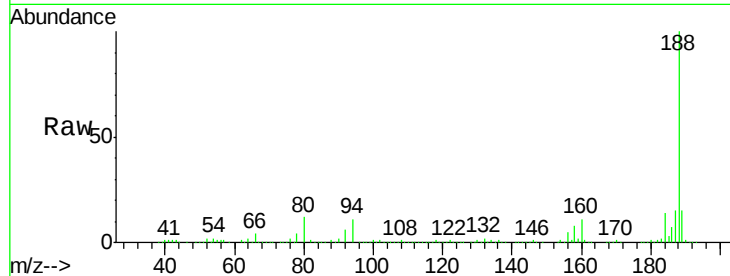




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF102868.D
 Acq: 8 Feb 2018 20:43

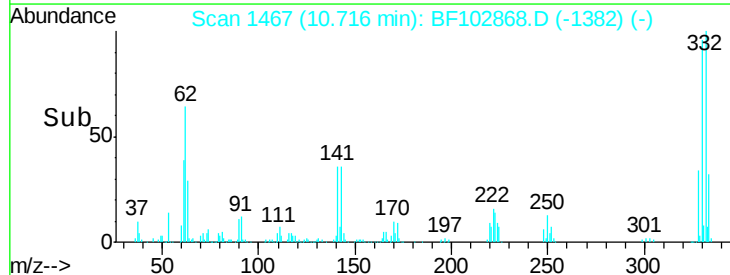
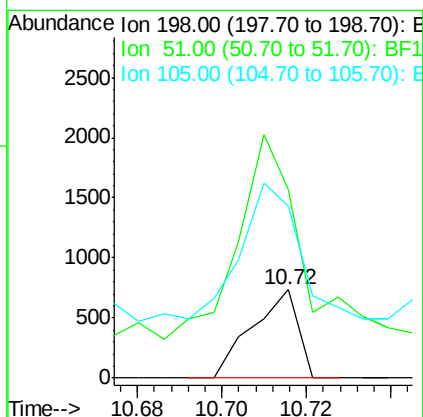
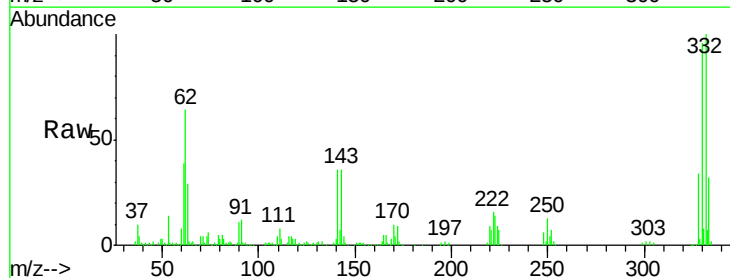
Instrument :
 BNA_F
 ClientSampleId :

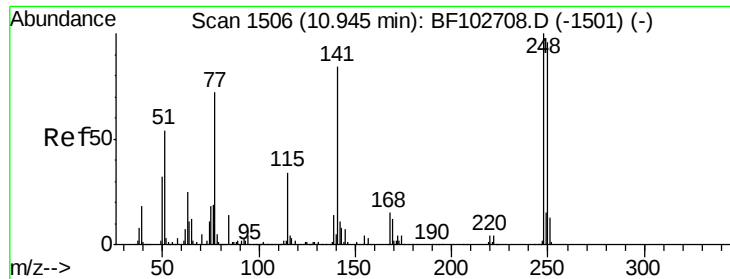
Tot Ion:188 Resp: 426813
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.08 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF102868.D
 Acq: 8 Feb 2018 20:43

Tgt Ion:198 Resp: 555
 Ion Ratio Lower Upper
 198 100
 51 212.9 37.7 77.7#
 105 195.0 36.3 76.3#

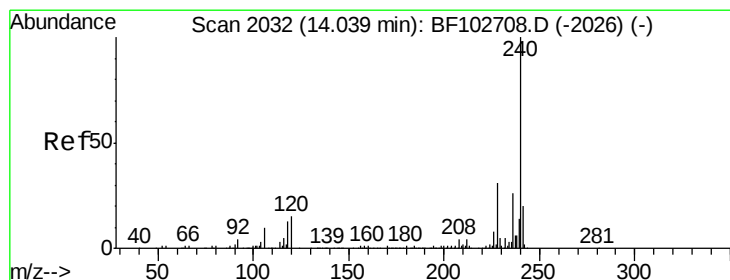
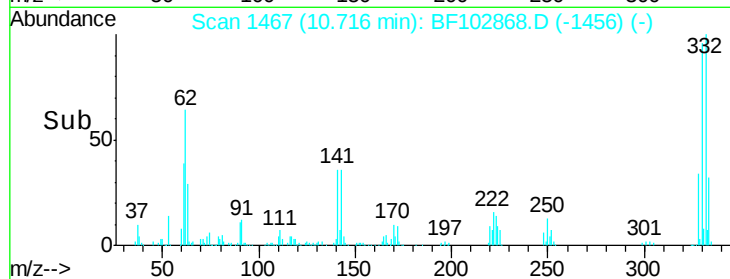
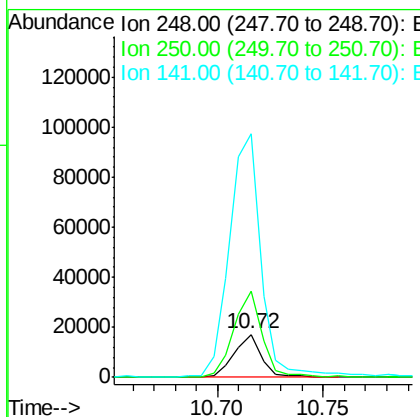
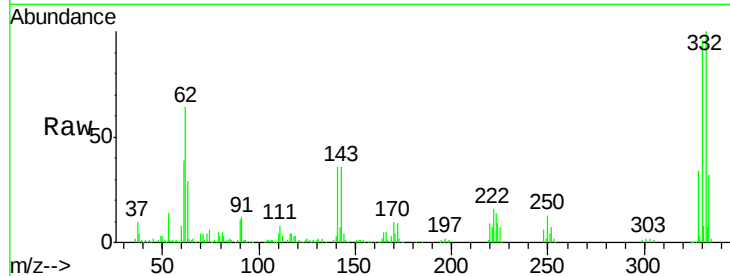




#66
4-Bromophenyl-phenylether
Concen: 3.40 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

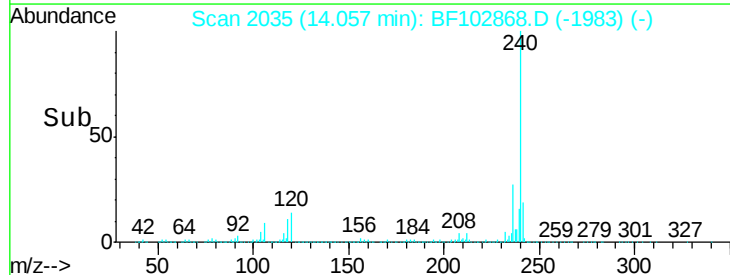
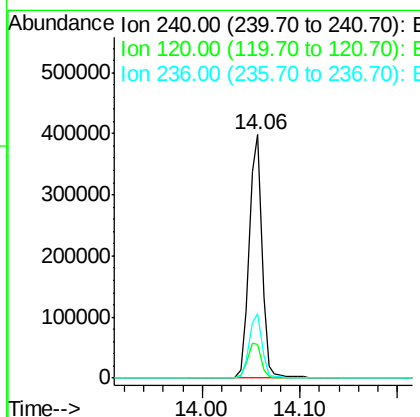
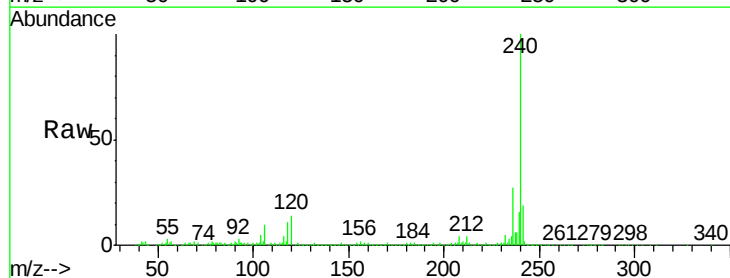
Instrument :
BNA_F
ClientSampleId :

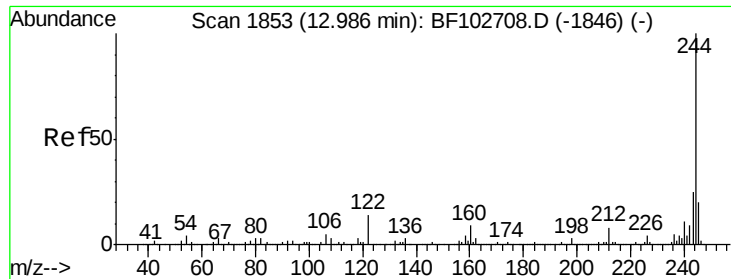
Tot Ion:248 Resp: 15356
Ion Ratio Lower Upper
248 100
250 200.2 76.9 115.3#
141 569.7 74.4 111.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Tgt Ion:240 Resp: 369887
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 26.6 20.7 31.1





#78

Terphenyl-d14

Concen: 61.67 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

Instrument :

BNA_F

ClientSampled :

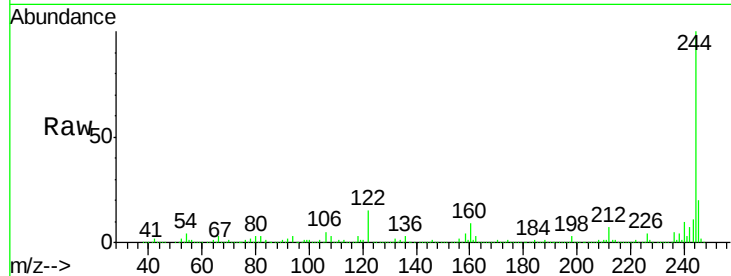
Tot Ion:244 Resp: 963353

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

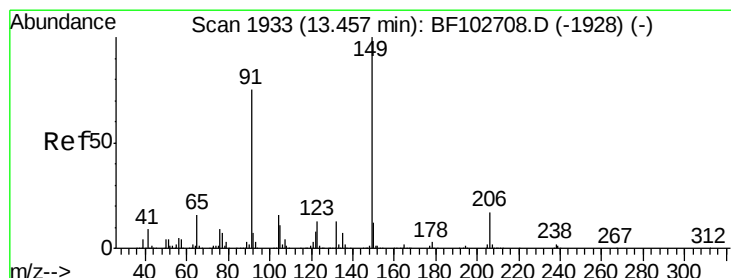
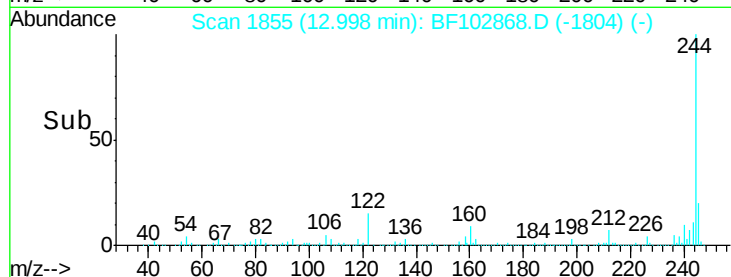
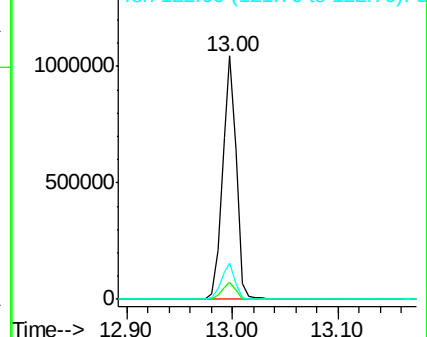
122 14.7 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 2.37 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BF102868.D

Acq: 8 Feb 2018 20:43

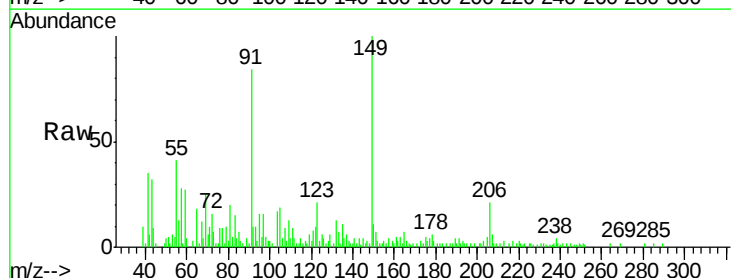
Tgt Ion:149 Resp: 19028

Ion Ratio Lower Upper

149 100

91 83.9 56.8 85.2

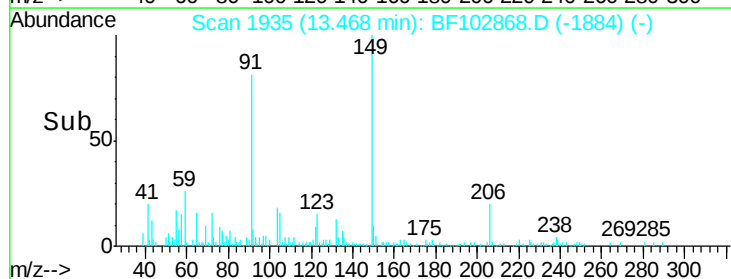
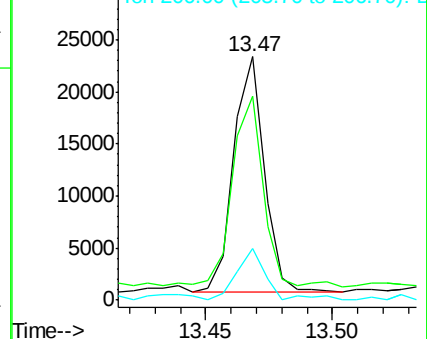
206 21.4 14.1 21.1#

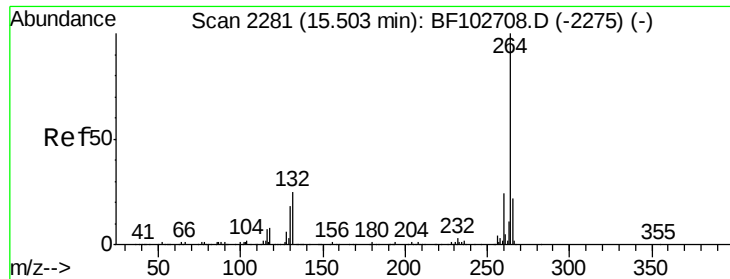


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102868.D
Acq: 8 Feb 2018 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 280284
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.3 17.5 26.3

