

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102836.D
 Acq On : 8 Feb 2018 1:17
 Operator : SJ/JU
 Sample : J1473-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 06:30:07 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

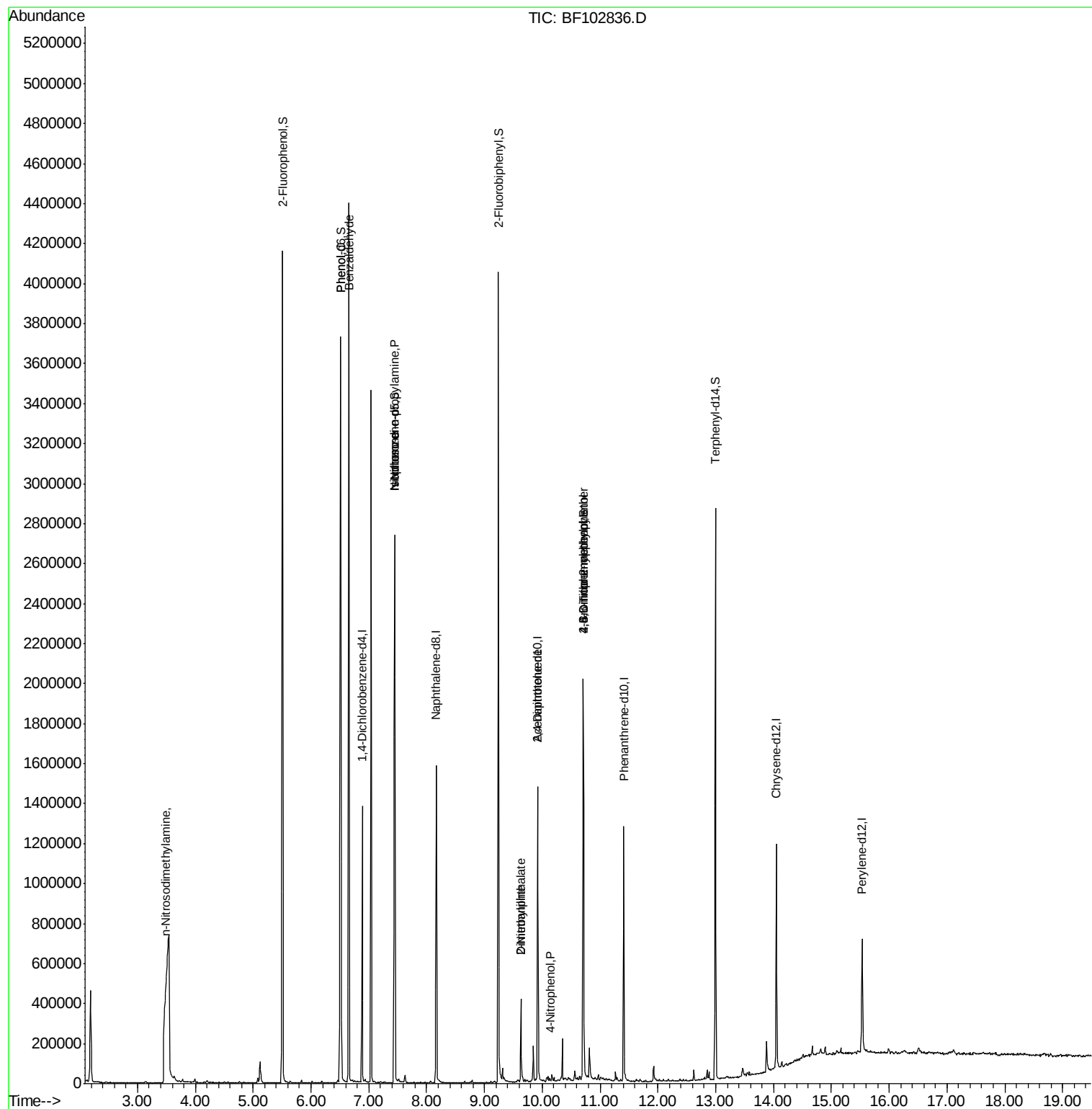
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	195379	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	736397	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	278979	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	416698	20.00	ng	0.00
75) Chrysene-d12	14.05	240	359901	20.00	ng	0.00
86) Perylene-d12	15.53	264	272141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1262113	98.10	ng	0.02
7) Phenol-d6	6.52	99	1466425	94.67	ng	0.01
23) Nitrobenzene-d5	7.45	82	890042	83.84	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	226476	100.86	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1355462	80.62	ng	0.00
78) Terphenyl-d14	13.00	244	992778	65.31	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.49	42	20991	2.79	ng	# 1
9) Benzaldehyde	6.66	77	26235	2.28	ng	# 81
10) Phenol	6.52	94	91577	5.52	ng	# 88
19) n-Nitroso-di-n-propylamine	7.45	70	120393	11.79	ng	# 80
25) Isophorone	7.45	82	890027	36.41	ng	# 64
47) 2-Nitroaniline	9.63	65	1773	3.76	ng	# 1
49) Dimethylphthalate	9.63	163	175426	8.06	ng	# 98
55) 4-Nitrophenol	10.13	139	120	4.05	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	35718	9.10	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	448	9.03	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14756	3.35	ng	# 1

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

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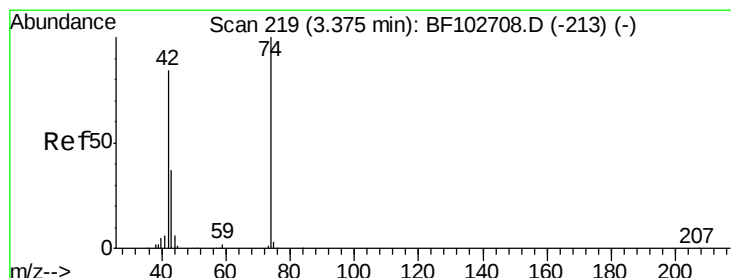
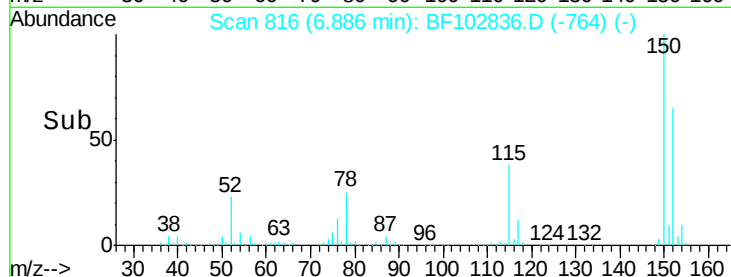
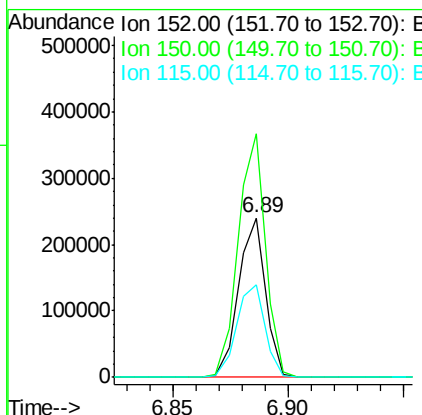
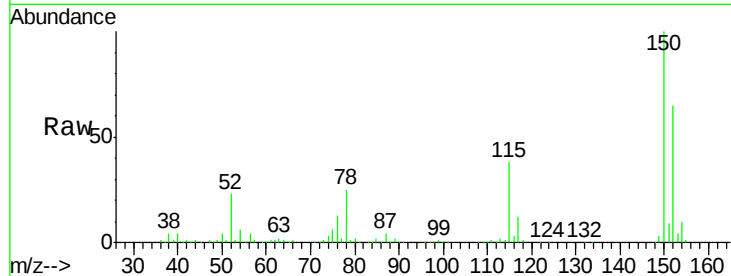


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Instrument :
BNA_F
ClientSampled :

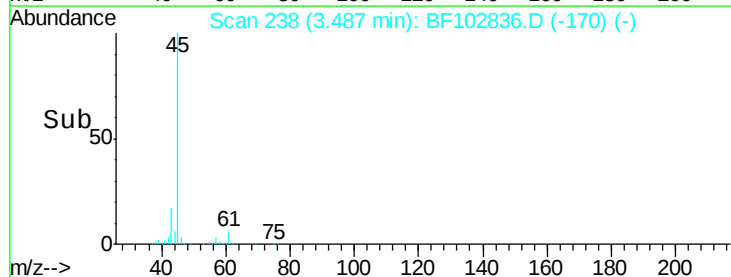
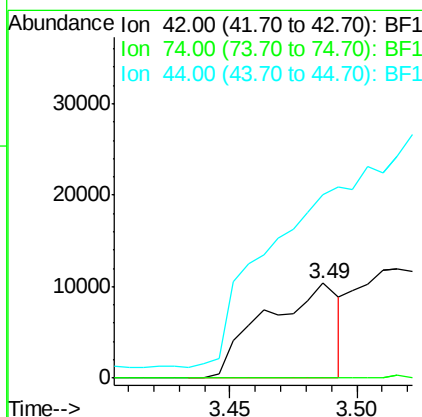
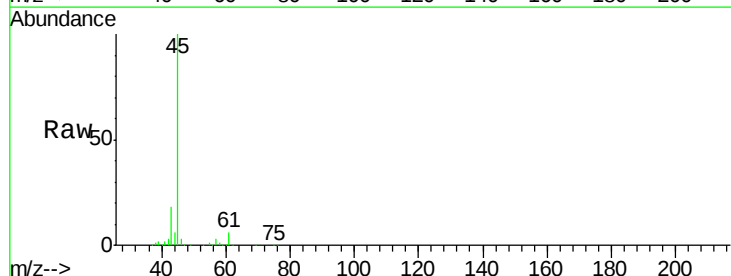
Tot Ion:152 Resp: 195379
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 58.3 50.1 75.1

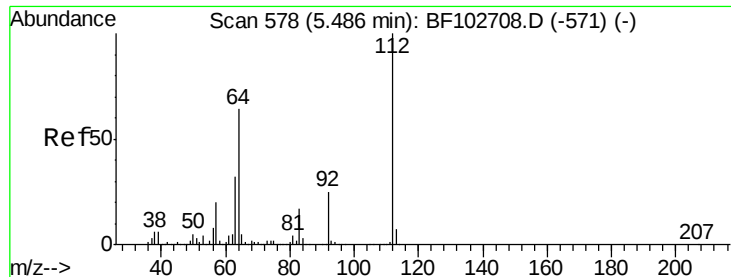


#4

n-Nitrosodimethylamine
Concen: 2.79 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.10 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Tgt Ion: 42 Resp: 20991
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 192.5 6.9 10.3#





#5

2-Fluorophenol

Concen: 98.10 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

Instrument :

BNA_F

ClientSampleId :

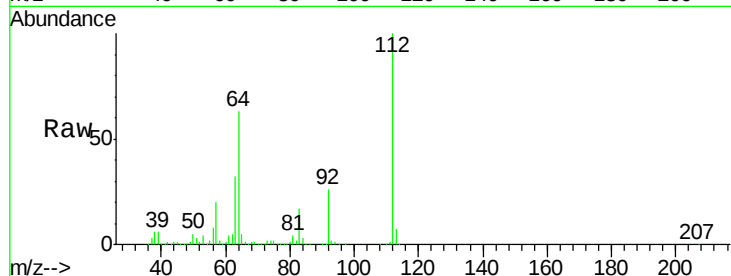
Tot Ion:112 Resp: 1262113

Ion Ratio Lower Upper

112 100

64 63.0 47.9 71.9

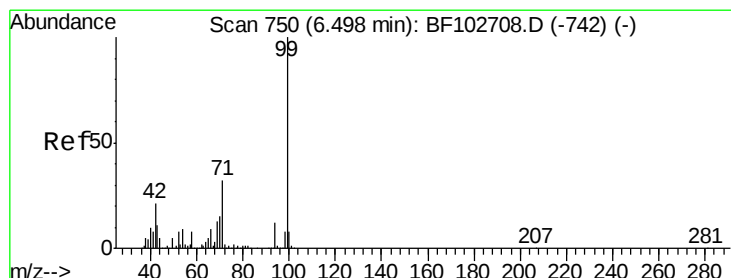
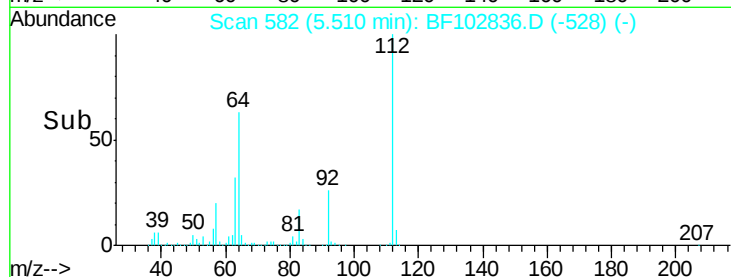
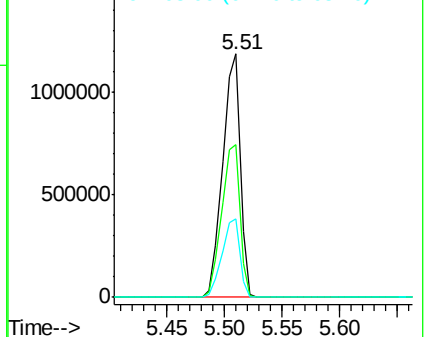
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 94.67 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

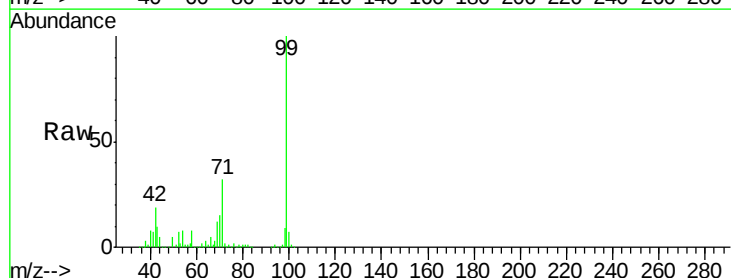
Tgt Ion: 99 Resp: 1466425

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

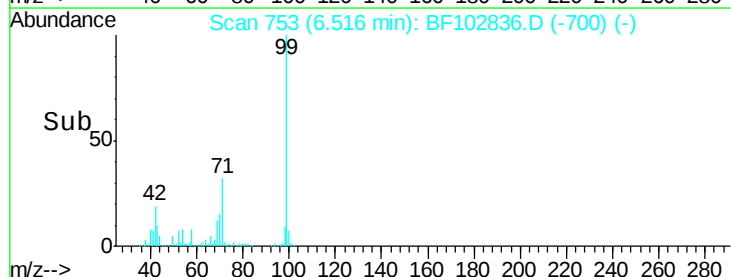
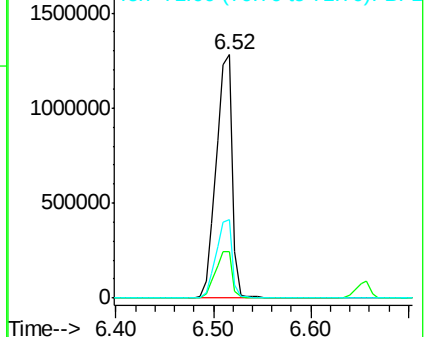
71 32.3 25.4 38.0

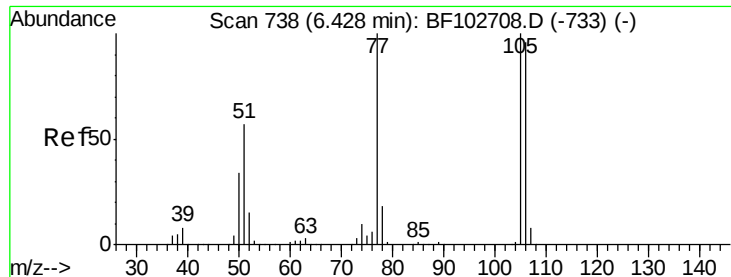


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyd

Concen: 2.28 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

Instrument :

BNA_F

ClientSampleId :

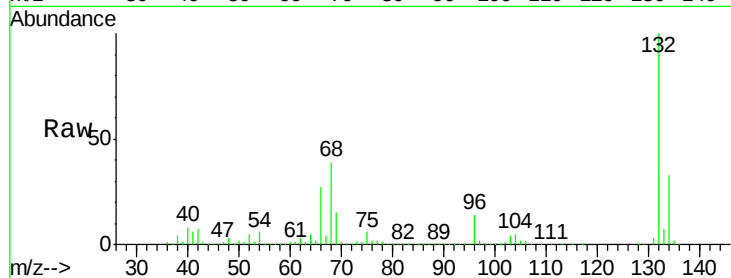
Tot Ion: 77 Resp: 26235

Ion Ratio Lower Upper

77 100

105 81.6 81.1 121.1

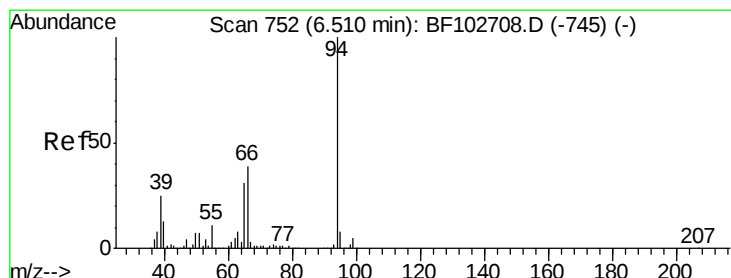
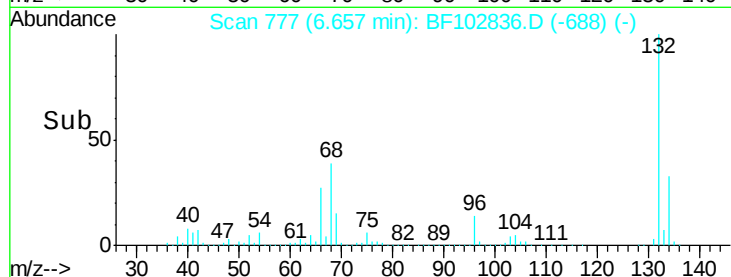
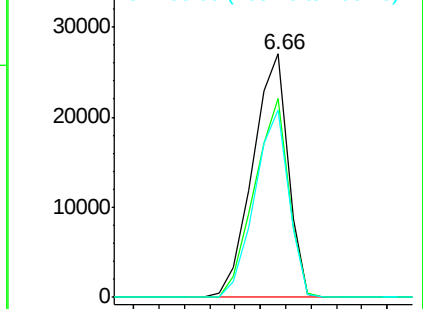
106 76.7 74.5 114.5



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: 5.52 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

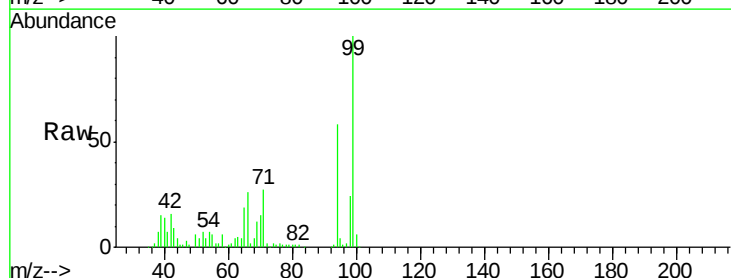
Tgt Ion: 94 Resp: 91577

Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

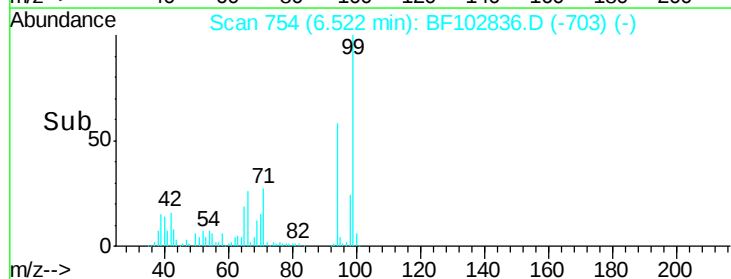
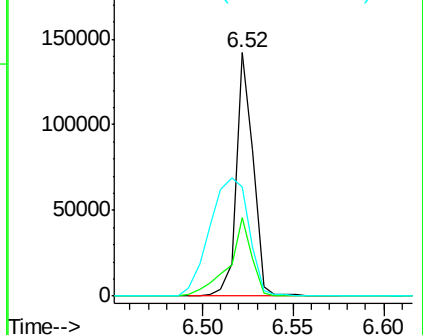
66 44.9 16.2 56.2

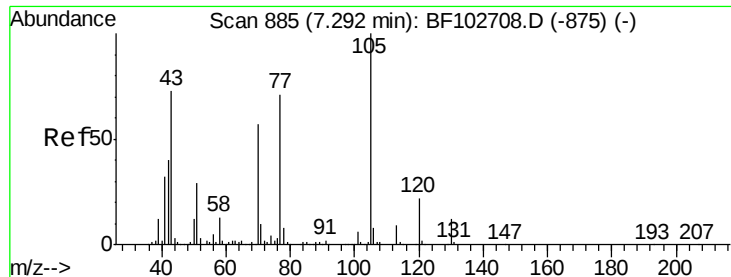


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

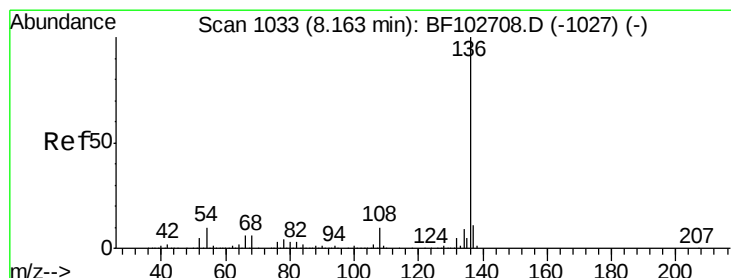
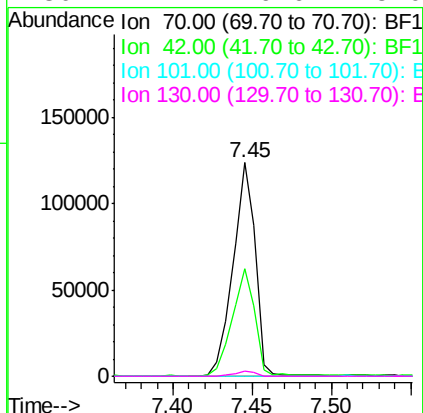
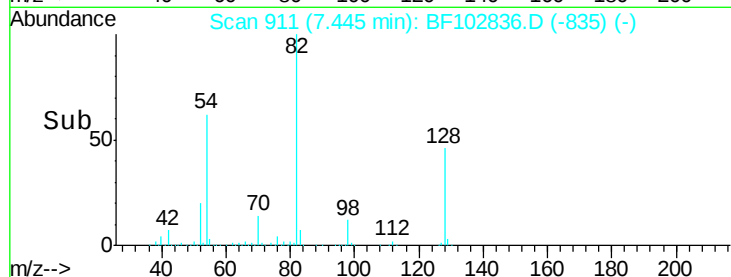
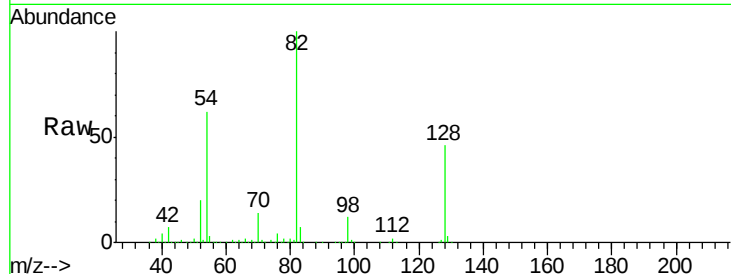




#19
n-Nitroso-di-n-propylamine
Concen: 11.79 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

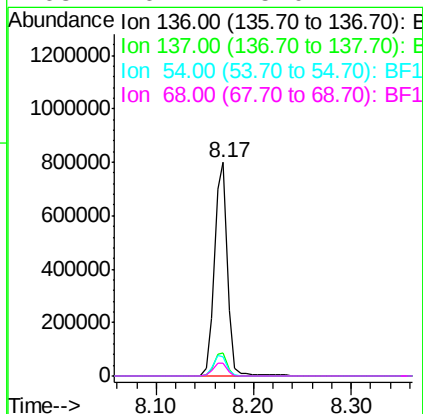
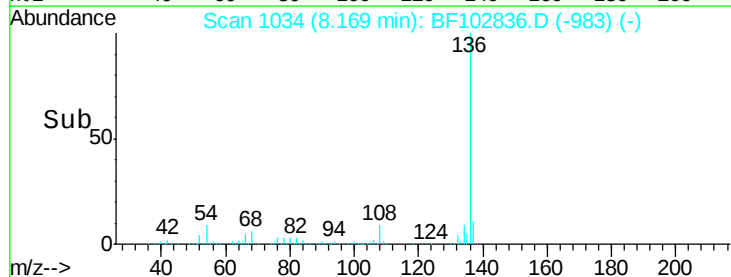
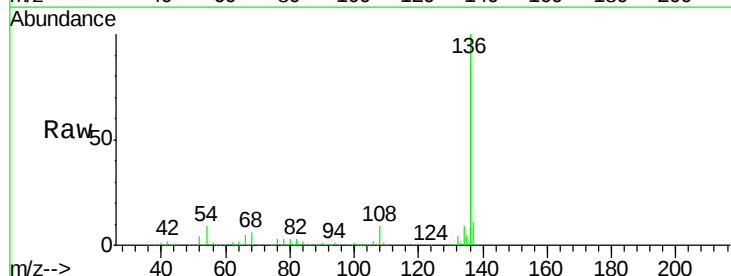
Instrument :
BNA_F
ClientSampleId :

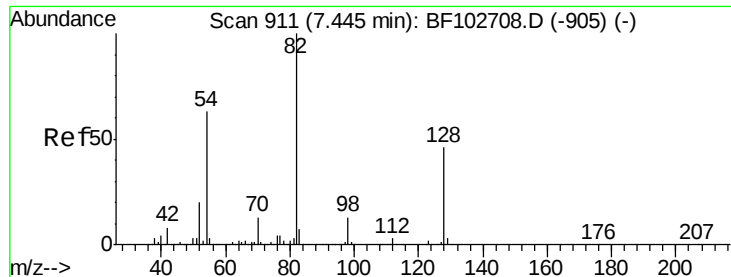
Tot Ion: 70 Resp: 120393
Ion Ratio Lower Upper
70 100
42 50.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Tgt Ion: 136 Resp: 736397
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.1 6.6 9.8
68 6.2 5.0 7.4

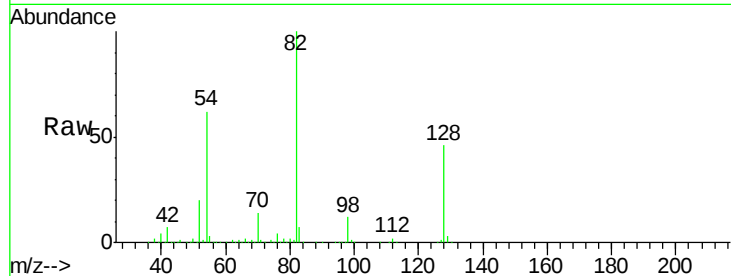




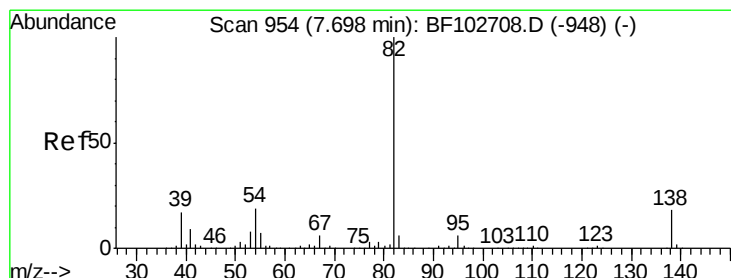
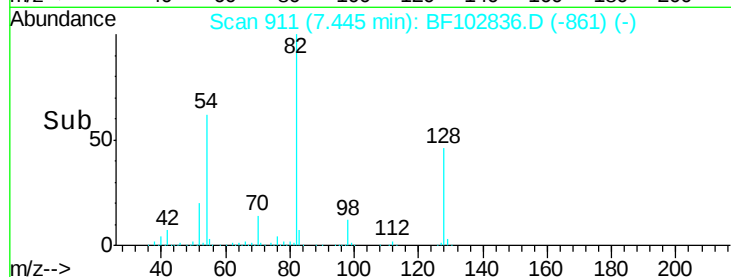
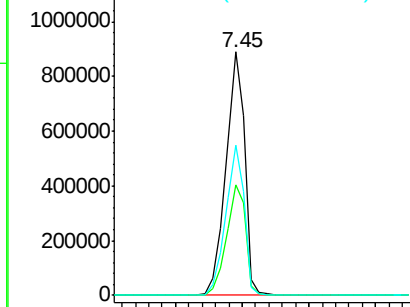
#23
Nitrobenzene-d5
Concen: 83.84 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	890042
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	61.7	41.4	62.2

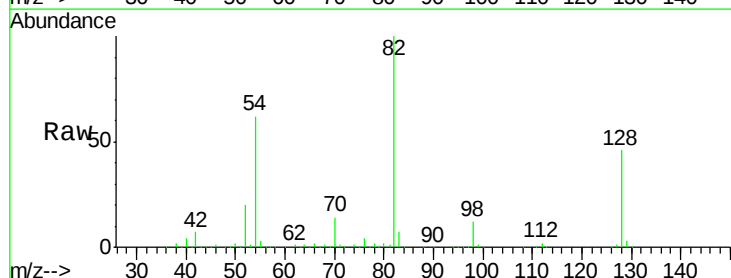


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

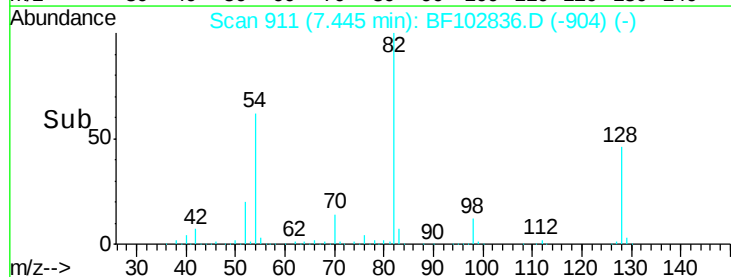
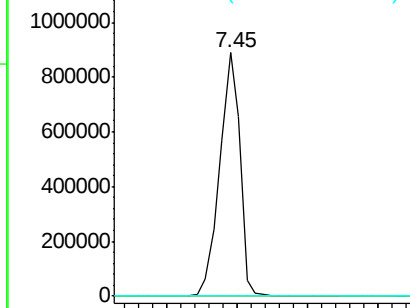


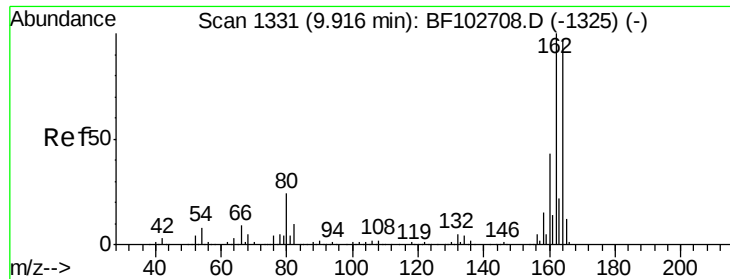
#25
Isophorone
Concen: 36.41 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Tgt Ion	82	Resp	890027
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

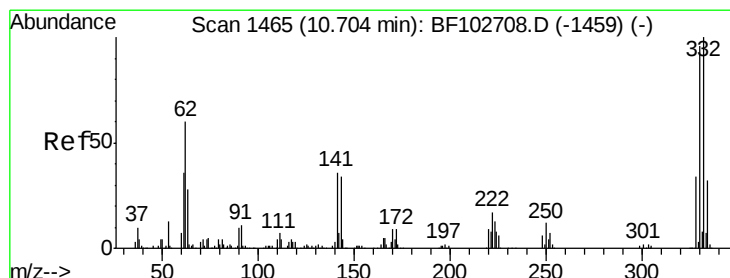
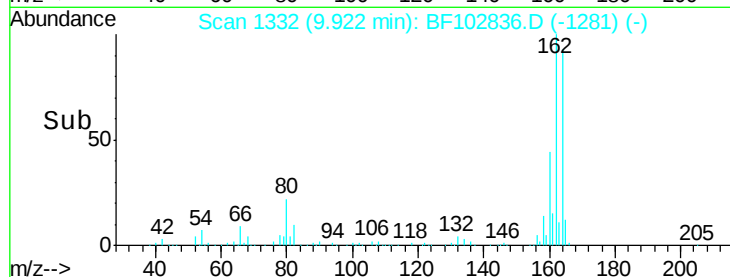
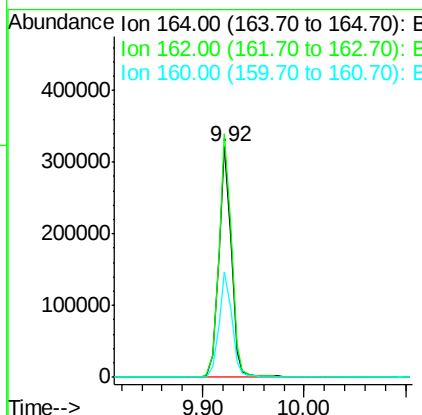
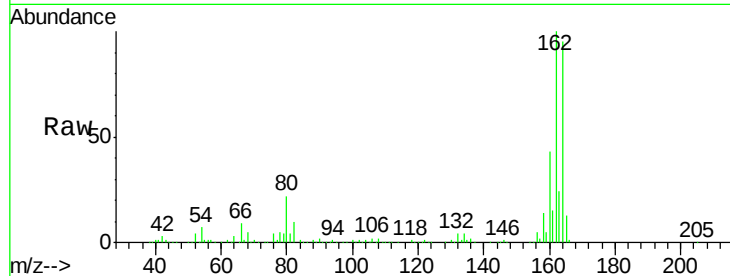




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

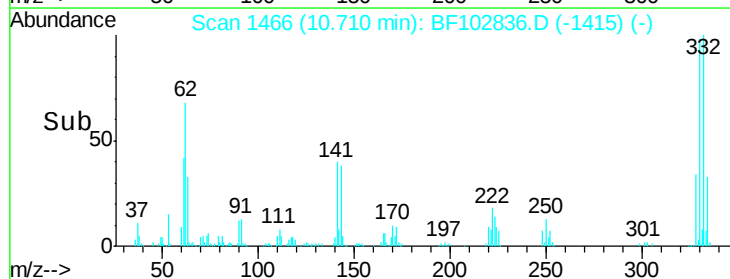
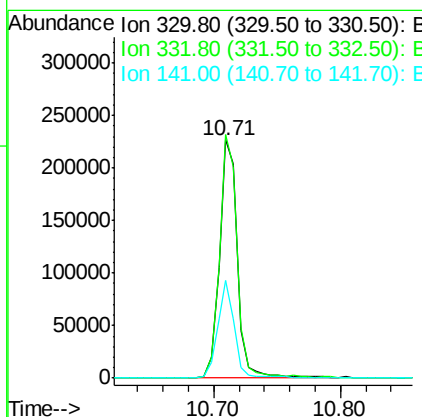
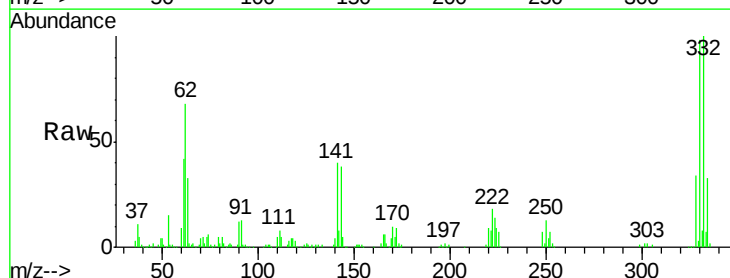
Instrument :
 BNA_F
 ClientSampleId :

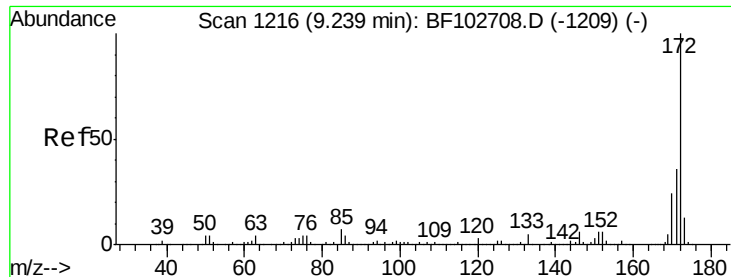
Tot Ion:164 Resp: 278979
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 45.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 100.86 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Tgt Ion:330 Resp: 226476
 Ion Ratio Lower Upper
 330 100
 332 101.4 77.0 115.6
 141 38.3 29.9 44.9

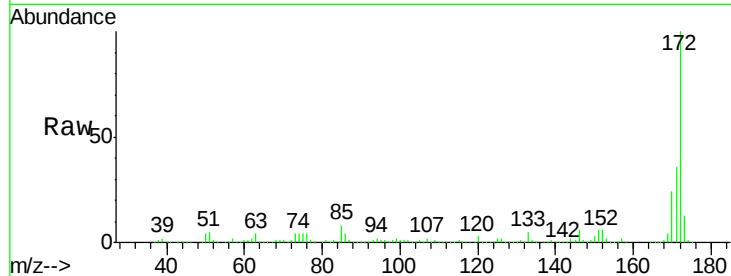




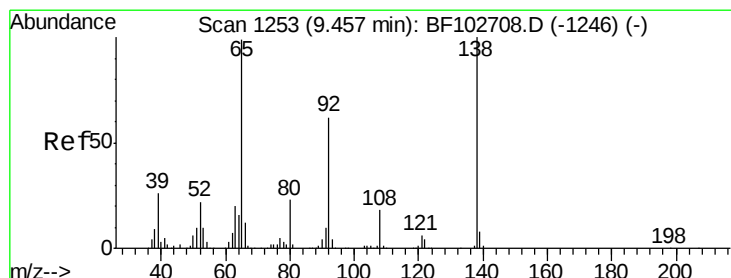
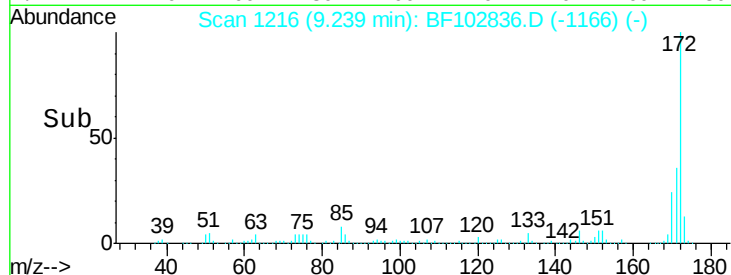
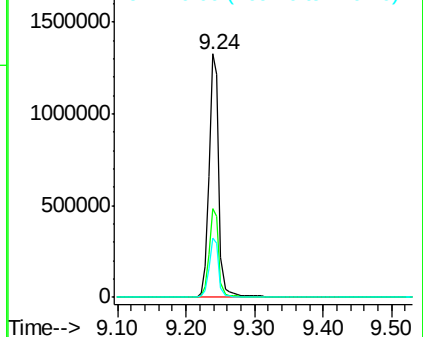
#44
2-Fluorobiphenyl
Concen: 80.62 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1355462
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.1 19.6 29.4

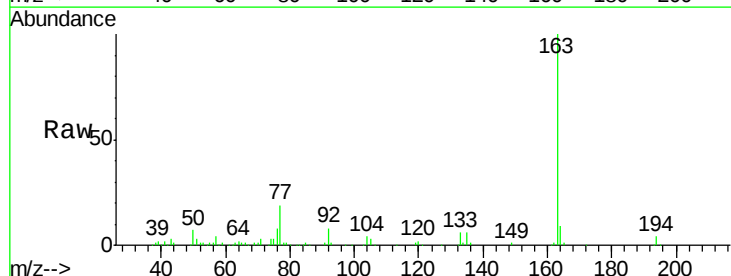


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

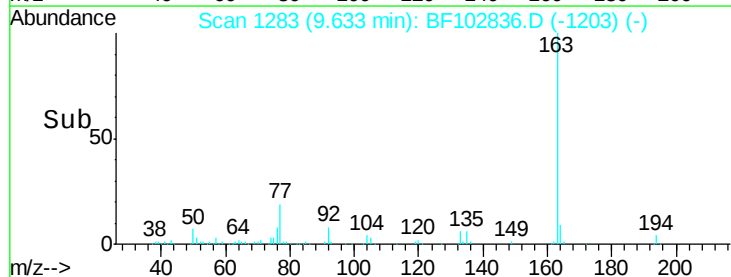
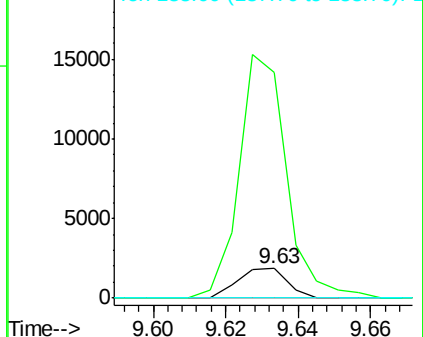


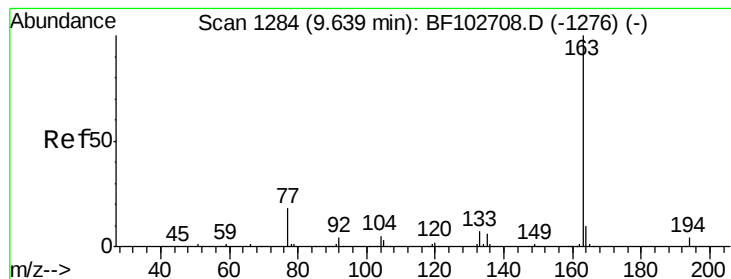
#47
2-Nitroaniline
Concen: 3.76 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.17 min
Lab File: BF102836.D
Acq: 8 Feb 2018 1:17

Tgt Ion: 65 Resp: 1773
Ion Ratio Lower Upper
65 100
92 764.5 55.8 83.6#
138 0.0 91.2 136.8#



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





#49

Dimethylphthalate

Concen: 8.06 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

Instrument :

BNA_F

ClientSampled :

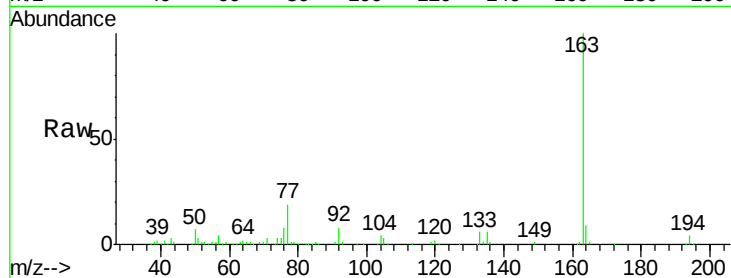
Tot Ion:163 Resp: 175426

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

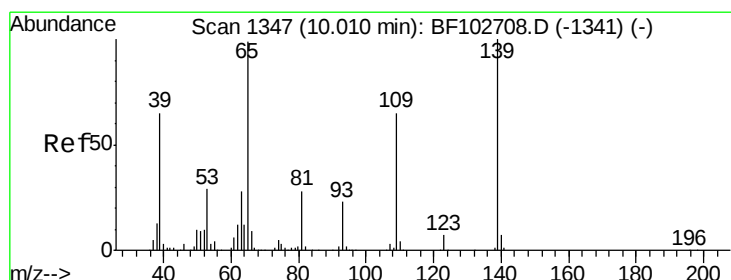
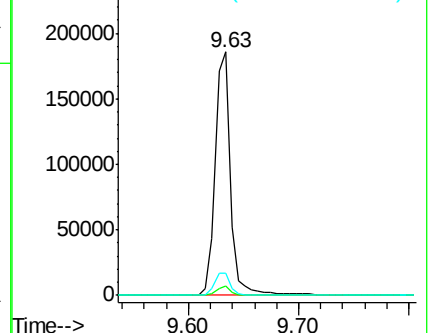
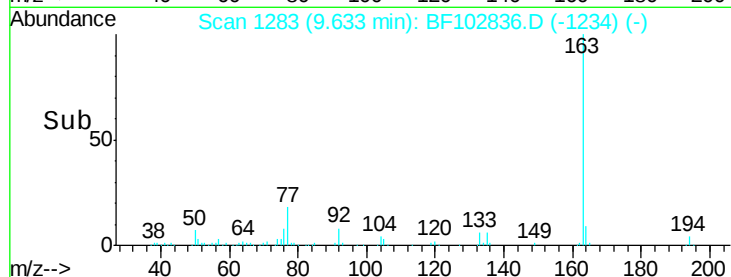
164 9.1 8.2 12.2



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



#55

4-Nitrophenol

Concen: 4.05 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.11 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

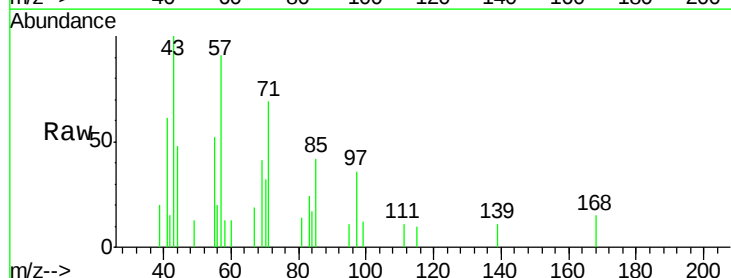
Tgt Ion:139 Resp: 120

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

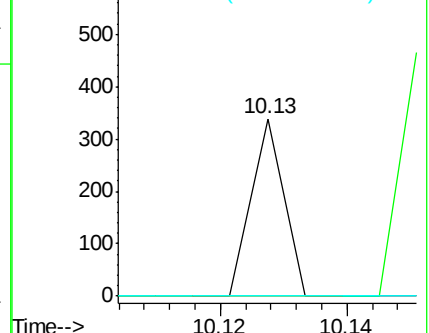
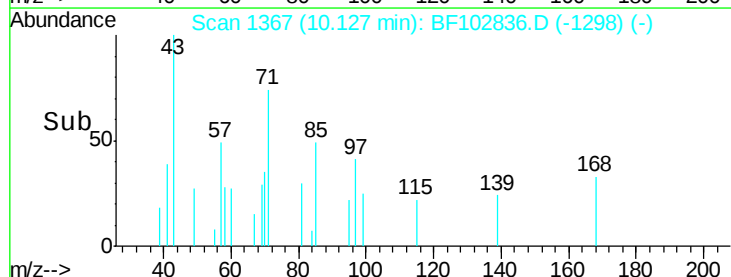
65 0.0 72.6 112.6#

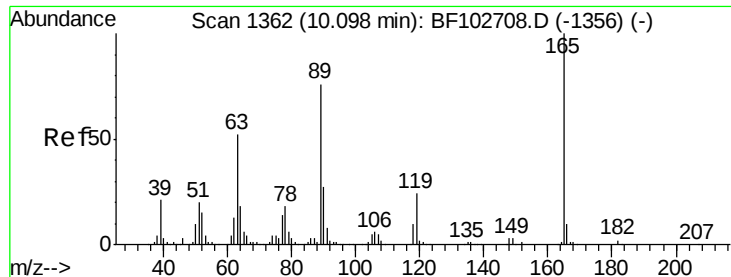


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

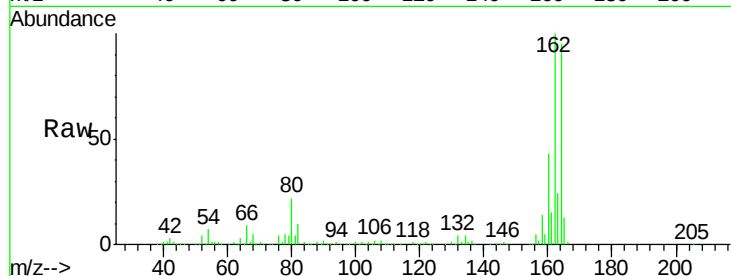




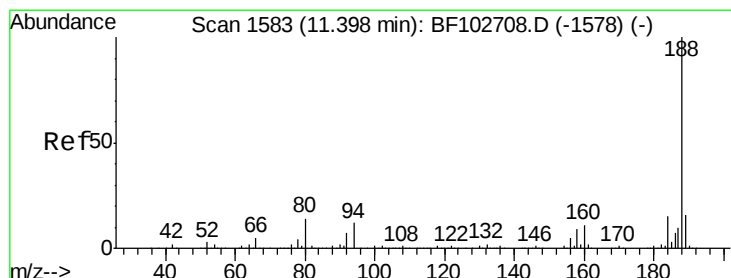
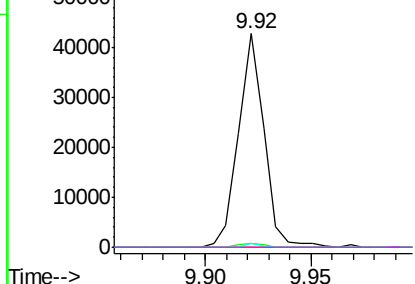
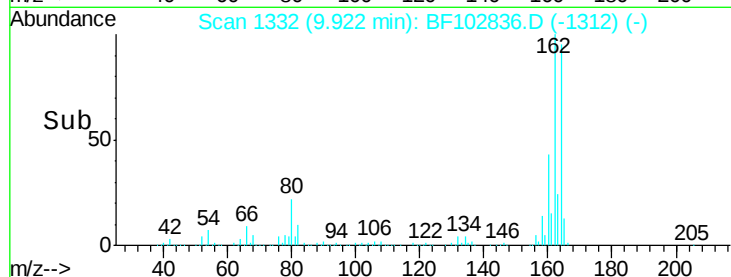
#56
 2,4-Dinitrotoluene
 Concen: 9.10 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 35718
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#

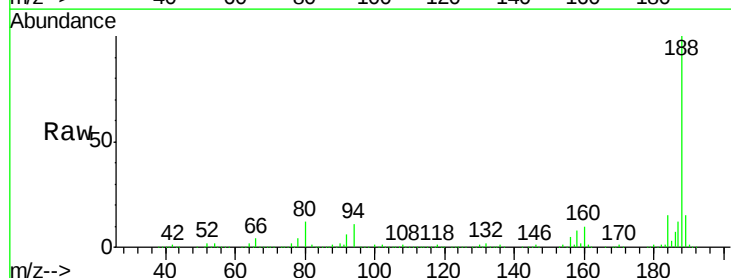


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

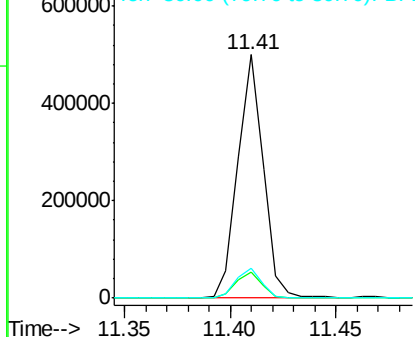
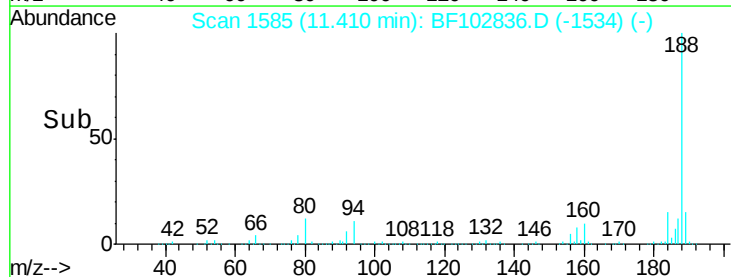


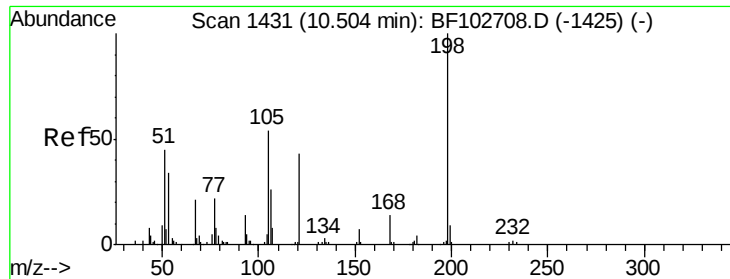
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Tgt Ion:188 Resp: 416698
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 12.2 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

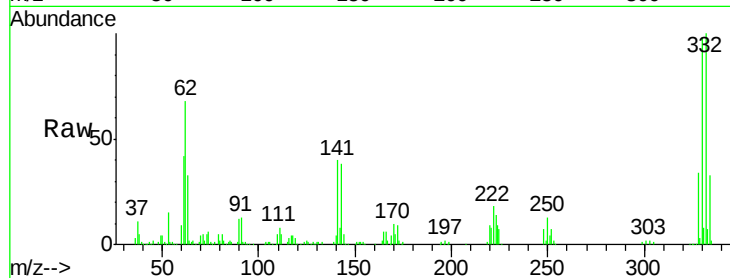




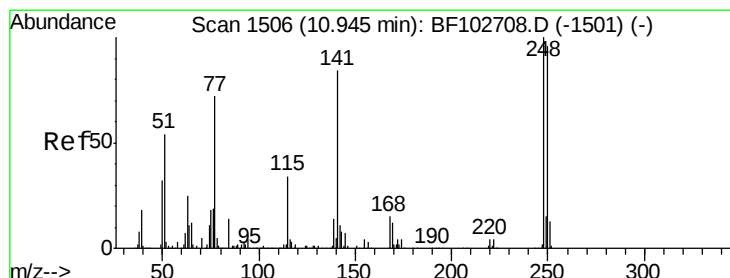
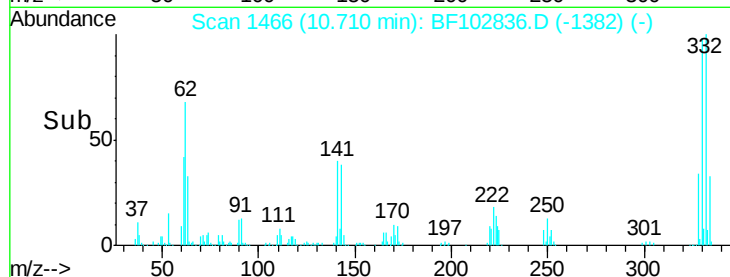
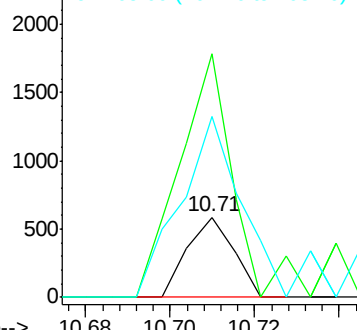
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.03 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 448
 Ion Ratio Lower Upper
 198 100
 51 305.0 37.7 77.7#
 105 226.2 36.3 76.3#

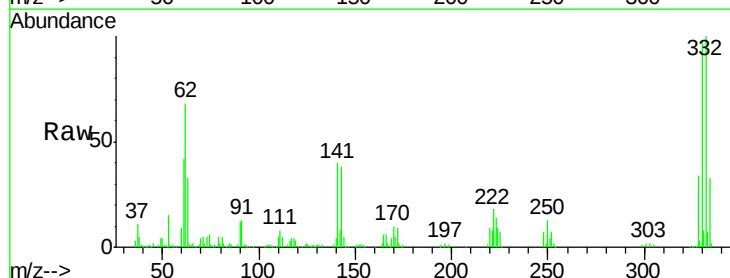


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

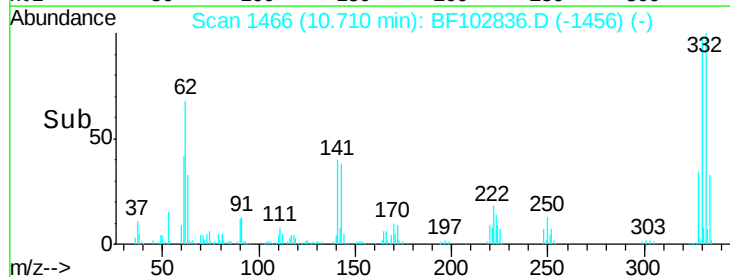
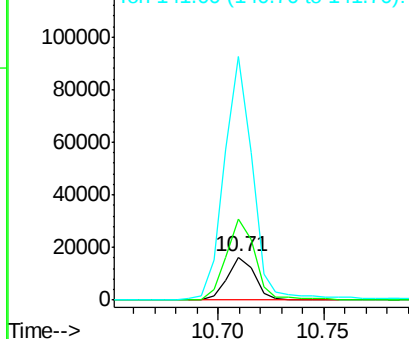


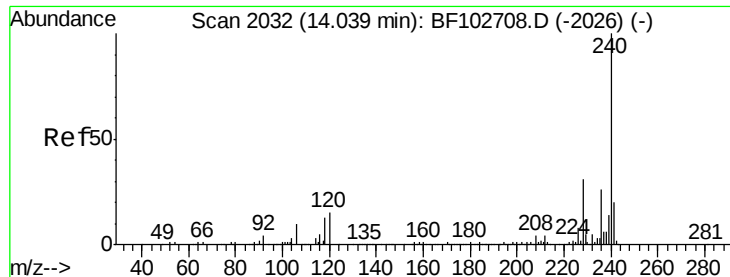
#66
 4-Bromophenyl-phenylether
 Concen: 3.35 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Tgt Ion:248 Resp: 14756
 Ion Ratio Lower Upper
 248 100
 250 190.9 76.9 115.3#
 141 571.1 74.4 111.6#



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

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

Instrument :

BNA_F

ClientSampleId :

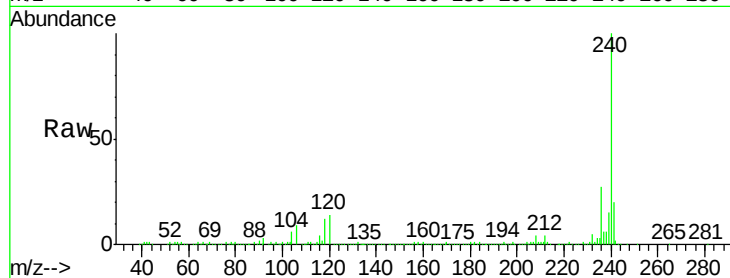
Tot Ion:240 Resp: 359901

Ion Ratio Lower Upper

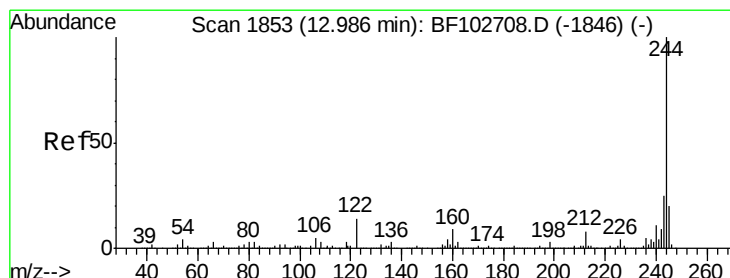
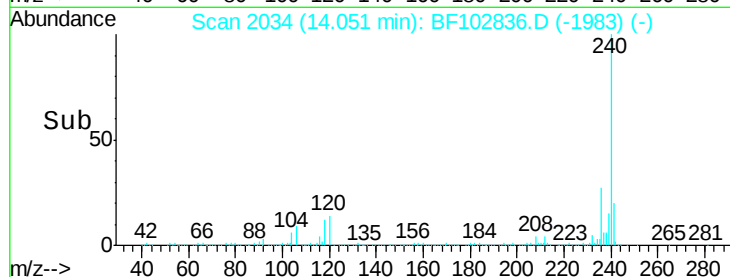
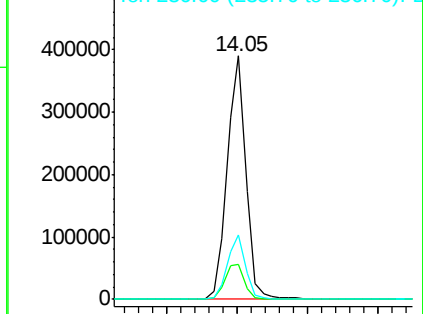
240 100

120 14.2 9.5 14.3

236 26.6 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: 65.31 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102836.D

Acq: 8 Feb 2018 1:17

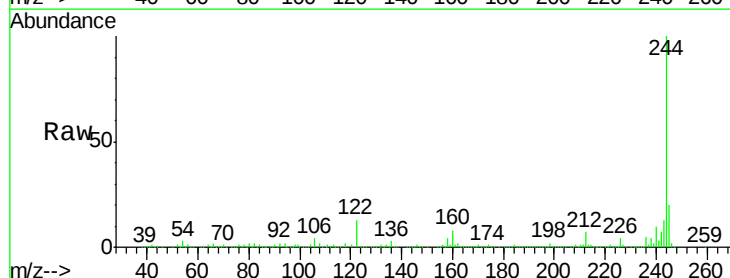
Tgt Ion:244 Resp: 992778

Ion Ratio Lower Upper

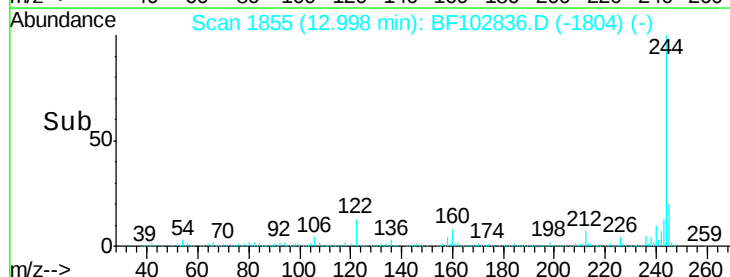
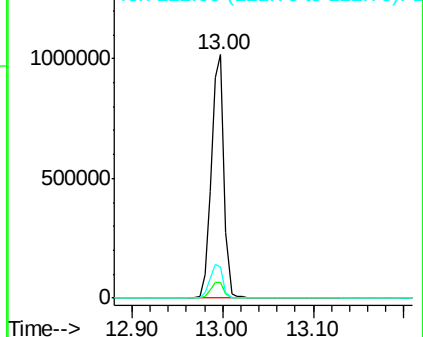
244 100

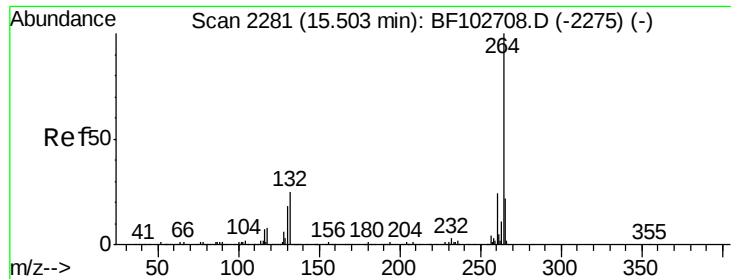
212 6.6 5.4 8.0

122 12.9 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
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF102836.D
 Acq: 8 Feb 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 272141
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.2 17.5 26.3

