

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102857.D
 Acq On : 8 Feb 2018 15:45
 Operator : SJ/JU
 Sample : J1469-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 18:14:03 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	199453	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	827465	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	335614	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	470916	20.00	ng	0.00
75) Chrysene-d12	14.05	240	361380	20.00	ng	0.00
86) Perylene-d12	15.54	264	313684	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1288159	98.08	ng	0.02
7) Phenol-d6	6.52	99	1524976	96.43	ng	0.01
23) Nitrobenzene-d5	7.45	82	997896	83.66	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	216785	80.25	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1213655	60.01	ng	0.00
78) Terphenyl-d14	13.00	244	704503	46.16	ng	0.00

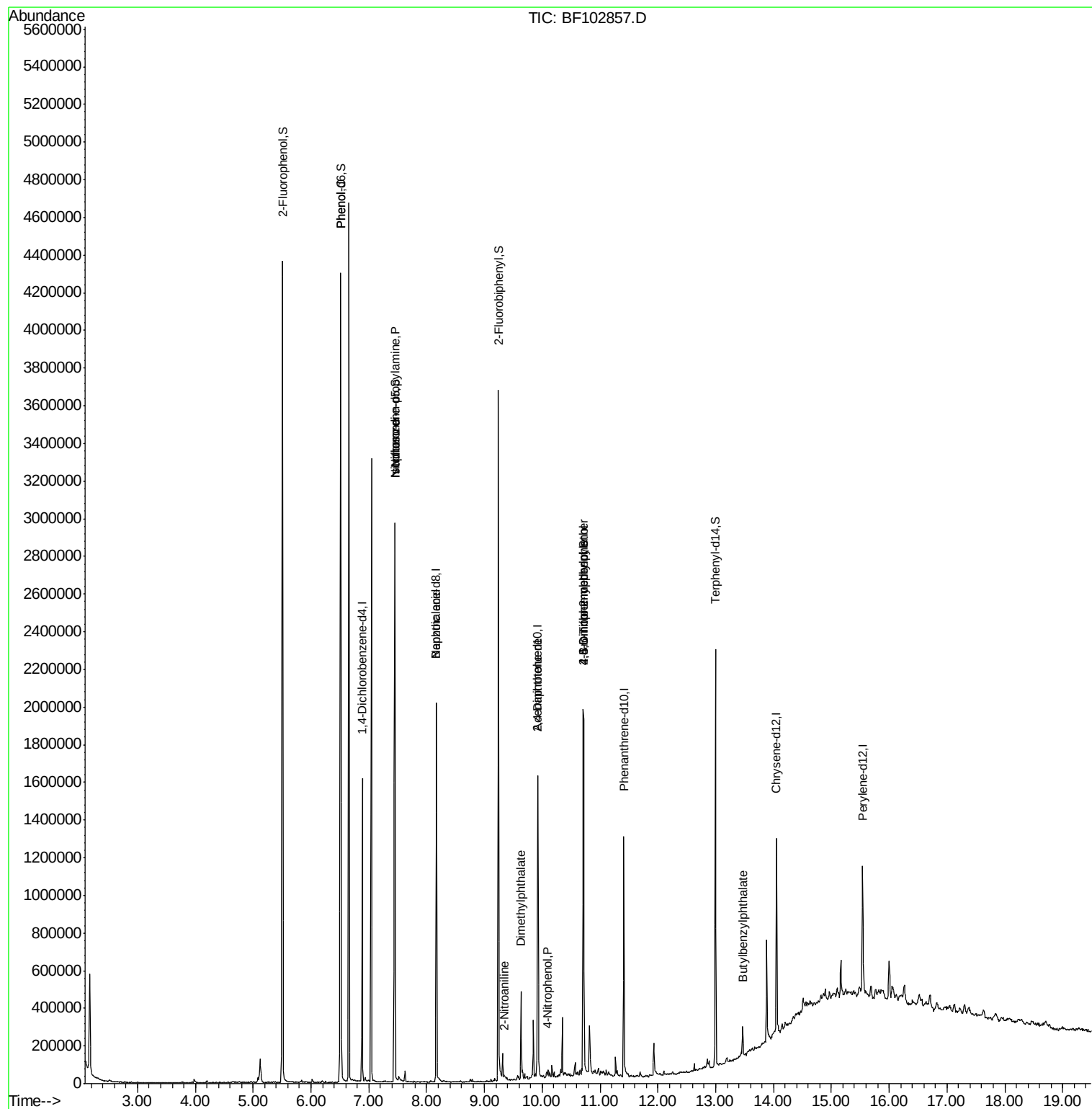
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	39532	2.333	ng	# 45
19) n-Nitroso-di-n-propylamine	7.45	70	136398	13.082	ng	# 83
25) Isophorone	7.45	82	997884	36.331	ng	# 64
32) Benzoic acid	8.17	122	108	8.556	ng	# 1
47) 2-Nitroaniline	9.34	65	107	3.487	ng	# 2
49) Dimethylphthalate	9.63	163	157536	6.020	ng	99
55) 4-Nitrophenol	10.09	139	125	4.047	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	43472	9.169	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	416	8.989	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	14915	2.994	ng	# 1
79) Butylbenzylphthalate	13.47	149	24949	2.826	ng	95

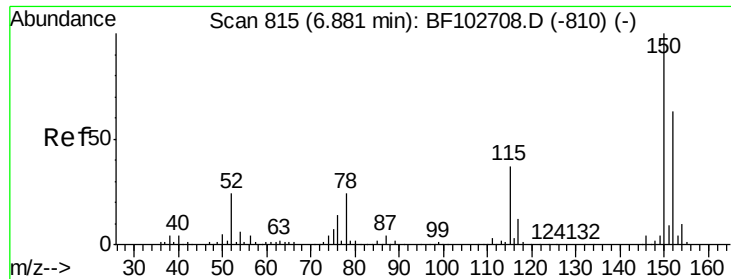
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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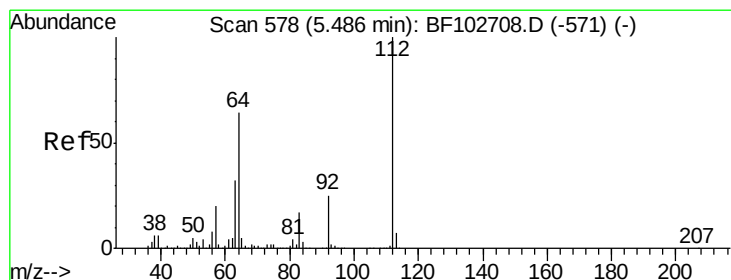
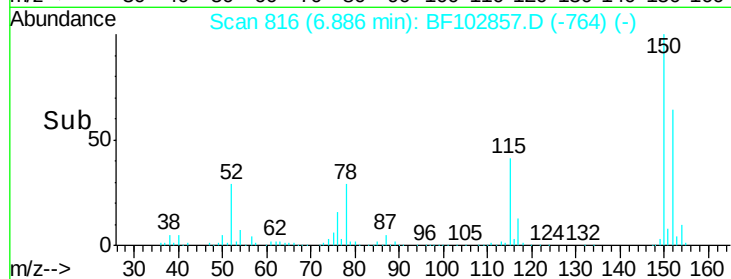
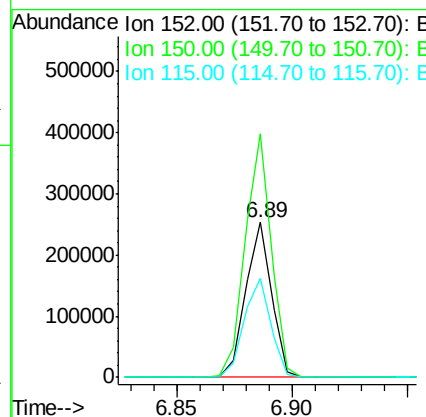
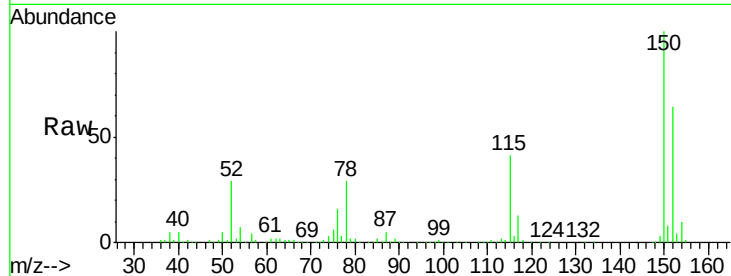


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Instrument :
BNA_F
ClientSampleId :

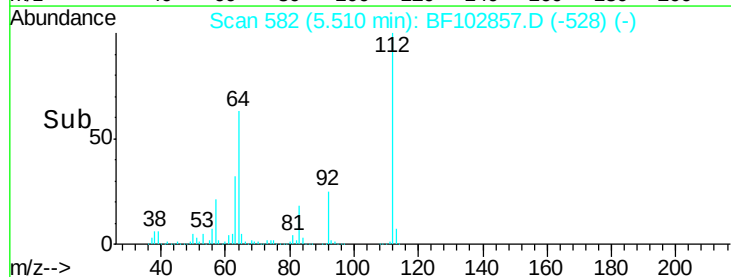
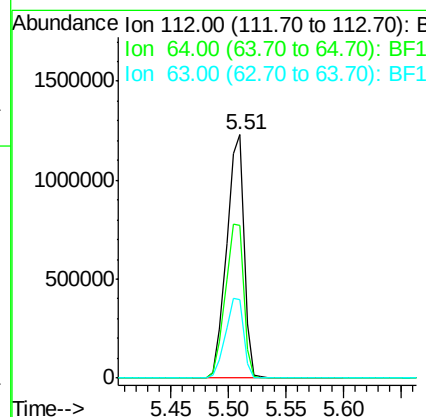
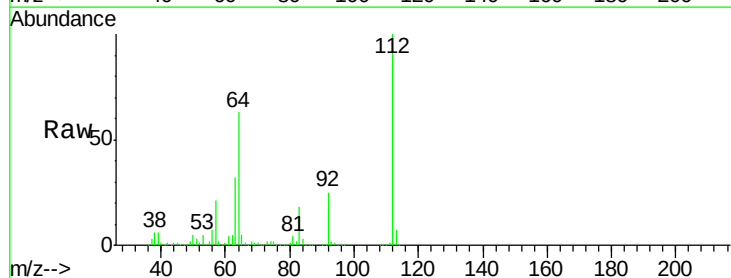
Tot Ion:152 Resp: 199453
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 64.1 50.1 75.1

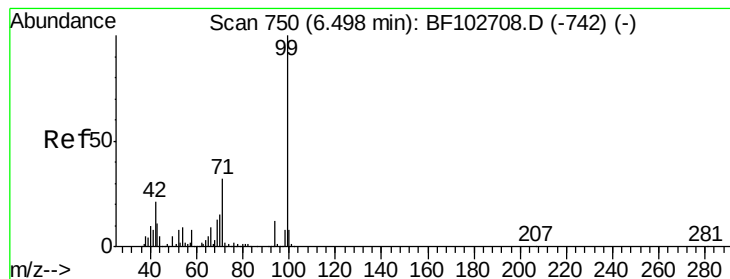


#5

2-Fluorophenol
Concen: 98.082 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Tgt Ion:112 Resp: 1288159
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 32.5 23.7 35.5





#7

Phenol-d6

Concen: 96.435 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampleId :

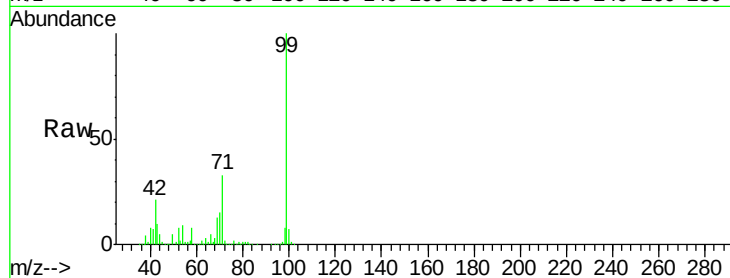
Tot Ion: 99 Resp: 1524976

Ion Ratio Lower Upper

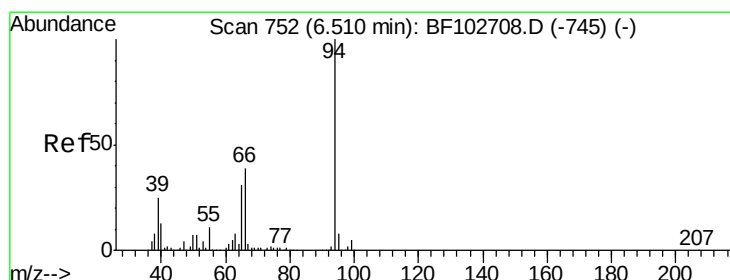
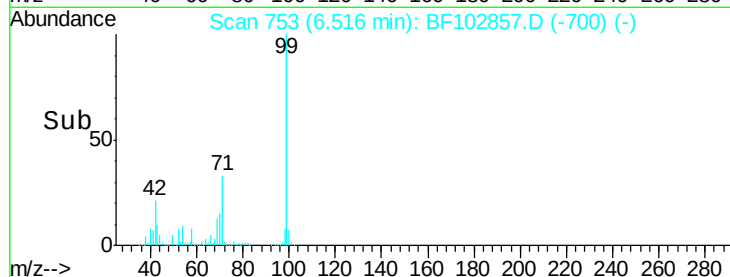
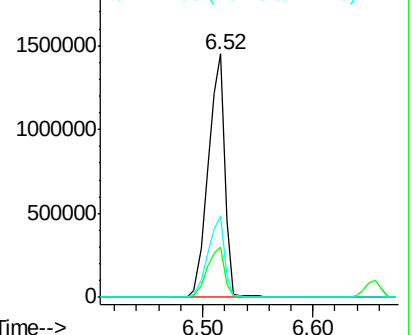
99 100

42 20.8 14.5 21.7

71 33.1 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



#10

Phenol

Concen: 2.333 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

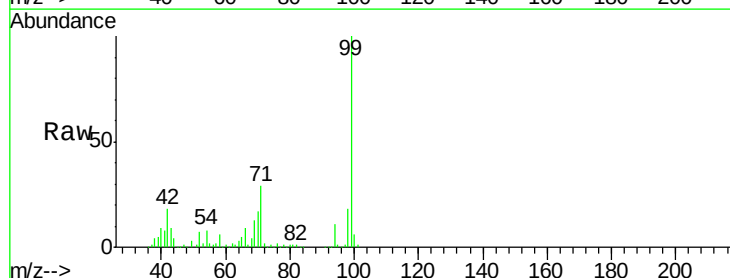
Tgt Ion: 94 Resp: 39532

Ion Ratio Lower Upper

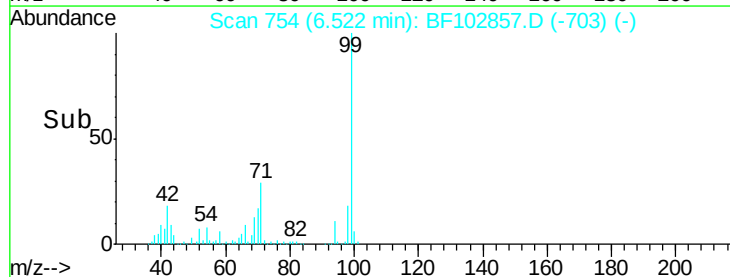
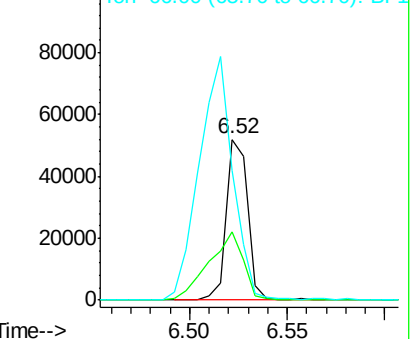
94 100

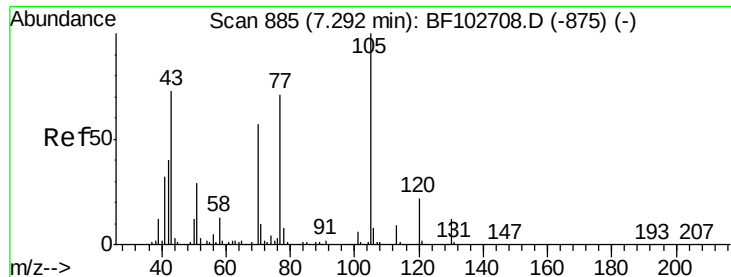
65 42.6 7.9 47.9

66 80.9 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

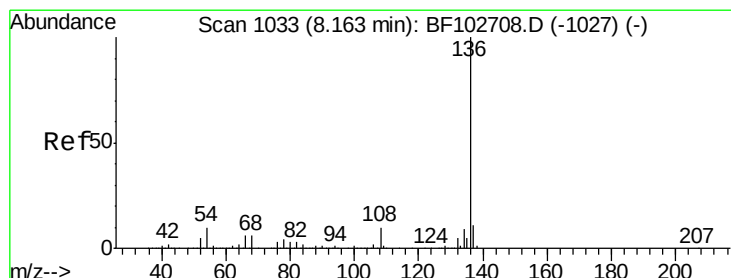
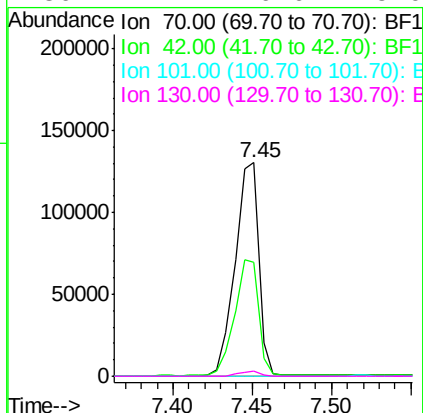
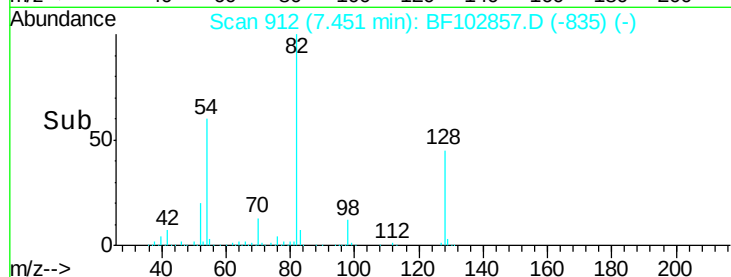
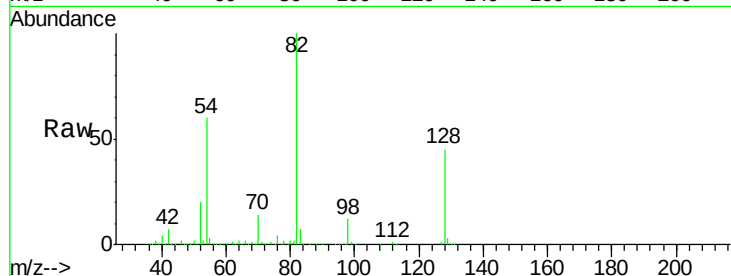




#19
n-Nitroso-di-n-propylamine
Concen: 13.082 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.15 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

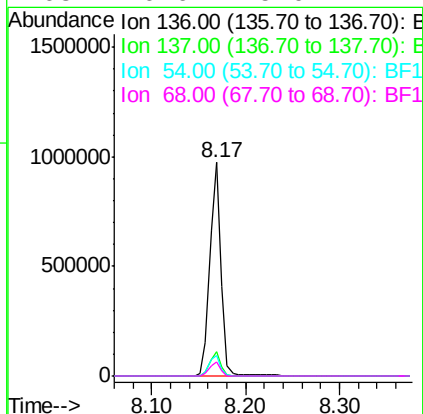
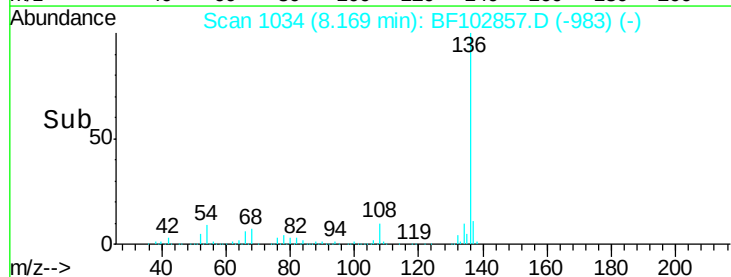
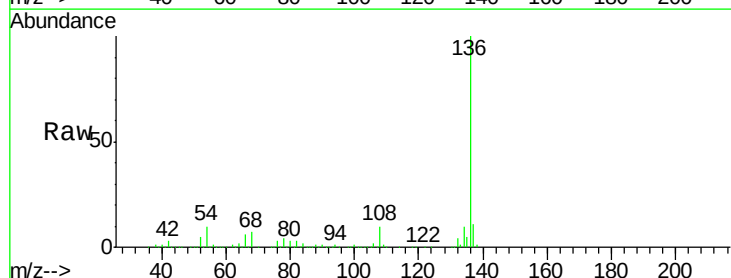
Instrument :
BNA_F
ClientSampleId :

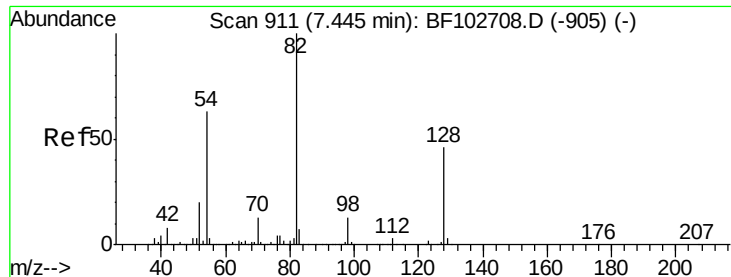
Tot Ion: 70 Resp: 136398
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Tgt Ion:136 Resp: 827465
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.5 6.6 9.8
68 6.6 5.0 7.4

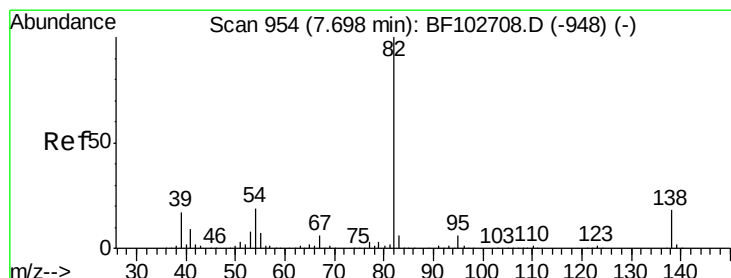
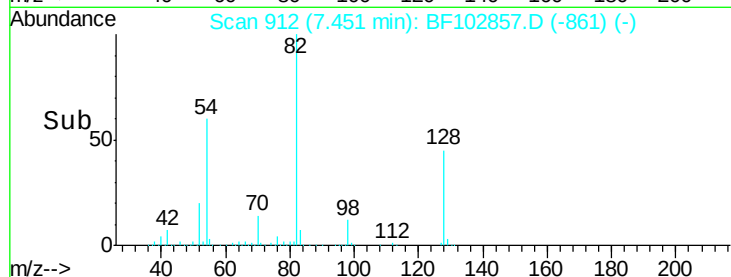
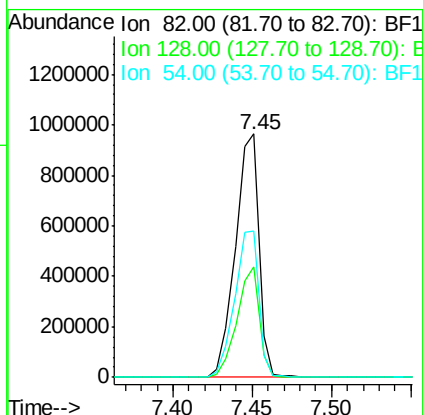
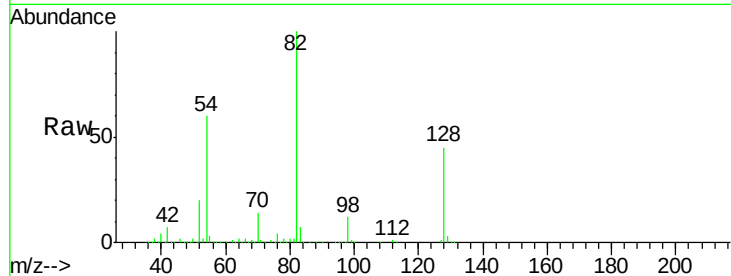




#23
Nitrobenzene-d5
Concen: 83.659 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

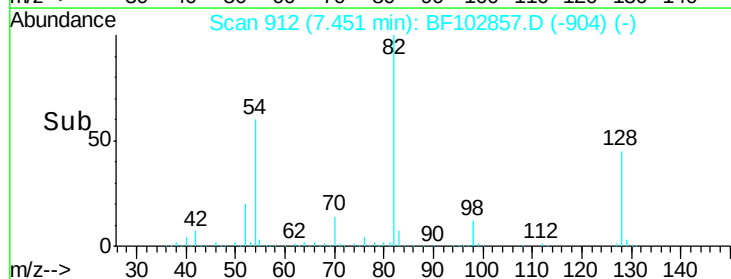
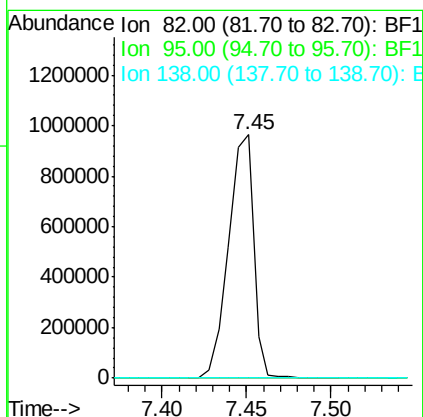
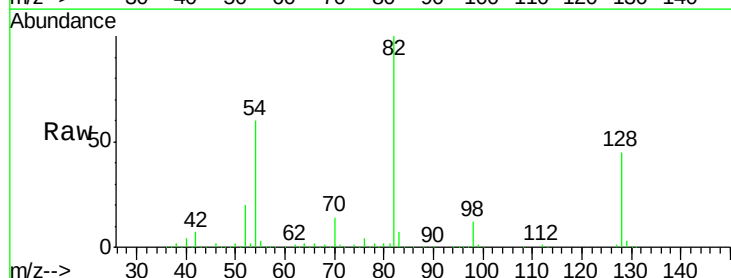
Instrument :
BNA_F
ClientSampleId :

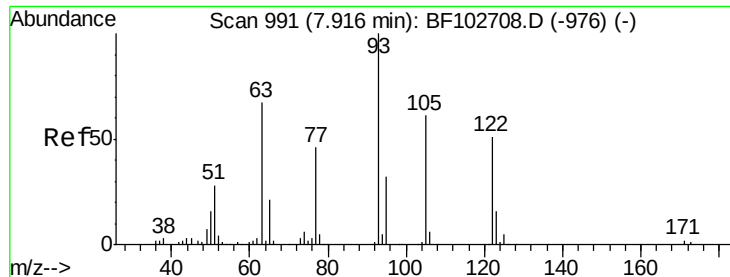
Tot Ion: 82 Resp: 997896
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 60.4 41.4 62.2



#25
Isophorone
Concen: 36.331 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.25 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Tgt Ion: 82 Resp: 997884
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 8.556 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.24 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampleId :

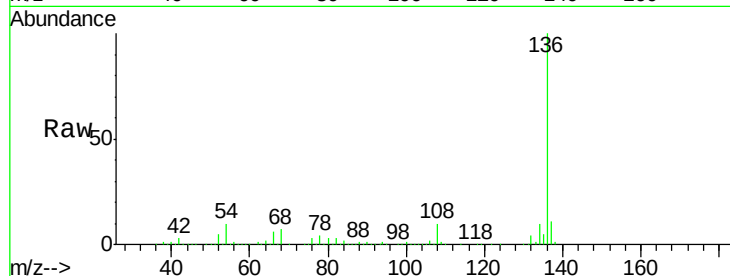
Tot Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 278.7 101.1 141.1#

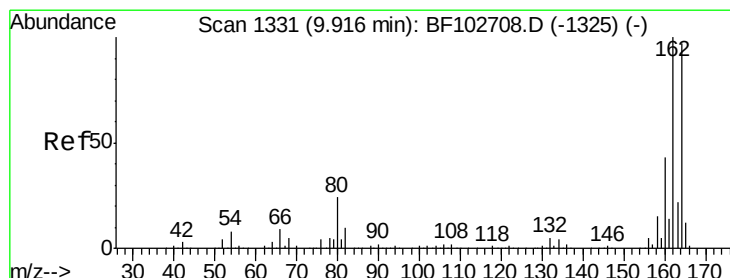
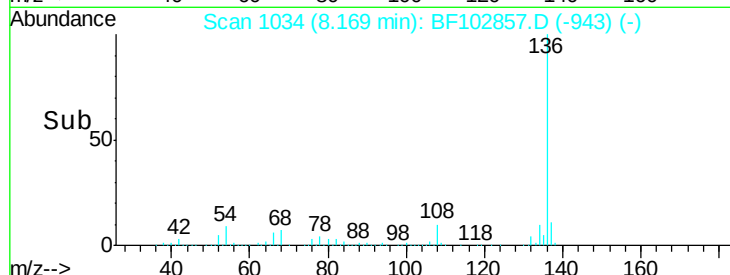
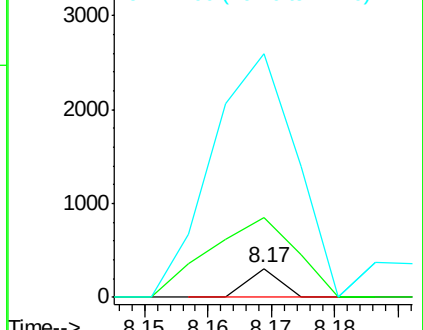
77 851.1 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

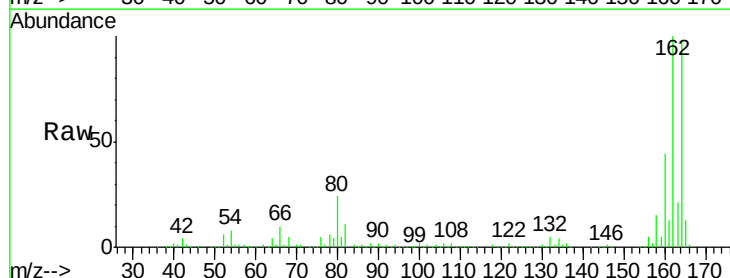
Tgt Ion:164 Resp: 335614

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

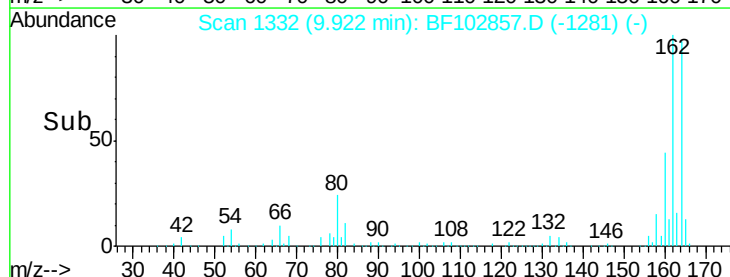
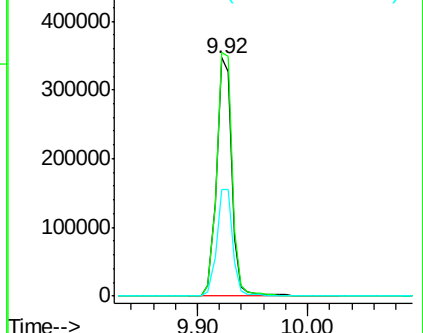
160 44.5 38.3 57.5

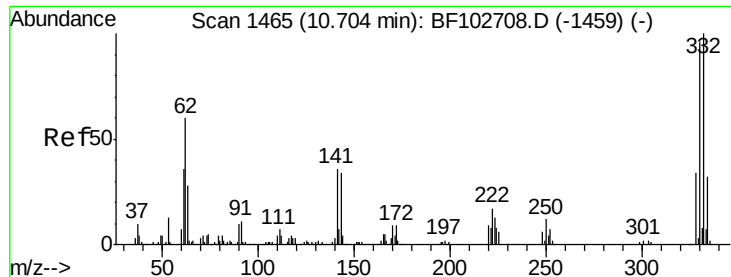


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 80.252 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampleId :

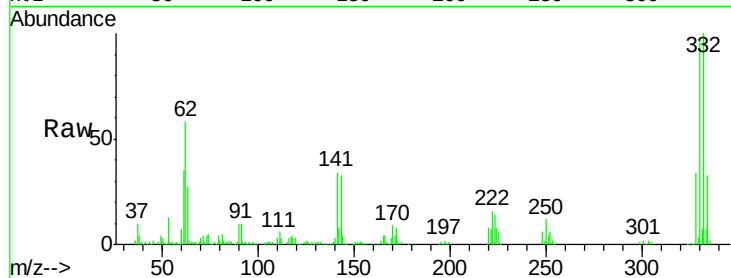
Tot Ion:330 Resp: 216785

Ion Ratio Lower Upper

330 100

332 103.2 77.0 115.6

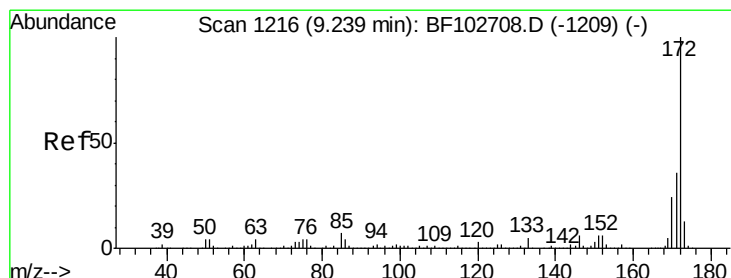
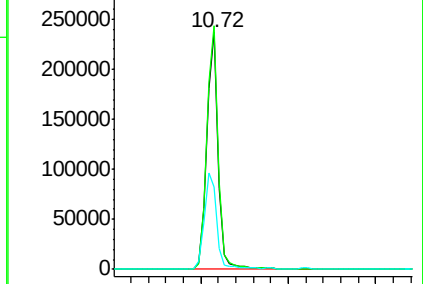
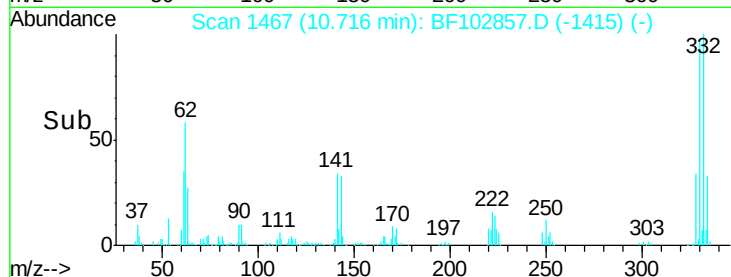
141 45.2 29.9 44.9#



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: 60.006 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

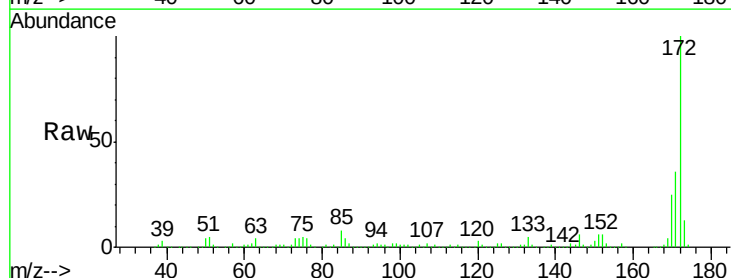
Tgt Ion:172 Resp: 1213655

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

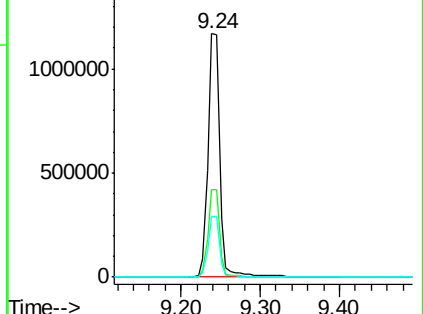
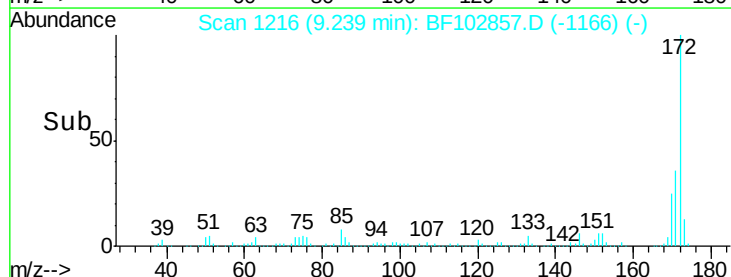
170 24.8 19.6 29.4

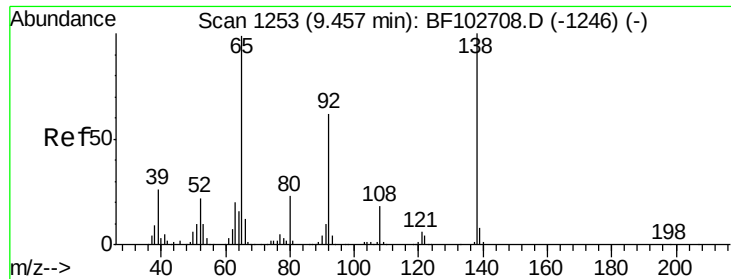


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.487 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.12 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampled :

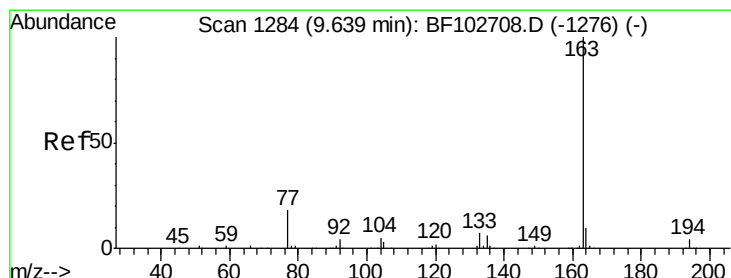
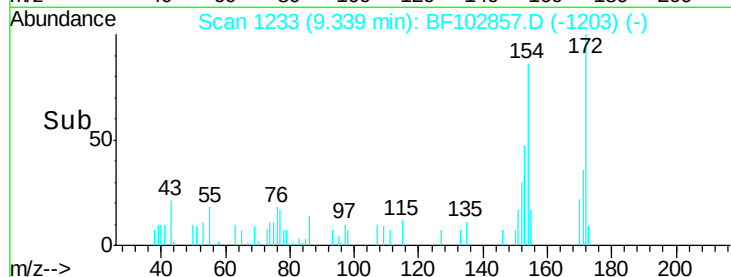
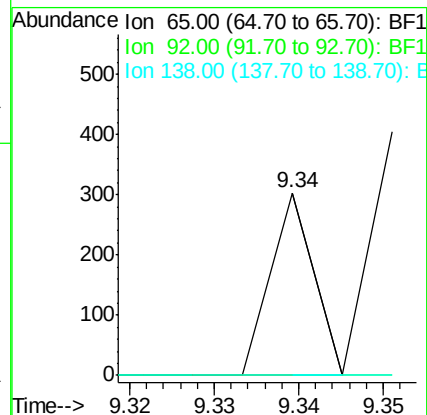
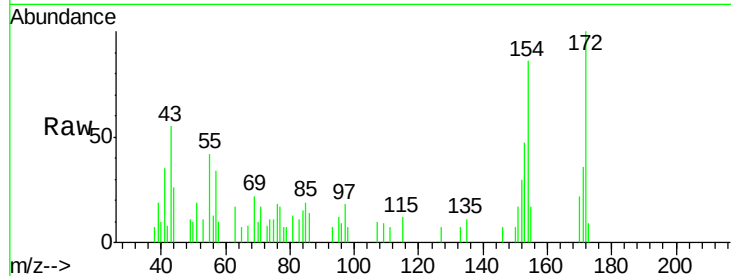
Tot Ion: 65 Resp: 107

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 6.020 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

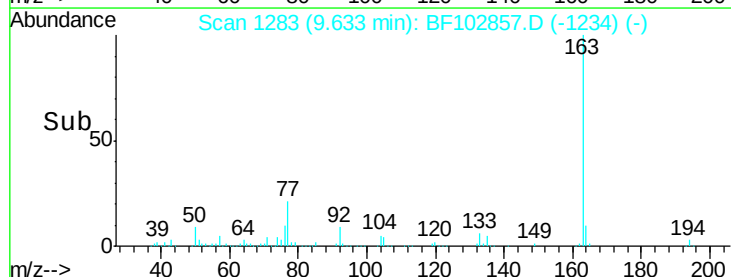
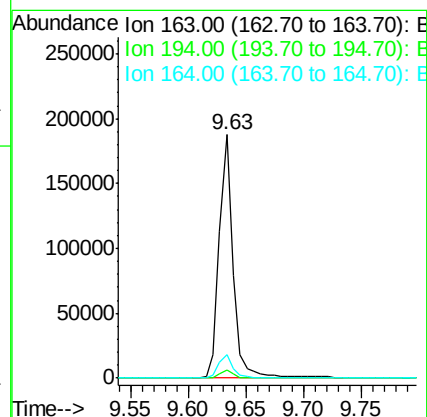
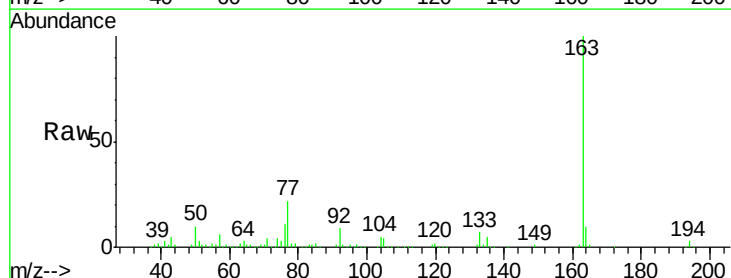
Tgt Ion:163 Resp: 157536

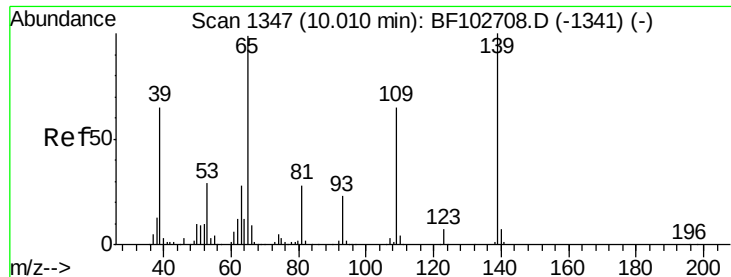
Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

164 9.9 8.2 12.2

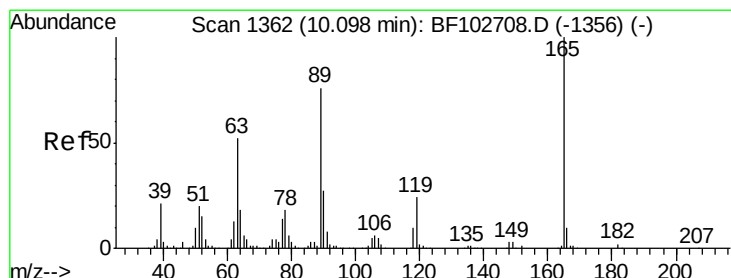
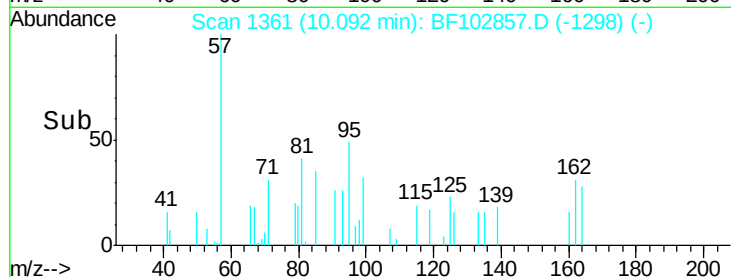
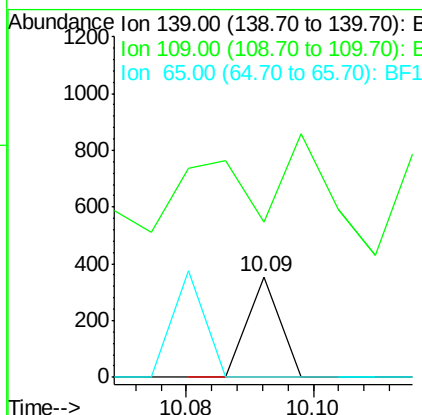
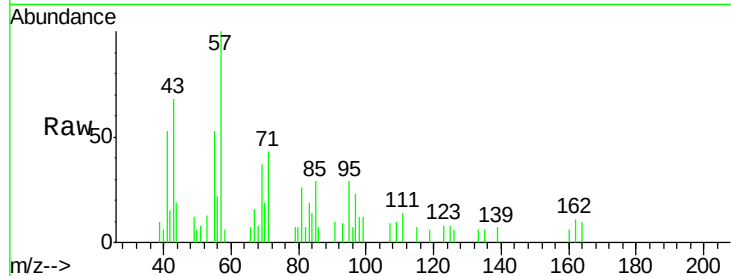




#55
4-Nitrophenol
Concen: 4.047 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.07 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

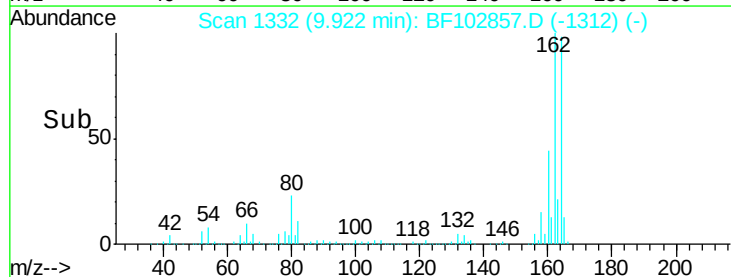
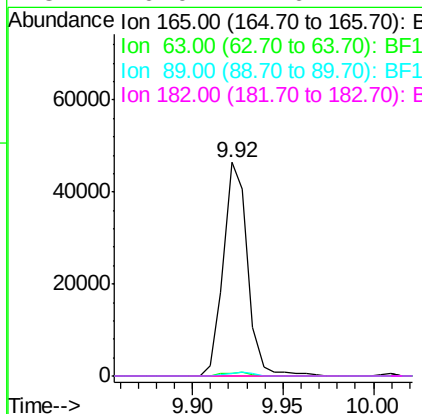
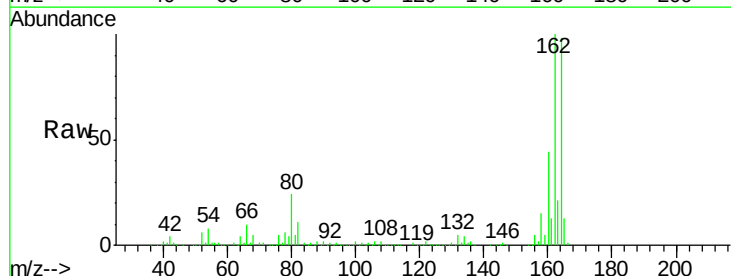
Instrument :
BNA_F
ClientSampled :

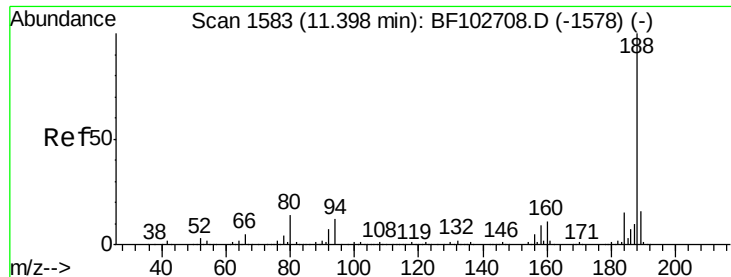
Tot Ion:139 Resp: 125
Ion Ratio Lower Upper
139 100
109 154.5 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.169 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Tgt Ion:165 Resp: 43472
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.1 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampleId :

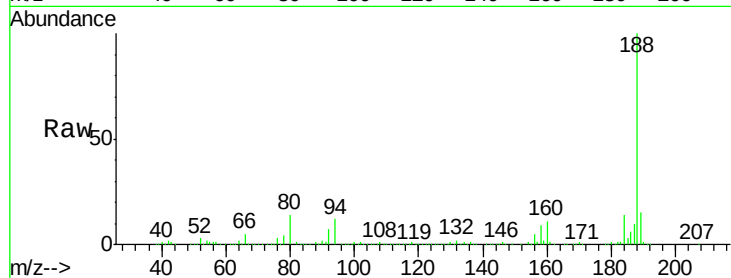
Tot Ion:188 Resp: 470916

Ion Ratio Lower Upper

188 100

94 12.3 8.5 12.7

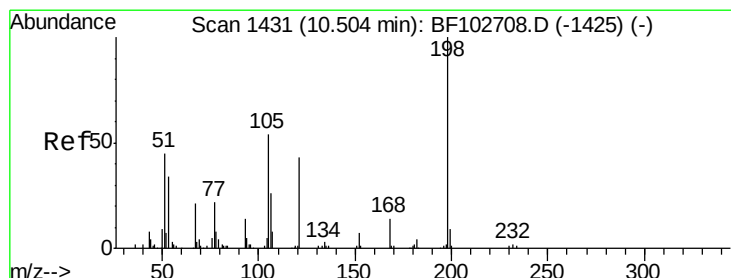
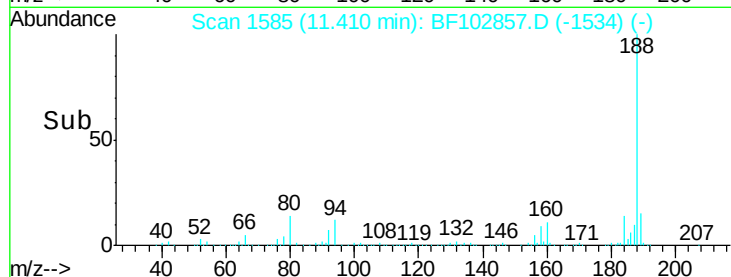
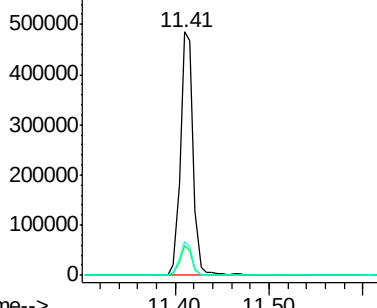
80 13.9 9.2 13.8#



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: 8.989 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

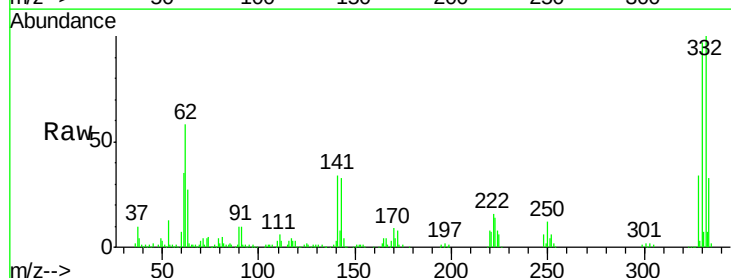
Tgt Ion:198 Resp: 416

Ion Ratio Lower Upper

198 100

51 224.6 37.7 77.7#

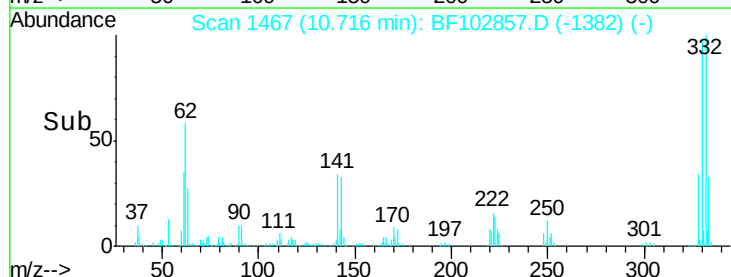
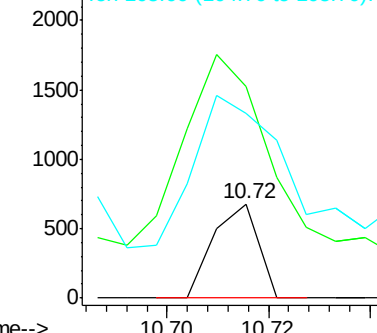
105 196.3 36.3 76.3#

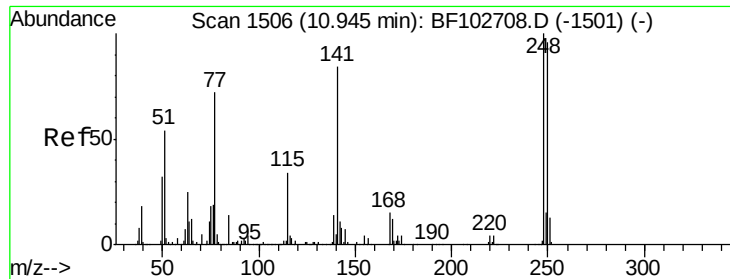


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

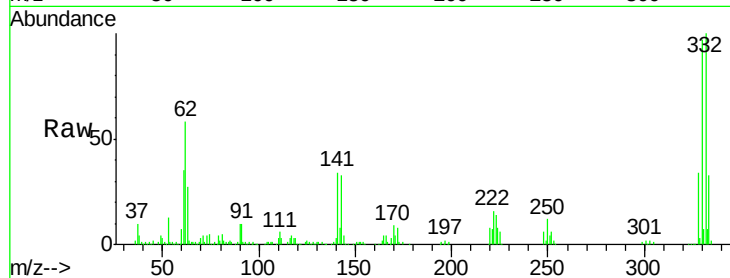




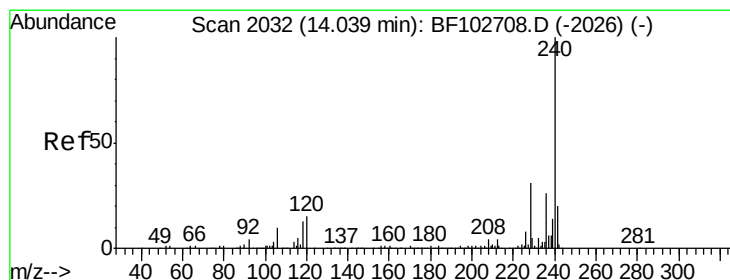
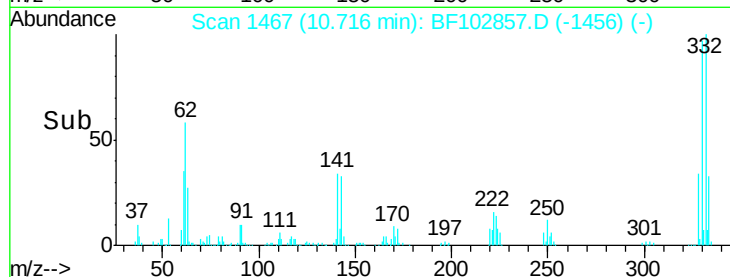
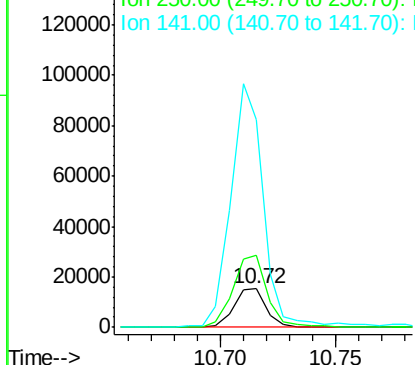
#66
 4-Bromophenyl-phenylether
 Concen: 2.994 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102857.D
 Acq: 8 Feb 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14915
 Ion Ratio Lower Upper
 248 100
 250 188.6 76.9 115.3#
 141 541.0 74.4 111.6#

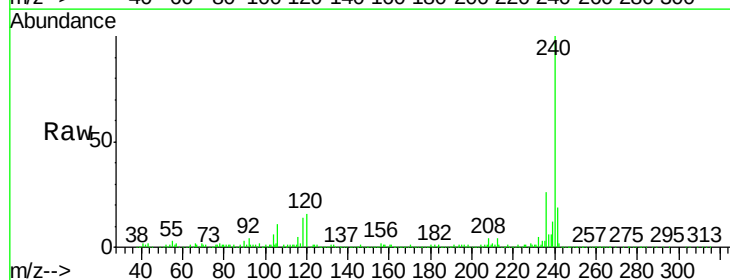


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

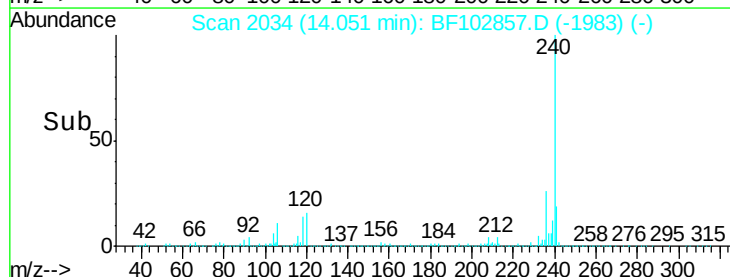
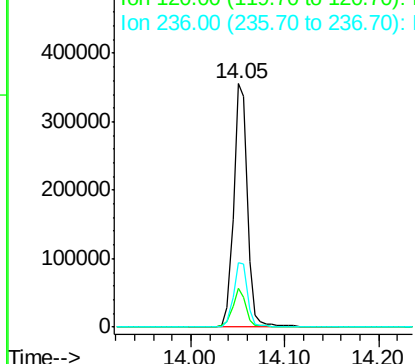


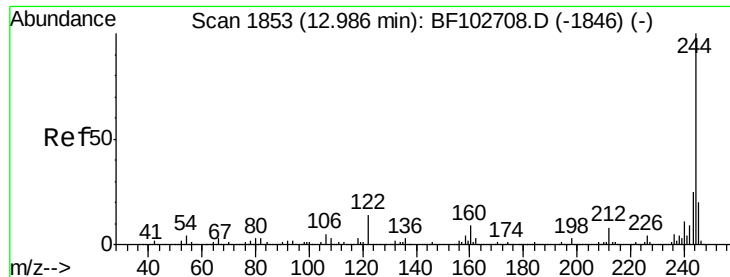
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF102857.D
 Acq: 8 Feb 2018 15:45

Tgt Ion:240 Resp: 361380
 Ion Ratio Lower Upper
 240 100
 120 16.1 9.5 14.3#
 236 26.5 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: 46.159 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

Instrument :

BNA_F

ClientSampled :

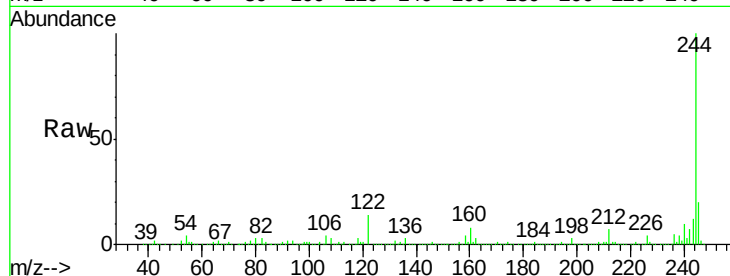
Tot Ion:244 Resp: 704503

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 13.7 11.0 16.4

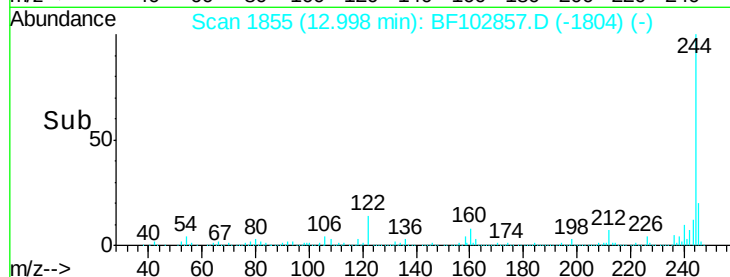


Abundance Ion 244.00 (243.70 to 244.70): E

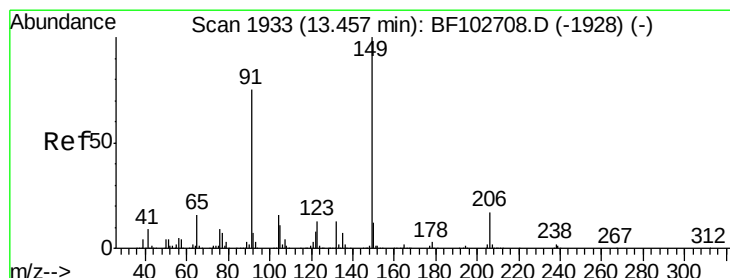
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.90 13.00 13.10



Time--> 12.90 13.00 13.10



#79

Butylbenzylphthalate

Concen: 2.826 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BF102857.D

Acq: 8 Feb 2018 15:45

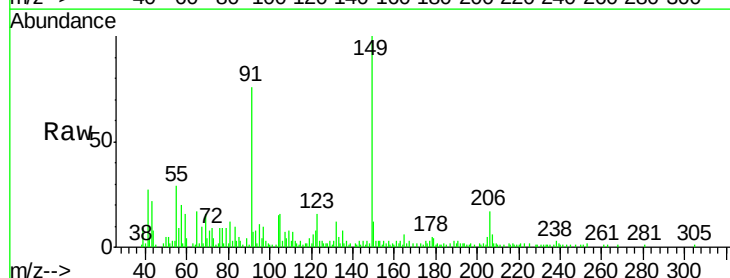
Tgt Ion:149 Resp: 24949

Ion Ratio Lower Upper

149 100

91 75.9 56.8 85.2

206 17.1 14.1 21.1

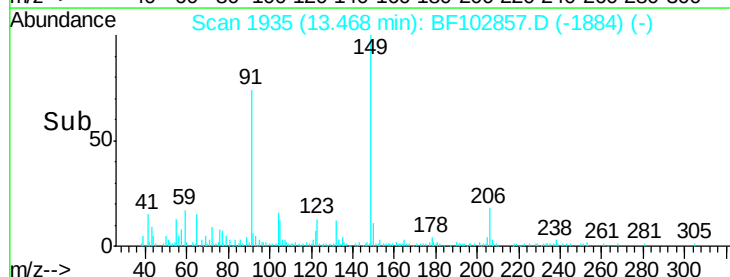


Abundance Ion 149.00 (148.70 to 149.70): E

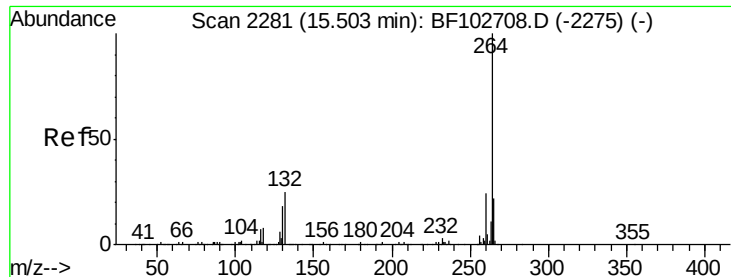
Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

Time--> 13.45 13.50



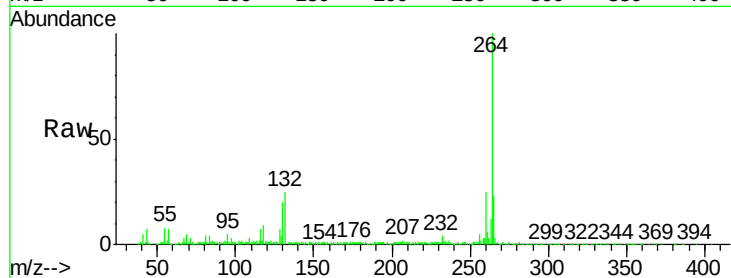
Time--> 13.45 13.50



#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102857.D
Acq: 8 Feb 2018 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.5	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

