

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102734.D
 Acq On : 5 Feb 2018 13:34
 Operator : SJ/JU
 Sample : J1424-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

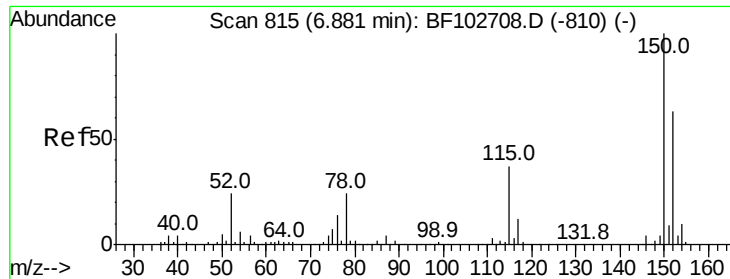
Quant Time: Feb 05 15:57:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	222562	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	903176	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	402232	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	634418	20.00	ng	0.00
75) Chrysene-d12	14.04	240	398975	20.00	ng	-0.01
86) Perylene-d12	15.52	264	384676	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1283149	87.56	ng	0.00
7) Phenol-d6	6.50	99	1576707	89.35	ng	0.00
23) Nitrobenzene-d5	7.45	82	982275	75.45	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	296515	91.59	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1490208	61.48	ng	0.00
78) Terphenyl-d14	12.99	244	1034573	61.40	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.65	77	28230	2.154	ng	81
10) Phenol	6.52	94	38270	2.024	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	133023	11.434	ng	# 80
25) Isophorone	7.45	82	982261	32.764	ng	# 64
32) Benzoic acid	7.93	122	275	8.573	ng	# 1
47) 2-Nitroaniline	9.45	65	110	3.485	ng	# 2
49) Dimethylphthalate	9.63	163	96203	3.067	ng	99
50) 2,6-Dinitrotoluene	9.92	165	52372	8.777	ng	# 25
55) 4-Nitrophenol	10.12	139	2202	4.371	ng	# 35
56) 2,4-Dinitrotoluene	9.92	165	52372	9.201	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	454	8.951	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19451	2.898	ng	# 1
77) Pvrene	12.84	202	66810	2.135	ng	98

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

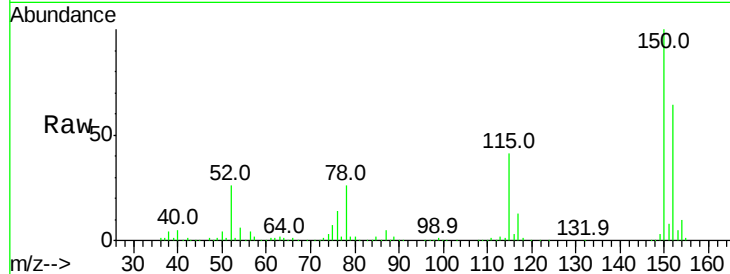


#1

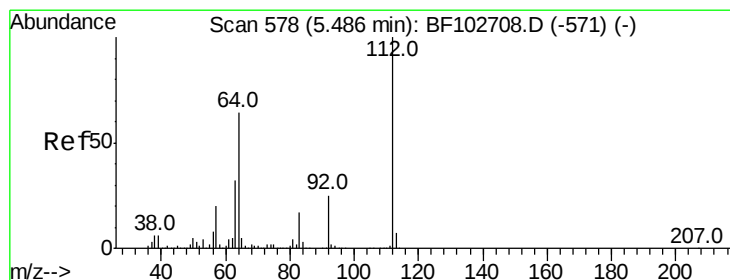
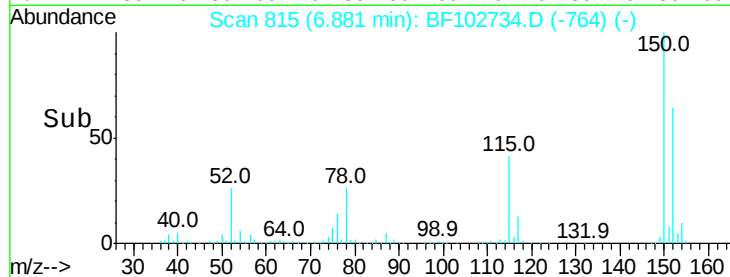
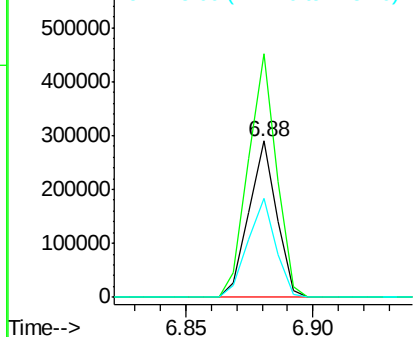
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 222562
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 63.4 50.1 75.1



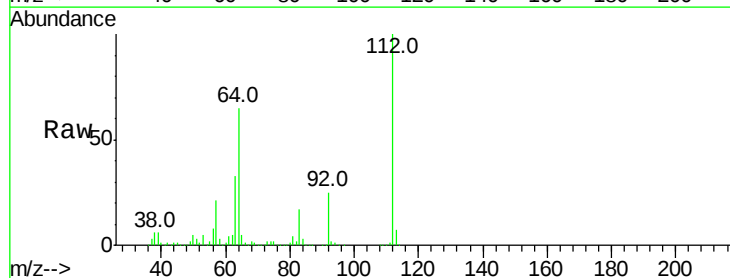
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



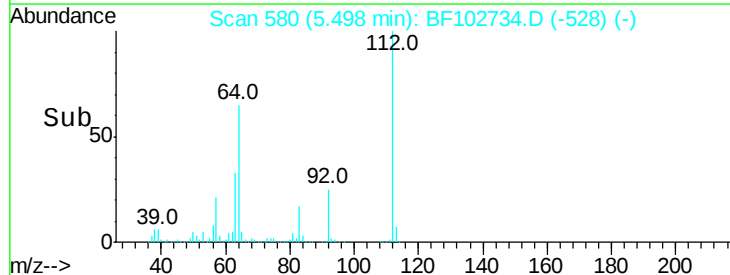
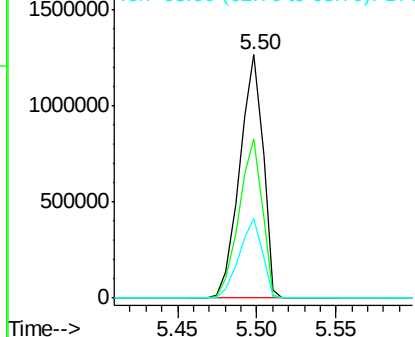
#5

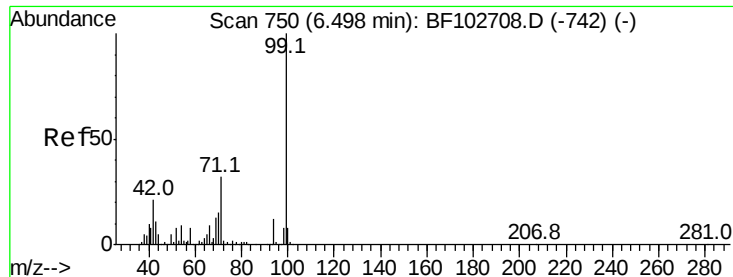
2-Fluorophenol
Concen: 87.557 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Tgt Ion:112 Resp: 1283149
Ion Ratio Lower Upper
112 100
64 65.3 47.9 71.9
63 32.7 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: 89.353 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

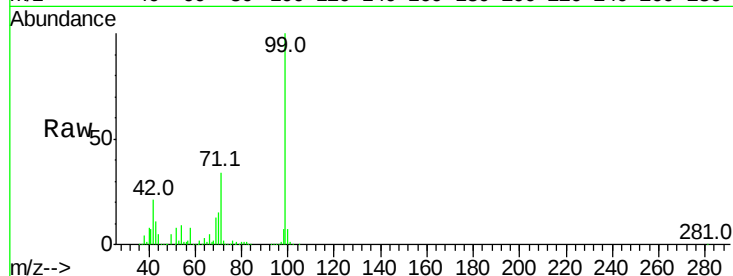
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1576707

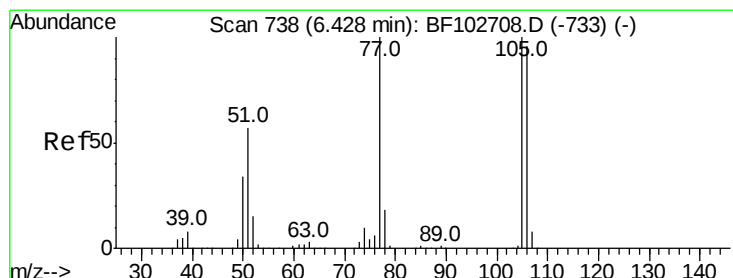
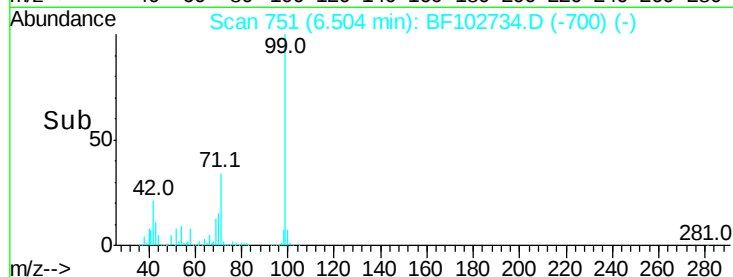
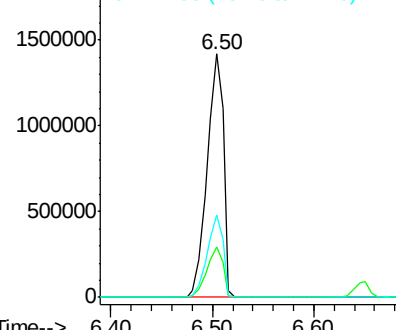
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	34.0	25.4	38.0



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



#9

Benzaldehyde

Concen: 2.154 ng

RT: 6.65 min Scan# 776

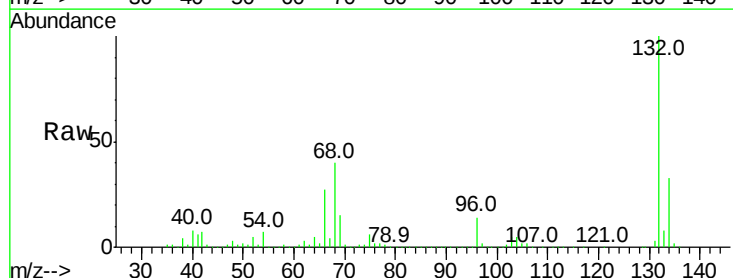
Delta R.T. 0.22 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Tgt Ion: 77 Resp: 28230

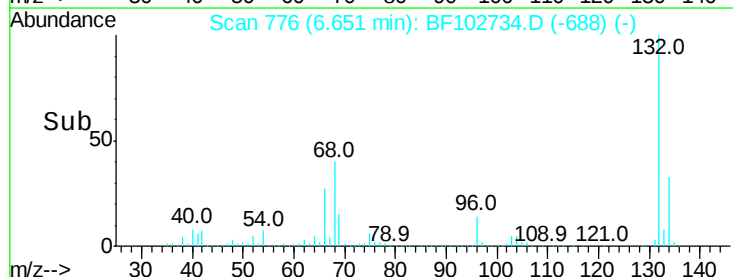
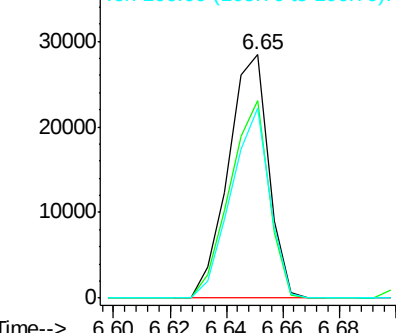
Ion	Ratio	Lower	Upper
77	100		
105	81.2	81.1	121.1
106	77.8	74.5	114.5

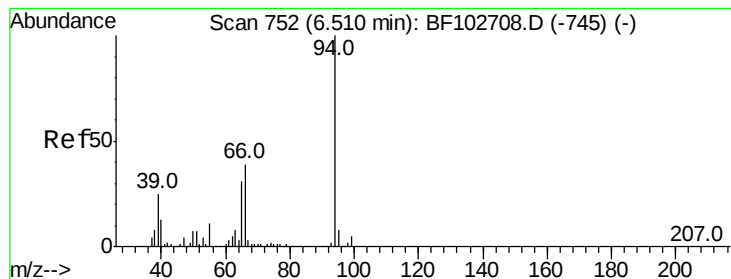


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.024 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Instrument :

BNA_F

ClientSampleId :

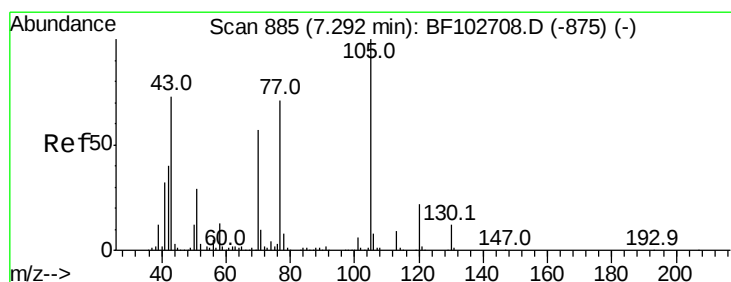
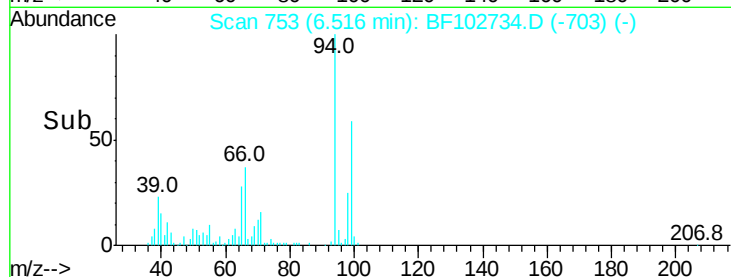
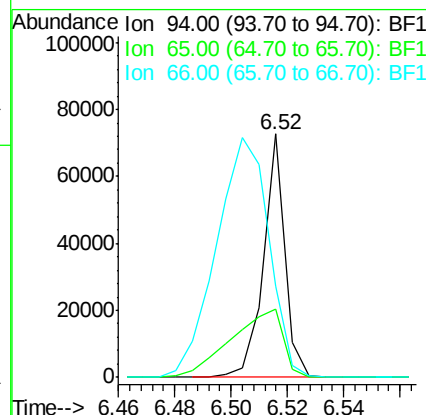
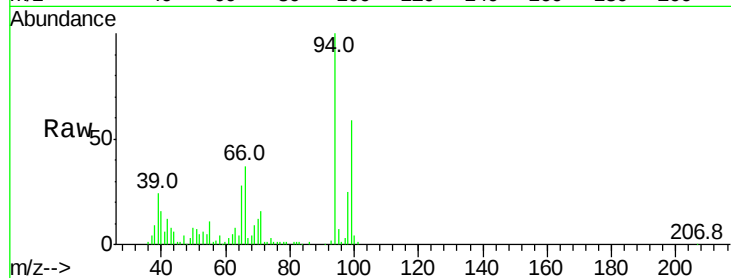
Tot Ion: 94 Resp: 38270

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 37.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.434 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Tgt Ion: 70 Resp: 133023

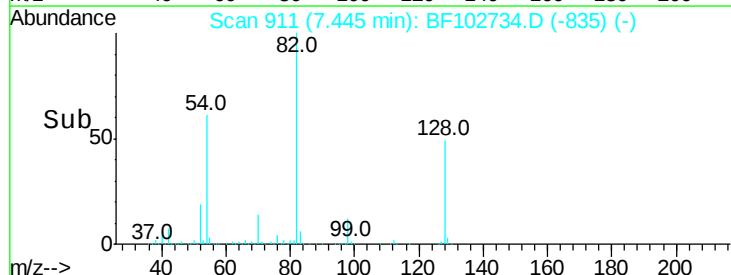
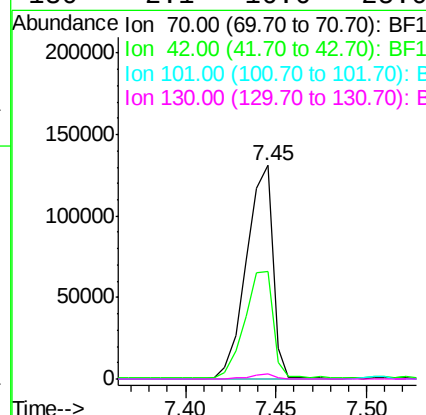
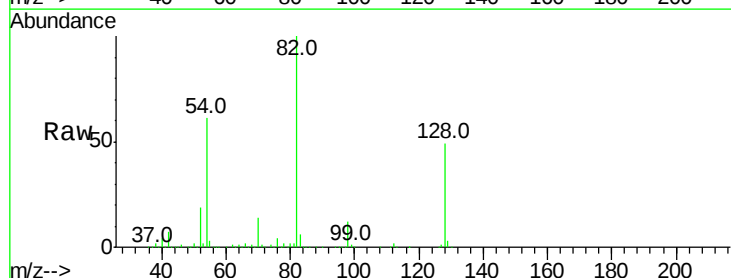
Ion Ratio Lower Upper

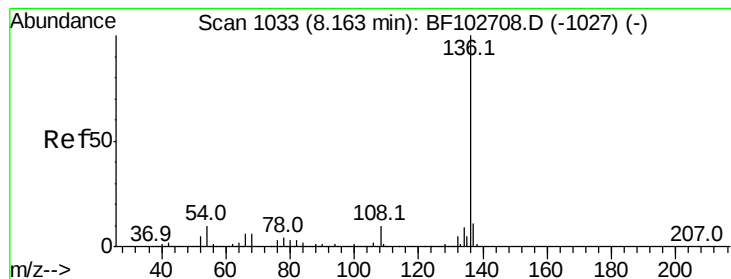
70 100

42 50.6 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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 903176

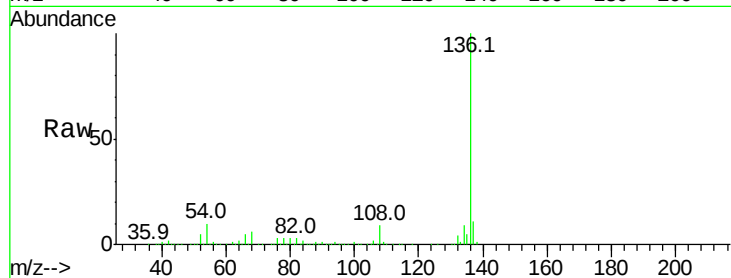
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.9 6.6 9.8#

68 6.1 5.0 7.4

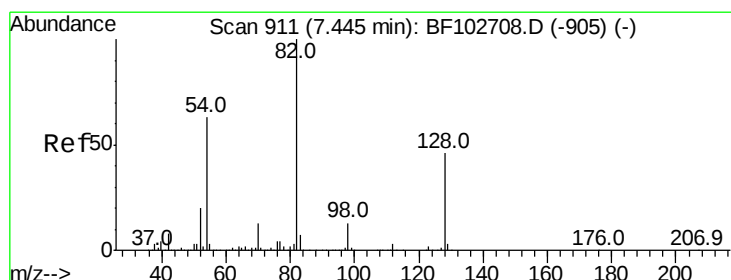
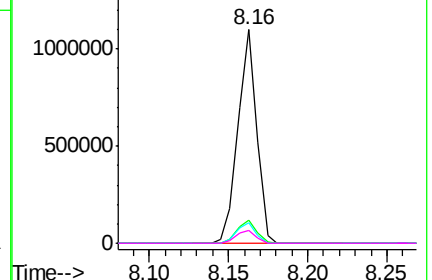
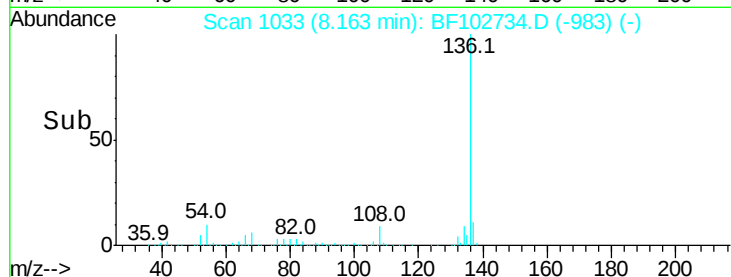


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.446 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

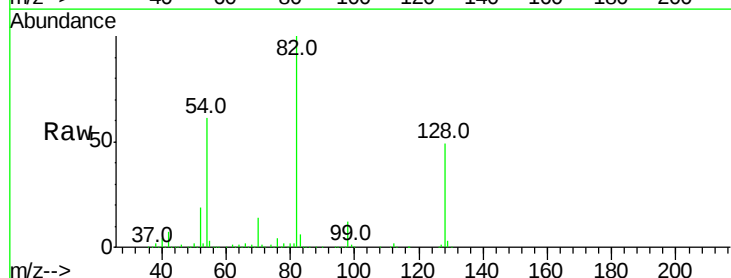
Tgt Ion: 82 Resp: 982275

Ion Ratio Lower Upper

82 100

128 48.5 36.1 54.1

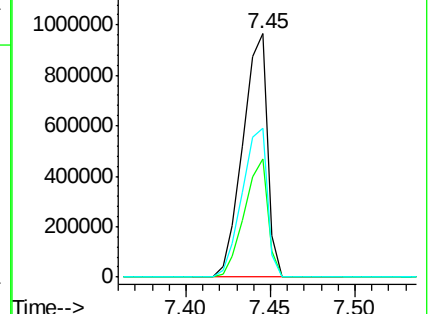
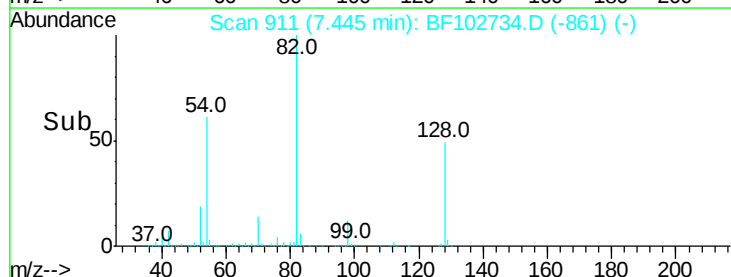
54 61.0 41.4 62.2

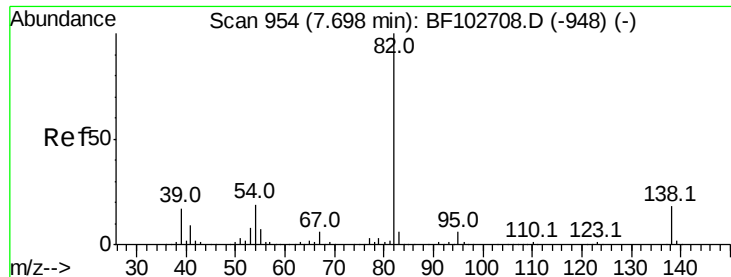


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.764 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Instrument :
BNA_F
ClientSampleId :

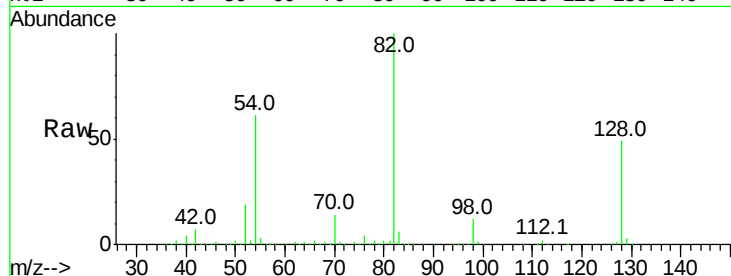
Tot Ion: 82 Resp: 982261

Ion Ratio Lower Upper

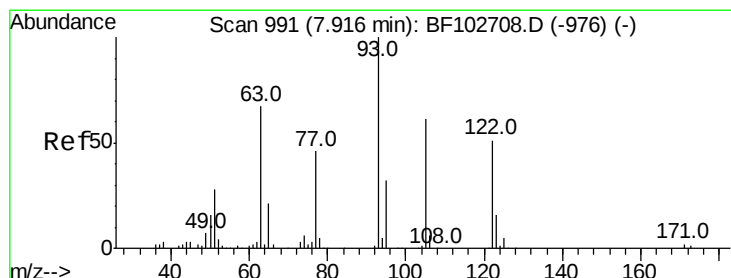
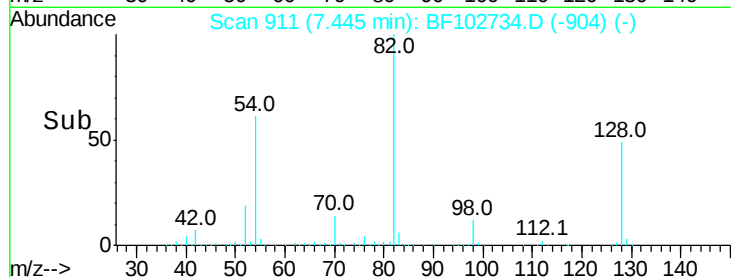
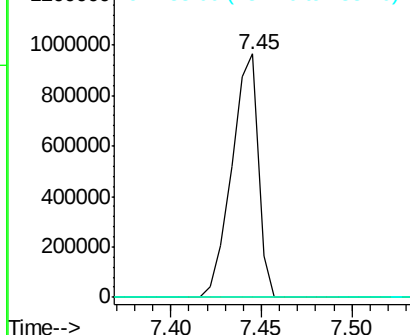
82 100

95 0.1 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



#32

Benzoic acid

Concen: 8.573 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

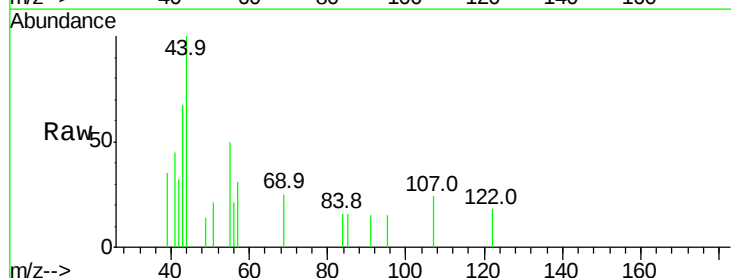
Tgt Ion:122 Resp: 275

Ion Ratio Lower Upper

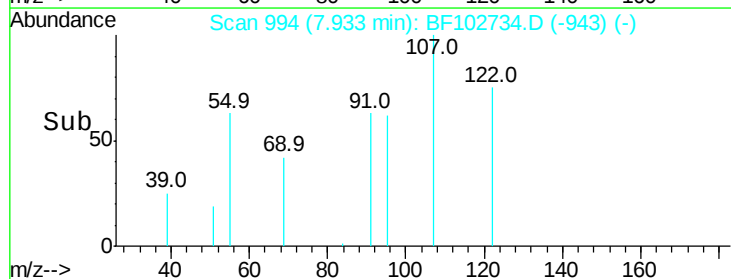
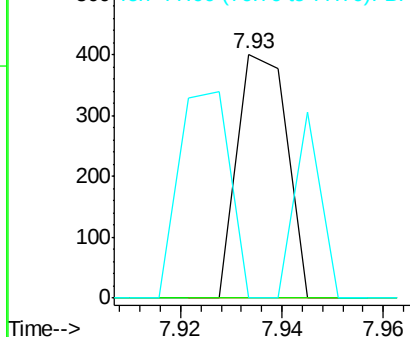
122 100

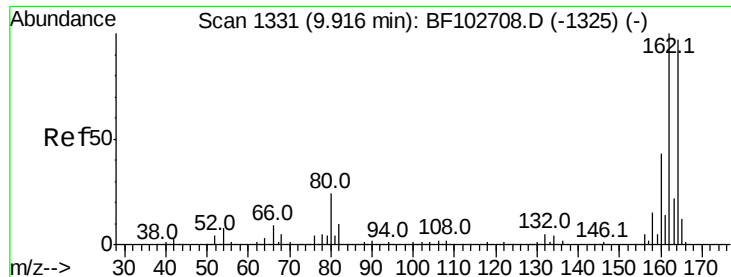
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

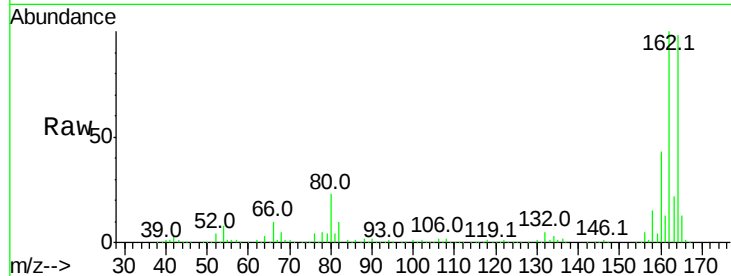




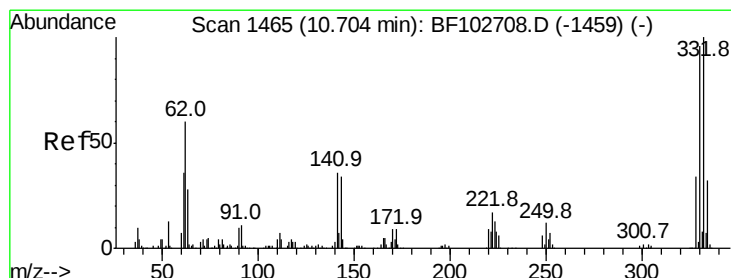
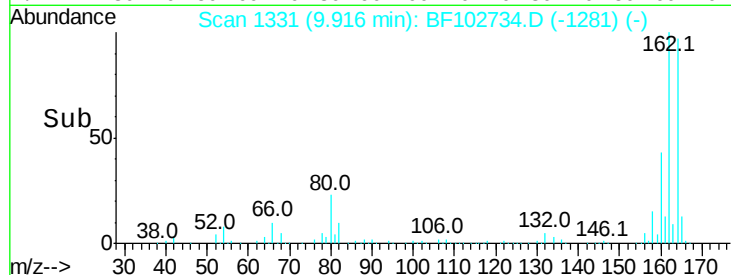
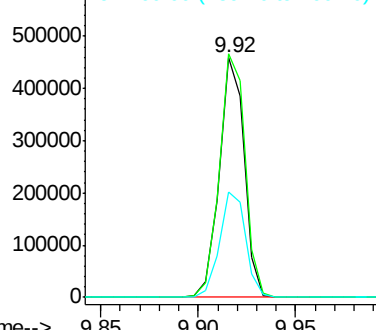
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 402232
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 43.8 38.3 57.5

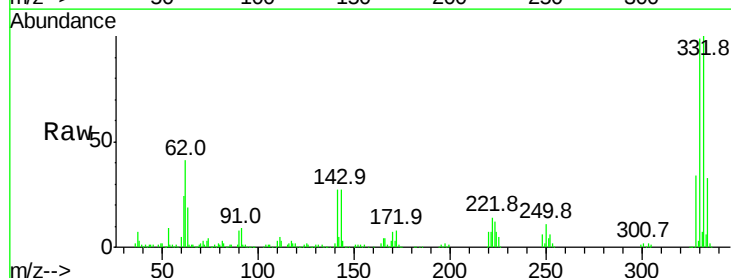


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

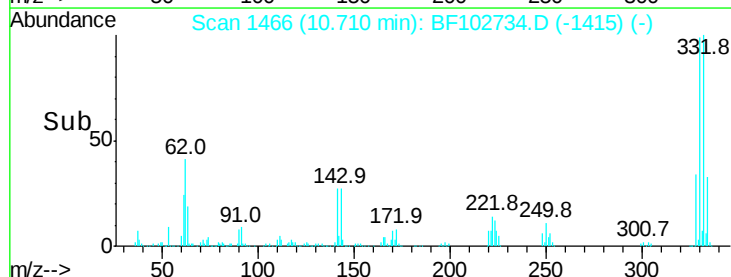
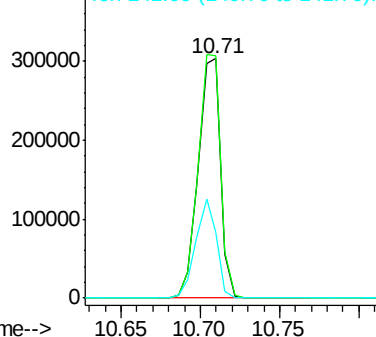


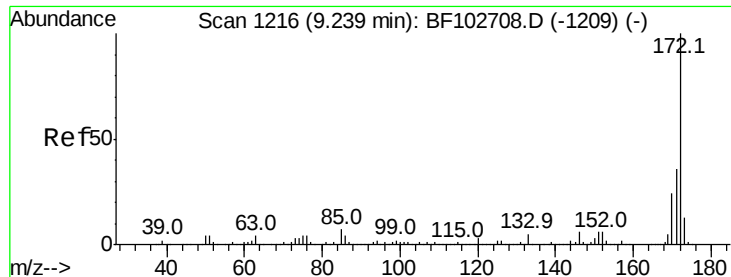
#41
2,4,6-Tribromophenol
Concen: 91.588 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Tgt Ion:330 Resp: 296515
Ion Ratio Lower Upper
330 100
332 102.3 77.0 115.6
141 38.8 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

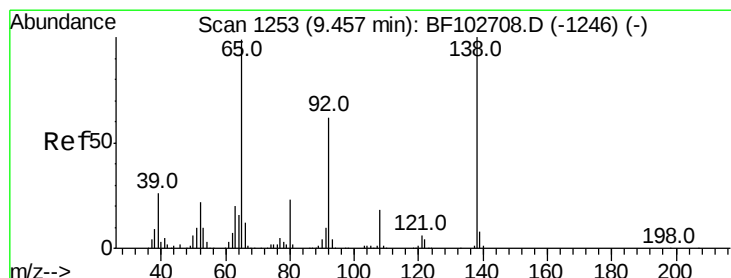
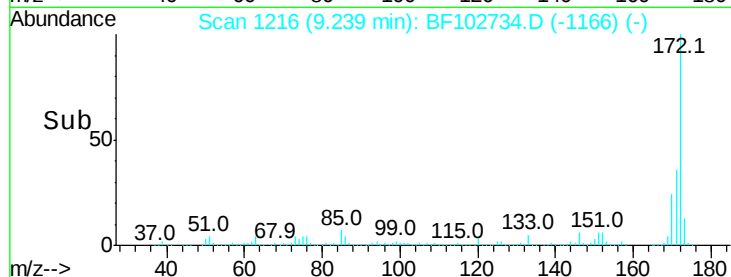
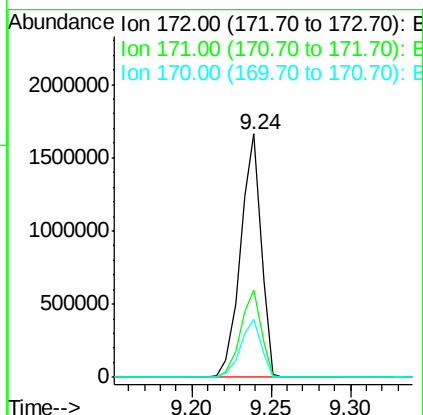
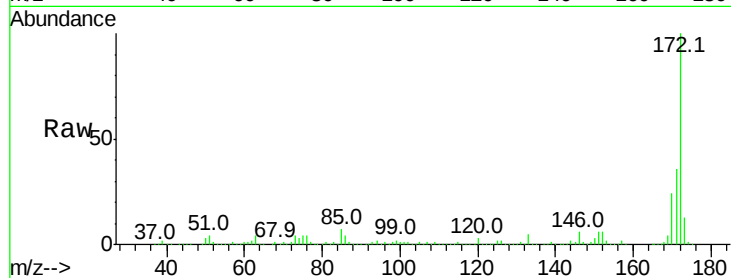




#44
 2-Fluorobiphenyl
 Concen: 61.477 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102734.D
 Acq: 5 Feb 2018 13:34

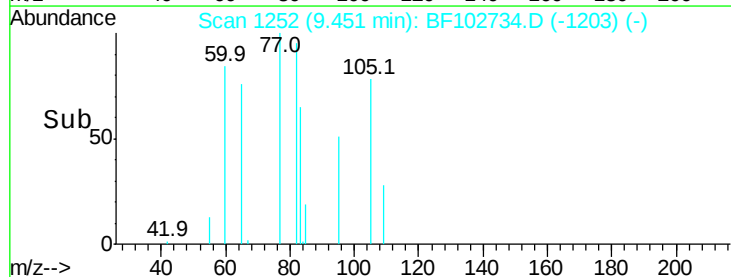
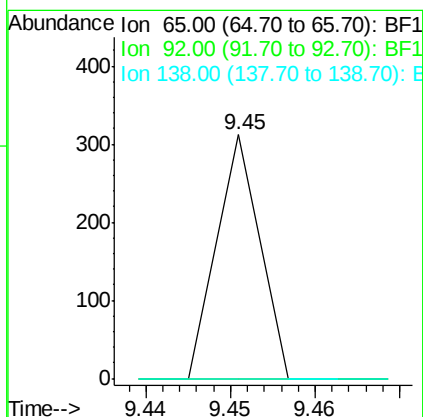
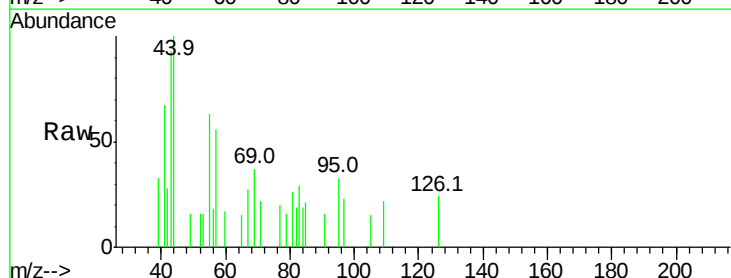
Instrument :
 BNA_F
 ClientSampleId :

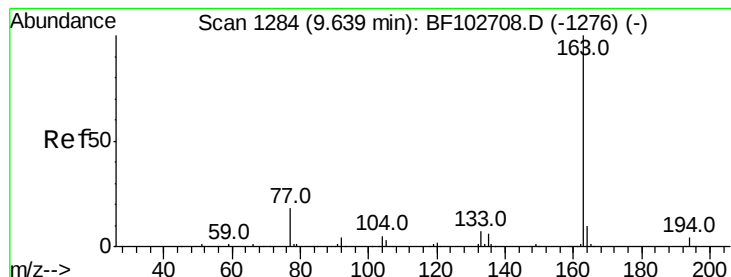
Tot Ion:172 Resp: 1490208
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.0 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.485 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF102734.D
 Acq: 5 Feb 2018 13:34

Tgt Ion: 65 Resp: 110
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 3.067 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Instrument :

BNA_F

ClientSampleId :

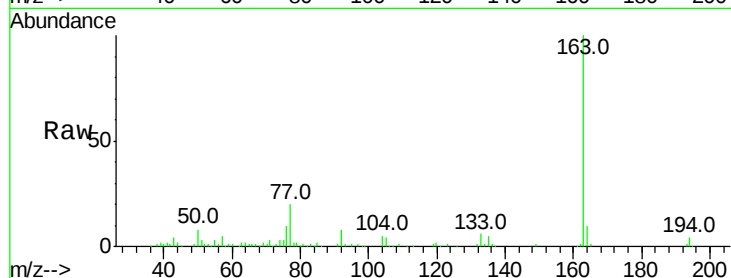
Tot Ion:163 Resp: 96203

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

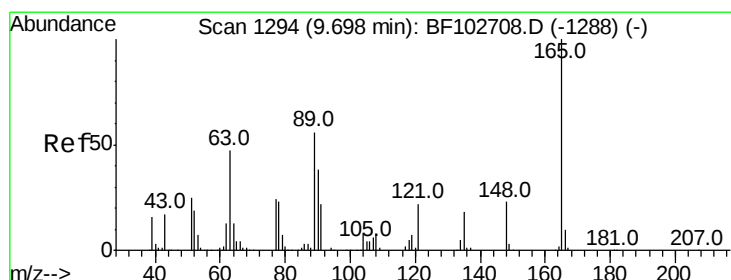
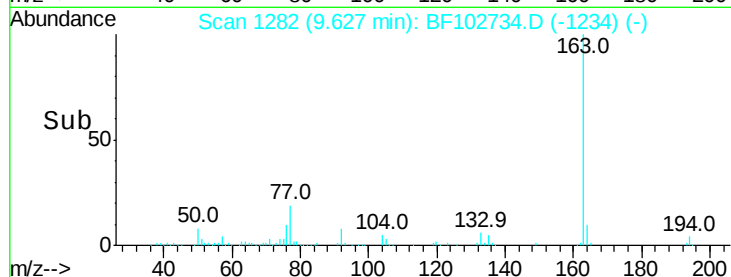
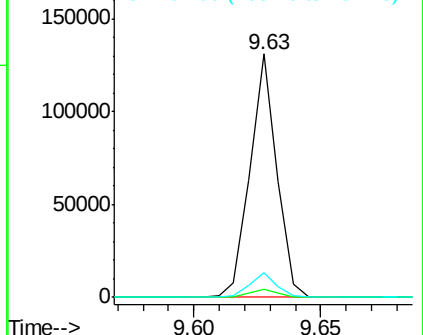
164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.777 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

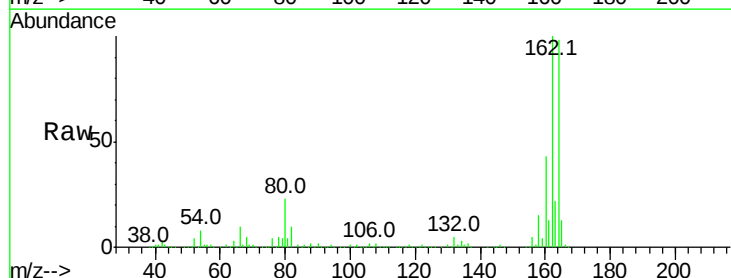
Tgt Ion:165 Resp: 52372

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

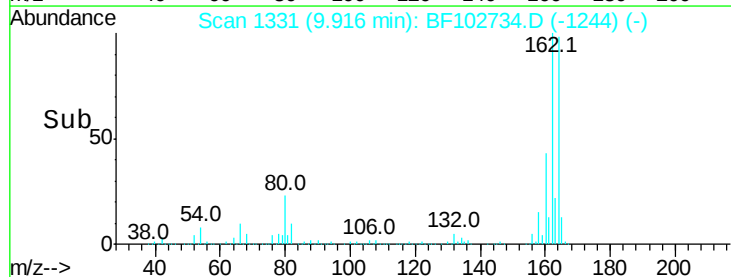
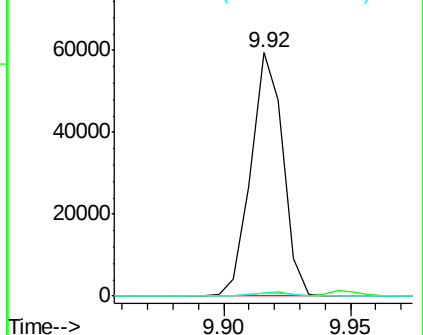
89 1.3 44.0 66.0#

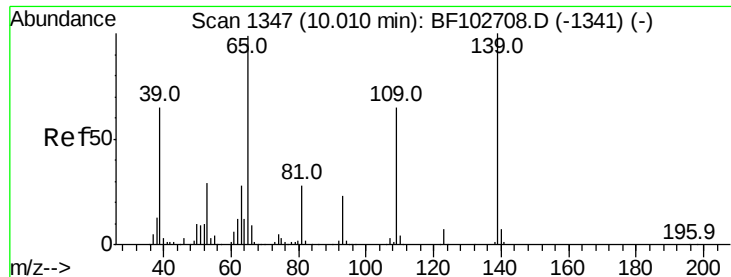


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

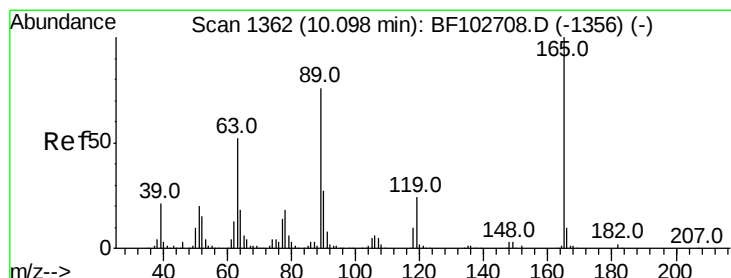
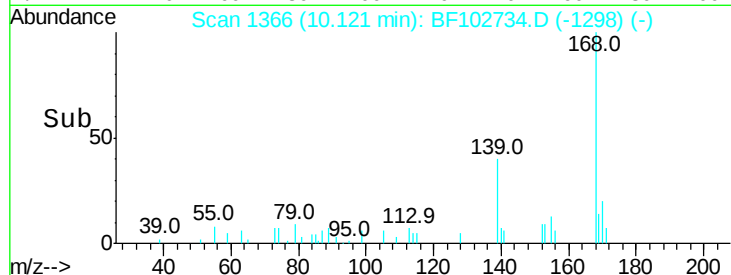
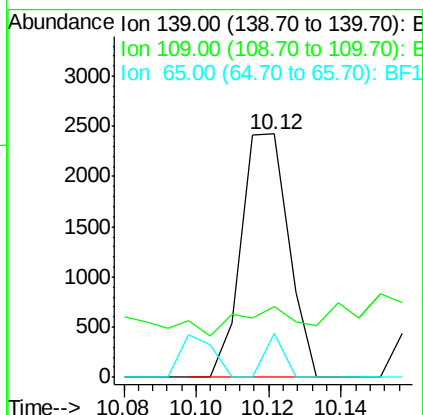
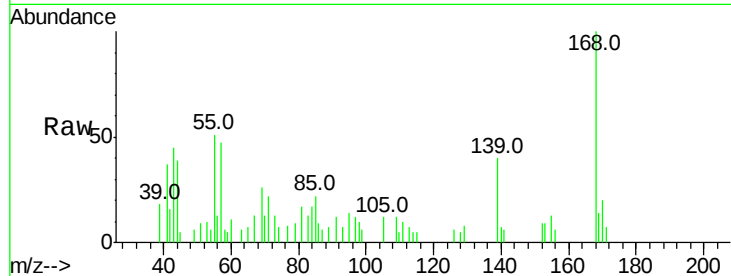




#55
4-Nitrophenol
Concen: 4.371 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

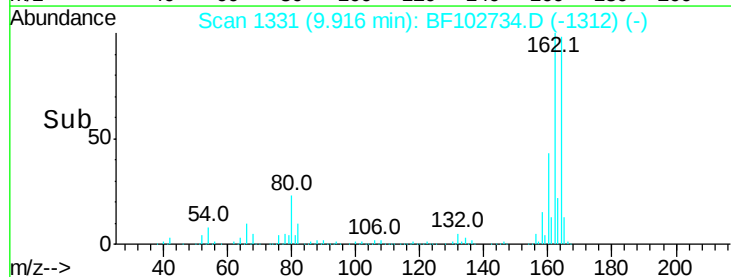
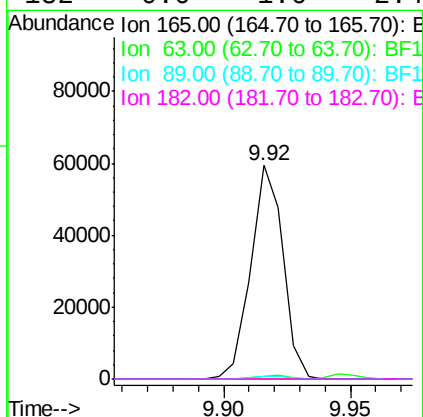
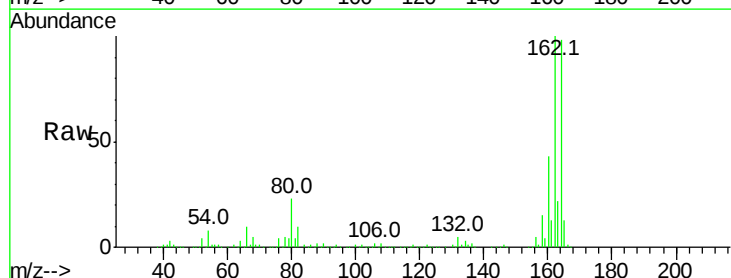
Instrument :
BNA_F
ClientSampleId :

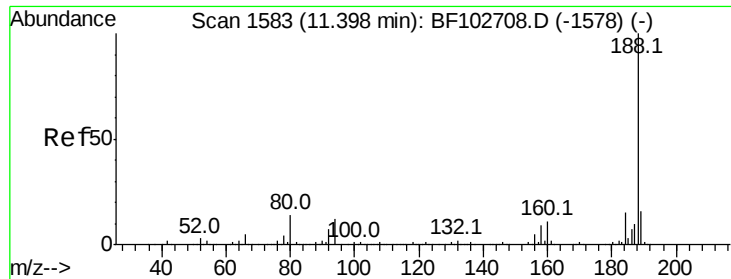
Tot Ion:139 Resp: 2202
Ion Ratio Lower Upper
139 100
109 29.3 48.4 88.4#
65 17.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.201 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Tgt Ion:165 Resp: 52372
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#

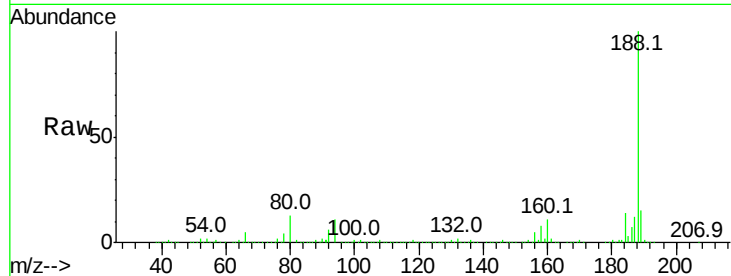




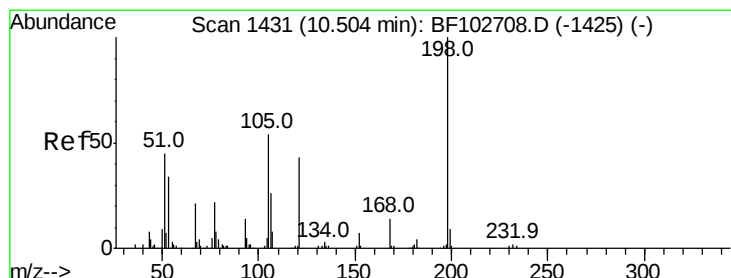
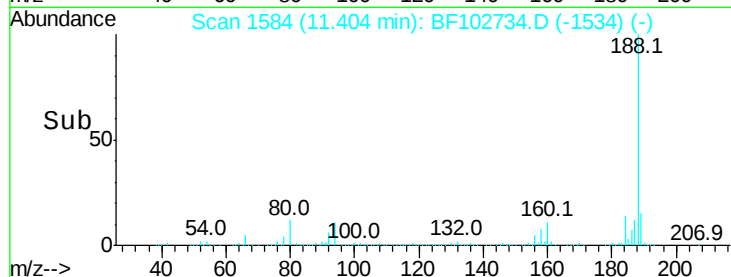
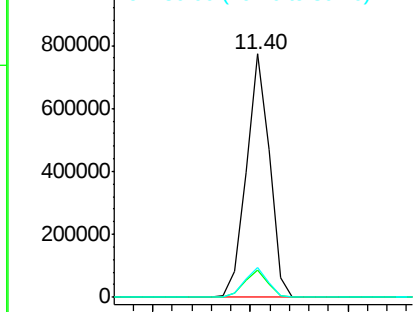
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 634418
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.5 9.2 13.8

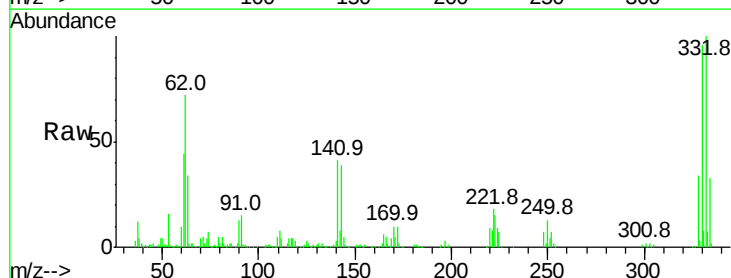


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

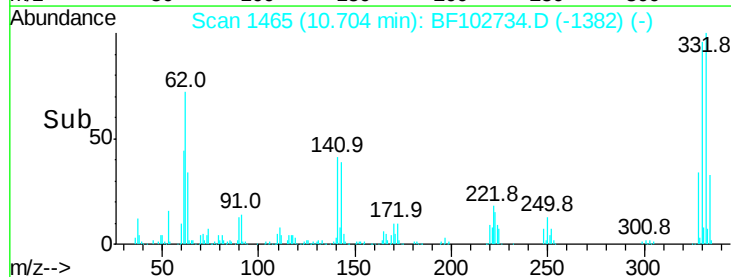
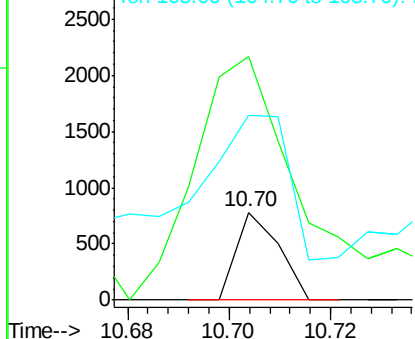


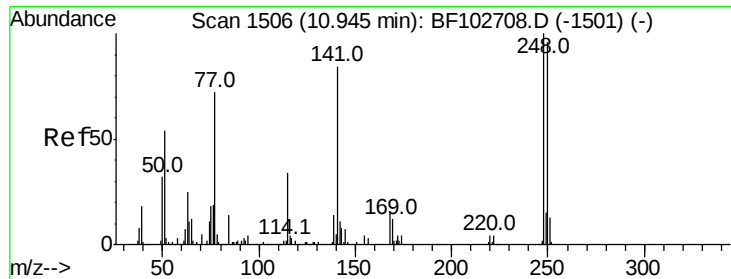
#64
4,6-Dinitro-2-methylphenol
Concen: 8.951 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Tgt Ion:198 Resp: 454
Ion Ratio Lower Upper
198 100
51 277.5 37.7 77.7#
105 210.6 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

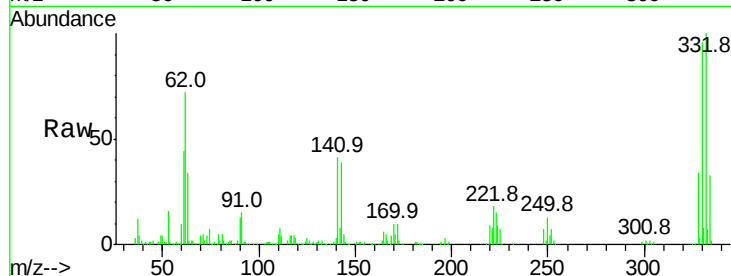




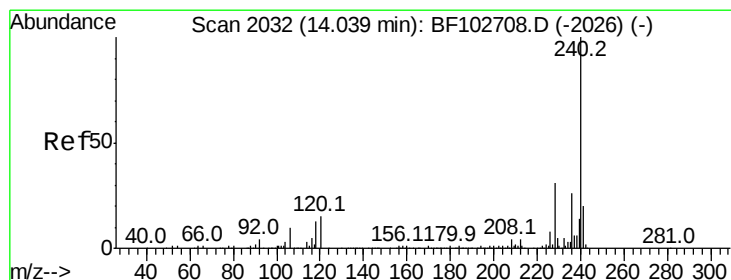
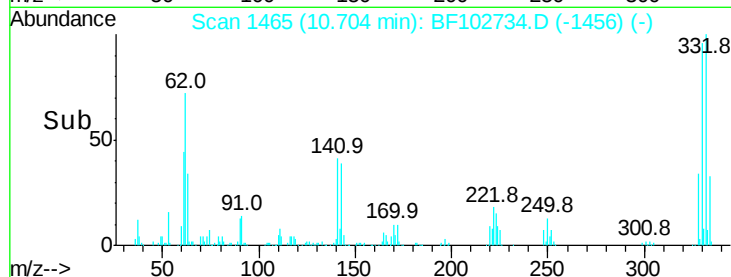
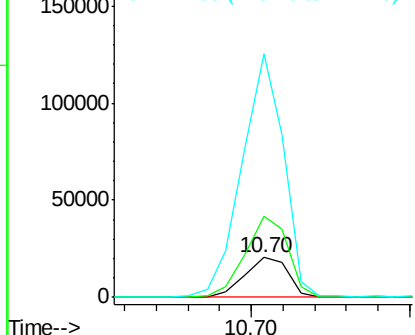
#66
4-Bromophenyl-phenylether
Concen: 2.898 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19451
Ion Ratio Lower Upper
248 100
250 201.6 76.9 115.3#
141 608.5 74.4 111.6#

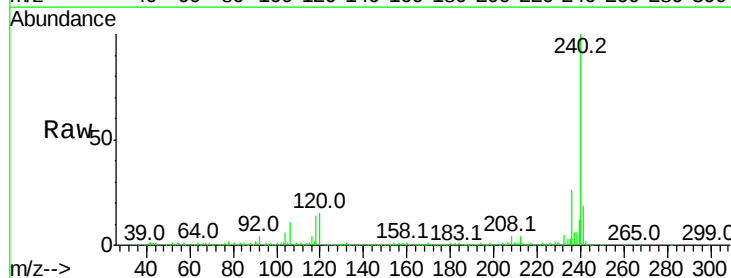


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

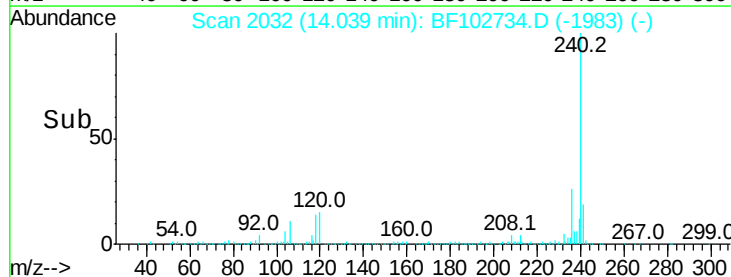
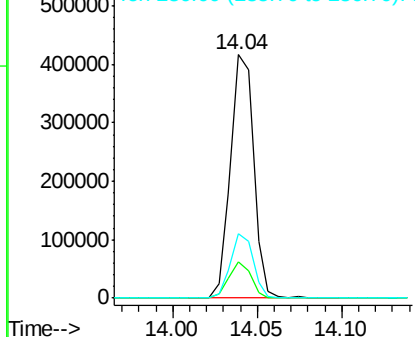


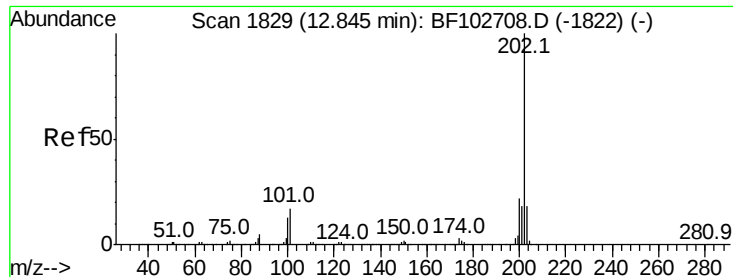
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102734.D
Acq: 5 Feb 2018 13:34

Tgt Ion:240 Resp: 398975
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 26.4 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





#77

Pvrene

Concen: 2.135 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

Instrument :

BNA_F

ClientSampleId :

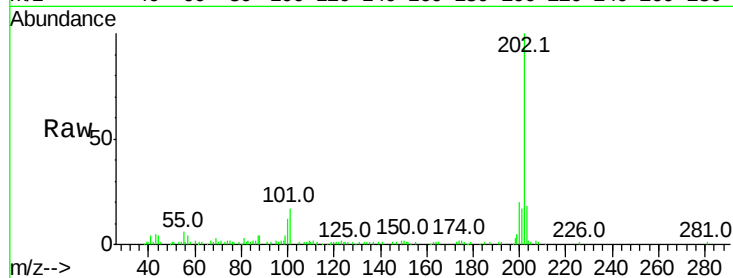
Tot Ion:202 Resp: 66810

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

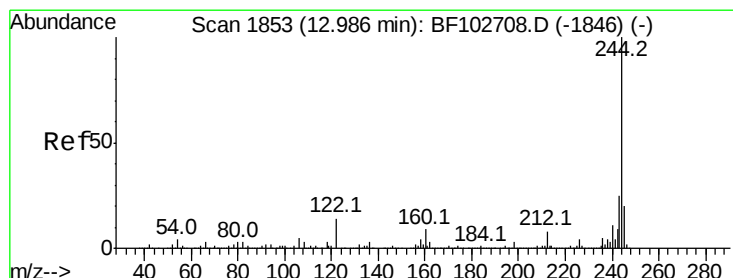
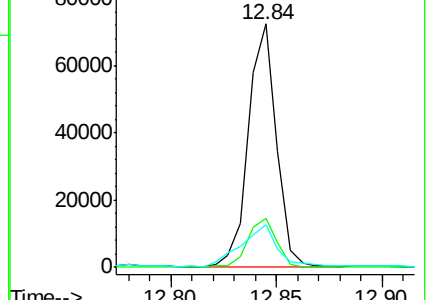
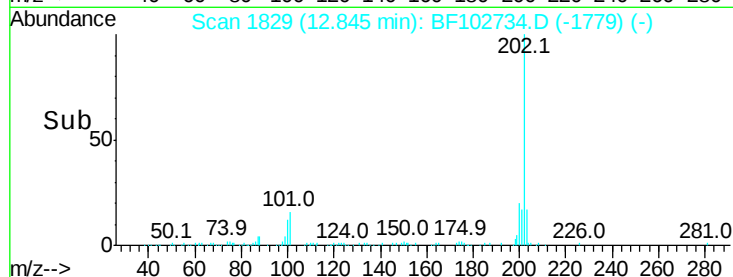
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.398 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102734.D

Acq: 5 Feb 2018 13:34

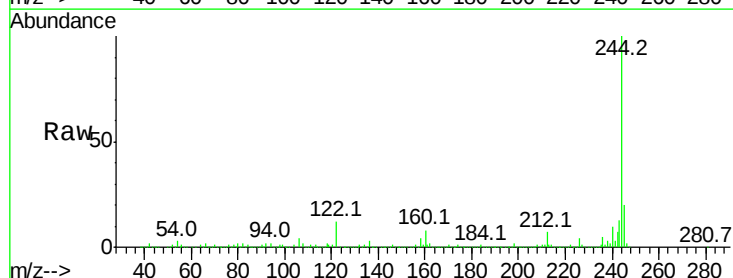
Tgt Ion:244 Resp: 1034573

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

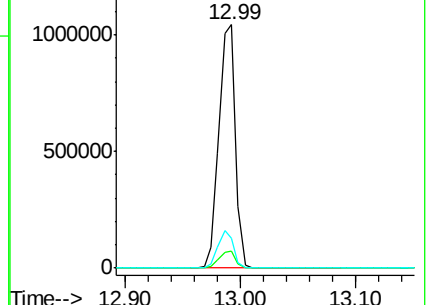
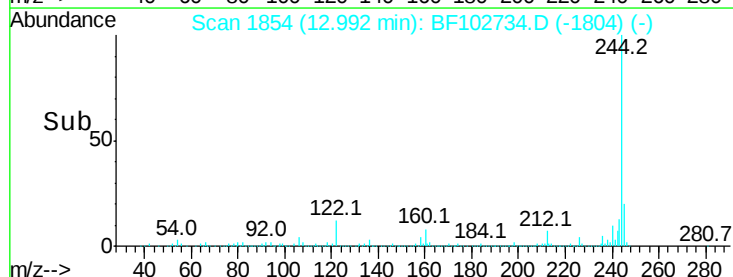
122 12.5 11.0 16.4

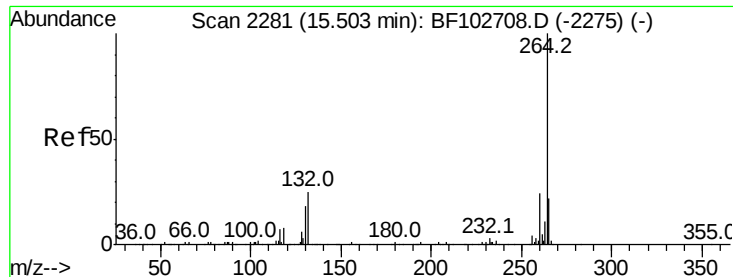


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF102734.D
 Acq: 5 Feb 2018 13:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.2	17.5	26.3

