

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102745.D
 Acq On : 5 Feb 2018 18:33
 Operator : SJ/JU
 Sample : J1456-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 00:41:24 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	216257	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	884794	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	384563	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	597990	20.00	ng	0.00
75) Chrysene-d12	14.04	240	373584	20.00	ng	-0.01
86) Perylene-d12	15.52	264	349569	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1449725	101.81	ng	0.00
7) Phenol-d6	6.51	99	1702579	99.30	ng	0.00
23) Nitrobenzene-d5	7.45	82	1063479	83.38	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	332813	107.52	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1459426	62.97	ng	0.00
78) Terphenyl-d14	12.99	244	1090065	69.09	ng	0.00

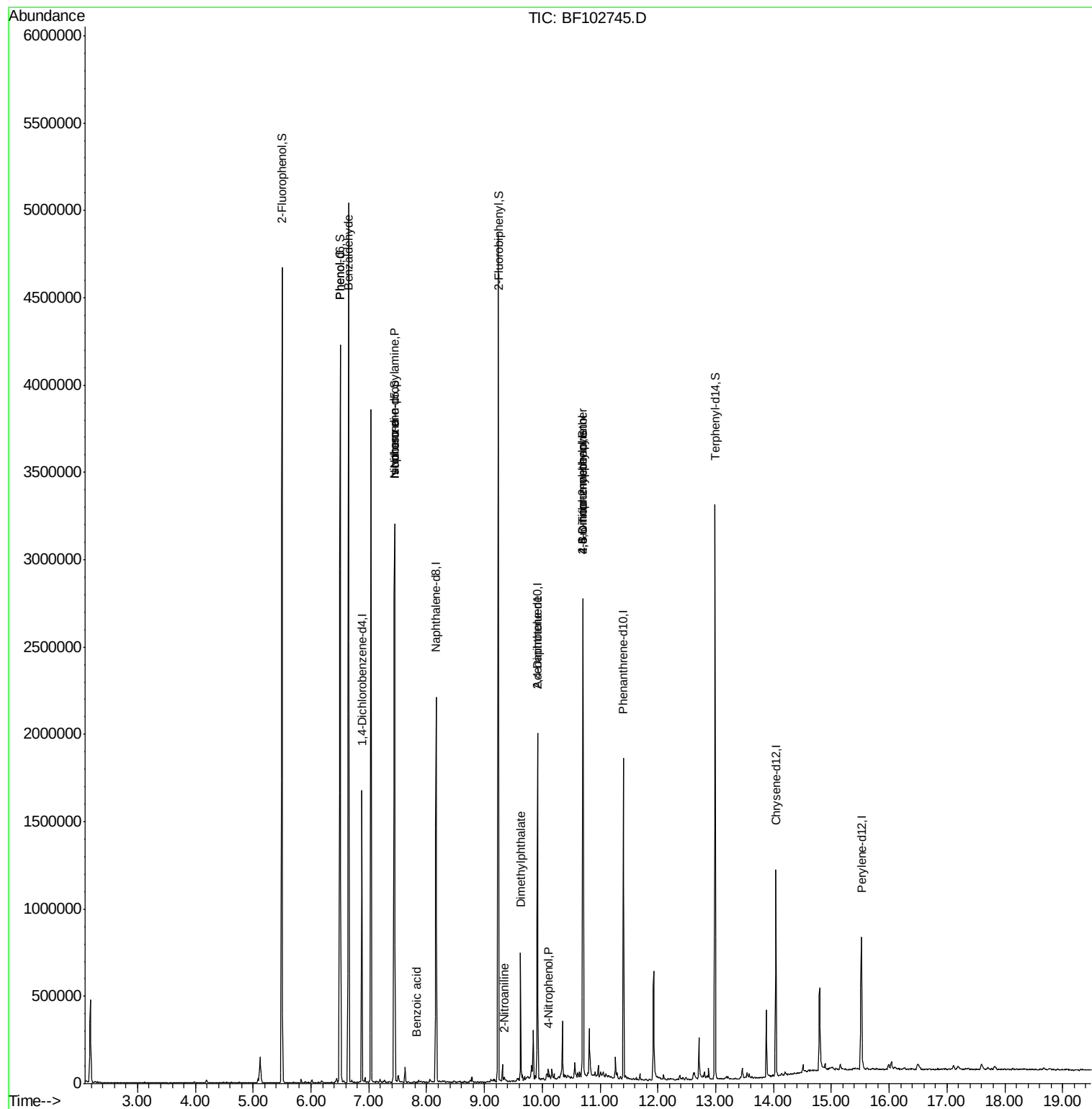
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	31248	2.454	ng	81
10) Phenol	6.52	94	126485	6.884	ng	96
19) n-Nitroso-di-n-propylamine	7.45	70	143125	12.661	ng	# 83
25) Isophorone	7.45	82	1063466	36.210	ng	# 64
32) Benzoic acid	7.83	122	506	8.599	ng	# 76
47) 2-Nitroaniline	9.34	65	125	3.487	ng	# 2
49) Dimethylphthalate	9.63	163	232701	7.761	ng	98
55) 4-Nitrophenol	10.12	139	304	4.074	ng	94
56) 2,4-Dinitrotoluene	9.92	165	49895	9.179	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	702	9.053	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	21588	3.413	ng	# 1

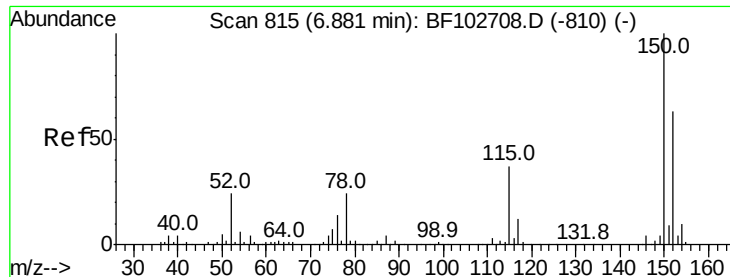
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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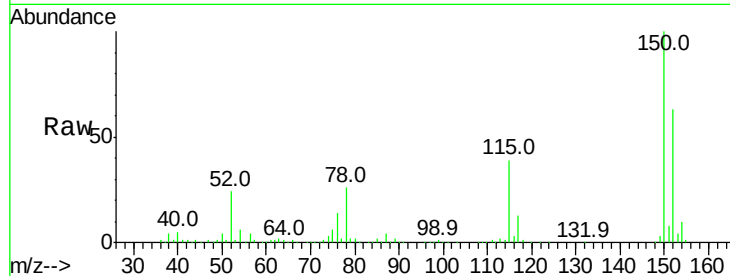


#1

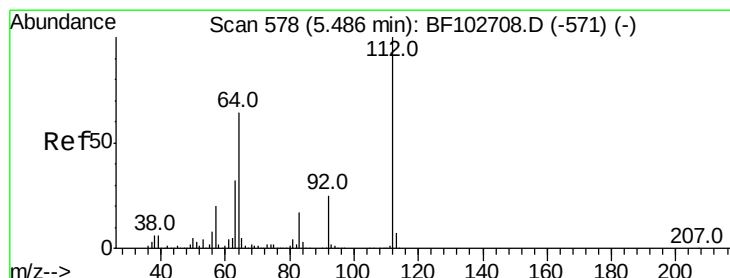
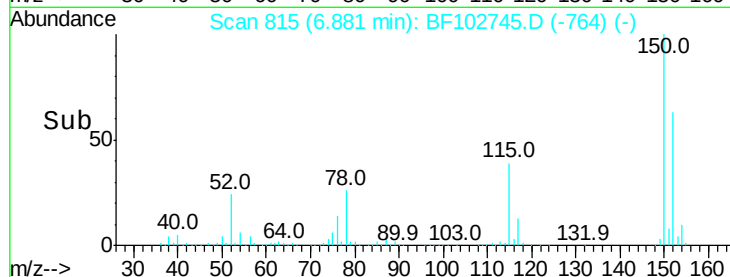
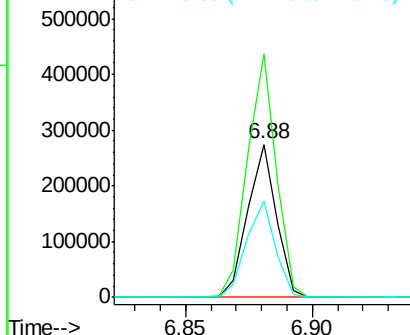
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102745.D
Acq: 5 Feb 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	62.7	50.1	75.1



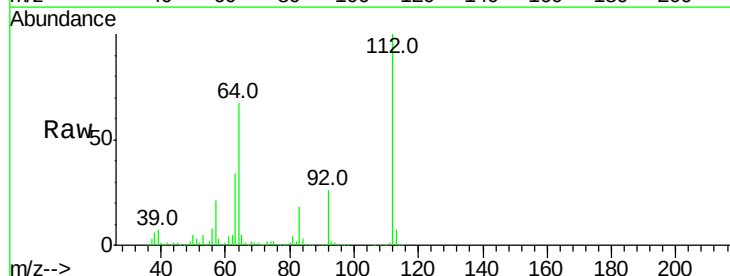
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



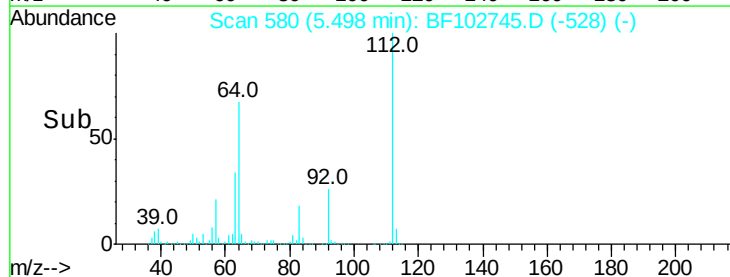
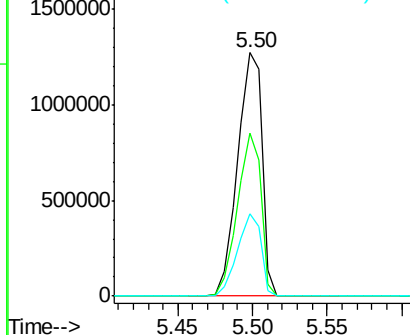
#5

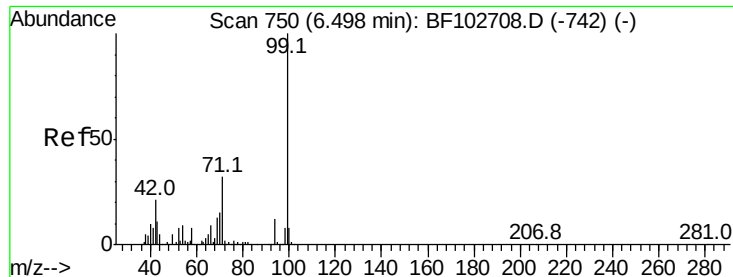
2-Fluorophenol
Concen: 101.807 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102745.D
Acq: 5 Feb 2018 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.7	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: 99.300 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampleId :

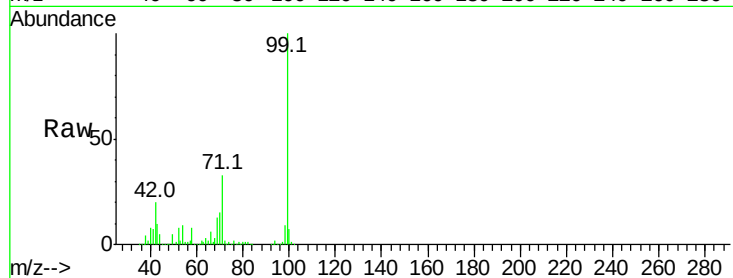
Tot Ion: 99 Resp: 1702579

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

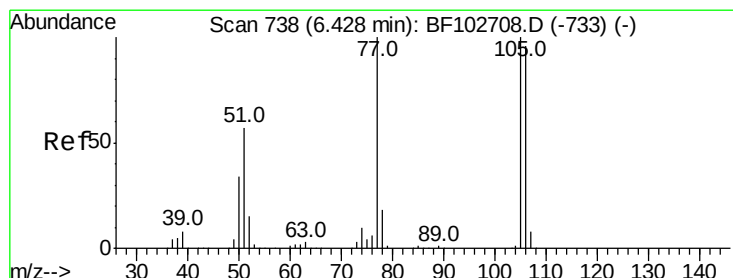
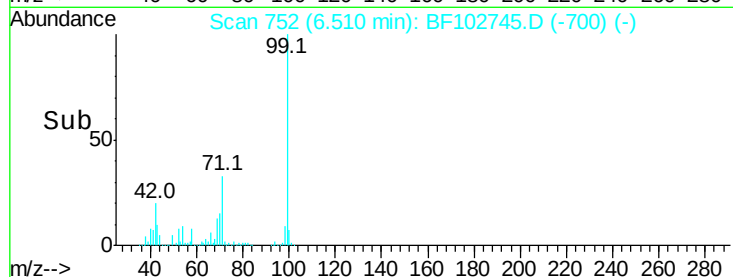
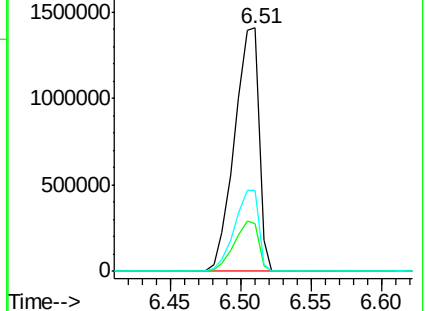
71 33.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.454 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

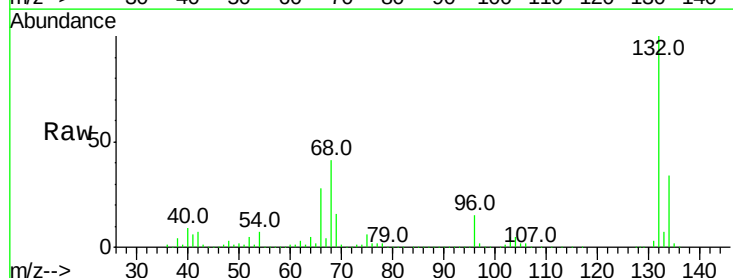
Tgt Ion: 77 Resp: 31248

Ion Ratio Lower Upper

77 100

105 81.8 81.1 121.1

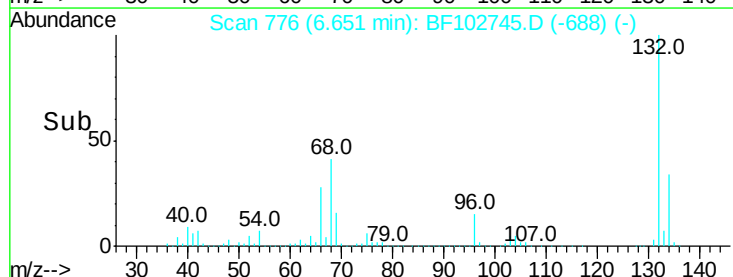
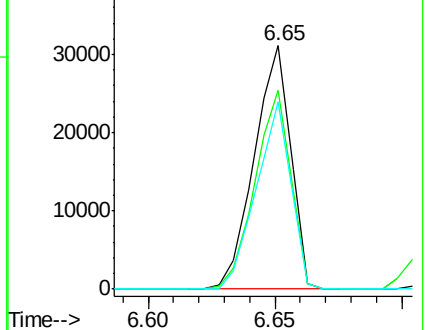
106 76.9 74.5 114.5

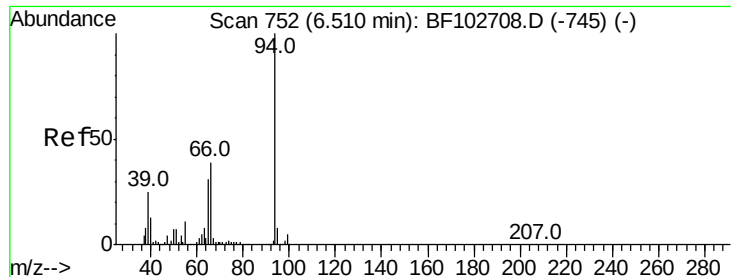


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 6.884 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampleId :

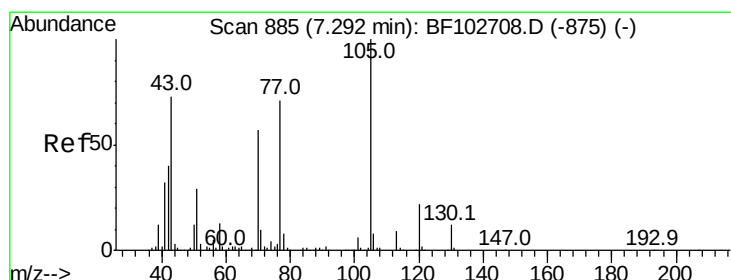
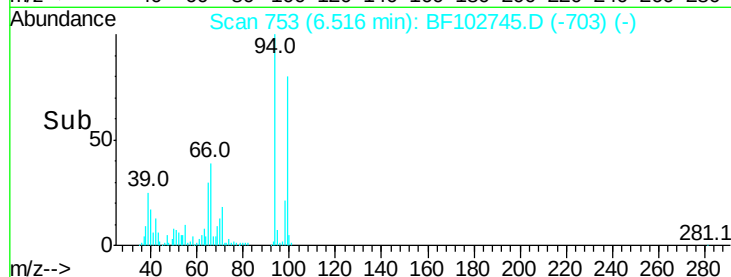
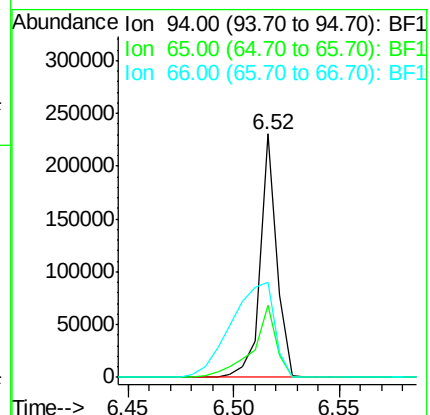
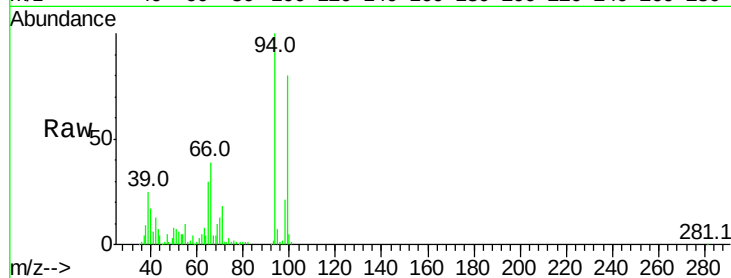
Tot Ion: 94 Resp: 126485

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 39.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.661 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Tgt Ion: 70 Resp: 143125

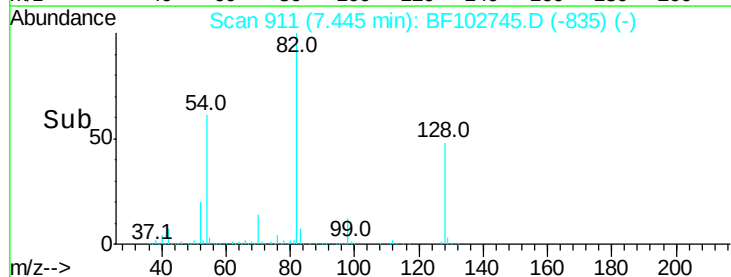
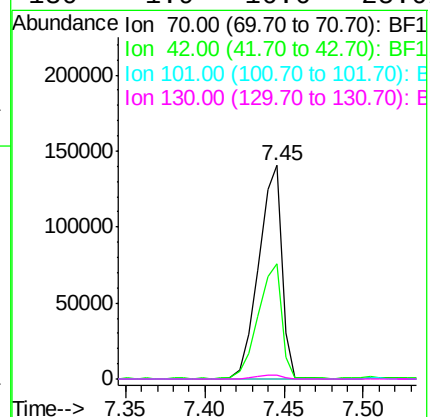
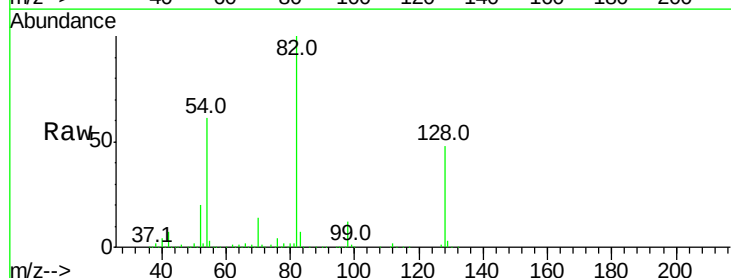
Ion Ratio Lower Upper

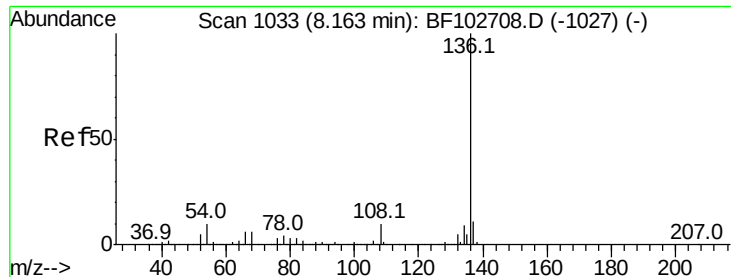
70 100

42 53.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

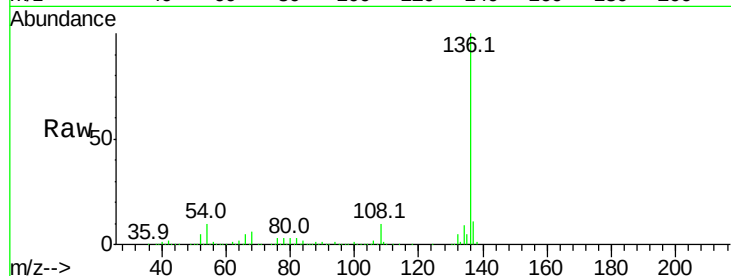




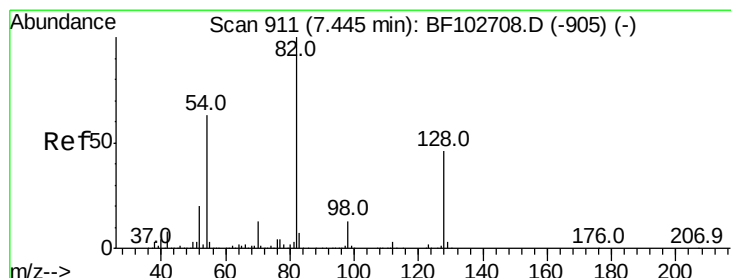
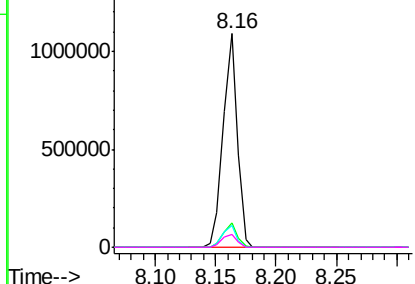
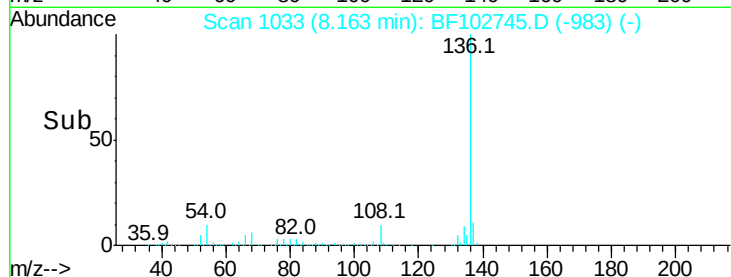
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102745.D
Acq: 5 Feb 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	884794
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.9	13.3
54 9.9	6.6	9.8#
68 6.3	5.0	7.4

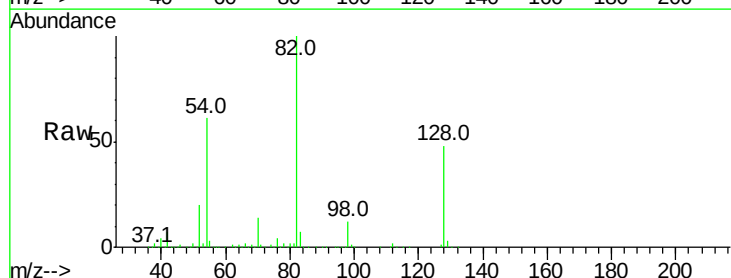


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

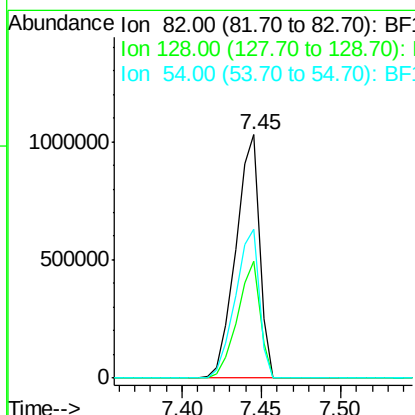
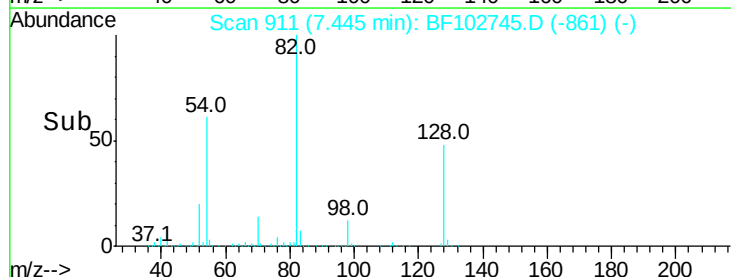


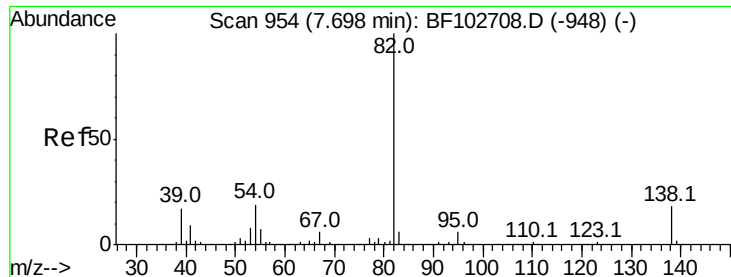
#23
Nitrobenzene-d5
Concen: 83.380 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102745.D
Acq: 5 Feb 2018 18:33

Tgt Ion: 82	Resp:	1063479
Ion Ratio	Lower	Upper
82 100		
128 48.3	36.1	54.1
54 61.4	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: 36.210 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampleId :

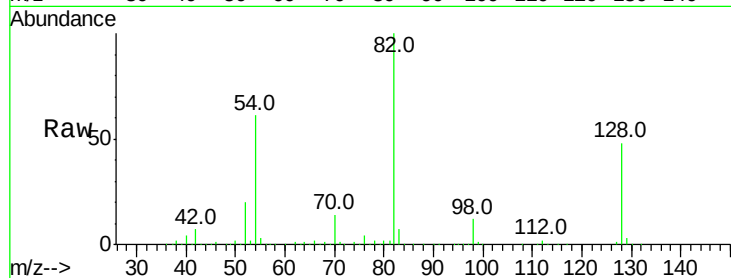
Tot Ion: 82 Resp: 1063466

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

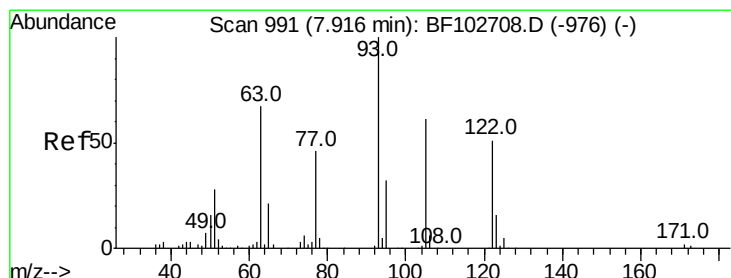
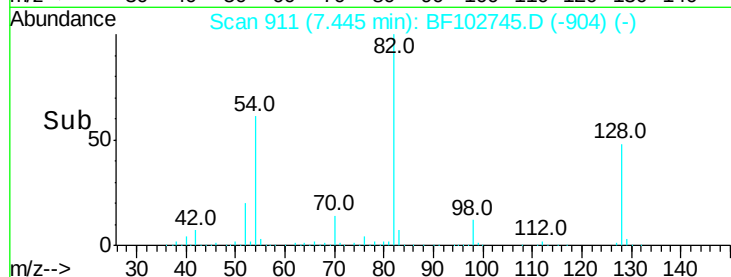
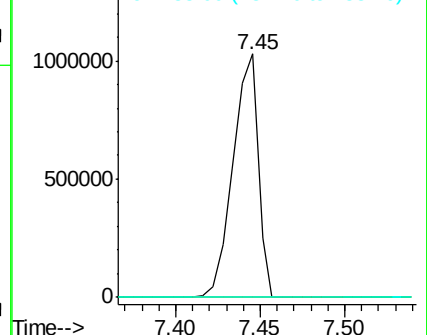
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 8.599 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.11 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

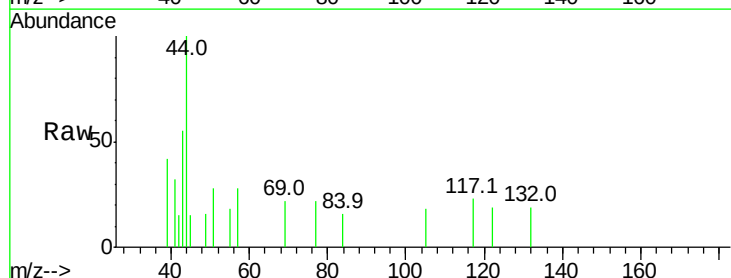
Tgt Ion:122 Resp: 506

Ion Ratio Lower Upper

122 100

105 95.2 101.1 141.1#

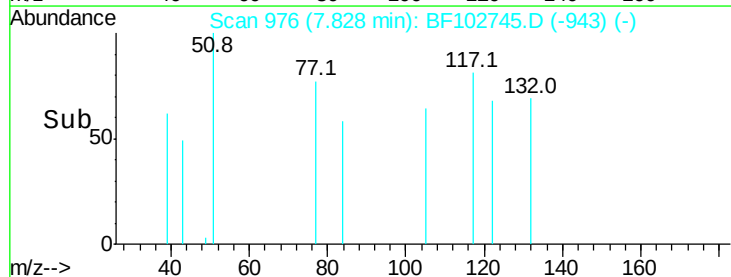
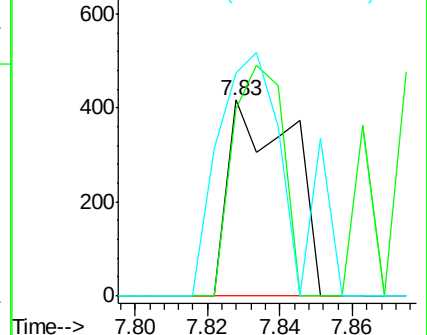
77 113.7 70.7 110.7#

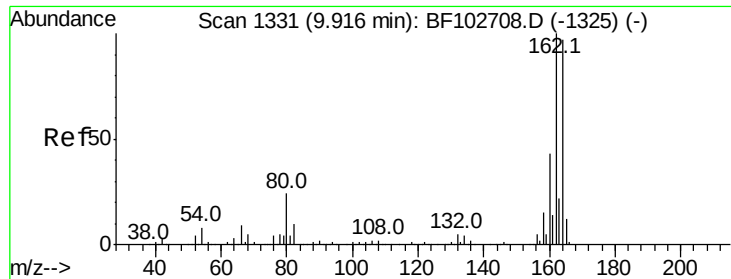


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

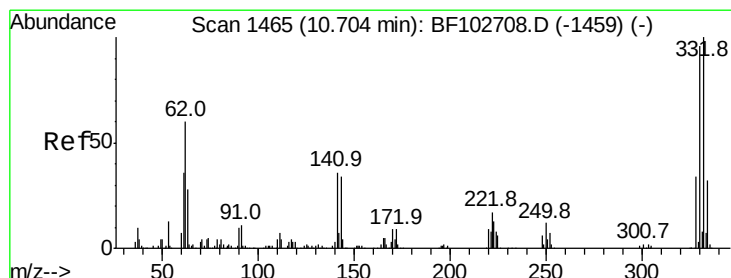
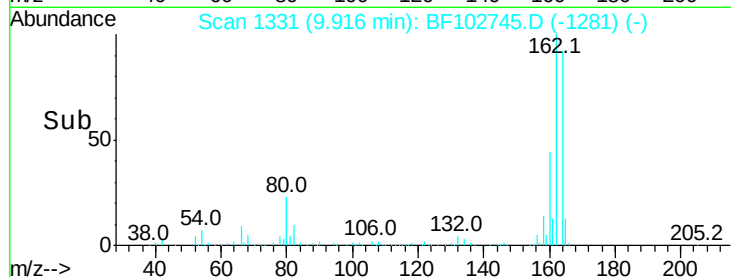
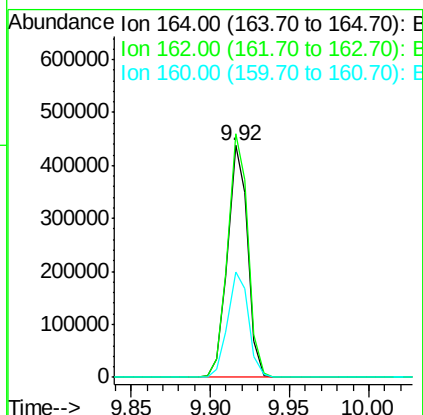
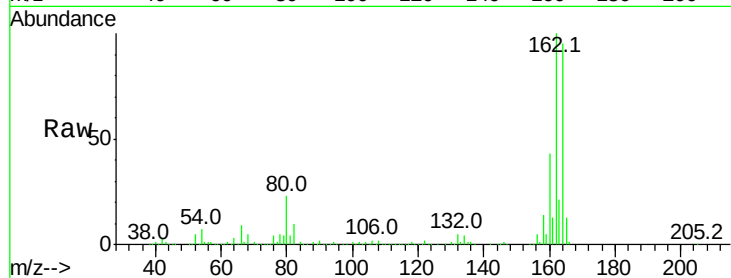




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF102745.D
 Acq: 5 Feb 2018 18:33

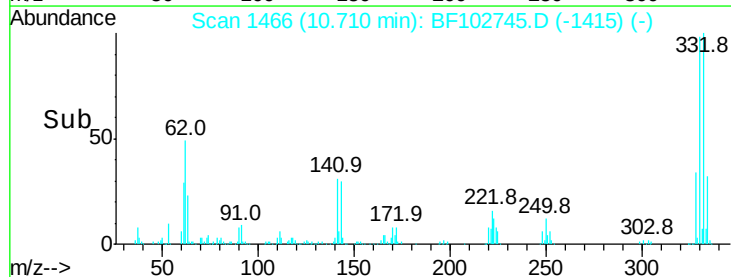
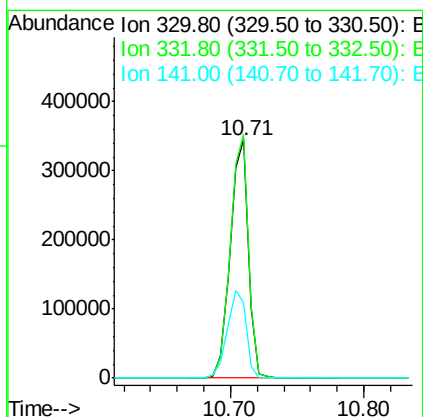
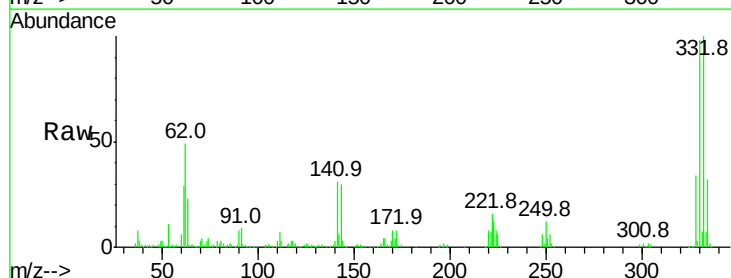
Instrument :
 BNA_F
 ClientSampleId :

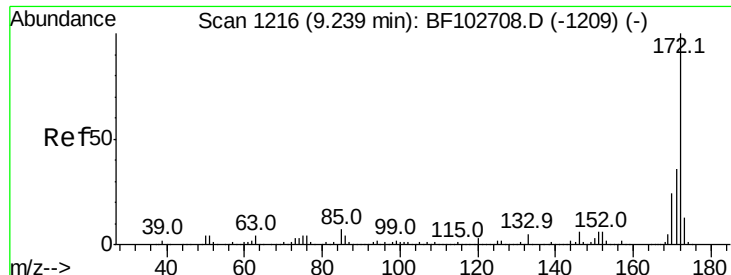
Tot Ion:164 Resp: 384563
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 45.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 107.523 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102745.D
 Acq: 5 Feb 2018 18:33

Tgt Ion:330 Resp: 332813
 Ion Ratio Lower Upper
 330 100
 332 102.1 77.0 115.6
 141 38.5 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 62.973 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampleId :

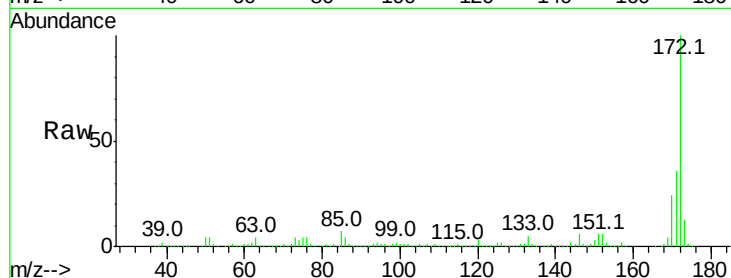
Tot Ion:172 Resp: 1459426

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

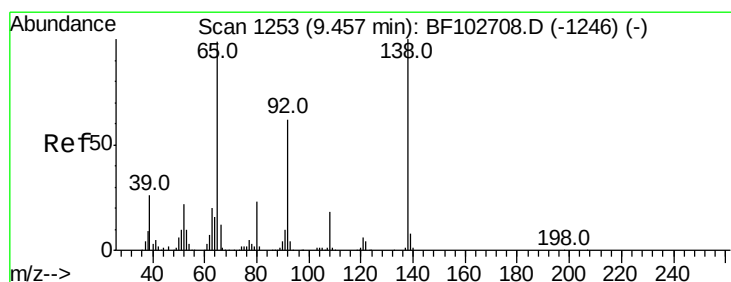
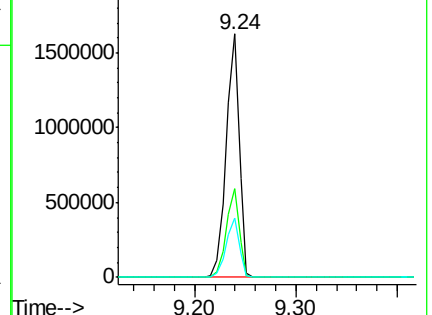
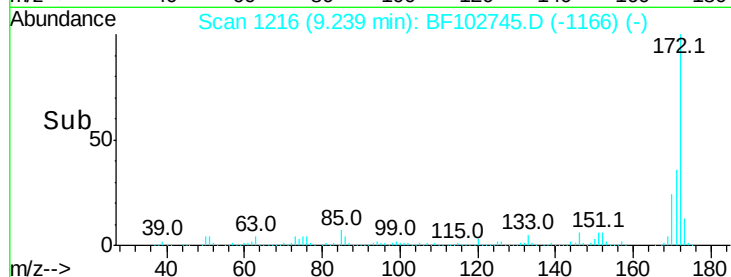
170 24.3 19.6 29.4



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: BF102745.D

Acq: 5 Feb 2018 18:33

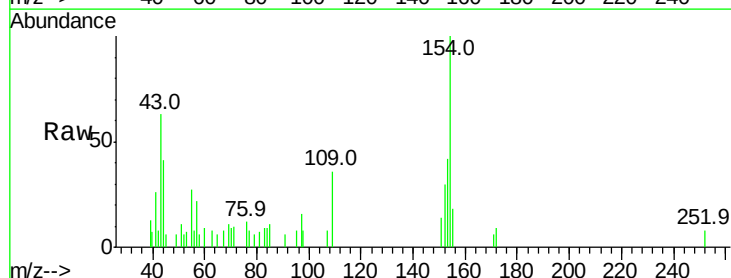
Tgt Ion: 65 Resp: 125

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

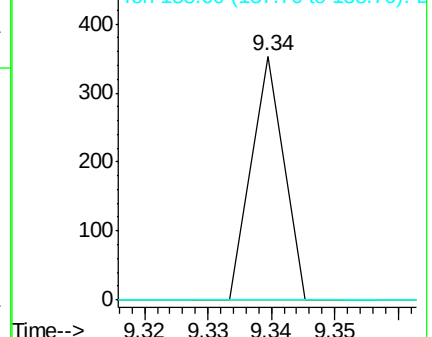
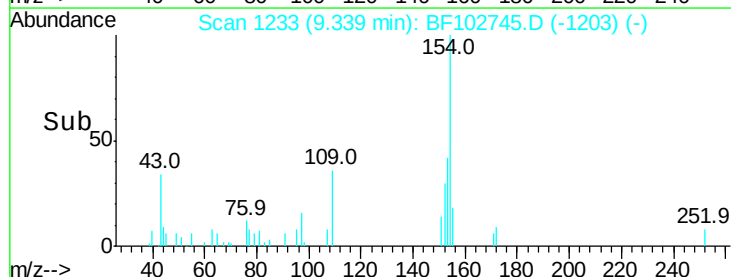
138 0.0 91.2 136.8#

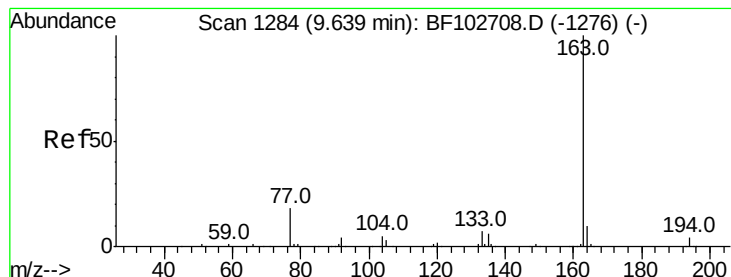


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 7.761 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampleId :

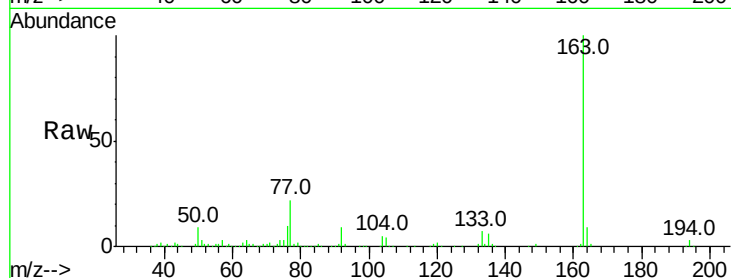
Tot Ion:163 Resp: 232701

Ion Ratio Lower Upper

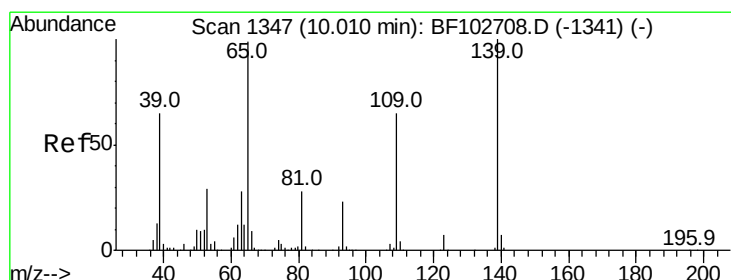
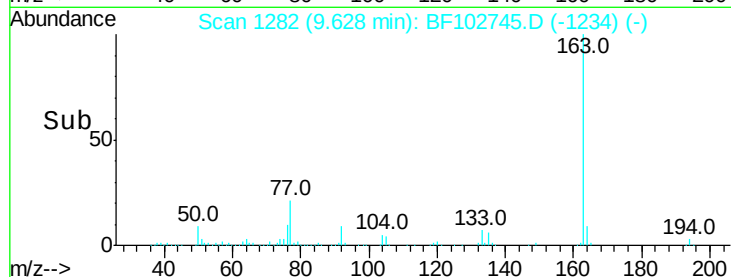
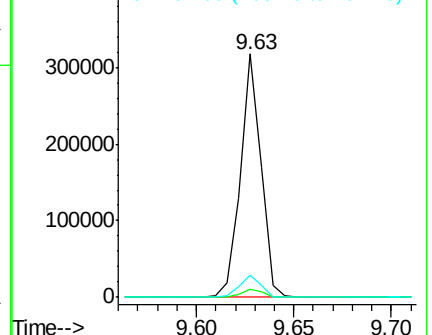
163 100

194 3.2 2.7 4.1

164 9.4 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: 4.074 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.09 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

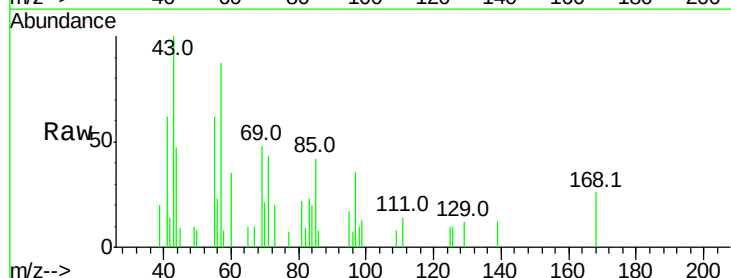
Tgt Ion:139 Resp: 304

Ion Ratio Lower Upper

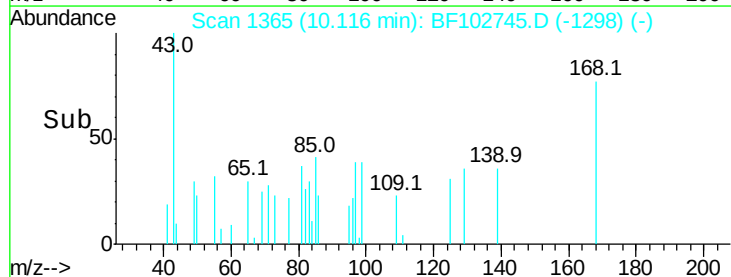
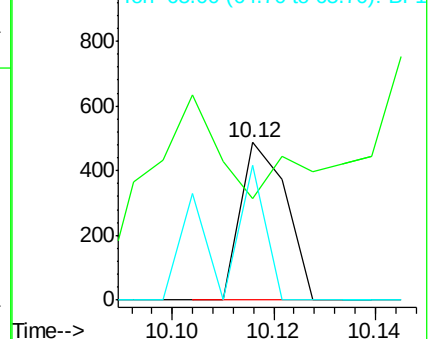
139 100

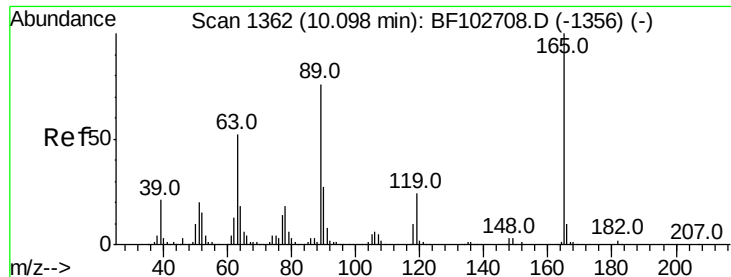
109 64.7 48.4 88.4

65 85.2 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

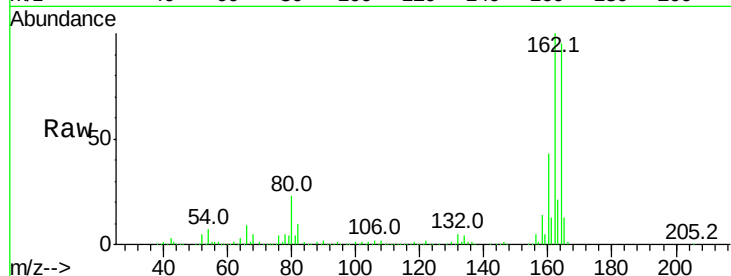




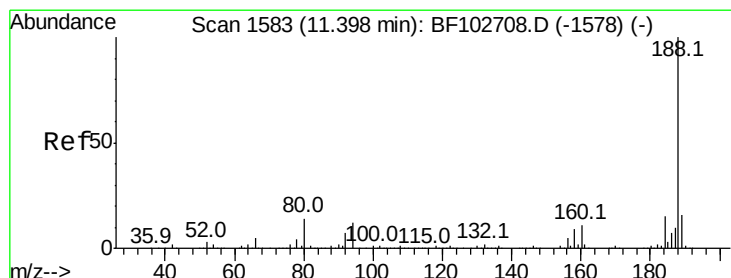
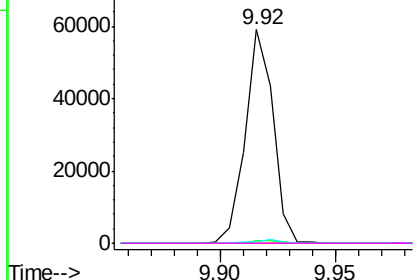
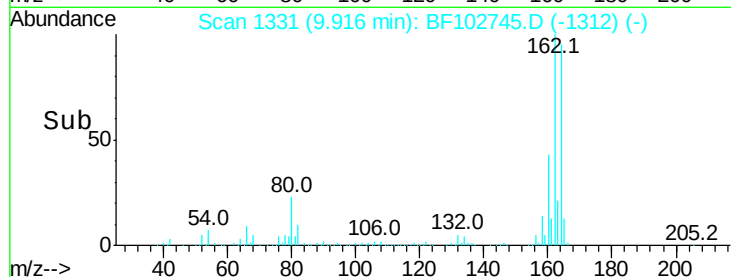
#56
 2,4-Dinitrotoluene
 Concen: 9.179 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102745.D
 Acq: 5 Feb 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 49895
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 0.9 57.8 86.6#
 182 0.0 1.6 2.4#

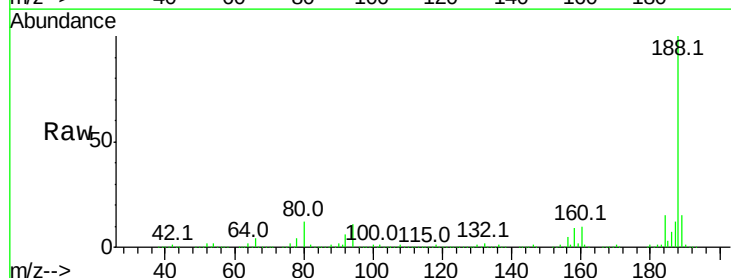


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

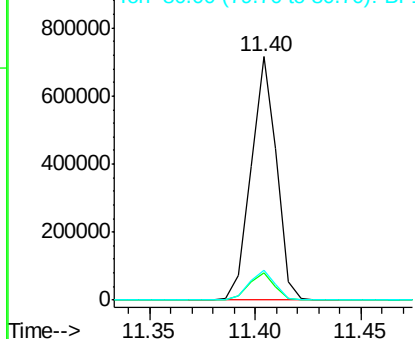
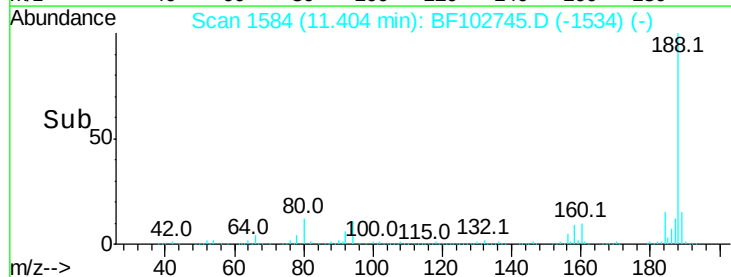


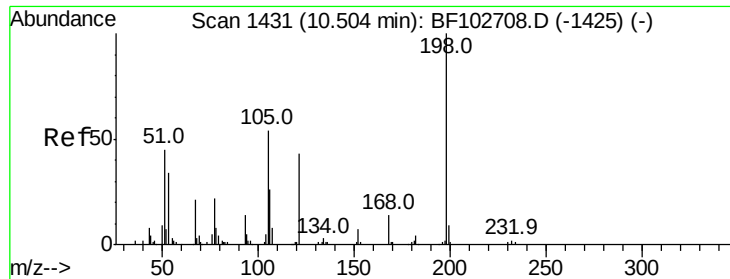
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102745.D
 Acq: 5 Feb 2018 18:33

Tgt Ion:188 Resp: 597990
 Ion Ratio Lower Upper
 188 100
 94 11.3 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: 9.053 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampled :

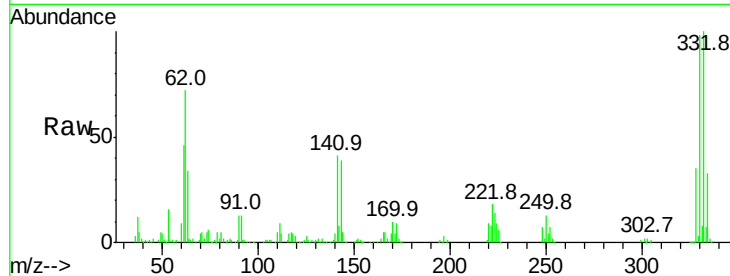
Tot Ion:198 Resp: 702

Ion Ratio Lower Upper

198 100

51 286.2 37.7 77.7#

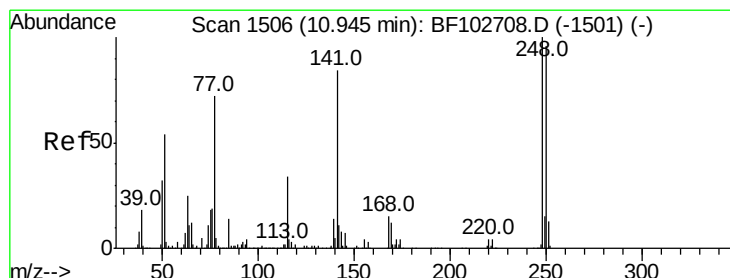
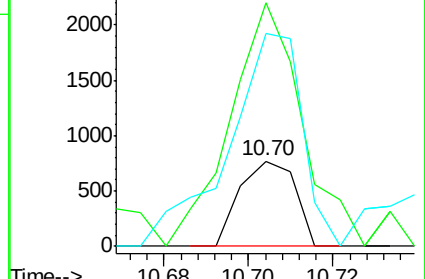
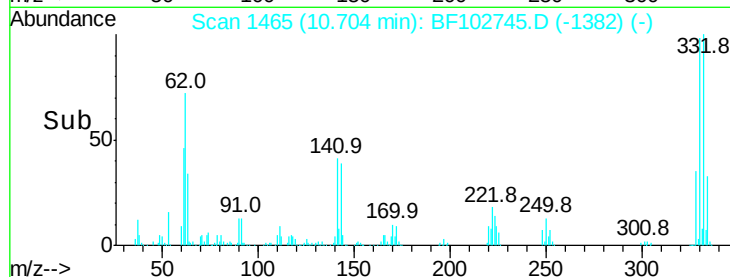
105 250.7 36.3 76.3#



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: 3.413 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

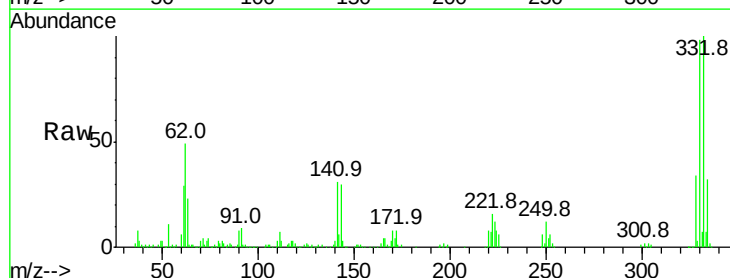
Tgt Ion:248 Resp: 21588

Ion Ratio Lower Upper

248 100

250 201.6 76.9 115.3#

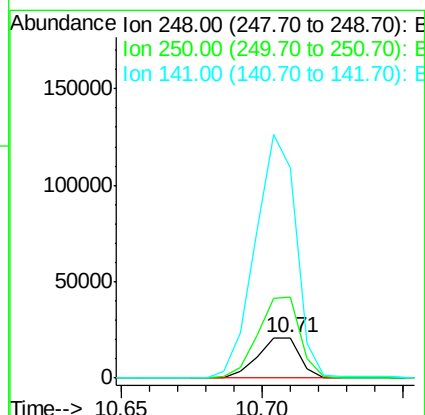
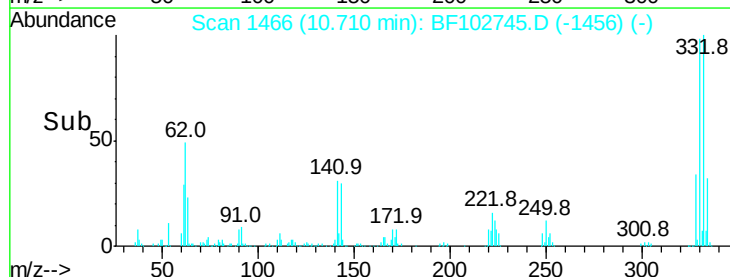
141 521.4 74.4 111.6#

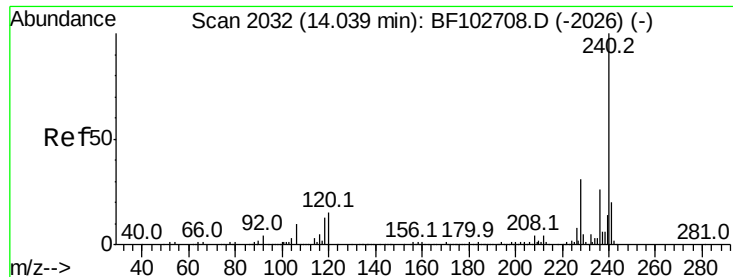


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF102745.D

Acq: 5 Feb 2018 18:33

Instrument :

BNA_F

ClientSampled :

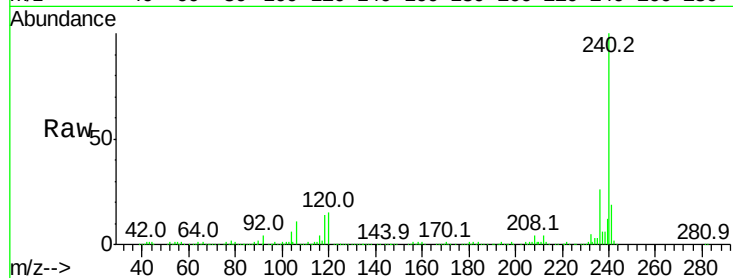
Tot Ion:240 Resp: 373584

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

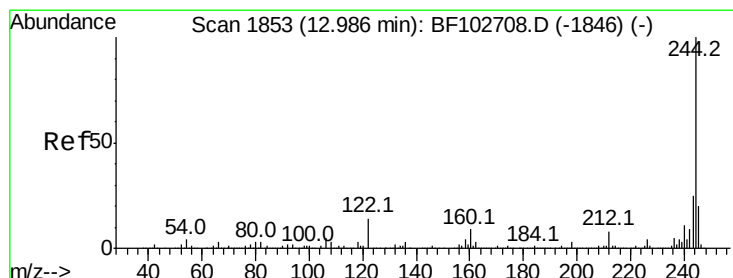
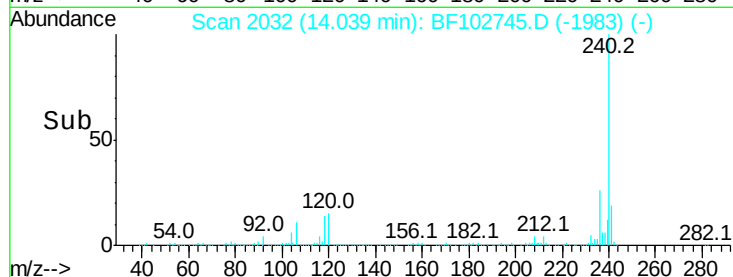
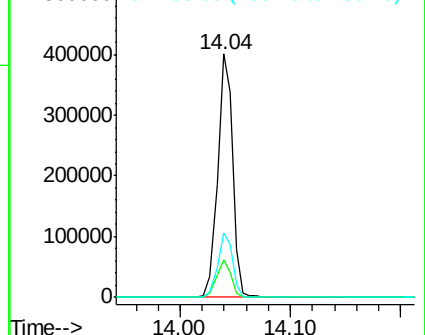
236 26.2 20.7 31.1



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: 69.088 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102745.D

Acq: 5 Feb 2018 18:33

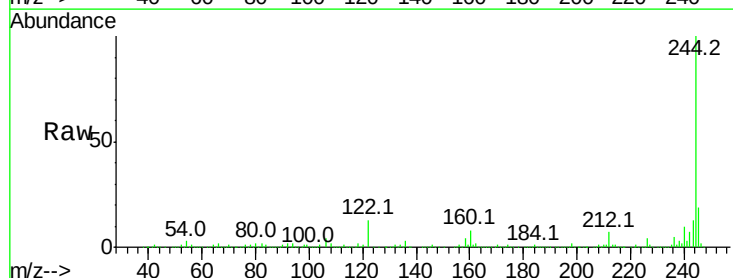
Tgt Ion:244 Resp: 1090065

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

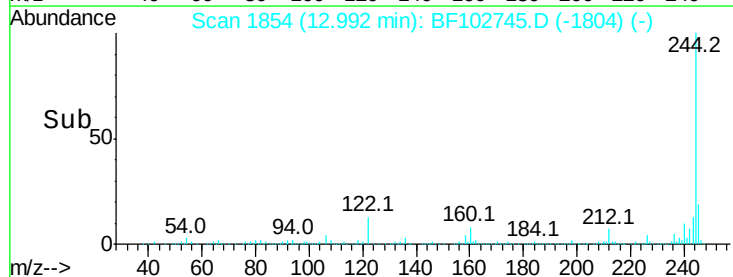
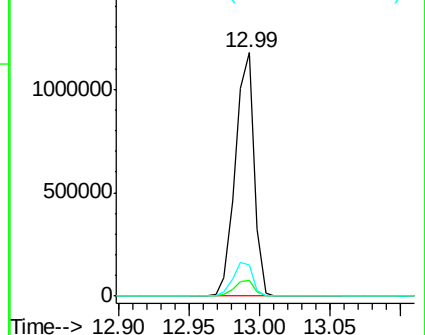
122 12.8 11.0 16.4

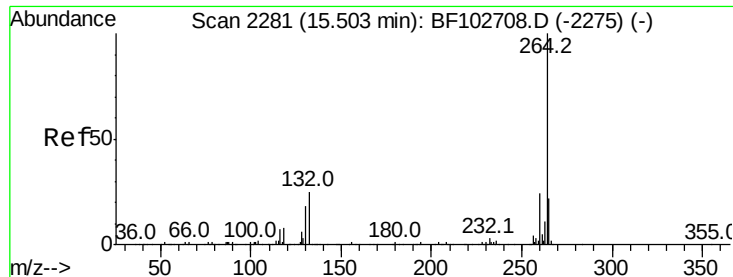


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF102745.D
Acq: 5 Feb 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.1	17.5	26.3

