

Data Path : U:\HPCHEM1\BNA F\DATA\BF012718\
 Data File : BF102547.D
 Acq On : 28 Jan 2018 8:49
 Operator : SJ/JU
 Sample : J1321-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 23:56:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153782	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	576547	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	217107	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	303270	20.00	ng	0.00
75) Chrysene-d12	13.87	240	288325	20.00	ng	0.00
86) Perylene-d12	15.30	264	252790	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	661229	65.20	ng	0.00
7) Phenol-d6	6.36	99	512003	41.87	ng	0.00
23) Nitrobenzene-d5	7.29	82	833897	83.12	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	212484	98.77	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1422497	96.34	ng	0.00
78) Terphenyl-d14	12.82	244	967948	75.68	ng	0.00

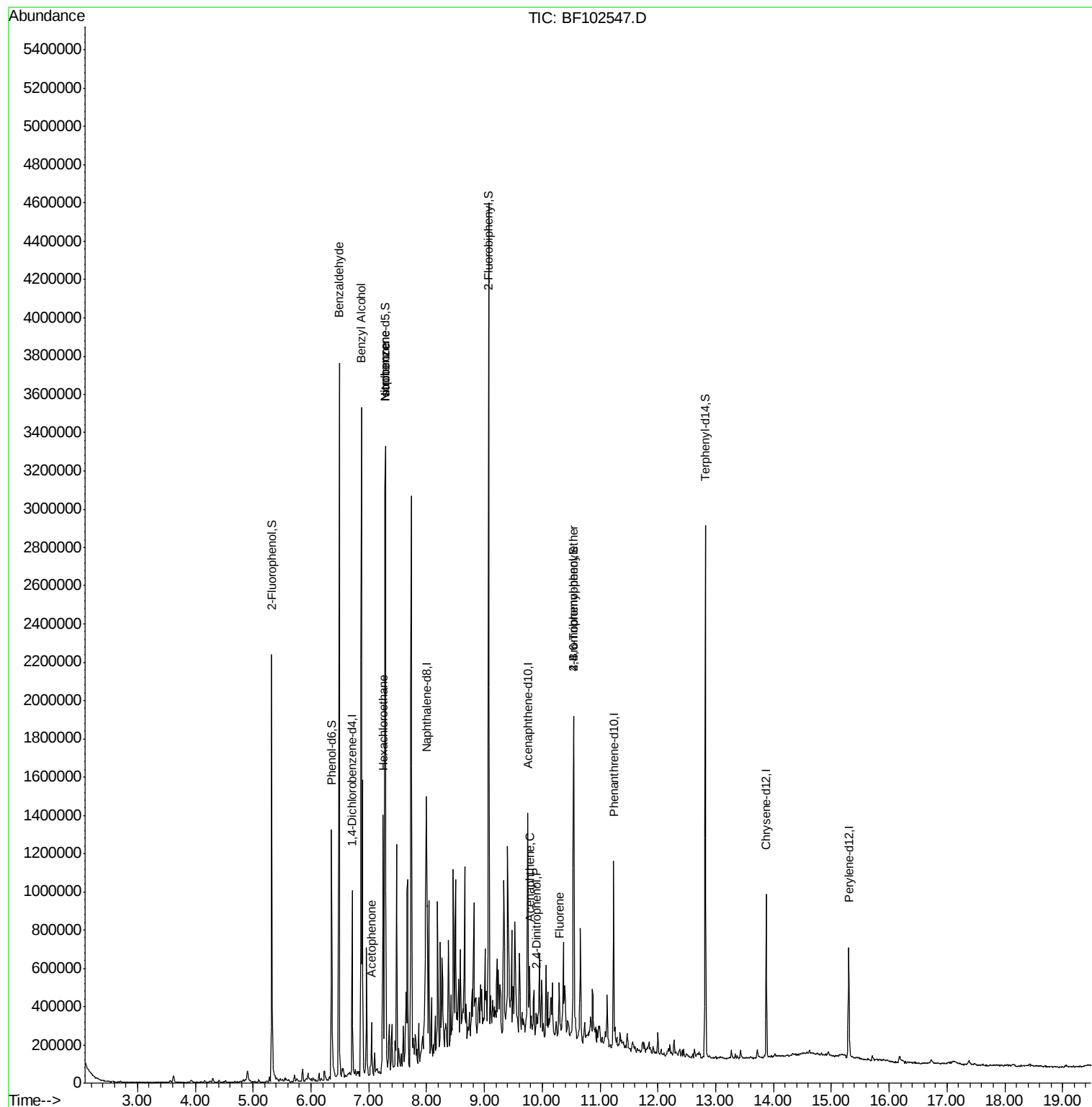
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	23491	2.771	ng	83
15) Benzyl Alcohol	6.87	79	17520	2.031	ng	# 36
18) Hexachloroethane	7.25	117	145363	32.935	ng	# 1
22) Acetophenone	7.05	105	54704	3.980	ng	# 71
24) Nitrobenzene	7.28	77	25679	2.501	ng	# 1
25) Isophorone	7.29	82	828165	46.303	ng	# 64
51) Acenaphthene	9.78	154	57106	4.159	ng	97
53) 2,4-Dinitrophenol	9.90	184	1484	4.511	ng	# 73
57) Fluorene	10.29	166	68600	4.659	ng	99
66) 4-Bromophenyl-phenylether	10.55	248	14307	4.382	ng	# 1

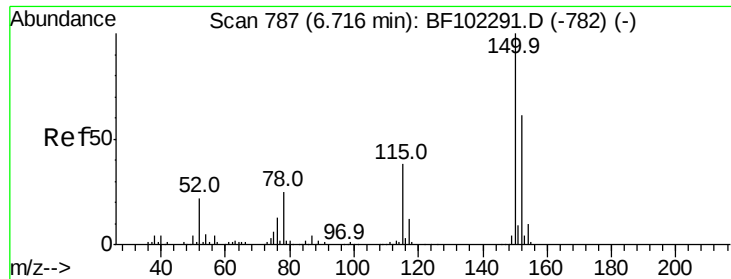
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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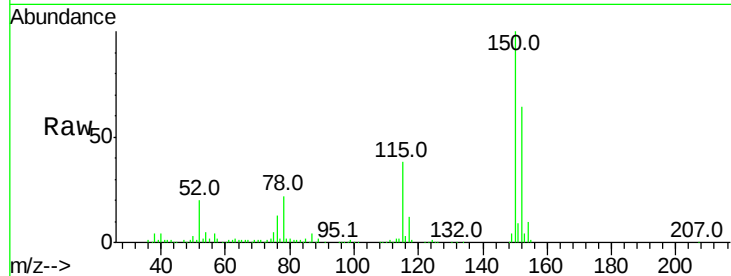


#1

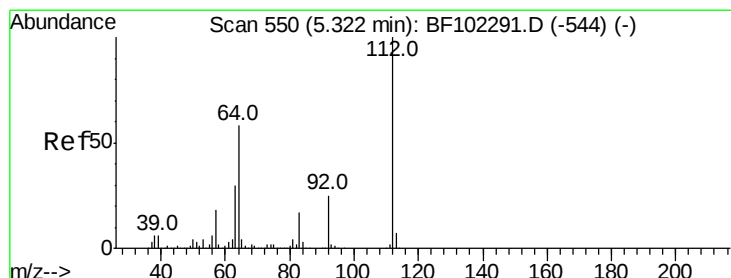
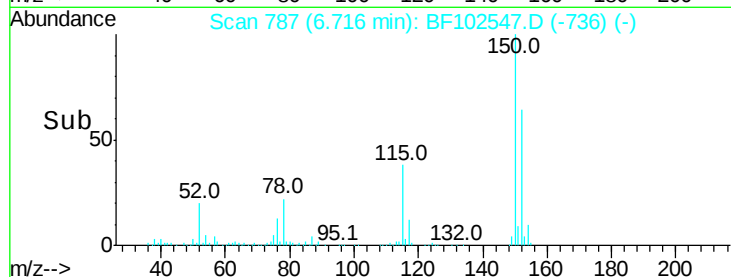
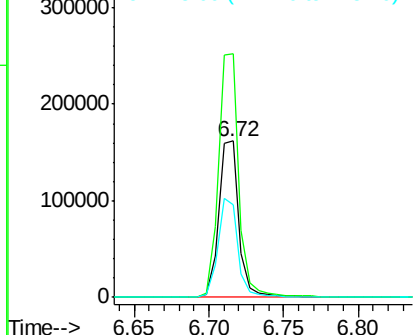
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153782
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 59.0 50.1 75.1



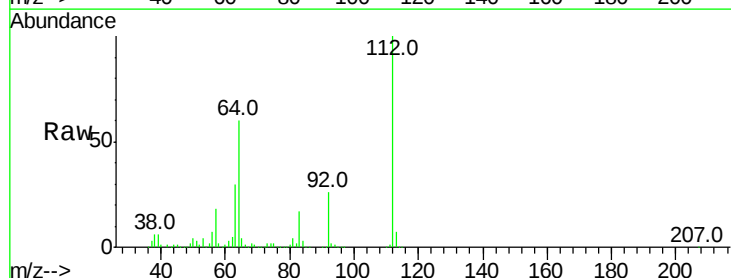
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



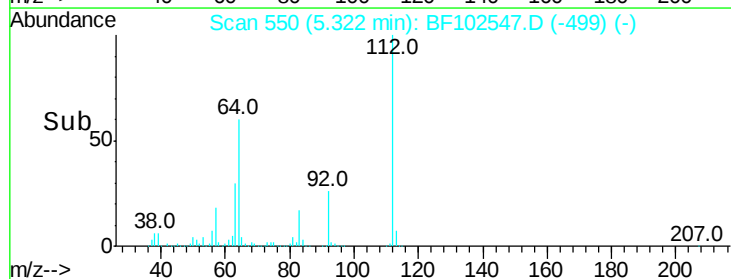
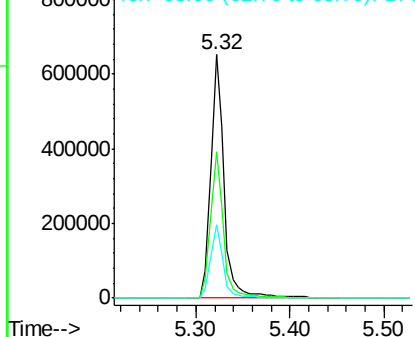
#5

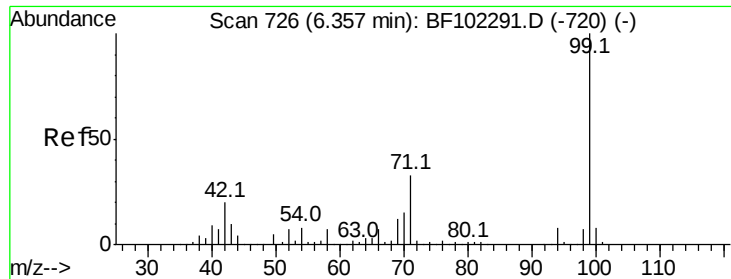
2-Fluorophenol
Concen: 65.196 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Tgt Ion:112 Resp: 661229
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 30.3 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: 41.874 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

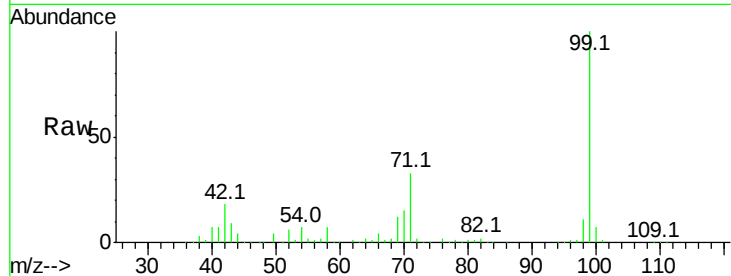
Tot Ion: 99 Resp: 512003

Ion Ratio Lower Upper

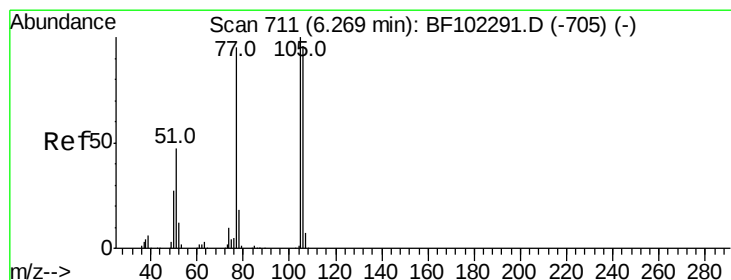
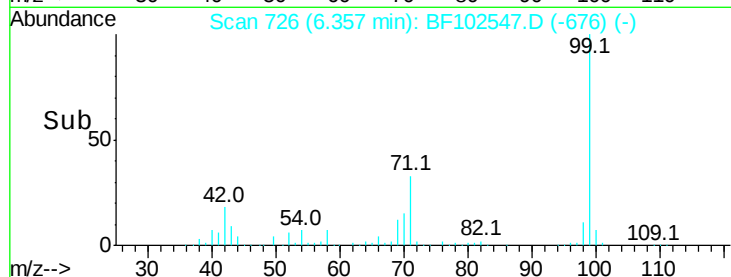
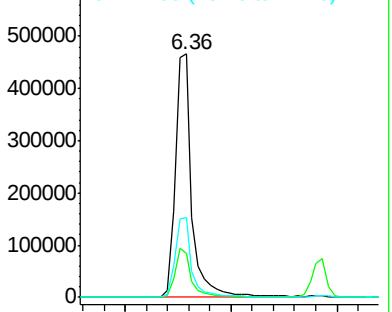
99 100

42 17.9 14.5 21.7

71 32.6 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: 2.771 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

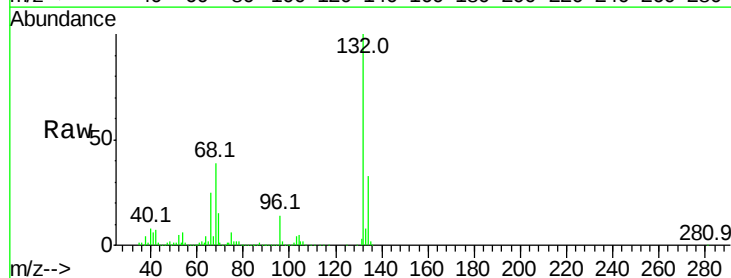
Tgt Ion: 77 Resp: 23491

Ion Ratio Lower Upper

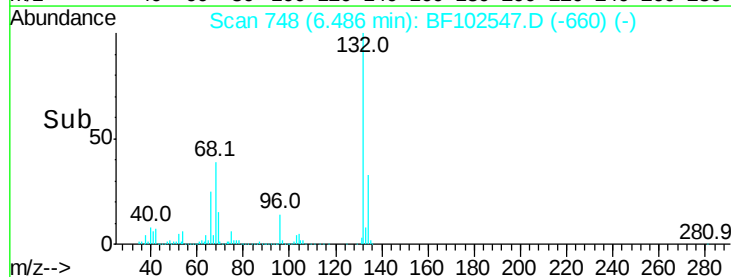
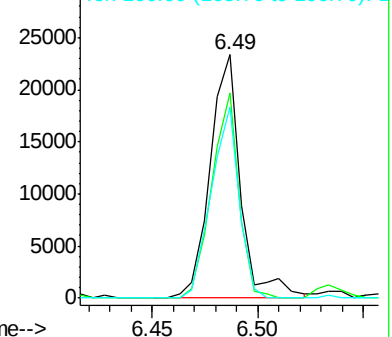
77 100

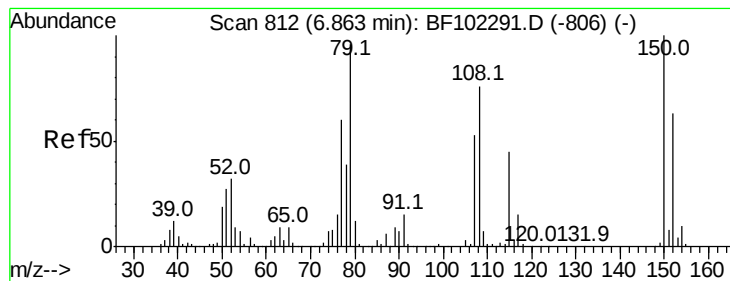
105 84.5 81.1 121.1

106 78.4 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





#15

Benzyl Alcohol

Concen: 2.031 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

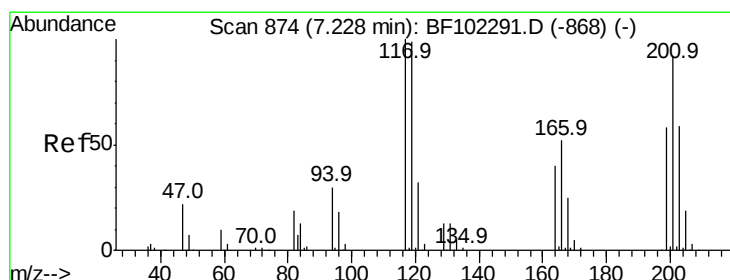
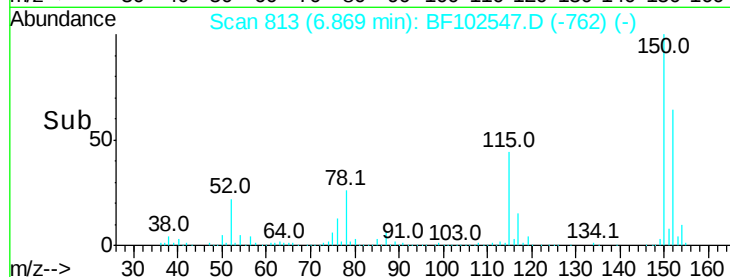
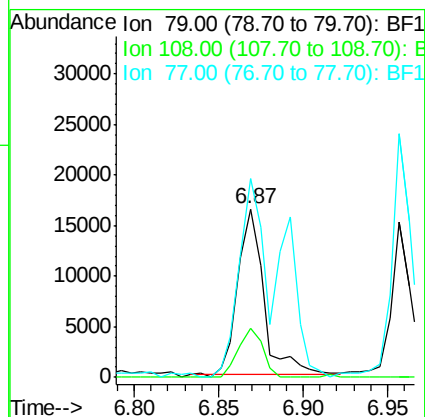
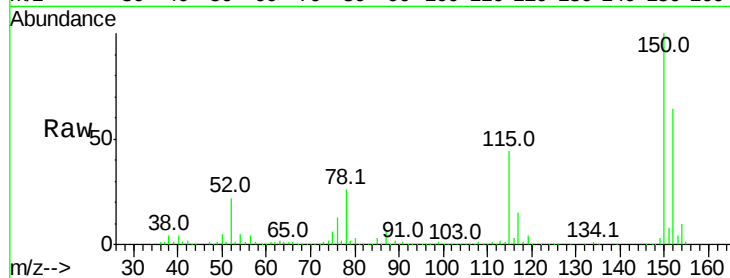
Tot Ion: 79 Resp: 17520

Ion Ratio Lower Upper

79 100

108 29.0 65.1 97.7#

77 117.7 50.6 75.8#



#18

Hexachloroethane

Concen: 32.935 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

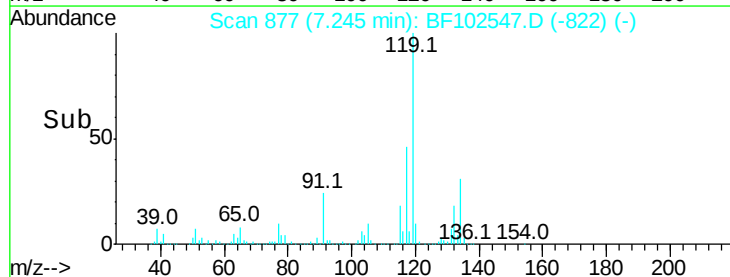
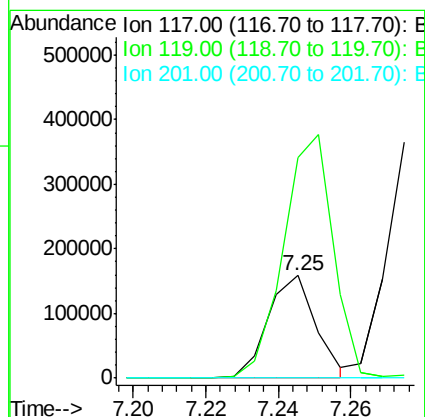
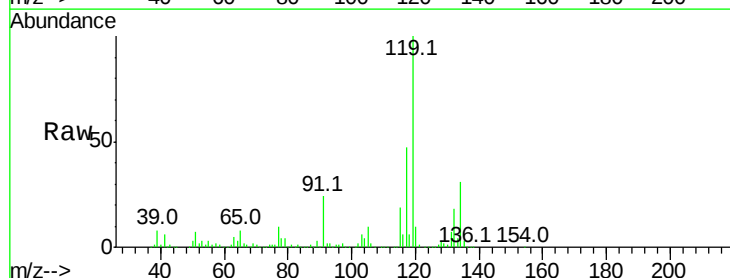
Tgt Ion: 117 Resp: 145363

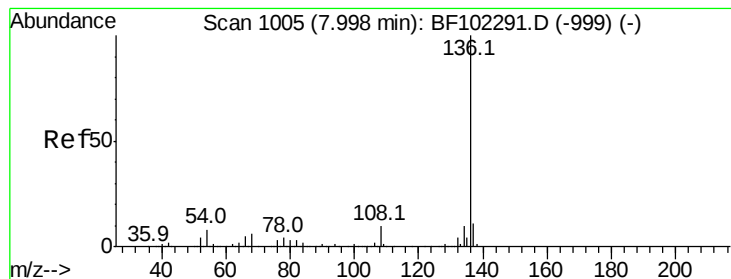
Ion Ratio Lower Upper

117 100

119 214.8 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 576547

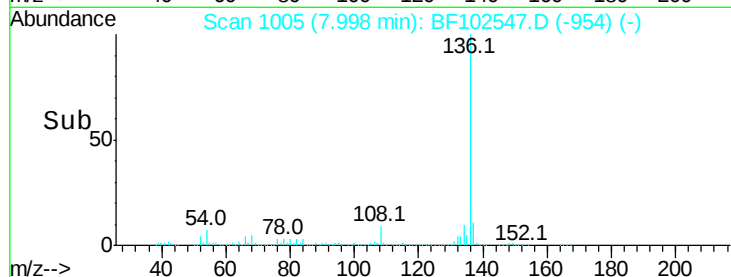
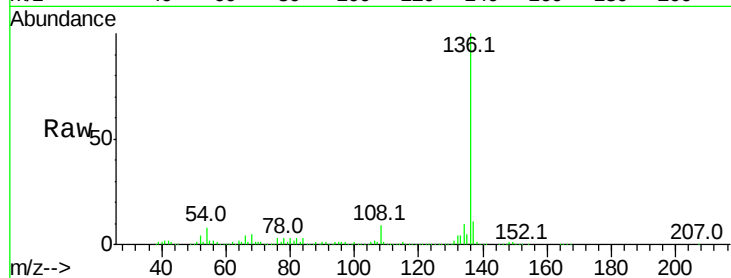
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.6 6.6 9.8

68 5.5 5.0 7.4

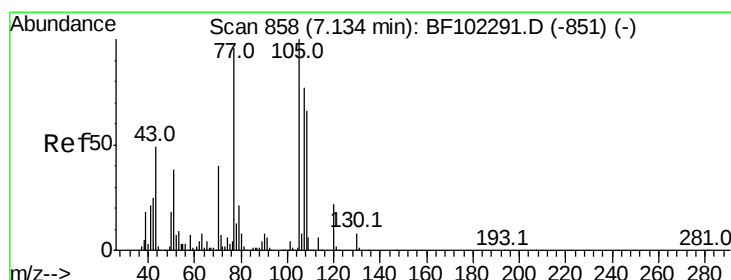
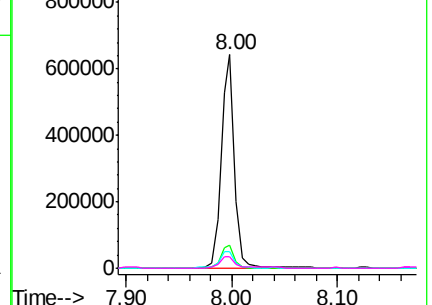


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.980 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.08 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Tgt Ion:105 Resp: 54704

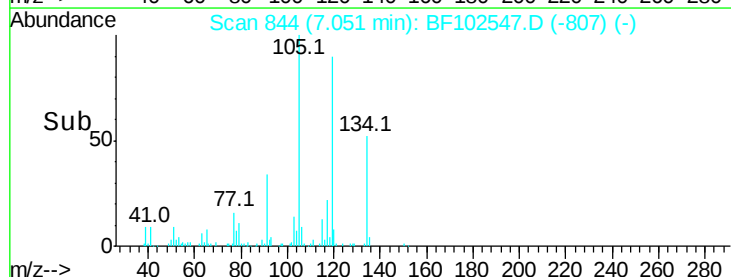
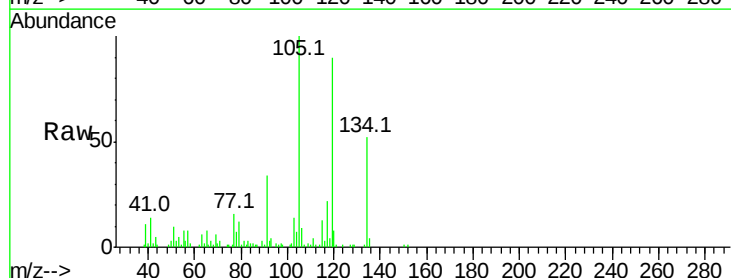
Ion Ratio Lower Upper

105 100

71 2.9 4.4 6.6#

51 10.1 22.3 33.5#

120 8.1 16.9 25.3#

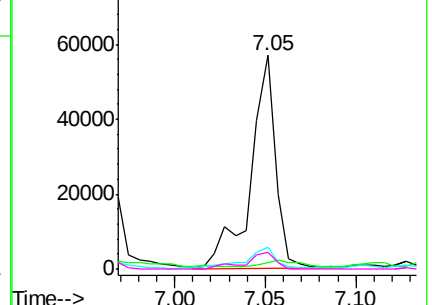


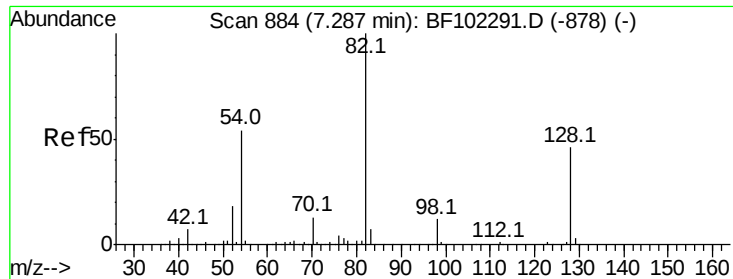
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

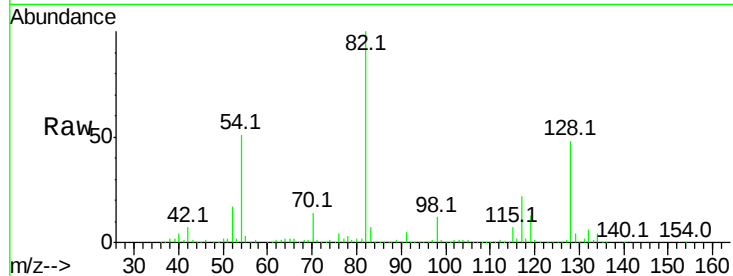




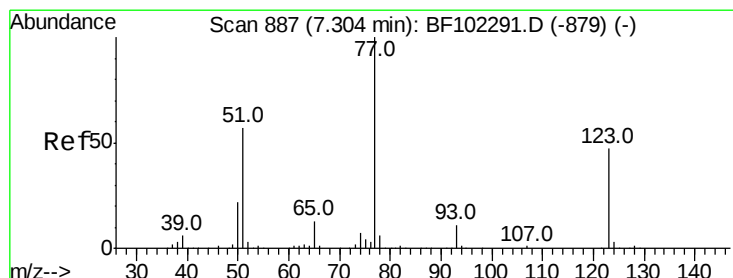
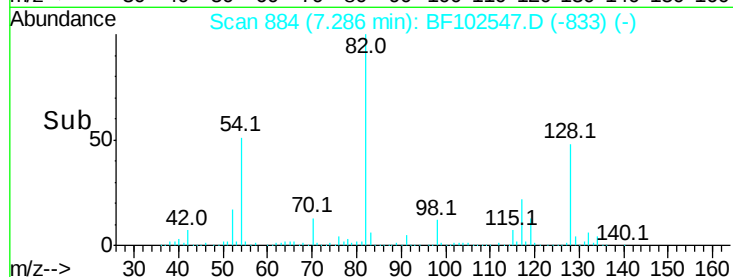
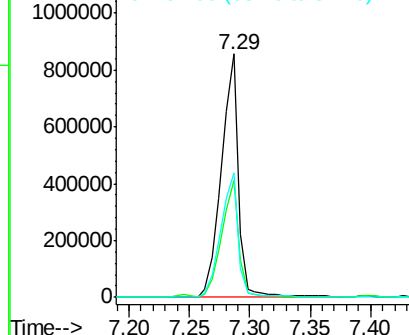
#23
Nitrobenzene-d5
Concen: 83.118 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 833897
Ion Ratio Lower Upper
82 100
128 48.1 36.1 54.1
54 51.4 41.4 62.2

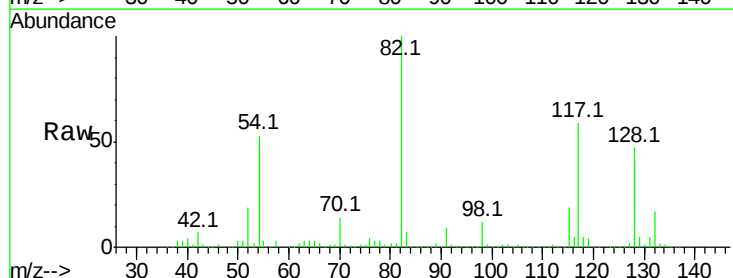


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

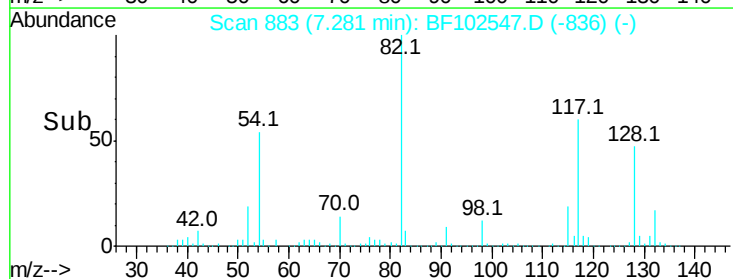
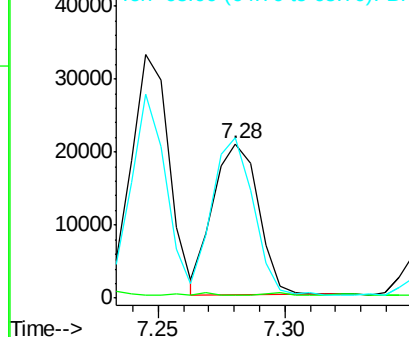


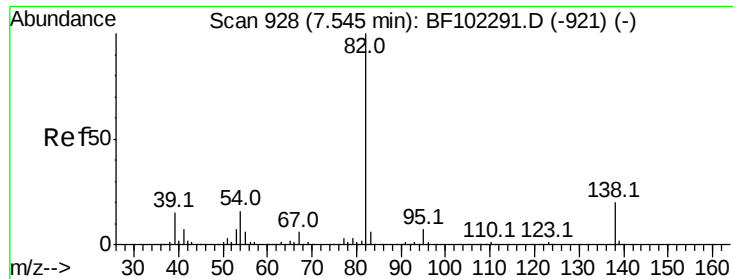
#24
Nitrobenzene
Concen: 2.501 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Tgt Ion: 77 Resp: 25679
Ion Ratio Lower Upper
77 100
123 1.8 37.9 56.9#
65 103.7 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 46.303 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

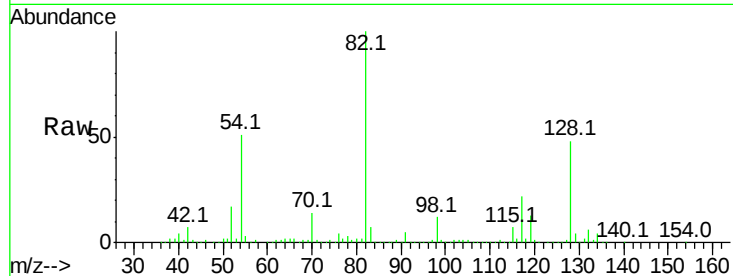
Tot Ion: 82 Resp: 828165

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

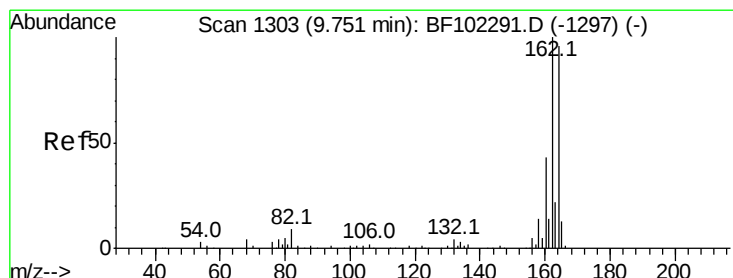
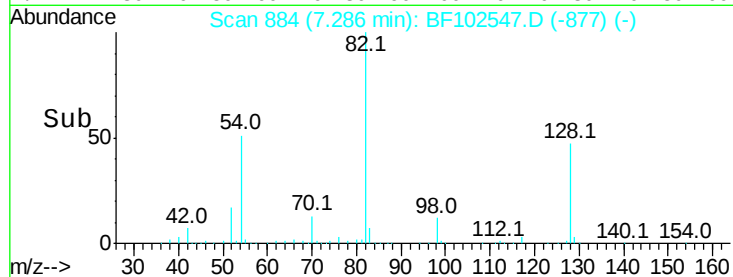
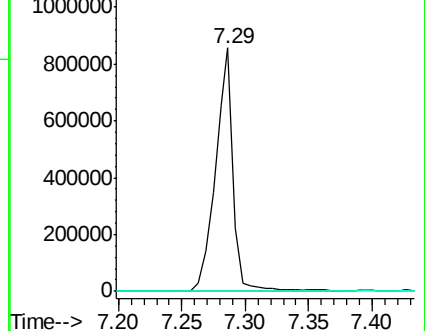
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

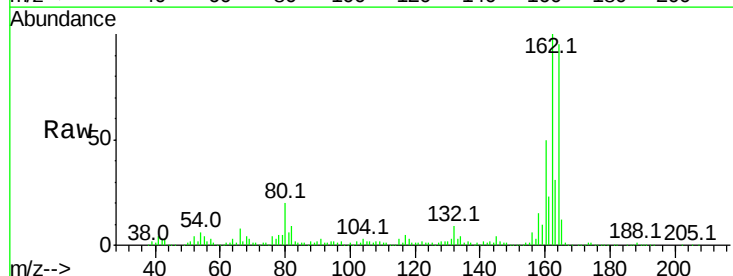
Tgt Ion:164 Resp: 217107

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

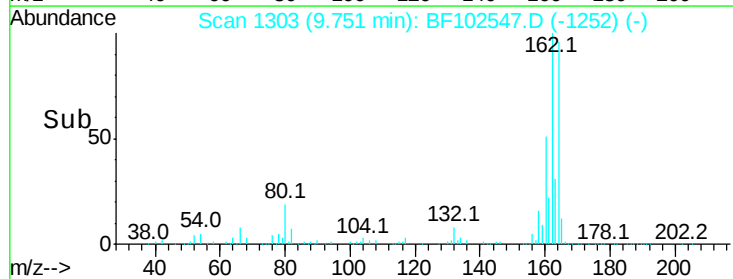
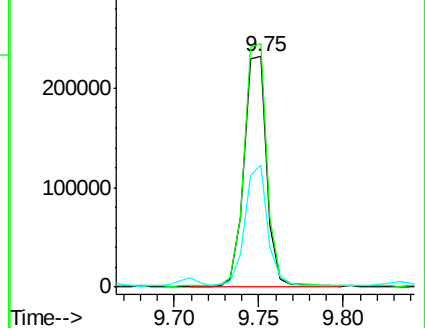
160 52.8 38.3 57.5

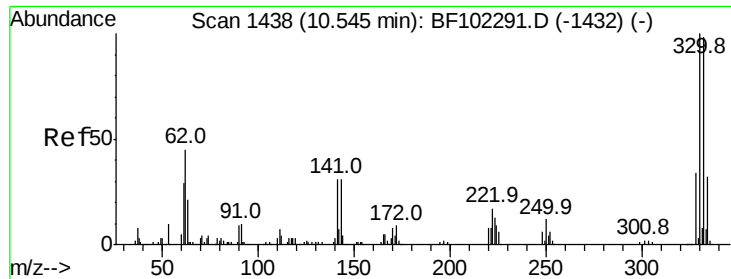


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

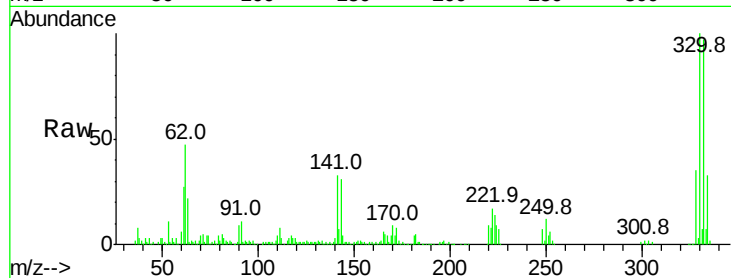




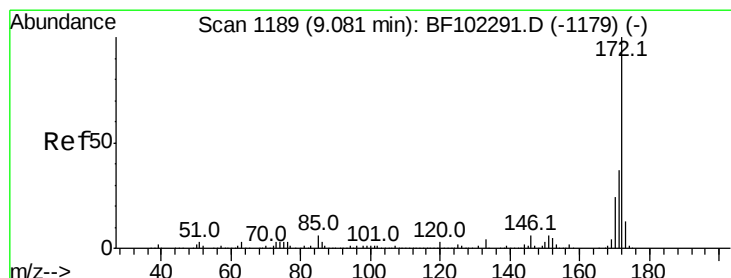
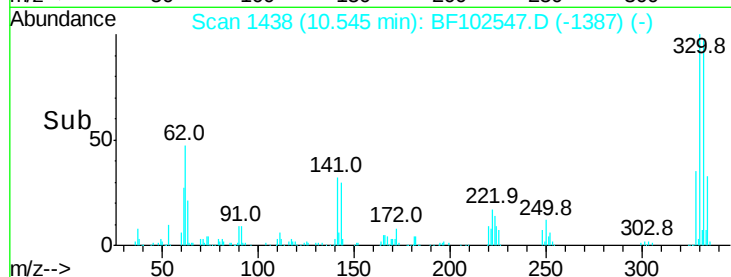
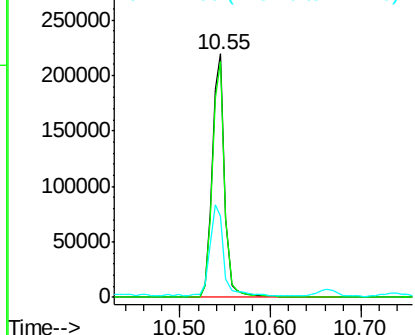
#41
 2,4,6-Tribromophenol
 Concen: 98.774 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102547.D
 Acq: 28 Jan 2018 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 212484
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 39.6 29.9 44.9

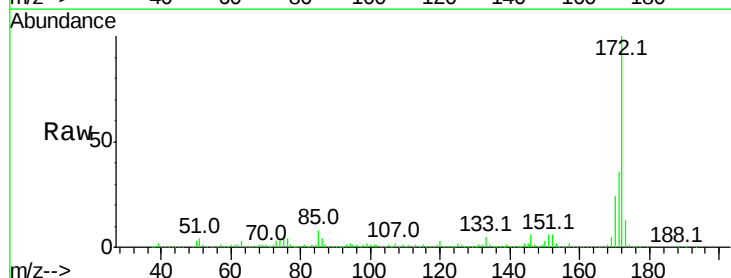


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

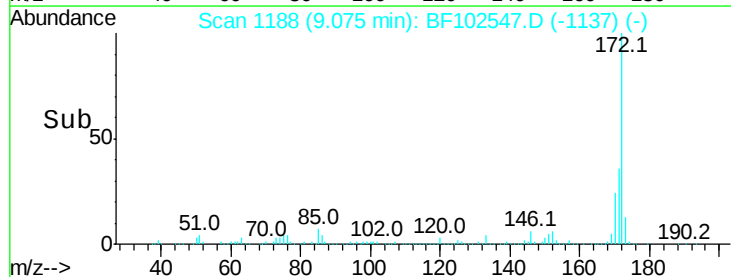
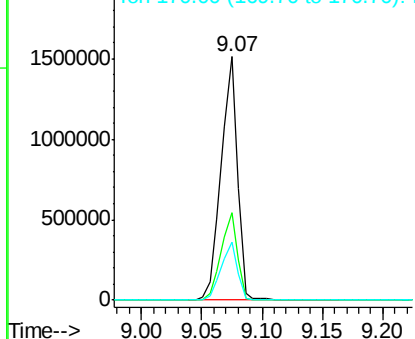


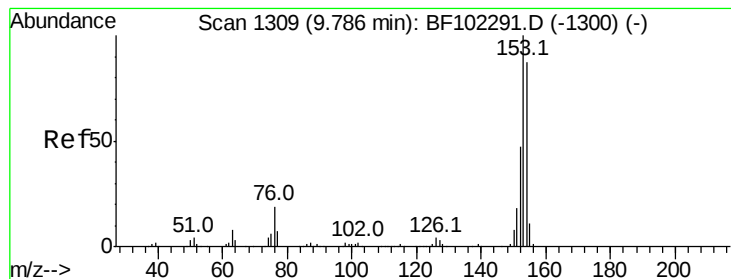
#44
 2-Fluorobiphenyl
 Concen: 96.338 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102547.D
 Acq: 28 Jan 2018 8:49

Tgt Ion:172 Resp: 1422497
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.9 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





#51

Acenaphthene

Concen: 4.159 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

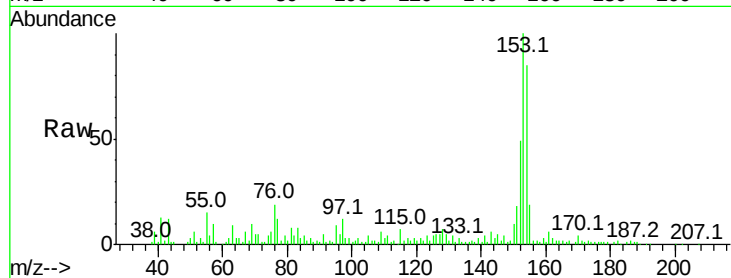
Tot Ion:154 Resp: 57106

Ion Ratio Lower Upper

154 100

153 117.2 91.2 136.8

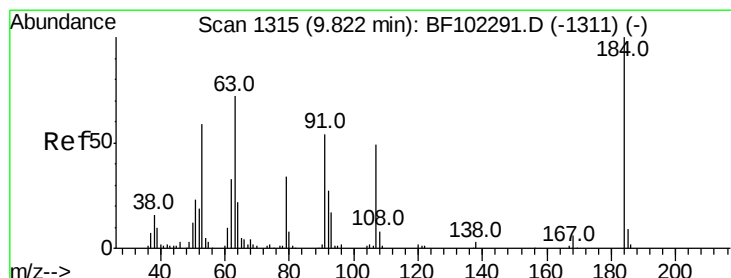
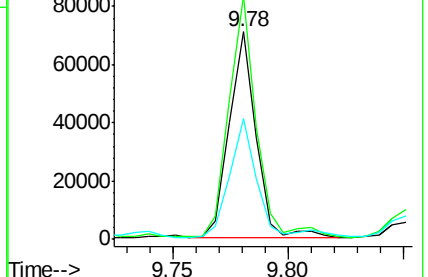
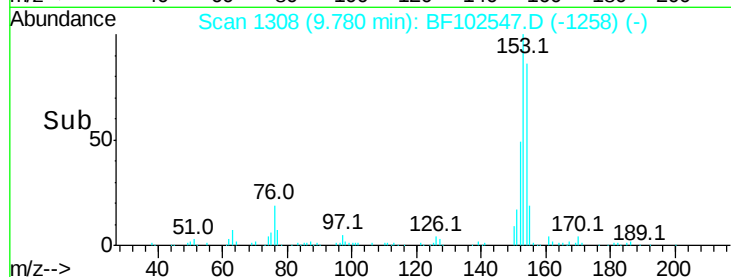
152 57.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.511 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.06 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

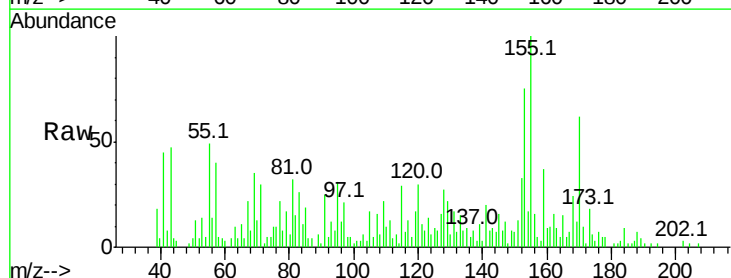
Tgt Ion:184 Resp: 1484

Ion Ratio Lower Upper

184 100

63 120.1 54.2 81.2#

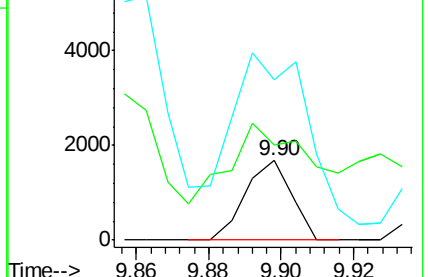
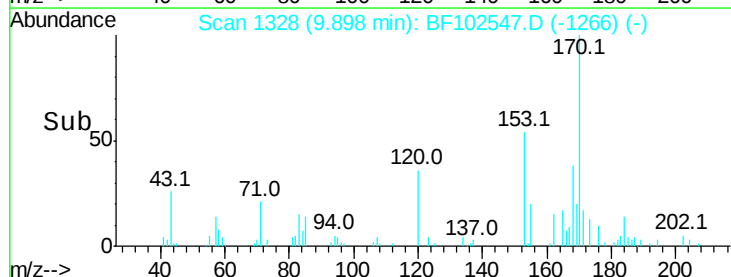
154 203.0 184.0 276.0

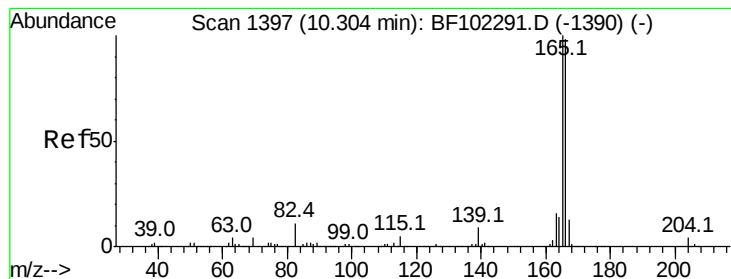


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 4.659 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampleId :

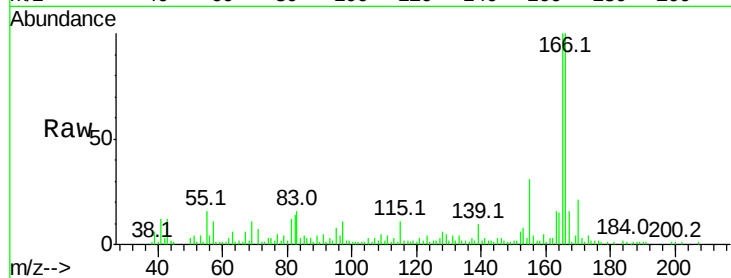
Tot Ion:166 Resp: 68600

Ion Ratio Lower Upper

166 100

165 100.5 79.8 119.8

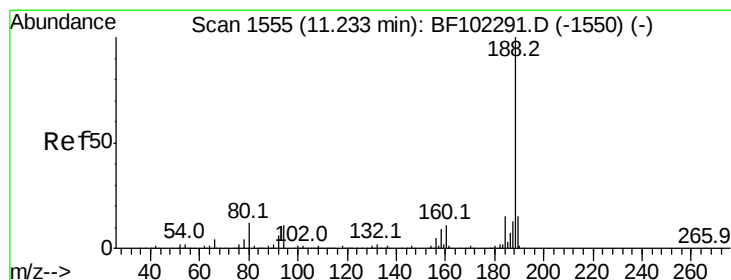
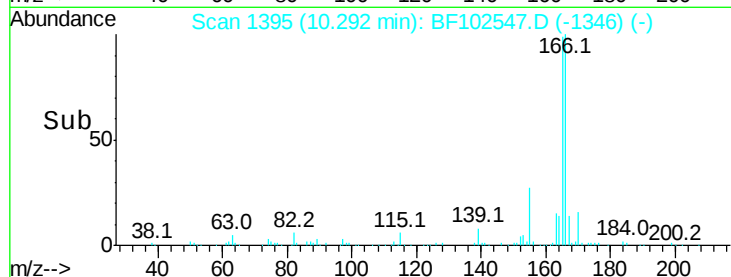
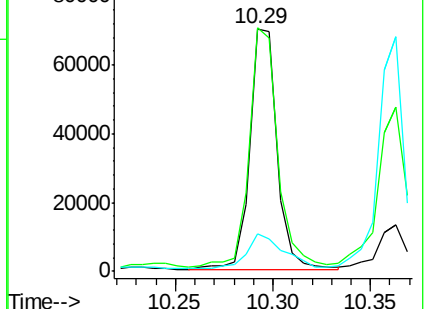
167 15.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

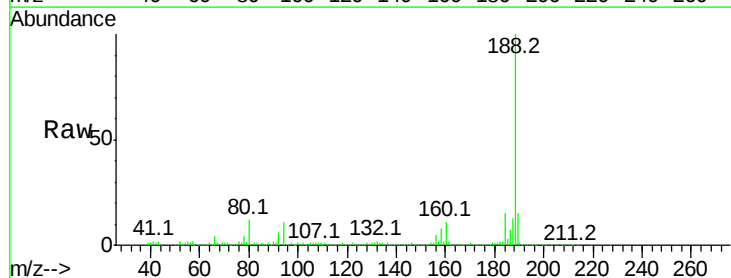
Tgt Ion:188 Resp: 303270

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

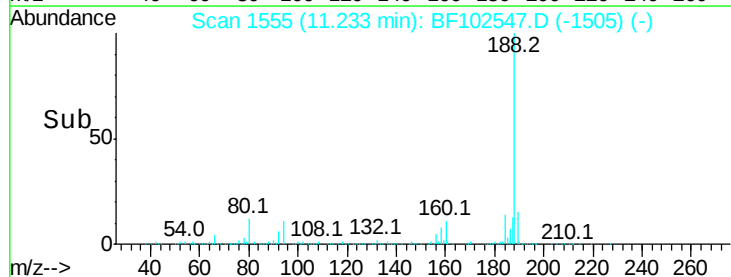
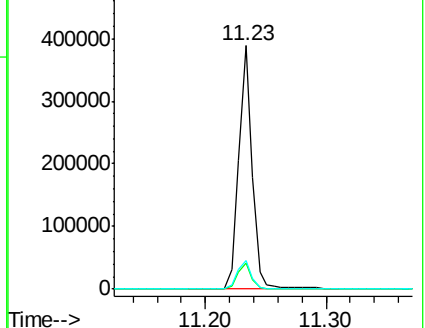
80 11.7 9.2 13.8

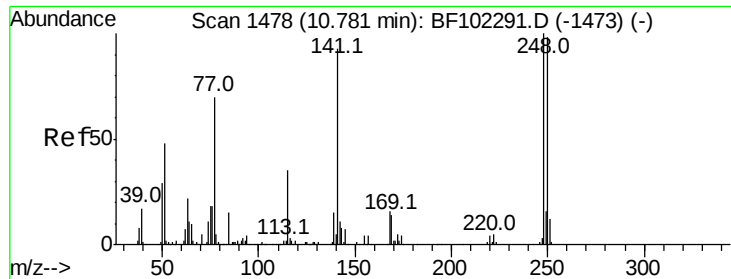


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

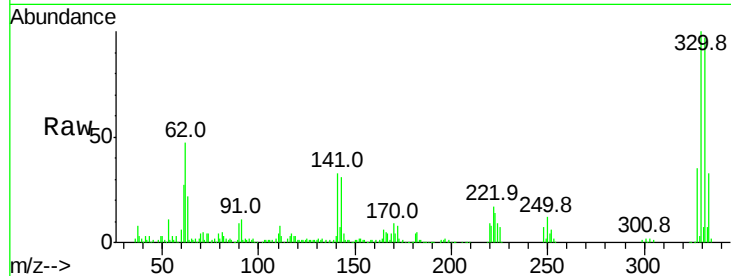




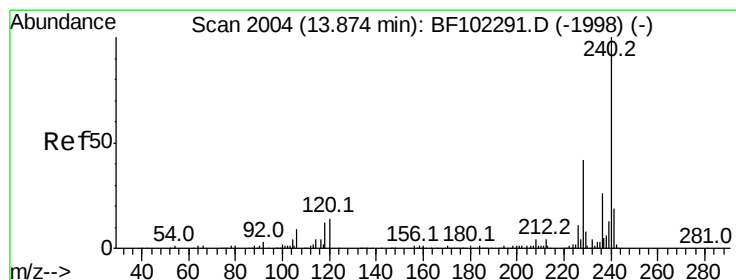
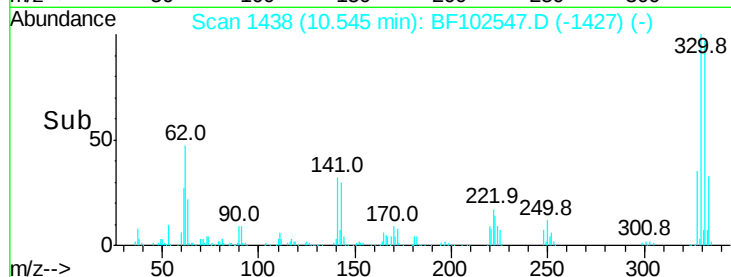
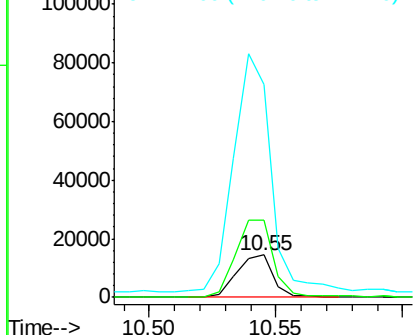
#66
4-Bromophenyl-phenylether
Concen: 4.382 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14307
Ion Ratio Lower Upper
248 100
250 183.7 76.9 115.3#
141 502.7 74.4 111.6#

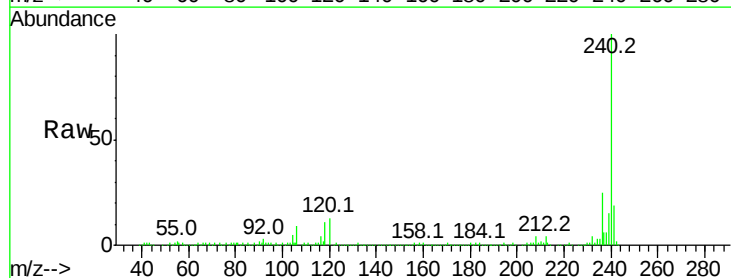


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

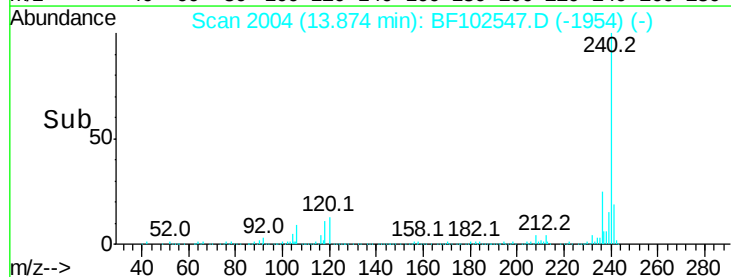
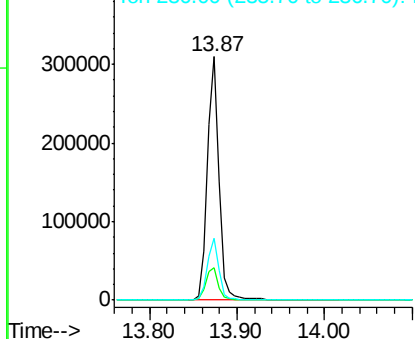


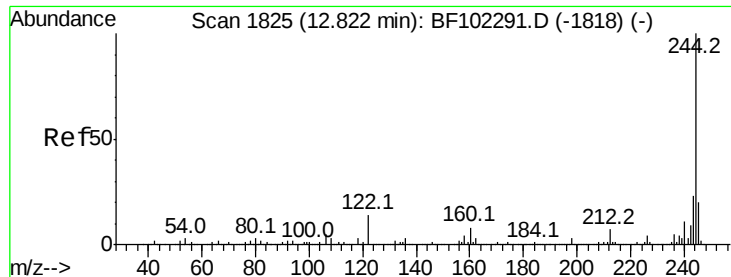
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF102547.D
Acq: 28 Jan 2018 8:49

Tgt Ion:240 Resp: 288325
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 25.5 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: 75.682 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

Instrument :

BNA_F

ClientSampled :

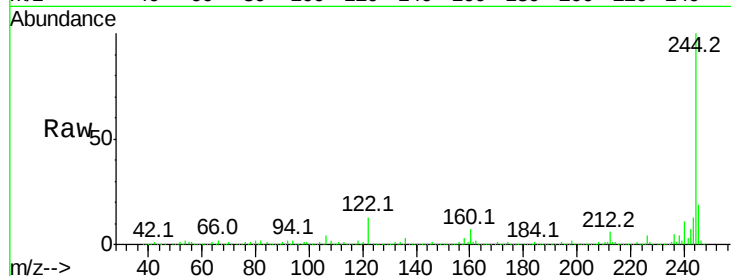
Tot Ion:244 Resp: 967948

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

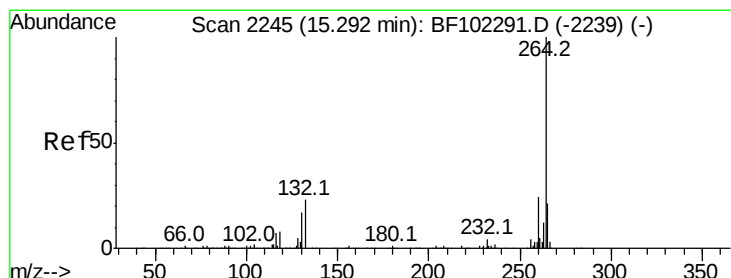
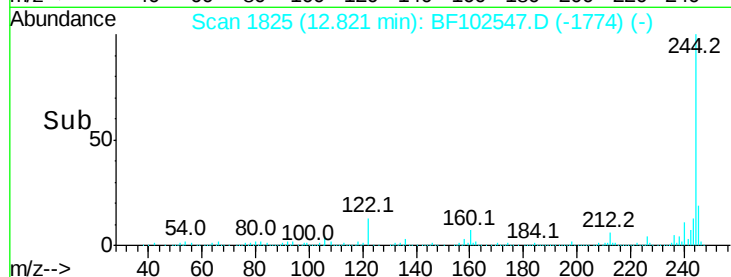
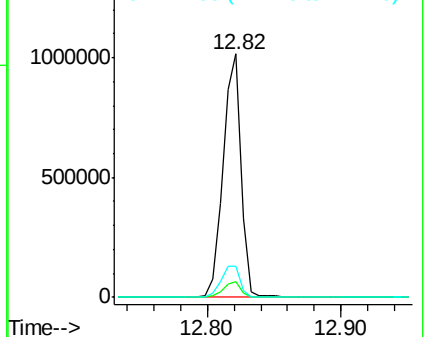
122 12.9 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF102547.D

Acq: 28 Jan 2018 8:49

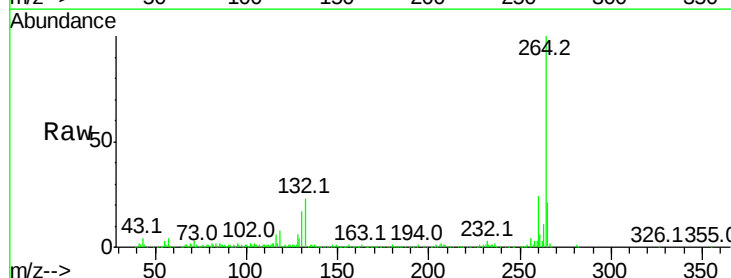
Tgt Ion:264 Resp: 252790

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.4 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

