

Data Path : U:\HPCHEM1\BNA F\DATA\BF012718\
 Data File : BF102537.D
 Acq On : 28 Jan 2018 3:26
 Operator : SJ/JU
 Sample : J1338-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 23:53:22 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

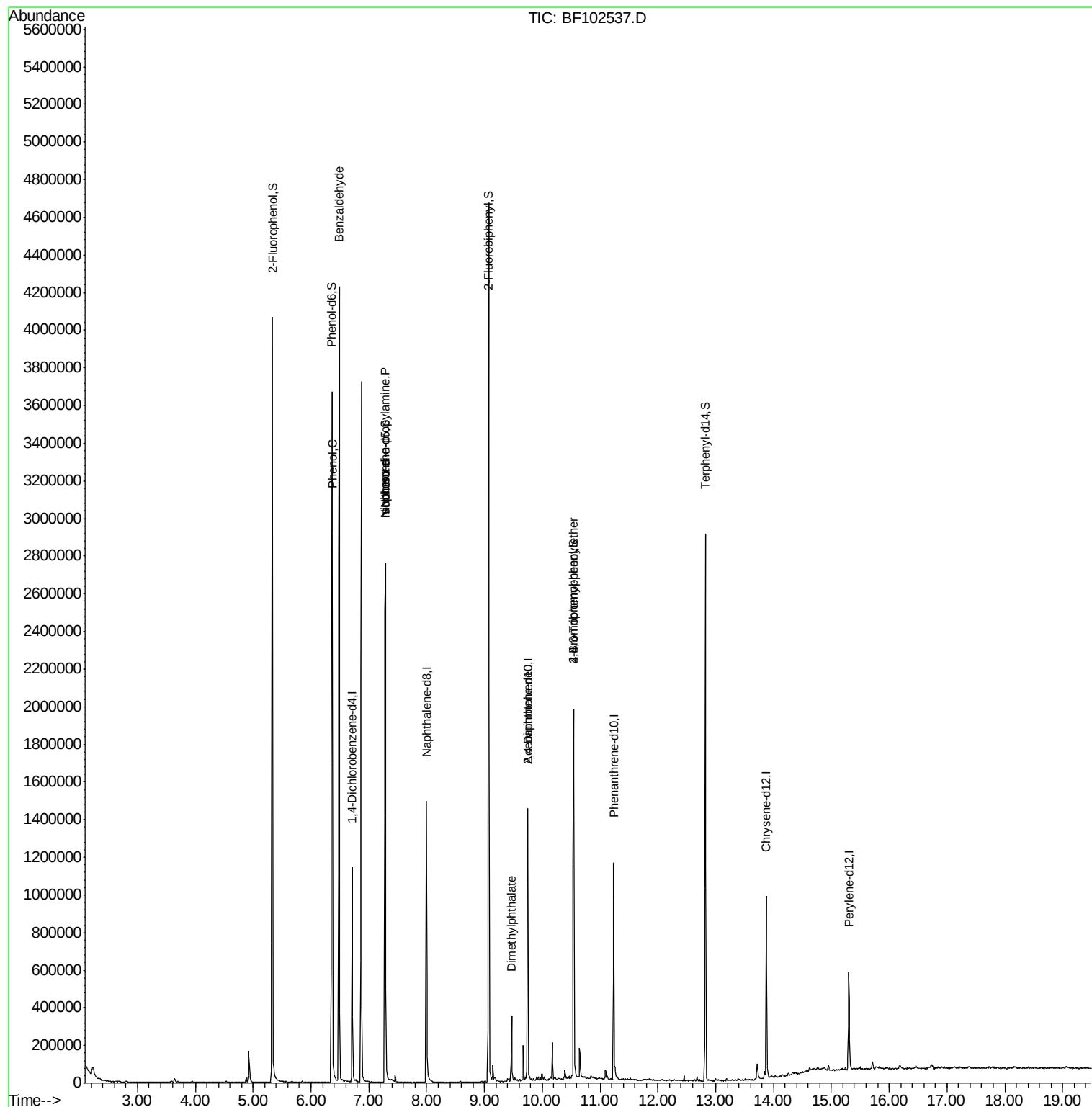
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	186518	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	733127	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	291593	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	412090	20.00	ng	0.00
75) Chrysene-d12	13.87	240	313693	20.00	ng	0.00
86) Perylene-d12	15.30	264	224196	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1329117	108.05	ng	0.01
7) Phenol-d6	6.36	99	1549092	104.46	ng	0.00
23) Nitrobenzene-d5	7.29	82	1003811	78.68	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	233328	80.76	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1507073	75.99	ng	0.00
78) Terphenyl-d14	12.82	244	952715	68.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	26835	2.618	ng	84
10) Phenol	6.37	94	58385	3.606	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	133083	14.664	ng	# 78
25) Isophorone	7.29	82	987746	43.430	ng	# 64
49) Dimethylphthalate	9.47	163	147668	6.127	ng	98
56) 2,4-Dinitrotoluene	9.75	165	36673	5.739	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	15929	3.591	ng	# 1

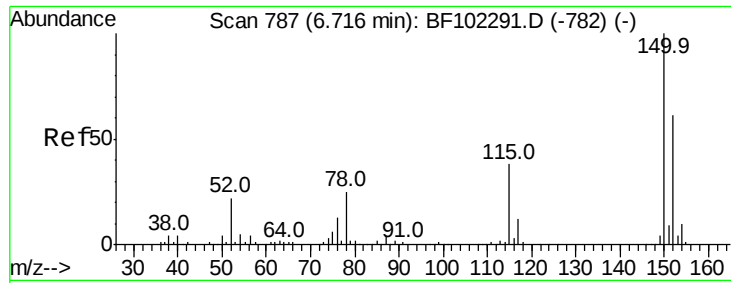
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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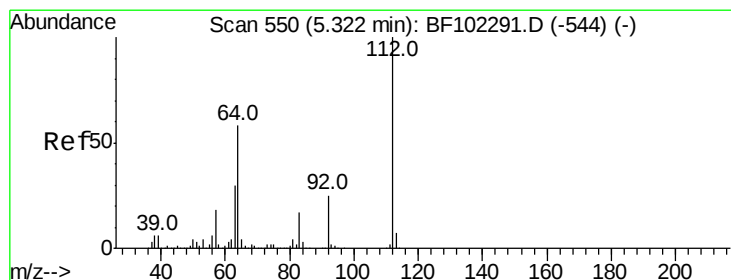
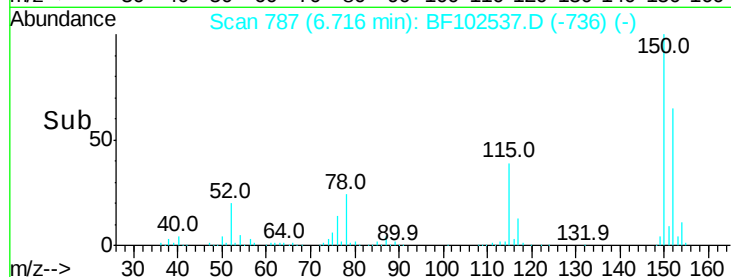
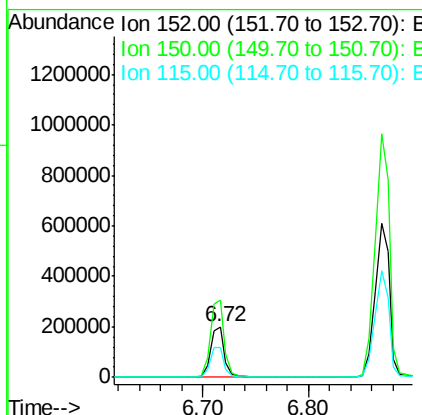
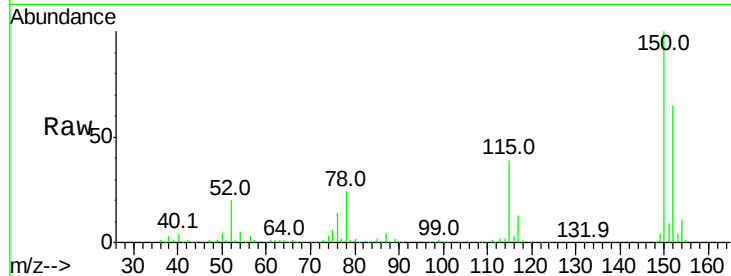




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102537.D
 Acq: 28 Jan 2018 3:26

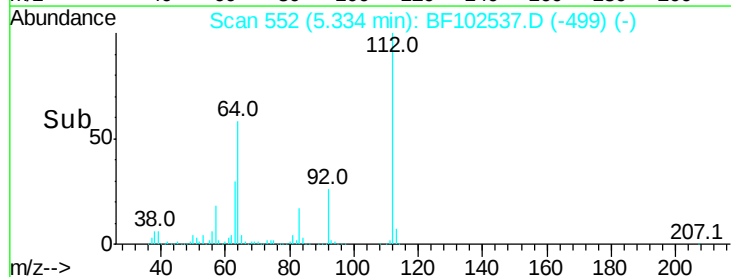
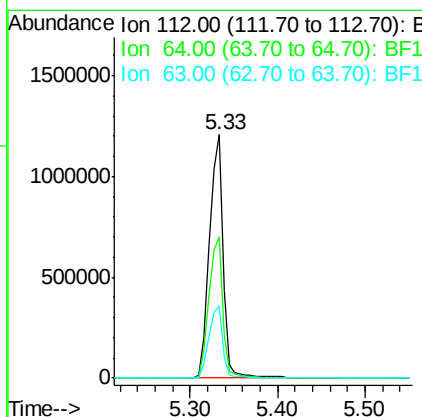
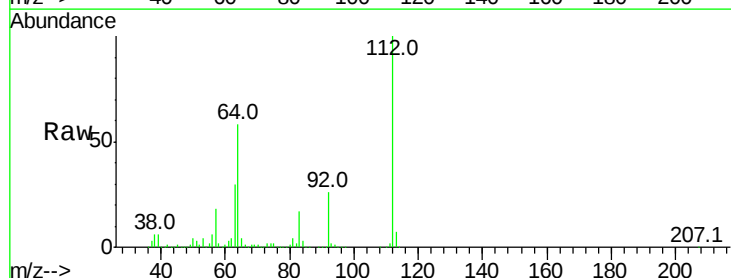
Instrument :
 BNA_F
 ClientSampleId :

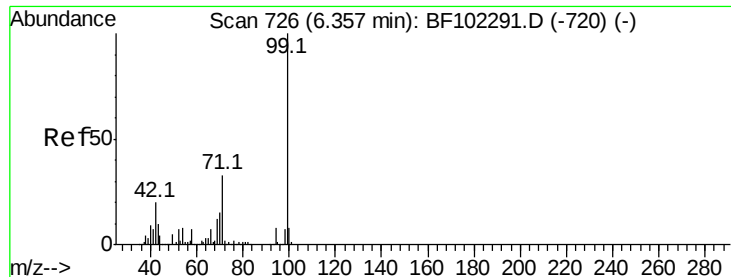
Tot Ion:152 Resp: 186518
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.6 186.8
 115 59.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 108.048 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102537.D
 Acq: 28 Jan 2018 3:26

Tgt Ion:112 Resp: 1329117
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.9 71.9
 63 29.8 23.7 35.5





#7

Phenol-d6

Concen: 104.455 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Instrument :

BNA_F

ClientSampleId :

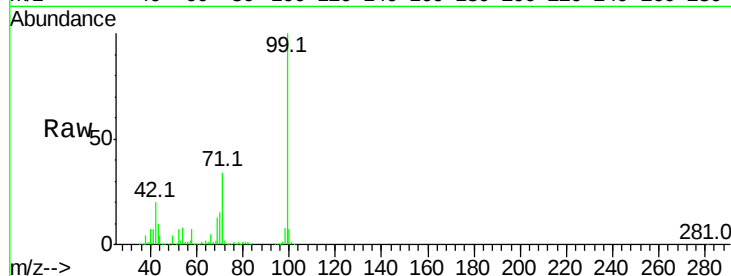
Tot Ion: 99 Resp: 1549092

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

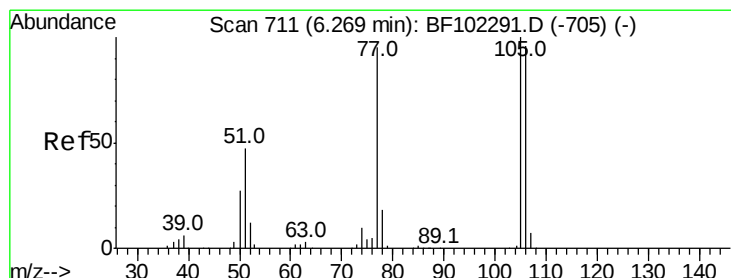
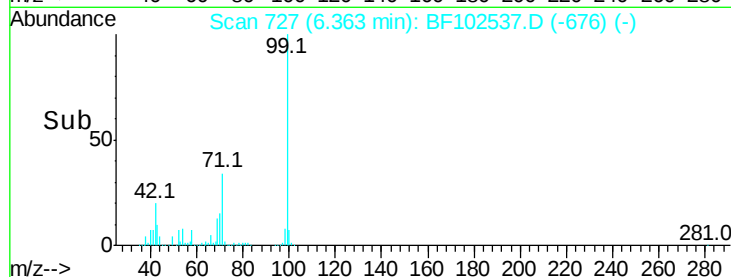
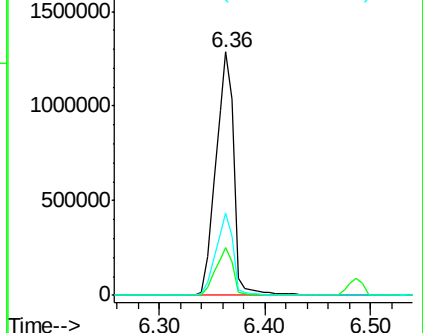
71 33.9 25.4 38.0



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: 2.618 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

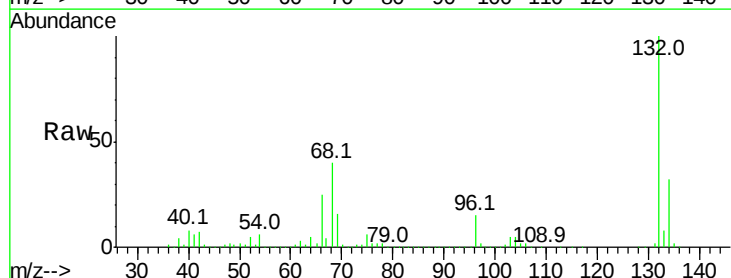
Tgt Ion: 77 Resp: 26835

Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

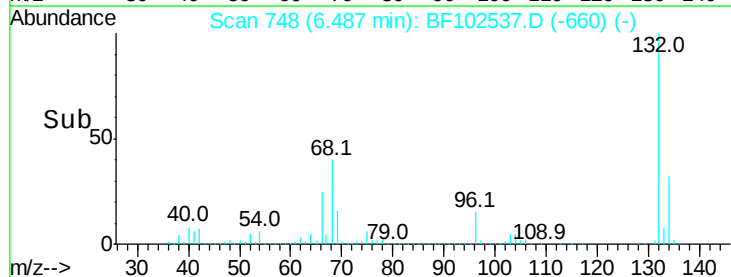
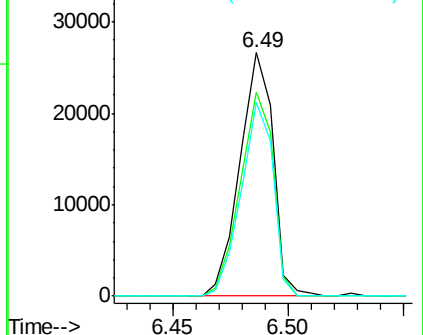
106 79.4 74.5 114.5

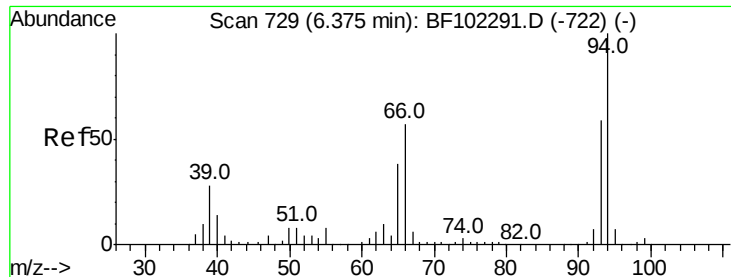


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.606 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

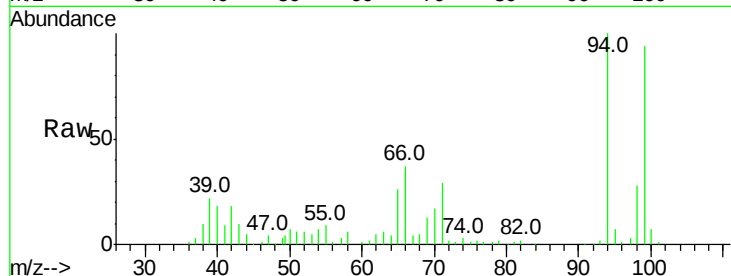
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 58385

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.9	47.9
66	36.6	16.2	56.2

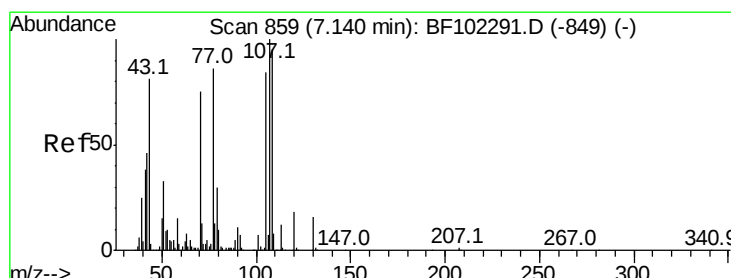
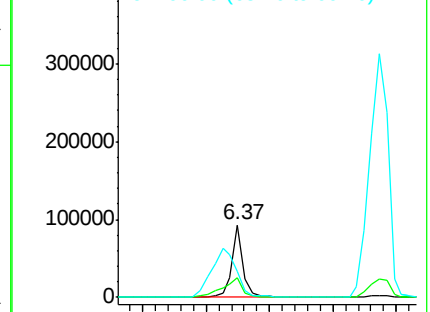
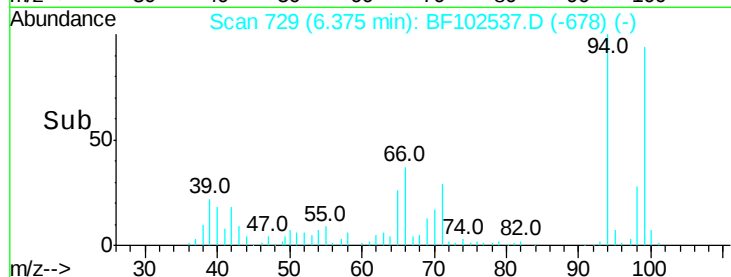


Abundance

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: 14.664 ng

RT: 7.29 min Scan# 884

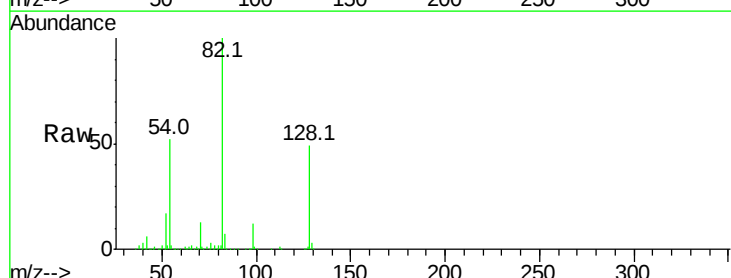
Delta R.T. 0.15 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Tgt Ion: 70 Resp: 133083

Ion	Ratio	Lower	Upper
70	100		
42	48.0	47.5	71.3
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#



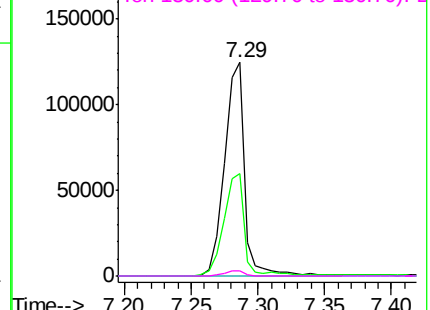
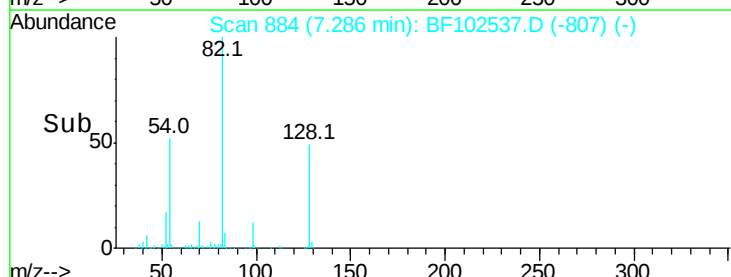
Abundance

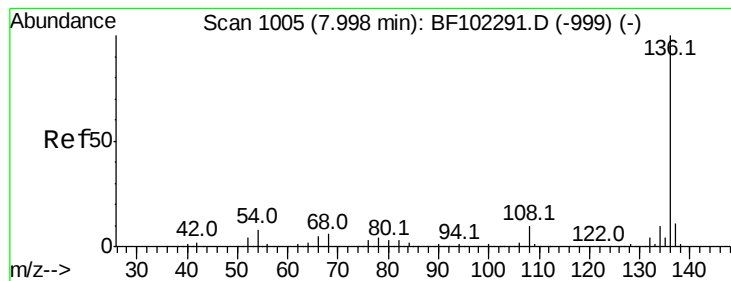
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 733127

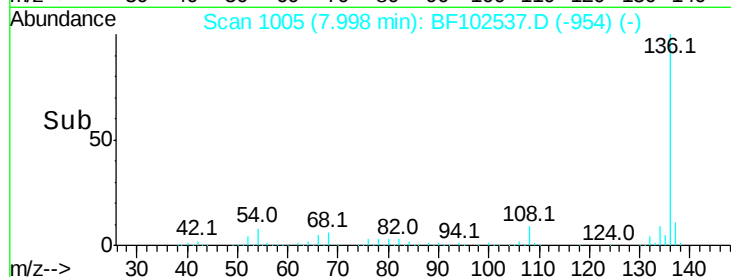
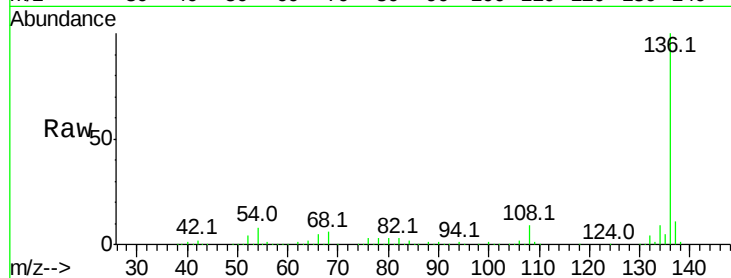
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 6.3 5.0 7.4

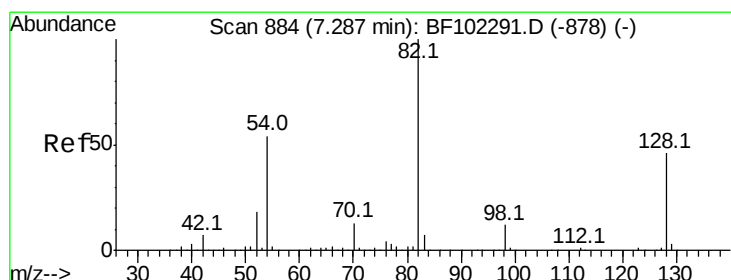
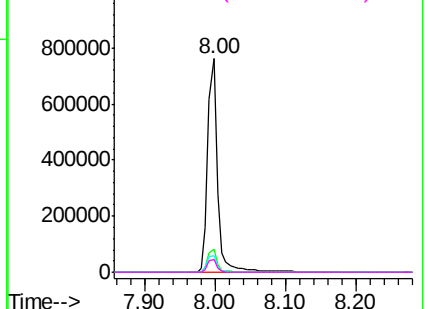


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.685 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

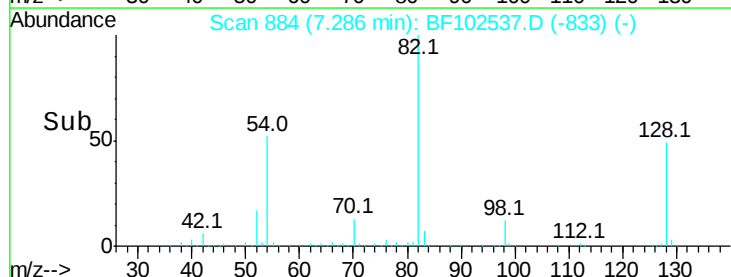
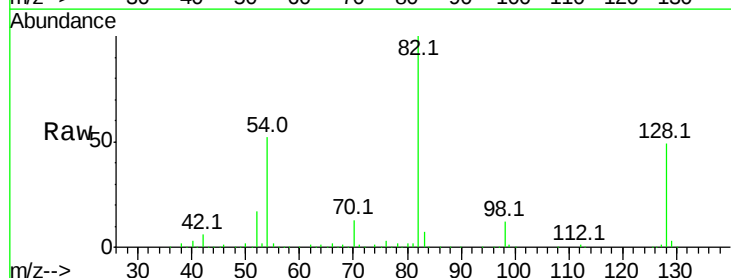
Tgt Ion: 82 Resp: 1003811

Ion Ratio Lower Upper

82 100

128 49.1 36.1 54.1

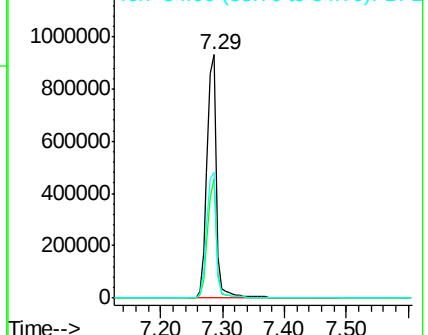
54 51.6 41.4 62.2

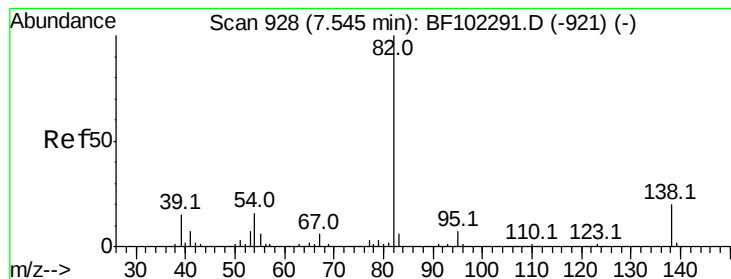


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.430 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Instrument :

BNA_F

ClientSampleId :

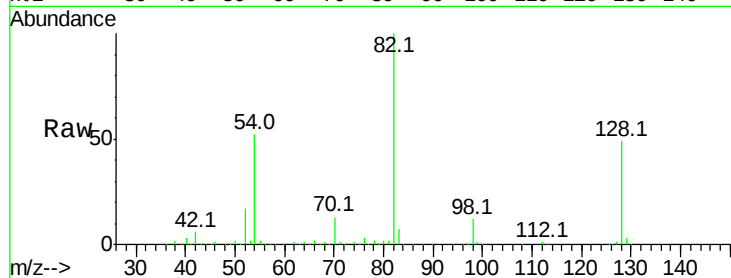
Tot Ion: 82 Resp: 987746

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

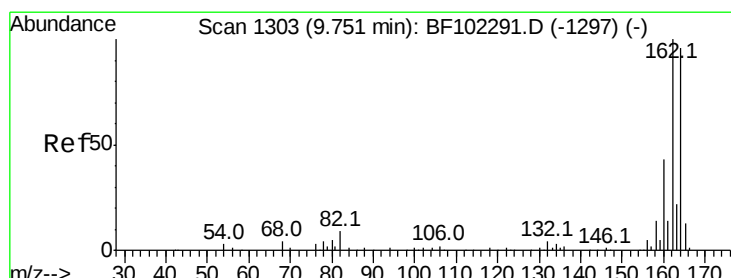
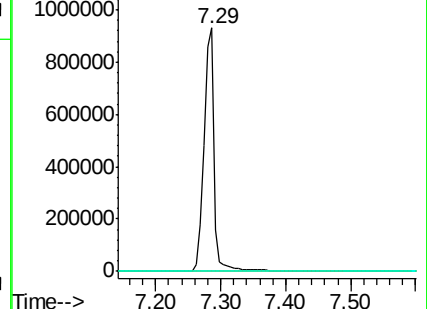
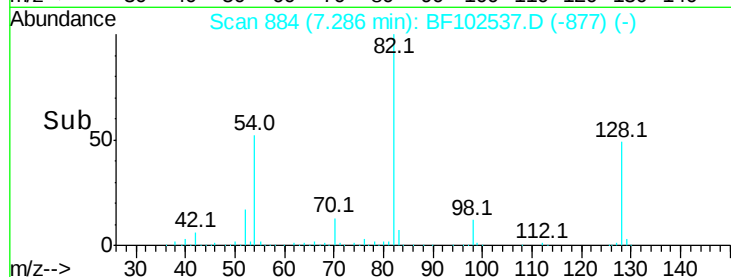
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

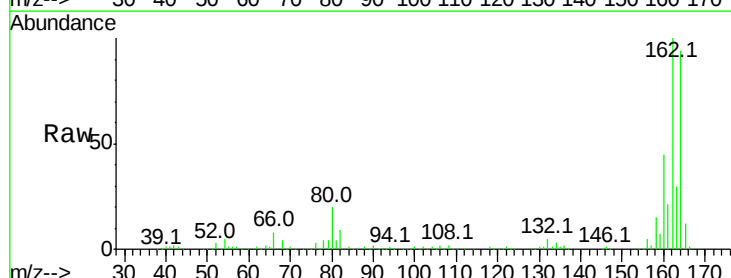
Tgt Ion:164 Resp: 291593

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

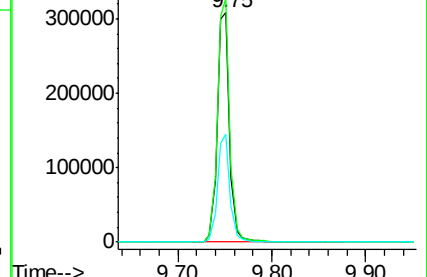
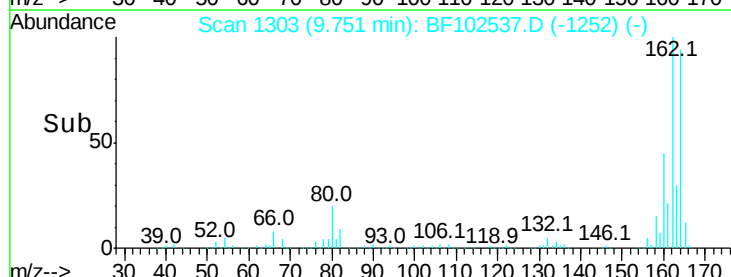
160 47.3 38.3 57.5

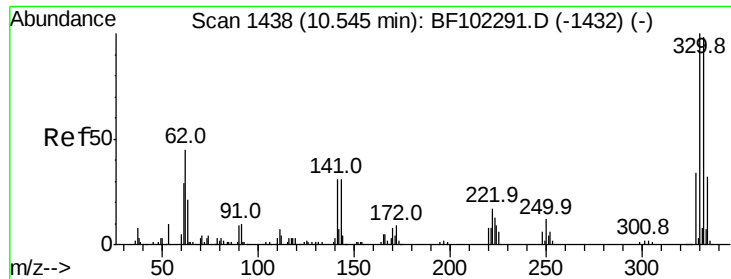


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

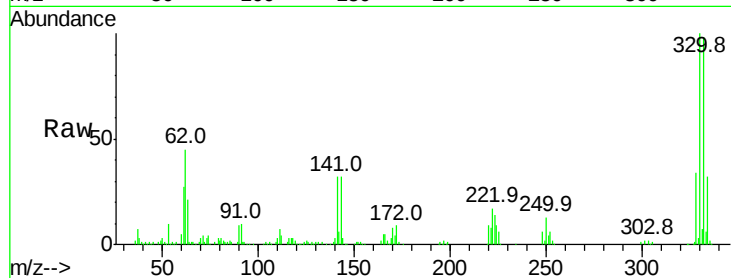




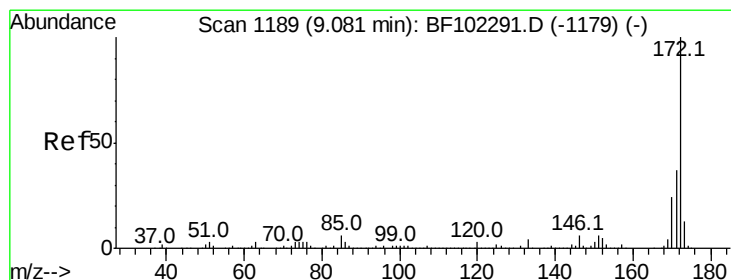
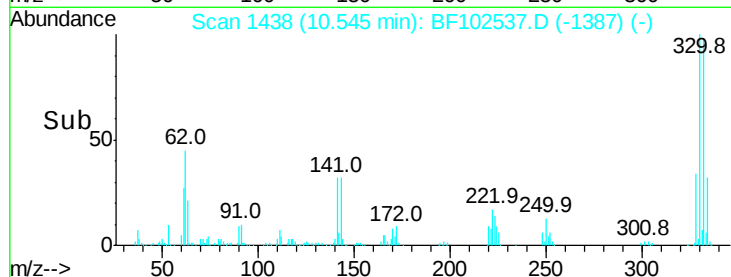
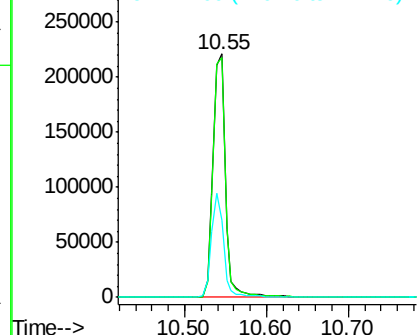
#41
 2,4,6-Tribromophenol
 Concen: 80.757 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102537.D
 Acq: 28 Jan 2018 3:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	41.9	29.9	44.9

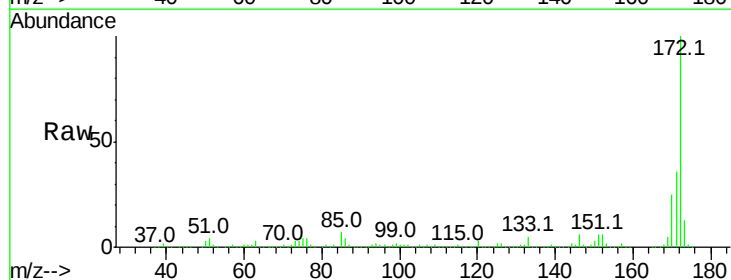


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

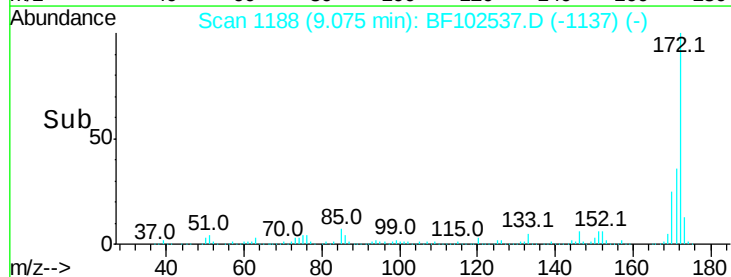
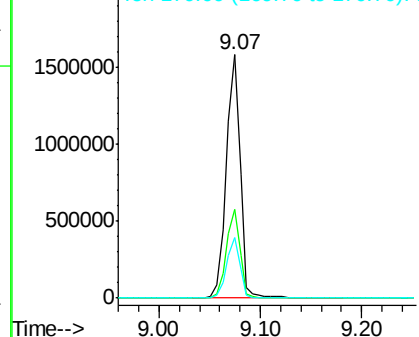


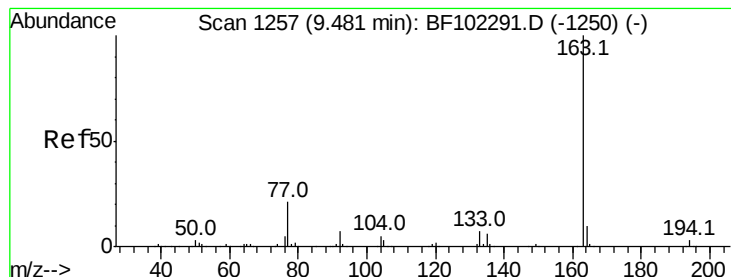
#44
 2-Fluorobiphenyl
 Concen: 75.994 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102537.D
 Acq: 28 Jan 2018 3:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	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





#49

Dimethylphthalate

Concen: 6.127 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Instrument :

BNA_F

ClientSampleId :

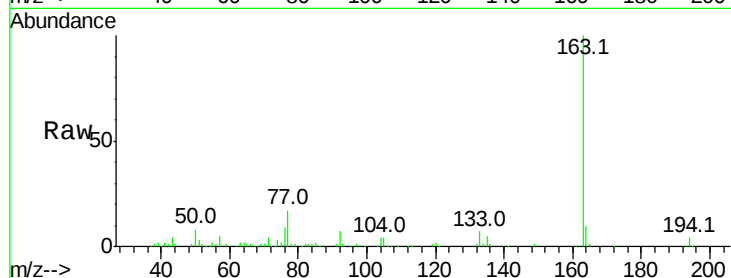
Tot Ion:163 Resp: 147668

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

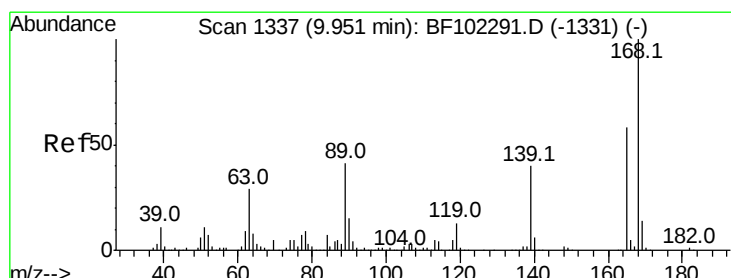
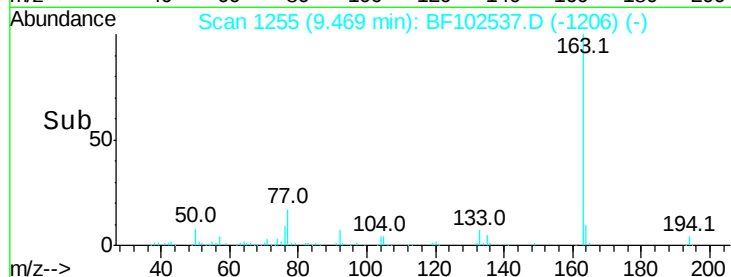
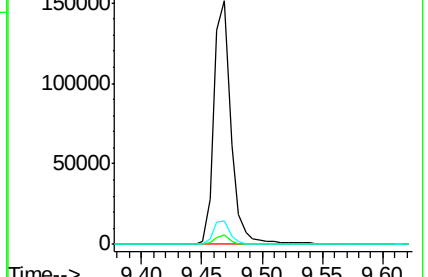
164 9.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.739 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Tgt Ion:165 Resp: 36673

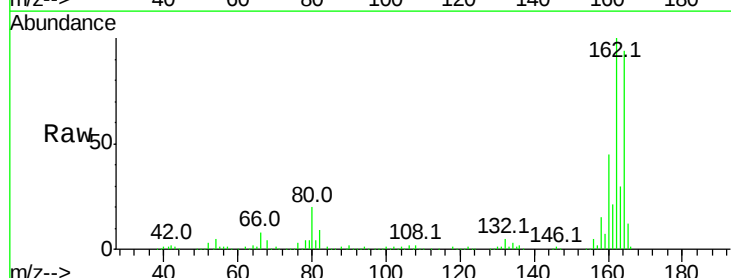
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

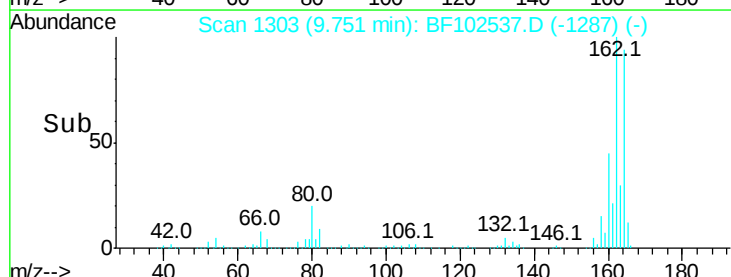
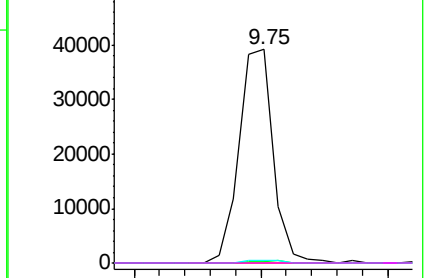


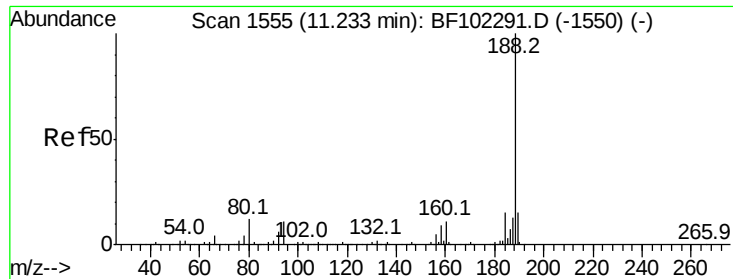
Abundance Ion 165.00 (164.70 to 165.70): E

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

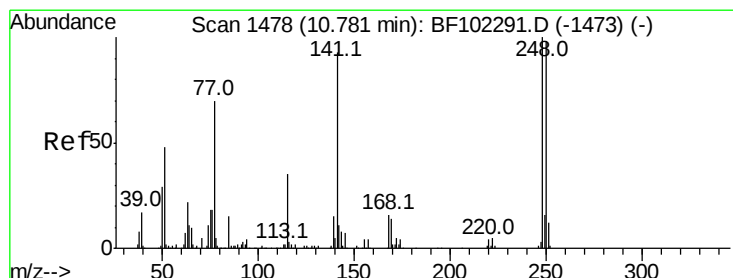
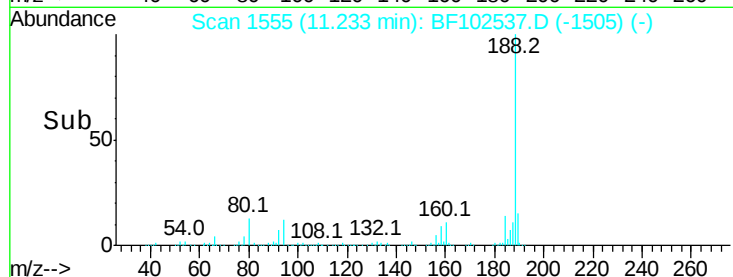
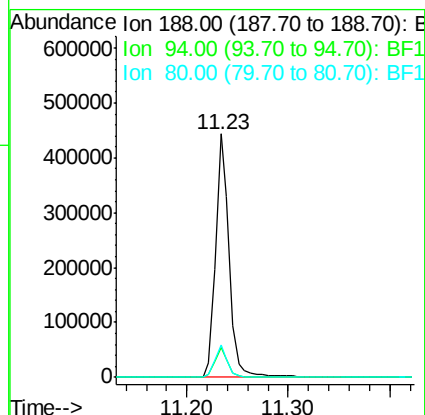
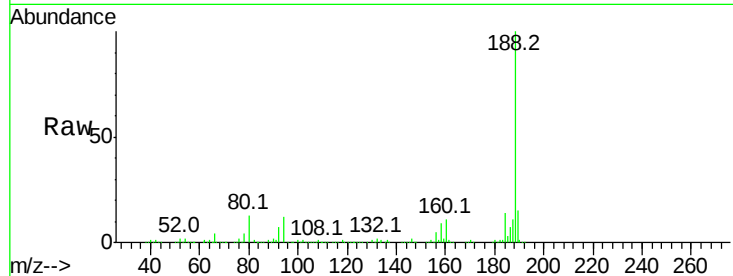




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102537.D
Acq: 28 Jan 2018 3:26

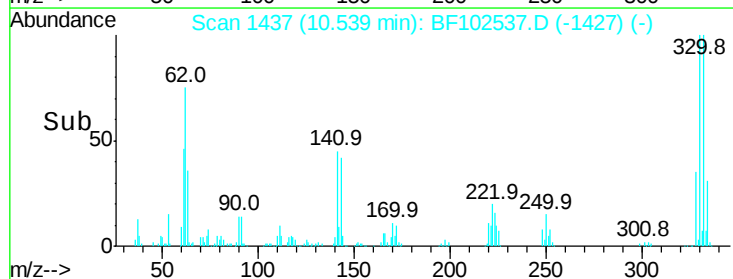
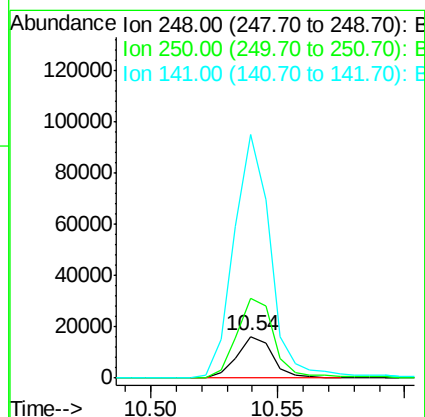
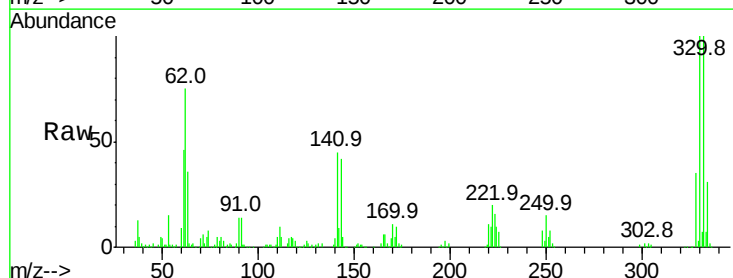
Instrument :
BNA_F
ClientSampleId :

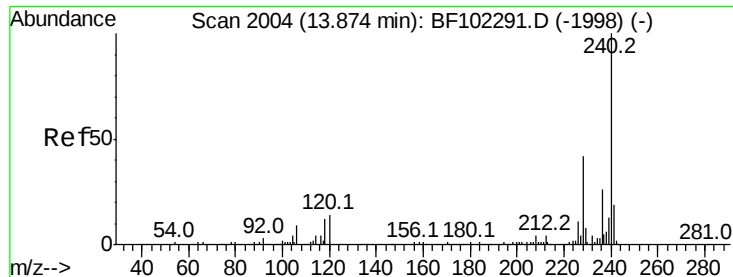
Tot Ion:188 Resp: 412090
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.591 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102537.D
Acq: 28 Jan 2018 3:26

Tgt Ion:248 Resp: 15929
Ion Ratio Lower Upper
248 100
250 192.9 76.9 115.3#
141 587.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

Instrument :

BNA_F

ClientSampleId :

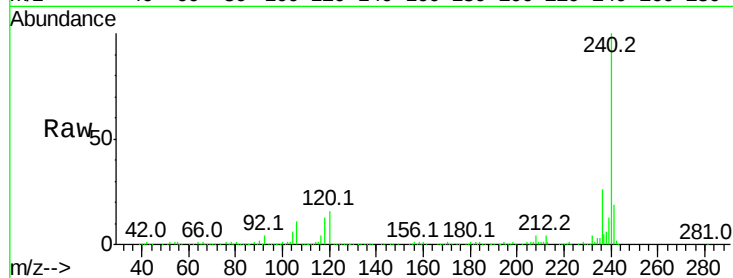
Tot Ion:240 Resp: 313693

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

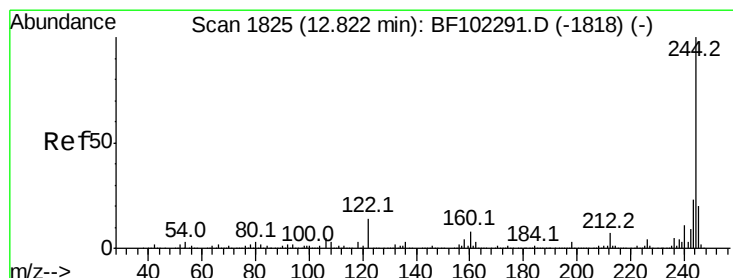
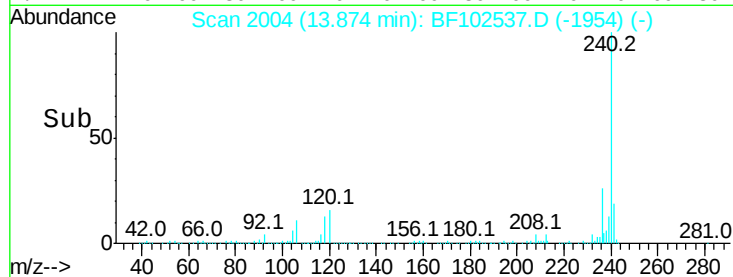
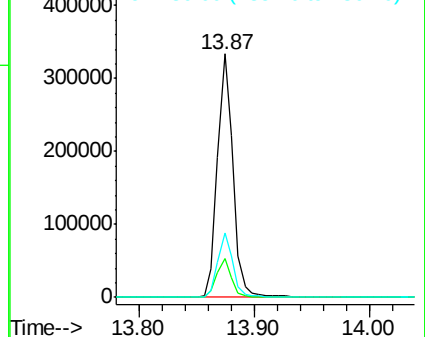
236 26.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 68.467 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102537.D

Acq: 28 Jan 2018 3:26

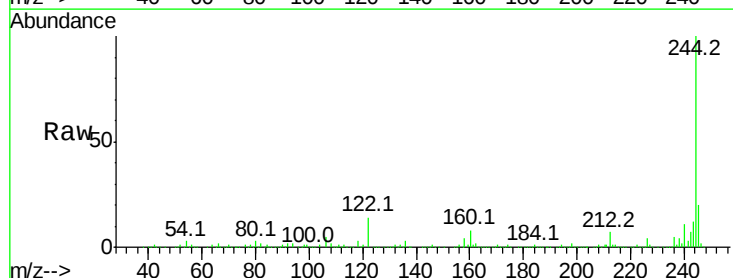
Tgt Ion:244 Resp: 952715

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

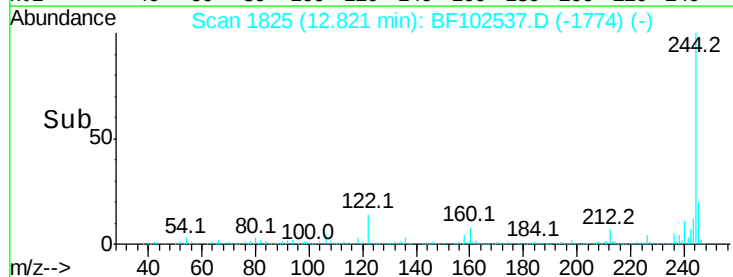
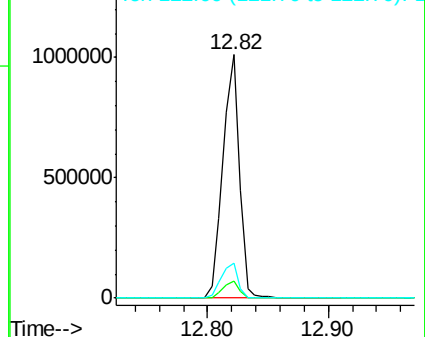
122 14.3 11.0 16.4

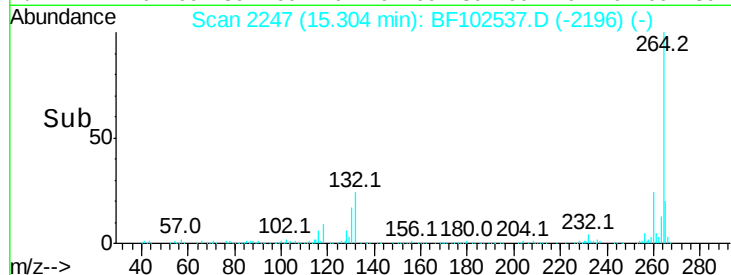
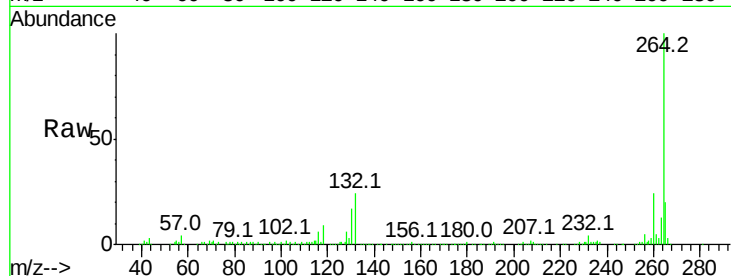
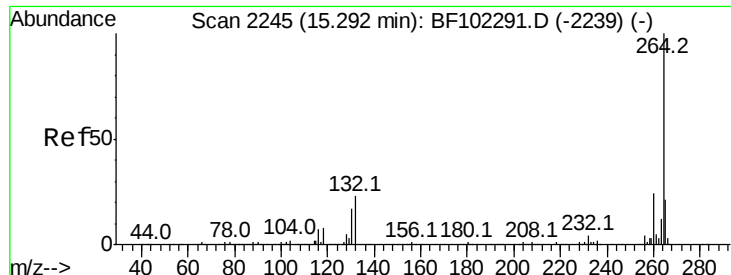


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 2247
Delta R.T. -0.00 min
Lab File: BF102537.D
Acq: 28 Jan 2018 3:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	224196
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.5	17.5	26.3

