

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102329.D
 Acq On : 23 Jan 2018 6:57
 Operator : SJ/JU
 Sample : J1186-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 07:48:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

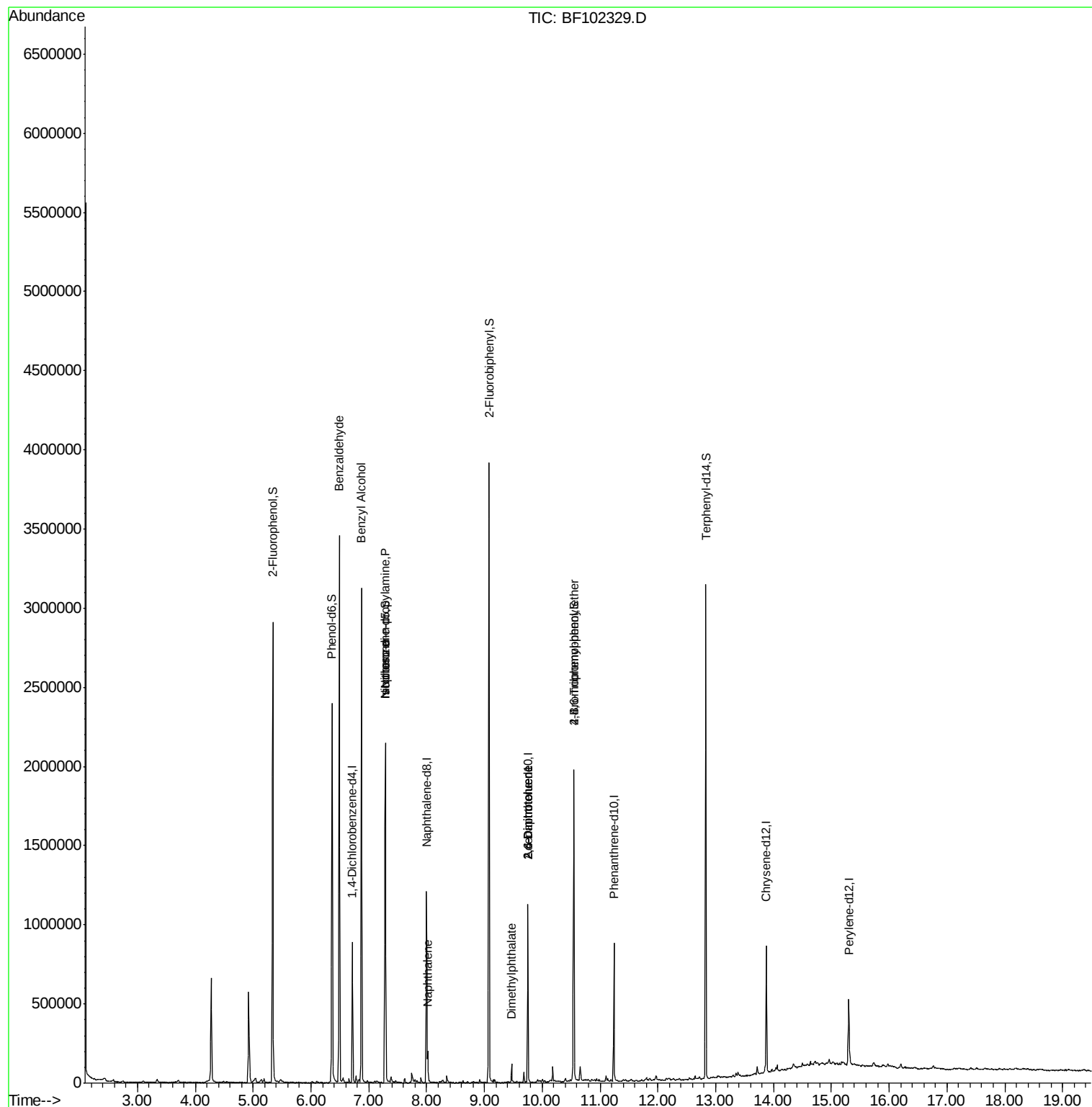
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	126723	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	507791	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	204256	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	309003	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257269	20.00	ng	0.00
86) Perylene-d12	15.30	264	185197	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	902175	107.95	ng	0.02
7) Phenol-d6	6.36	99	955618	94.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	719927	81.47	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	223156	110.26	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1357163	97.70	ng	0.00
78) Terphenyl-d14	12.83	244	1124825	98.56	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	20565	2.936	ng	84
15) Benzyl Alcohol	6.87	79	15571	2.190	ng	# 44
19) n-Nitroso-di-n-propylamine	7.29	70	94227	15.281	ng	# 80
25) Isophorone	7.29	82	714303	45.344	ng	# 64
31) Naphthalene	8.02	128	77446	3.055	ng	99
49) Dimethylphthalate	9.47	163	38675	2.291	ng	98
50) 2,6-Dinitrotoluene	9.75	165	26004	7.144	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	26004	5.809	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	13890	4.176	ng	# 1

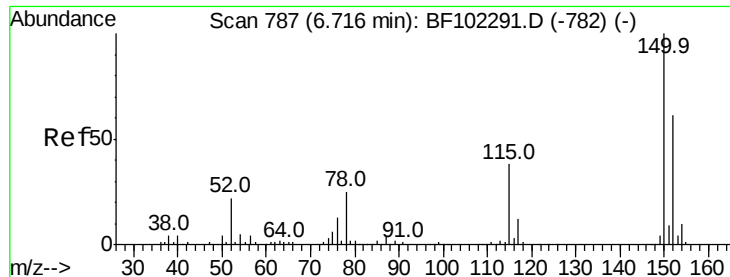
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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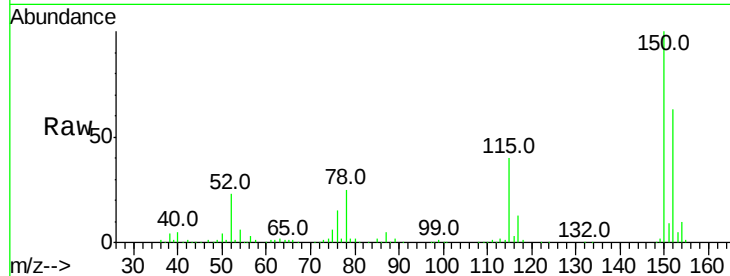


#1

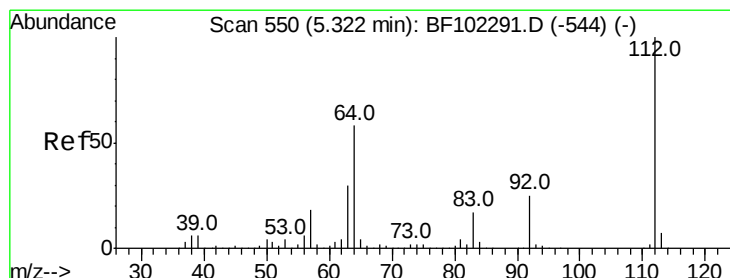
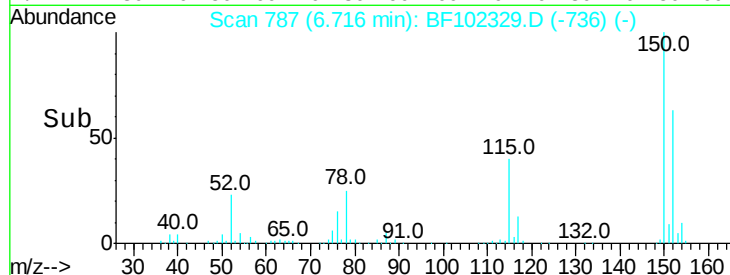
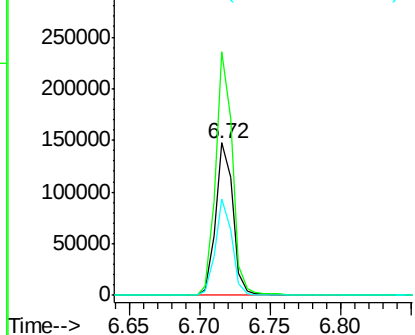
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126723
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 63.7 50.1 75.1



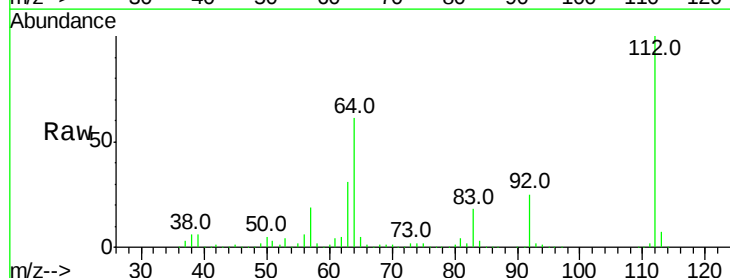
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



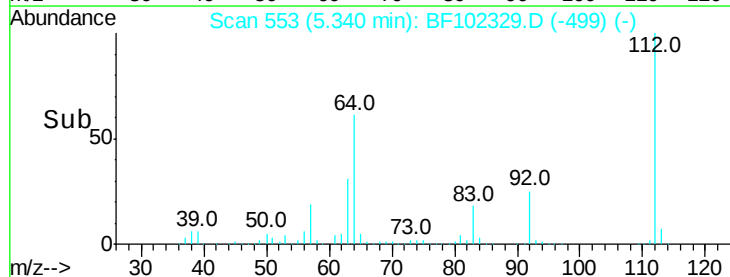
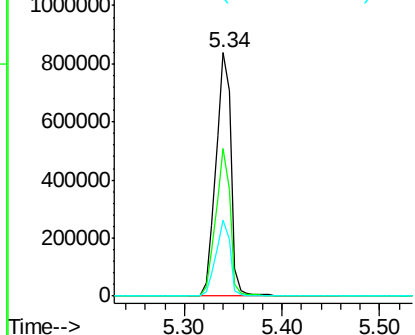
#5

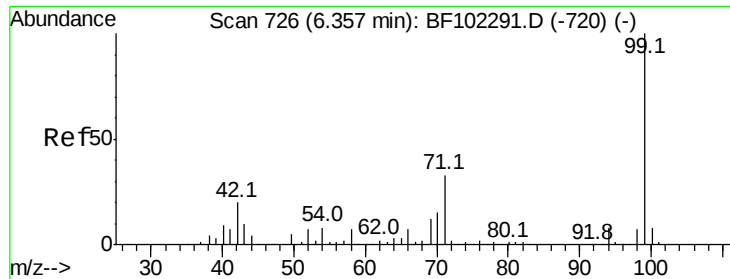
2-Fluorophenol
Concen: 107.947 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Tgt Ion:112 Resp: 902175
Ion Ratio Lower Upper
112 100
64 60.6 47.9 71.9
63 30.9 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: 94.842 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampled :

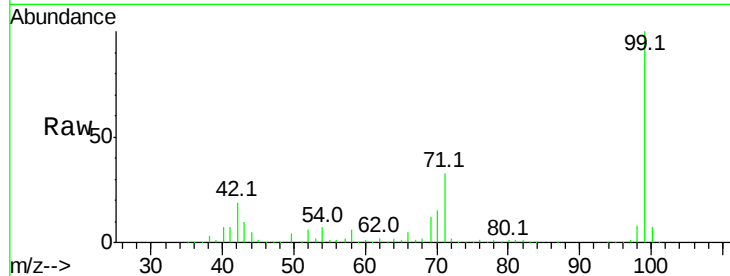
Tot Ion: 99 Resp: 955618

Ion Ratio Lower Upper

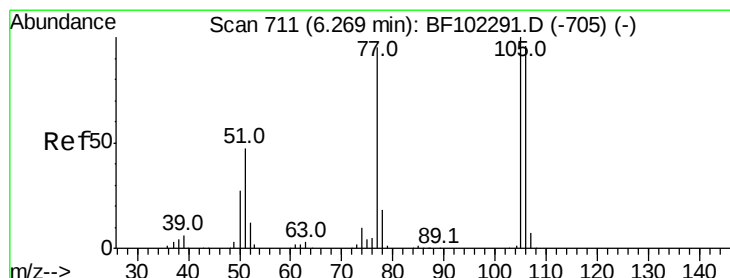
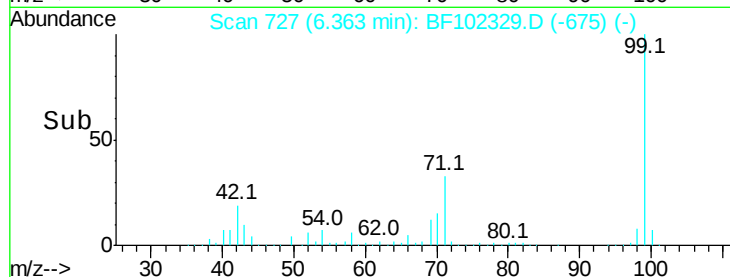
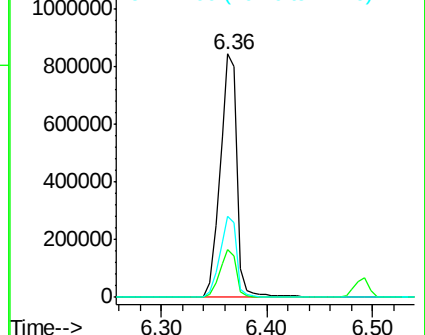
99 100

42 19.5 14.5 21.7

71 33.3 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: 2.936 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

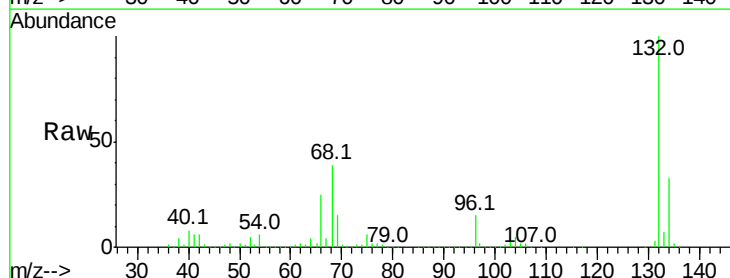
Tgt Ion: 77 Resp: 20565

Ion Ratio Lower Upper

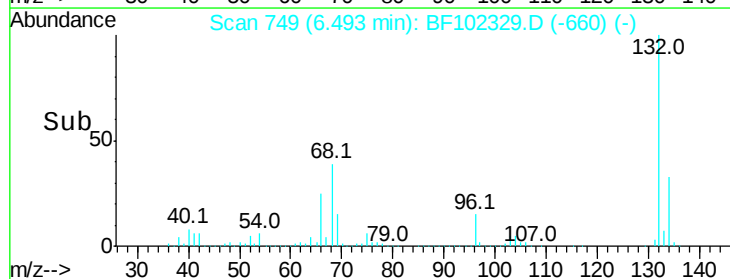
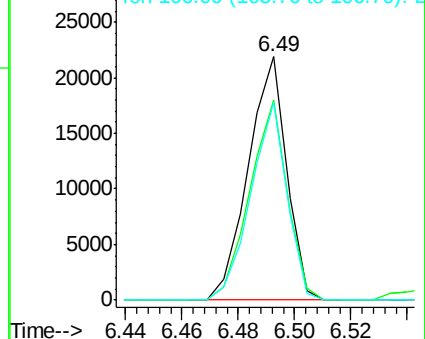
77 100

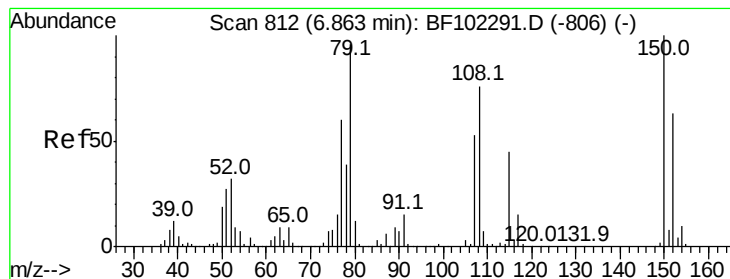
105 82.4 81.1 121.1

106 81.2 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: 2.190 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampled :

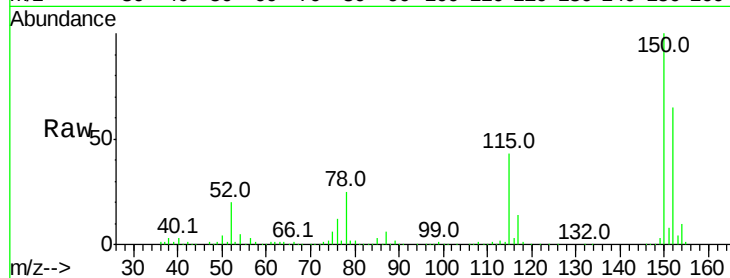
Tot Ion: 79 Resp: 15571

Ion Ratio Lower Upper

79 100

108 34.9 65.1 97.7#

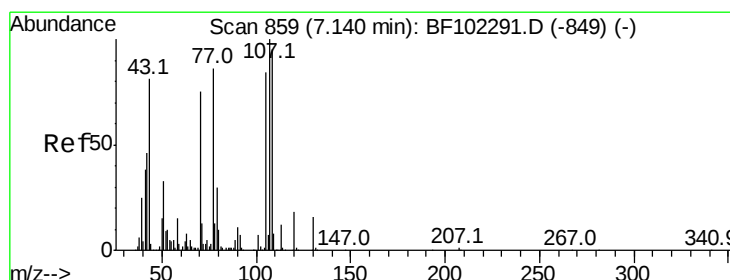
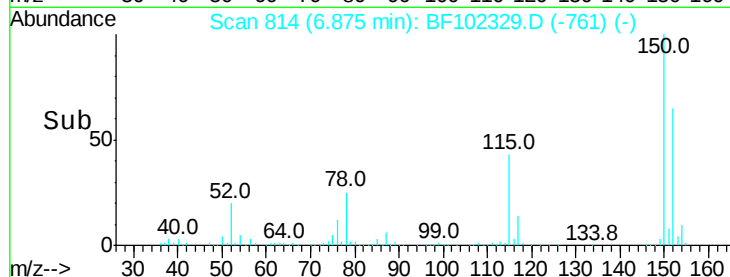
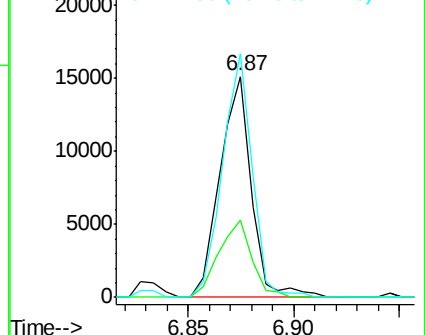
77 110.1 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.281 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Tgt Ion: 70 Resp: 94227

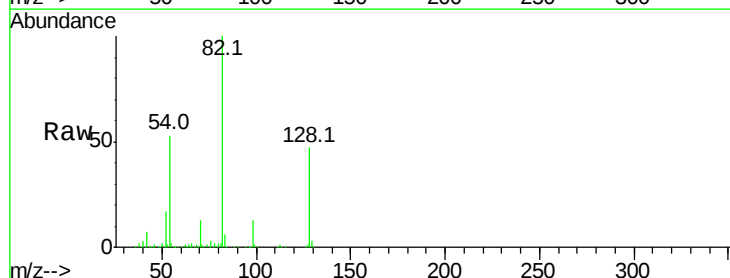
Ion Ratio Lower Upper

70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

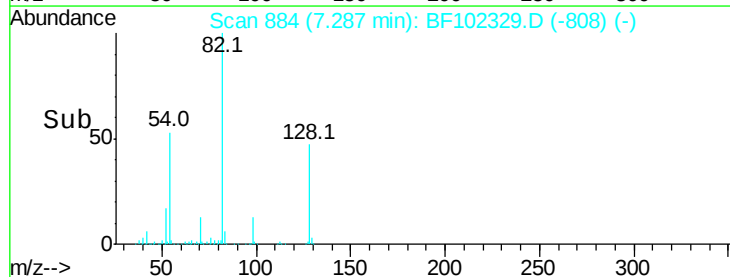
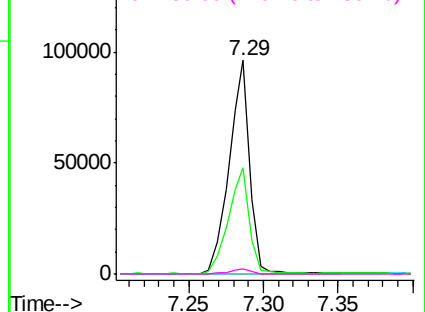


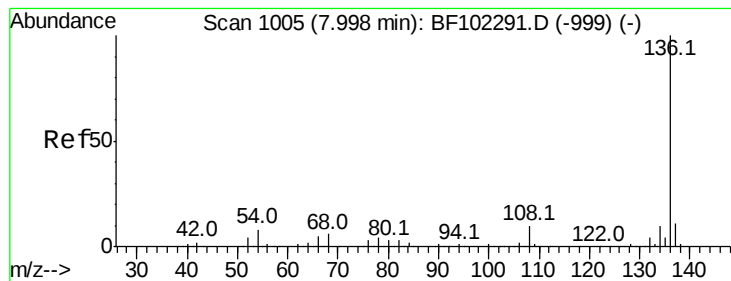
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 507791

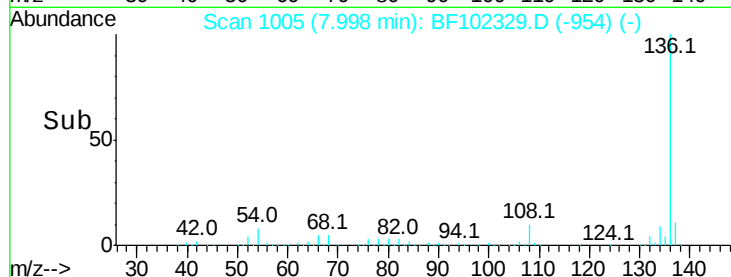
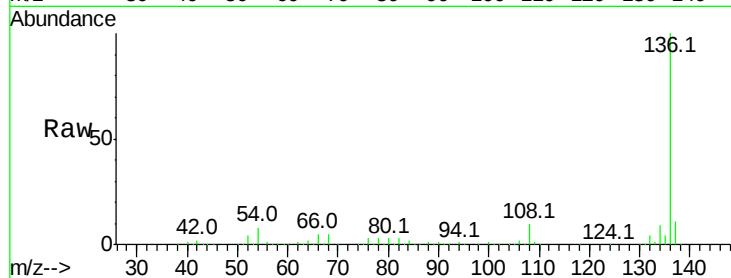
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 5.4 5.0 7.4

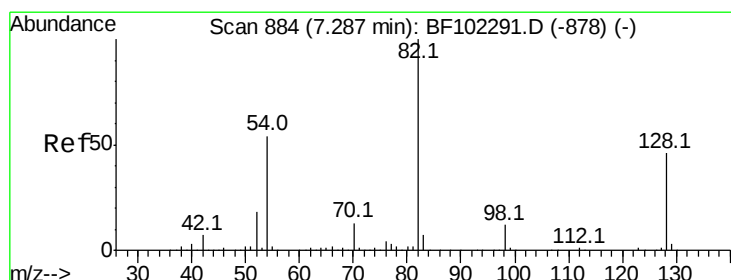
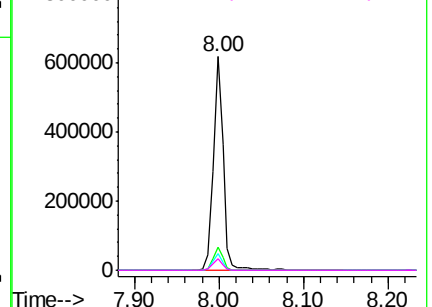


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.474 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

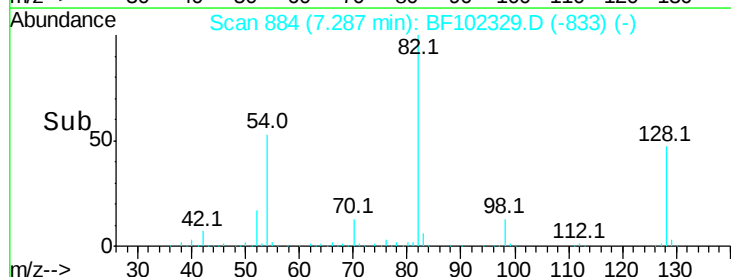
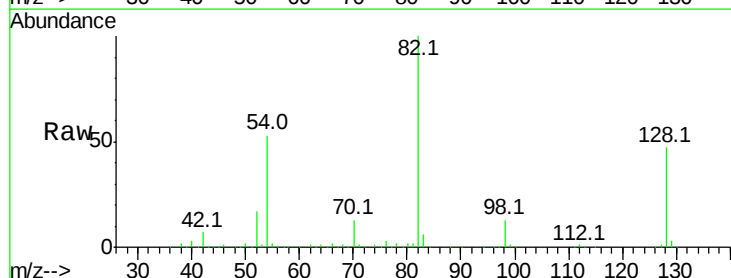
Tgt Ion: 82 Resp: 719927

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

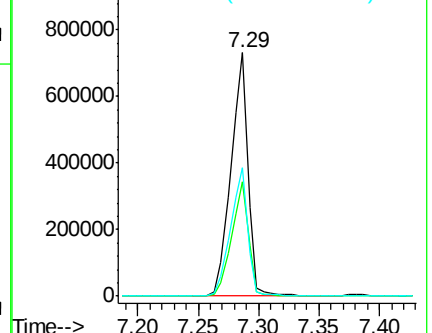
54 52.9 41.4 62.2

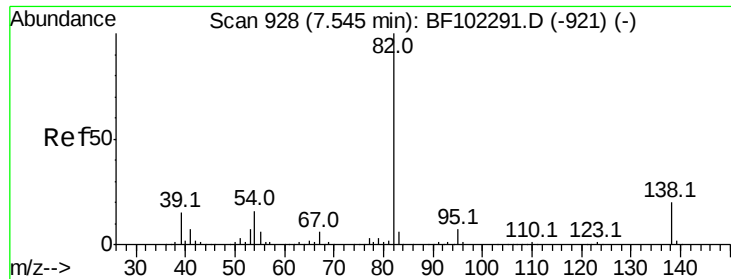


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.344 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampled :

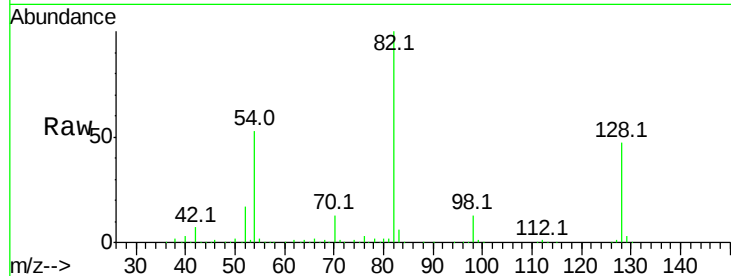
Tot Ion: 82 Resp: 714303

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

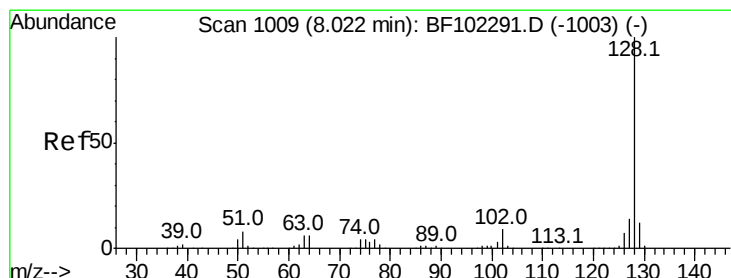
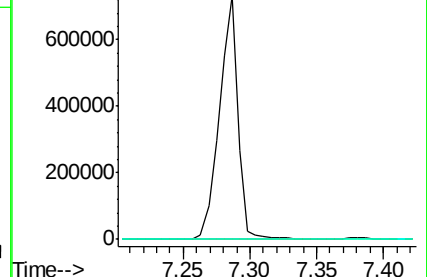
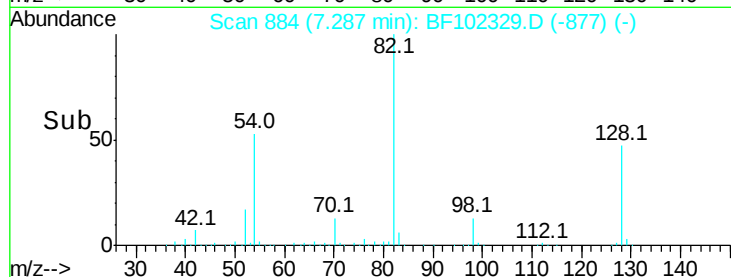
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.055 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

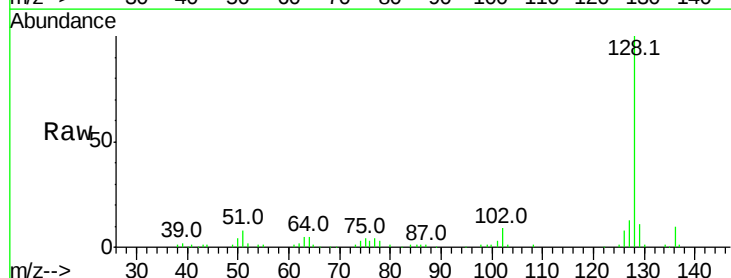
Tgt Ion:128 Resp: 77446

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

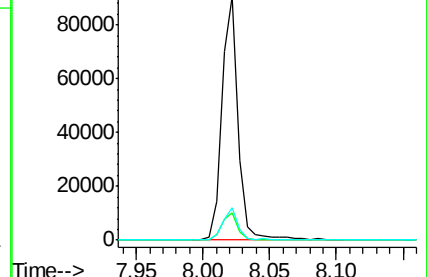
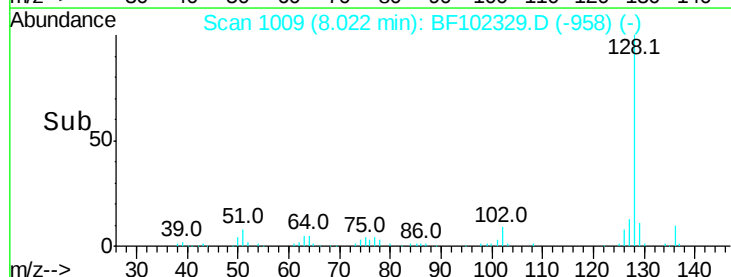
127 13.1 10.9 16.3

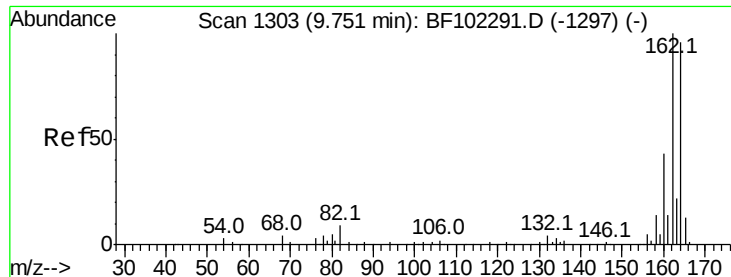


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

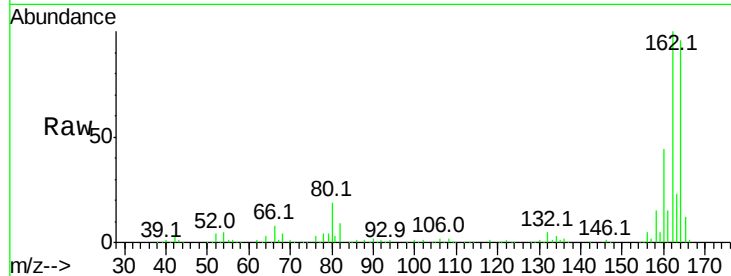




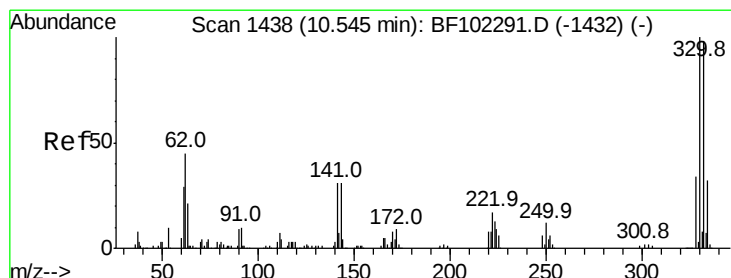
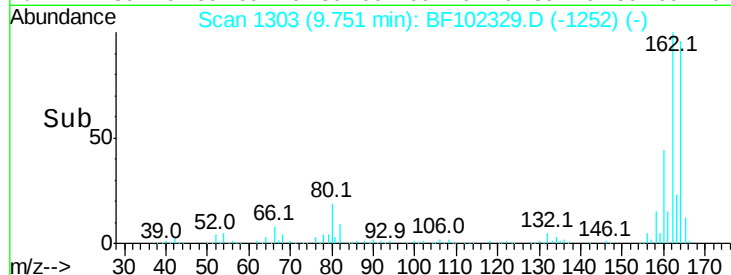
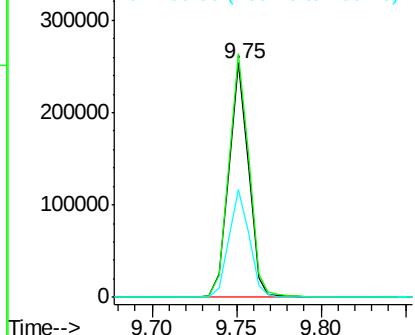
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 204256
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 46.1 38.3 57.5

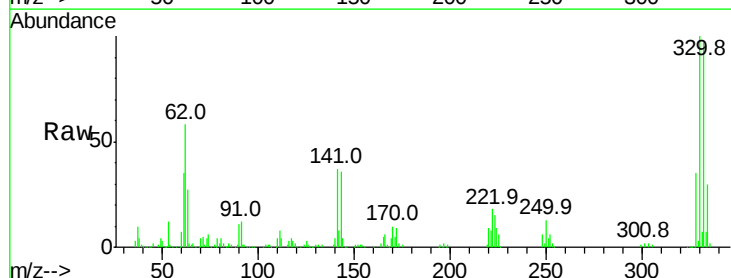


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

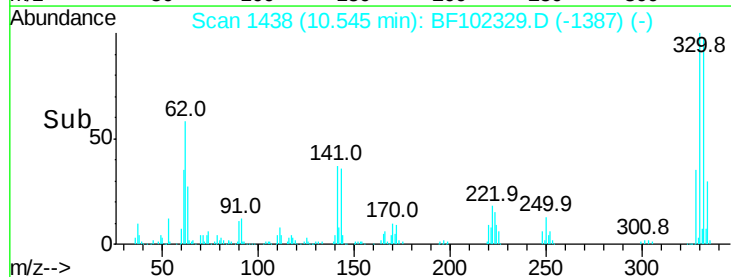
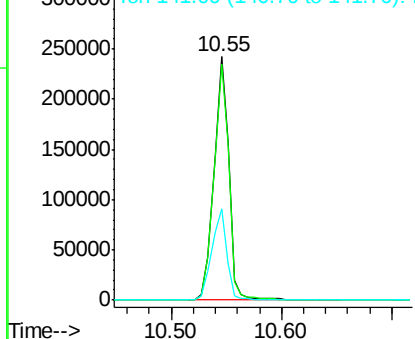


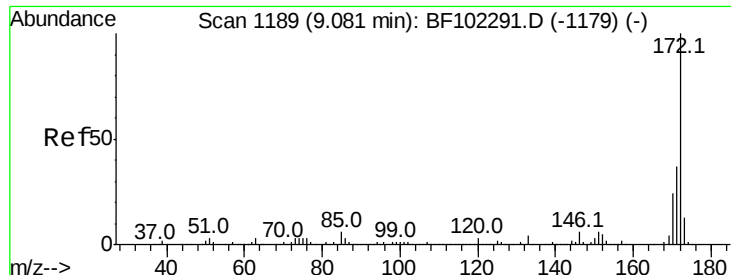
#41
2,4,6-Tribromophenol
Concen: 110.261 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Tgt Ion:330 Resp: 223156
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 37.9 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

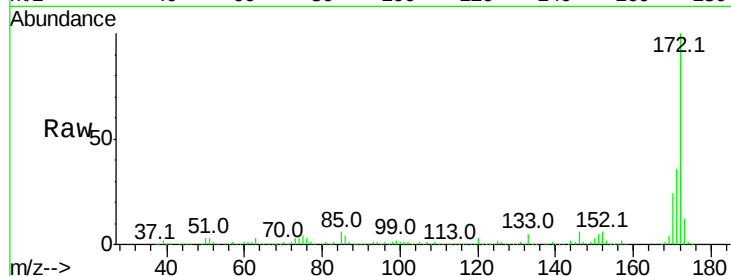




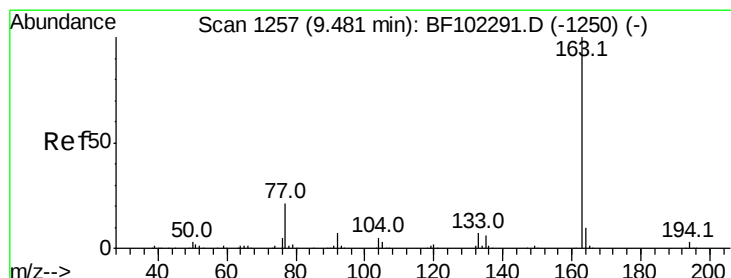
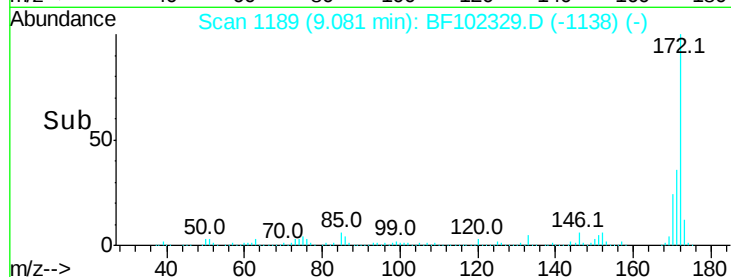
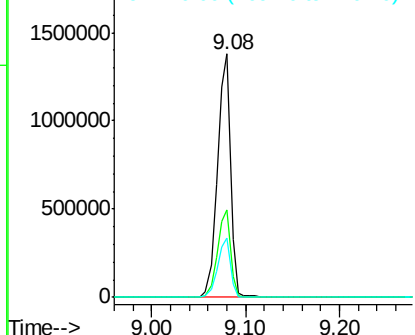
#44
2-Fluorobiphenyl
Concen: 97.696 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1357163
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.3 19.6 29.4

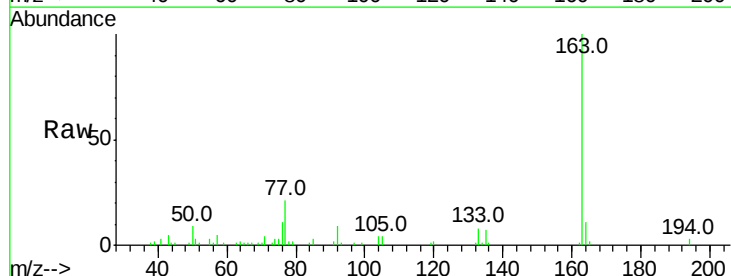


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

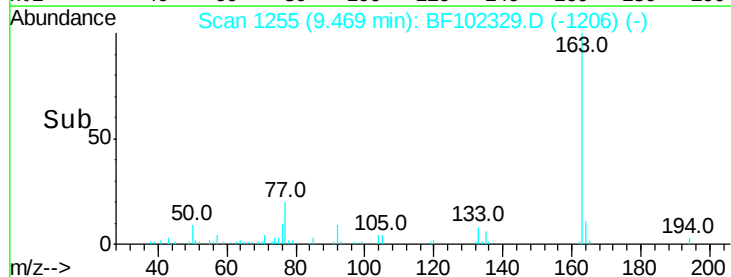
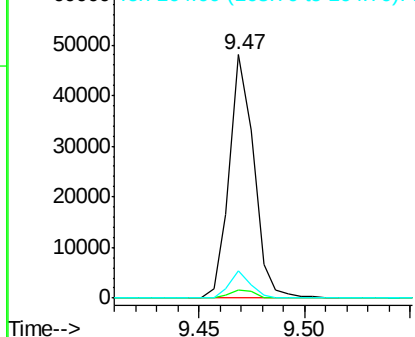


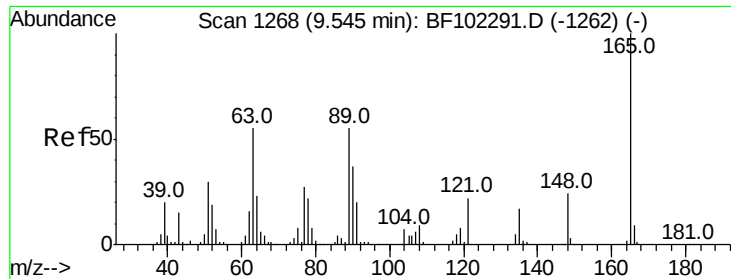
#49
Dimethylphthalate
Concen: 2.291 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Tgt Ion:163 Resp: 38675
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 11.3 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: 7.144 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampleId :

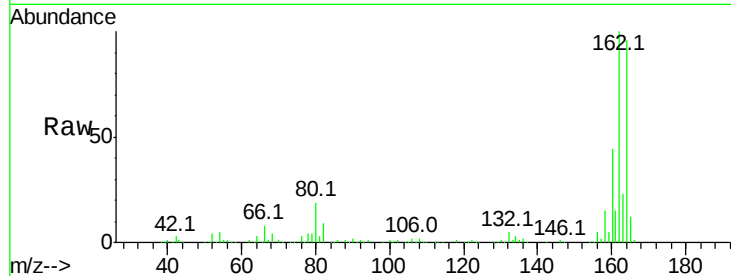
Tot Ion:165 Resp: 26004

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

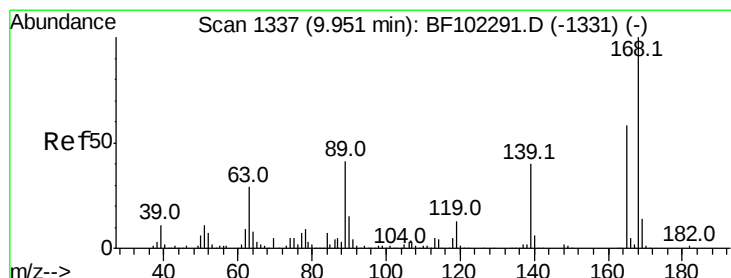
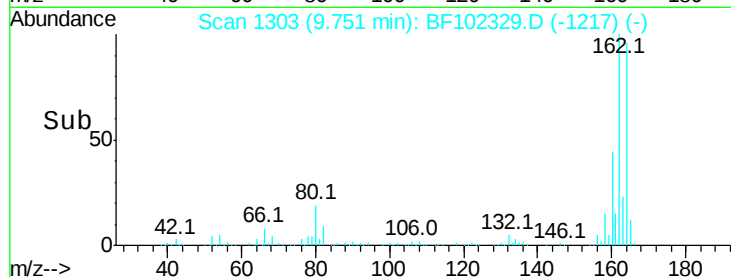
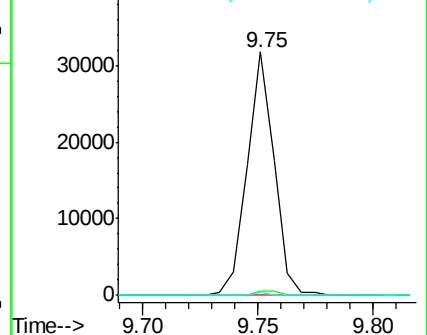
89 1.3 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 5.809 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Tgt Ion:165 Resp: 26004

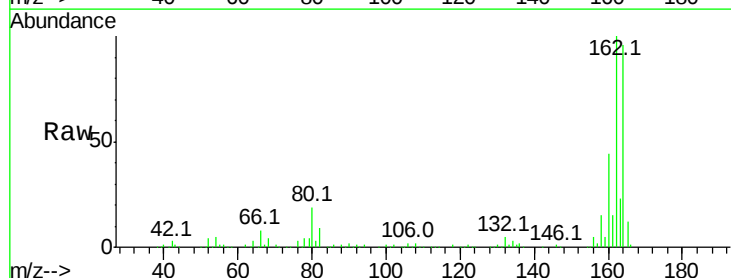
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

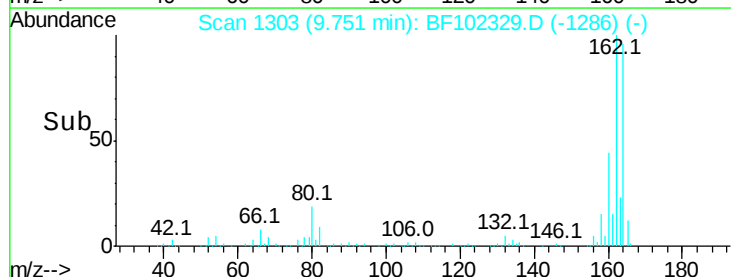
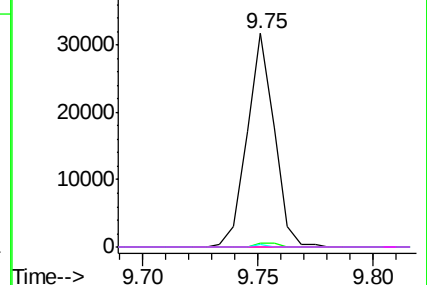


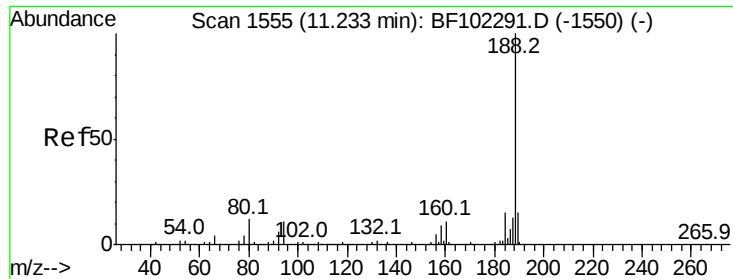
Abundance Ion 165.00 (164.70 to 165.70): E

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

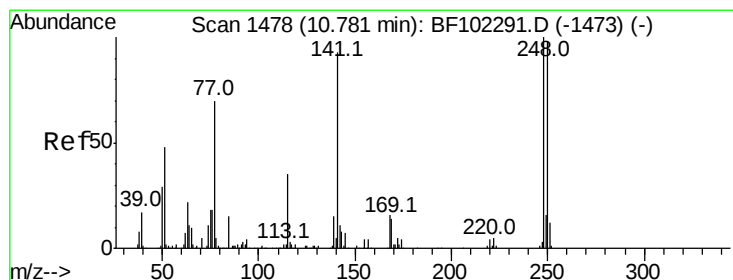
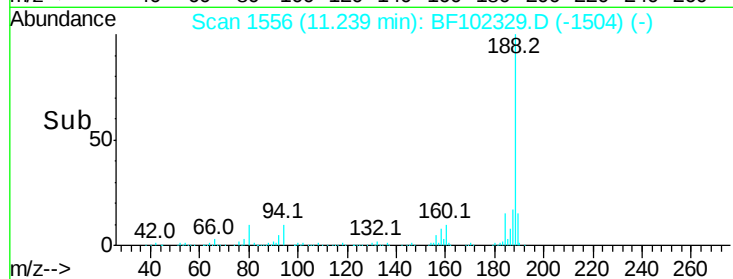
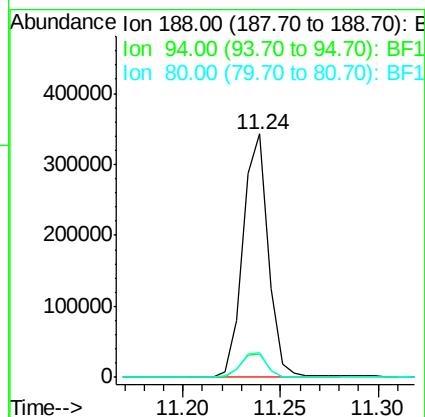
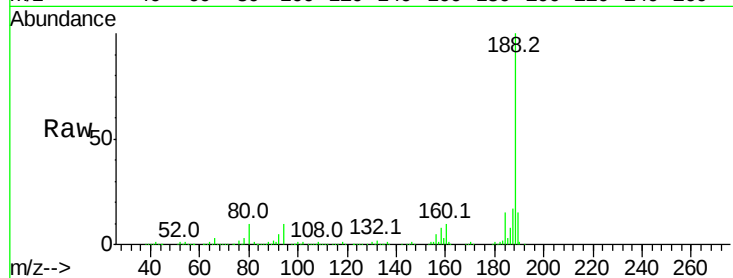




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

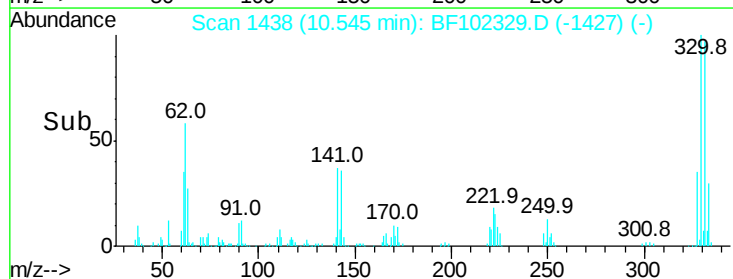
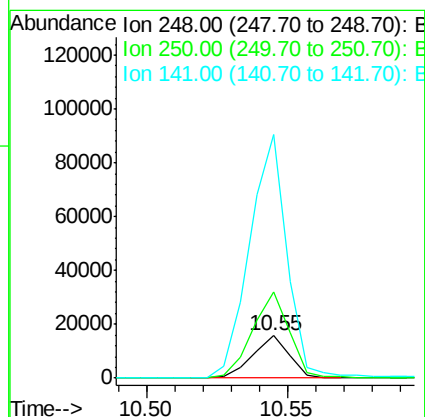
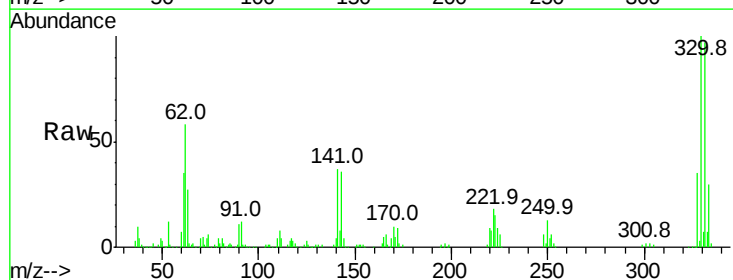
Instrument :
BNA_F
ClientSampleId :

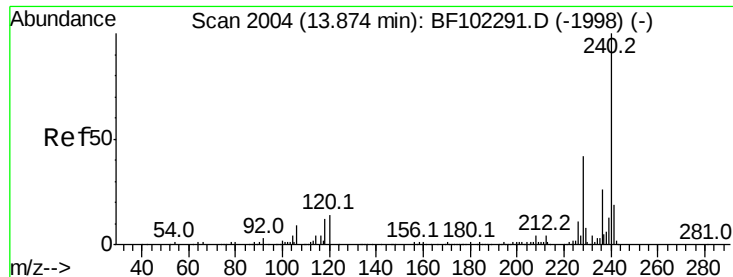
Tot Ion:188 Resp: 309003
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.176 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Tgt Ion:248 Resp: 13890
Ion Ratio Lower Upper
248 100
250 203.3 76.9 115.3#
141 577.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

Instrument :

BNA_F

ClientSampleId :

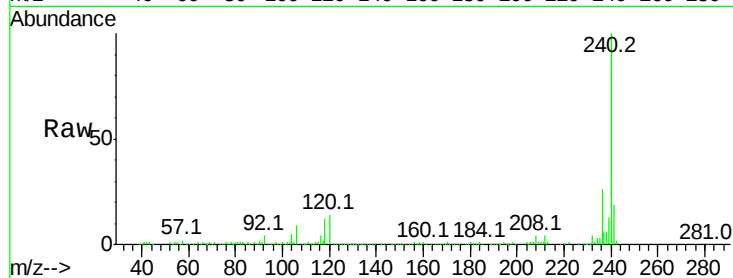
Tot Ion:240 Resp: 257269

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

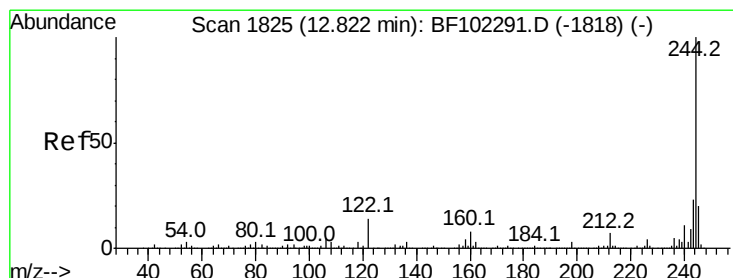
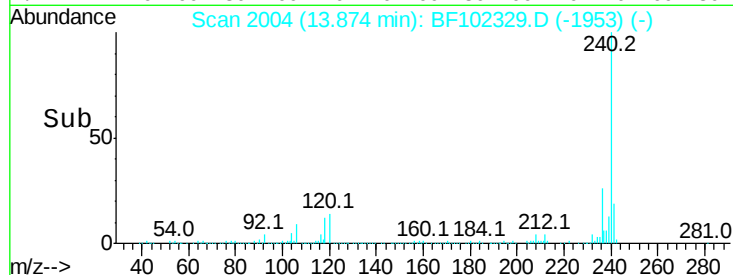
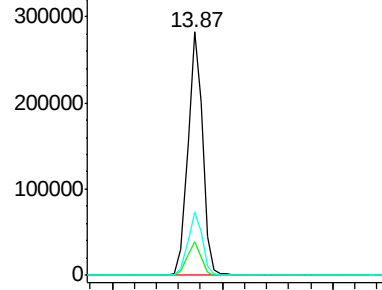
236 25.7 20.7 31.1



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: 98.565 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102329.D

Acq: 23 Jan 2018 6:57

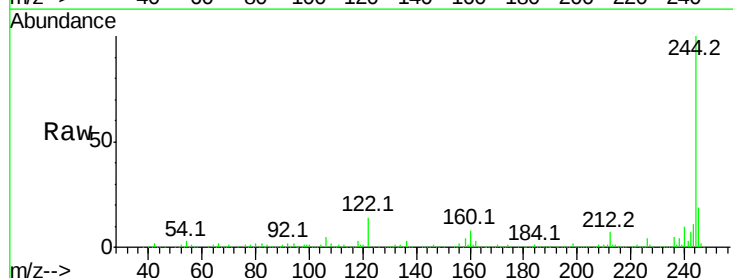
Tgt Ion:244 Resp: 1124825

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

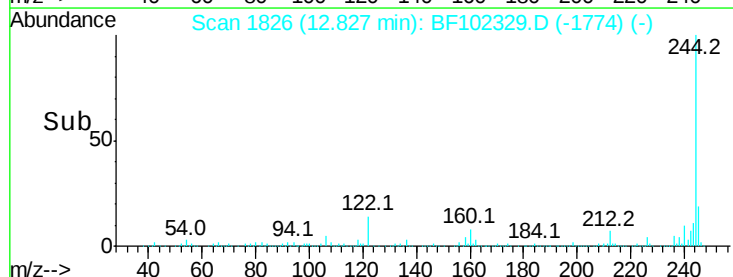
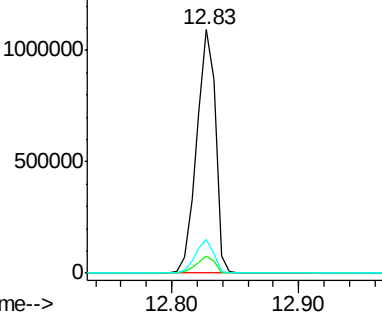
122 14.0 11.0 16.4

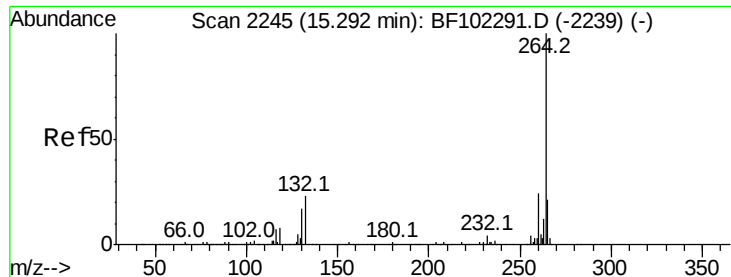


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

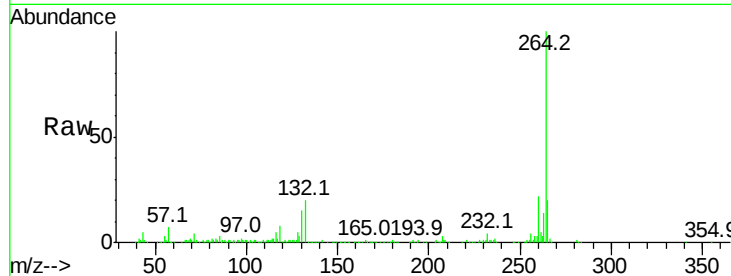




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102329.D
Acq: 23 Jan 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	20.0	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

