

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102399.D
 Acq On : 24 Jan 2018 19:39
 Operator : SJ/JU
 Sample : J1249-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:10:15 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

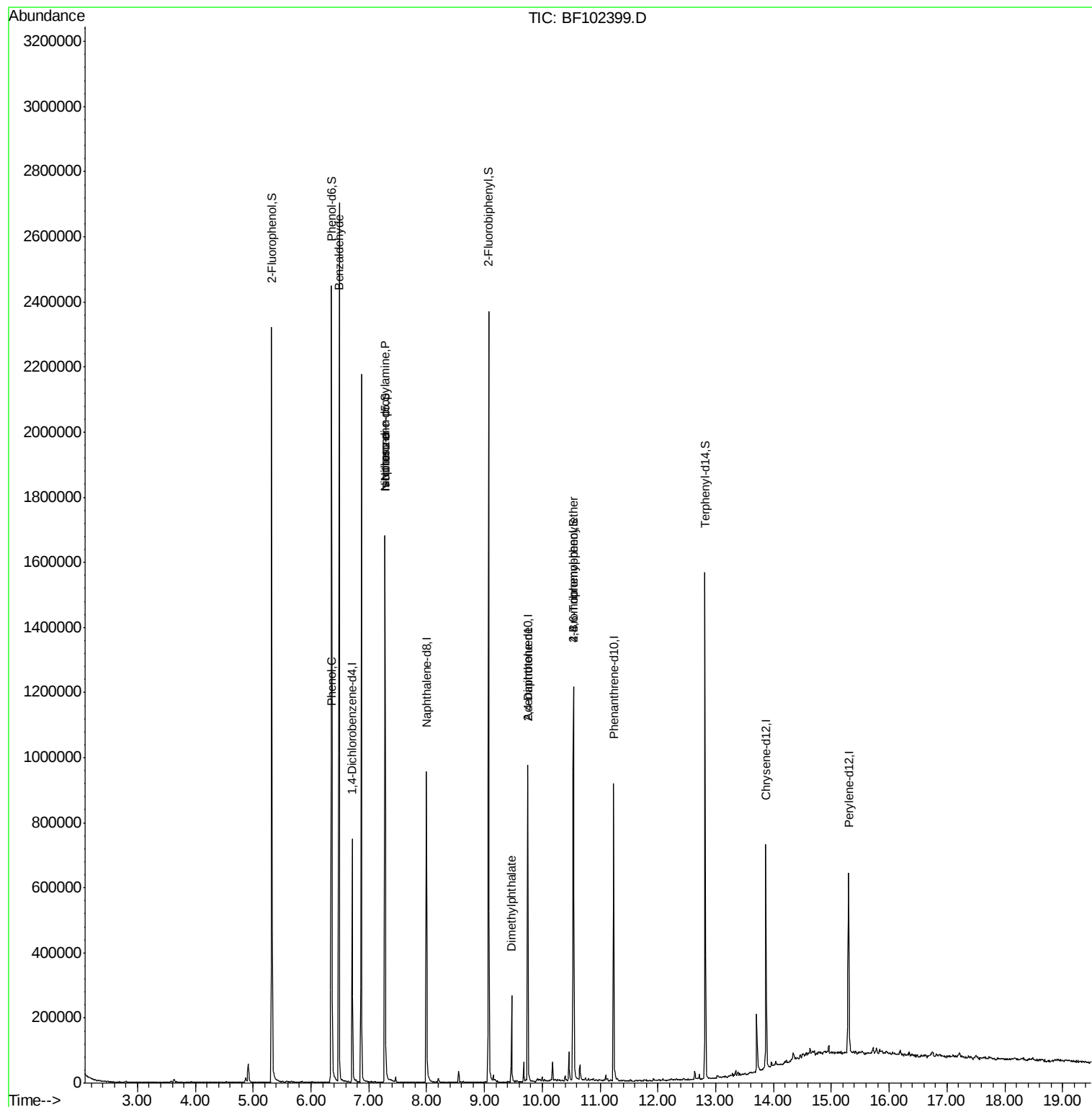
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116073	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	462789	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	199528	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	318481	20.00	ng	0.00
75) Chrysene-d12	13.87	240	244082	20.00	ng	0.00
86) Perylene-d12	15.30	264	236488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	730871	95.47	ng	0.00
7) Phenol-d6	6.36	99	869321	94.19	ng	0.00
23) Nitrobenzene-d5	7.28	82	541371	67.22	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	141675	71.66	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	815734	60.11	ng	0.00
78) Terphenyl-d14	12.82	244	544473	50.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	14747	2.327	ng	88
10) Phenol	6.37	94	43057	4.273	ng	99
19) n-Nitroso-di-n-propylamine	7.28	70	71381	12.638	ng	# 79
25) Isophorone	7.28	82	532901	37.118	ng	# 64
49) Dimethylphthalate	9.47	163	109463	6.637	ng	99
56) 2,4-Dinitrotoluene	9.75	165	24783	5.668	ng	# 22
66) 4-Bromophenyl-phenylether	10.54	248	9428	2.750	ng	# 1

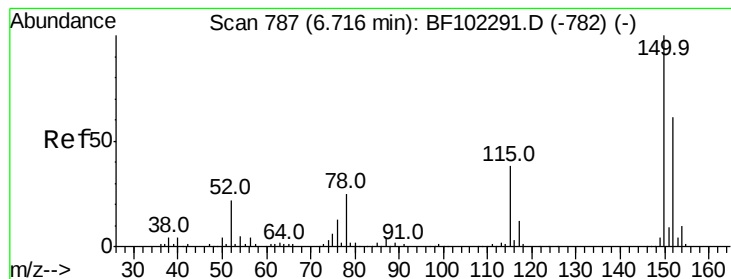
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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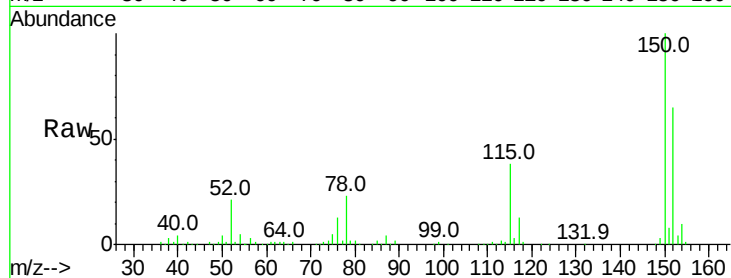


#1

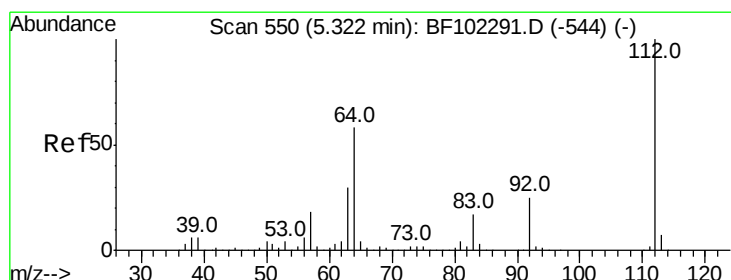
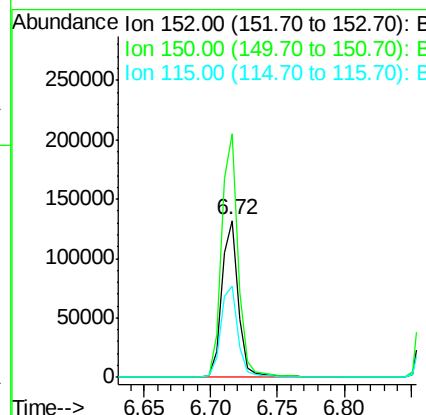
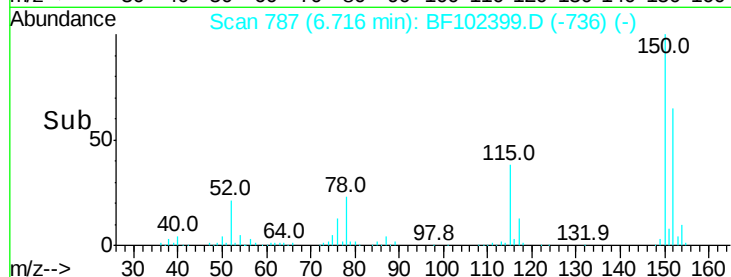
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102399.D
Acq: 24 Jan 2018 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116073
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 58.3 50.1 75.1



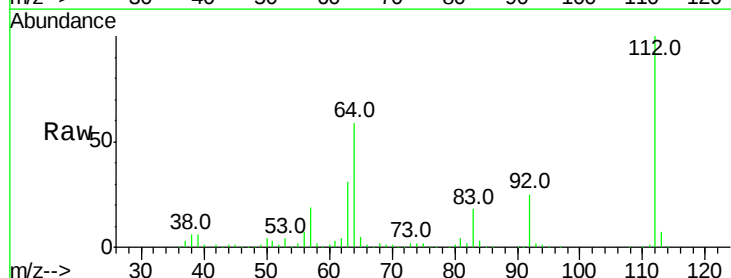
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



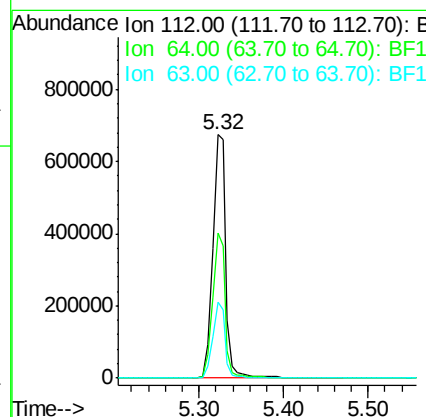
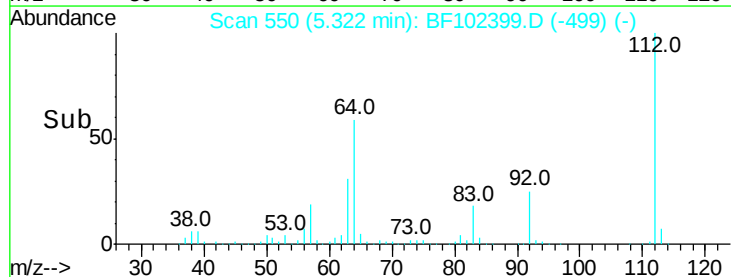
#5

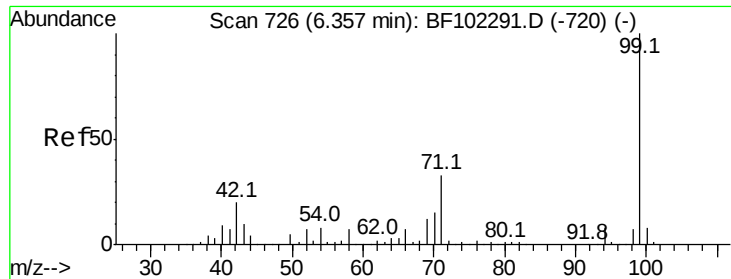
2-Fluorophenol
Concen: 95.474 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102399.D
Acq: 24 Jan 2018 19:39

Tgt Ion:112 Resp: 730871
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 31.4 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: 94.194 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampled :

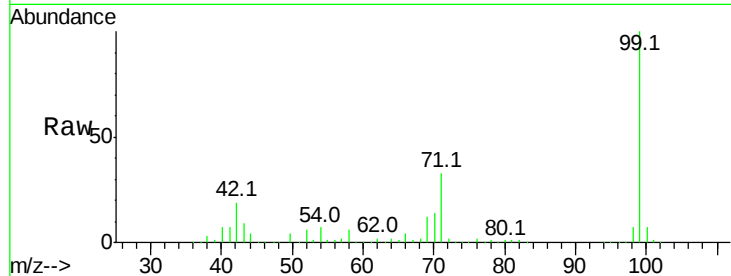
Tot Ion: 99 Resp: 869321

Ion Ratio Lower Upper

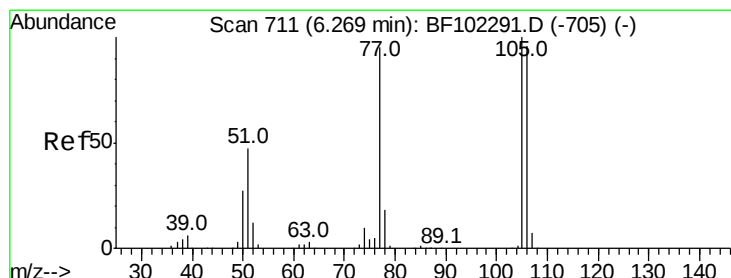
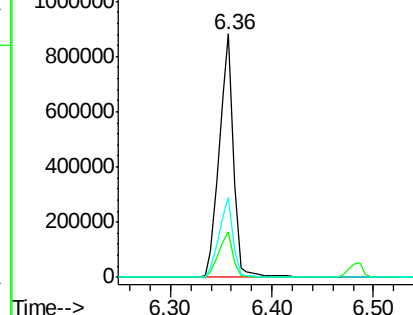
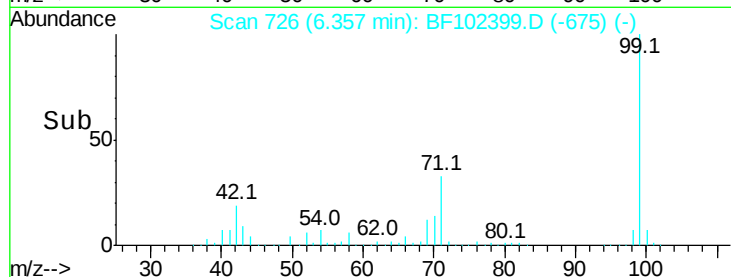
99 100

42 18.8 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.327 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

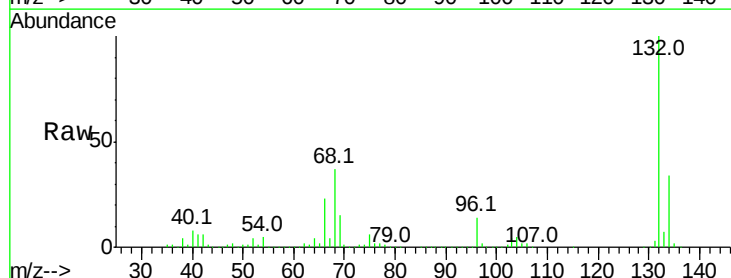
Tgt Ion: 77 Resp: 14747

Ion Ratio Lower Upper

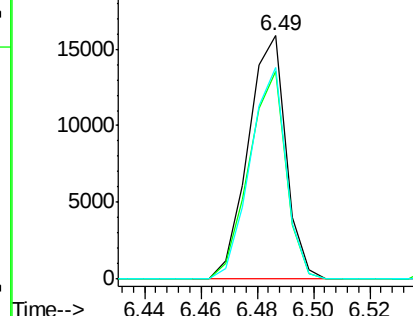
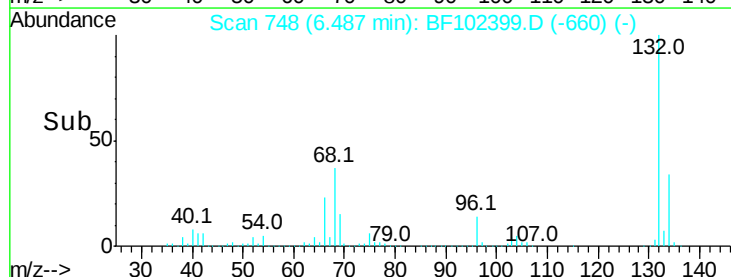
77 100

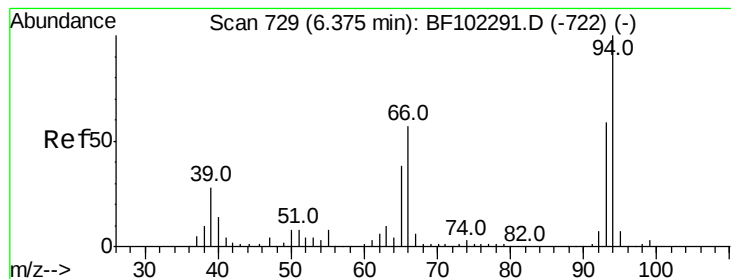
105 85.2 81.1 121.1

106 86.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.273 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampleId :

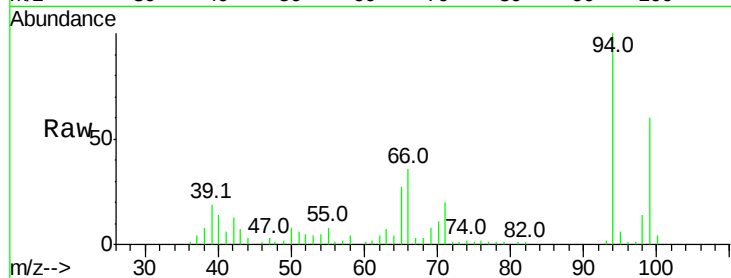
Tot Ion: 94 Resp: 43057

Ion Ratio Lower Upper

94 100

65 26.7 7.9 47.9

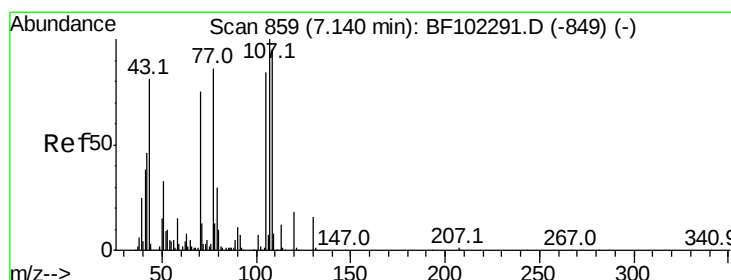
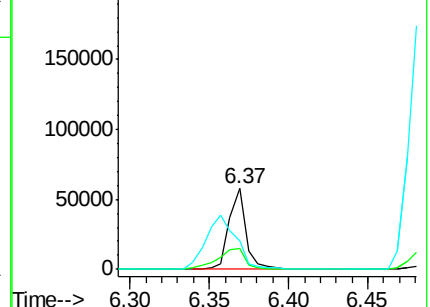
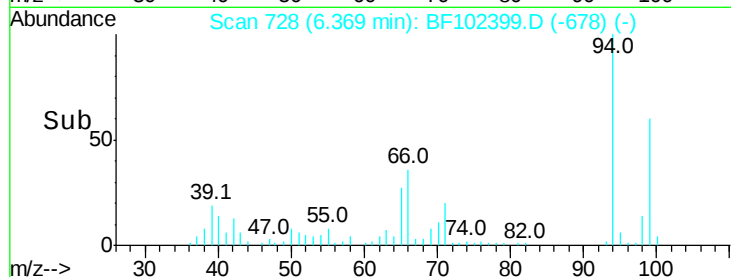
66 36.2 16.2 56.2



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: 12.638 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Tgt Ion: 70 Resp: 71381

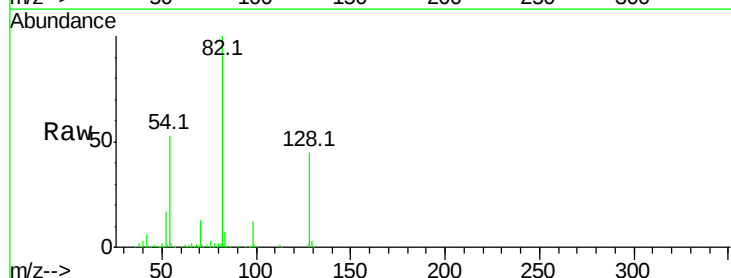
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

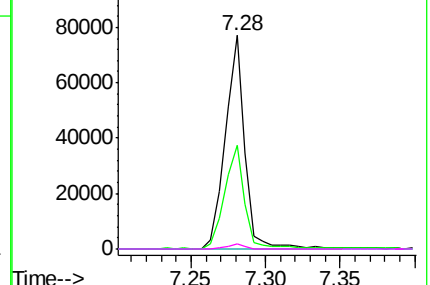
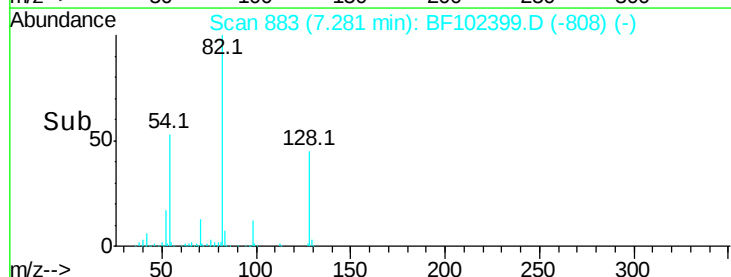


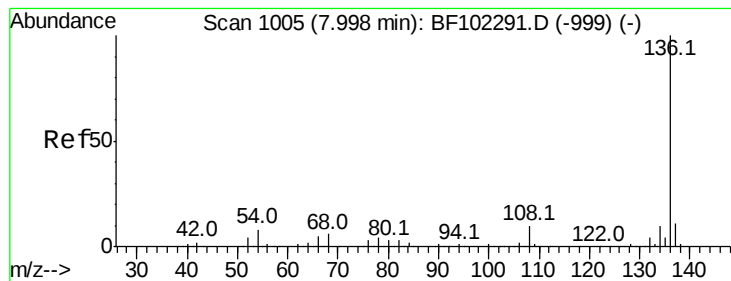
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 462789

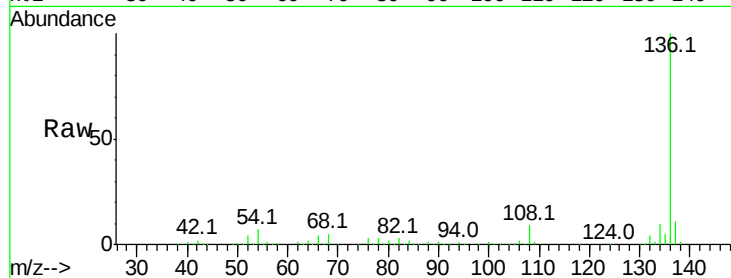
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.3 6.6 9.8

68 5.3 5.0 7.4

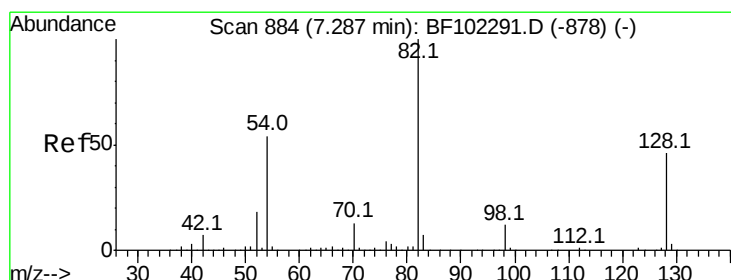
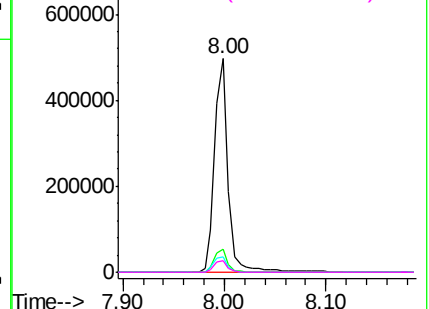
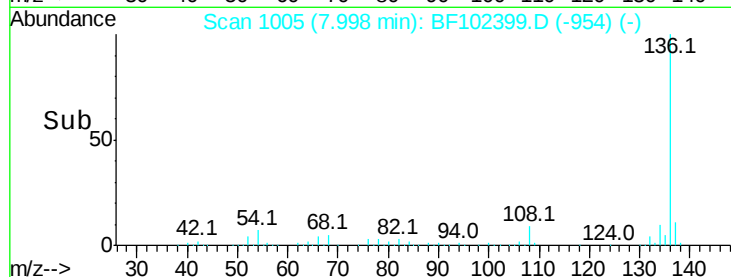


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.225 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

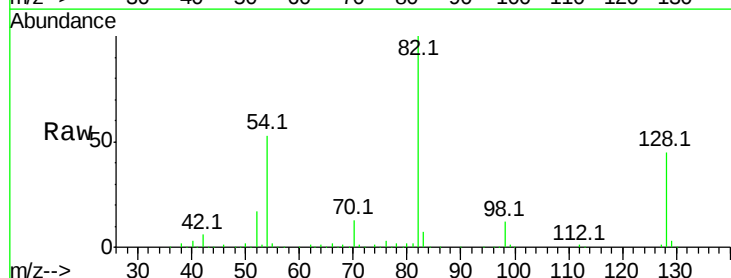
Tgt Ion: 82 Resp: 541371

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

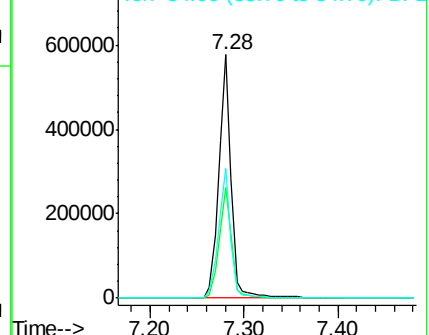
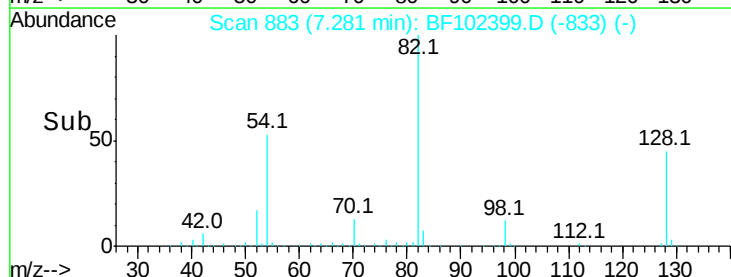
54 53.1 41.4 62.2

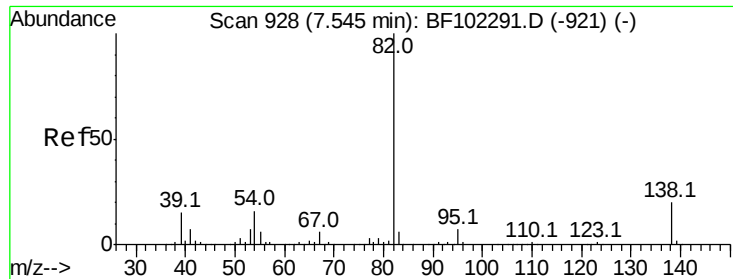


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.118 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampleId :

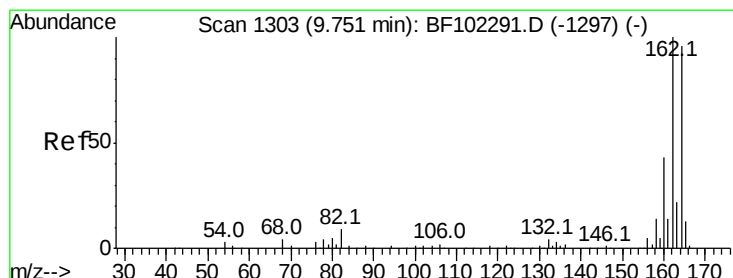
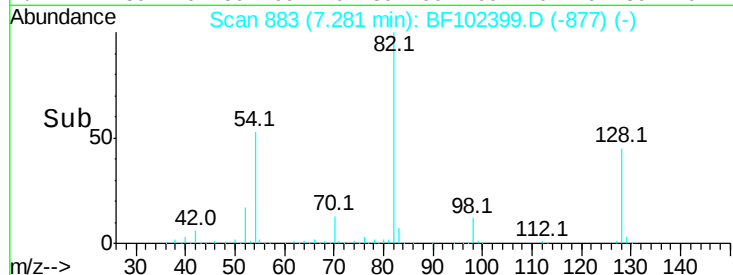
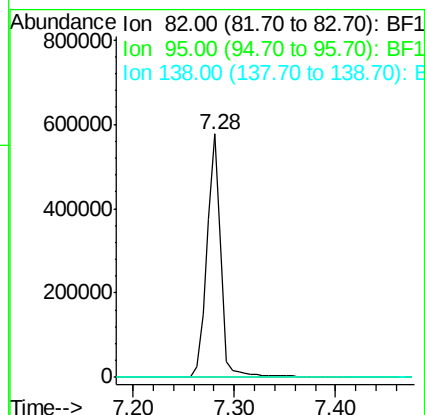
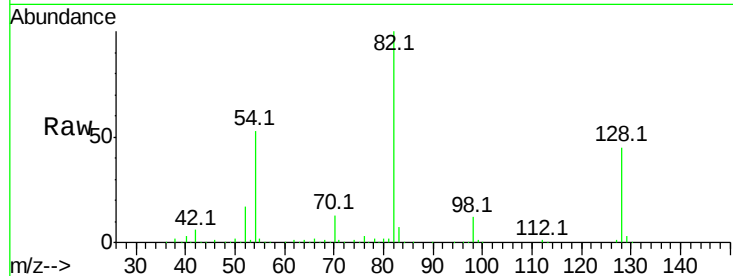
Tot Ion: 82 Resp: 532901

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

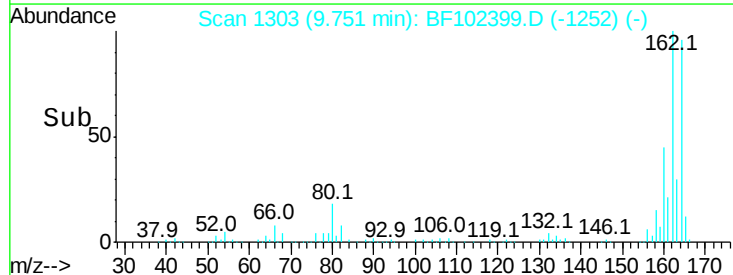
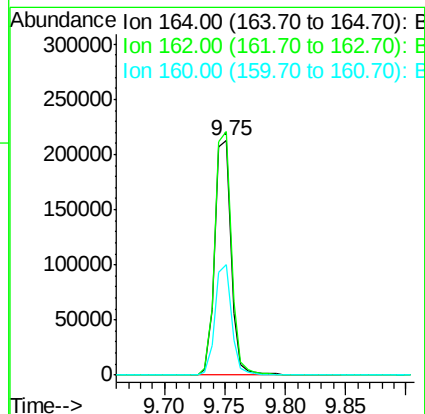
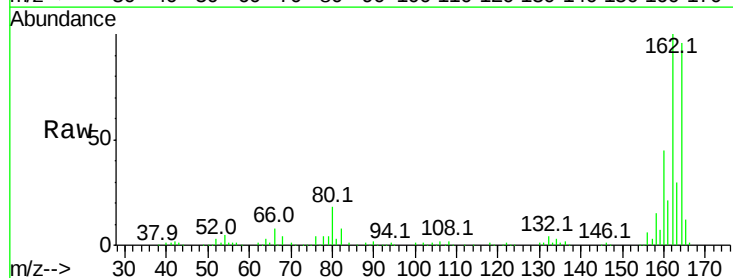
Tgt Ion:164 Resp: 199528

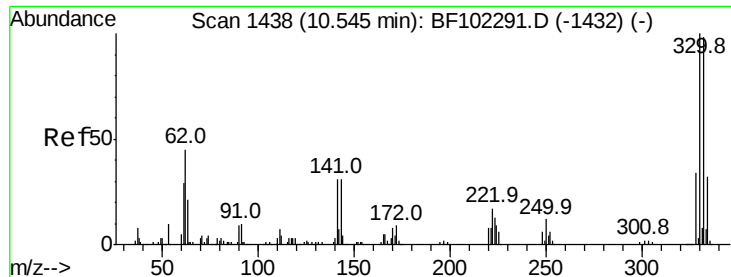
Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 47.1 38.3 57.5

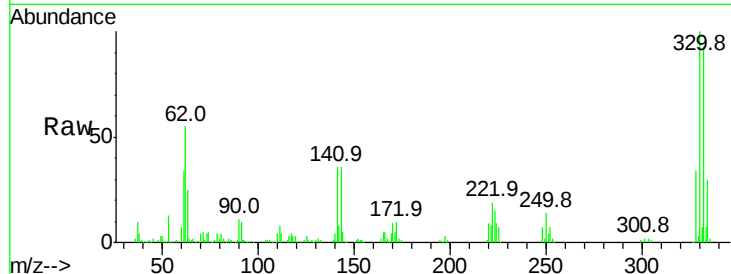




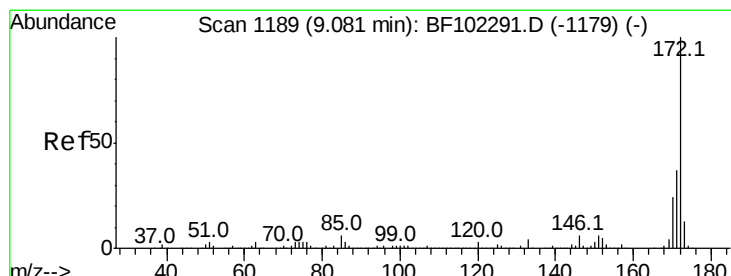
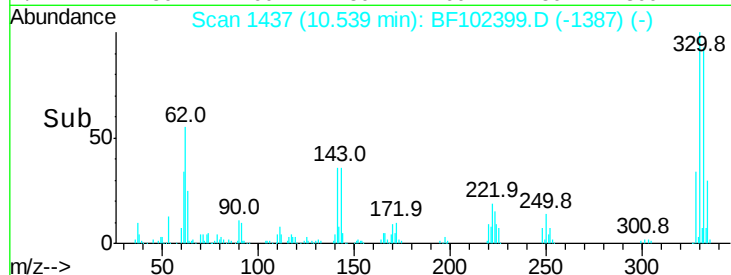
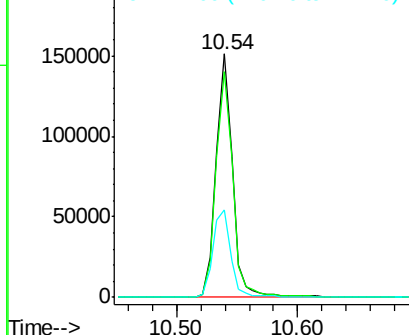
#41
 2,4,6-Tribromophenol
 Concen: 71.660 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102399.D
 Acq: 24 Jan 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	39.5	29.9	44.9

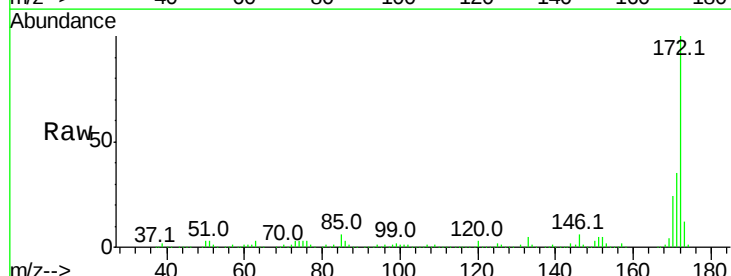


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

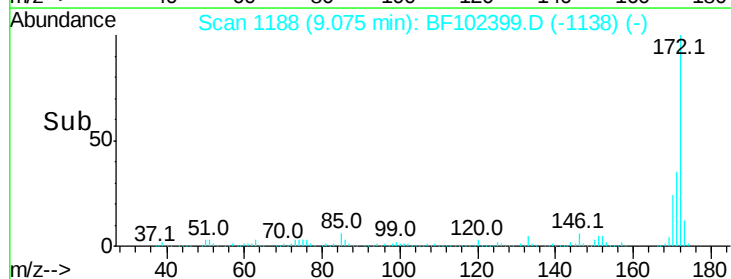
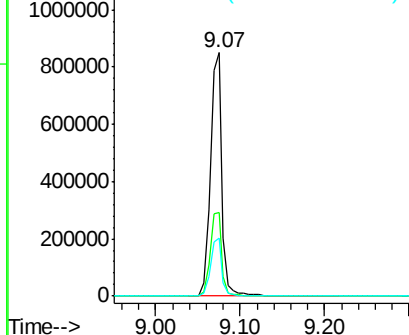


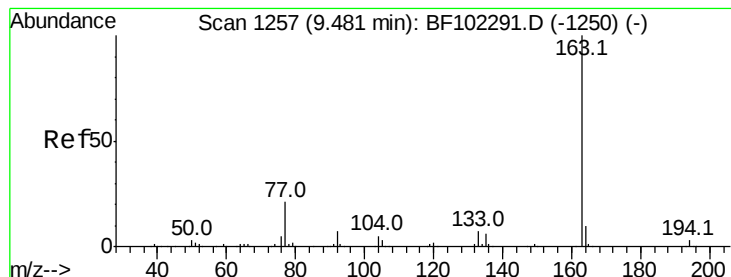
#44
 2-Fluorobiphenyl
 Concen: 60.113 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102399.D
 Acq: 24 Jan 2018 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	23.8	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: 6.637 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampleId :

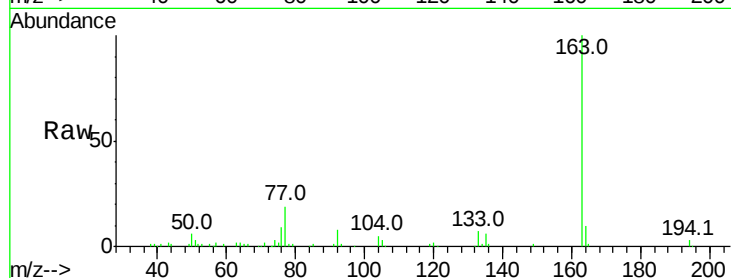
Tot Ion:163 Resp: 109463

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

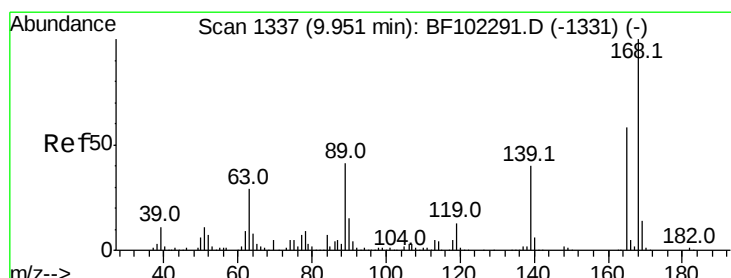
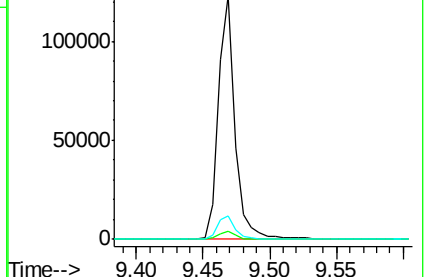
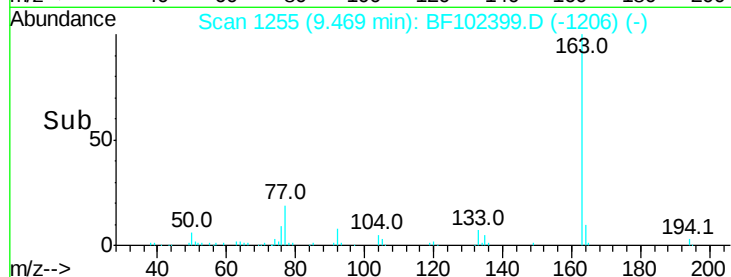
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.668 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Tgt Ion:165 Resp: 24783

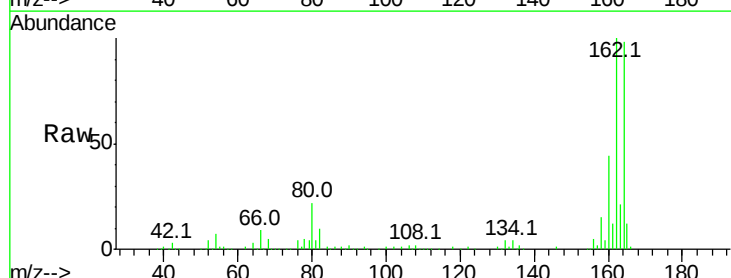
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

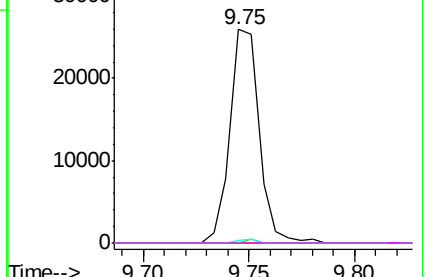
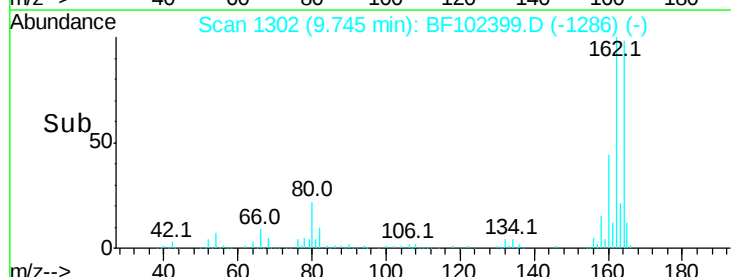


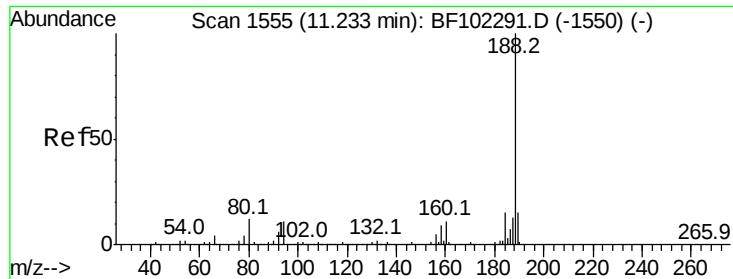
Abundance Ion 165.00 (164.70 to 165.70): E

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

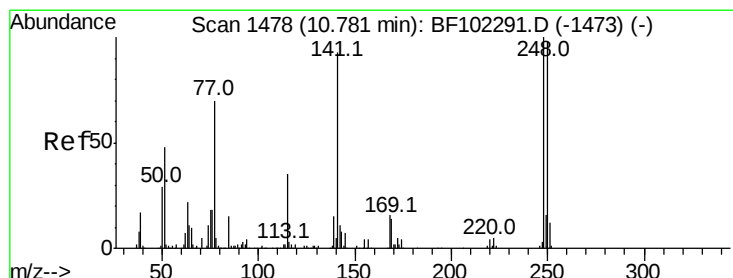
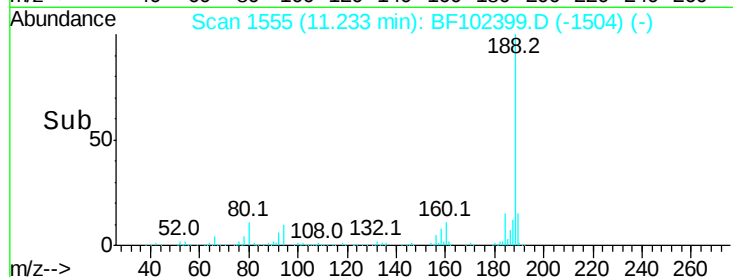
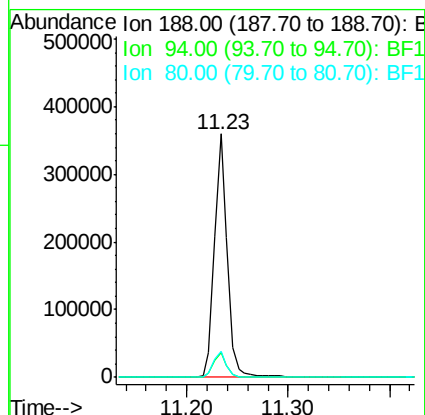
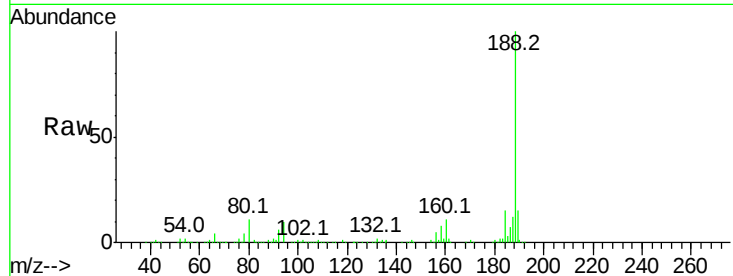




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102399.D
Acq: 24 Jan 2018 19:39

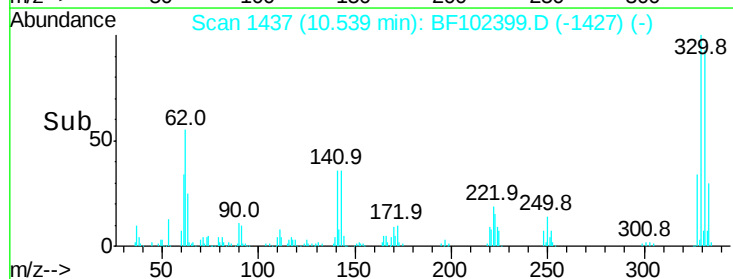
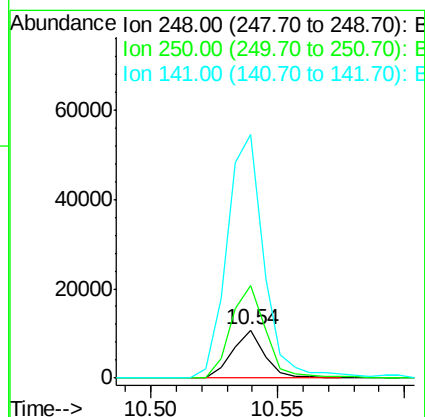
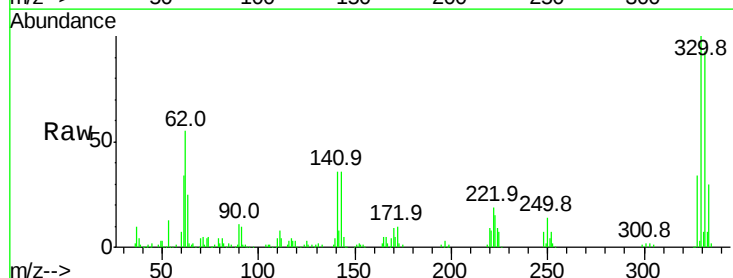
Instrument :
BNA_F
ClientSampleId :

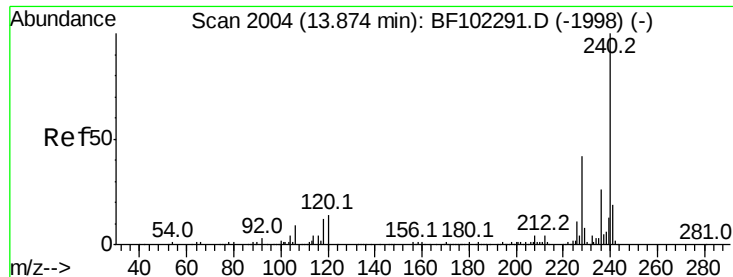
Tot Ion:188 Resp: 318481
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.9 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.750 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102399.D
Acq: 24 Jan 2018 19:39

Tgt Ion:248 Resp: 9428
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 509.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

Instrument :

BNA_F

ClientSampleId :

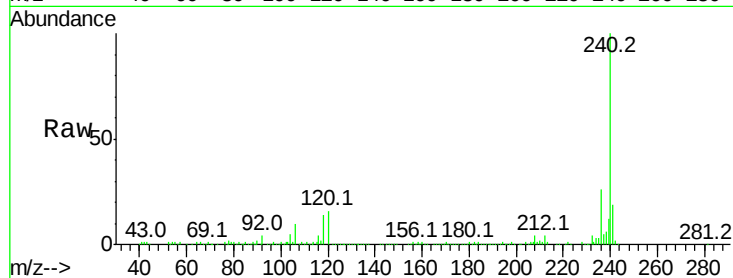
Tot Ion:240 Resp: 244082

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

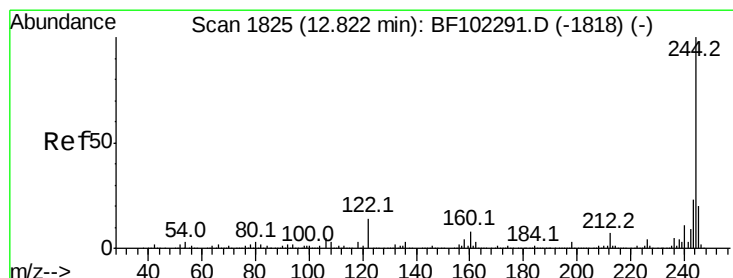
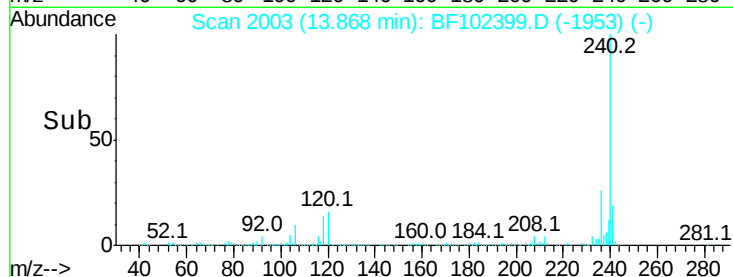
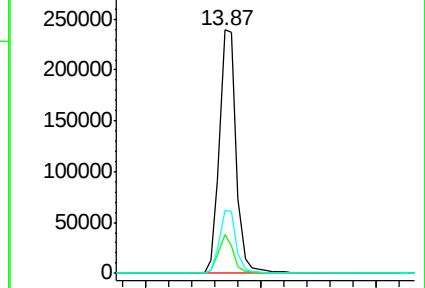
236 25.7 20.7 31.1



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: 50.288 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102399.D

Acq: 24 Jan 2018 19:39

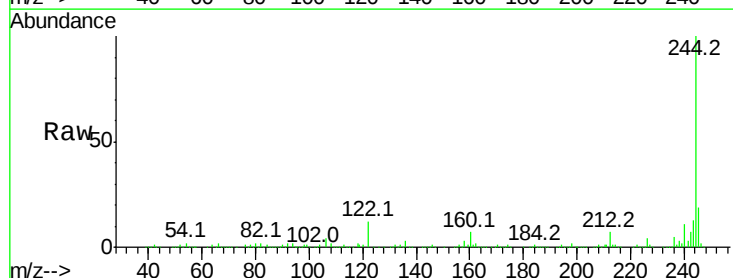
Tgt Ion:244 Resp: 544473

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

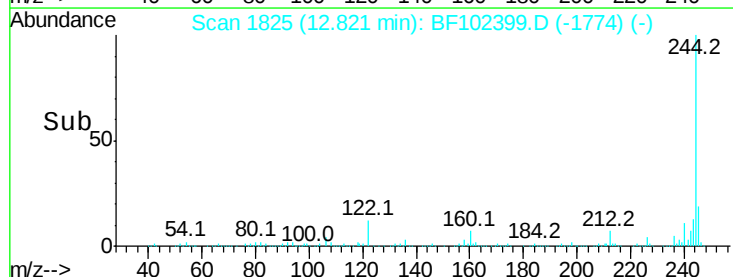
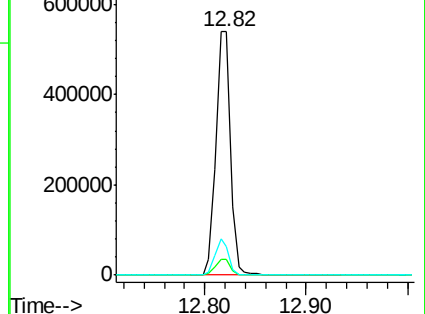
122 11.7 11.0 16.4

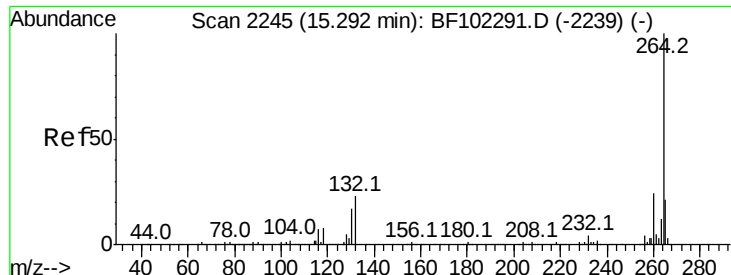


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

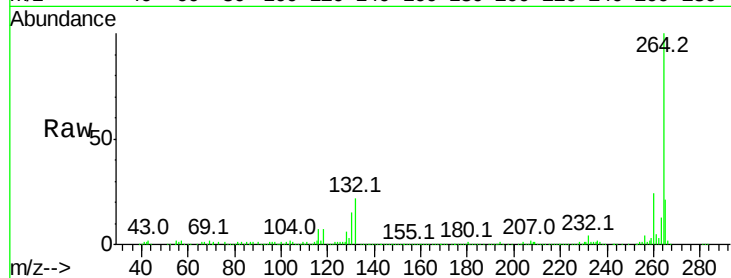




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102399.D
 Acq: 24 Jan 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	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

