

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101417\
 Data File : BF099492.D
 Acq On : 14 Oct 2017 22:26
 Operator : SJ/JU
 Sample : I5776-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 14 23:37:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

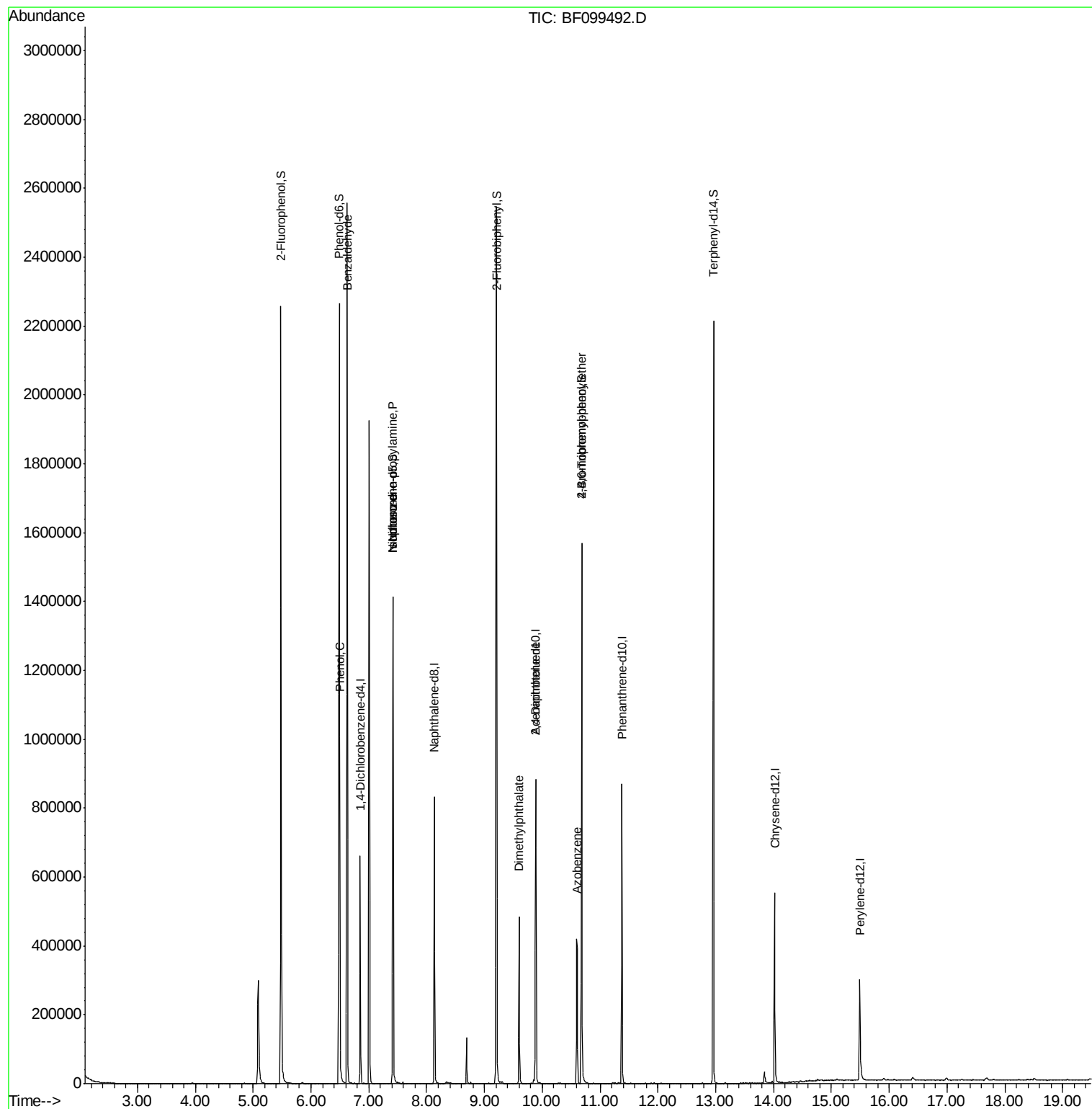
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	91983	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	384690	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	174808	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	308151	20.00	ng	0.00
75) Chrysene-d12	14.02	240	198811	20.00	ng	0.00
86) Perylene-d12	15.49	264	144627	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	757899	131.17	ng	0.01
7) Phenol-d6	6.49	99	909596	127.61	ng	0.00
23) Nitrobenzene-d5	7.42	82	538902	89.84	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	184909	129.27	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	922155	88.07	ng	0.00
78) Terphenyl-d14	12.96	244	760101	86.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	15198	3.676	ng	90
10) Phenol	6.50	94	66449	8.335	ng	96
19) n-Nitroso-di-n-propylamine	7.42	70	67632	14.861	ng	# 74
25) Isophorone	7.42	82	538896	43.452	ng	# 64
49) Dimethylphthalate	9.60	163	216375	16.400	ng	99
56) 2,4-Dinitrotoluene	9.89	165	21612	5.798	ng	# 24
62) Azobenzene	10.60	77	76998	6.496	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	12557	4.163	ng	# 1

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

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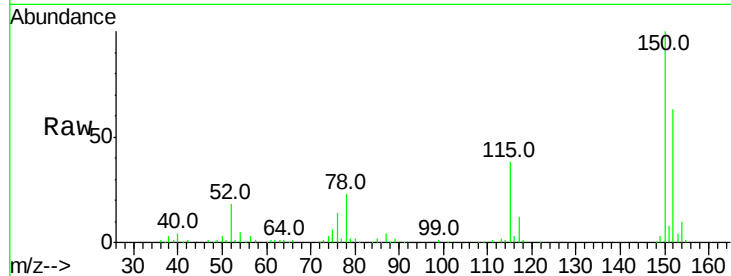




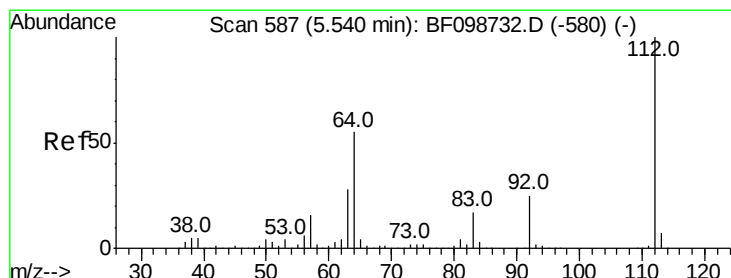
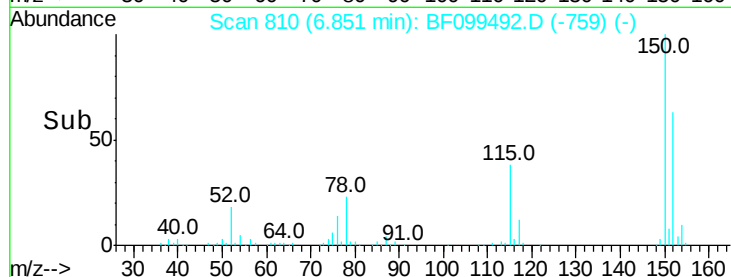
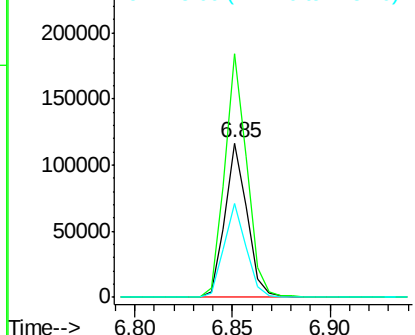
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF099492.D
 Acq: 14 Oct 2017 22:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 91983
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.6 186.8
 115 60.3 50.1 75.1

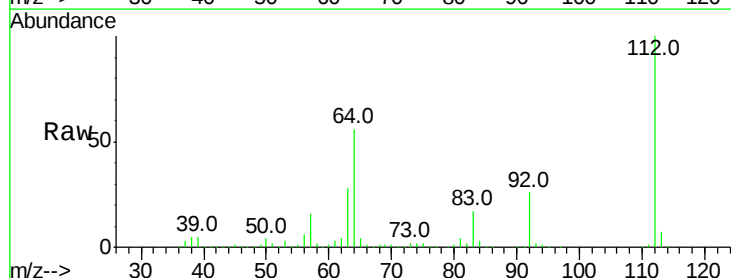


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

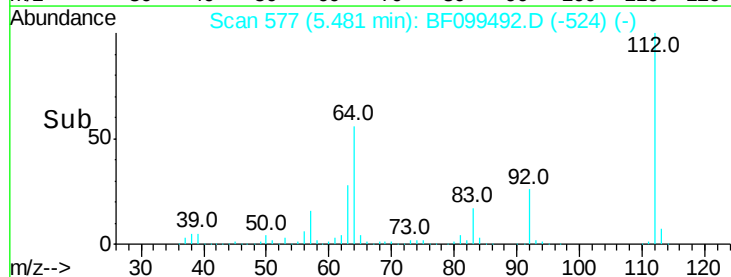
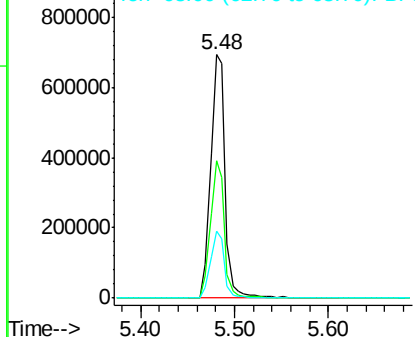


#5
 2-Fluorophenol
 Concen: 131.166 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF099492.D
 Acq: 14 Oct 2017 22:26

Tgt Ion:112 Resp: 757899
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 27.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.608 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampled :

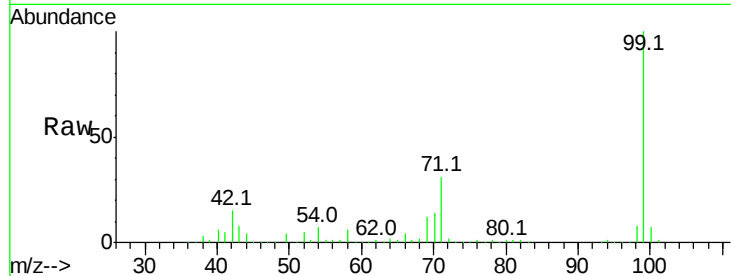
Tot Ion: 99 Resp: 909596

Ion Ratio Lower Upper

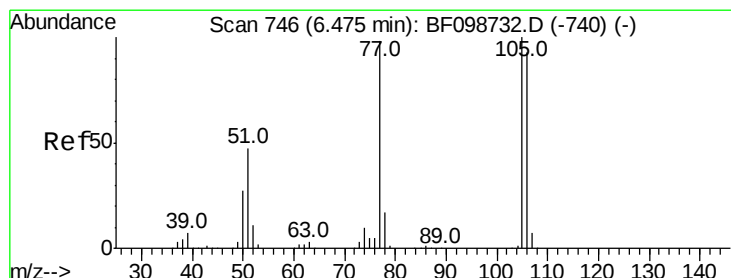
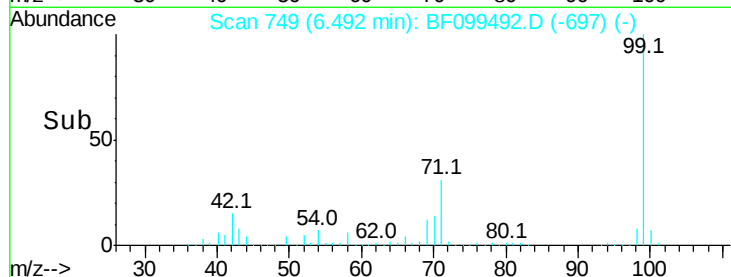
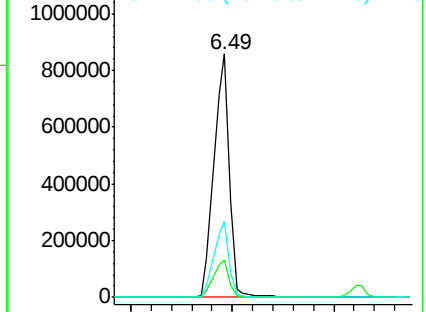
99 100

42 15.4 14.5 21.7

71 31.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.676 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

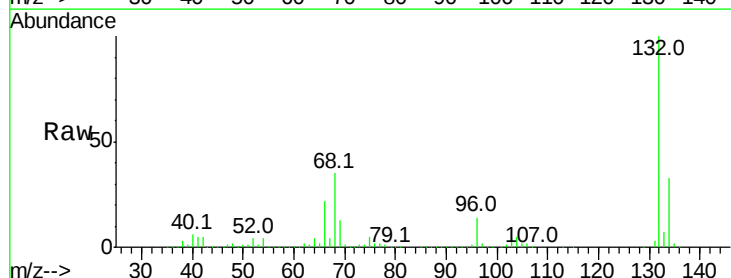
Tgt Ion: 77 Resp: 15198

Ion Ratio Lower Upper

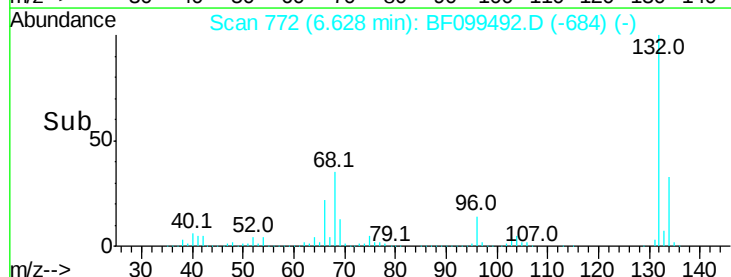
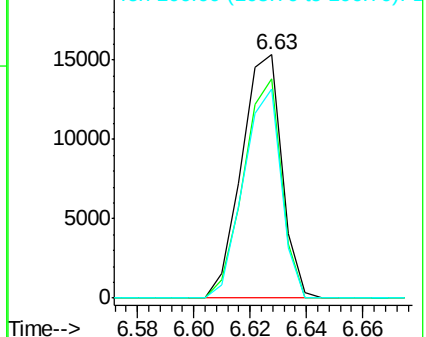
77 100

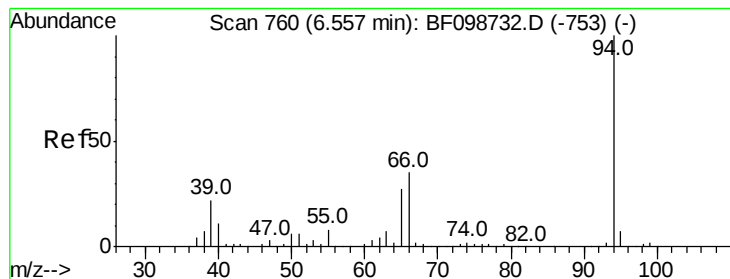
105 90.0 81.1 121.1

106 86.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 8.335 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampleId :

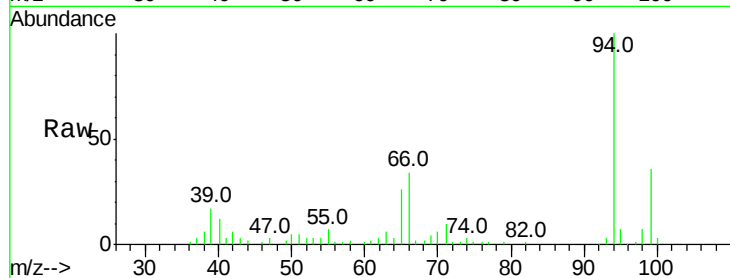
Tot Ion: 94 Resp: 66449

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

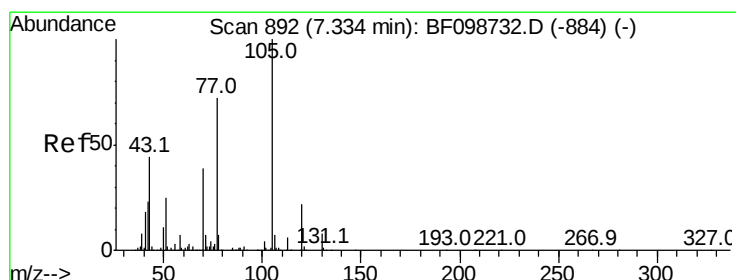
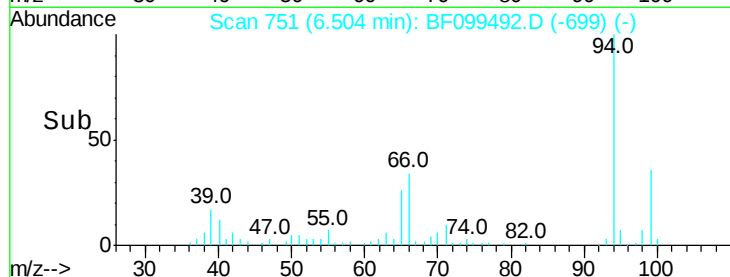
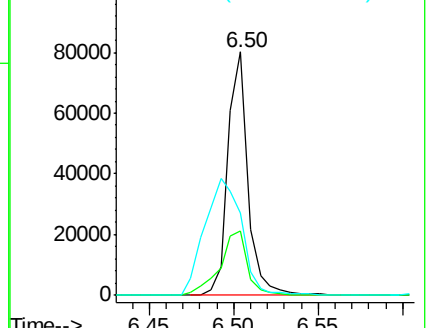
66 33.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.861 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Tgt Ion: 70 Resp: 67632

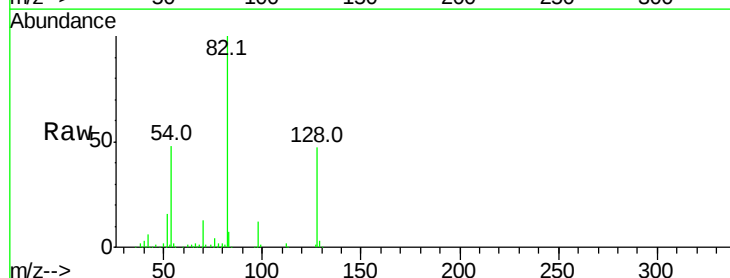
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

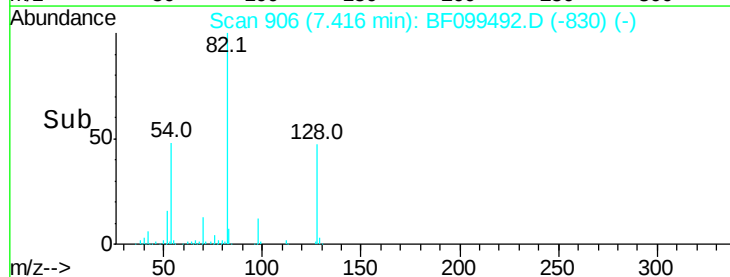
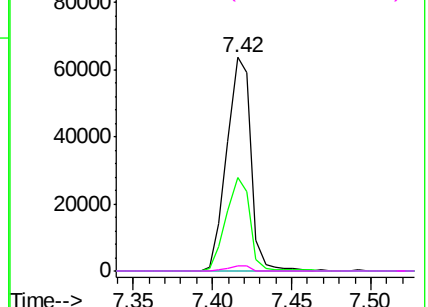


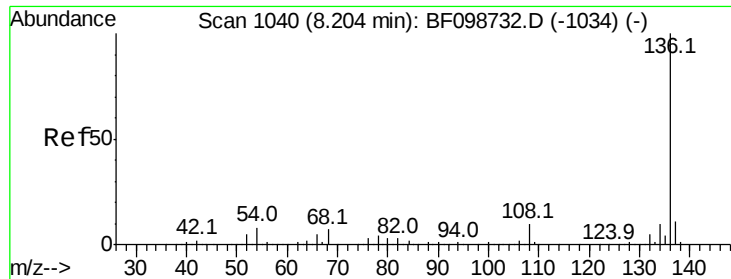
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

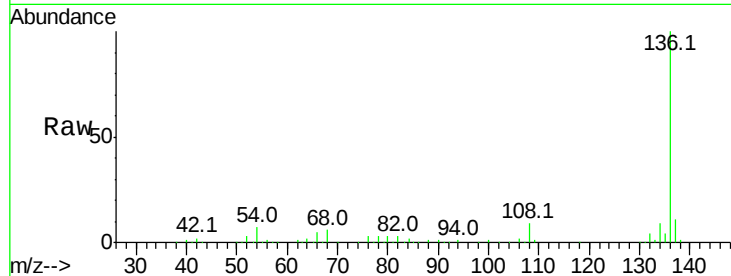




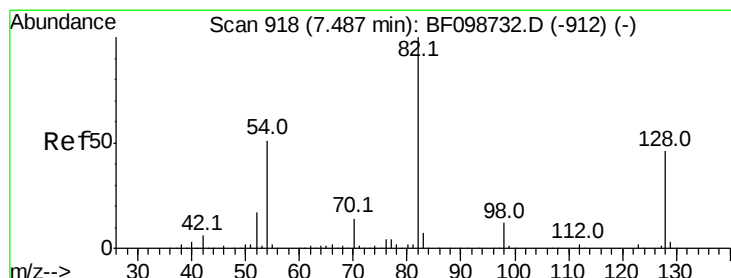
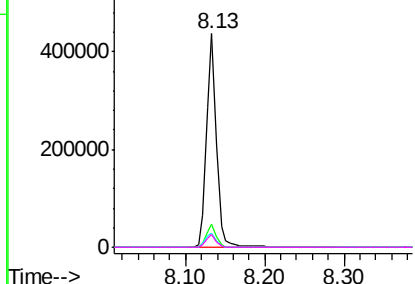
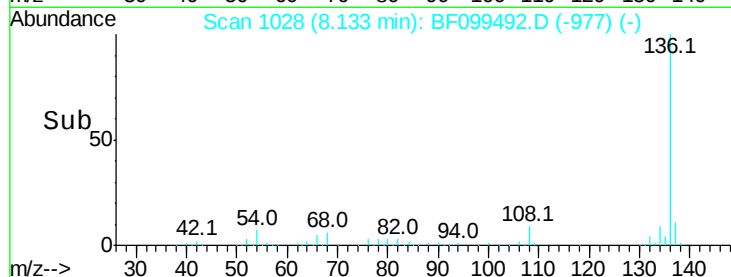
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099492.D
Acq: 14 Oct 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	384690
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4

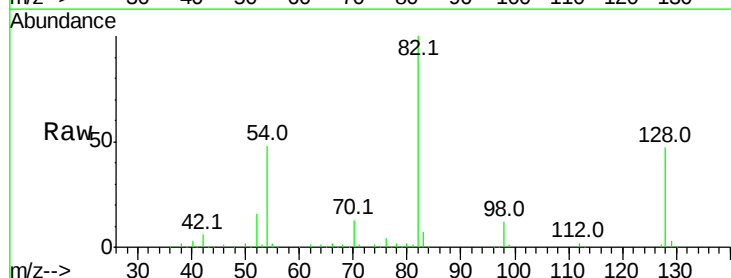


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

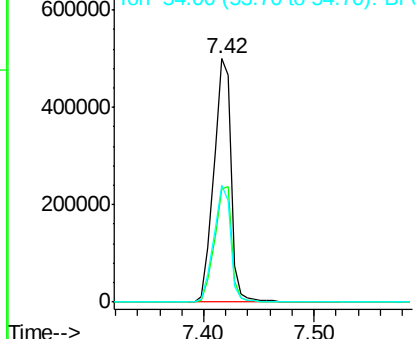
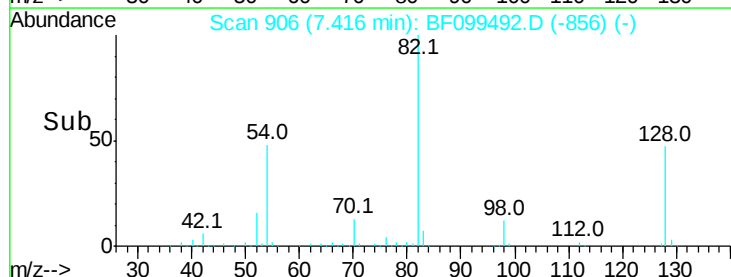


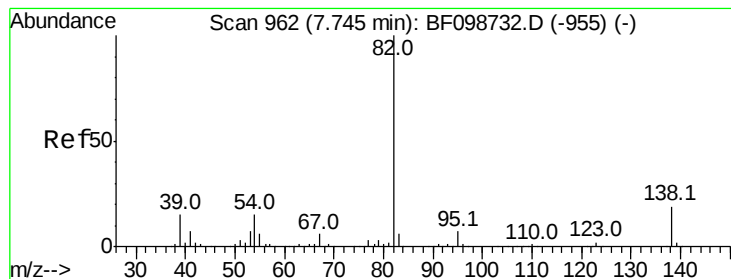
#23
Nitrobenzene-d5
Concen: 89.838 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099492.D
Acq: 14 Oct 2017 22:26

Tgt Ion:	82	Resp:	538902
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	47.8	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.452 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampleId :

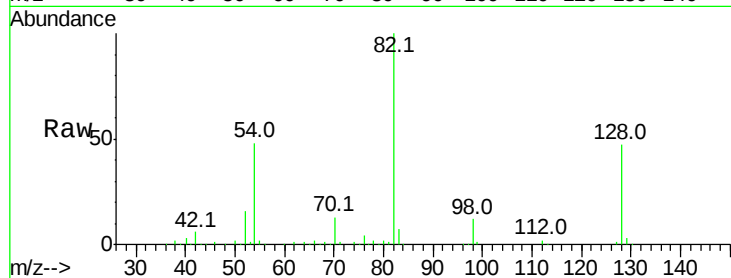
Tot Ion: 82 Resp: 538896

Ion Ratio Lower Upper

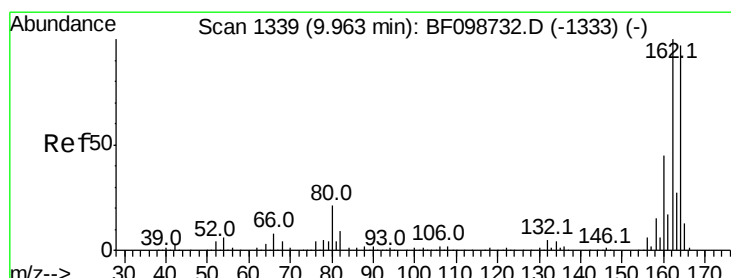
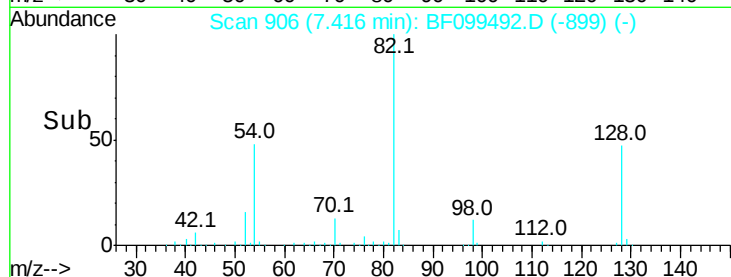
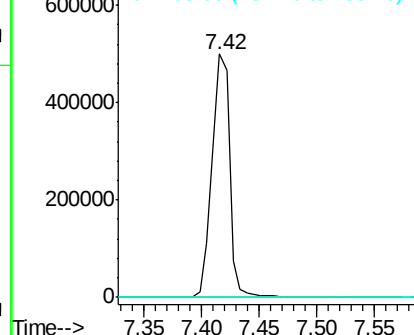
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

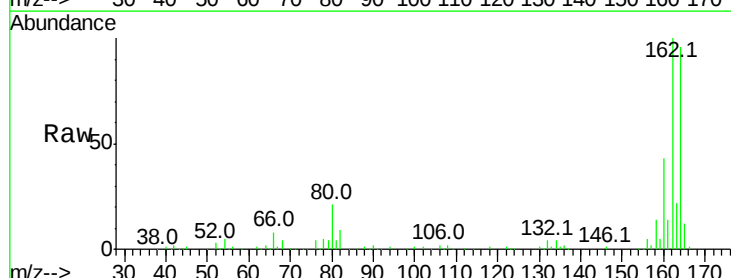
Tgt Ion:164 Resp: 174808

Ion Ratio Lower Upper

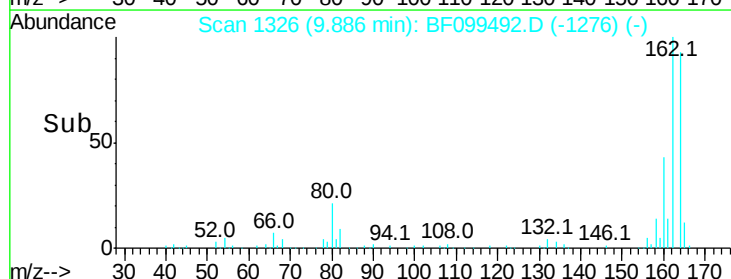
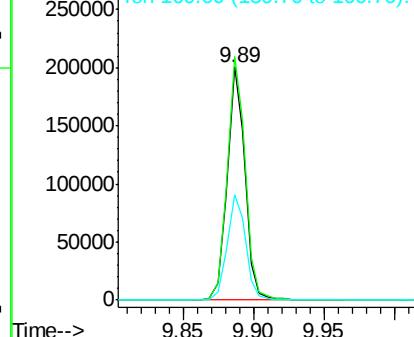
164 100

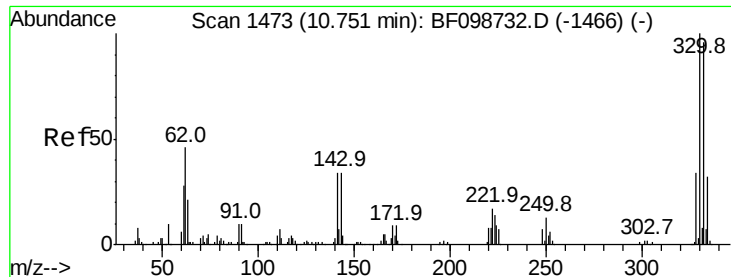
162 104.5 86.1 129.1

160 45.2 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

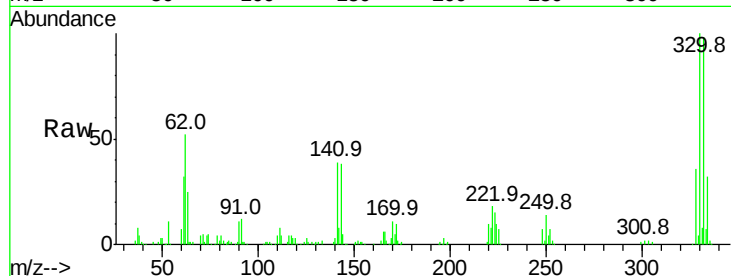




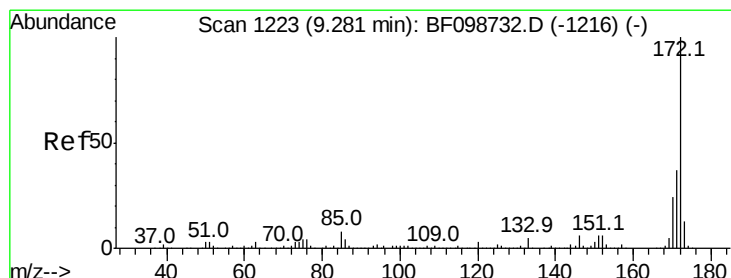
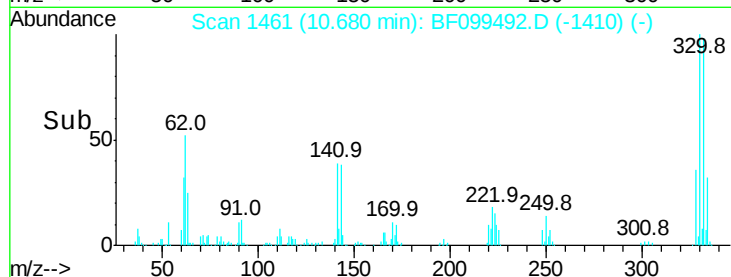
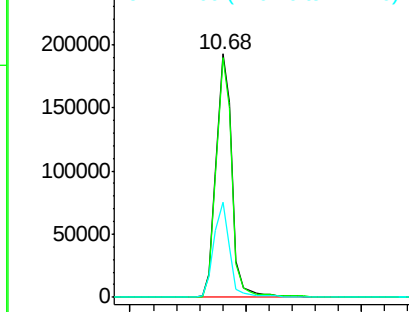
#41
 2,4,6-Tribromophenol
 Concen: 129.271 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099492.D
 Acq: 14 Oct 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	38.8	29.9	44.9

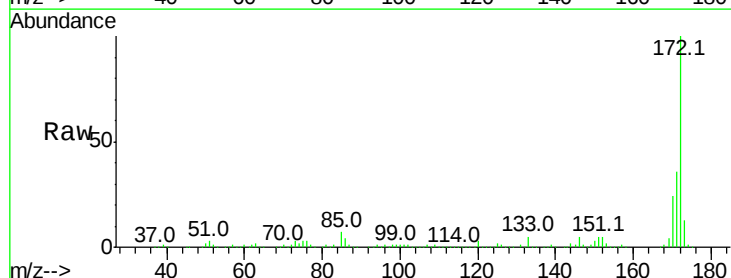


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

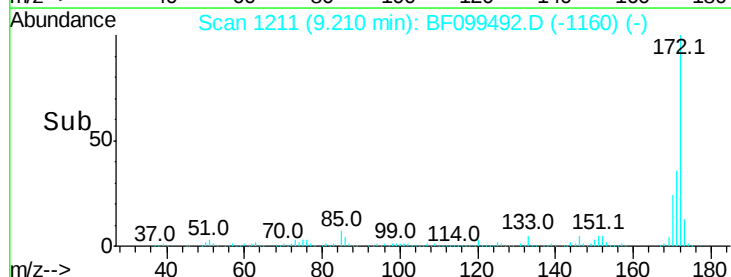
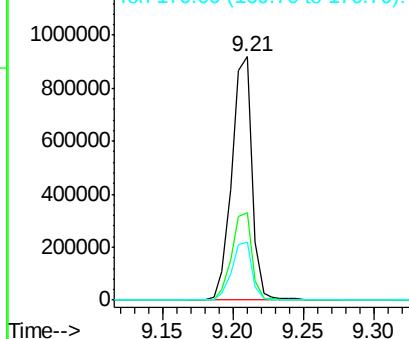


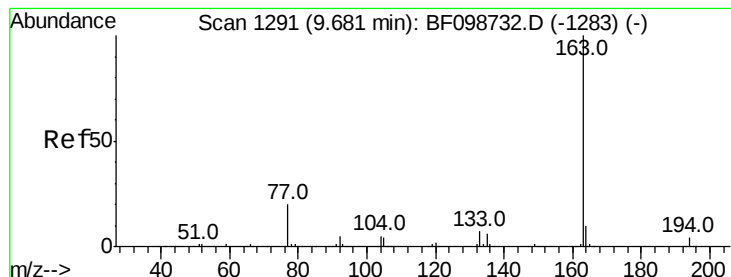
#44
 2-Fluorobiphenyl
 Concen: 88.066 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099492.D
 Acq: 14 Oct 2017 22:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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





#49

Dimethylphthalate

Concen: 16.400 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampleId :

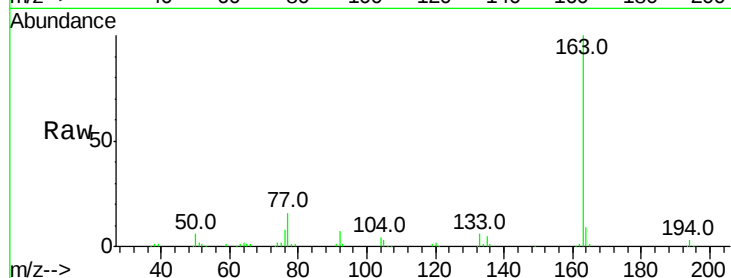
Tot Ion:163 Resp: 216375

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

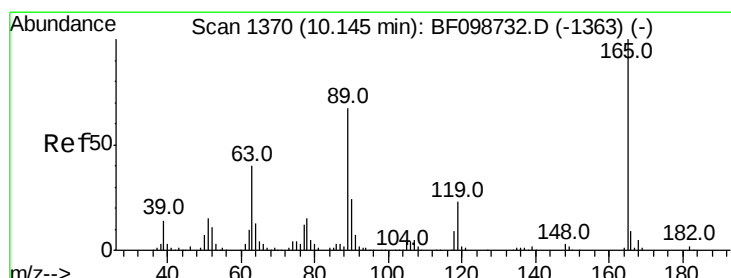
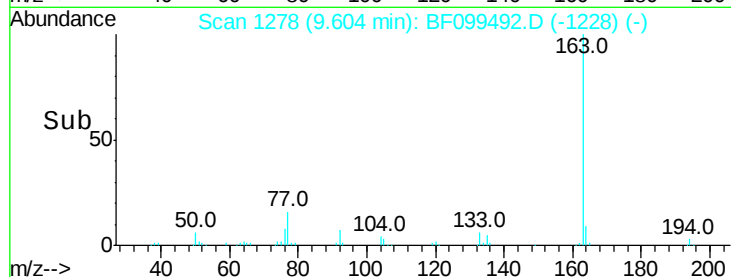
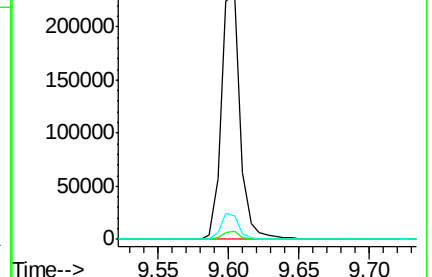
164 9.5 8.2 12.2



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: 5.798 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Tgt Ion:165 Resp: 21612

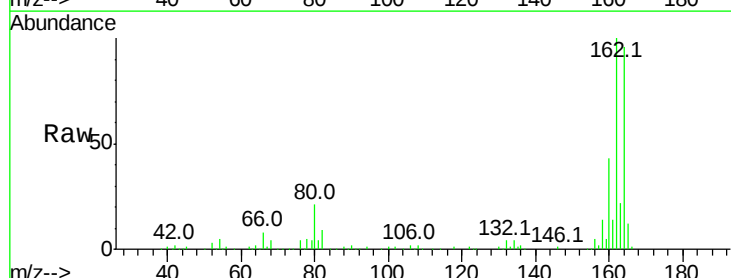
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 2.4 57.8 86.6#

182 0.0 1.6 2.4#

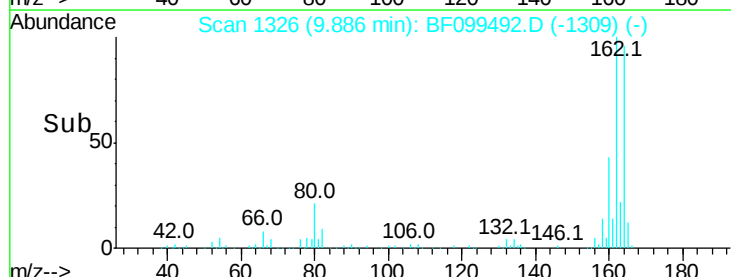
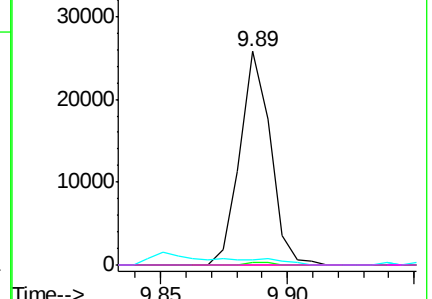


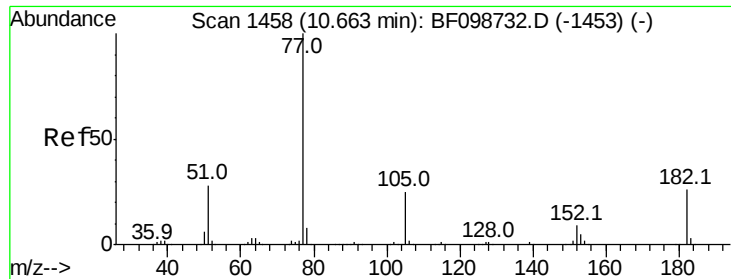
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 6.496 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 76998

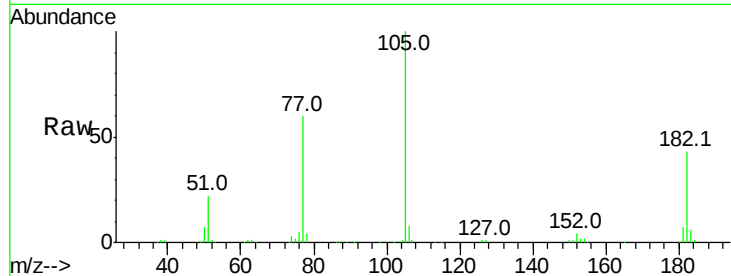
Ion Ratio Lower Upper

77 100

182 71.6 1.7 41.7#

105 167.5 3.0 43.0#

51 36.5 9.9 49.9

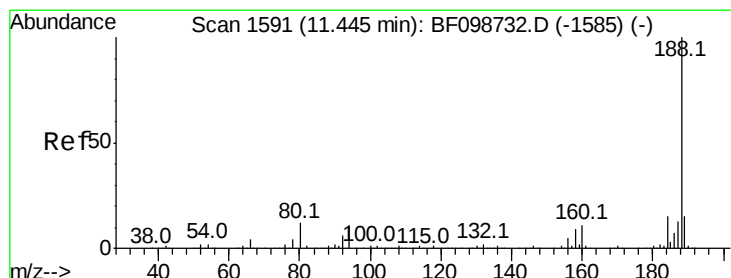
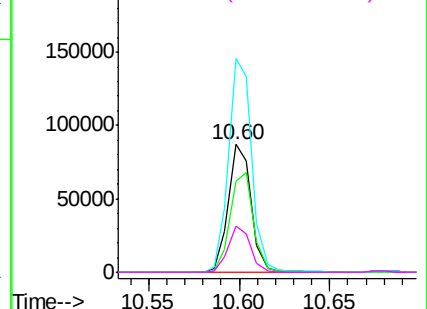
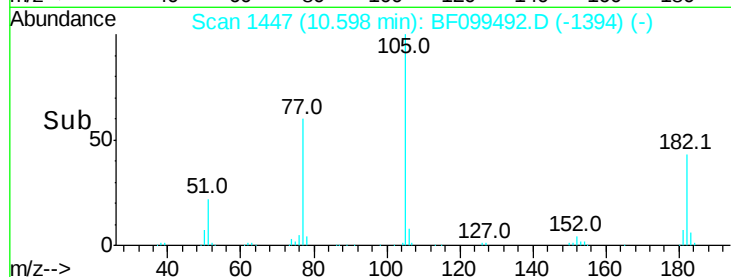


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

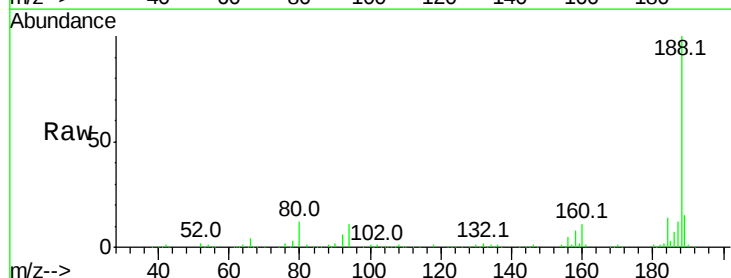
Tgt Ion: 188 Resp: 308151

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

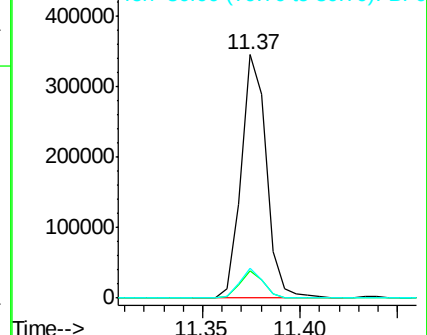
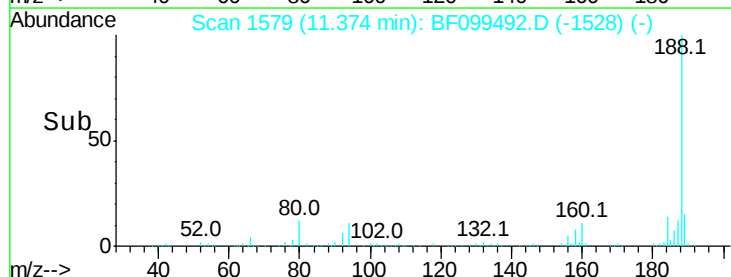
80 12.3 9.2 13.8

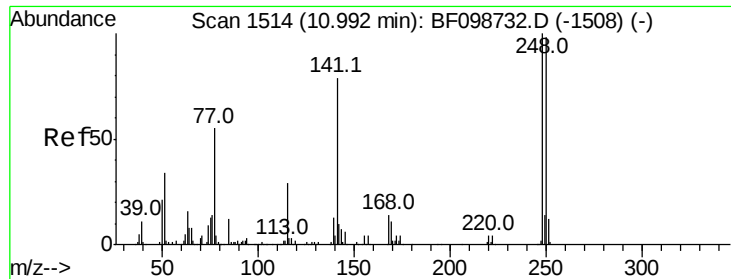


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

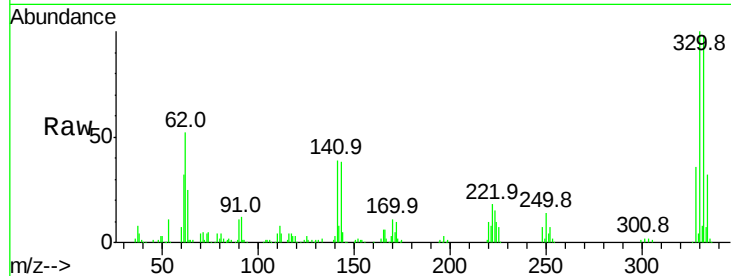




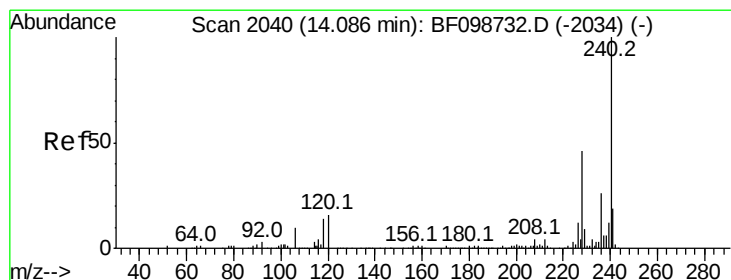
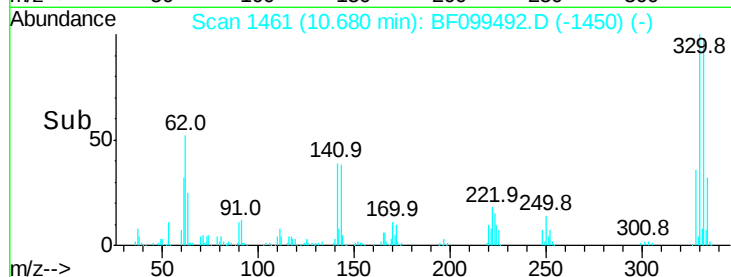
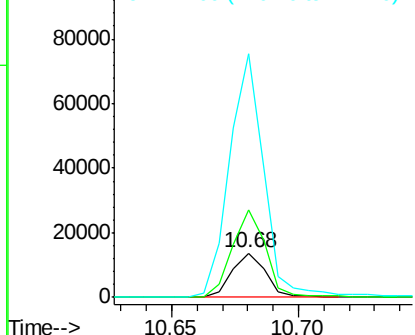
#66
4-Bromophenyl-phenylether
Concen: 4.163 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099492.D
Acq: 14 Oct 2017 22:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12557
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 550.5 74.4 111.6#

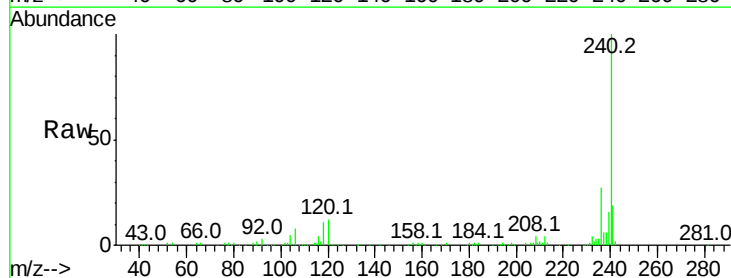


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

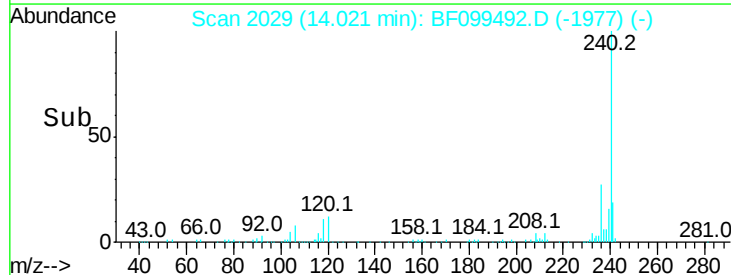
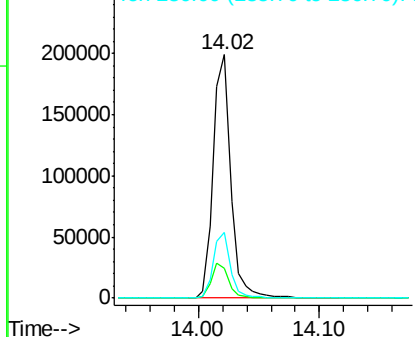


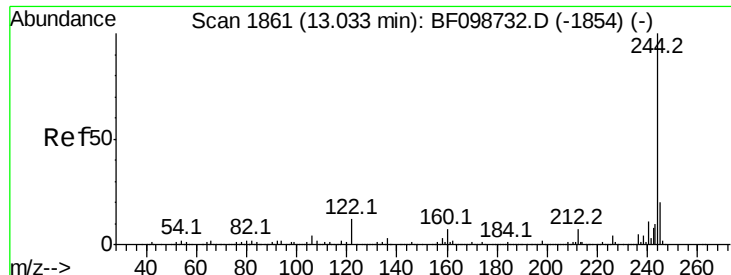
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099492.D
Acq: 14 Oct 2017 22:26

Tgt Ion:240 Resp: 198811
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 26.8 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: 86.948 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

Instrument :

BNA_F

ClientSampled :

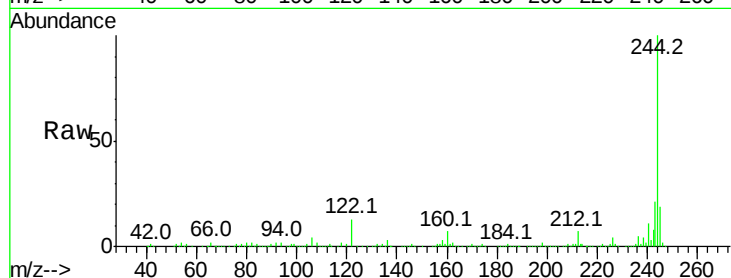
Tot Ion:244 Resp: 760101

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

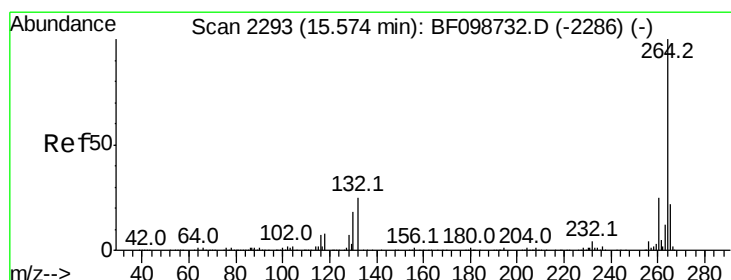
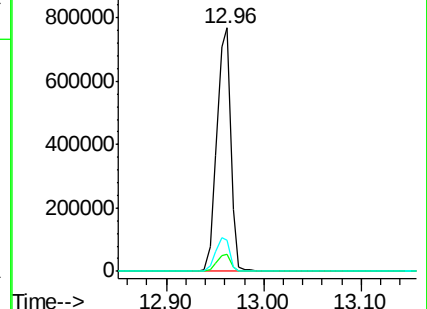
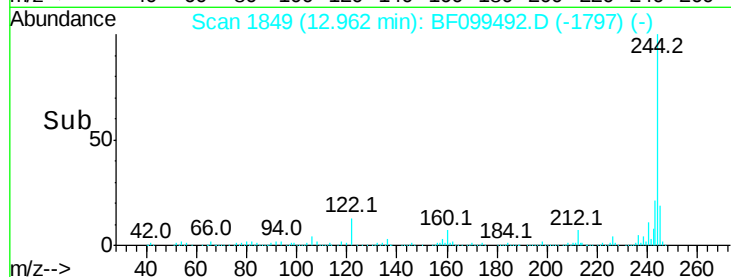
122 12.6 11.0 16.4



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: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF099492.D

Acq: 14 Oct 2017 22:26

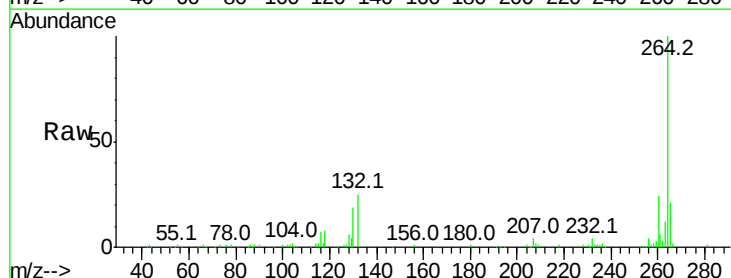
Tgt Ion:264 Resp: 144627

Ion Ratio Lower Upper

264 100

260 23.6 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

