

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100085.D
 Acq On : 2 Nov 2017 15:26
 Operator : SJ/JU
 Sample : I6226-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 16:15:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 02 16:13:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	97620	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	403950	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	182434	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	313234	20.00	ng	0.00
75) Chrysene-d12	13.97	240	205411	20.00	ng	-0.01
86) Perylene-d12	15.50	264	184617	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	759782	122.19	ng	0.01
7) Phenol-d6	6.42	99	917828	124.49	ng	0.00
23) Nitrobenzene-d5	7.35	82	524103	83.53	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	197779	118.96	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	972247	82.22	ng	0.00
78) Terphenyl-d14	12.89	244	747714	79.55	ng	0.00

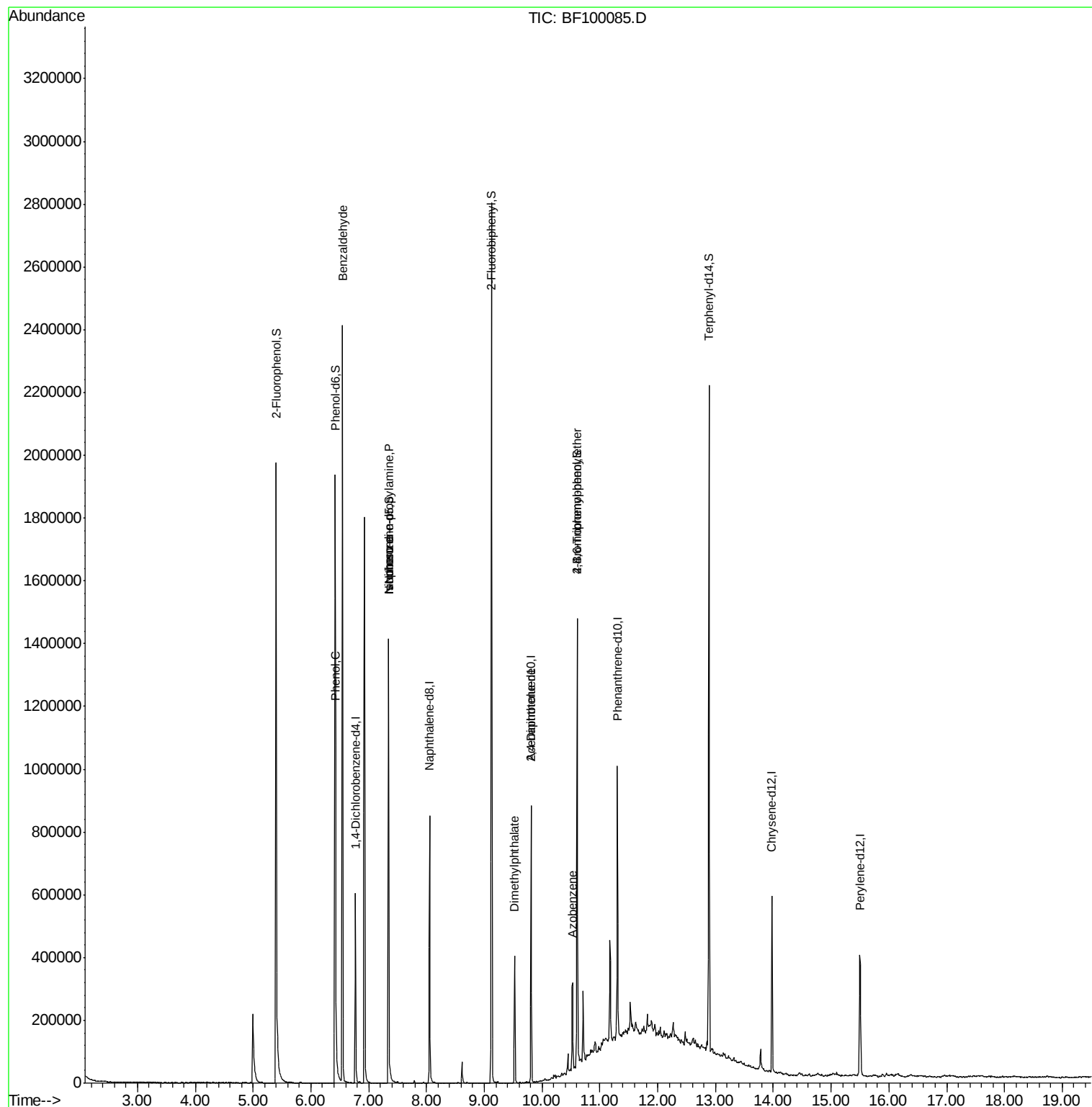
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	13035	2.959	ng	93
10) Phenol	6.43	94	23014	2.843	ng	92
19) n-Nitroso-di-n-propylamine	7.35	70	64423	14.911	ng	# 69
25) Isophorone	7.35	82	524103	46.033	ng	# 64
49) Dimethylphthalate	9.52	163	183146	12.677	ng	99
56) 2,4-Dinitrotoluene	9.80	165	24424	6.678	ng	# 21
62) Azobenzene	10.52	77	49898	4.219	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	13137	3.984	ng	# 1

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

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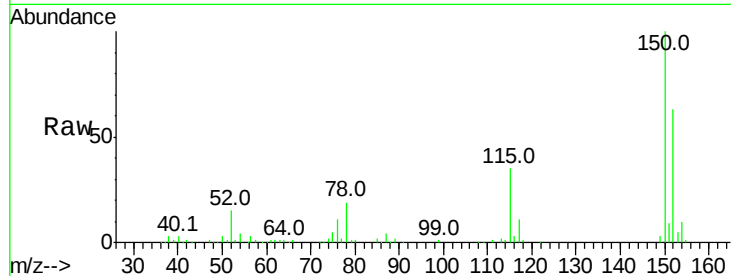


#1

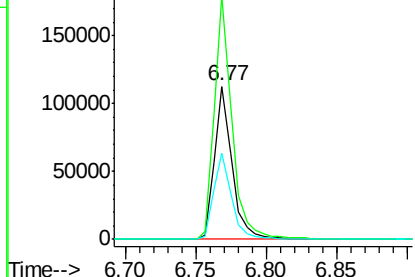
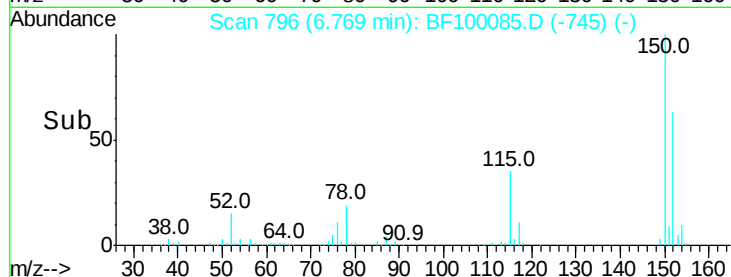
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF100085.D
Acq: 2 Nov 2017 15:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97620
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 56.1 50.1 75.1



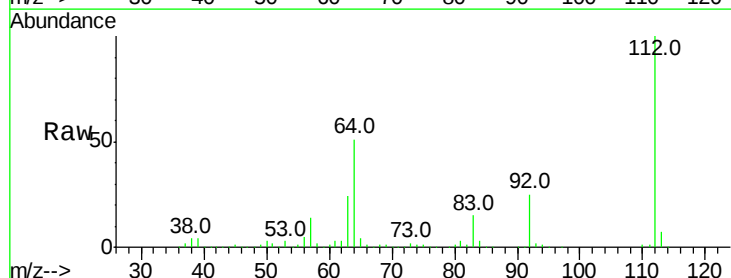
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



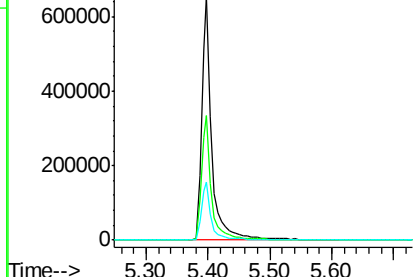
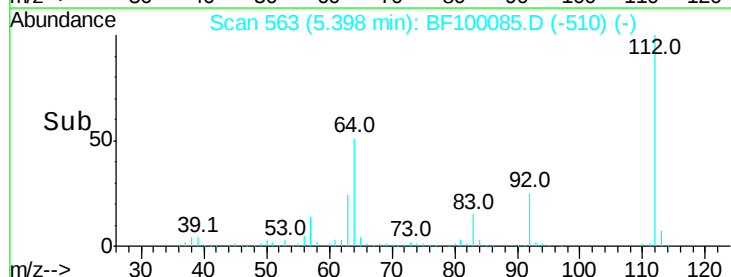
#5

2-Fluorophenol
Concen: 122.191 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100085.D
Acq: 2 Nov 2017 15:26

Tgt Ion:112 Resp: 759782
Ion Ratio Lower Upper
112 100
64 51.1 47.9 71.9
63 24.0 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: 124.489 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampled :

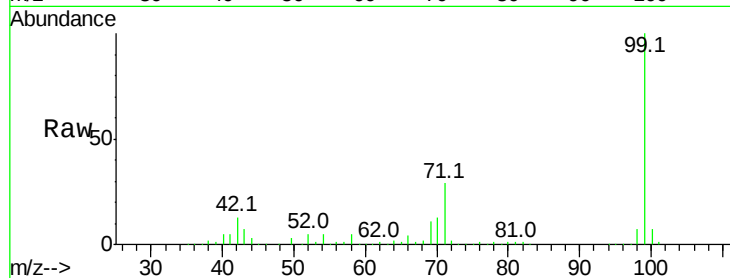
Tot Ion: 99 Resp: 917828

Ion Ratio Lower Upper

99 100

42 13.4 14.5 21.7#

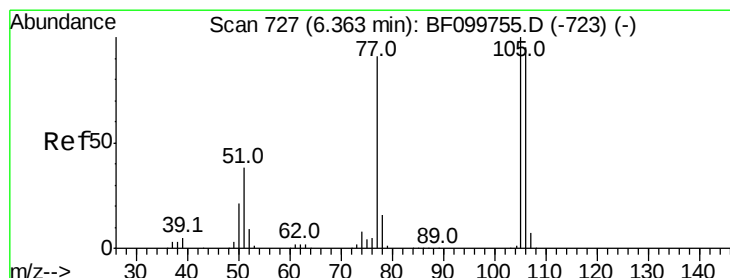
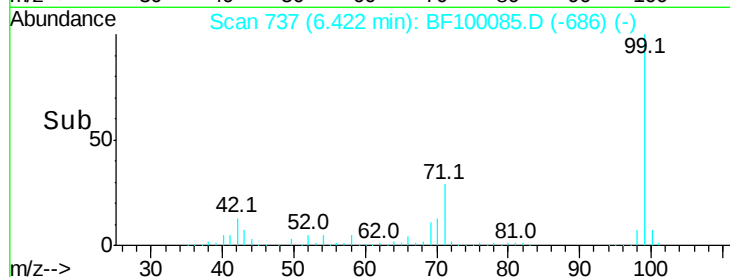
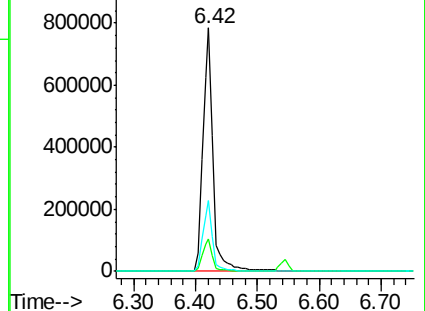
71 29.3 25.4 38.0



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: 2.959 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

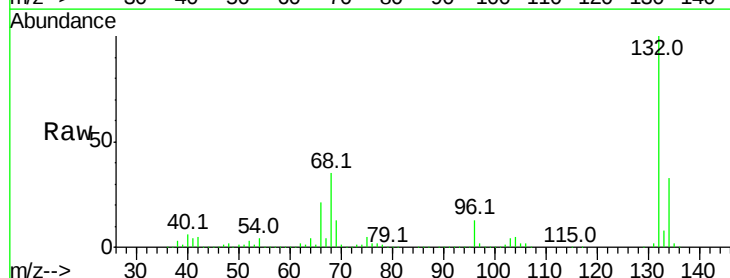
Tgt Ion: 77 Resp: 13035

Ion Ratio Lower Upper

77 100

105 90.3 81.1 121.1

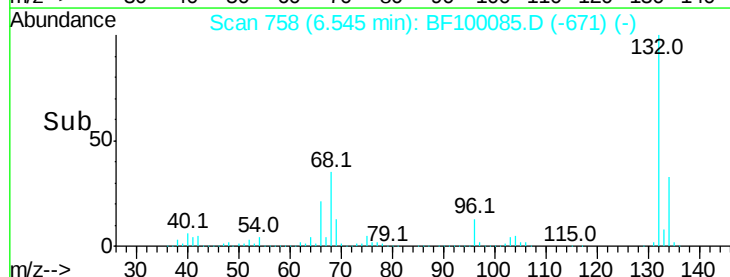
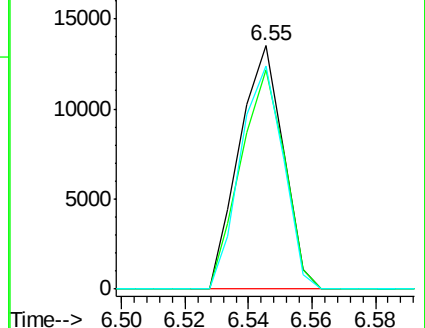
106 91.6 74.5 114.5

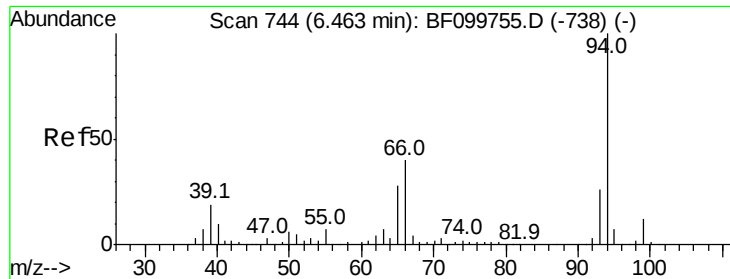


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.843 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

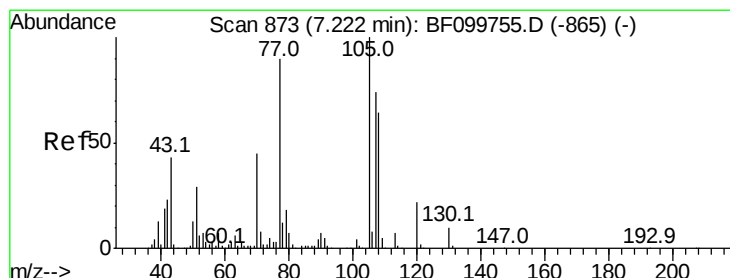
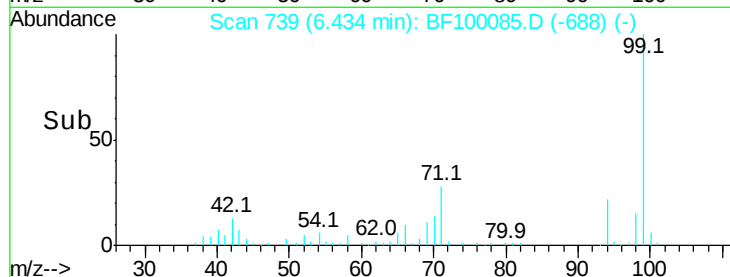
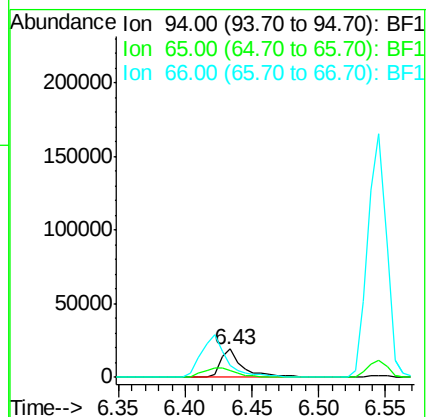
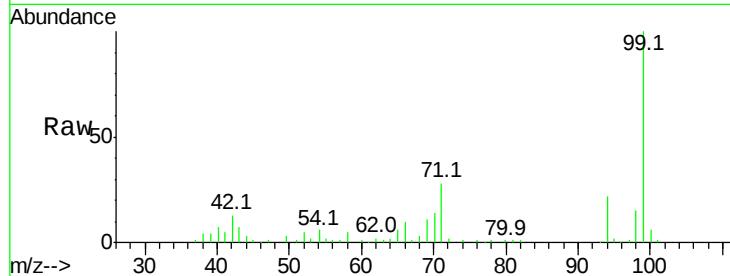
Tot Ion: 94 Resp: 23014

Ion Ratio Lower Upper

94 100

65 25.8 7.9 47.9

66 43.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.911 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.15 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Tgt Ion: 70 Resp: 64423

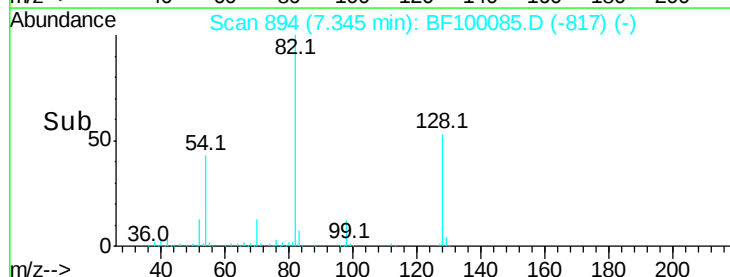
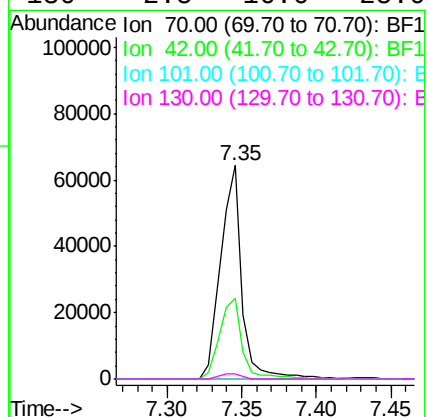
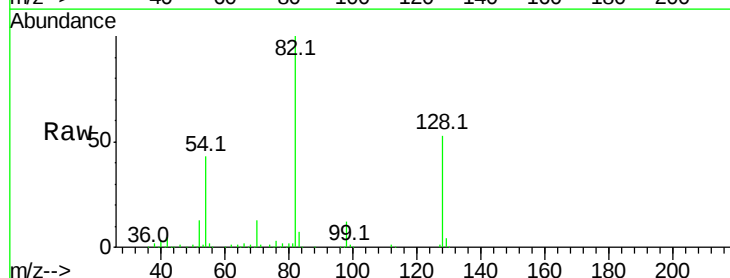
Ion Ratio Lower Upper

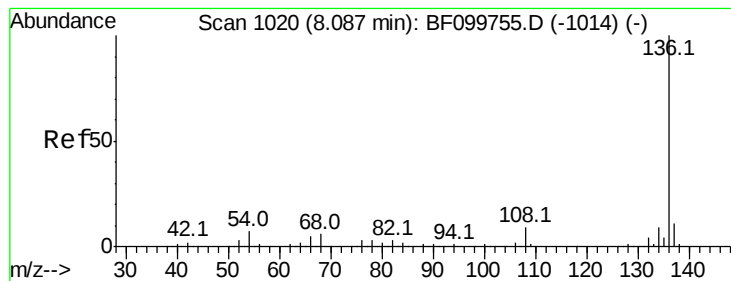
70 100

42 37.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 403950

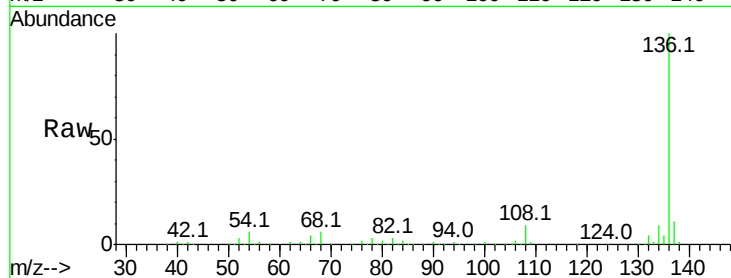
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

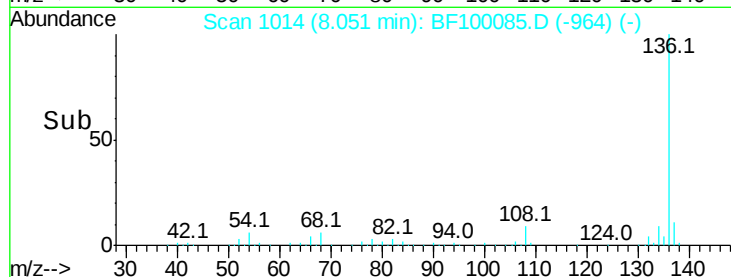


Abundance Ion 136.00 (135.70 to 136.70): E

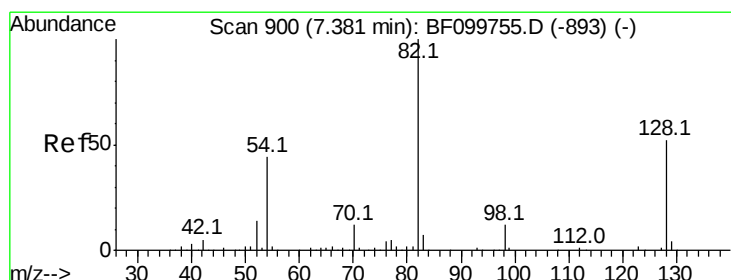
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 83.530 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.00 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

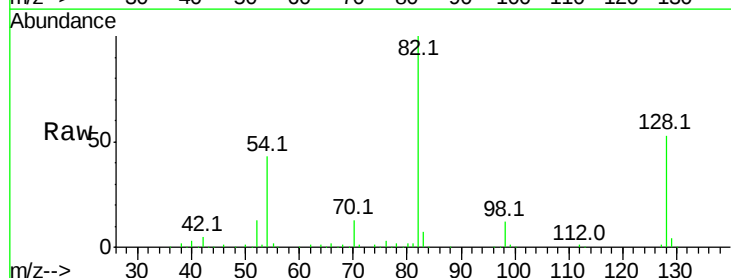
Tgt Ion: 82 Resp: 524103

Ion Ratio Lower Upper

82 100

128 52.7 36.1 54.1

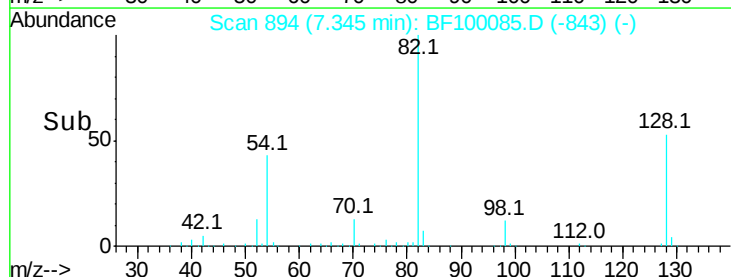
54 42.9 41.4 62.2



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



Time-->



#25

Isophorone

Concen: 46.033 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

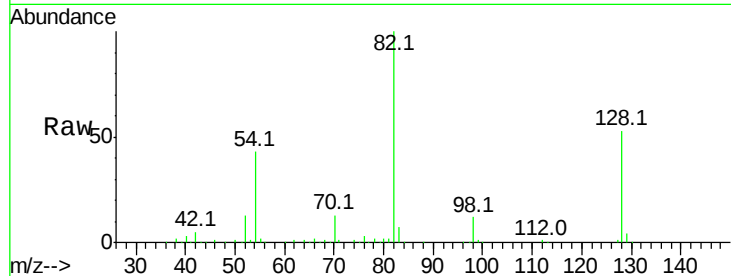
Tot Ion: 82 Resp: 524103

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

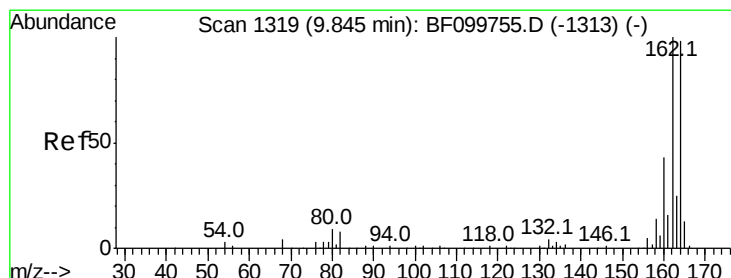
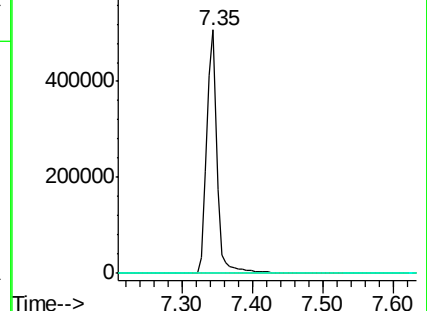
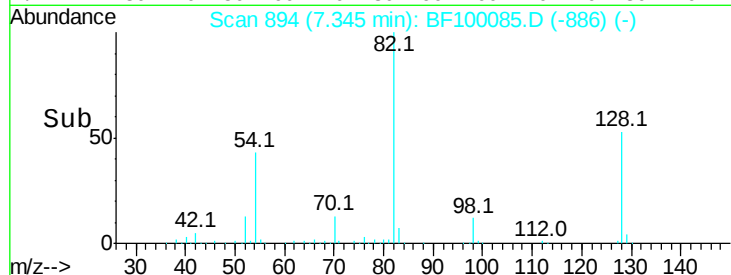
138 0.0 14.9 22.3#



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: 9.81 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

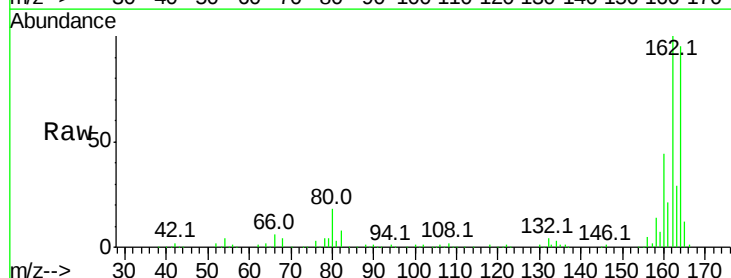
Tgt Ion:164 Resp: 182434

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

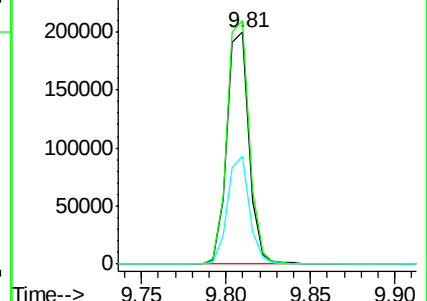
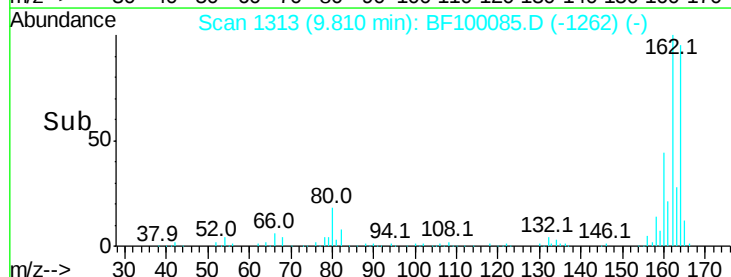
160 46.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

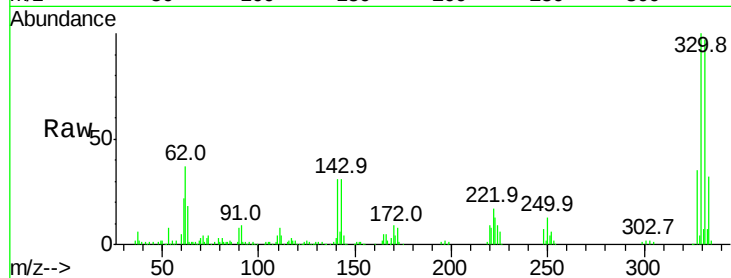




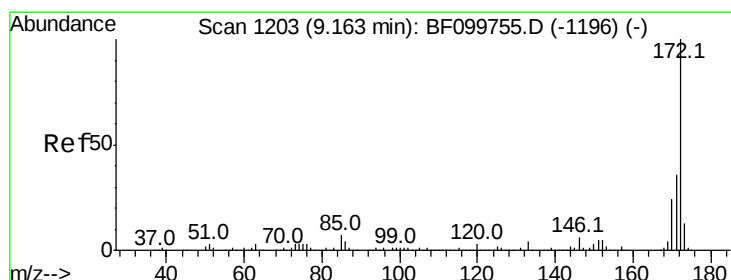
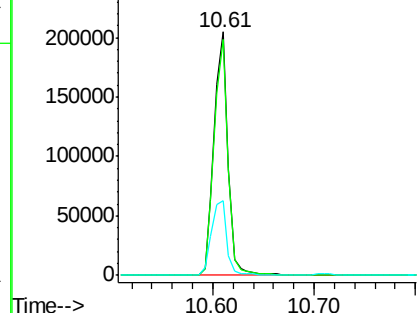
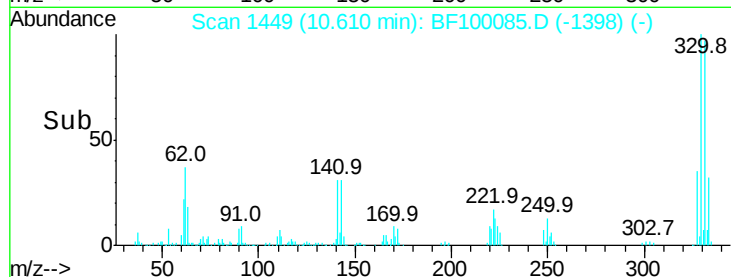
#41
 2,4,6-Tribromophenol
 Concen: 118.961 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF100085.D
 Acq: 2 Nov 2017 15:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.0	29.9	44.9

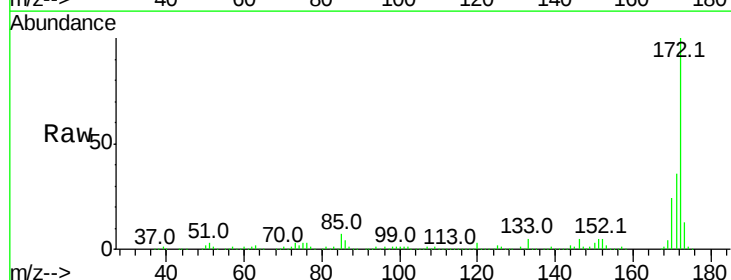


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

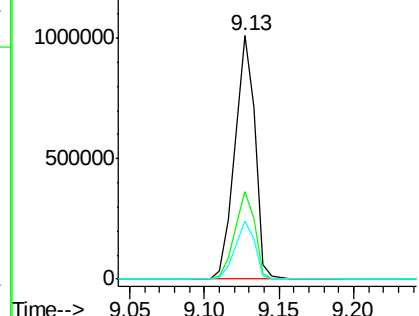
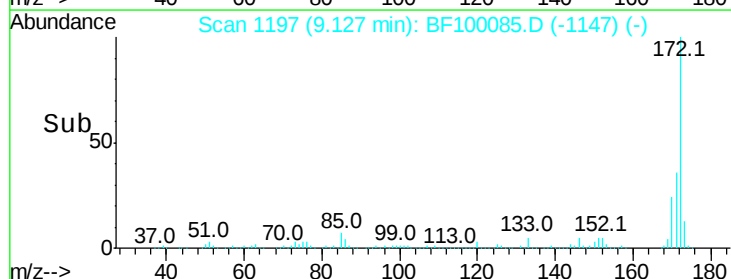


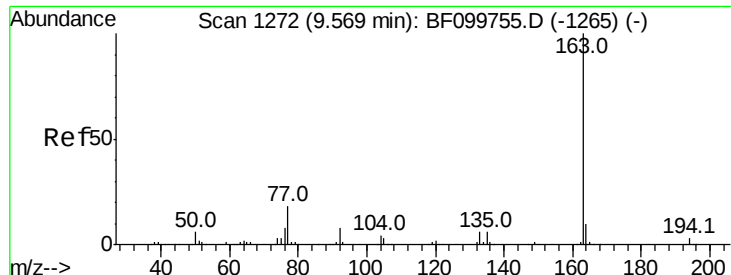
#44
 2-Fluorobiphenyl
 Concen: 82.223 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100085.D
 Acq: 2 Nov 2017 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	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: 12.677 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

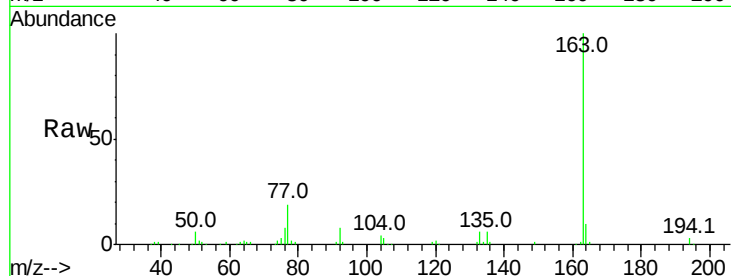
Tot Ion:163 Resp: 183146

Ion Ratio Lower Upper

163 100

194 2.8 2.7 4.1

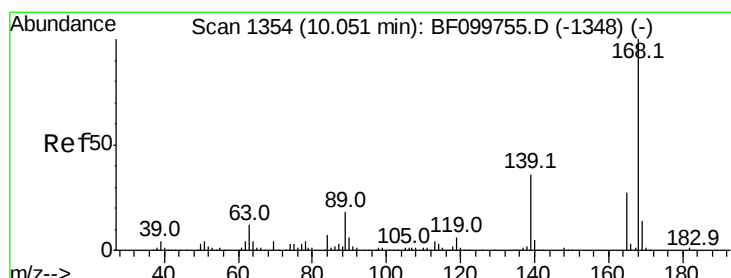
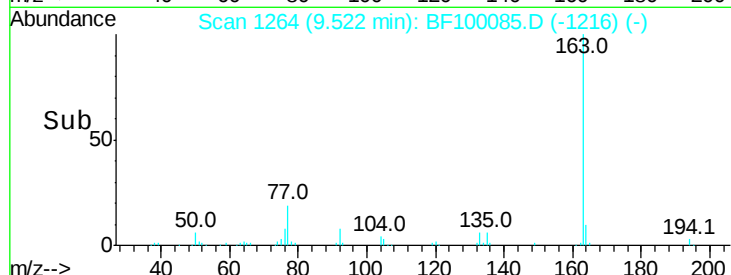
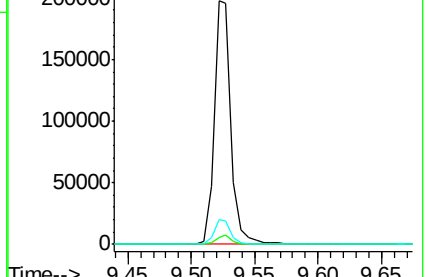
164 10.2 8.2 12.2



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: 6.678 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.22 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Tgt Ion:165 Resp: 24424

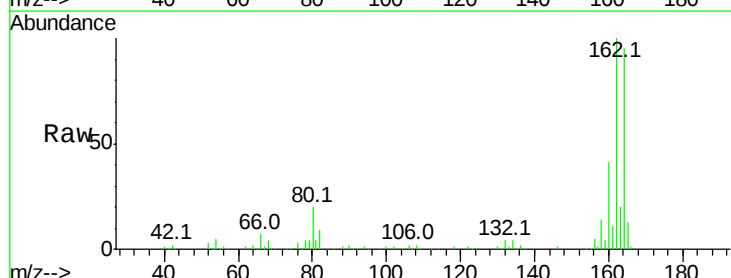
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

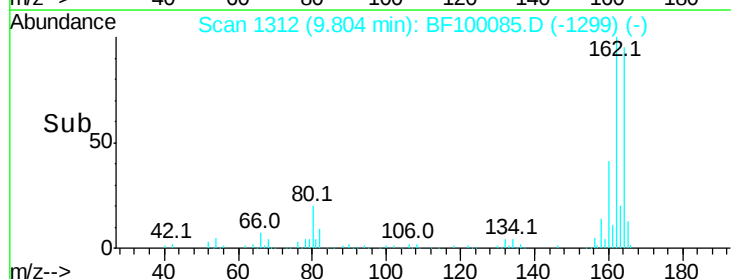
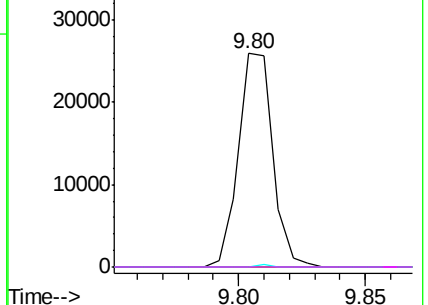


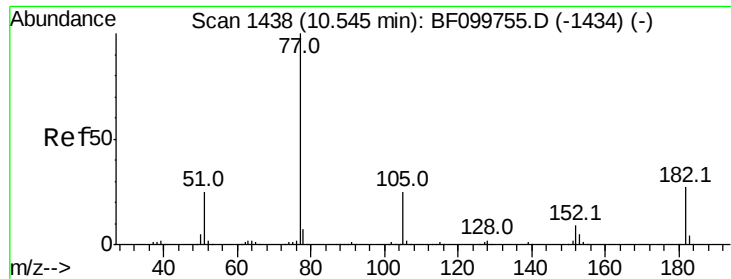
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 4.219 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 49898

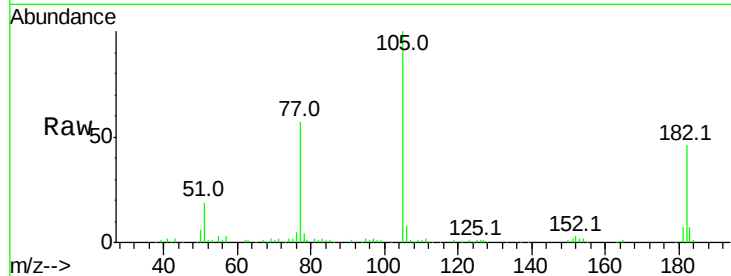
Ion Ratio Lower Upper

77 100

182 81.3 1.7 41.7#

105 176.7 3.0 43.0#

51 32.7 9.9 49.9



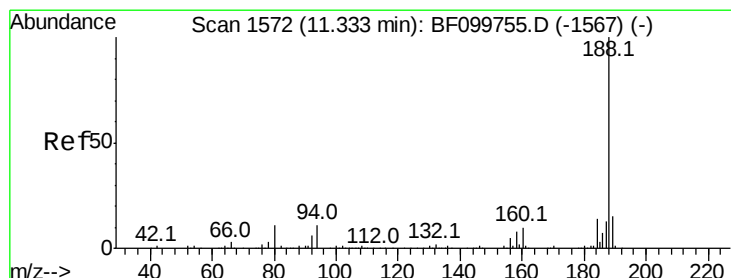
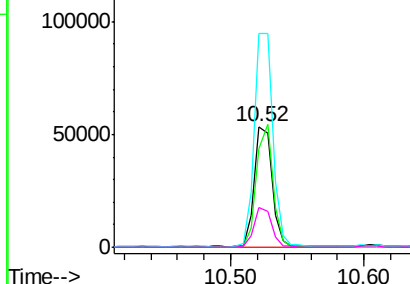
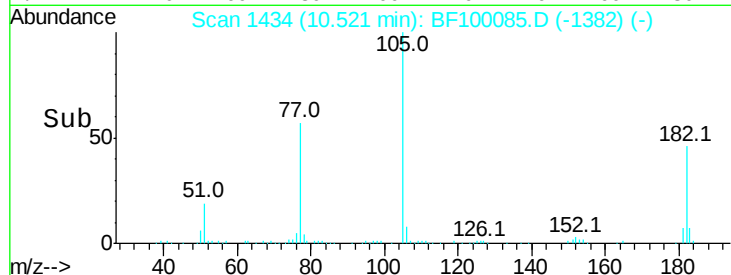
Abundance

Ion 77.00 (76.70 to 77.70): BF1

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): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

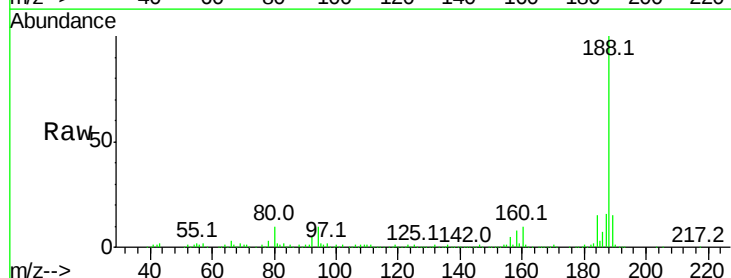
Tgt Ion: 188 Resp: 313234

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

80 10.1 9.2 13.8

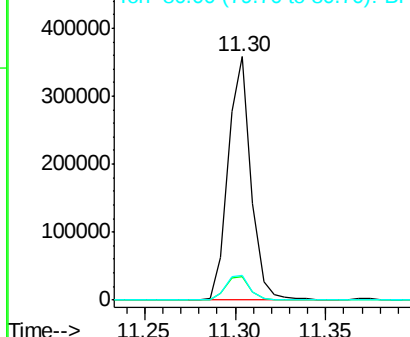
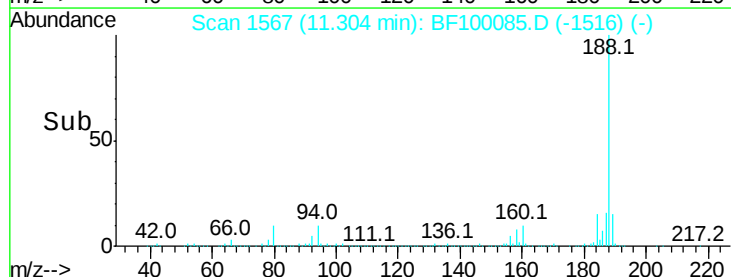


Abundance

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

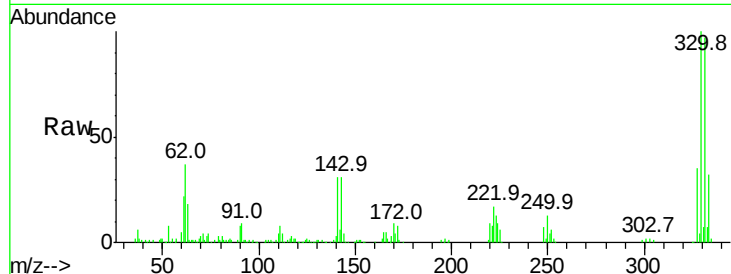




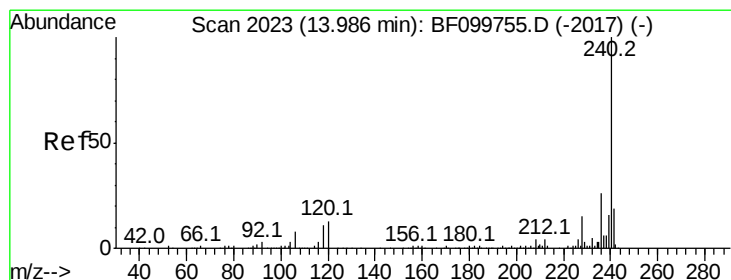
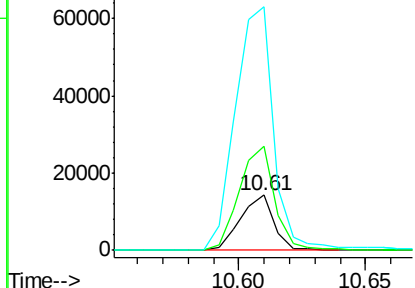
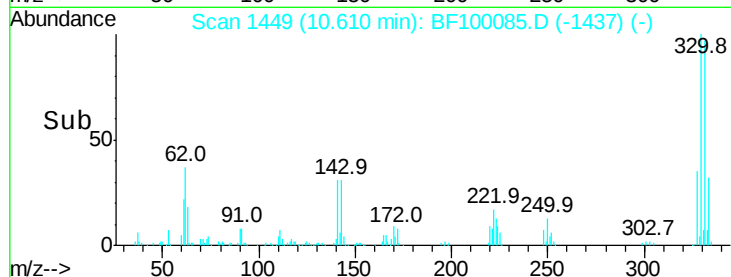
#66
4-Bromophenyl-phenylether
Concen: 3.984 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.23 min
Lab File: BF100085.D
Acq: 2 Nov 2017 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13137
Ion Ratio Lower Upper
248 100
250 189.0 76.9 115.3#
141 443.3 74.4 111.6#

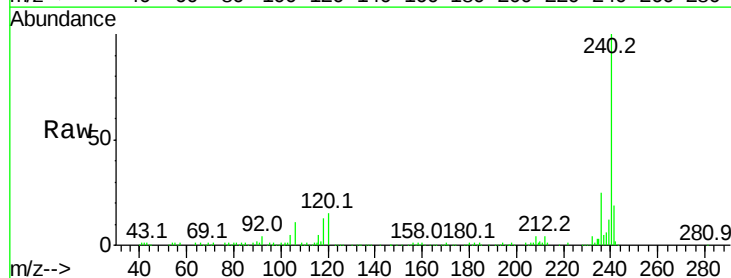


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

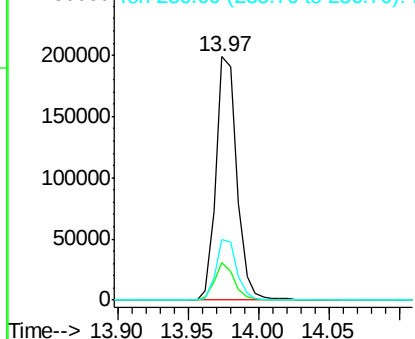
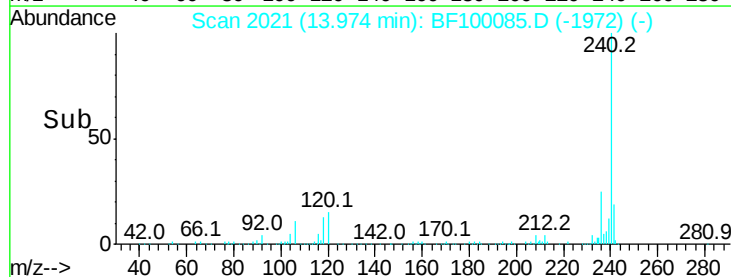


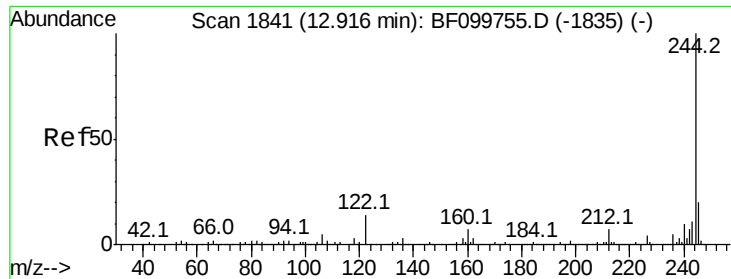
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF100085.D
Acq: 2 Nov 2017 15:26

Tgt Ion:240 Resp: 205411
Ion Ratio Lower Upper
240 100
120 15.2 9.5 14.3#
236 24.7 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: 79.549 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

Instrument :

BNA_F

ClientSampleId :

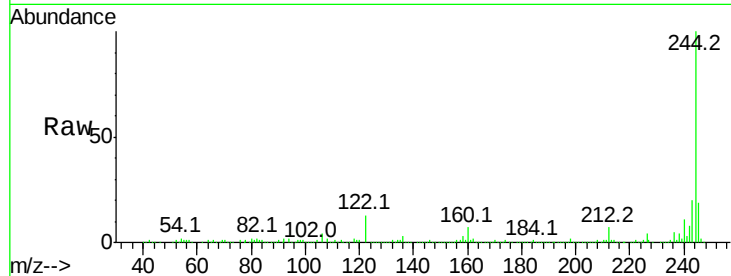
Tot Ion:244 Resp: 747714

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

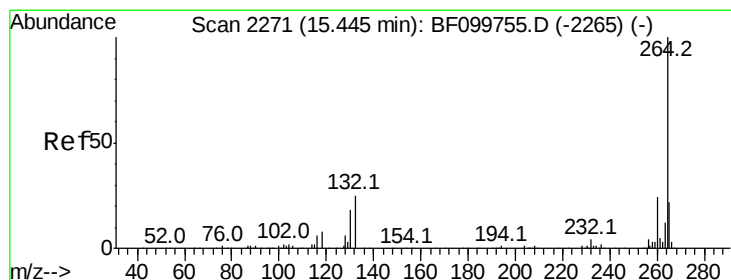
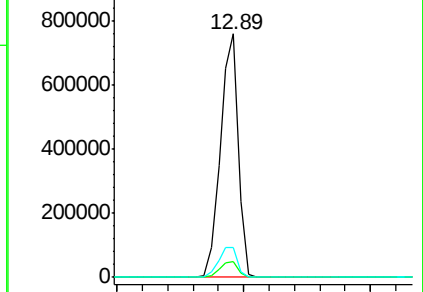
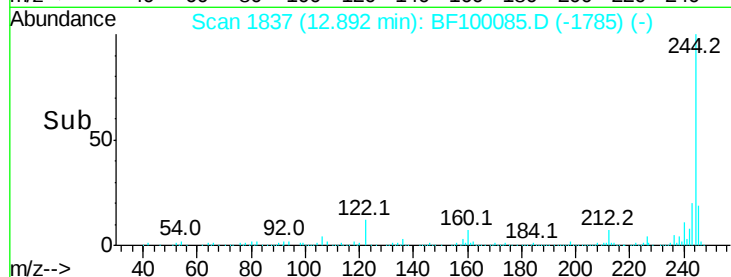
122 12.5 11.0 16.4



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: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF100085.D

Acq: 2 Nov 2017 15:26

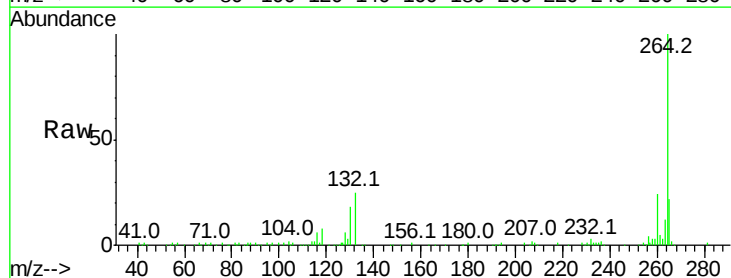
Tgt Ion:264 Resp: 184617

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.7 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

