

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085763.D
 Acq On : 25 Mar 2016 15:56
 Operator : UM/SJ
 Sample : H1858-11
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 25 16:24:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

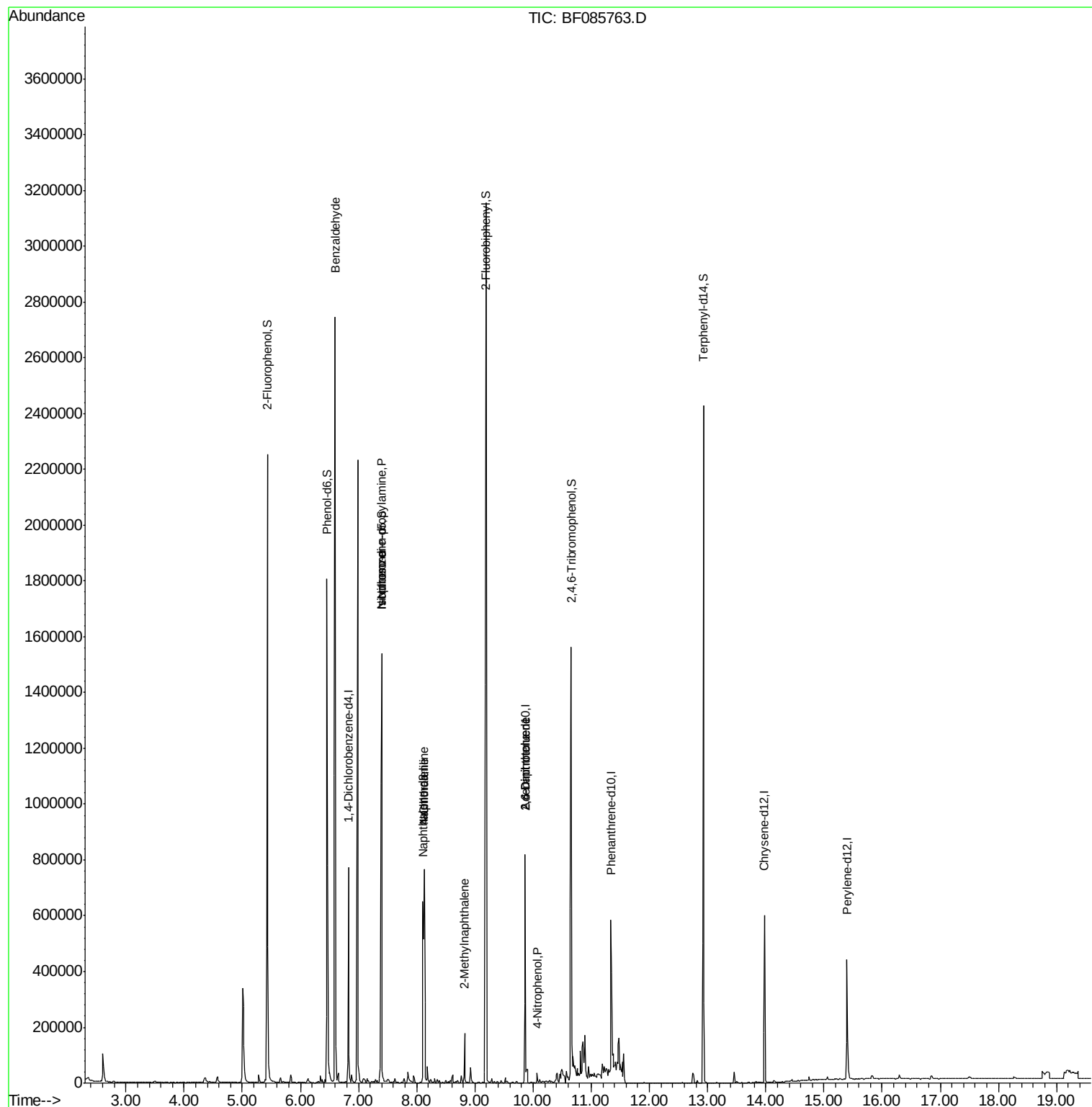
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	109697	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	397524	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	165525	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	250395	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	213244	20.00	ng	0.00
86) Perylene-d12	15.40	264	185503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	704109	106.90	ng	0.02
7) Phenol-d6	6.46	99	797594	95.24	ng	0.00
23) Nitrobenzene-d5	7.40	82	668832	94.75	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	193270	122.89	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1094234	110.45	ng	0.00
78) Terphenyl-d14	12.93	244	721525	69.59	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	18631	3.69	ng	85
19) n-Nitroso-di-n-propylamine	7.40	70	88274	17.60	ng	# 73
25) Isophorone	7.40	82	649586	47.77	ng	# 68
31) Naphthalene	8.13	128	368121	18.38	ng	99
33) 4-Chloroaniline	8.13	127	48502	5.93	ng	# 33
37) 2-Methylnaphthalene	8.82	142	47470	2.32	ng	98
50) 2,6-Dinitrotoluene	9.86	165	21257	7.86	ng	# 20
55) 4-Nitrophenol	10.07	139	5939	2.95	ng	# 10
56) 2,4-Dinitrotoluene	9.86	165	21257	6.19	ng	# 38

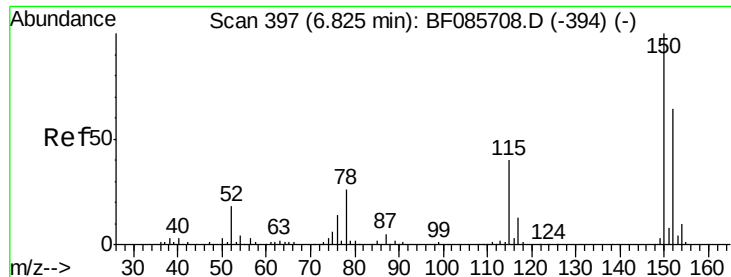
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

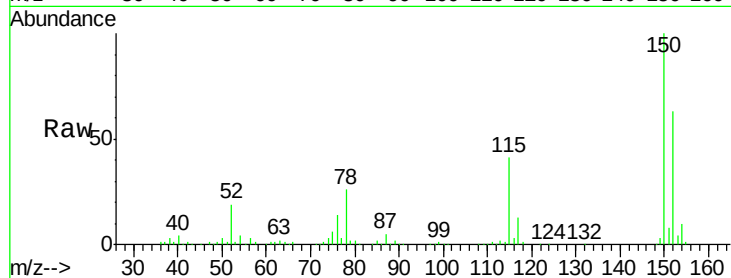
Tot Ion:152 Resp: 109697

Ion Ratio Lower Upper

152 100

150 158.4 124.2 186.2

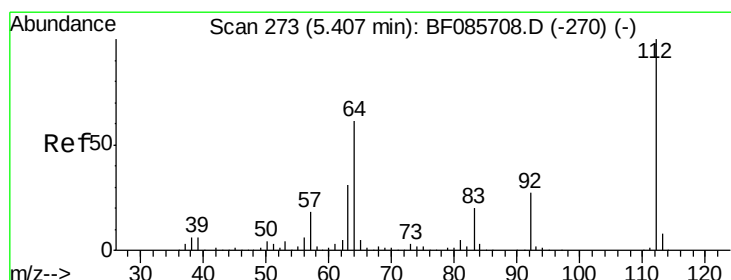
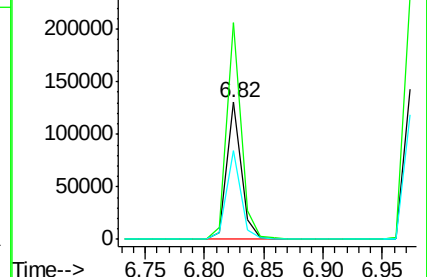
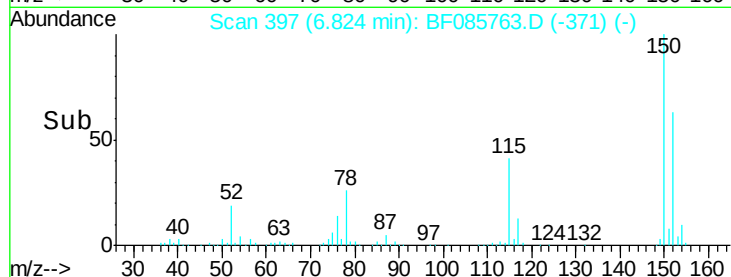
115 64.2 47.0 70.6



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: 106.90 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

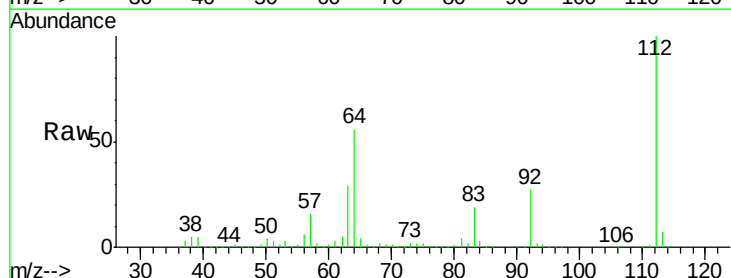
Tgt Ion:112 Resp: 704109

Ion Ratio Lower Upper

112 100

64 56.3 39.9 59.9

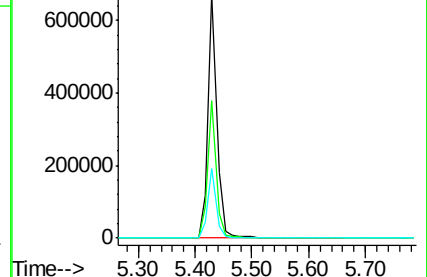
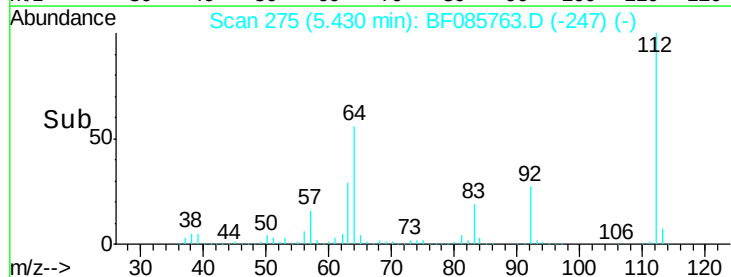
63 28.5 20.2 30.2

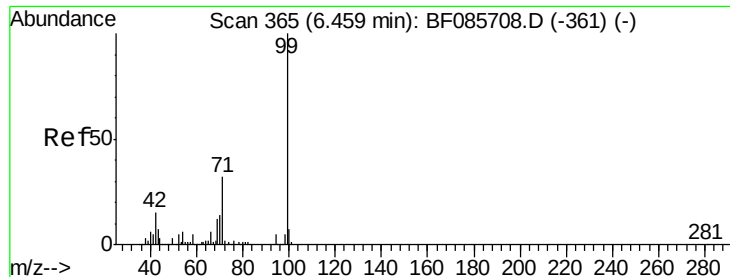


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.24 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

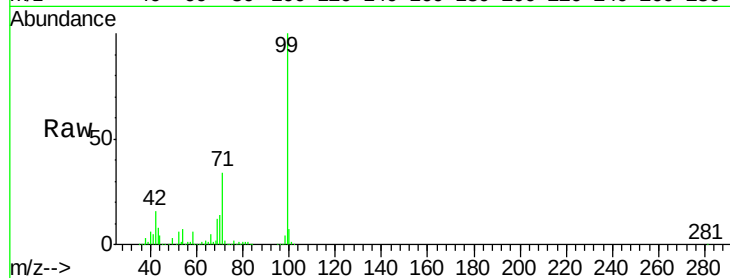
Tot Ion: 99 Resp: 797594

Ion Ratio Lower Upper

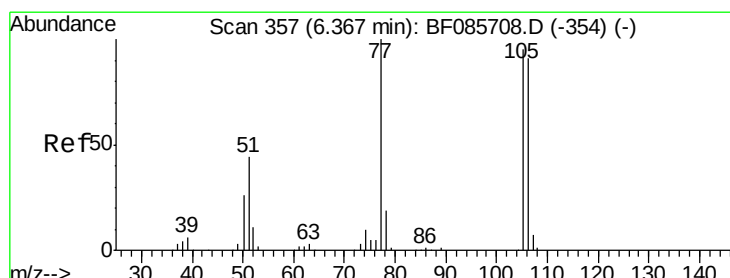
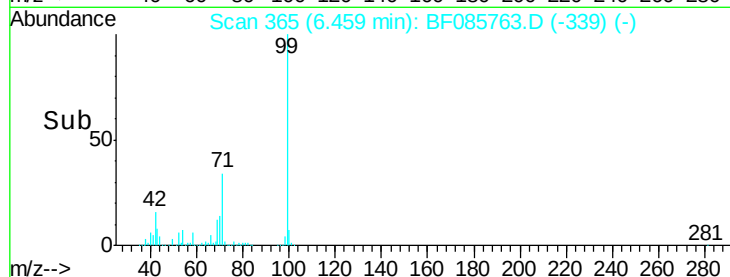
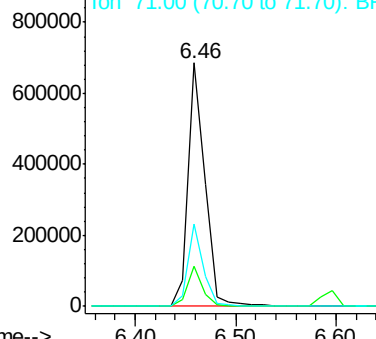
99 100

42 16.2 11.1 16.7

71 33.6 24.9 37.3



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: 3.69 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

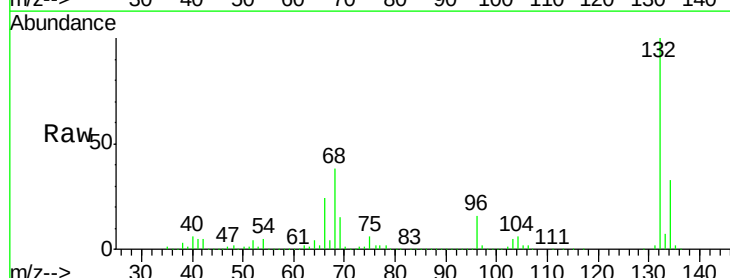
Tgt Ion: 77 Resp: 18631

Ion Ratio Lower Upper

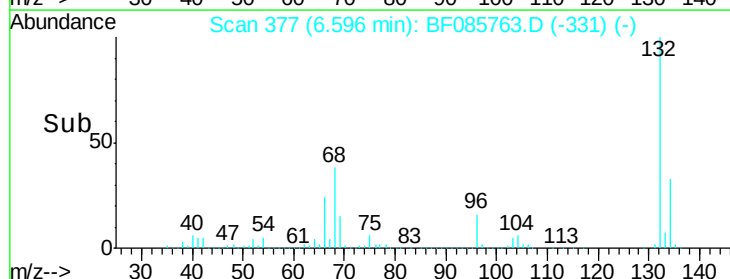
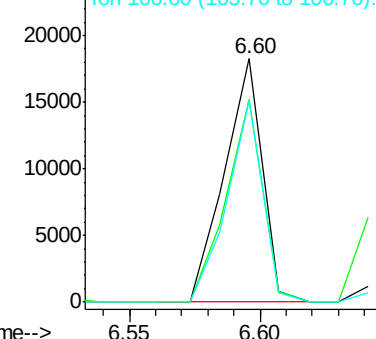
77 100

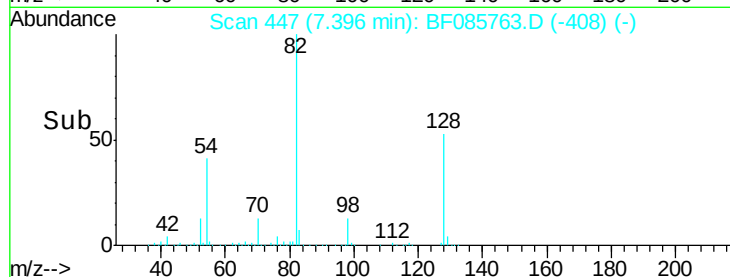
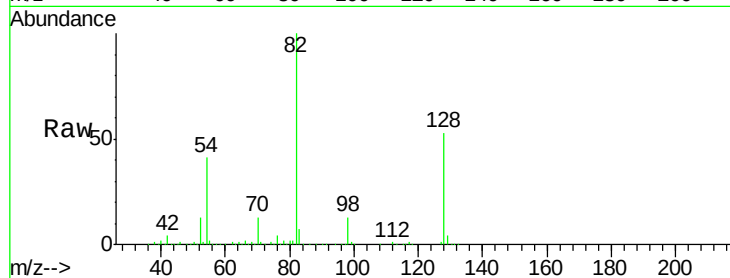
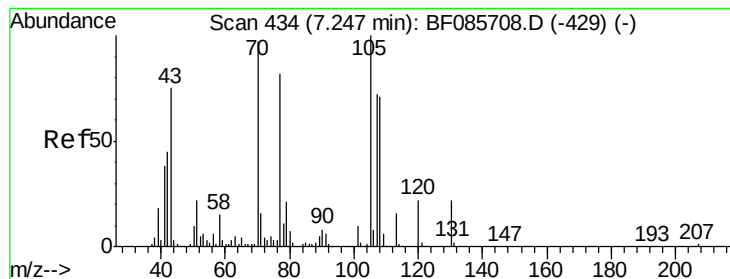
105 83.5 80.1 120.1

106 82.7 75.0 115.0



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





#19

n-Nitroso-di-n-propylamine

Concen: 17.60 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 88274

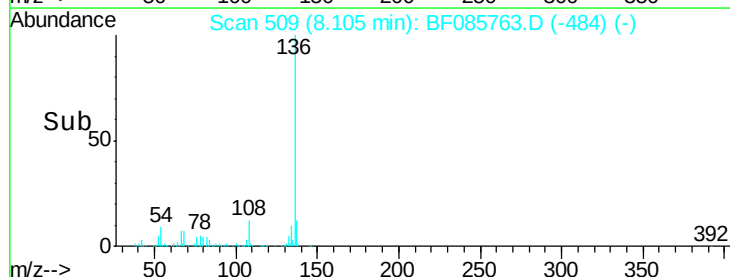
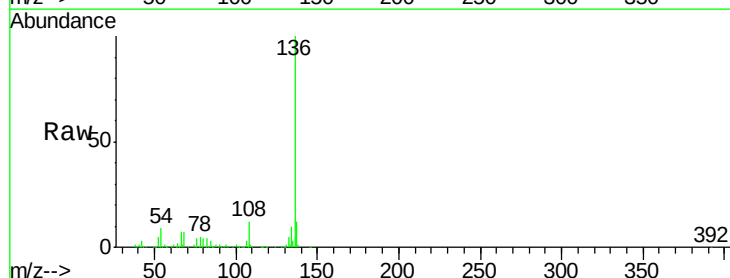
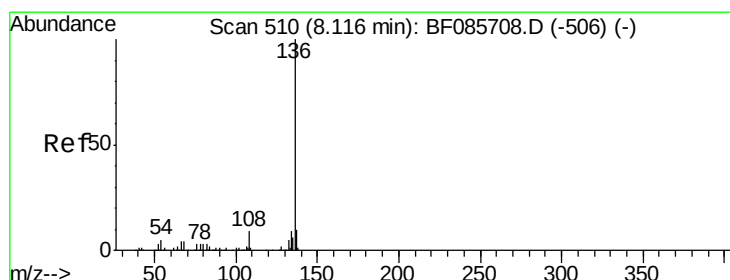
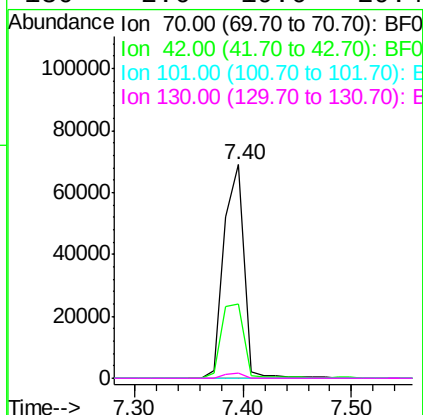
Ion Ratio Lower Upper

70 100

42 34.9 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Tgt Ion: 136 Resp: 397524

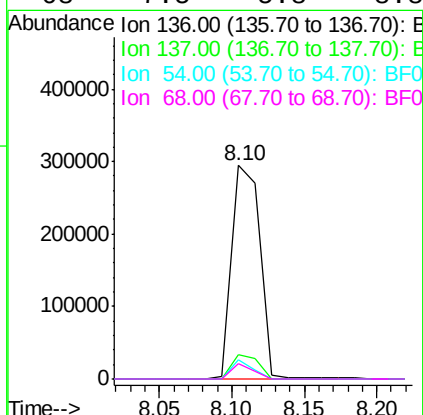
Ion Ratio Lower Upper

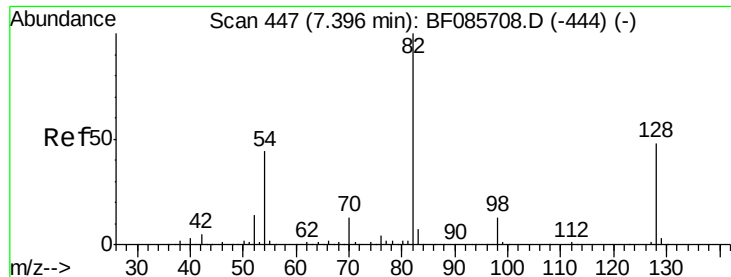
136 100

137 11.5 9.1 13.7

54 9.2 7.4 11.0

68 7.5 5.8 8.8

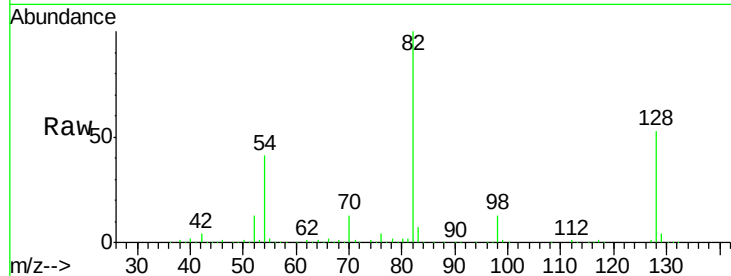




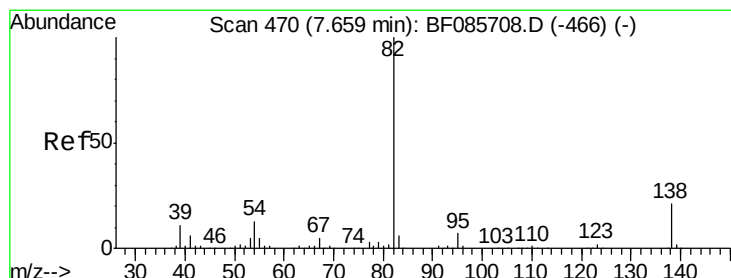
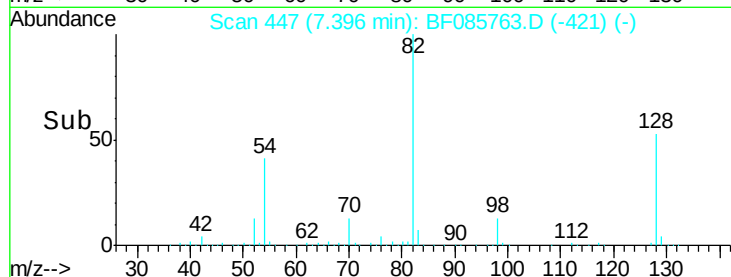
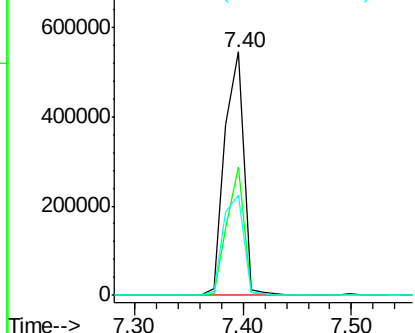
#23
 Nitrobenzene-d5
 Concen: 94.75 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 668832
 Ion Ratio Lower Upper
 82 100
 128 52.9 41.8 62.8
 54 41.0 33.4 50.0

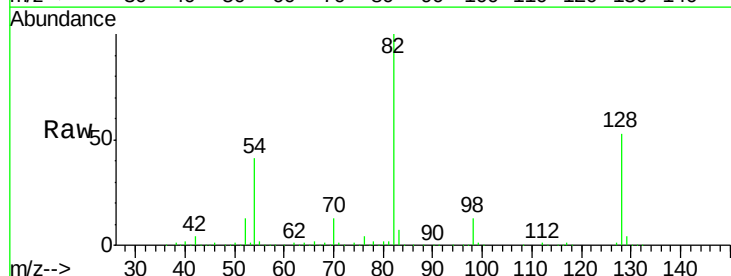


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

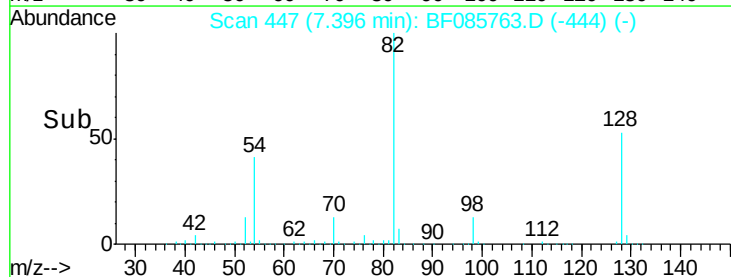
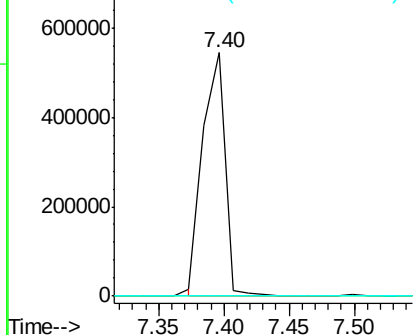


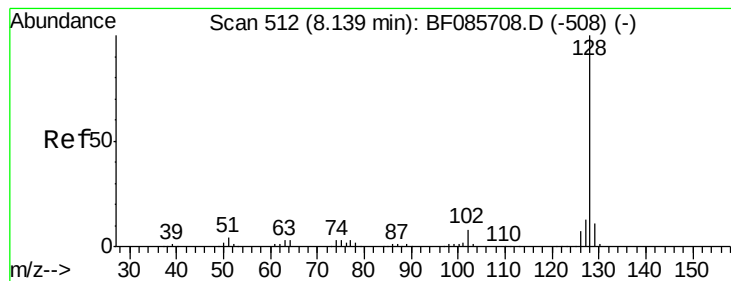
#25
 Isophorone
 Concen: 47.77 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.26 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Tgt Ion: 82 Resp: 649586
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#



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): BF0





#31

Naphthalene

Concen: 18.38 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

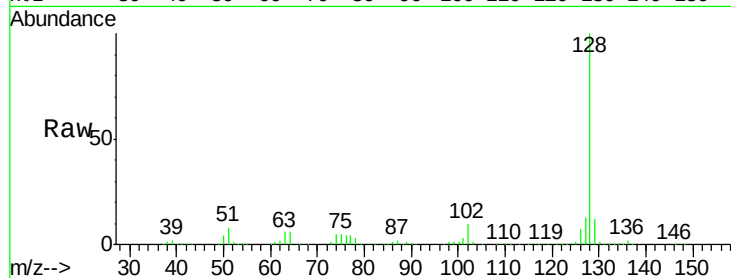
Tot Ion:128 Resp: 368121

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

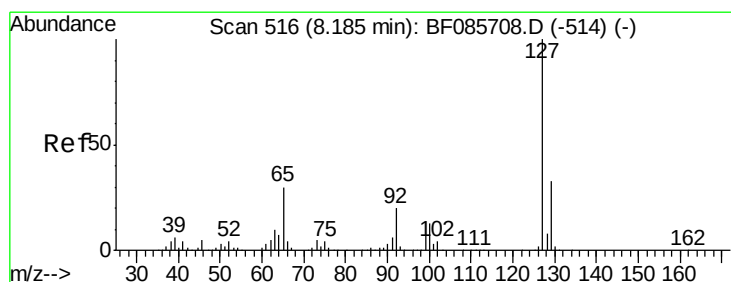
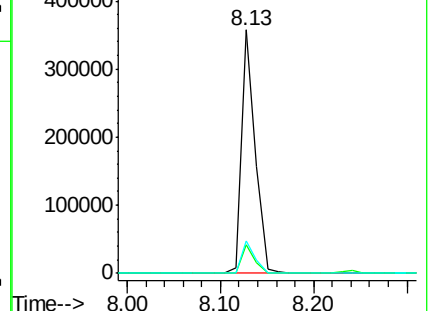
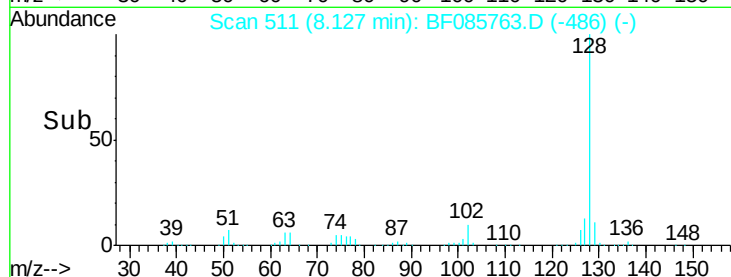
127 13.5 11.0 16.6



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



#33

4-Chloroaniline

Concen: 5.93 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.06 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Tgt Ion:127 Resp: 48502

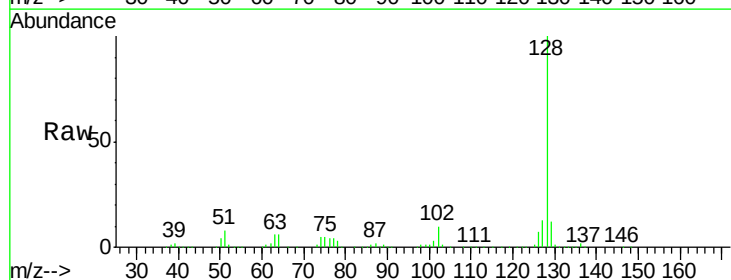
Ion Ratio Lower Upper

127 100

129 85.3 26.1 39.1#

65 0.0 19.5 29.3#

92 0.0 14.6 22.0#

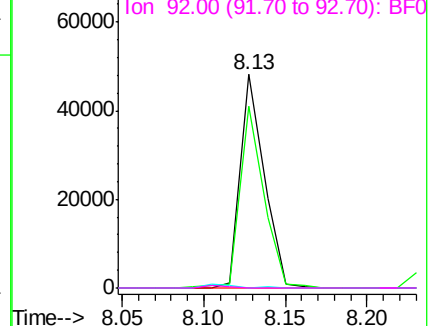
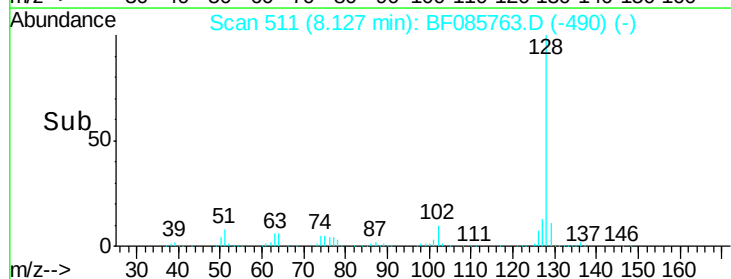


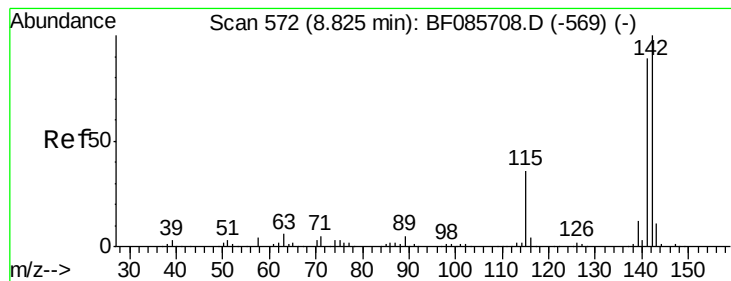
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

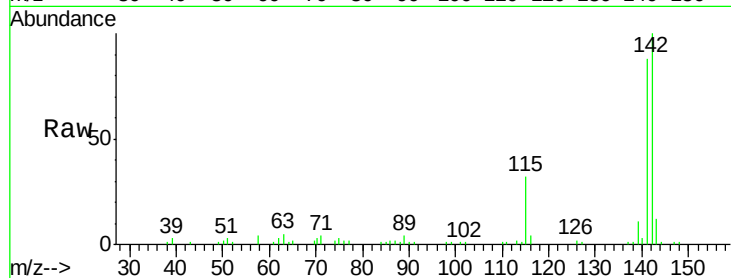




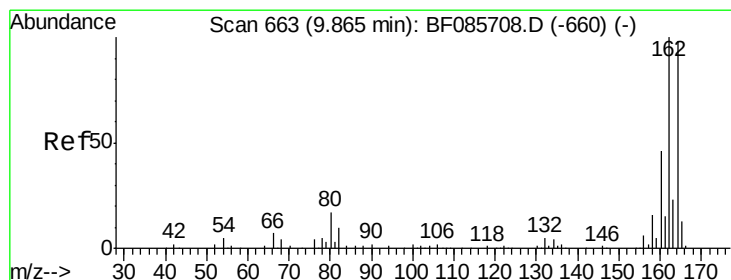
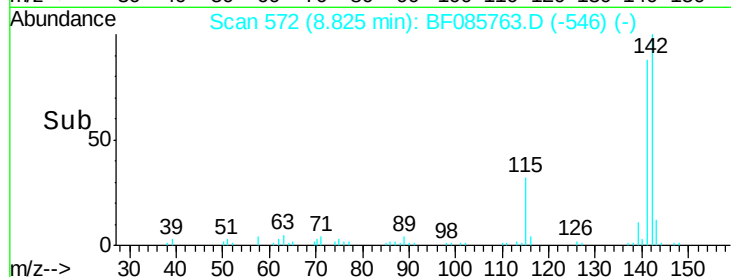
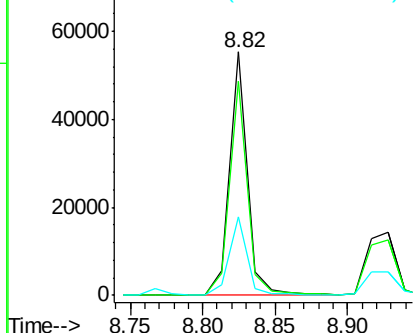
#37
 2-Methylnaphthalene
 Concen: 2.32 ng
 RT: 8.82 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 47470
 Ion Ratio Lower Upper
 142 100
 141 88.1 71.6 107.4
 115 32.4 26.8 40.2

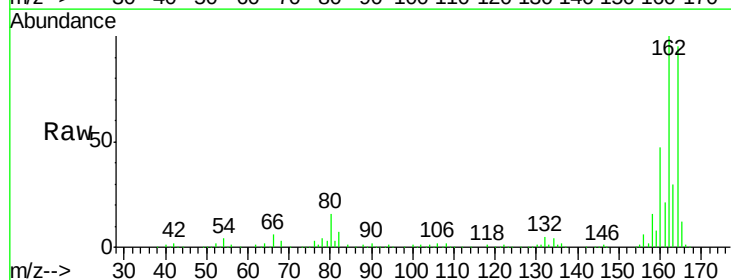


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

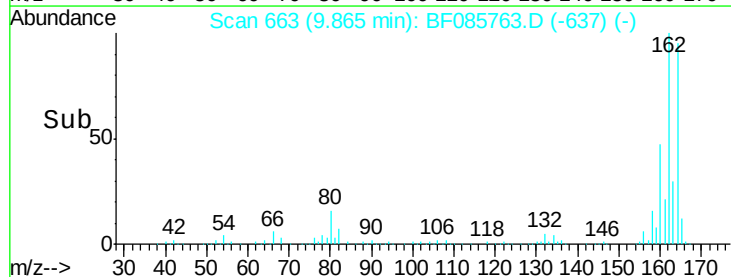
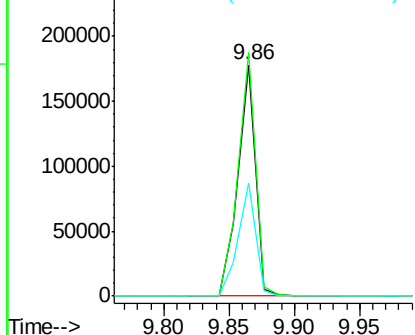


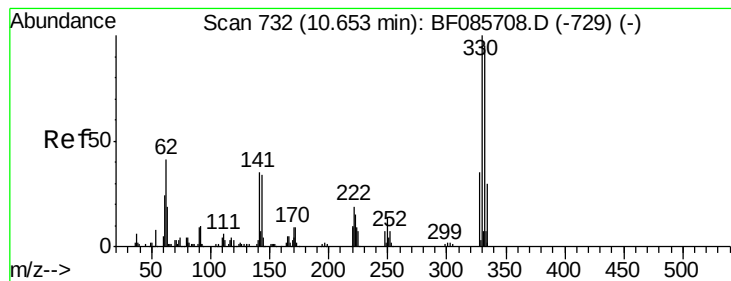
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Tgt Ion:164 Resp: 165525
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.1 123.1
 160 49.0 37.4 56.2



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: 122.89 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

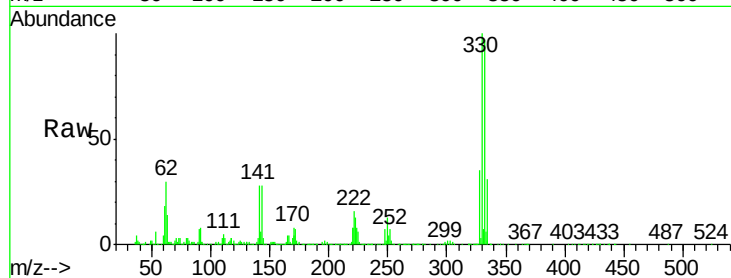
Tot Ion:330 Resp: 193270

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

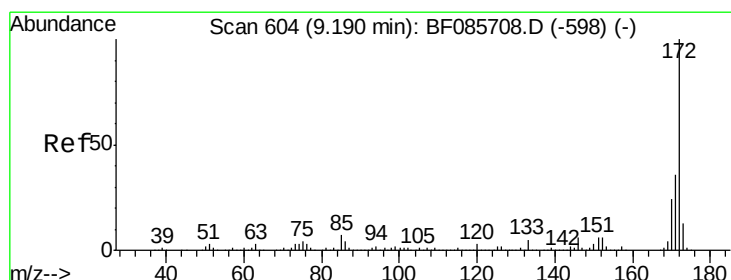
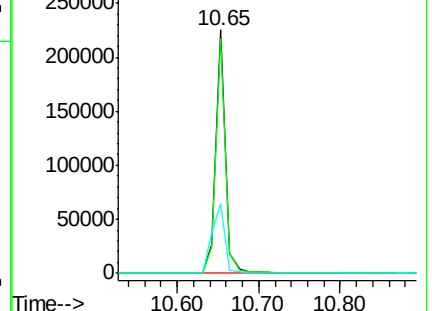
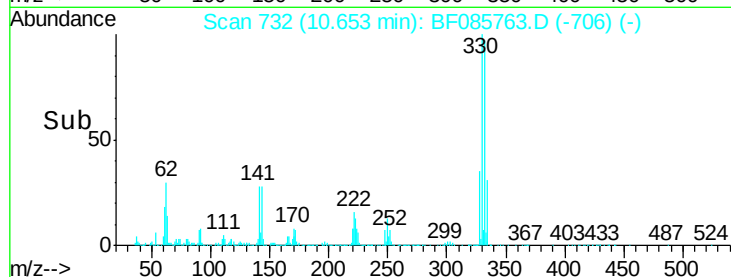
141 39.1 31.5 47.3



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: 110.45 ng

RT: 9.19 min Scan# 604

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

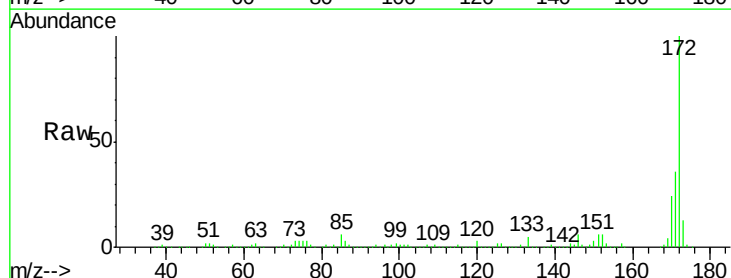
Tgt Ion:172 Resp: 1094234

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.2

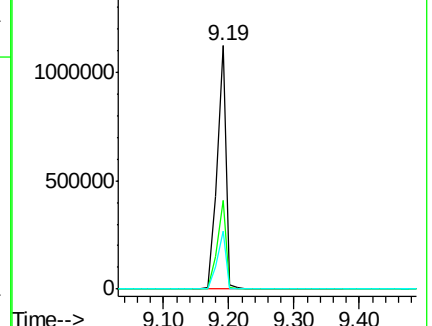
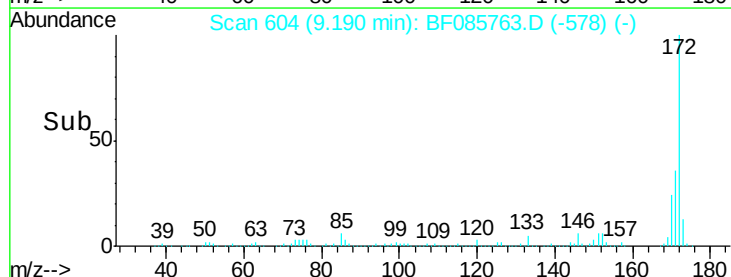
170 24.1 19.8 29.6

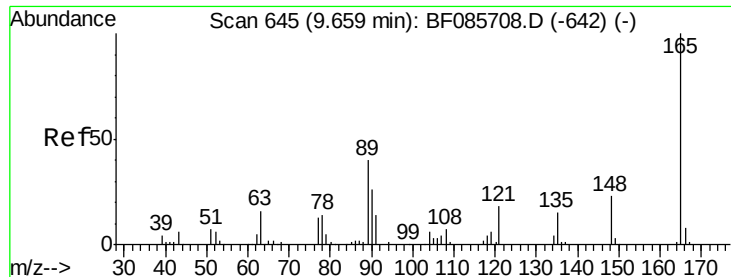


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

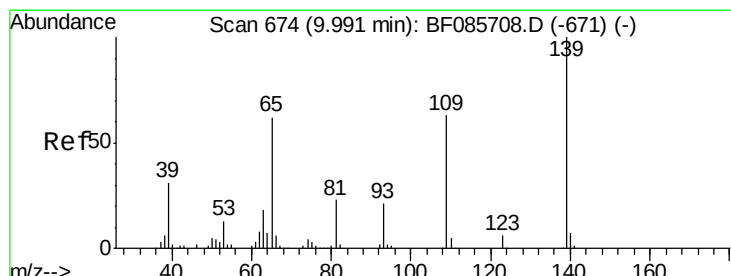
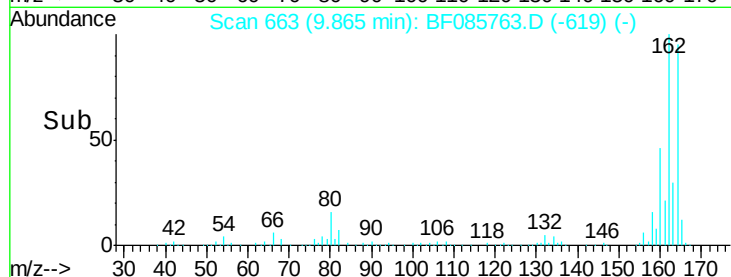
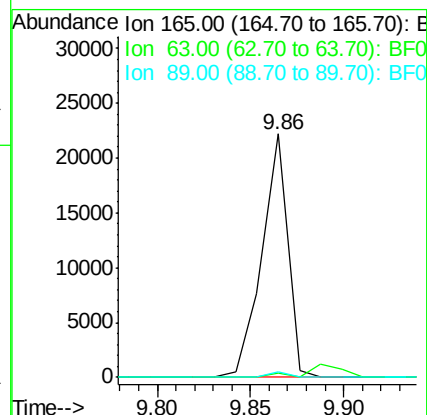
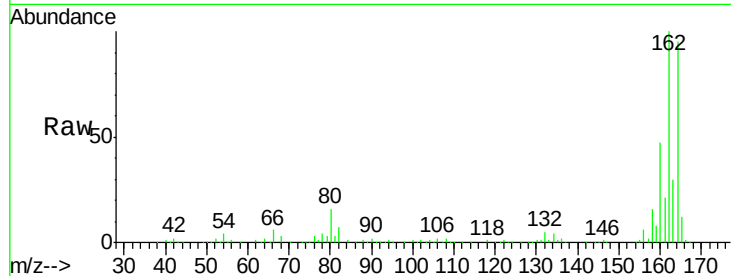




#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.21 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

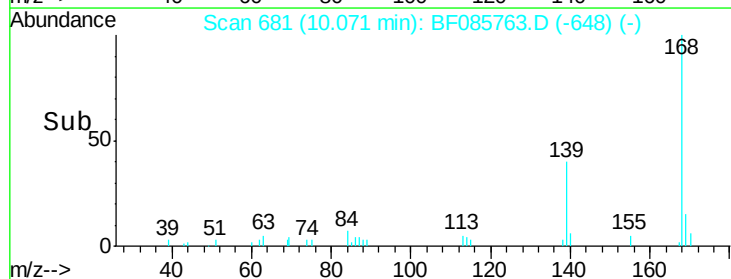
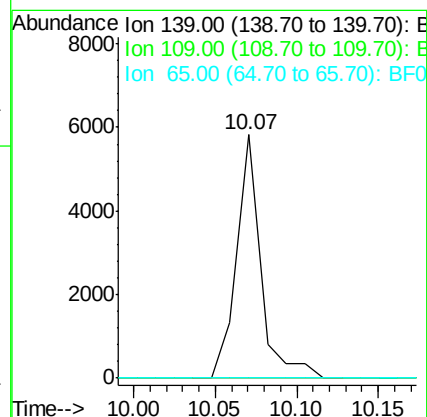
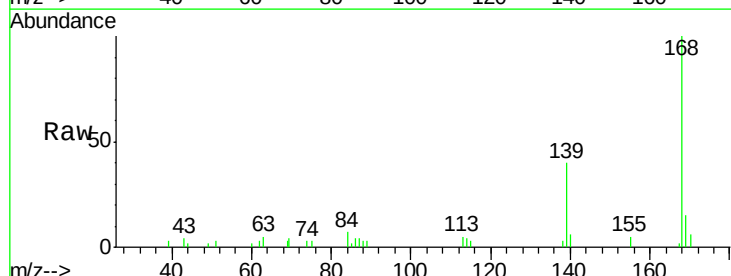
Instrument :
 BNA_F
 ClientSampleId :

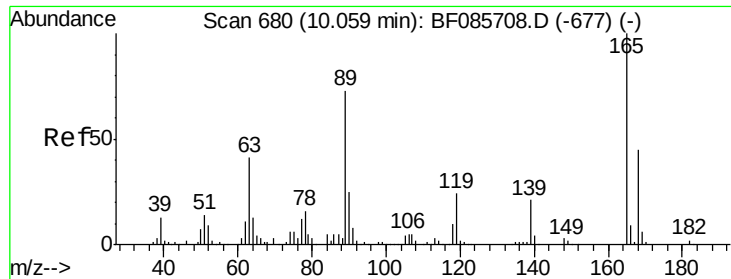
Tot Ion:165 Resp: 21257
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 2.3 53.7 80.5#



#55
 4-Nitrophenol
 Concen: 2.95 ng
 RT: 10.07 min Scan# 681
 Delta R.T. 0.08 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Tgt Ion:139 Resp: 5939
 Ion Ratio Lower Upper
 139 100
 109 0.0 49.2 89.2#
 65 0.0 66.9 106.9#

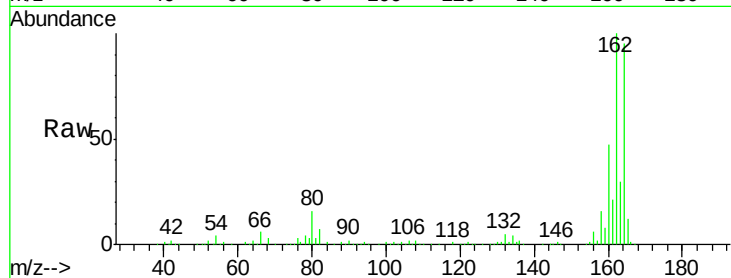




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.19 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	24.9	37.3#
89	2.3	41.0	61.6#
182	0.0	2.1	3.1#

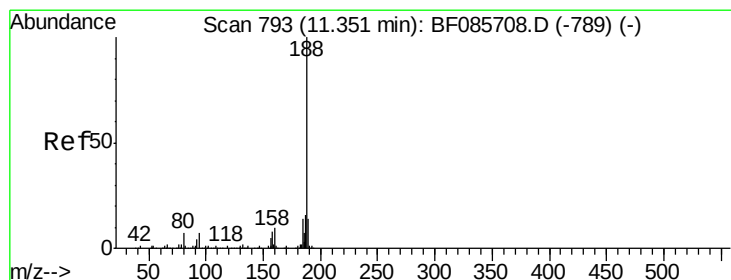
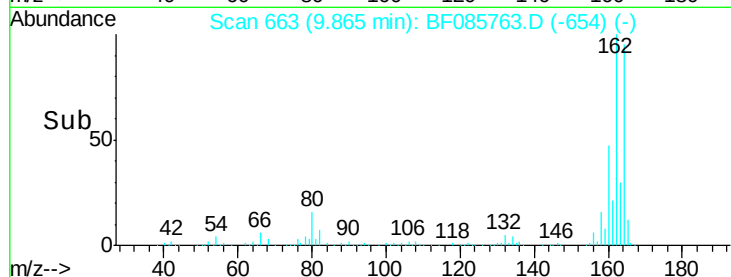
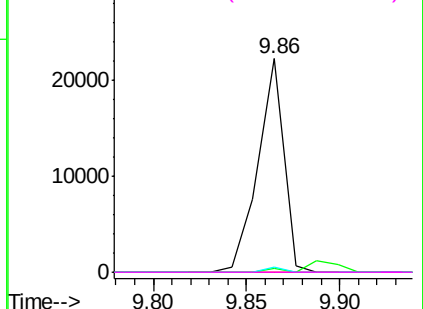


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

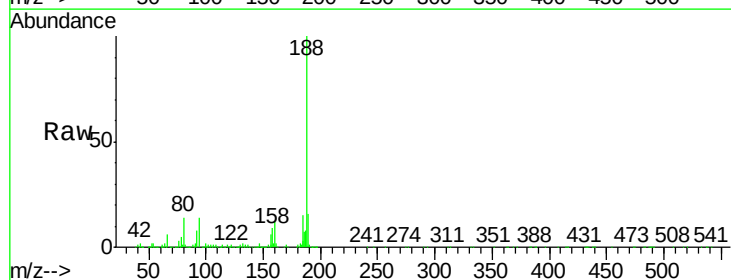
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

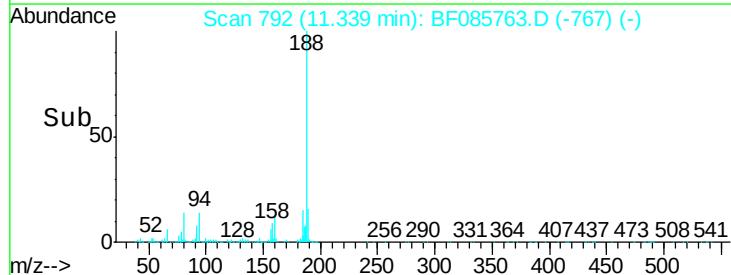
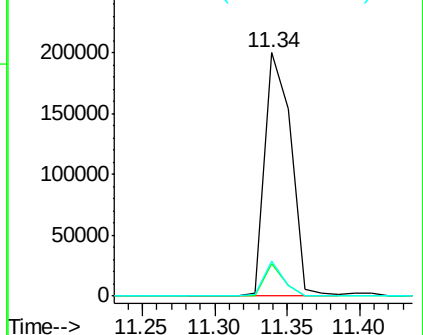
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.5	5.4	8.0#
80	14.4	5.5	8.3#

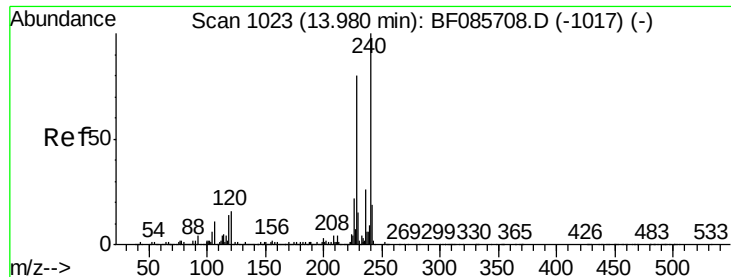


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

Instrument :

BNA_F

ClientSampleId :

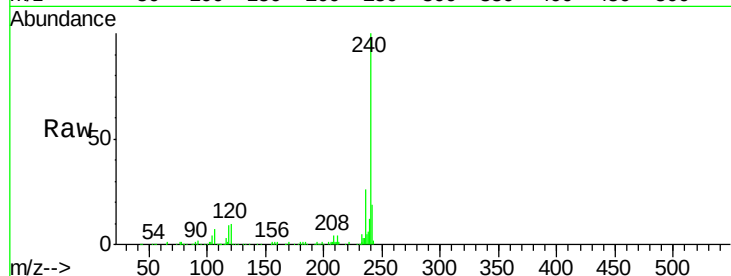
Tot Ion:240 Resp: 213244

Ion Ratio Lower Upper

240 100

120 10.0 13.8 20.8#

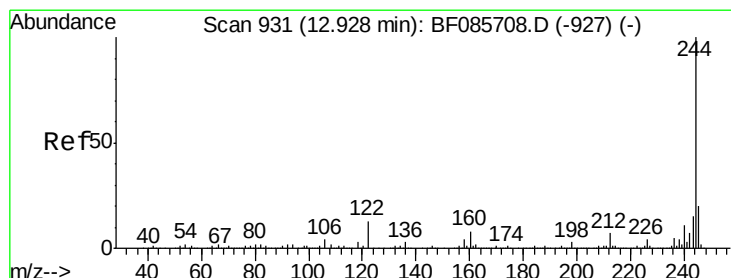
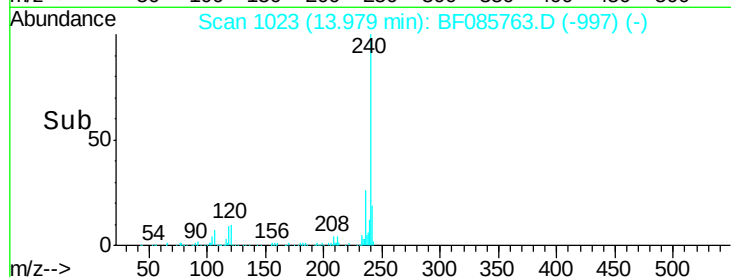
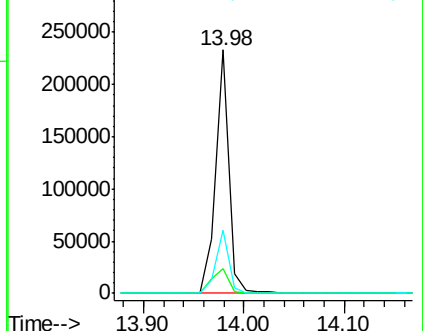
236 26.2 20.6 30.8



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: 69.59 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085763.D

Acq: 25 Mar 2016 15:56

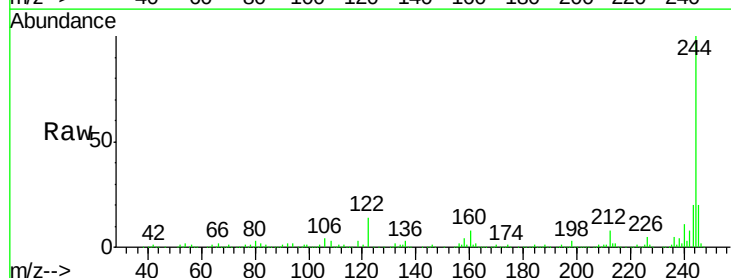
Tgt Ion:244 Resp: 721525

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

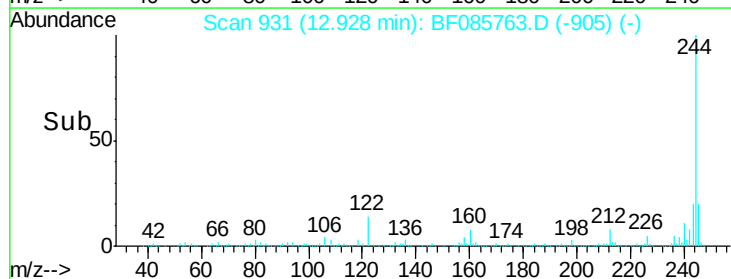
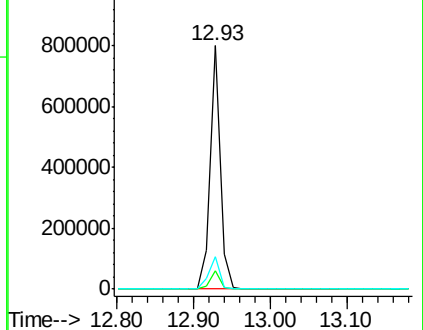
122 13.6 10.2 15.4

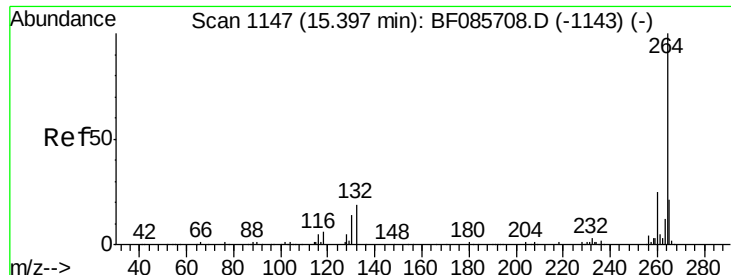


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

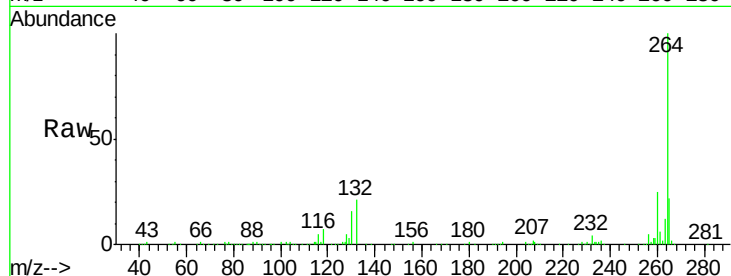




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085763.D
 Acq: 25 Mar 2016 15:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.8	17.2	25.8



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

