

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085596.D
 Acq On : 20 Mar 2016 4:20
 Operator : UM/SJ
 Sample : H1790-05
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Quant Time: Mar 21 00:16:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

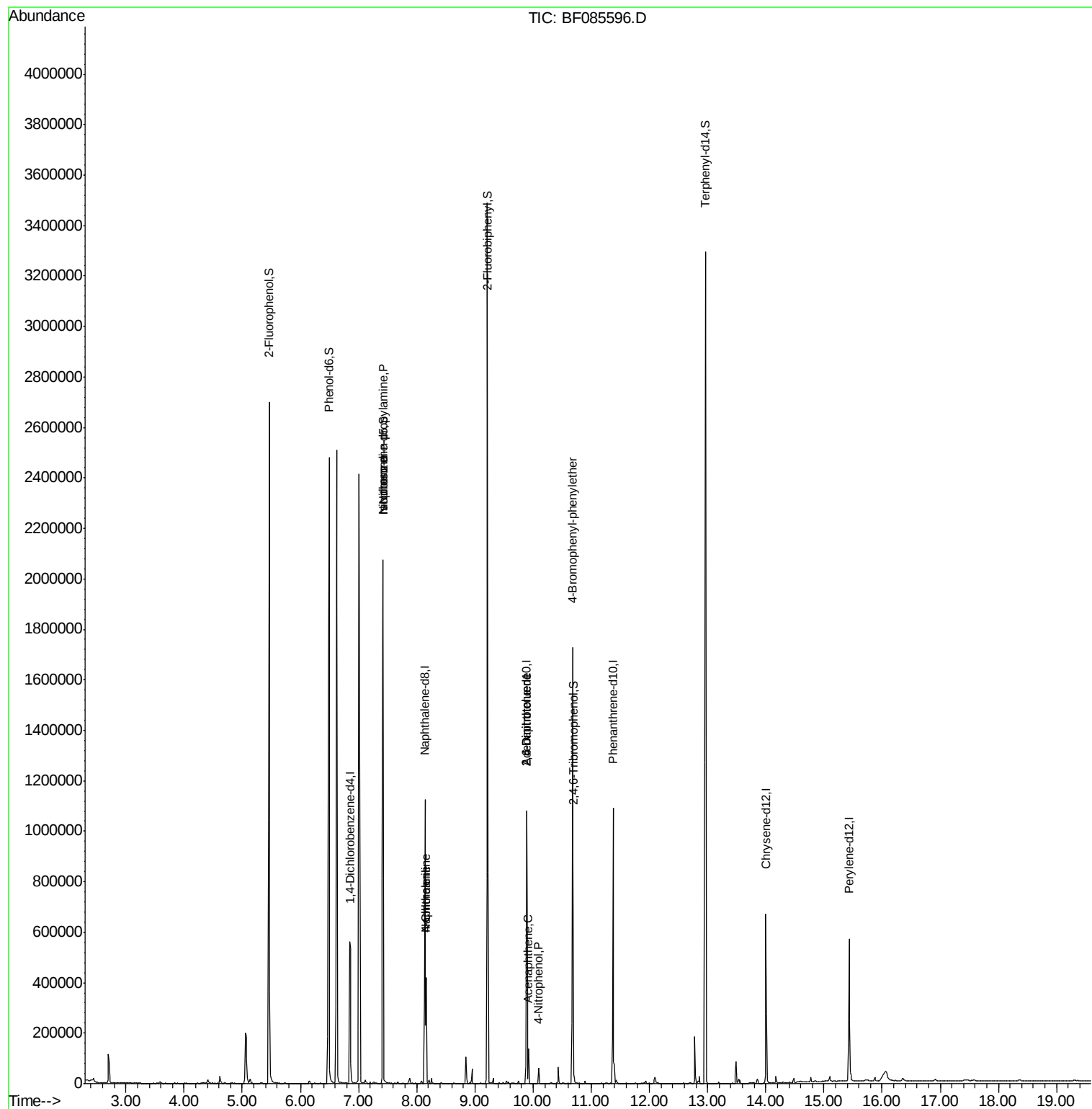
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	127710	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	520679	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	217285	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	371592	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	247705	20.00	ng	-0.01
86) Perylene-d12	15.43	264	255761	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	879369	115.66	ng	0.01
7) Phenol-d6	6.49	99	1192647	122.30	ng	0.00
23) Nitrobenzene-d5	7.42	82	758881	84.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	285311	134.05	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1210382	99.14	ng	-0.01
78) Terphenyl-d14	12.96	244	1078617	104.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1500	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.42	70	101593	17.44 ng	#	78
25) Isophorone	7.42	82	554496	30.88 ng	#	68
31) Naphthalene	8.16	128	220841	8.40 ng	#	98
33) 4-Chloroaniline	8.16	127	29858	2.77 ng	#	38
50) 2,6-Dinitrotoluene	9.89	165	28121	8.12 ng	#	19
51) Acenaphthene	9.92	154	28967	2.08 ng	#	98
55) 4-Nitrophenol	10.09	139	9231	2.76 ng	#	10
56) 2,4-Dinitrotoluene	9.89	165	28122	6.21 ng	#	37
66) 4-Bromophenyl-phenylether	10.68	248	17724	4.77 ng	#	1

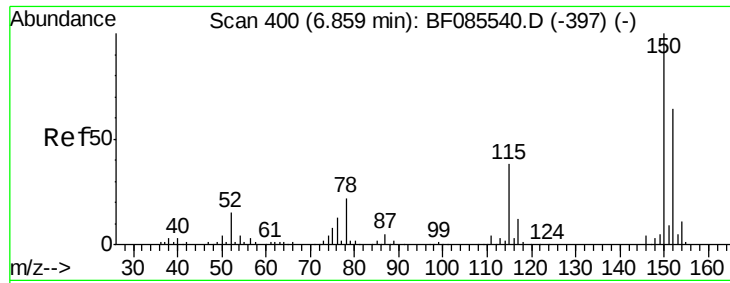
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

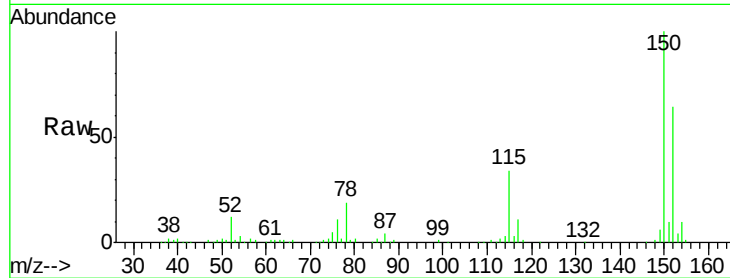
Tgt Ion:152 Resp: 127710

Ion Ratio Lower Upper

152 100

150 156.0 124.2 186.2

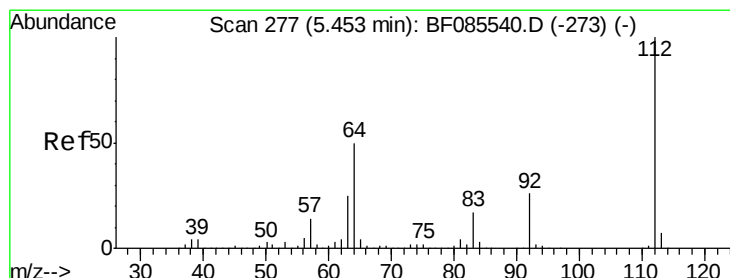
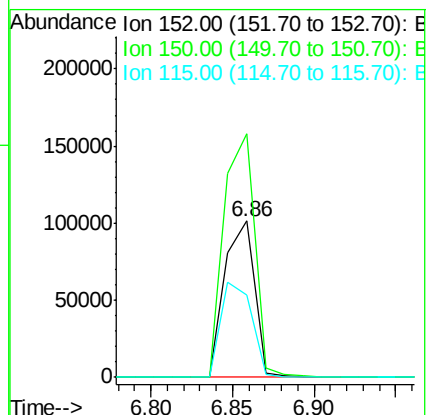
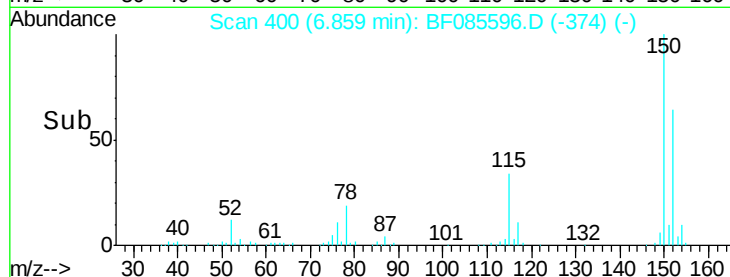
115 53.0 47.0 70.6



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: 115.66 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

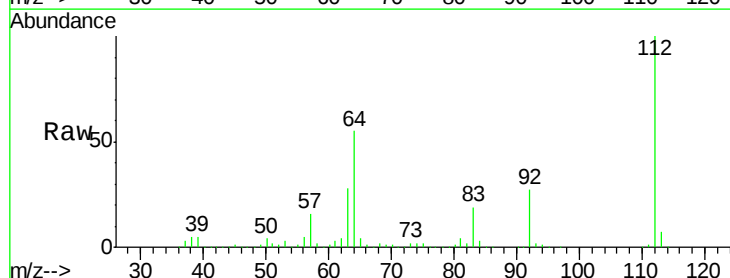
Tgt Ion:112 Resp: 879369

Ion Ratio Lower Upper

112 100

64 55.2 39.9 59.9

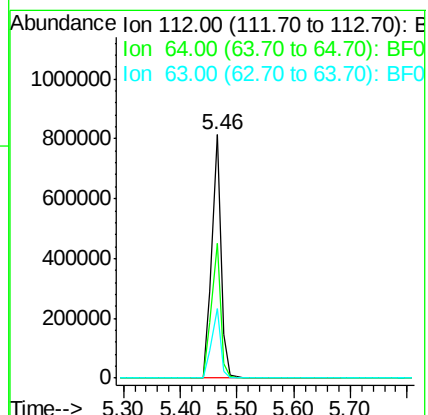
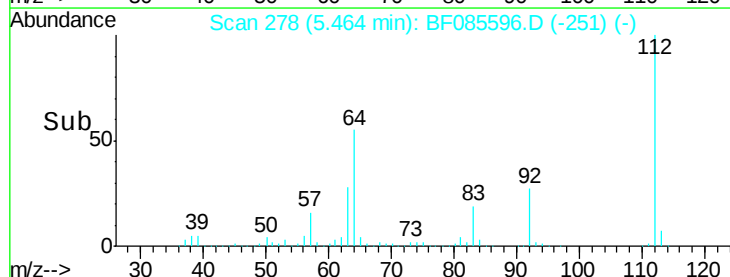
63 28.4 20.2 30.2



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: 122.30 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

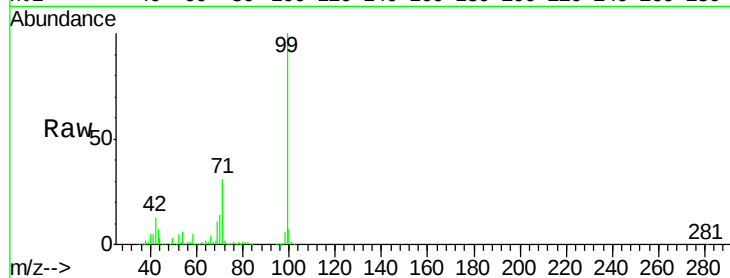
Tgt Ion: 99 Resp: 1192647

Ion Ratio Lower Upper

99 100

42 13.3 11.1 16.7

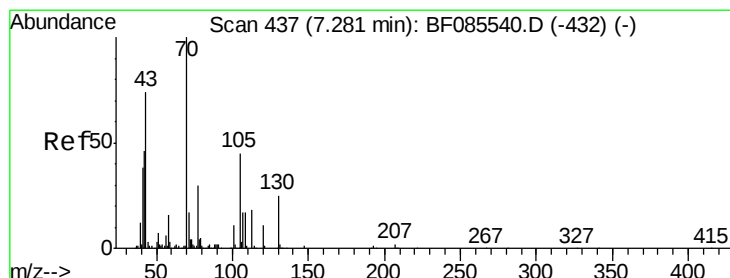
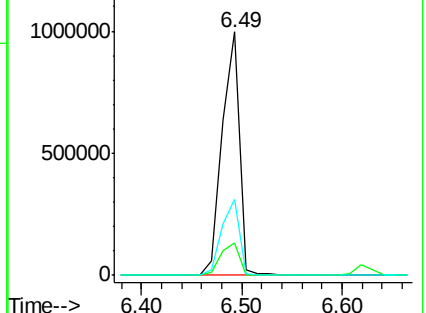
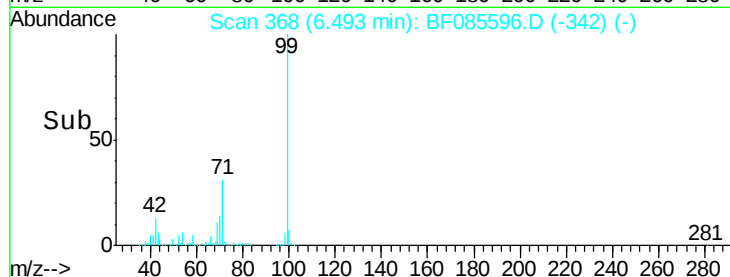
71 31.3 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.44 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Tgt Ion: 70 Resp: 101593

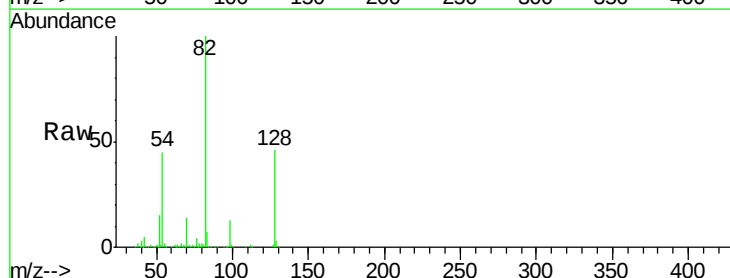
Ion Ratio Lower Upper

70 100

42 40.3 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

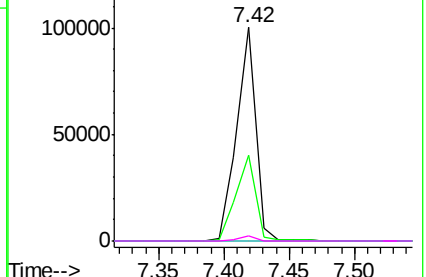
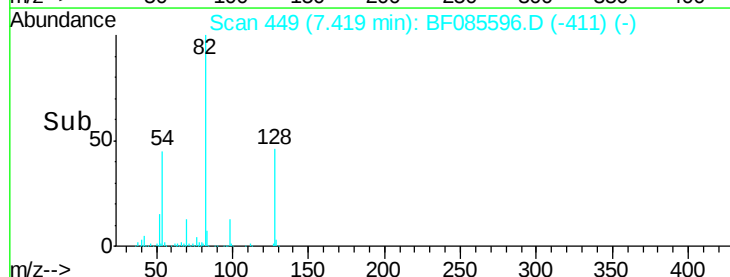


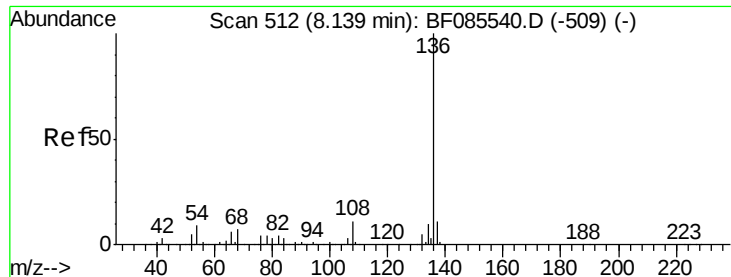
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

Tgt Ion:136 Resp: 520679

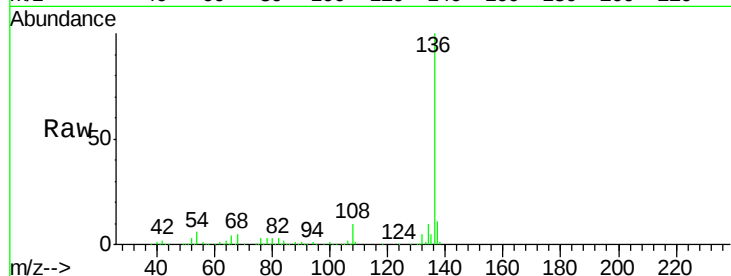
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.0 7.4 11.0#

68 5.2 5.8 8.8#

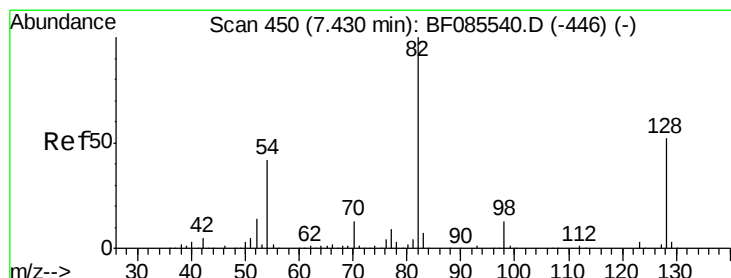
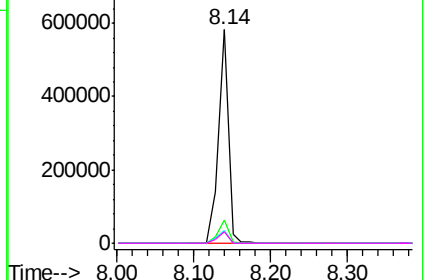
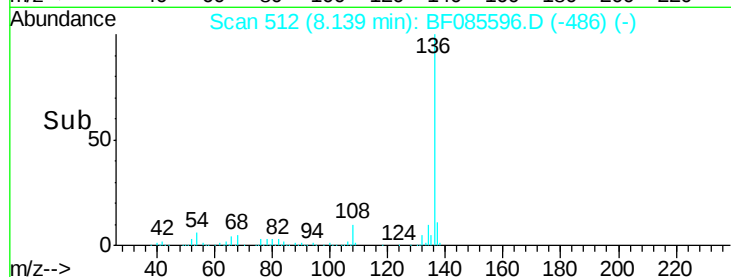


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.60 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

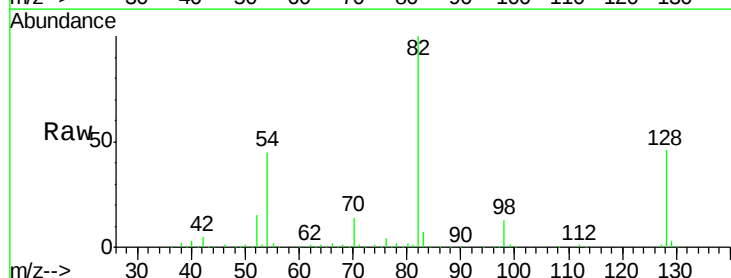
Tgt Ion: 82 Resp: 758881

Ion Ratio Lower Upper

82 100

128 46.2 41.8 62.8

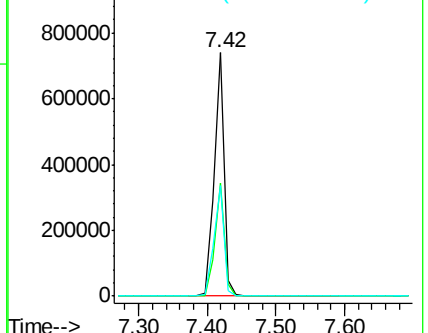
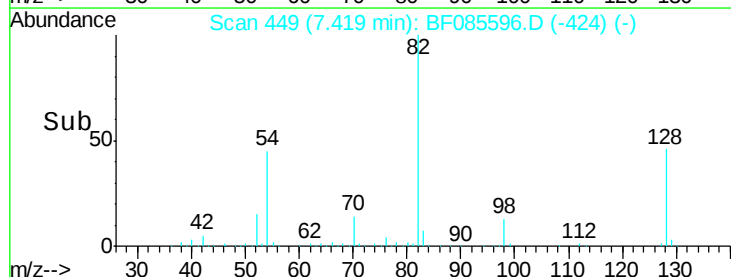
54 45.3 33.4 50.0

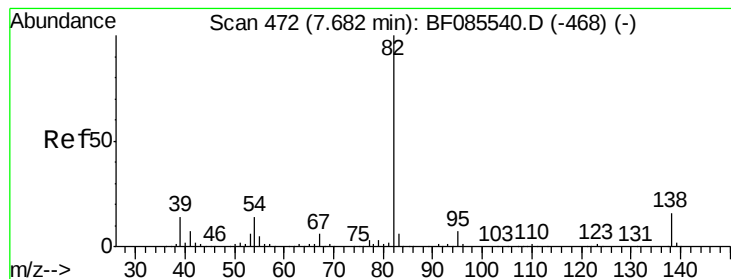


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.88 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.26 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

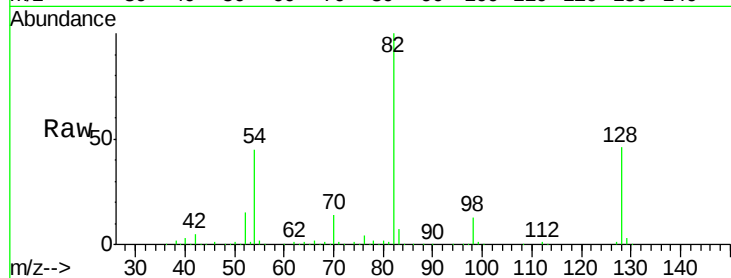
Tgt Ion: 82 Resp: 554496

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

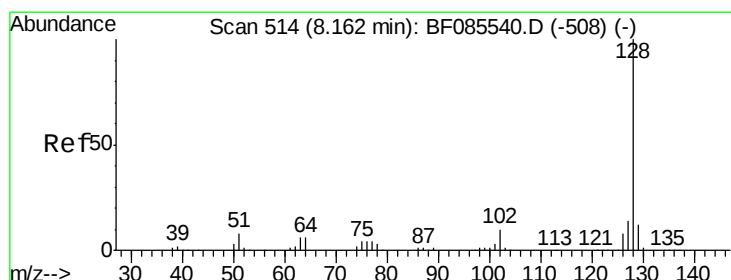
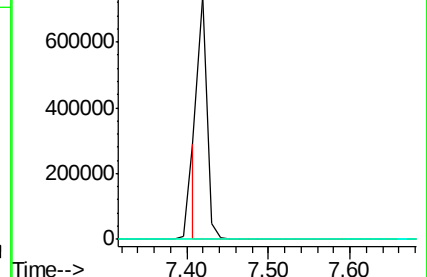
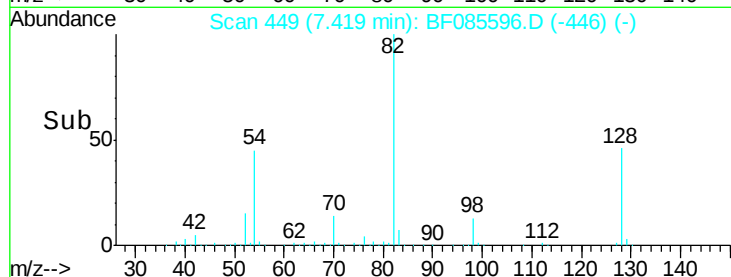
138 0.0 12.9 19.3#



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: 8.40 ng

RT: 8.16 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

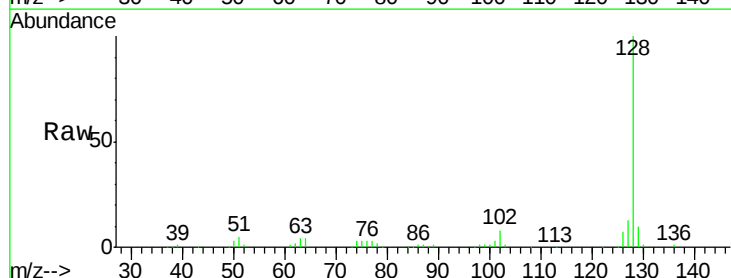
Tgt Ion: 128 Resp: 220841

Ion Ratio Lower Upper

128 100

129 10.4 9.4 14.0

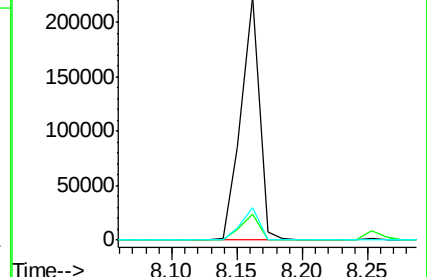
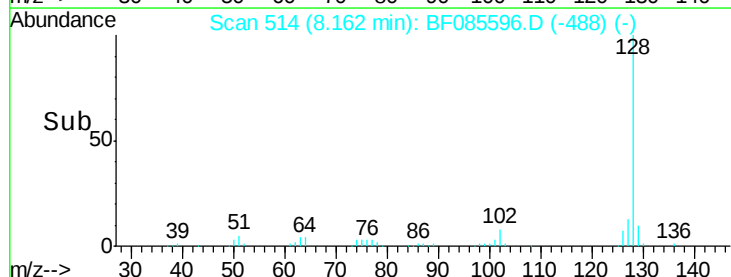
127 13.2 11.0 16.6

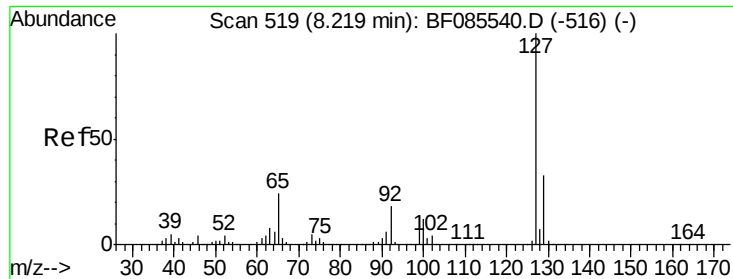


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

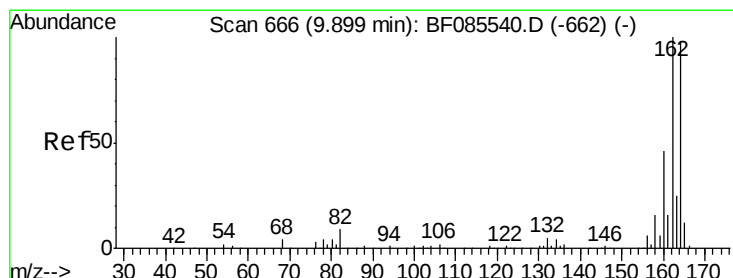
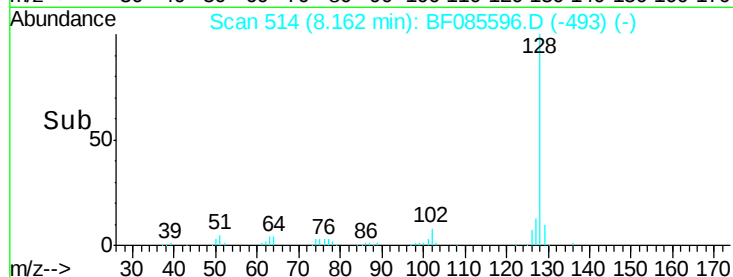
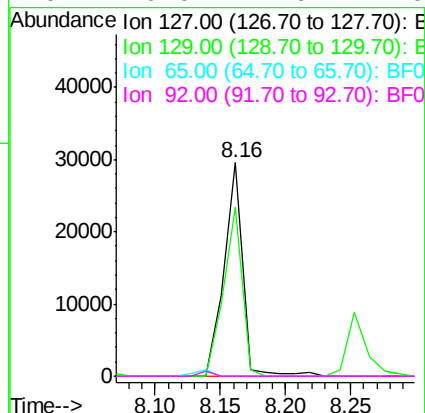
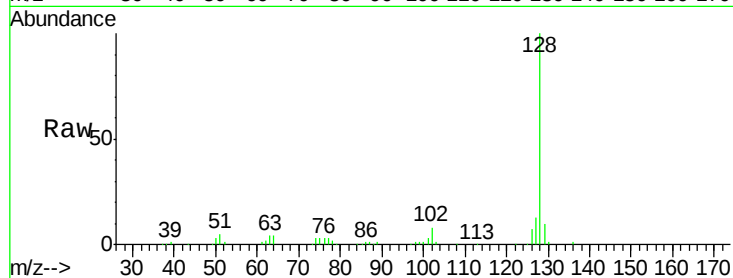




#33
4-Chloroaniline
Concen: 2.77 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.06 min
Lab File: BF085596.D
Acq: 20 Mar 2016 4:20

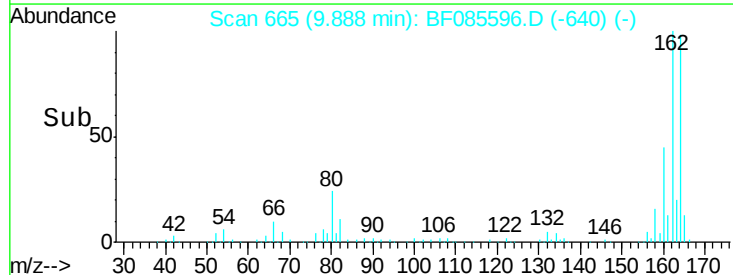
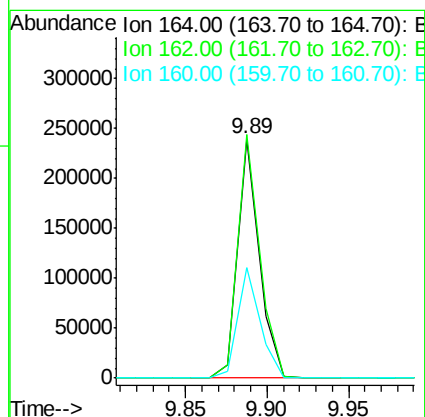
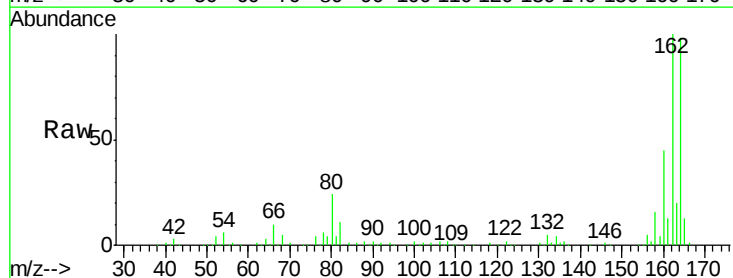
Instrument :
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GRID-8A-(0-10)

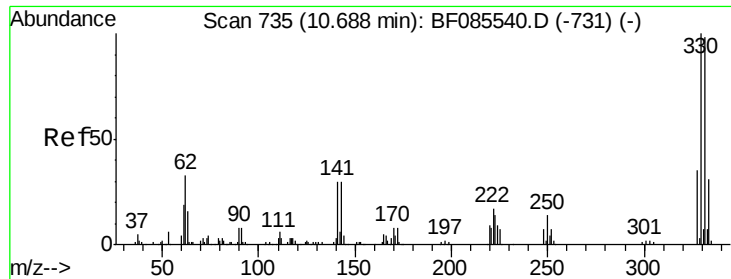
Tgt Ion:	127	Resp:	29858
Ion	Ratio	Lower	Upper
127	100		
129	79.0	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085596.D
Acq: 20 Mar 2016 4:20

Tgt Ion:	164	Resp:	217285
Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.1	123.1
160	46.4	37.4	56.2

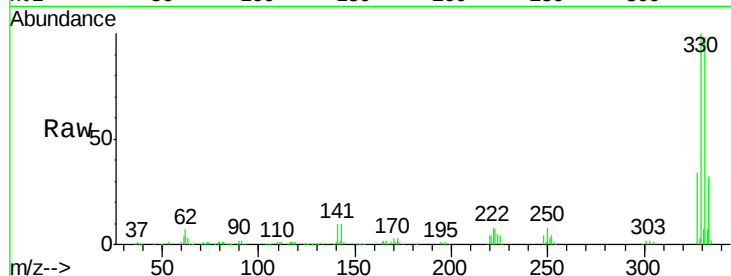




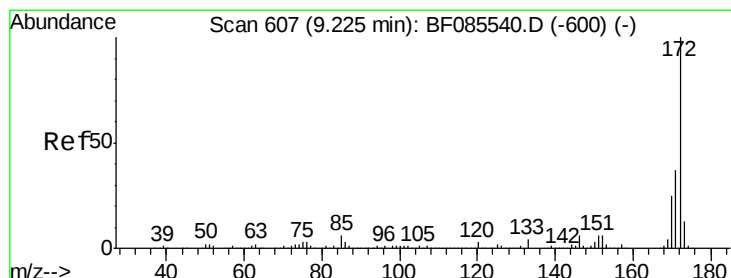
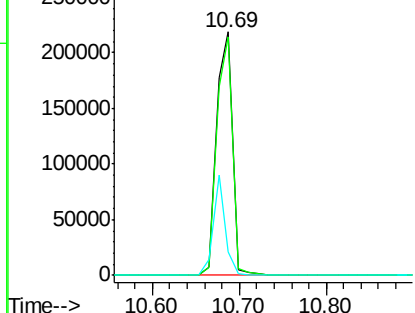
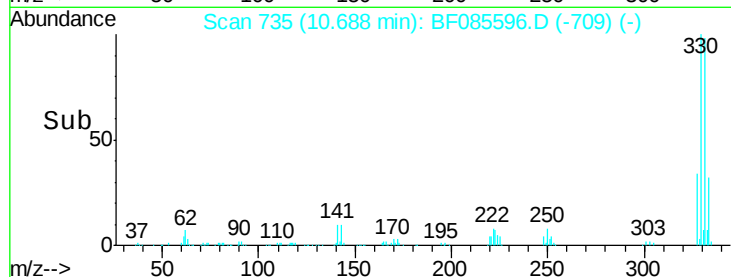
#41
 2,4,6-Tribromophenol
 Concen: 134.05 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085596.D
 Acq: 20 Mar 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tgt Ion:330 Resp: 285311
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.2 117.2
 141 31.3 31.5 47.3#

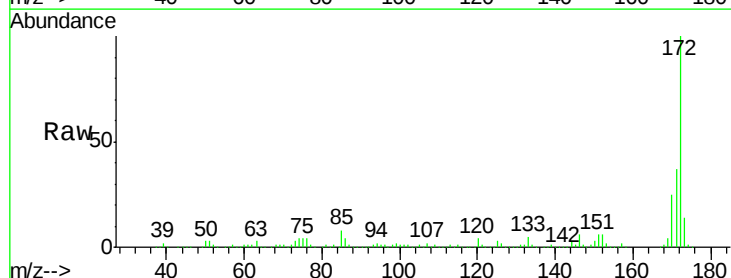


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

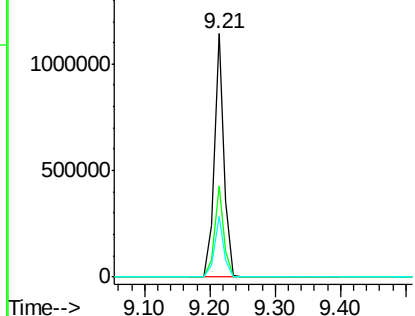
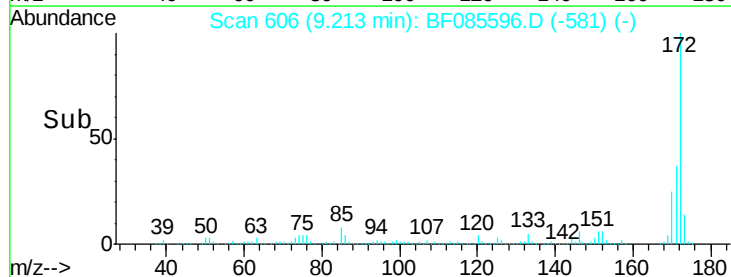


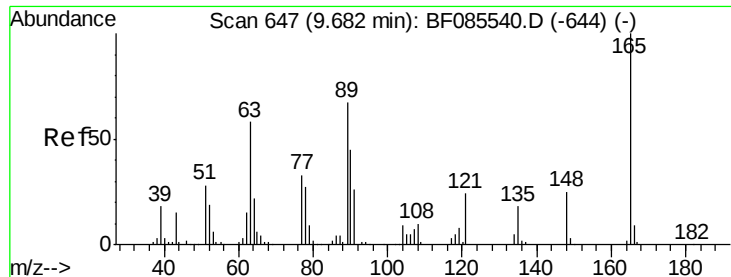
#44
 2-Fluorobiphenyl
 Concen: 99.14 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085596.D
 Acq: 20 Mar 2016 4:20

Tgt Ion:172 Resp: 1210382
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.2
 170 25.0 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

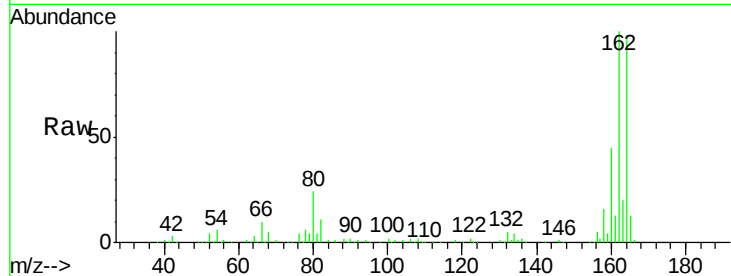




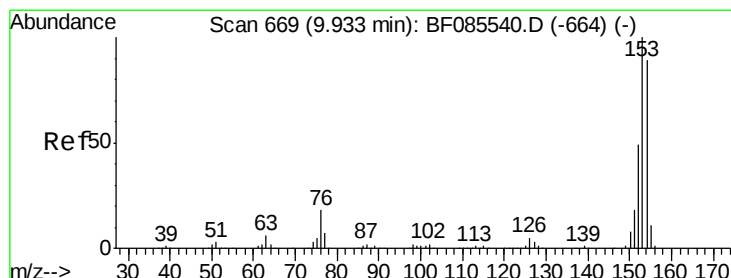
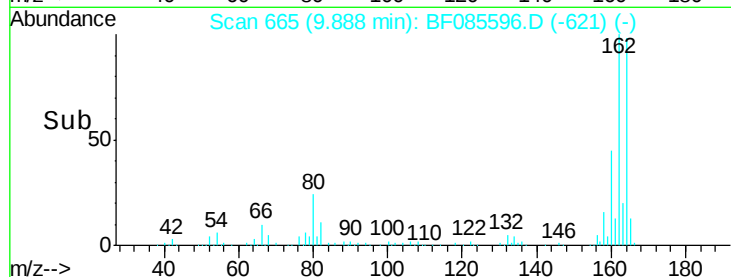
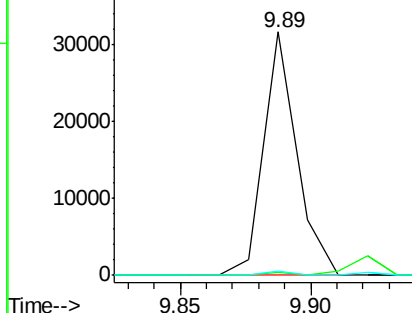
#50
2,6-Dinitrotoluene
Concen: 8.12 ng
RT: 9.89 min Scan# 665
Delta R.T. 0.21 min
Lab File: BF085596.D
Acq: 20 Mar 2016 4:20

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tgt Ion:165 Resp: 28121
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.8#
89 1.6 53.7 80.5#

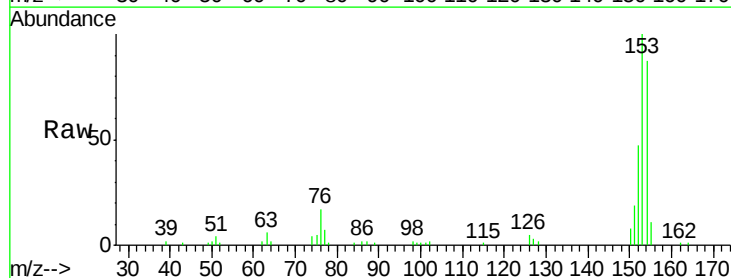


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

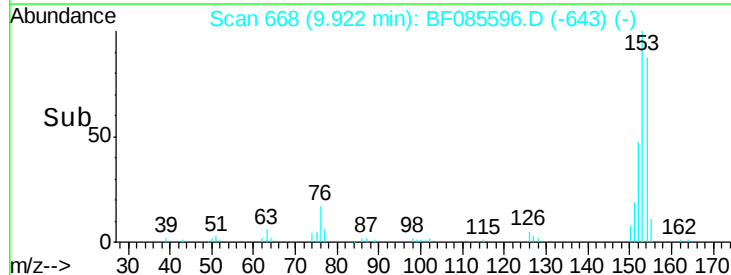
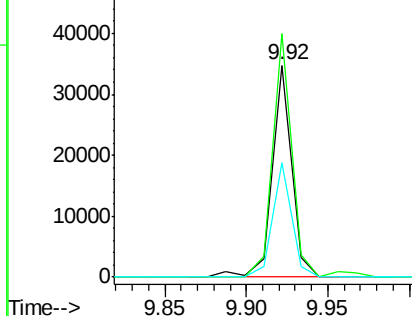


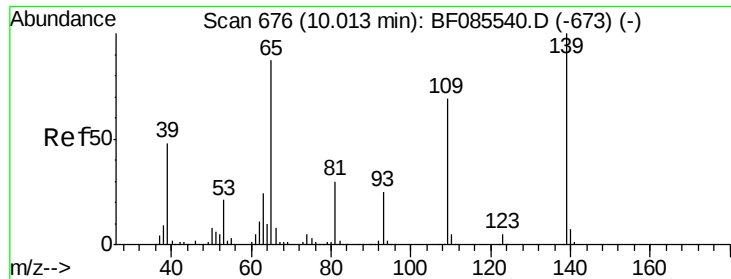
#51
Acenaphthene
Concen: 2.08 ng
RT: 9.92 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF085596.D
Acq: 20 Mar 2016 4:20

Tgt Ion:154 Resp: 28967
Ion Ratio Lower Upper
154 100
153 114.8 90.1 135.1
152 53.8 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 2.76 ng

RT: 10.09 min Scan# 683

Delta R.T. 0.08 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

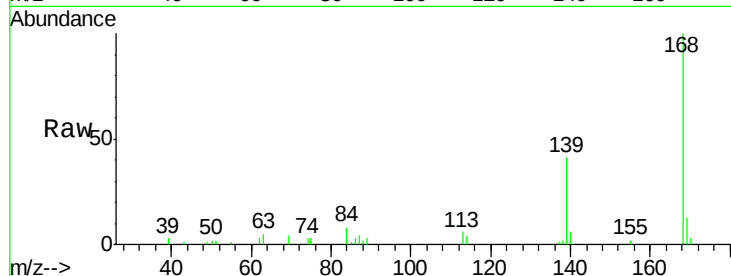
Tgt Ion:139 Resp: 9231

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

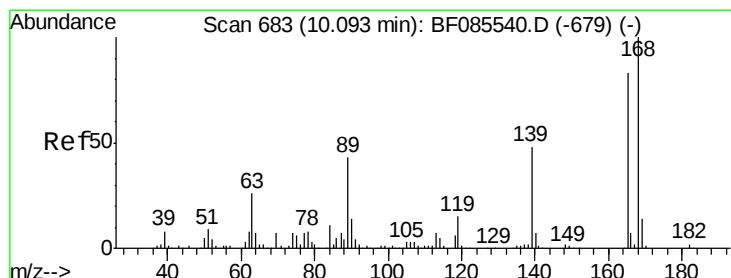
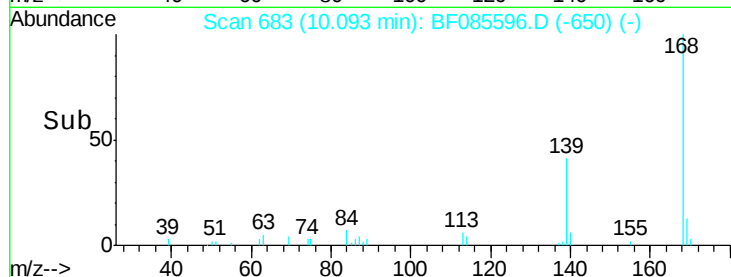
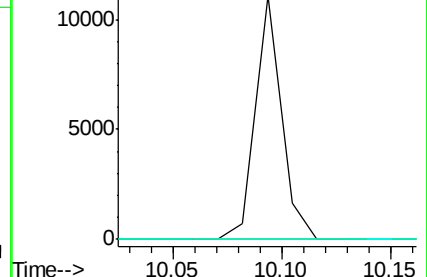
65 0.0 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.21 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Tgt Ion:165 Resp: 28122

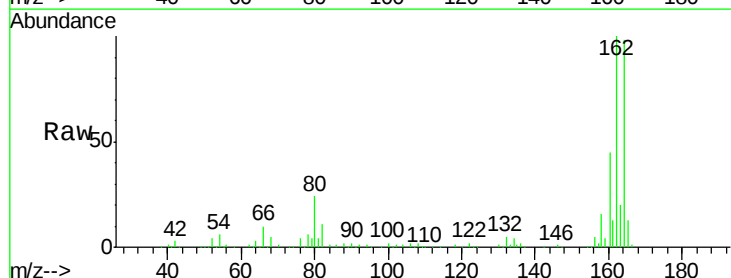
Ion Ratio Lower Upper

165 100

63 1.1 24.9 37.3#

89 1.6 41.0 61.6#

182 0.0 2.1 3.1#

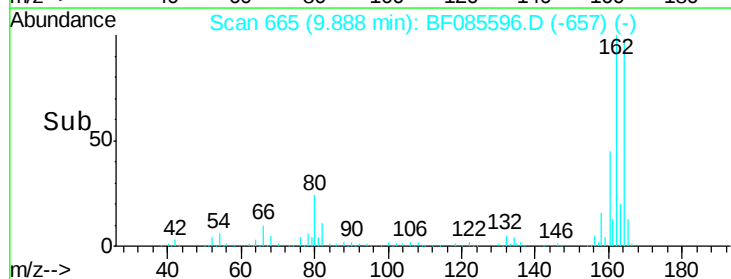
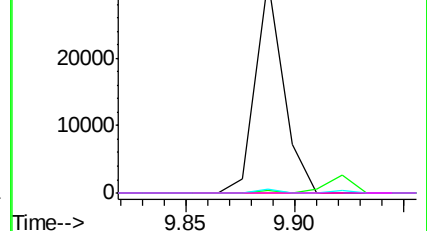


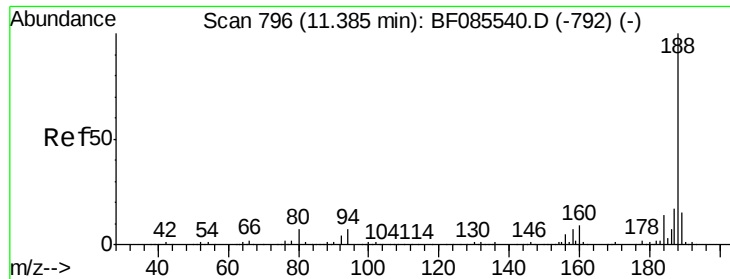
Abundance Ion 165.00 (164.70 to 165.70): E

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

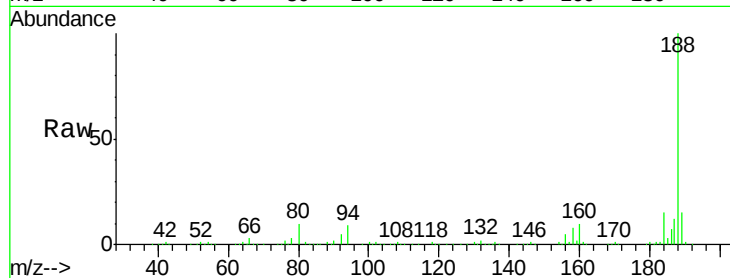




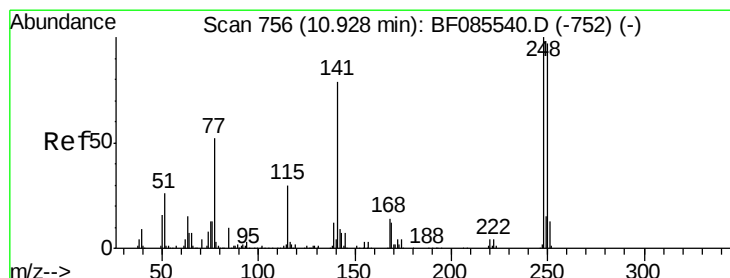
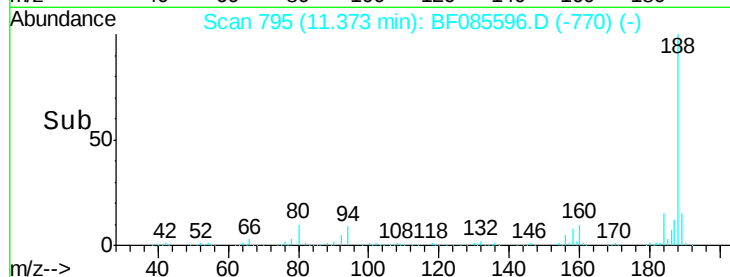
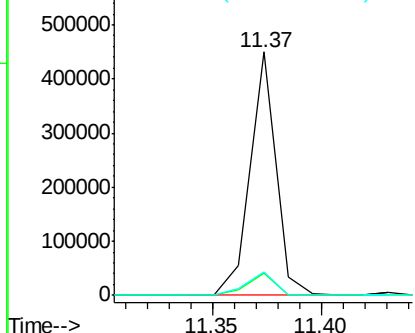
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF085596.D
 Acq: 20 Mar 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tgt Ion:188 Resp: 371592
 Ion Ratio Lower Upper
 188 100
 94 9.3 5.4 8.0#
 80 9.8 5.5 8.3#

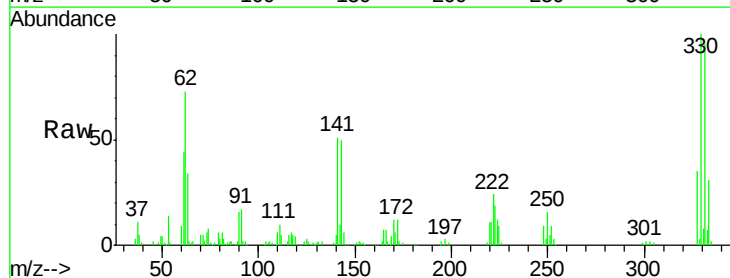


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

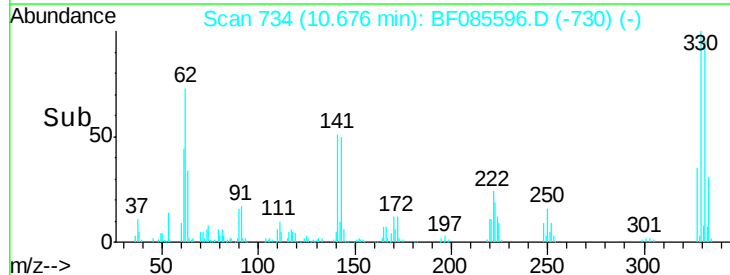
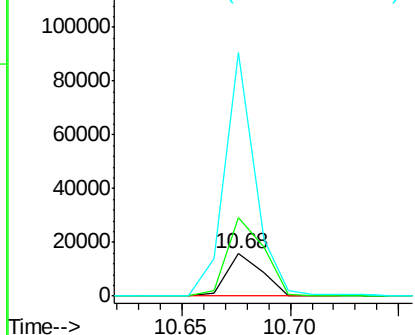


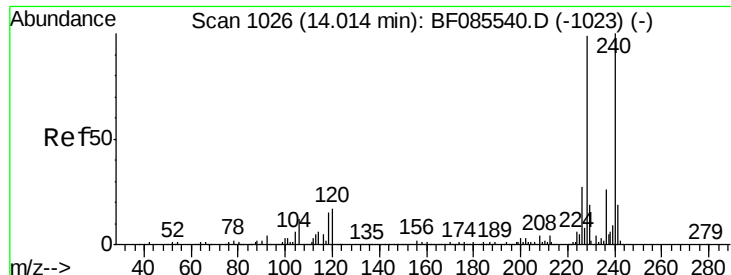
#66
 4-Bromophenyl-phenylether
 Concen: 4.77 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.25 min
 Lab File: BF085596.D
 Acq: 20 Mar 2016 4:20

Tgt Ion:248 Resp: 17724
 Ion Ratio Lower Upper
 248 100
 250 184.8 77.4 116.0#
 141 575.1 63.6 95.4#



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: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

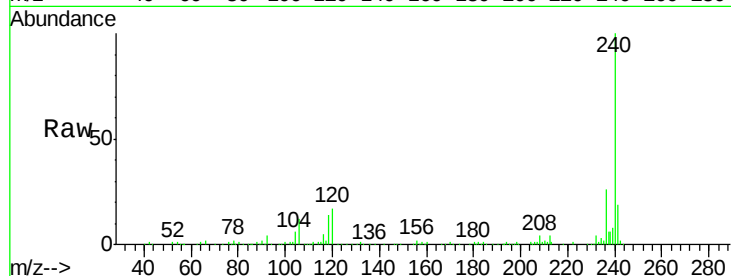
Tgt Ion:240 Resp: 247705

Ion Ratio Lower Upper

240 100

120 17.0 13.8 20.8

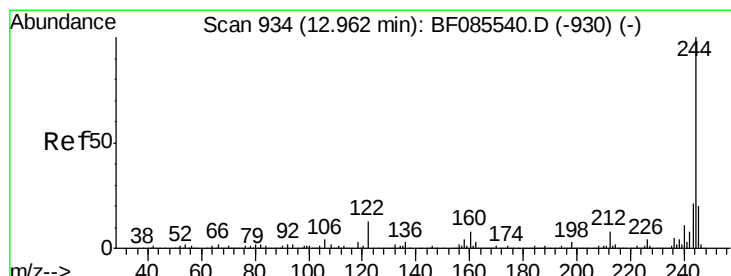
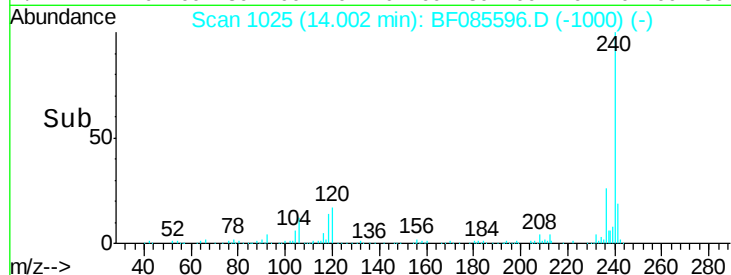
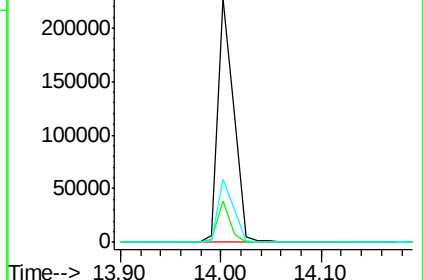
236 25.7 20.6 30.8



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: 104.78 ng

RT: 12.96 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF085596.D

Acq: 20 Mar 2016 4:20

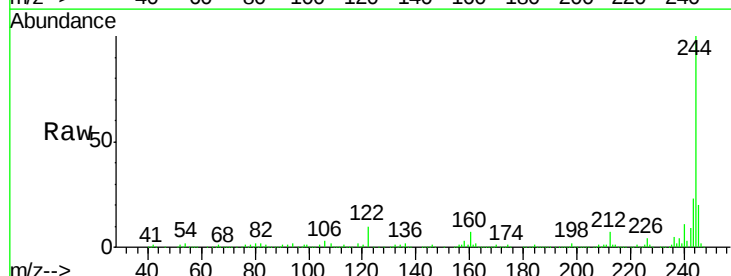
Tgt Ion:244 Resp: 1078617

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

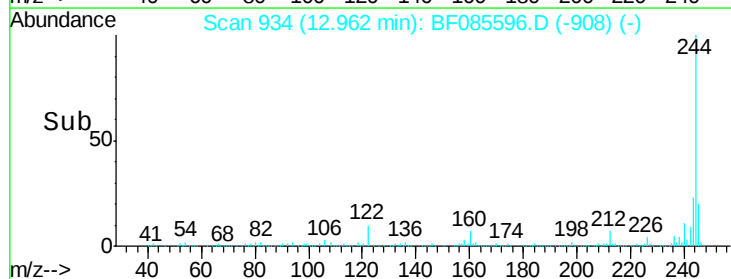
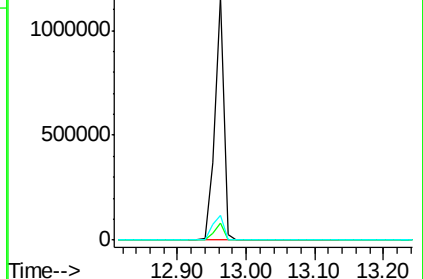
122 10.3 10.2 15.4

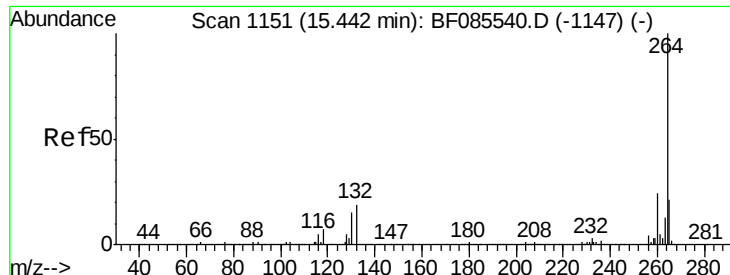


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

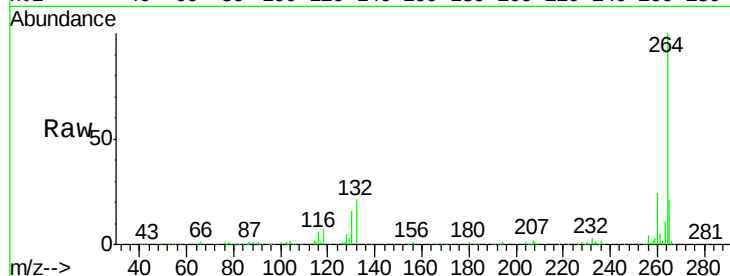




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085596.D
Acq: 20 Mar 2016 4:20

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tgt Ion: 264 Resp: 255761
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.1 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

