

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077925.D
 Acq On : 24 Mar 2015 21:44
 Operator : TP/IZ
 Sample : G1615-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-1

Quant Time: Mar 25 00:12:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 00:51:55 2015
 Response via : Initial Calibration

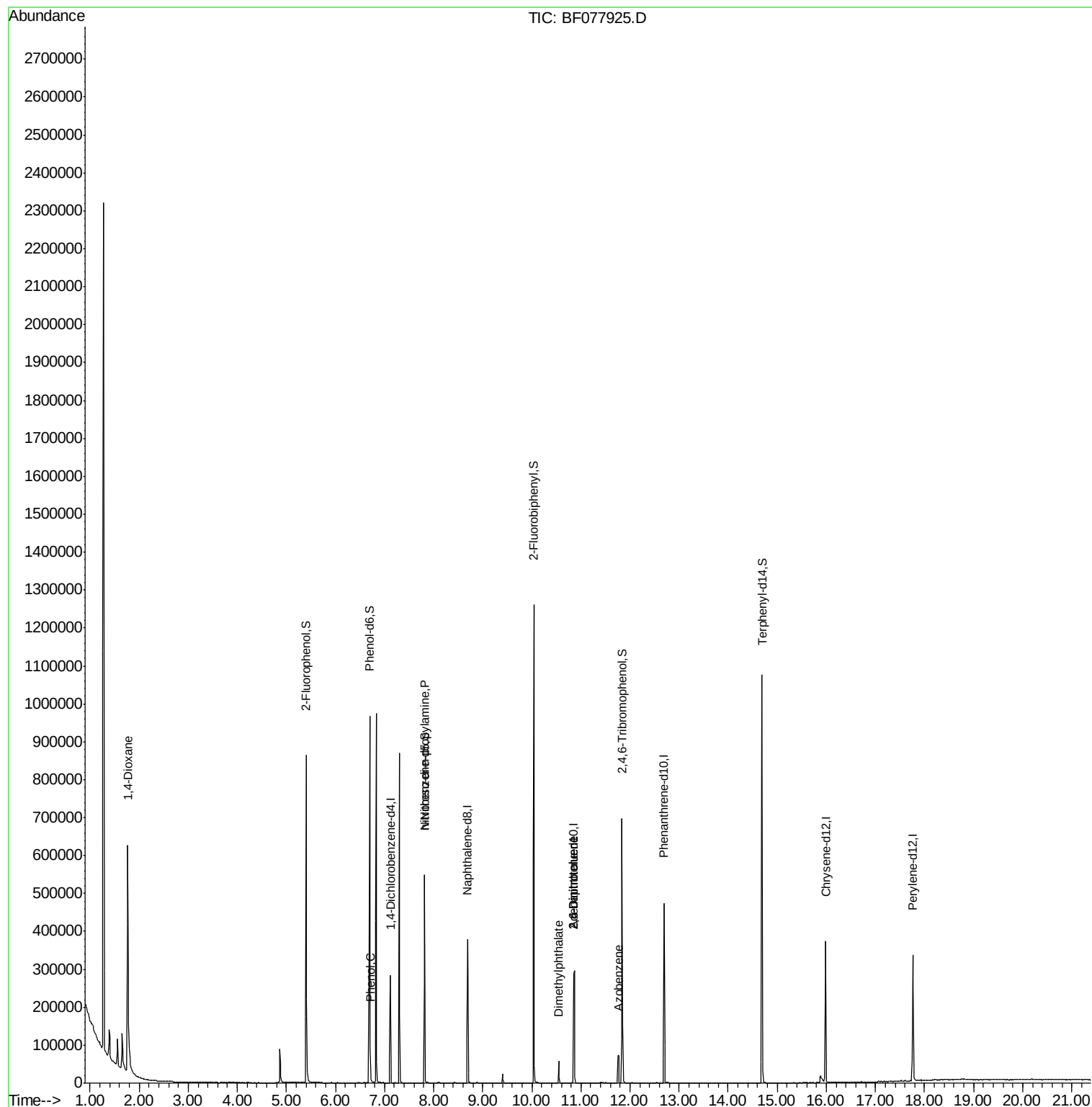
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	45954	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	188198	20.00	ng	0.00
38) Acenaphthene-d10	10.85	164	92699	20.00	ng	-0.01
63) Phenanthrene-d10	12.69	188	185994	20.00	ng	0.00
75) Chrysene-d12	15.99	240	192953	20.00	ng	0.01
86) Perylene-d12	17.76	264	179500	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	278387	105.74	ng	0.00
7) Phenol-d6	6.69	99	370551	113.92	ng	0.00
23) Nitrobenzene-d5	7.81	82	205890	71.71	ng	0.00
41) 2,4,6-Tribromophenol	11.84	330	81979	92.43	ng	0.00
44) 2-Fluorobiphenyl	10.04	172	462723	73.36	ng	0.00
78) Terphenyl-d14	14.69	244	546714	69.21	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.77	88	29559	24.73	ng	# 100
10) Phenol	6.70	94	7865	2.05	ng	# 86
19) n-Nitroso-di-n-propylamine	7.81	70	25210	11.20	ng	# 78
49) Dimethylphthalate	10.54	163	27125	3.95	ng	# 99
50) 2,6-Dinitrotoluene	10.85	165	11222	7.87	ng	# 24
56) 2,4-Dinitrotoluene	10.85	165	11224	6.04	ng	# 11
62) Azobenzene	11.76	77	21300	3.33	ng	# 1

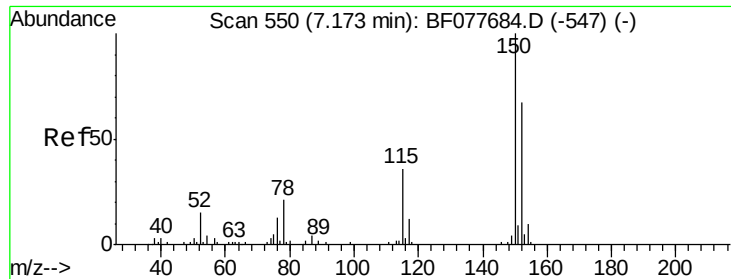
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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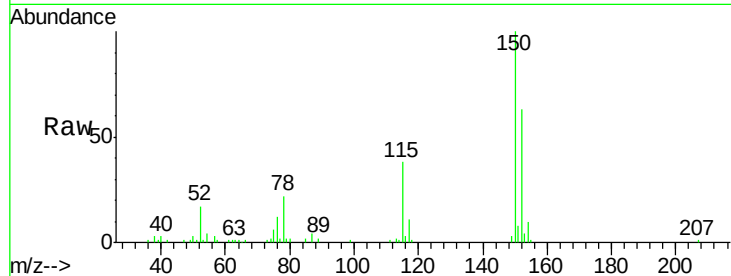


#1

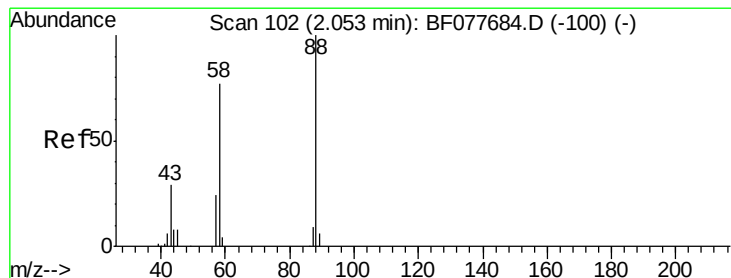
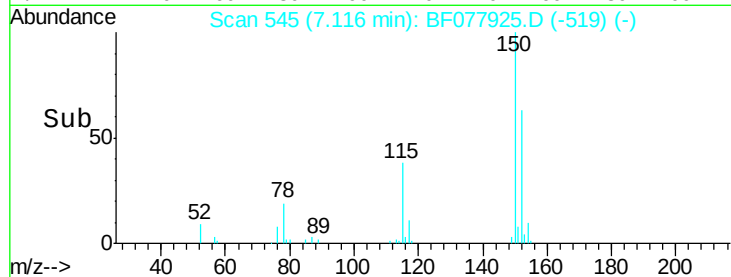
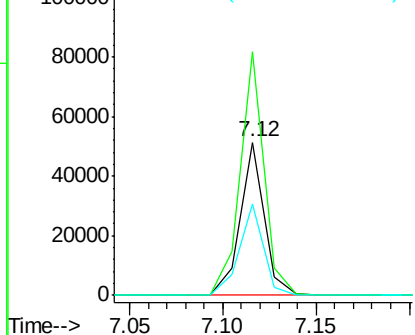
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF077925.D
Acq: 24 Mar 2015 21:44

Instrument :
BNA_F
ClientSampled :
SB-16-1

Tgt Ion:152 Resp: 45954
Ion Ratio Lower Upper
152 100
150 159.2 119.5 179.3
115 59.9 43.0 64.4



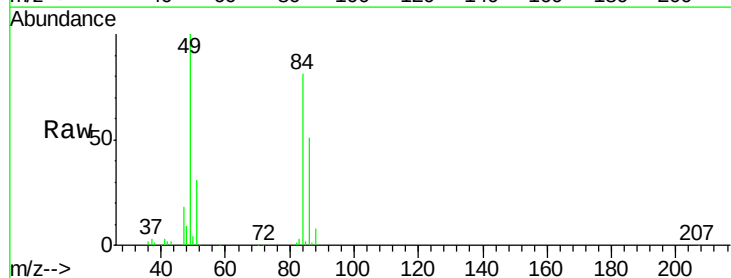
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



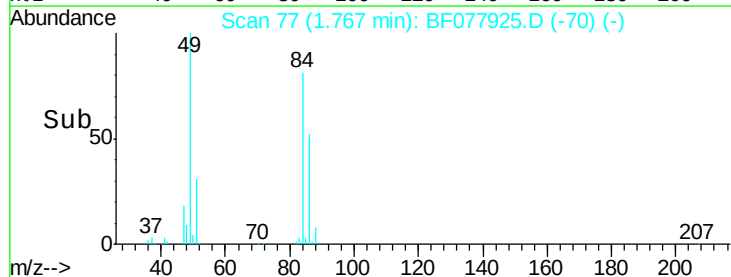
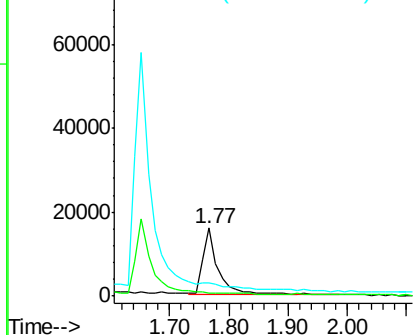
#2

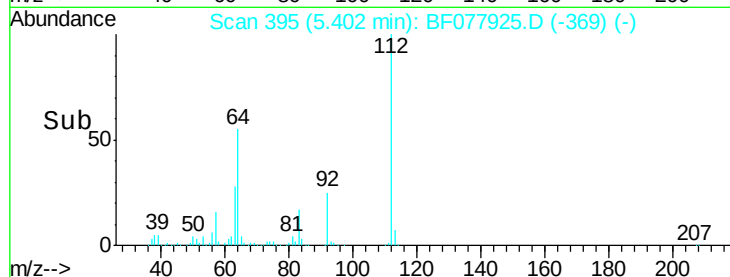
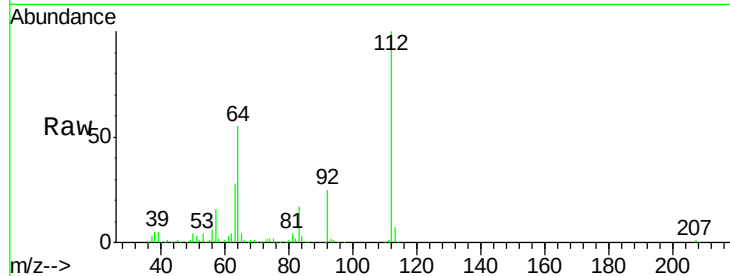
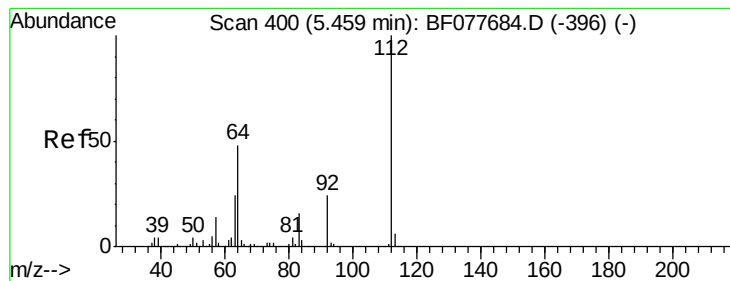
1,4-Dioxane
Concen: 24.73 ng
RT: 1.77 min Scan# 77
Delta R.T. -0.22 min
Lab File: BF077925.D
Acq: 24 Mar 2015 21:44

Tgt Ion: 88 Resp: 29559
Ion Ratio Lower Upper
88 100
58 0.0 0.0 0.0
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 105.74 ng

RT: 5.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

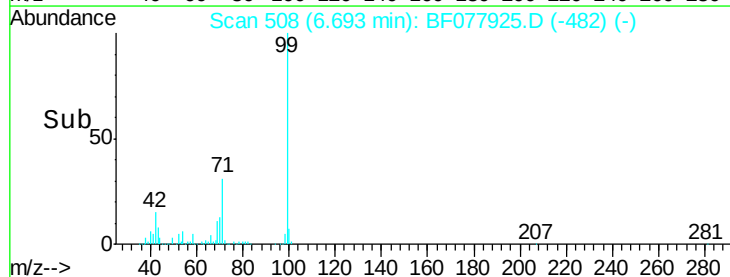
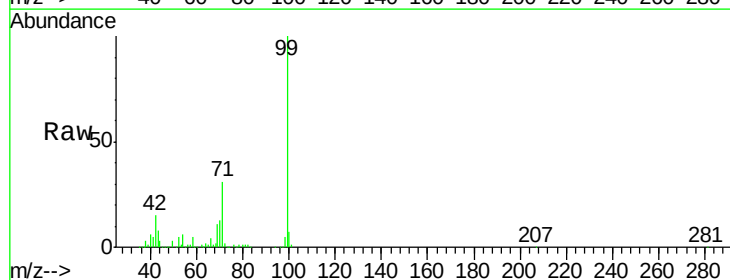
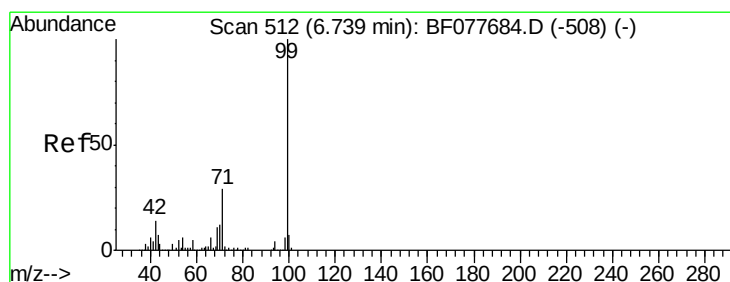
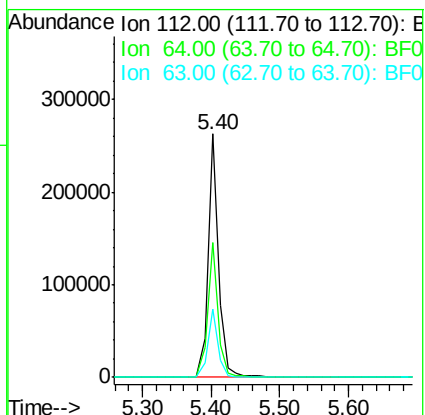
Tgt Ion: 112 Resp: 278387

Ion Ratio Lower Upper

112 100

64 55.4 38.6 57.8

63 28.2 19.3 28.9



#7

Phenol-d6

Concen: 113.92 ng

RT: 6.69 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

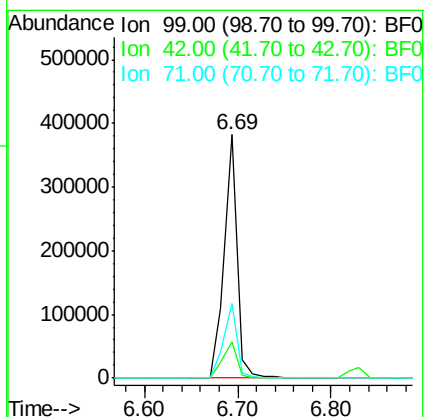
Tgt Ion: 99 Resp: 370551

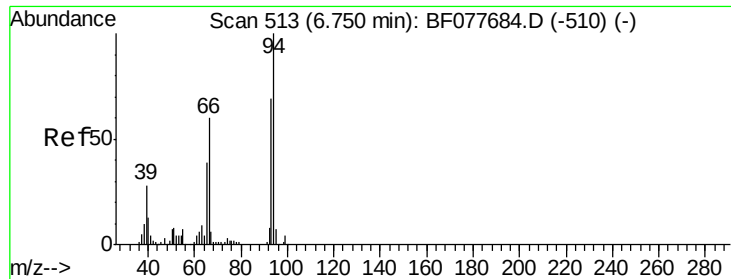
Ion Ratio Lower Upper

99 100

42 15.0 11.0 16.4

71 30.5 23.4 35.2





#10

Phenol

Concen: 2.05 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

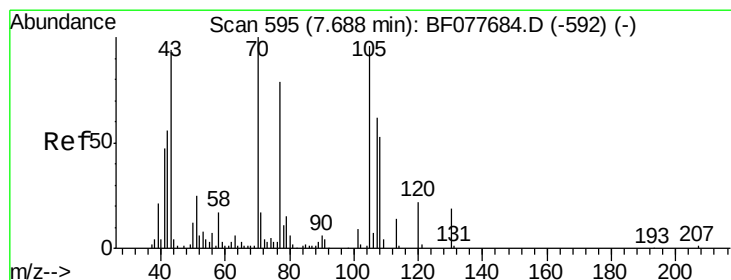
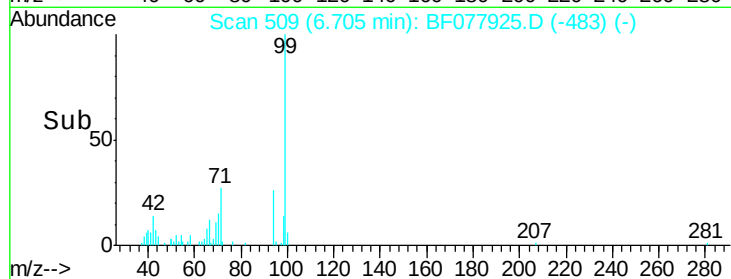
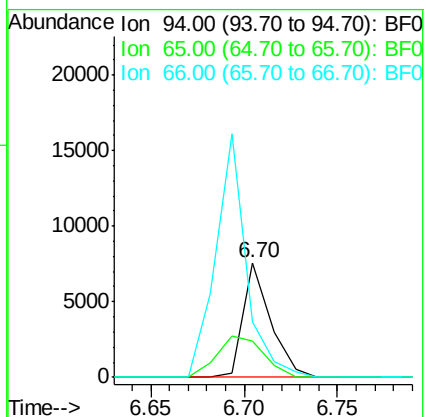
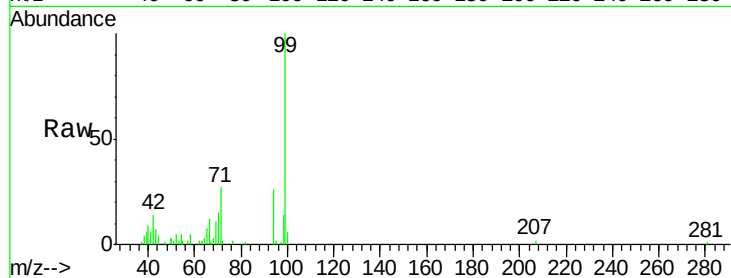
Tgt Ion: 94 Resp: 7865

Ion Ratio Lower Upper

94 100

65 32.1 18.8 58.8

66 48.1 39.9 79.9



#19

n-Nitroso-di-n-propylamine

Concen: 11.20 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.17 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Tgt Ion: 70 Resp: 25210

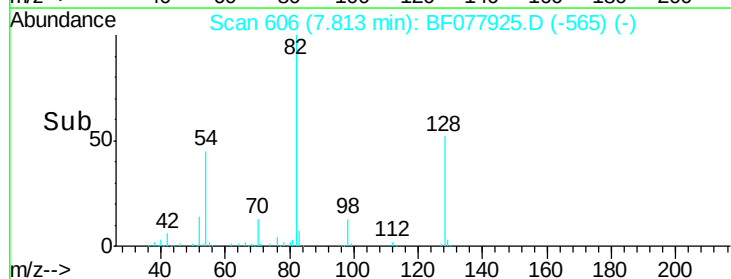
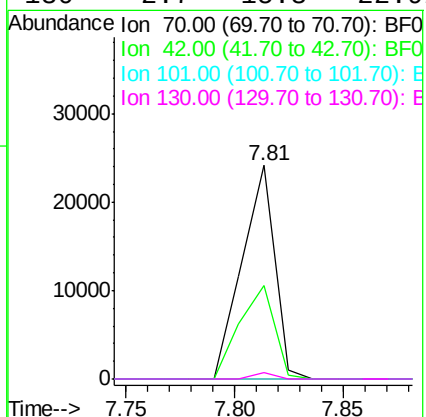
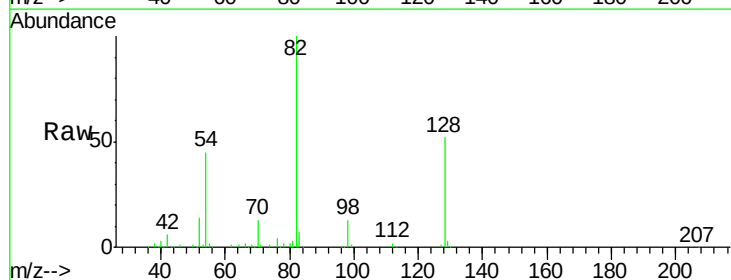
Ion Ratio Lower Upper

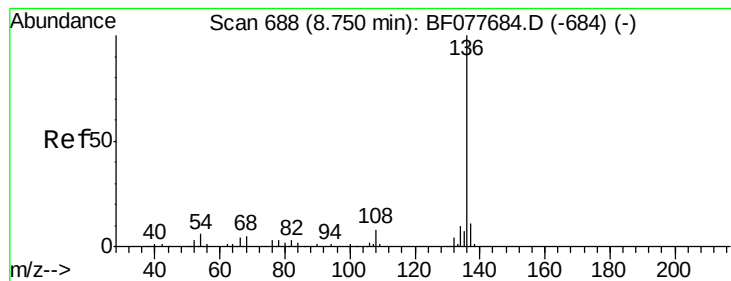
70 100

42 43.6 44.5 66.7#

101 0.0 7.4 11.2#

130 2.7 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

Tgt Ion: 136 Resp: 188198

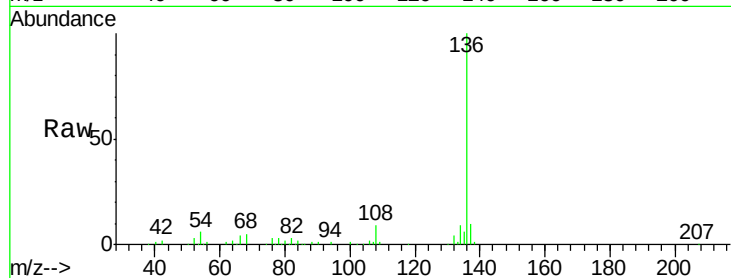
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 5.8 4.6 6.8

68 5.0 3.7 5.5

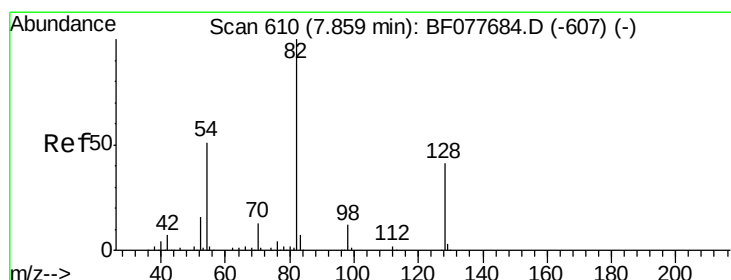
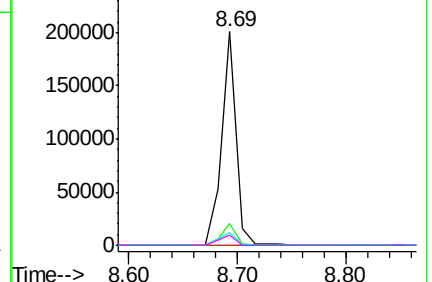
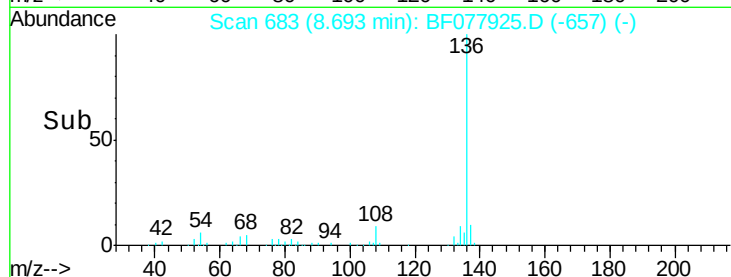


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.71 ng

RT: 7.81 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

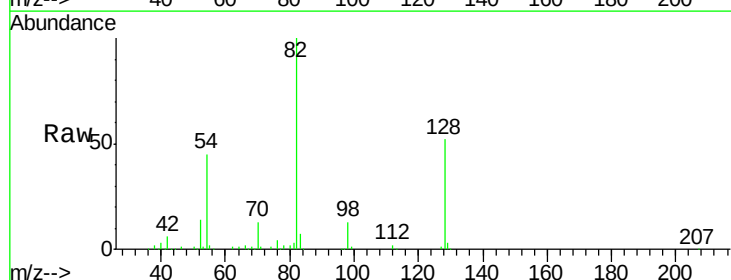
Tgt Ion: 82 Resp: 205890

Ion Ratio Lower Upper

82 100

128 52.1 32.8 49.2#

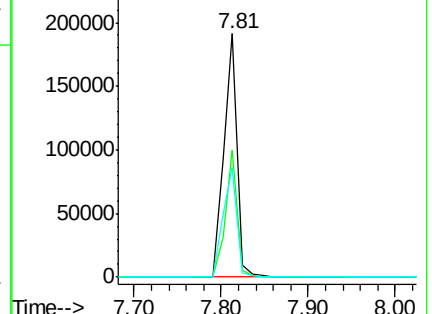
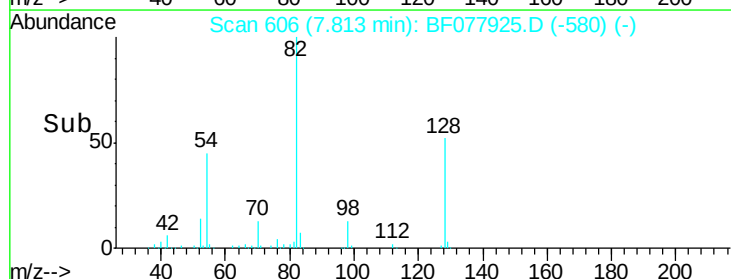
54 44.7 40.6 60.8

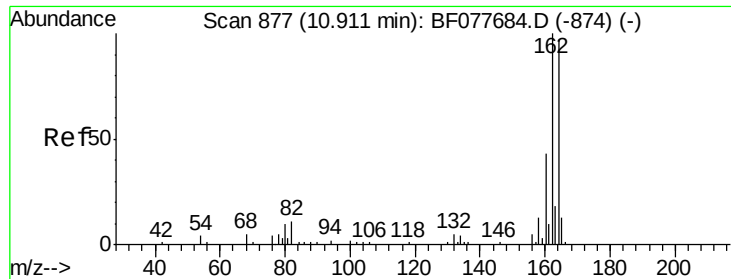


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

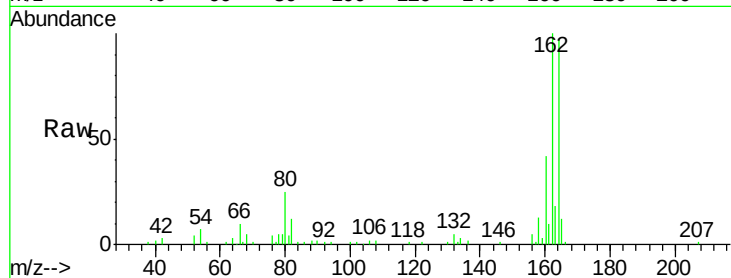




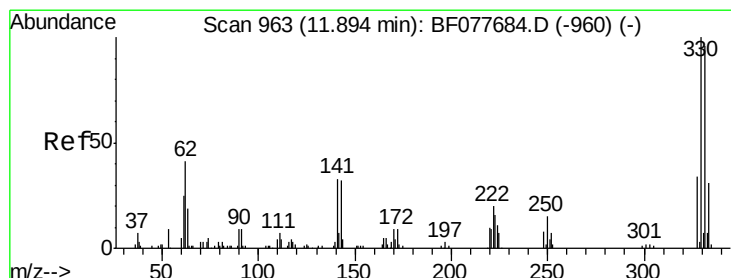
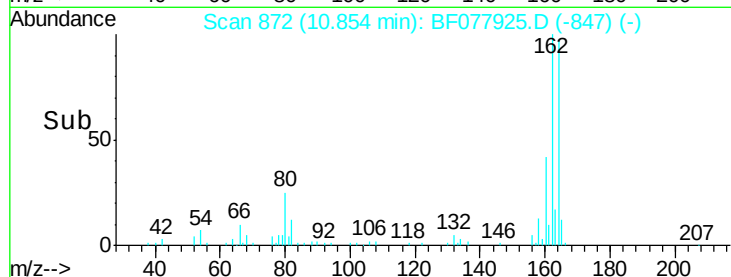
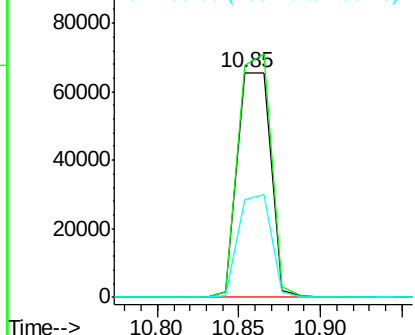
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.85 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF077925.D
 Acq: 24 Mar 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-1

Tgt Ion:164 Resp: 92699
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.4 123.6
 160 43.4 35.8 53.6

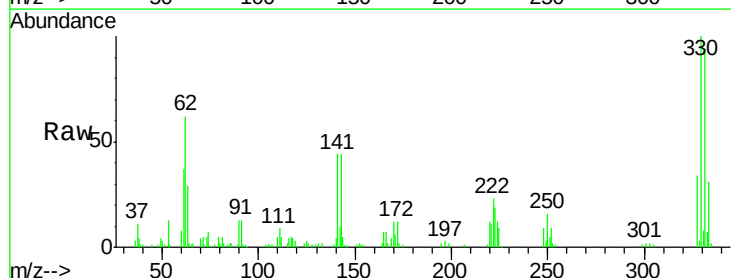


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

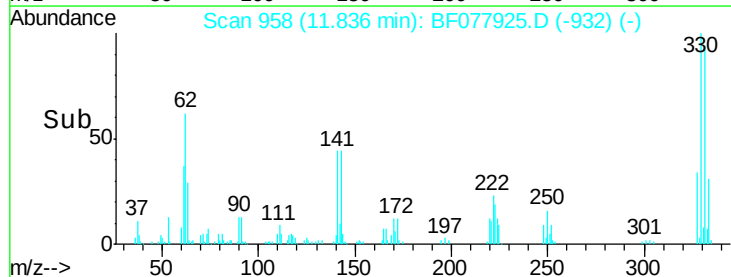
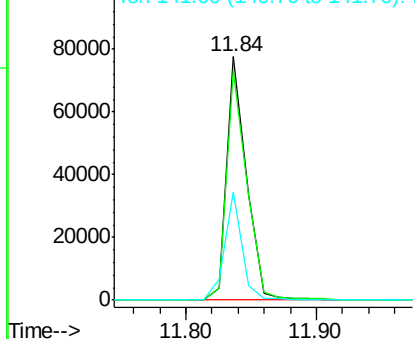


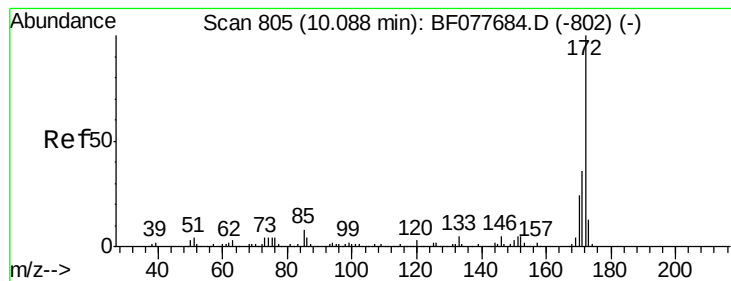
#41
 2,4,6-Tribromophenol
 Concen: 92.43 ng
 RT: 11.84 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: BF077925.D
 Acq: 24 Mar 2015 21:44

Tgt Ion:330 Resp: 81979
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 38.8 0.0 0.0#



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: 73.36 ng

RT: 10.04 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

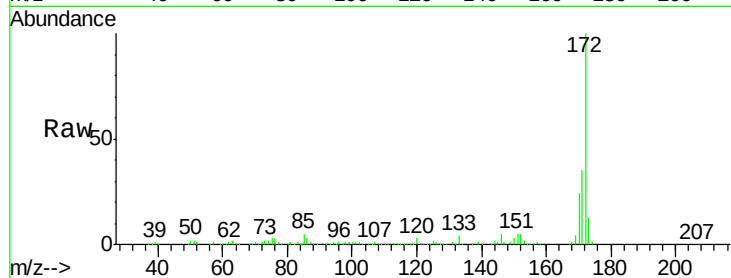
Tgt Ion:172 Resp: 462723

Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

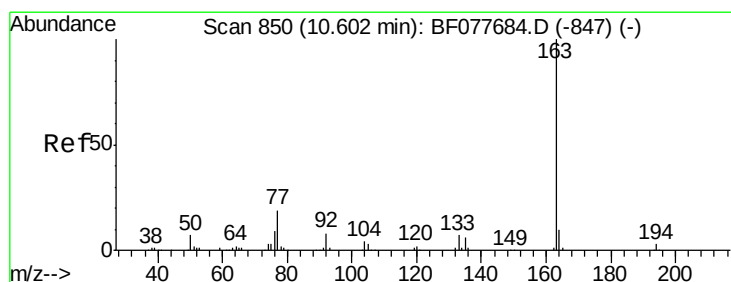
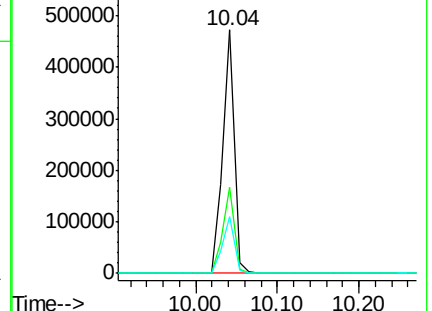
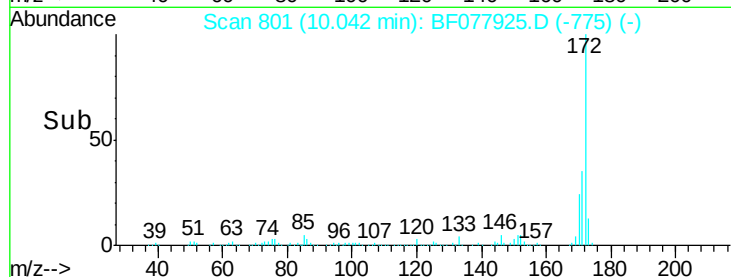
170 23.5 18.8 28.2



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: 3.95 ng

RT: 10.54 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

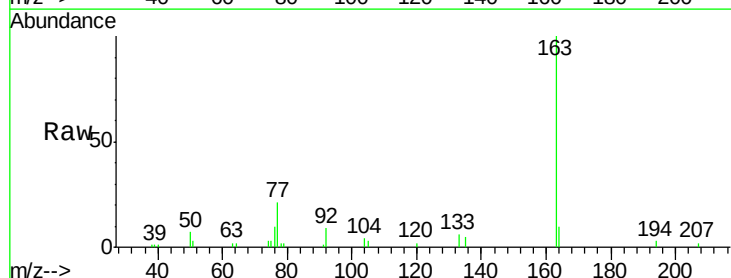
Tgt Ion:163 Resp: 27125

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

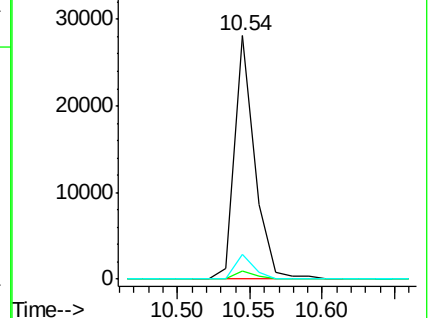
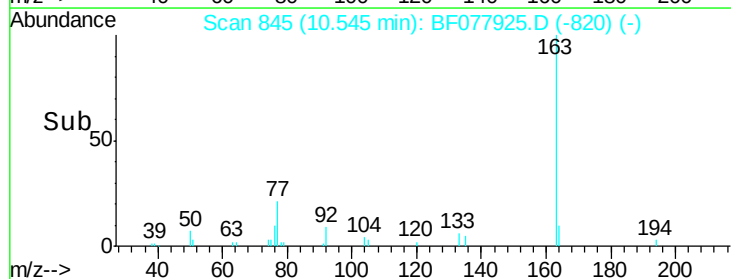
164 10.0 8.2 12.2

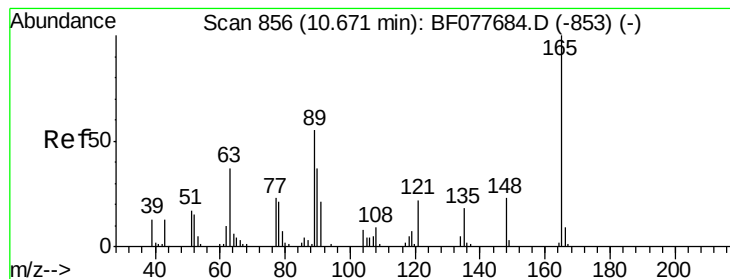


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 7.87 ng

RT: 10.85 min Scan# 872

Delta R.T. 0.23 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampled :

SB-16-1

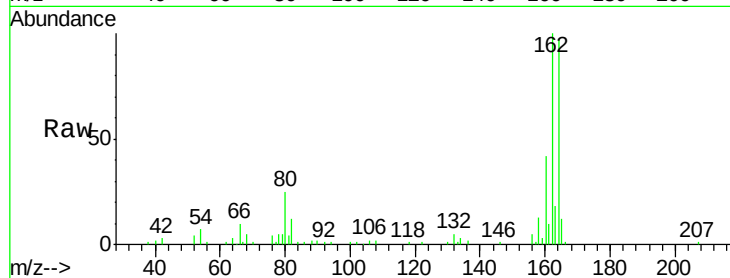
Tgt Ion:165 Resp: 11222

Ion Ratio Lower Upper

165 100

63 0.0 44.1 66.1#

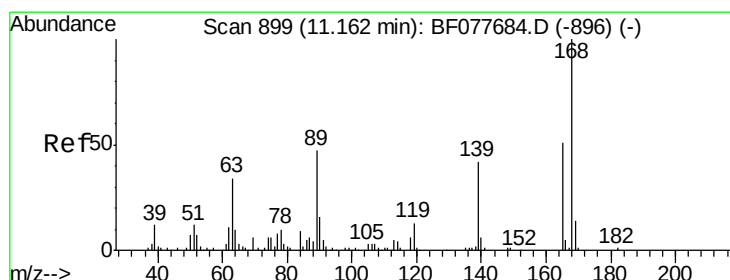
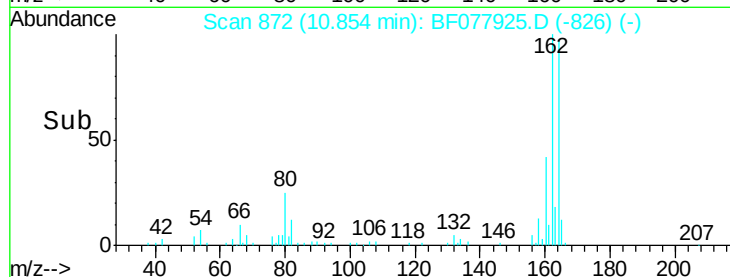
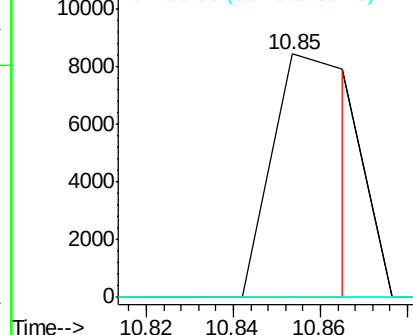
89 0.0 44.3 66.5#



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



#56

2,4-Dinitrotoluene

Concen: 6.04 ng

RT: 10.85 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Tgt Ion:165 Resp: 11224

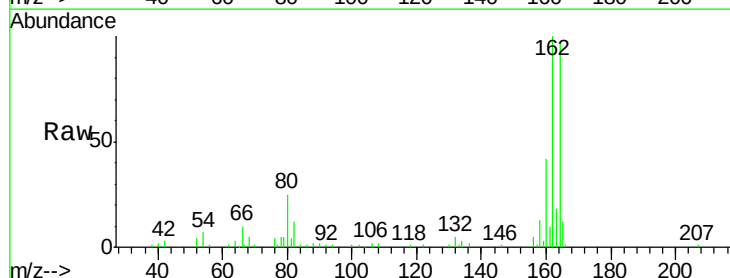
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

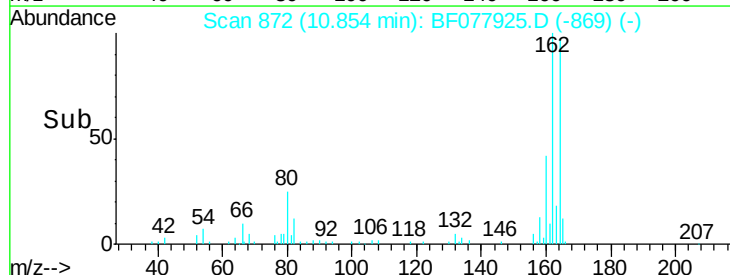
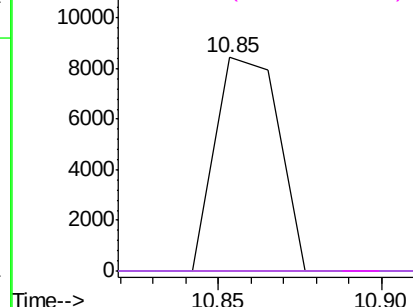


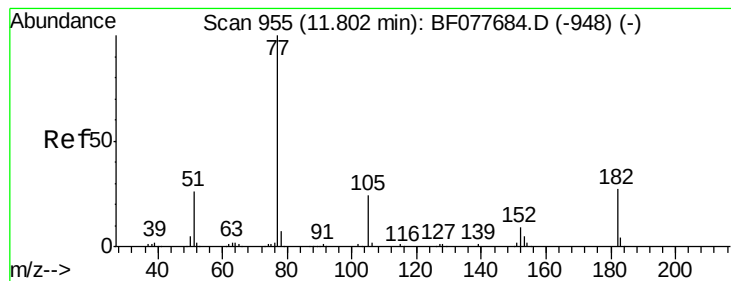
Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.33 ng

RT: 11.76 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

Tgt Ion: 77 Resp: 21300

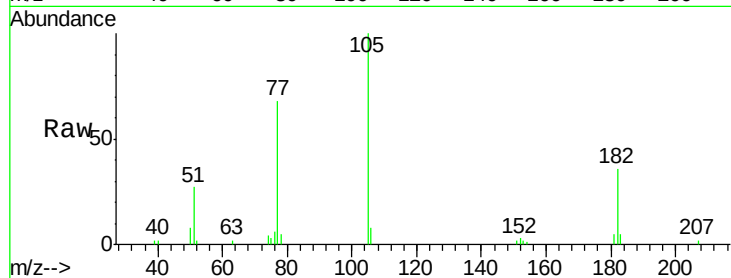
Ion Ratio Lower Upper

77 100

182 52.4 6.5 46.5#

105 147.5 3.8 43.8#

51 40.1 5.5 45.5



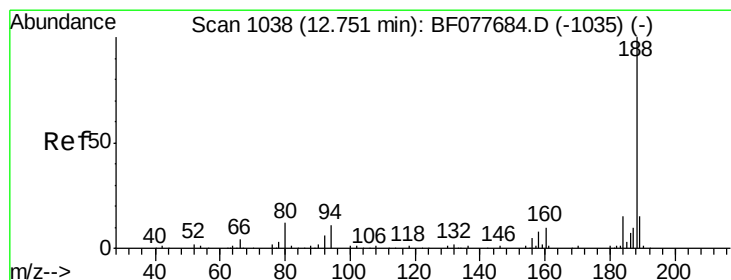
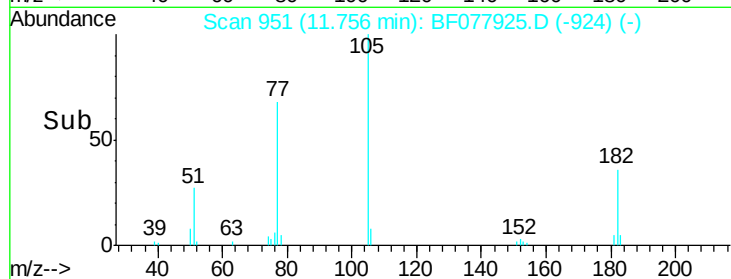
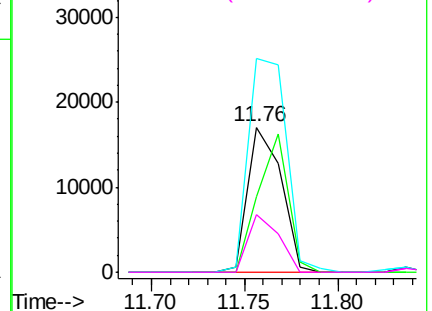
Abundance

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: 20.00 ng

RT: 12.69 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

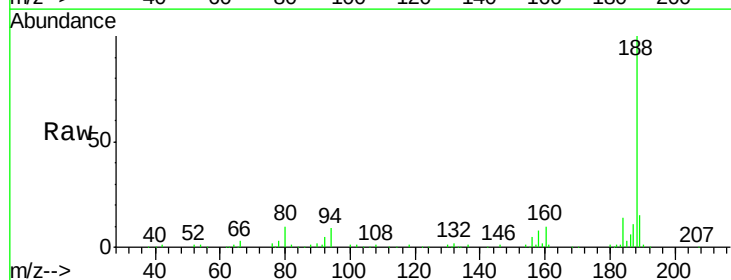
Tgt Ion: 188 Resp: 185994

Ion Ratio Lower Upper

188 100

94 9.2 8.7 13.1

80 9.7 9.3 13.9

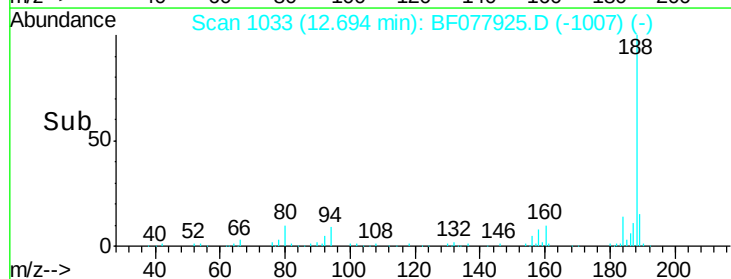
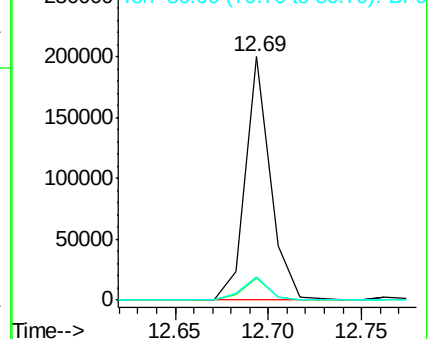


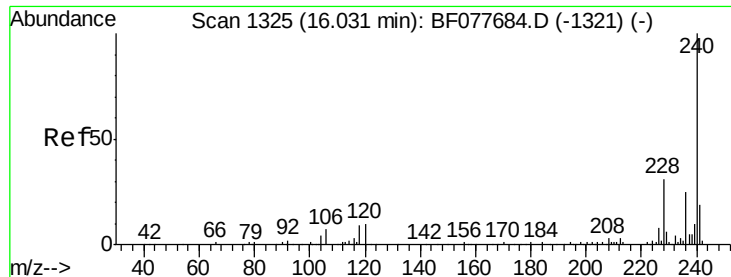
Abundance

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: 15.99 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

Instrument :

BNA_F

ClientSampleId :

SB-16-1

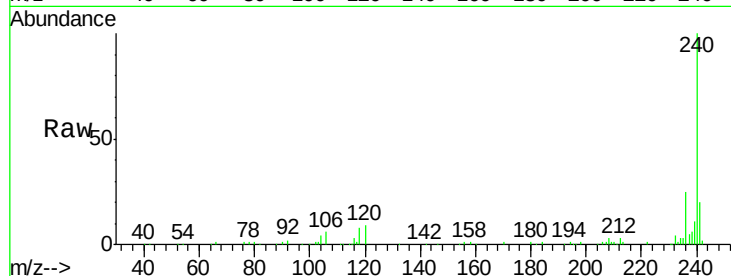
Tgt Ion:240 Resp: 192953

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

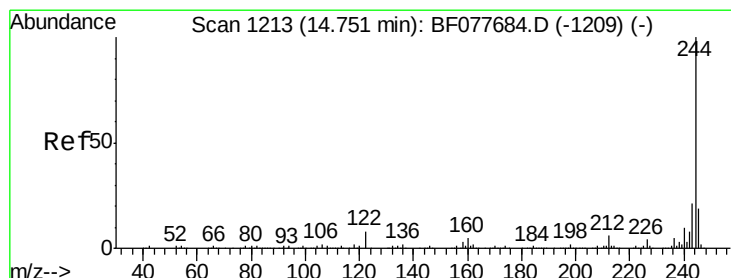
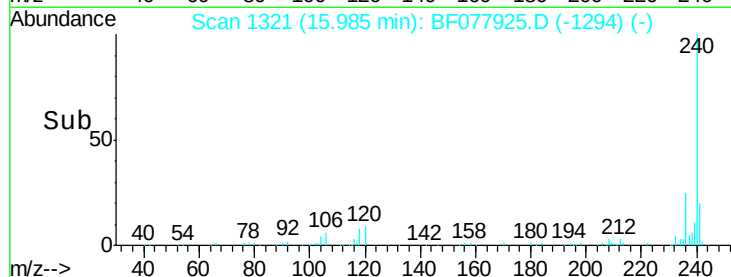
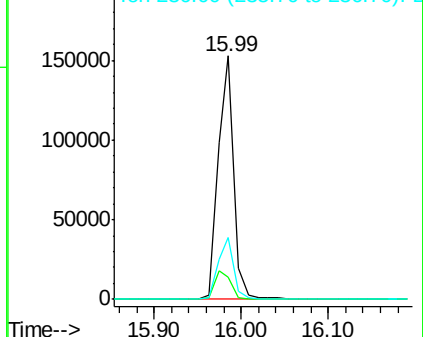
236 25.4 20.0 30.0



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: 69.21 ng

RT: 14.69 min Scan# 1208

Delta R.T. -0.00 min

Lab File: BF077925.D

Acq: 24 Mar 2015 21:44

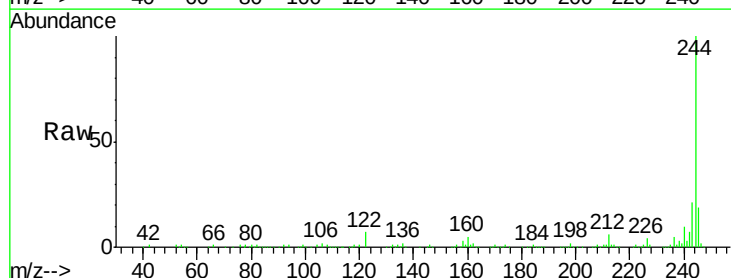
Tgt Ion:244 Resp: 546714

Ion Ratio Lower Upper

244 100

212 6.0 4.9 7.3

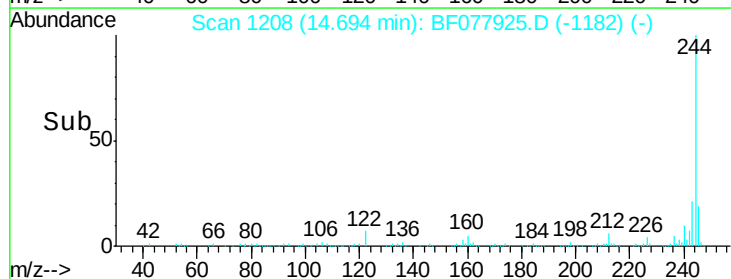
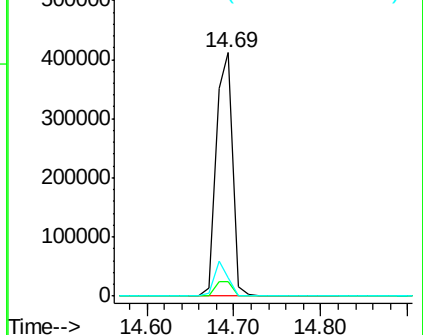
122 7.5 6.2 9.4

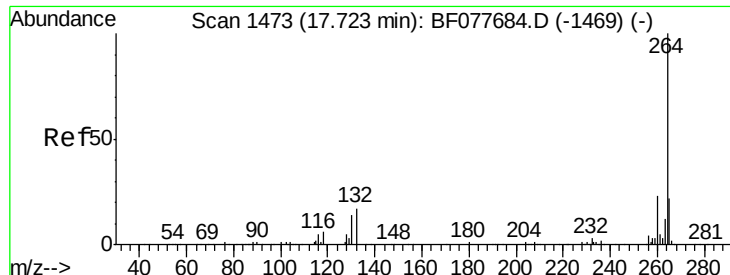


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.76 min Scan# 1476
Delta R.T. 0.06 min
Lab File: BF077925.D
Acq: 24 Mar 2015 21:44

Instrument :
BNA_F
ClientSampleId :
SB-16-1

Tgt Ion: 264 Resp: 179500
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.8 17.3 25.9

