

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077944.D
 Acq On : 25 Mar 2015 8:51
 Operator : TP/IZ
 Sample : G1615-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-2

Quant Time: Mar 25 08:25:33 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 09:01:46 2015
 Response via : Initial Calibration

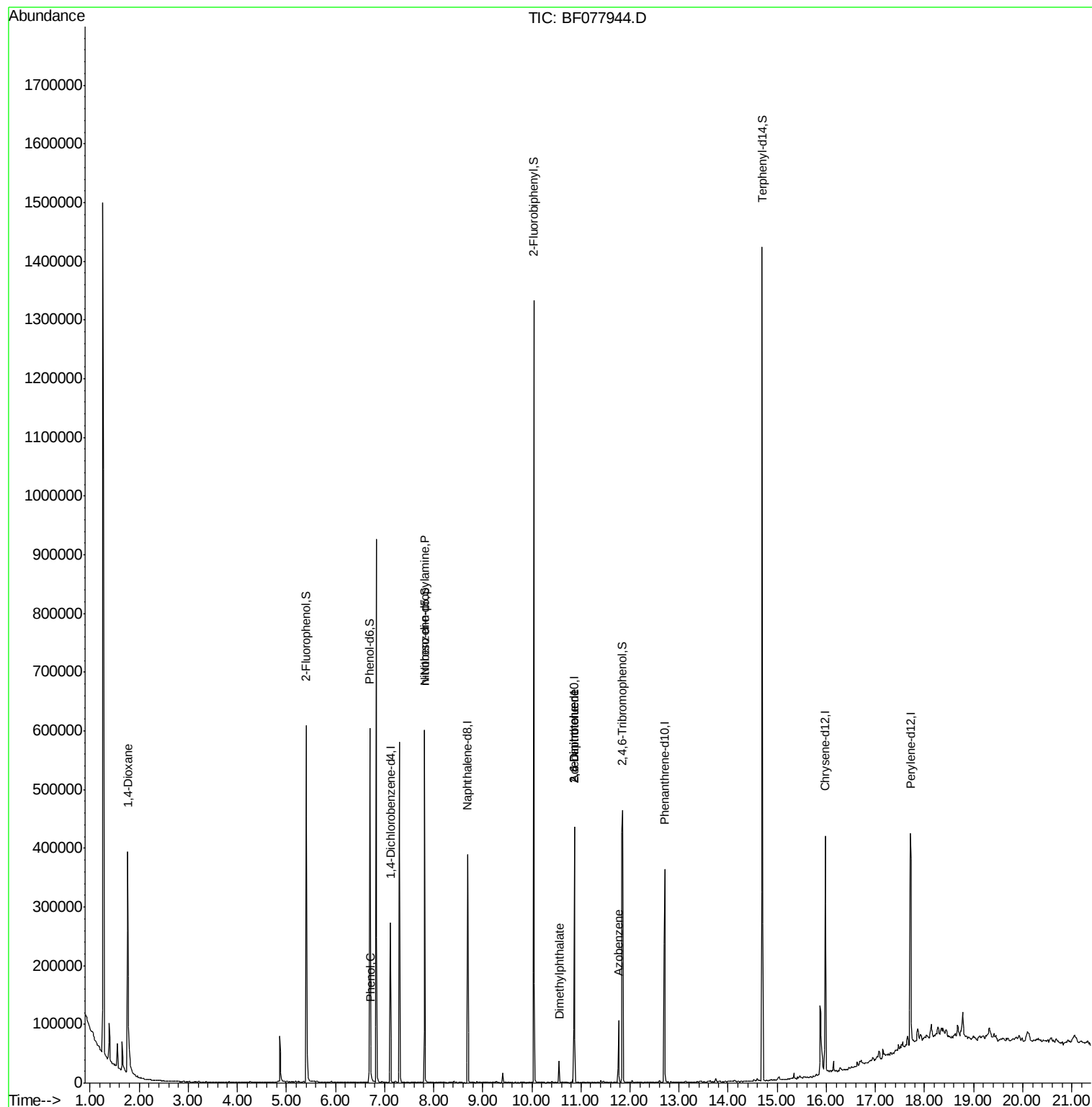
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	44065	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	182324	20.00	ng	0.00
38) Acenaphthene-d10	10.87	164	90631	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	177360	20.00	ng	0.01
75) Chrysene-d12	15.97	240	196218	20.00	ng	-0.01
86) Perylene-d12	17.71	264	193946	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	245692	97.32	ng	0.00
7) Phenol-d6	6.69	99	315288	101.09	ng	0.00
23) Nitrobenzene-d5	7.81	82	183761	66.07	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	79223	91.36	ng	0.01
44) 2-Fluorobiphenyl	10.04	172	415344	67.35	ng	0.00
78) Terphenyl-d14	14.69	244	490933	61.12	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.77	88	16593	14.48	ng	Qvalue # 100
10) Phenol	6.72	94	8987	2.44	ng	79
19) n-Nitroso-di-n-propylamine	7.81	70	22467	10.41	ng	# 80
49) Dimethylphthalate	10.56	163	24328	3.62	ng	96
50) 2,6-Dinitrotoluene	10.87	165	12038	8.64	ng	# 24
56) 2,4-Dinitrotoluene	10.87	165	12039	6.63	ng	# 11
62) Azobenzene	11.77	77	20791	3.32	ng	# 1
76) Benzidine	14.40	184	614	Below Cal		# 68

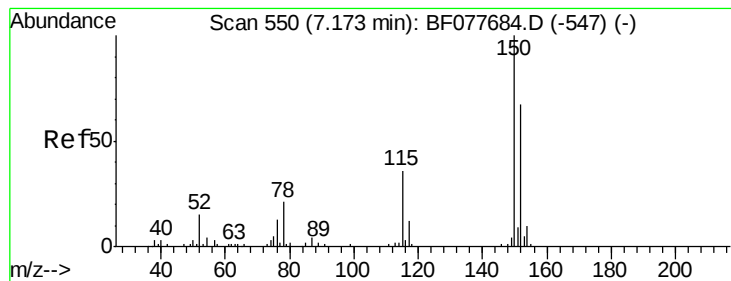
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 25 09:01:46 2015
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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: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

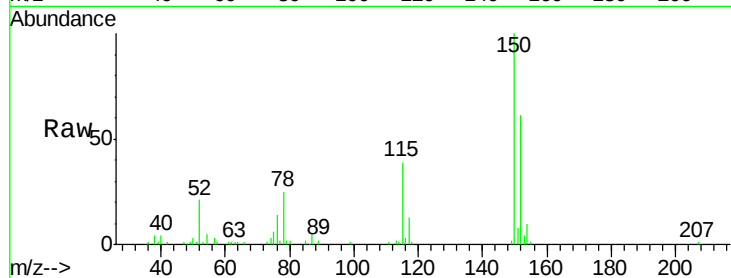
Tgt Ion:152 Resp: 44065

Ion Ratio Lower Upper

152 100

150 162.9 119.5 179.3

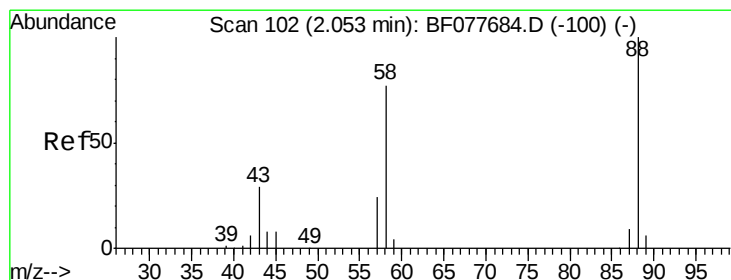
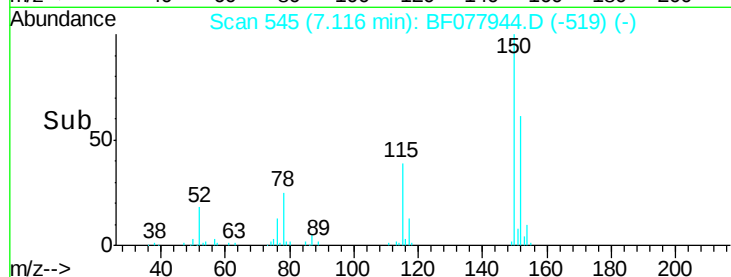
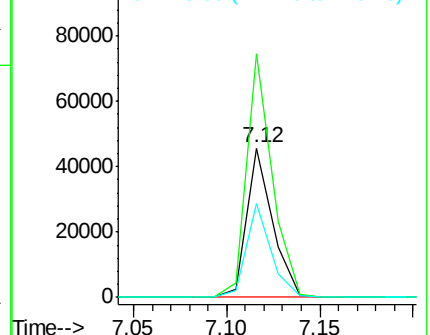
115 63.0 43.0 64.4



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: 14.48 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.22 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

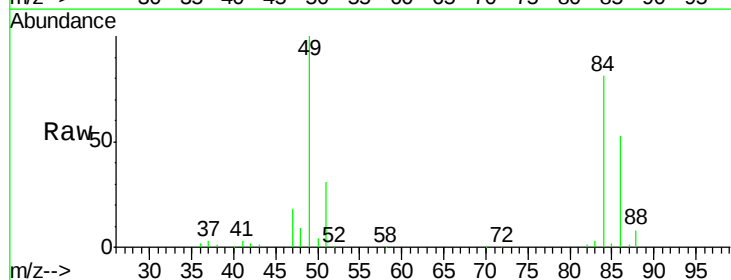
Tgt Ion: 88 Resp: 16593

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

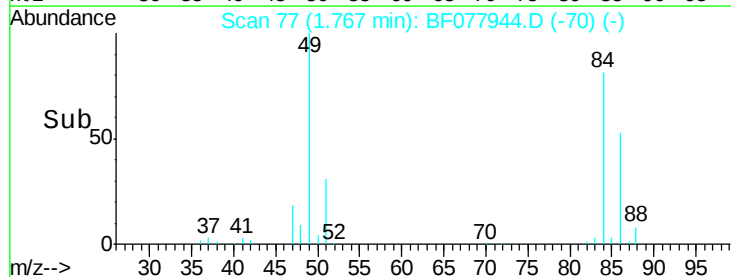
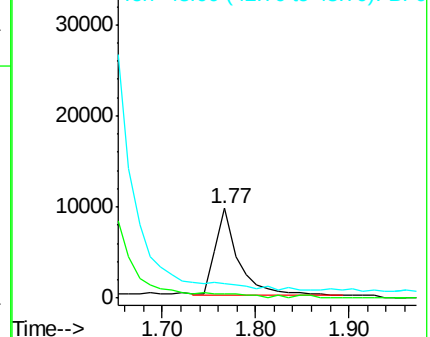
43 0.0 0.0 0.0

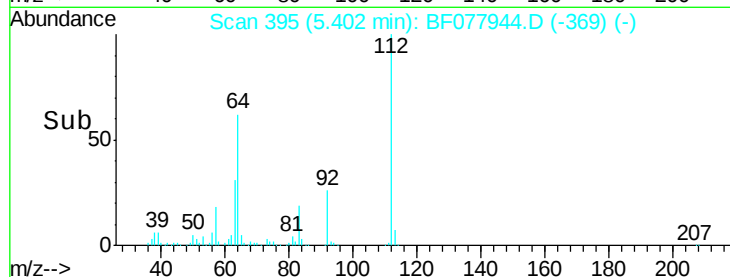
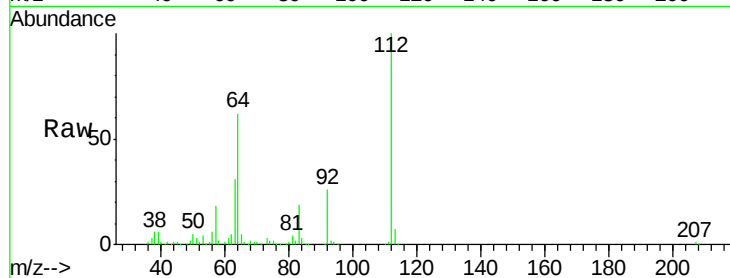
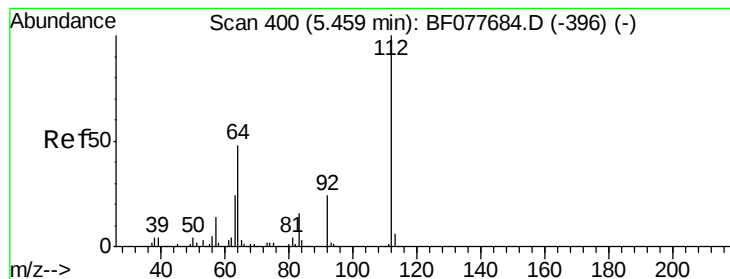


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 97.32 ng

RT: 5.40 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

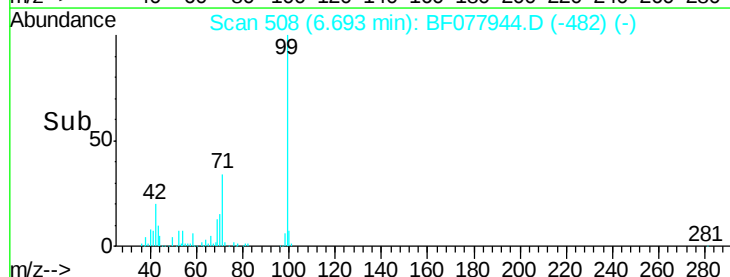
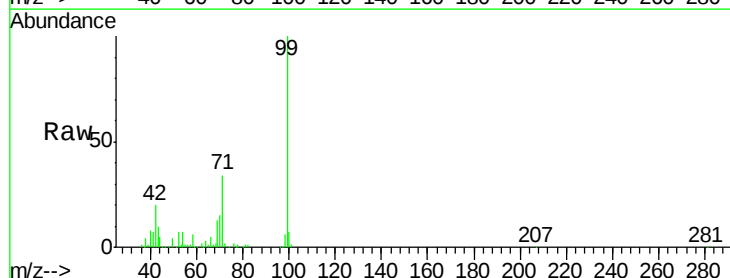
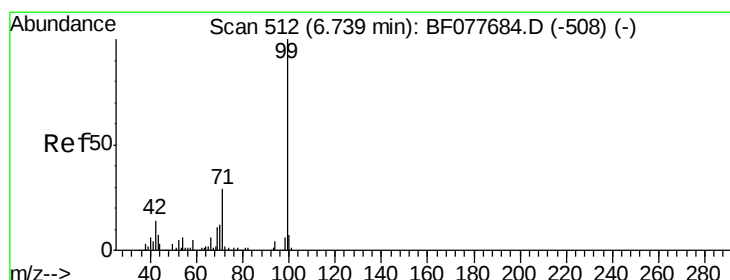
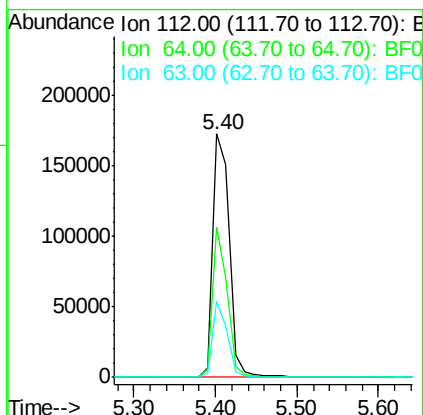
Tgt Ion: 112 Resp: 245692

Ion Ratio Lower Upper

112 100

64 61.7 38.6 57.8#

63 31.4 19.3 28.9#



#7

Phenol-d6

Concen: 101.09 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

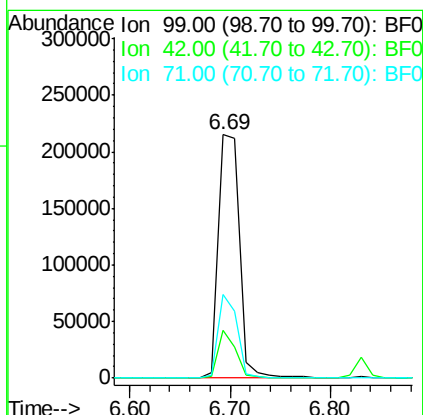
Tgt Ion: 99 Resp: 315288

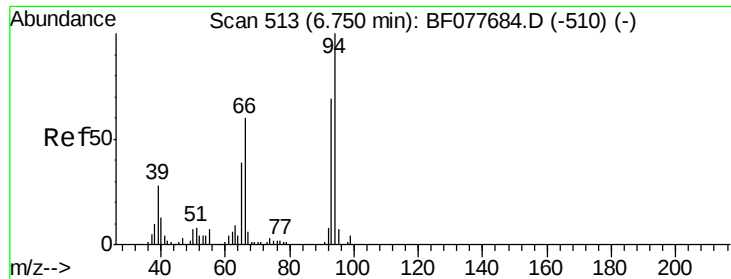
Ion Ratio Lower Upper

99 100

42 19.7 11.0 16.4#

71 34.5 23.4 35.2





#10

Phenol

Concen: 2.44 ng

RT: 6.72 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

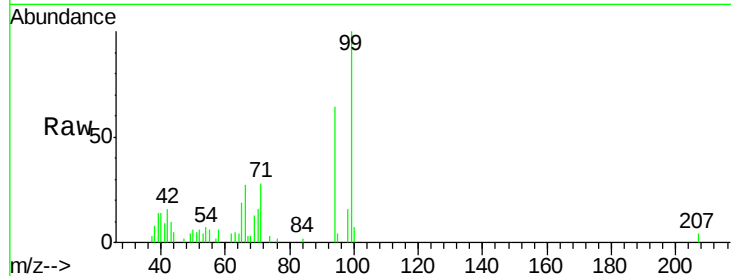
Tgt Ion: 94 Resp: 8987

Ion Ratio Lower Upper

94 100

65 29.3 18.8 58.8

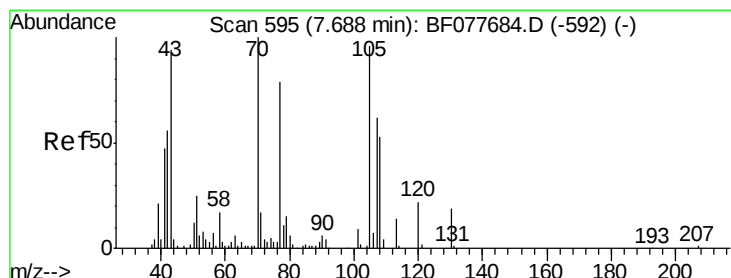
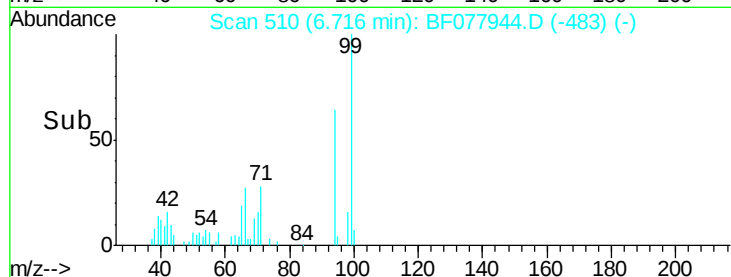
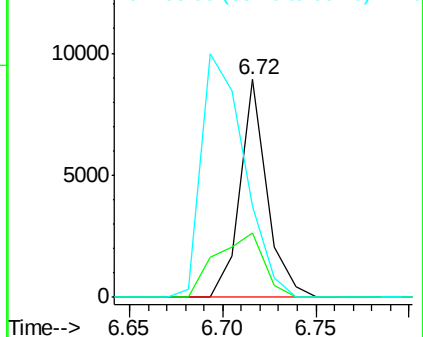
66 41.9 39.9 79.9



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: 10.41 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.17 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Tgt Ion: 70 Resp: 22467

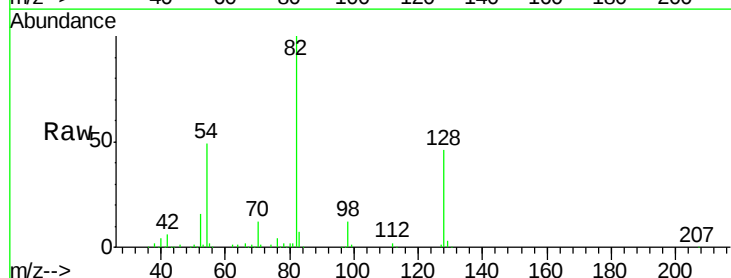
Ion Ratio Lower Upper

70 100

42 46.5 44.5 66.7

101 0.0 7.4 11.2#

130 2.1 15.3 22.9#

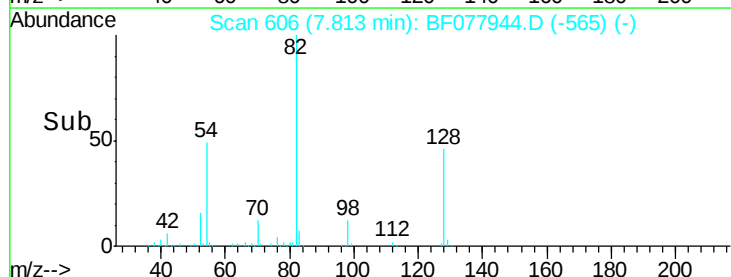
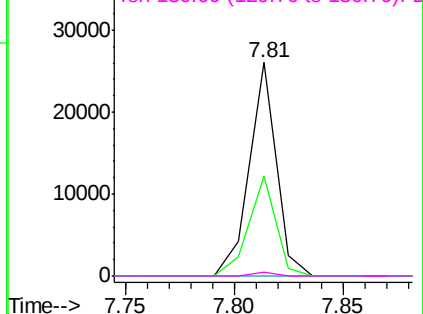


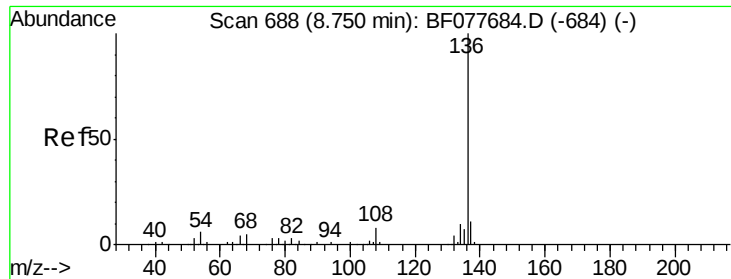
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

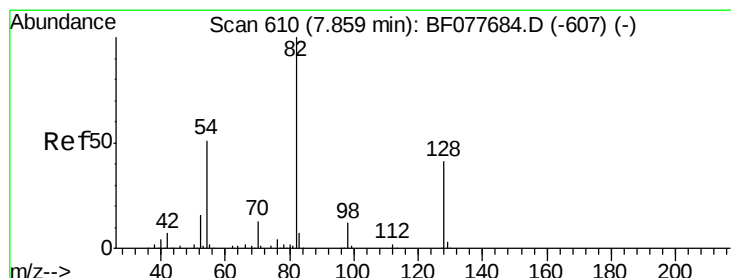
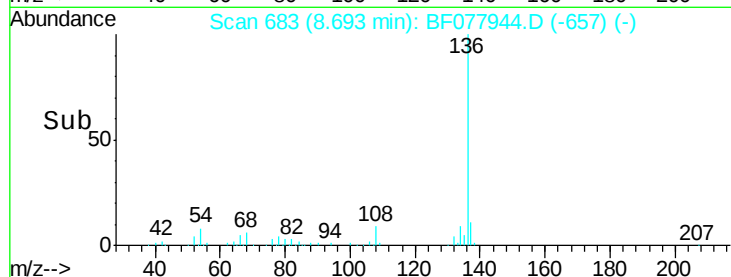
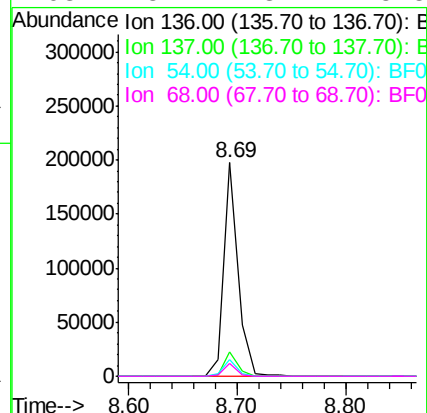
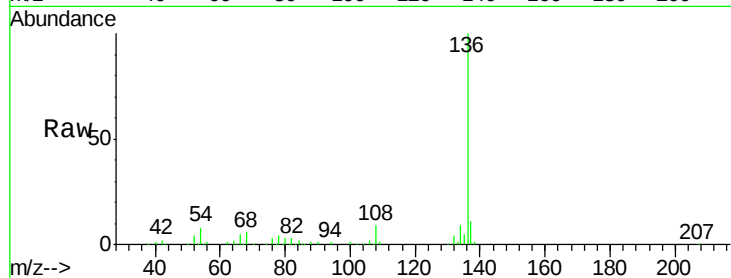




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.69 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF077944.D
Acq: 25 Mar 2015 8:51

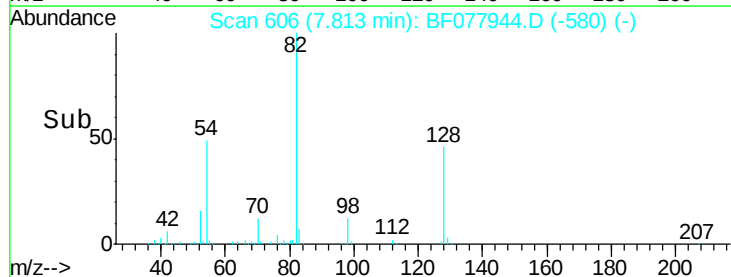
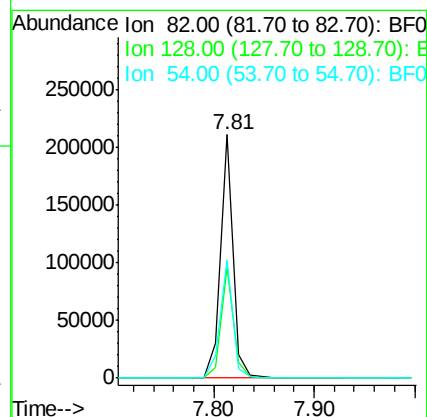
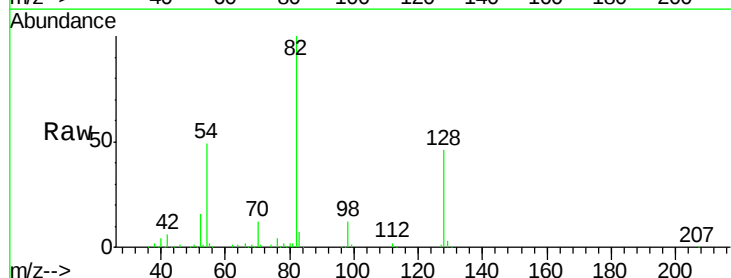
Instrument :
BNA_F
ClientSampleId :
SB-15-2

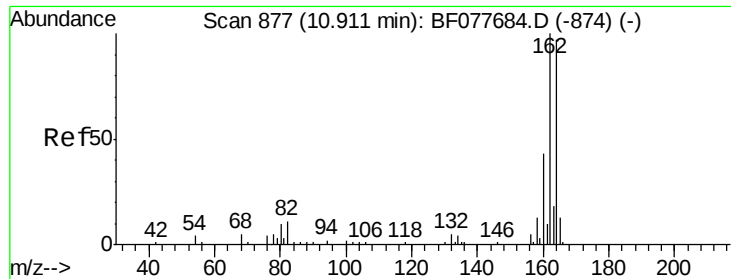
Tgt Ion:	136	Resp:	182324
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.7	4.6	6.8#
68	5.7	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 66.07 ng
RT: 7.81 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF077944.D
Acq: 25 Mar 2015 8:51

Tgt Ion:	82	Resp:	183761
Ion	Ratio	Lower	Upper
82	100		
128	45.5	32.8	49.2
54	48.6	40.6	60.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.87 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

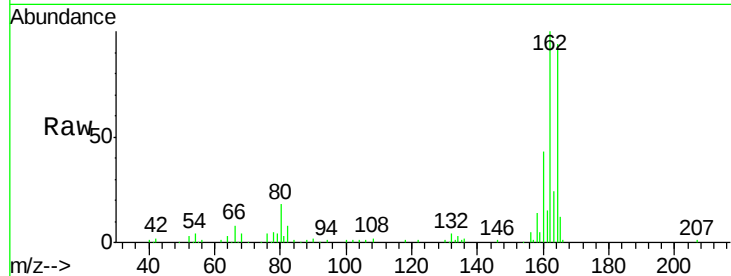
Tgt Ion:164 Resp: 90631

Ion Ratio Lower Upper

164 100

162 106.1 82.4 123.6

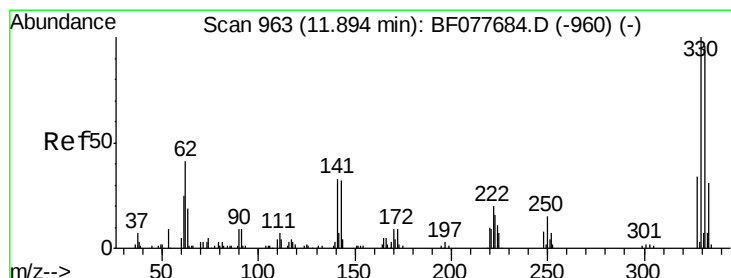
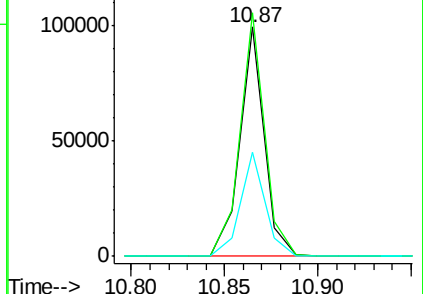
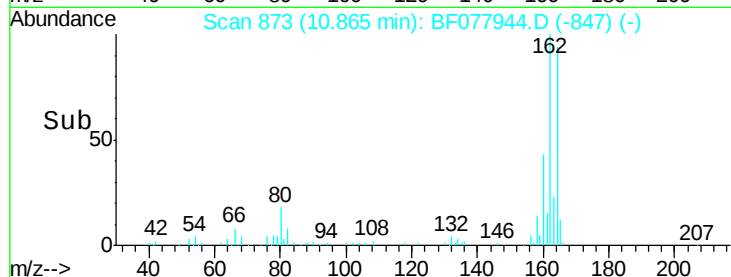
160 45.5 35.8 53.6



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: 91.36 ng

RT: 11.85 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

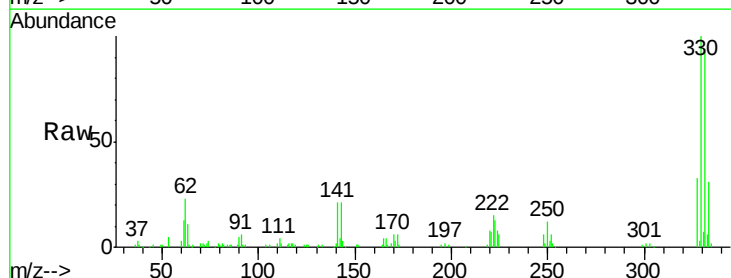
Tgt Ion:330 Resp: 79223

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

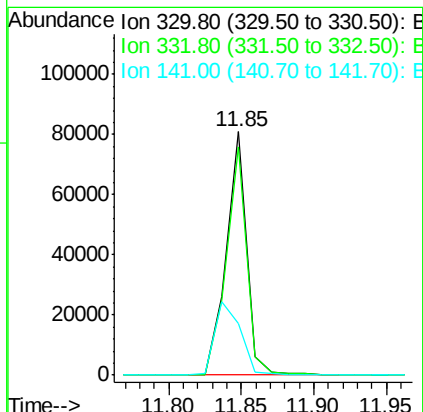
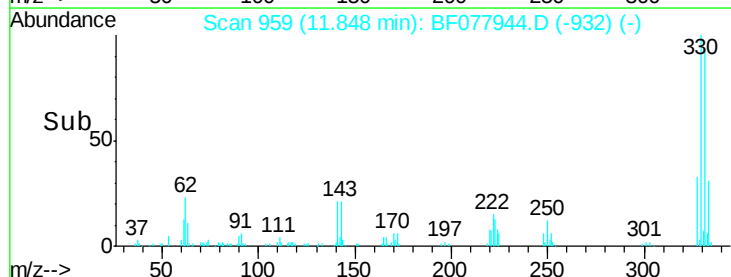
141 37.6 0.0 0.0#

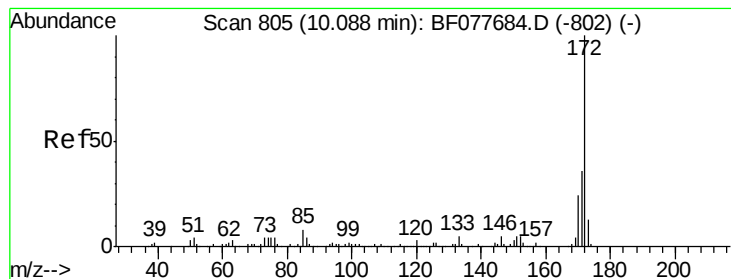


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 67.35 ng

RT: 10.04 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

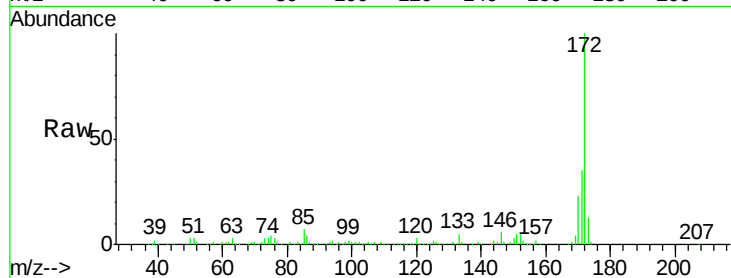
Tgt Ion:172 Resp: 415344

Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

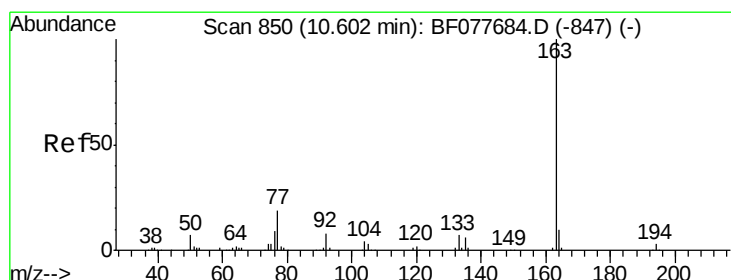
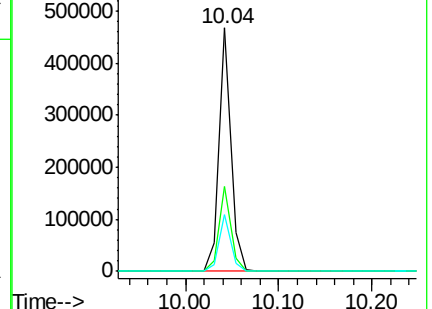
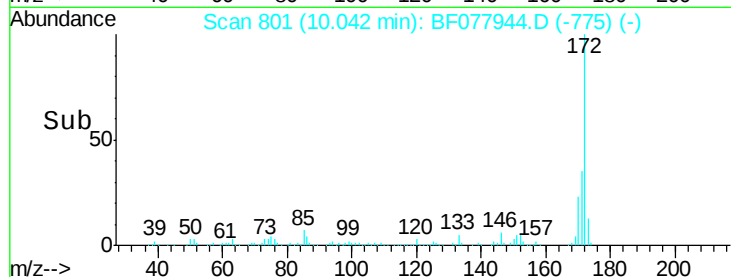
170 23.1 18.8 28.2



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: 3.62 ng

RT: 10.56 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

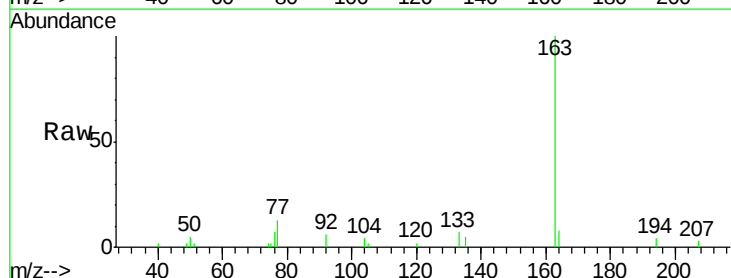
Tgt Ion:163 Resp: 24328

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

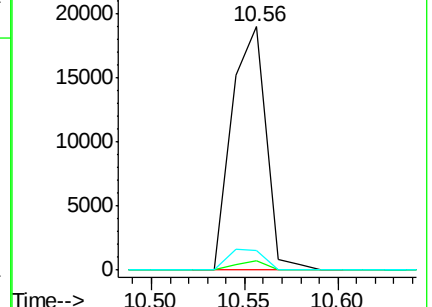
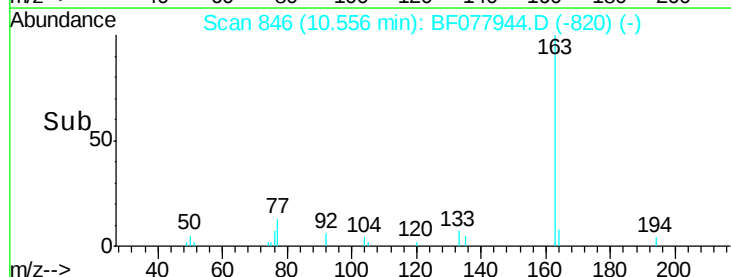
164 8.2 8.2 12.2

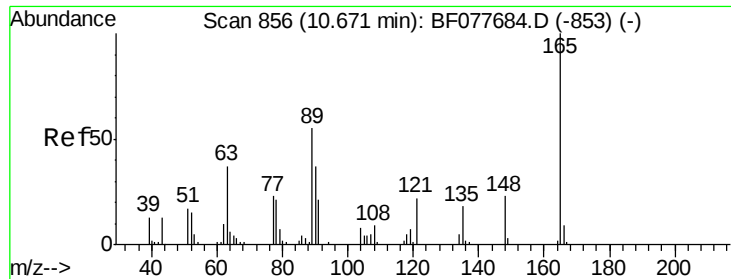


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

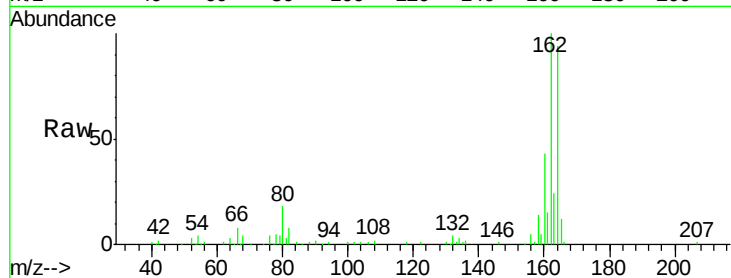




#50
2,6-Dinitrotoluene
Concen: 8.64 ng
RT: 10.87 min Scan# 873
Delta R.T. 0.24 min
Lab File: BF077944.D
Acq: 25 Mar 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-15-2

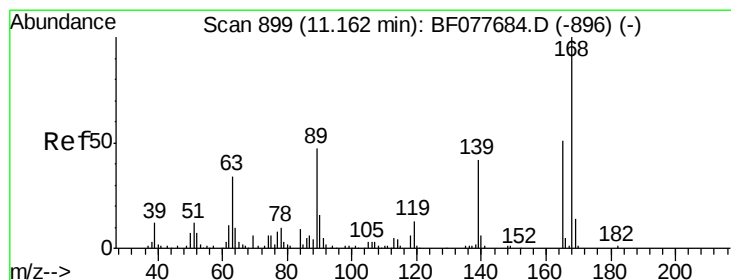
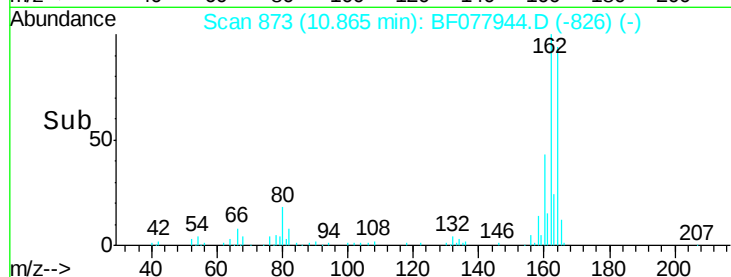
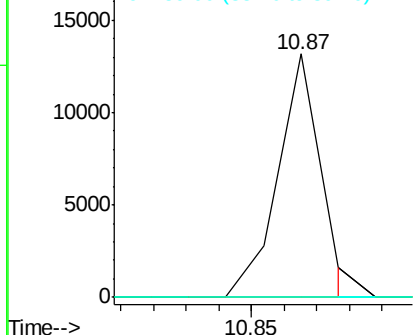
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



Abundance Ion 165.00 (164.70 to 165.70): E

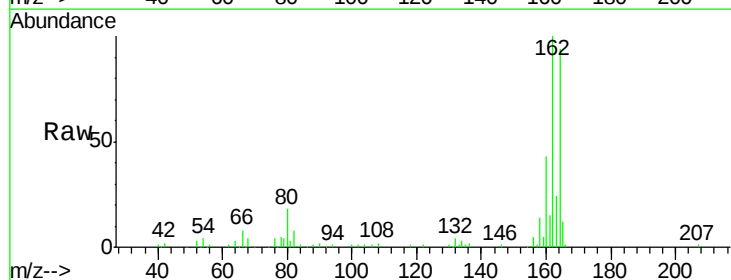
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 6.63 ng
RT: 10.87 min Scan# 873
Delta R.T. -0.25 min
Lab File: BF077944.D
Acq: 25 Mar 2015 8:51

Tgt 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#

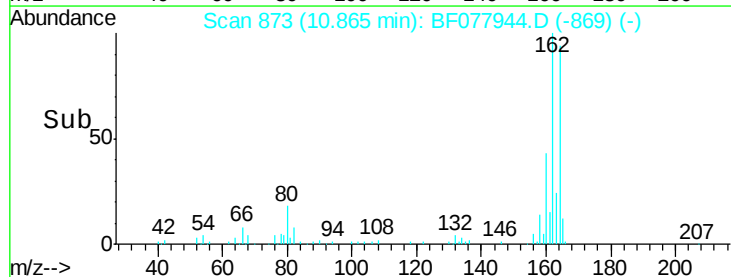
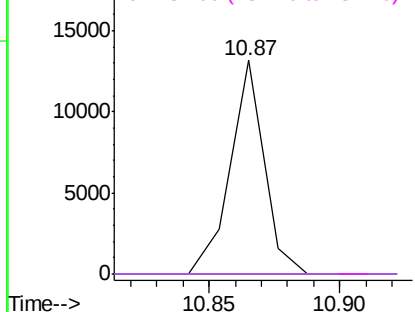


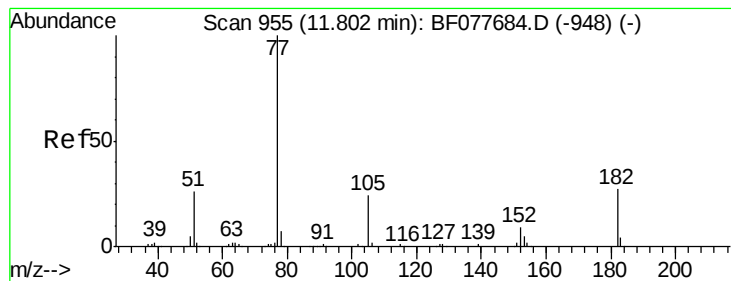
Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.32 ng

RT: 11.77 min Scan# 952

Delta R.T. 0.02 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

Tgt Ion: 77 Resp: 20791

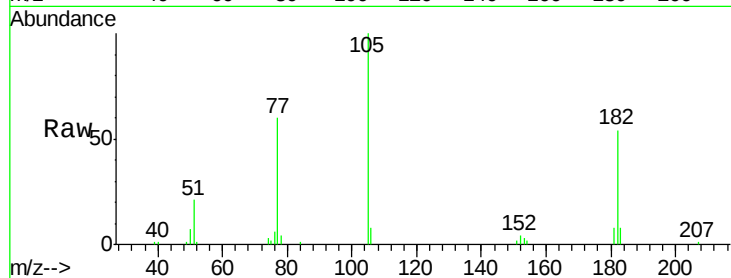
Ion Ratio Lower Upper

77 100

182 90.4 6.5 46.5#

105 165.8 3.8 43.8#

51 34.9 5.5 45.5

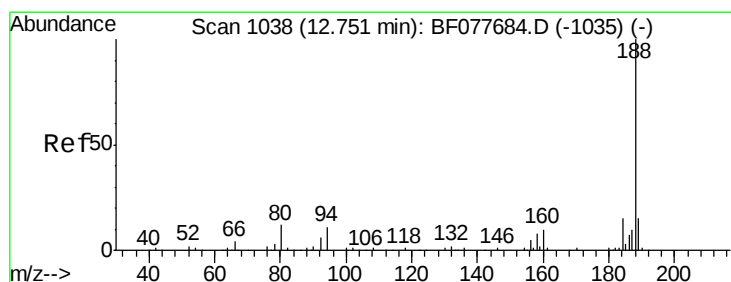
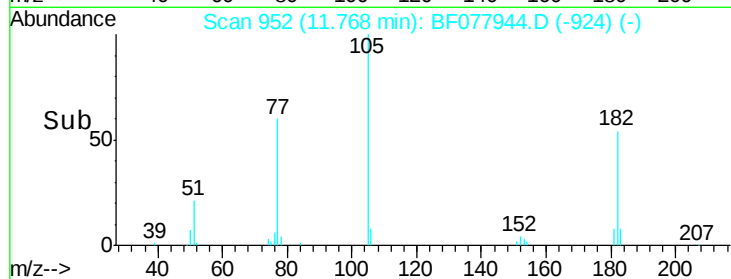
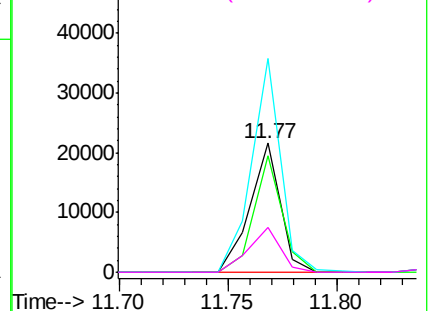


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.71 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

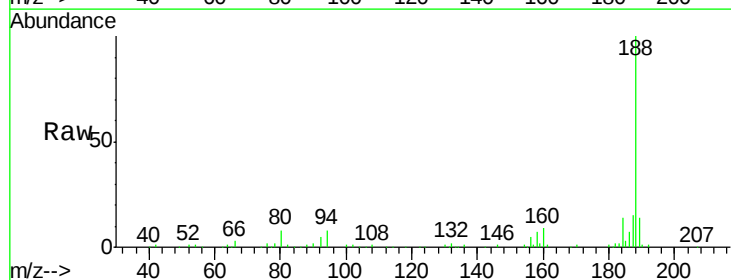
Tgt Ion: 188 Resp: 177360

Ion Ratio Lower Upper

188 100

94 7.9 8.7 13.1#

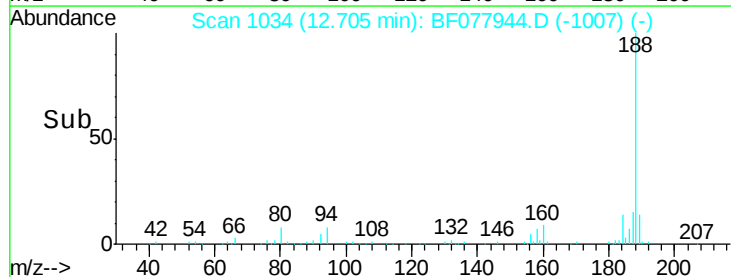
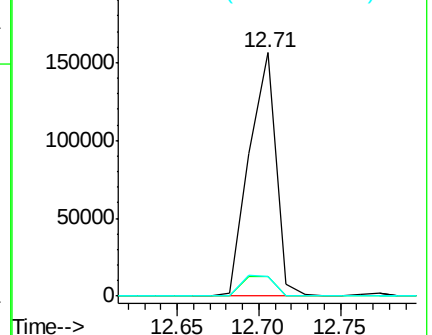
80 7.9 9.3 13.9#

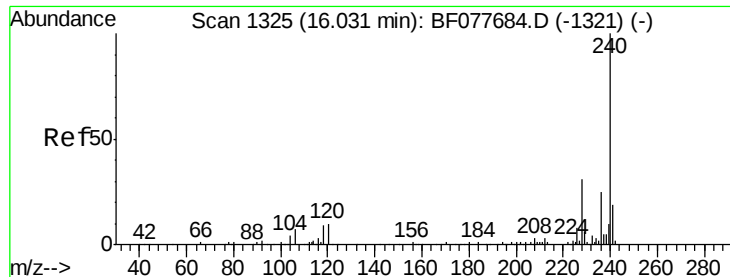


Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.97 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-15-2

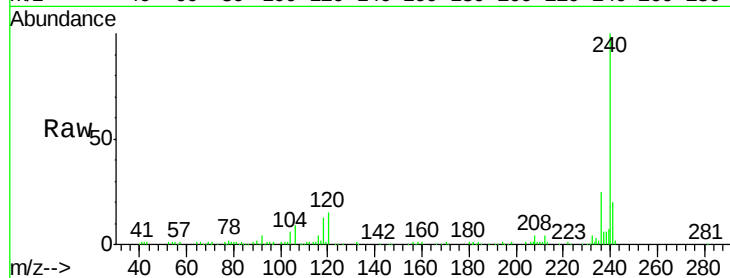
Tgt Ion:240 Resp: 196218

Ion Ratio Lower Upper

240 100

120 15.0 8.2 12.2#

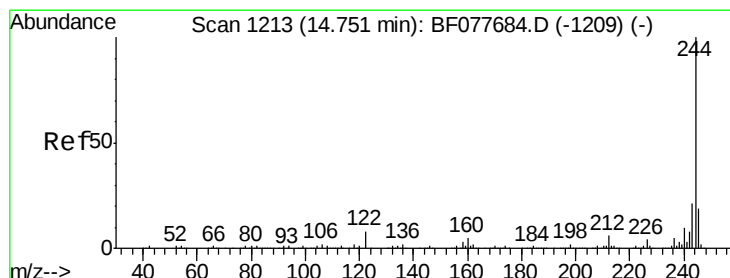
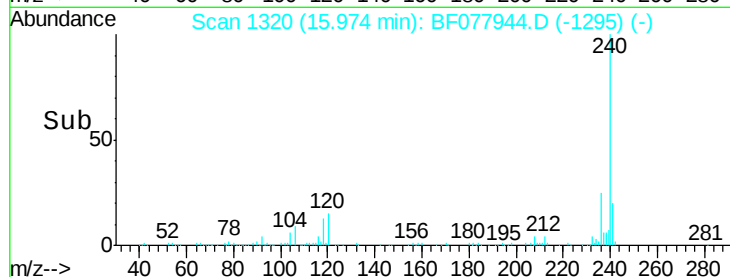
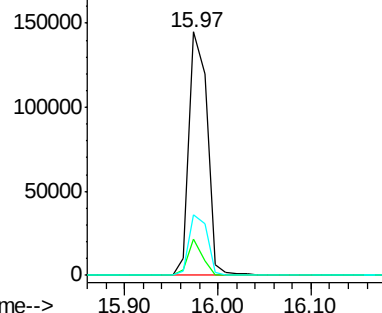
236 24.8 20.0 30.0



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: 61.12 ng

RT: 14.69 min Scan# 1208

Delta R.T. 0.00 min

Lab File: BF077944.D

Acq: 25 Mar 2015 8:51

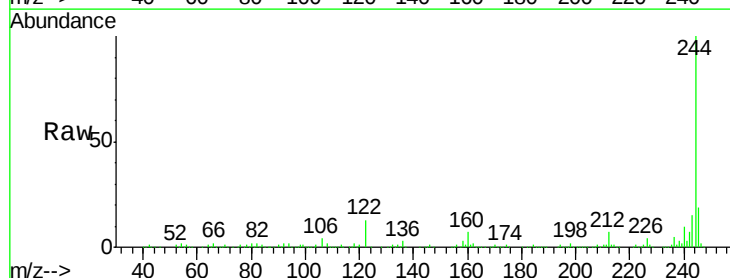
Tgt Ion:244 Resp: 490933

Ion Ratio Lower Upper

244 100

212 6.6 4.9 7.3

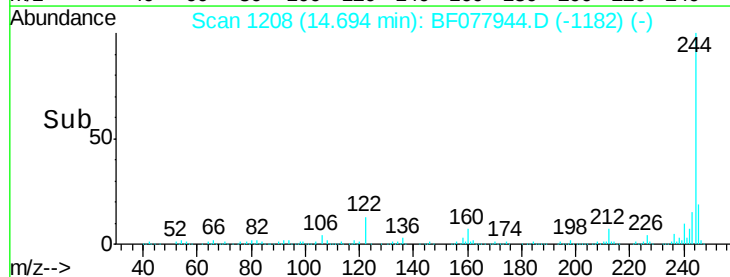
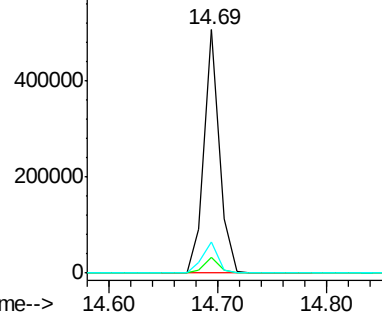
122 12.6 6.2 9.4#

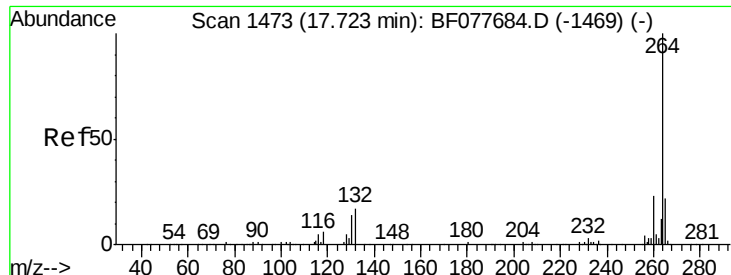


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

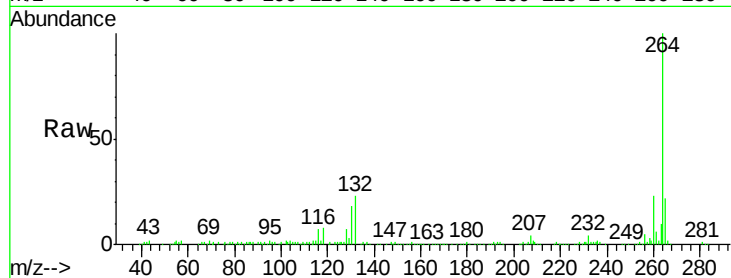




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1472
Delta R.T. -0.03 min
Lab File: BF077944.D
Acq: 25 Mar 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-15-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.7	17.3	25.9



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

