

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077524.D
 Acq On : 2 Mar 2015 16:05
 Operator : TP/IZ
 Sample : G1399-14 5X
 Misc : S
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Quant Time: Mar 03 00:01:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	105257	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	406005	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	206617	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	404382	20.00	ng	0.00
75) Chrysene-d12	16.15	240	441342	20.00	ng	0.00
86) Perylene-d12	17.88	264	471909	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	14561	2.31	ng	0.00
7) Phenol-d6	6.81	99	17192	2.12	ng	0.00
23) Nitrobenzene-d5	7.94	82	19133	2.93	ng	-0.01
41) 2,4,6-Tribromophenol	11.99	330	4310	2.17	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	29476	2.22	ng	0.00
78) Terphenyl-d14	14.85	244	33028	1.75	ng	0.00

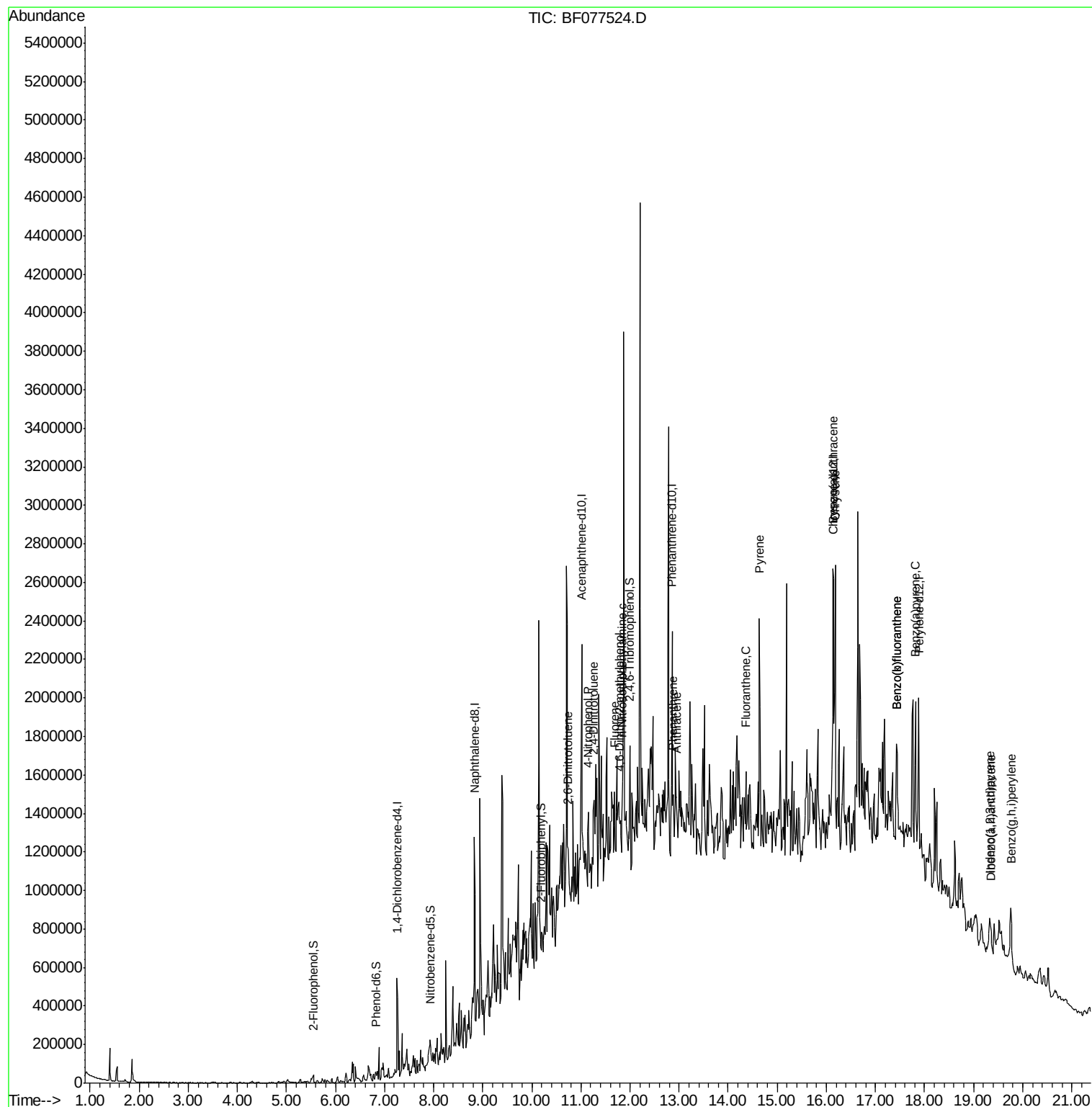
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	10.74	165	5972	2.05	ng	# 65
55) 4-Nitrophenol	11.16	139	10199	3.78	ng	# 1
56) 2,4-Dinitrotoluene	11.27	165	9073	2.31	ng	# 67
57) Fluorene	11.69	166	47545	3.32	ng	# 86
64) 4,6-Dinitro-2-methylphenol	11.79	198	1116	4.35	ng	# 1
65) n-Nitrosodiphenylamine	11.84	169	126598	9.44	ng	# 60
70) Phenanthrene	12.88	178	193092	8.24	ng	# 92
71) Anthracene	12.94	178	82503	3.55	ng	# 80
74) Fluoranthene	14.37	202	176181	6.88	ng	# 95
77) Pyrene	14.64	202	619660	22.95	ng	# 96
80) Benzo(a)anthracene	16.13	228	534033	20.65	ng	# 90
82) Chrysene	16.18	228	593982	24.46	ng	# 89
85) Indeno(1,2,3-cd)pyrene	19.33	276	109249	3.94	ng	# 86
87) Benzo(b)fluoranthene	17.44	252	346057	12.61	ng	# 89
88) Benzo(k)fluoranthene	17.44	252	349112	12.98	ng	# 95
89) Benzo(a)pyrene	17.81	252	376222	14.39	ng	# 95
90) Dibenzo(a,h)anthracene	19.35	278	116834	4.69	ng	# 82
91) Benzo(g,h,i)perylene	19.76	276	211665	8.41	ng	# 98

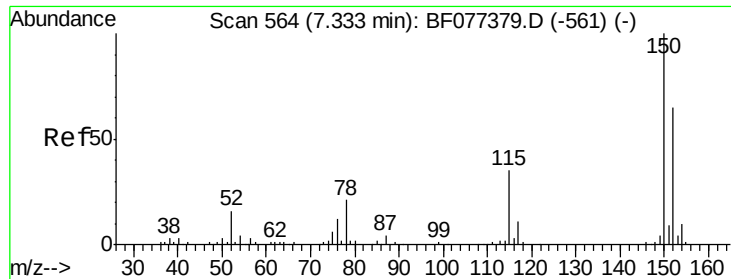
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 557

Delta R.T. -0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

ClientSampleId :

SB4(13-14)

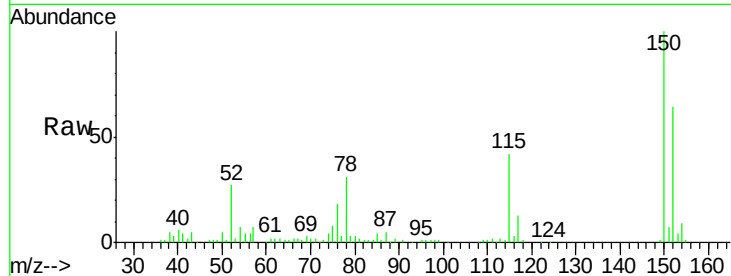
Tgt Ion:152 Resp: 105257

Ion Ratio Lower Upper

152 100

150 157.3 124.0 186.0

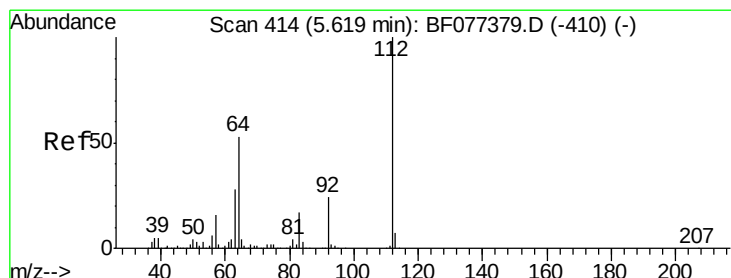
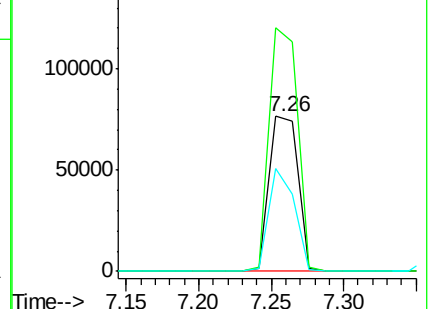
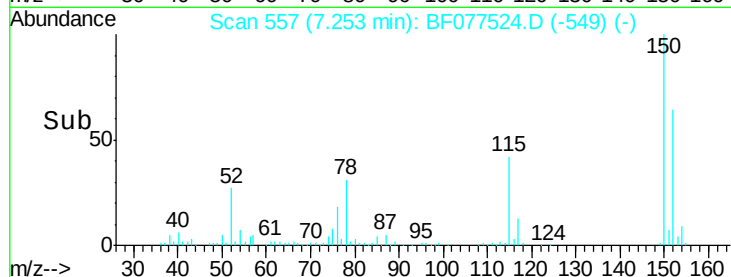
115 66.7 49.4 74.2



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: 2.31 ng

RT: 5.55 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

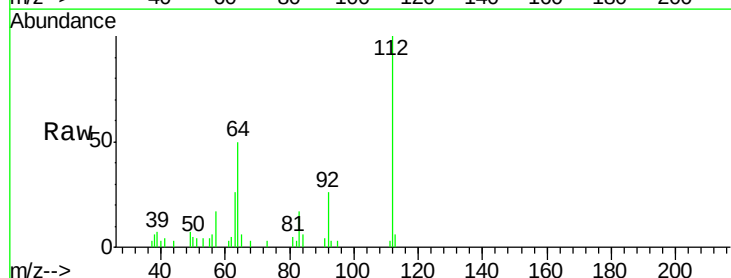
Tgt Ion:112 Resp: 14561

Ion Ratio Lower Upper

112 100

64 50.4 48.5 72.7

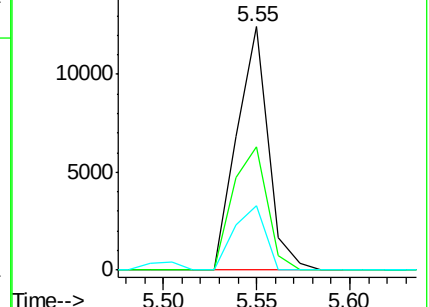
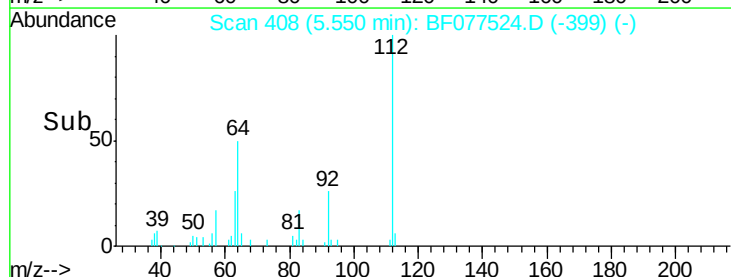
63 26.2 25.0 37.4

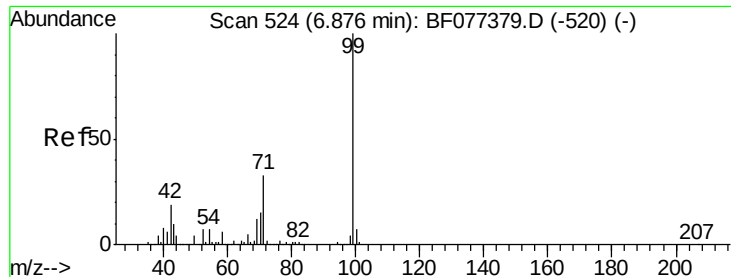


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.12 ng

RT: 6.81 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

ClientSampleId :

SB4(13-14)

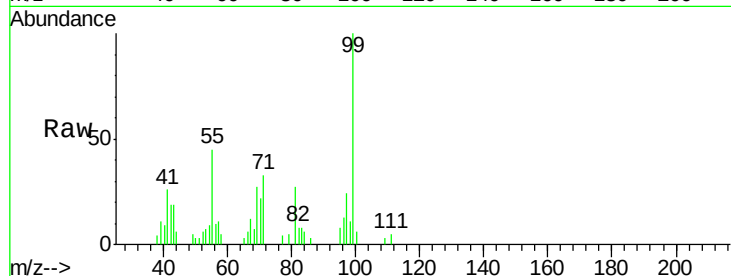
Tgt Ion: 99 Resp: 17192

Ion Ratio Lower Upper

99 100

42 18.7 16.2 24.4

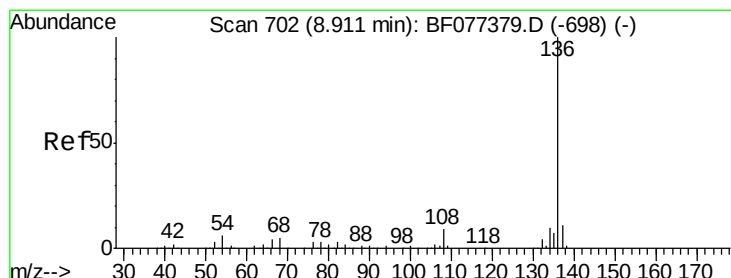
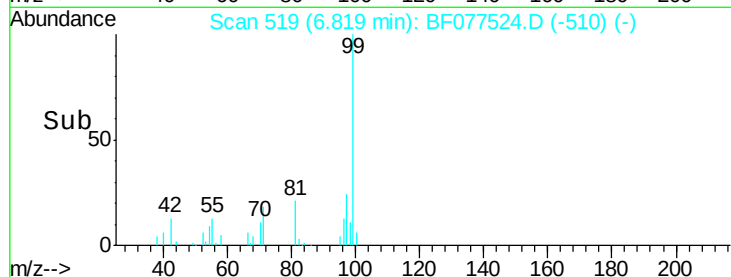
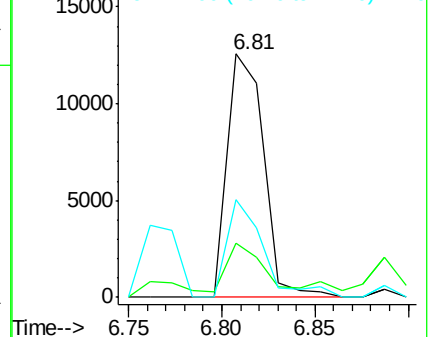
71 32.7 26.7 40.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Tgt Ion: 136 Resp: 406005

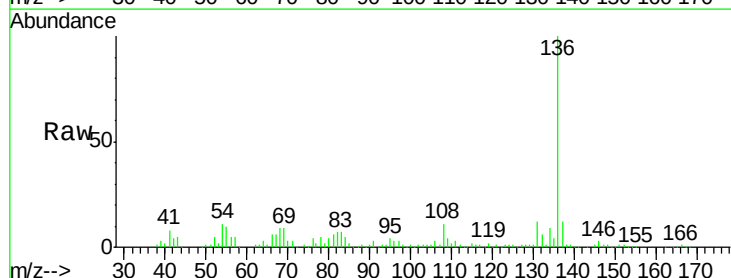
Ion Ratio Lower Upper

136 100

137 11.9 8.6 13.0

54 10.6 6.2 9.4#

68 8.7 5.0 7.6#

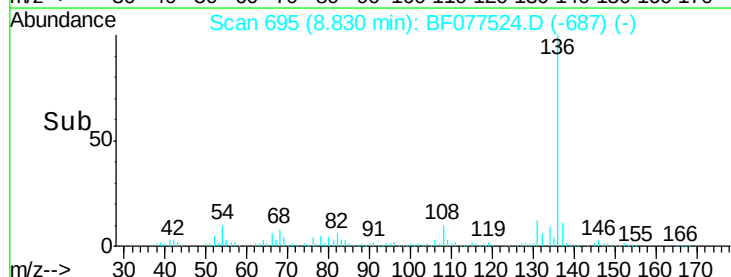
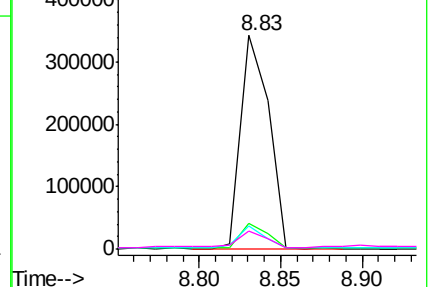


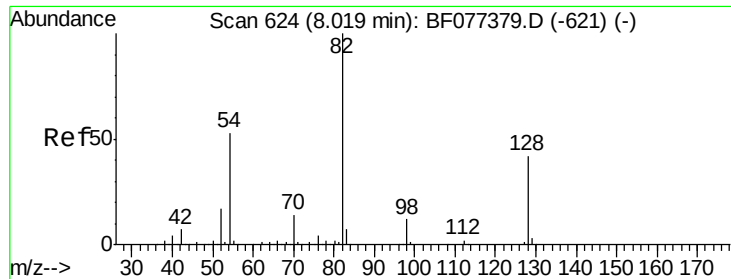
Abundance Ion 136.00 (135.70 to 136.70): E

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

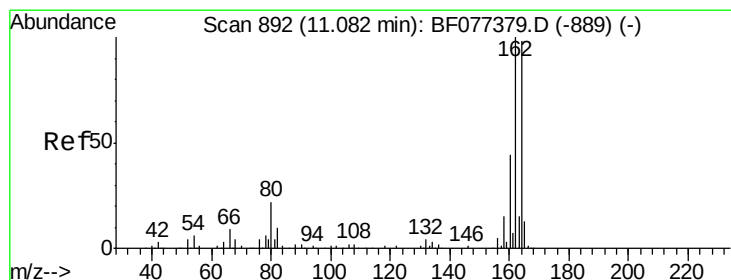
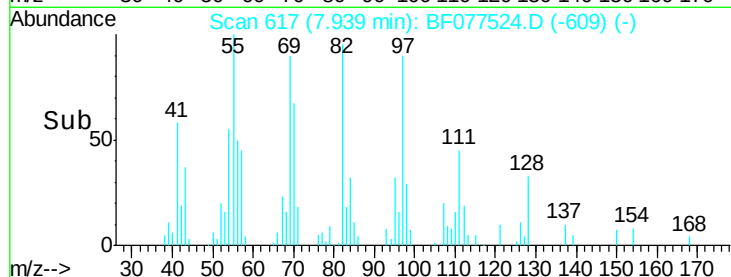
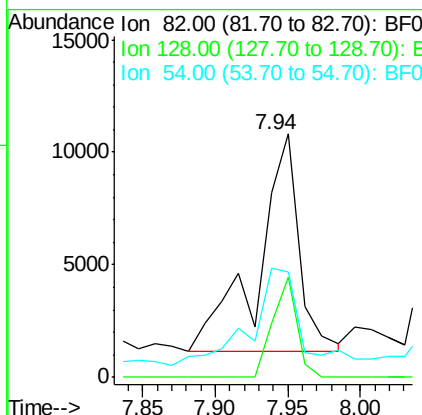
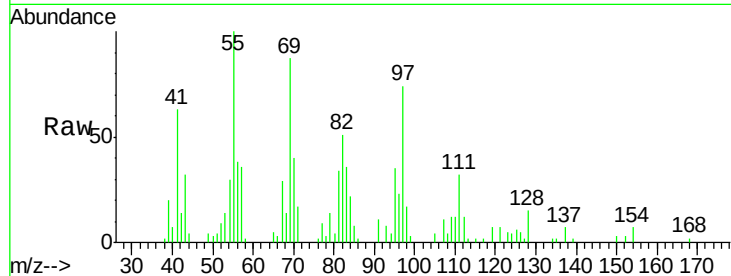




#23
 Nitrobenzene-d5
 Concen: 2.93 ng
 RT: 7.94 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

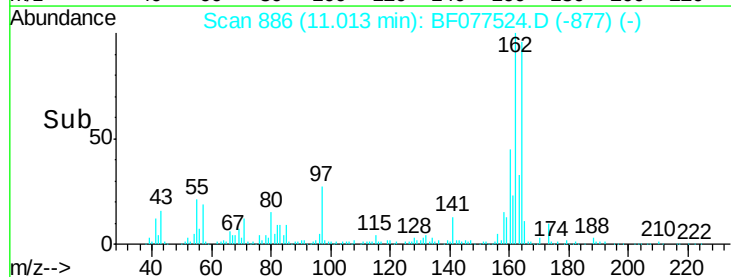
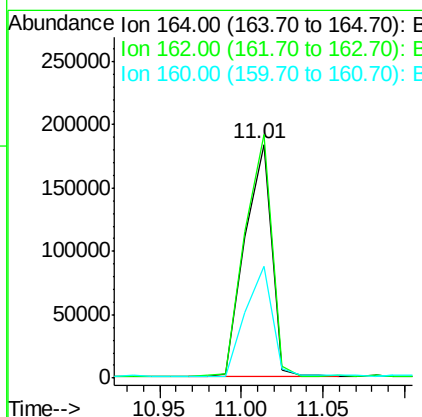
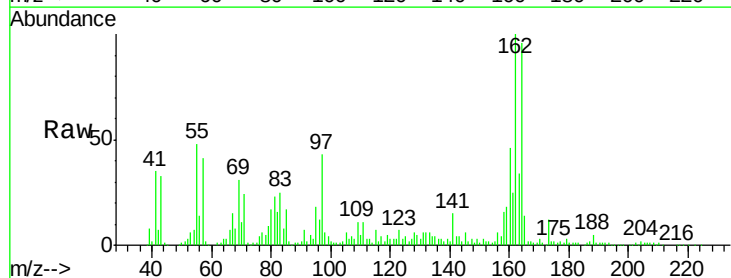
Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

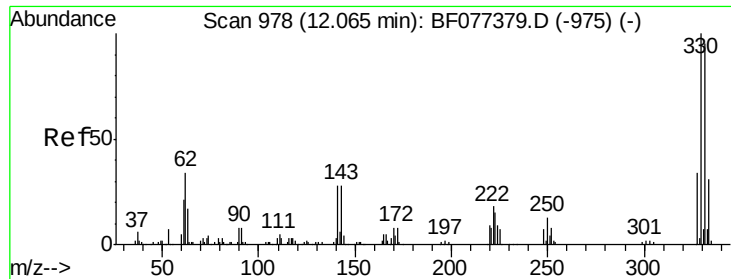
Tgt Ion	Resp	Lower	Upper
82	19133		
128	29.3	43.8	65.8#
54	59.0	36.7	55.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion	Resp	Lower	Upper
164	206617		
162	104.1	83.2	124.8
160	47.6	34.6	52.0

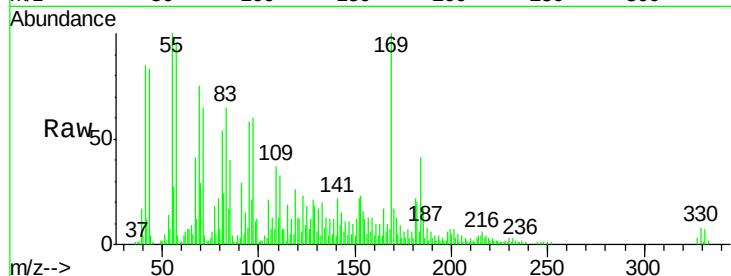




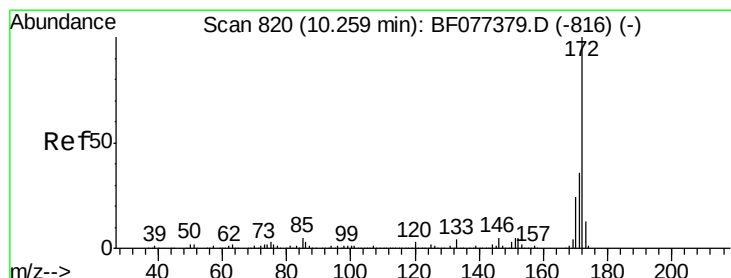
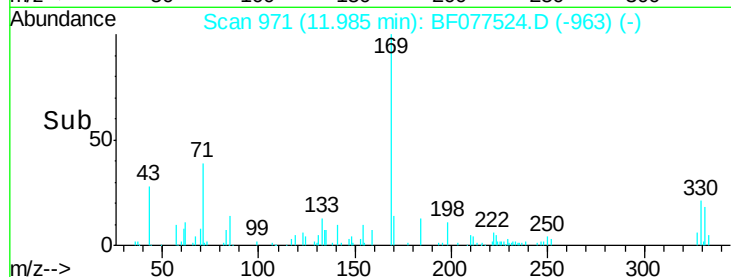
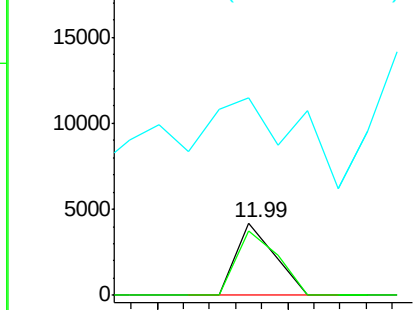
#41
 2,4,6-Tribromophenol
 Concen: 2.17 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Tgt Ion:330 Resp: 4310
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 362.2 28.8 43.2#

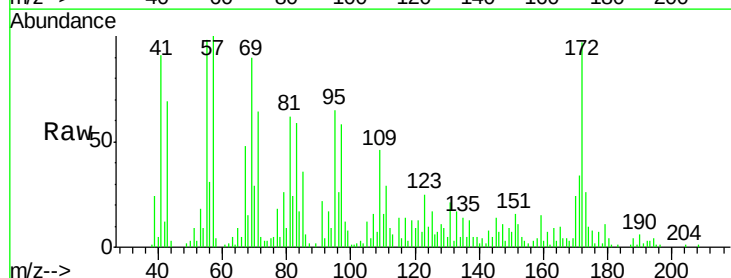


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

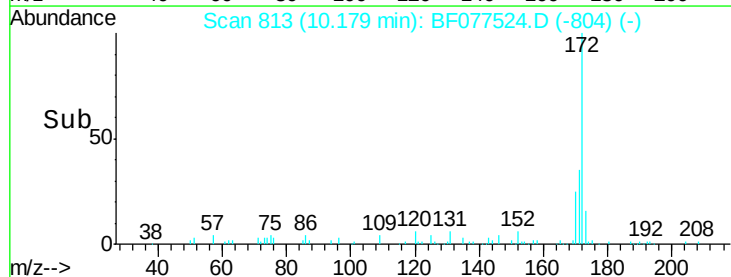
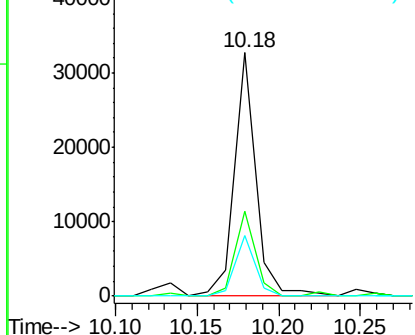


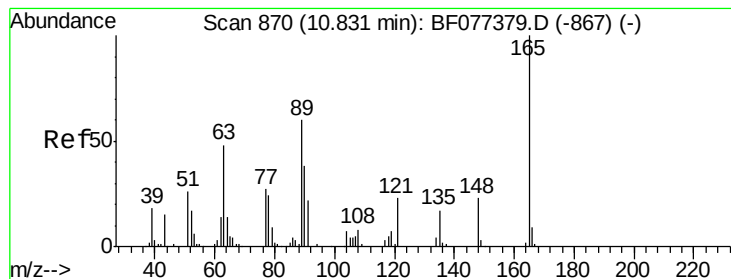
#44
 2-Fluorobiphenyl
 Concen: 2.22 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion:172 Resp: 29476
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 25.0 19.4 29.2



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





#50

2,6-Dinitrotoluene

Concen: 2.05 ng

RT: 10.74 min Scan# 863

Delta R.T. -0.02 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

ClientSampleId :

SB4(13-14)

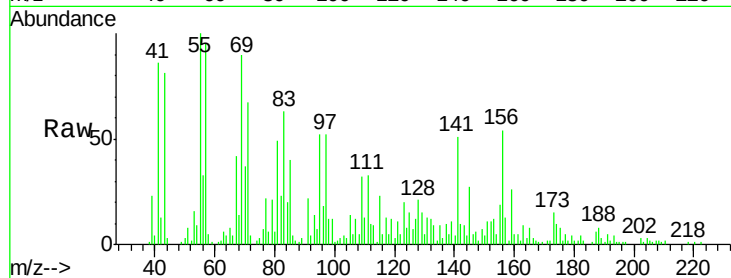
Tgt Ion:165 Resp: 5972

Ion Ratio Lower Upper

165 100

63 73.0 25.2 37.8#

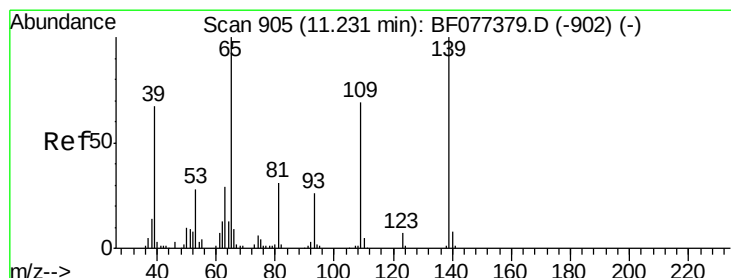
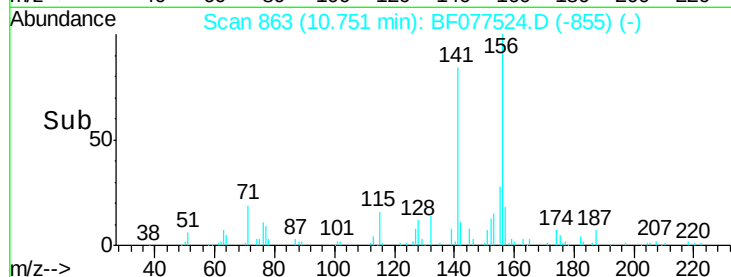
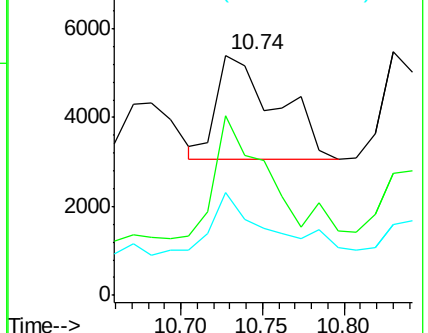
89 36.4 30.5 45.7



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



#55

4-Nitrophenol

Concen: 3.78 ng

RT: 11.16 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

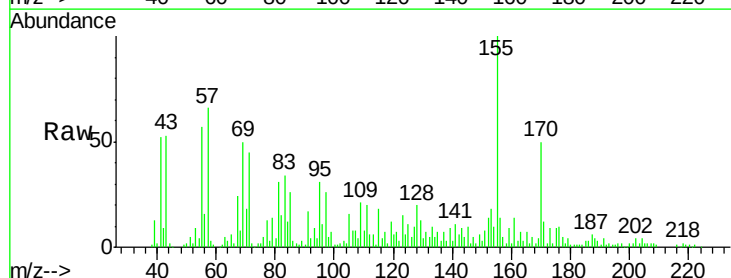
Tgt Ion:139 Resp: 10199

Ion Ratio Lower Upper

139 100

109 237.4 36.2 76.2#

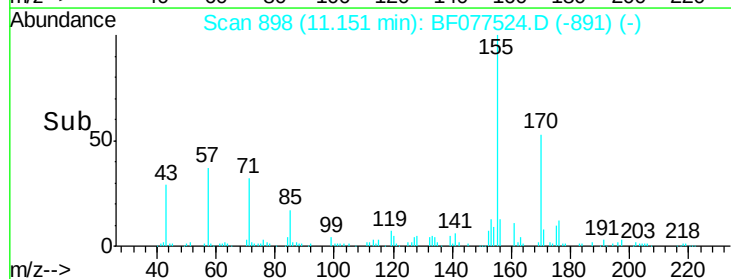
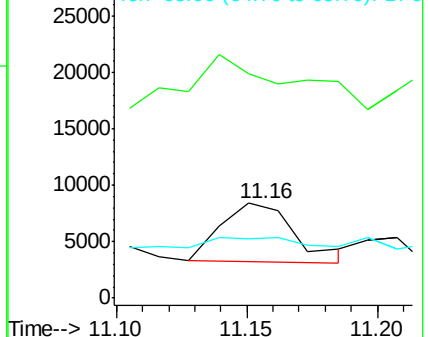
65 62.8 40.3 80.3

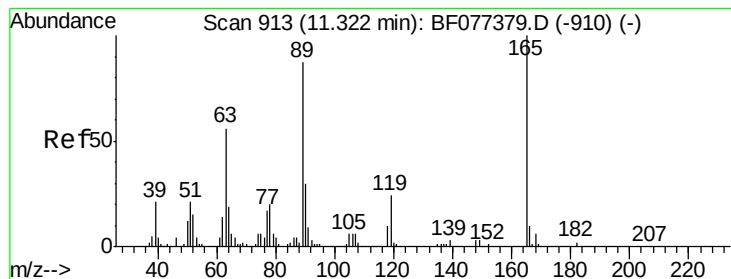


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 2.31 ng

RT: 11.27 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

ClientSampleId :

SB4(13-14)

Tgt Ion:165 Resp: 9073

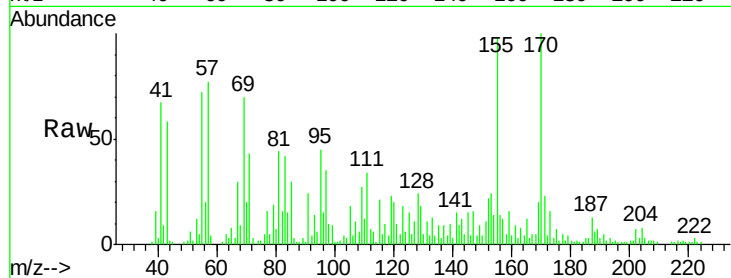
Ion Ratio Lower Upper

165 100

63 43.0 29.8 44.8

89 24.4 48.5 72.7#

182 13.1 1.9 2.9#

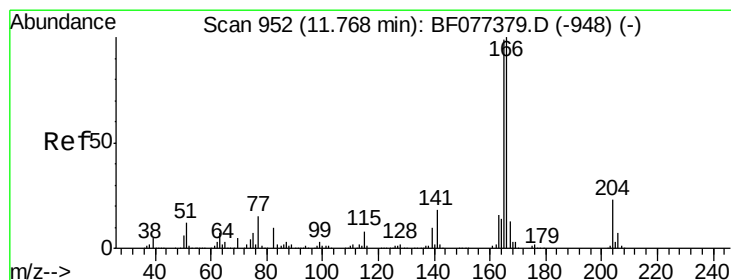
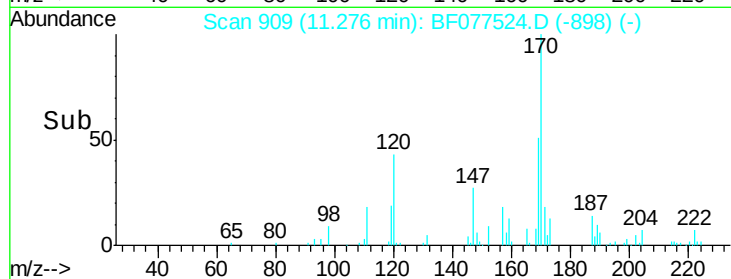
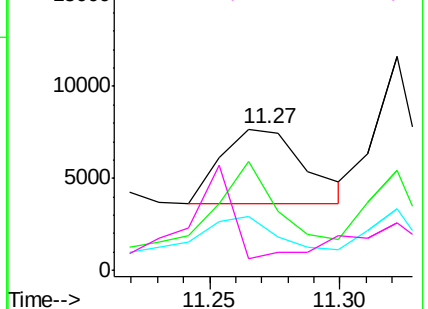


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 3.32 ng

RT: 11.69 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

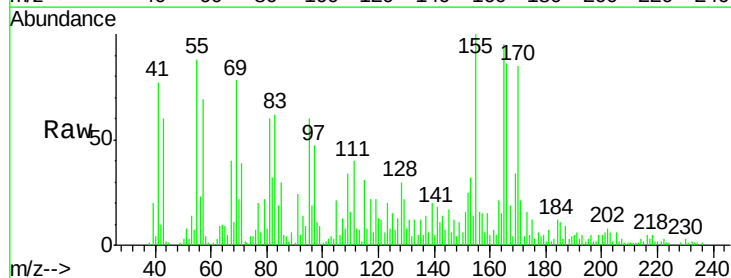
Tgt Ion:166 Resp: 47545

Ion Ratio Lower Upper

166 100

165 109.7 77.6 116.4

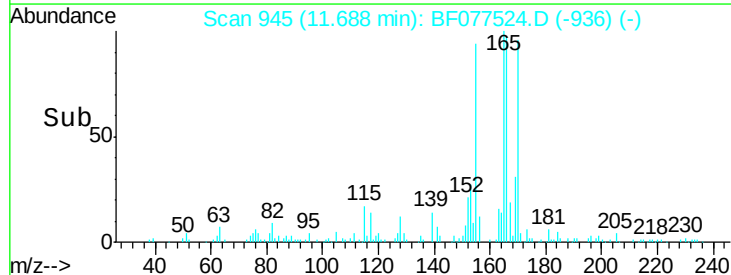
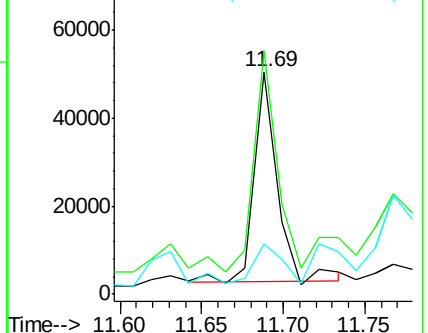
167 22.5 10.6 16.0#

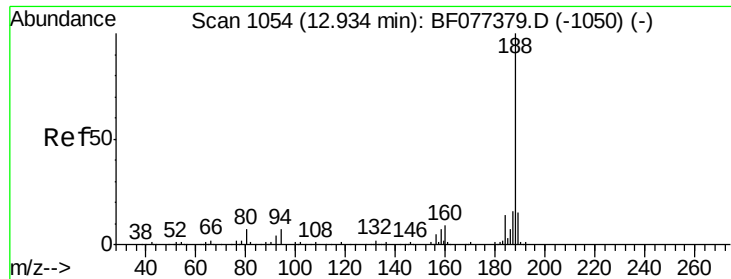


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

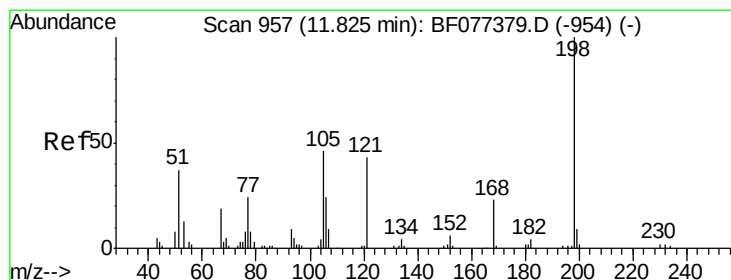
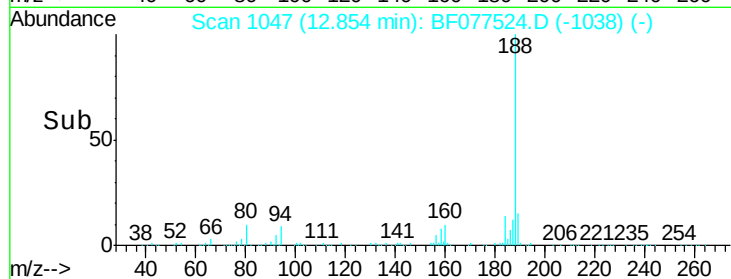
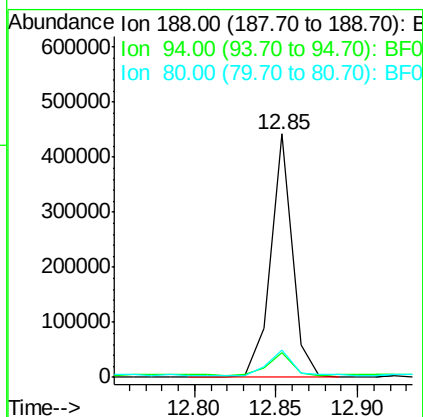
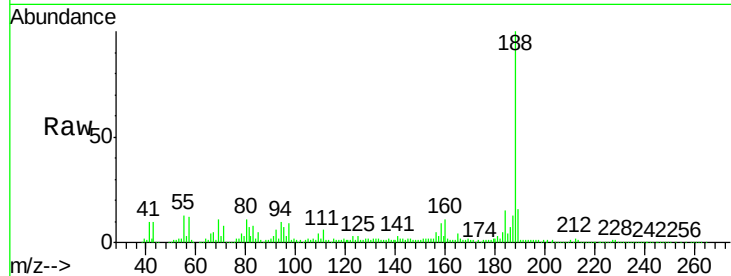




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Instrument :
BNA_F
ClientSampled :
SB4(13-14)

Tgt Ion:188 Resp: 404382
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 11.2 8.0 12.0



#64
4,6-Dinitro-2-methylphenol
Concen: 4.35 ng
RT: 11.79 min Scan# 954
Delta R.T. 0.03 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Tgt Ion:198 Resp: 1116
Ion Ratio Lower Upper
198 100
51 242.0 2.7 42.7#
105 808.2 10.0 50.0#

