

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077525.D
 Acq On : 2 Mar 2015 16:33
 Operator : TP/IZ
 Sample : G1399-10 2X
 Misc : S
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(2-4)

Quant Time: Mar 03 00:02:09 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	97290	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	395312	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	201413	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	389287	20.00	ng	0.00
75) Chrysene-d12	16.15	240	381324	20.00	ng	0.01
86) Perylene-d12	17.89	264	436572	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	193766	33.25	ng	0.00
7) Phenol-d6	6.81	99	246020	32.83	ng	0.00
23) Nitrobenzene-d5	7.95	82	143621	22.59	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	62409	32.18	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	321129	24.86	ng	0.00
78) Terphenyl-d14	14.85	244	356067	21.83	ng	0.00

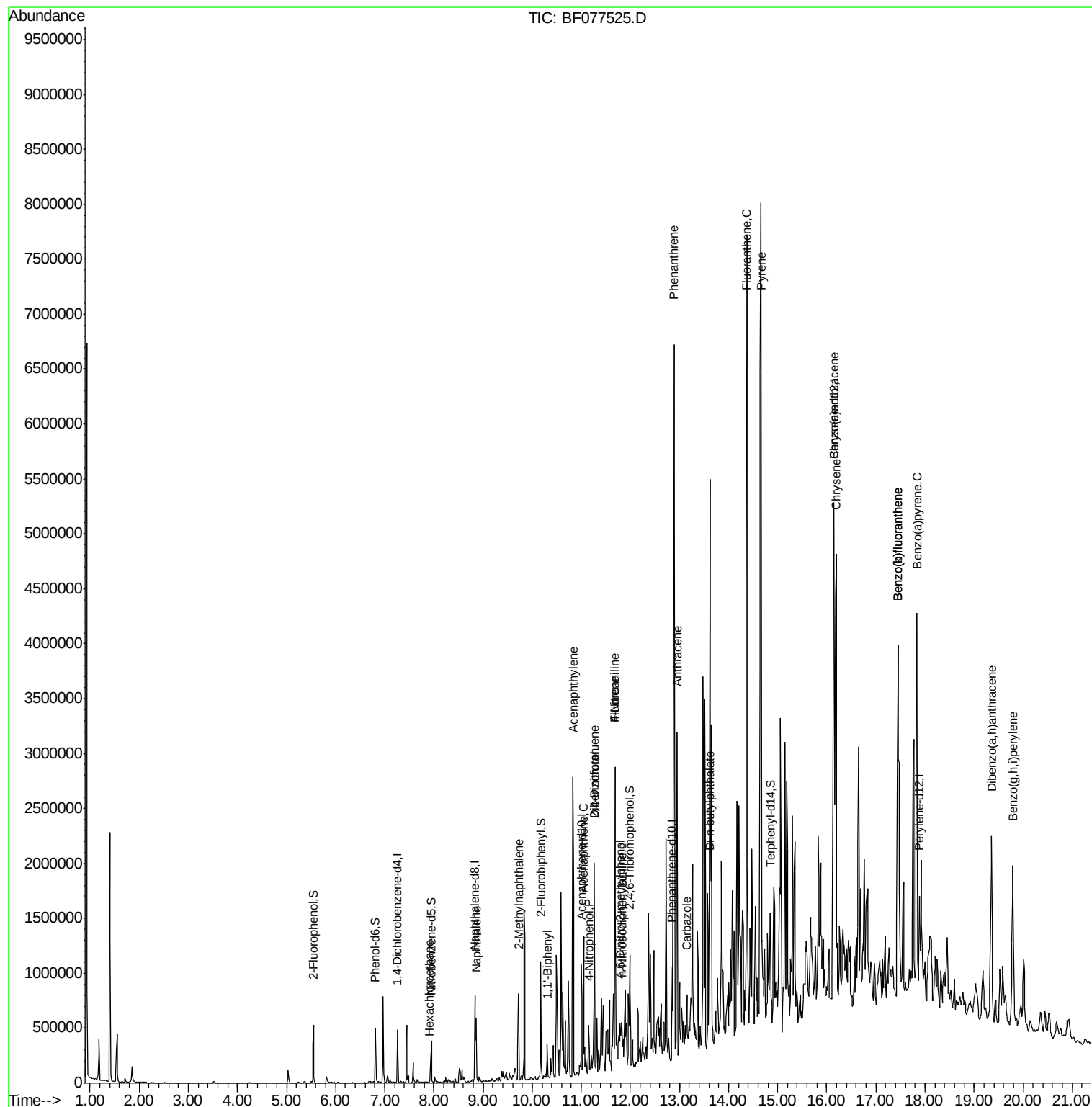
Target Compounds						Qvalue
18) Hexachloroethane	7.92	117	6437	2.53	ng	# 1
31) Naphthalene	8.86	128	338274	17.11	ng	99
37) 2-Methylnaphthalene	9.72	142	223334	15.91	ng	99
45) 1,1'-Biphenyl	10.30	154	106751	7.00	ng	100
48) Acenaphthylene	10.84	152	1232122	65.04	ng	97
51) Acenaphthene	11.05	154	273374	24.18	ng	99
54) Dibenzofuran	11.26	168	585411	33.54	ng	# 98
55) 4-Nitrophenol	11.15	139	9832	3.73	ng	# 55
56) 2,4-Dinitrotoluene	11.27	165	15685	4.09	ng	# 1
57) Fluorene	11.69	166	1109401	79.50	ng	98
61) 4-Nitroaniline	11.69	138	11953	3.81	ng	# 27
64) 4,6-Dinitro-2-methylphenol	11.79	198	424	3.96	ng	# 1
65) n-Nitrosodiphenylamine	11.83	169	43501	3.37	ng	# 62
70) Phenanthrene	12.89	178	4041970	179.14	ng	94
71) Anthracene	12.95	178	1819318	81.25	ng	98
72) Carbazole	13.15	167	162150	7.62	ng	98
73) Di-n-butylphthalate	13.61	149	101470	4.06	ng	# 89
74) Fluoranthene	14.37	202	3756804	152.43	ng	92
77) Pyrene	14.65	202	4494120	192.67	ng	# 91
80) Benzo(a)anthracene	16.14	228	2686937	120.23	ng	# 83
82) Chrysene	16.18	228	2461773	117.31	ng	# 93
87) Benzo(b)fluoranthene	17.46	252	3091905	121.79	ng	# 93
88) Benzo(k)fluoranthene	17.46	252	3099171	124.57	ng	98
89) Benzo(a)pyrene	17.83	252	2198399	90.92	ng	# 93
90) Dibenzo(a,h)anthracene	19.36	278	356057	15.44	ng	# 93
91) Benzo(g,h,i)perylene	19.78	276	1251404	53.77	ng	97

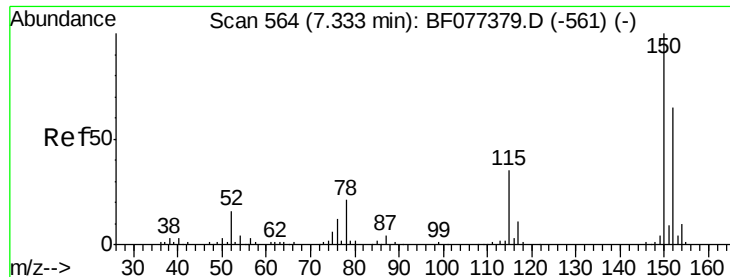
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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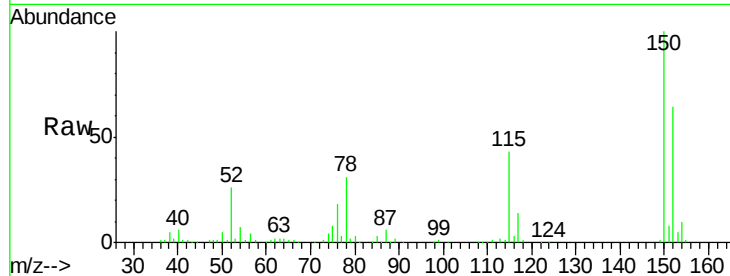


#1

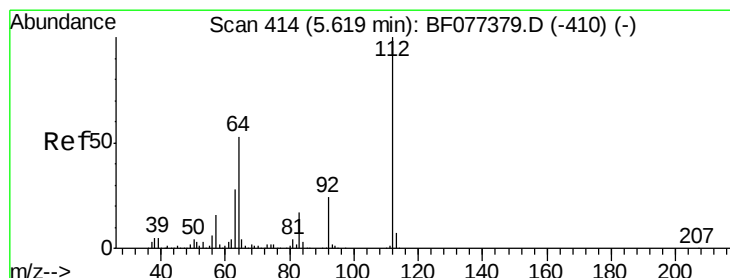
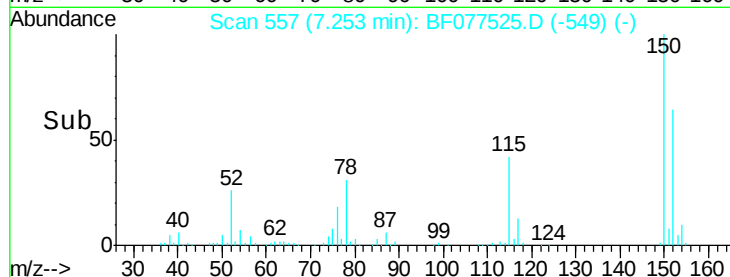
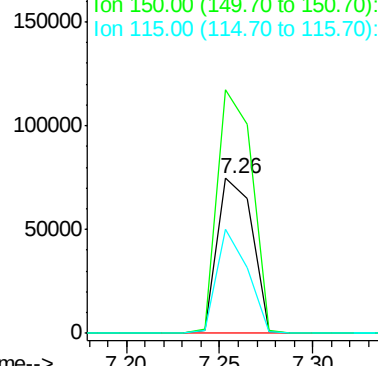
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF077525.D
Acq: 2 Mar 2015 16:33

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

Tgt Ion:152 Resp: 97290
Ion Ratio Lower Upper
152 100
150 157.3 124.0 186.0
115 67.1 49.4 74.2



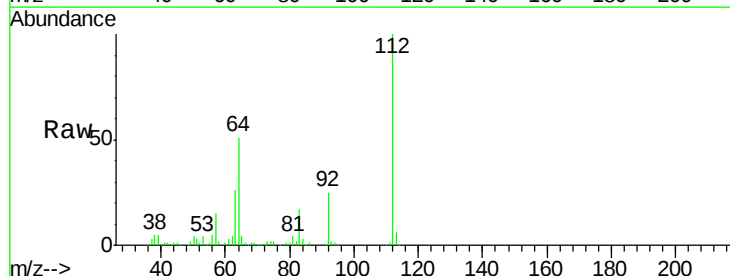
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



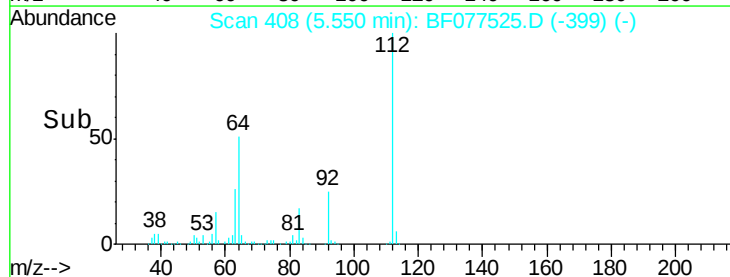
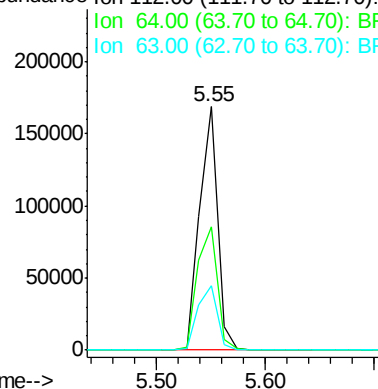
#5

2-Fluorophenol
Concen: 33.25 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF077525.D
Acq: 2 Mar 2015 16:33

Tgt Ion:112 Resp: 193766
Ion Ratio Lower Upper
112 100
64 50.5 48.5 72.7
63 26.3 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: 32.83 ng

RT: 6.81 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampleId :

SB4(2-4)

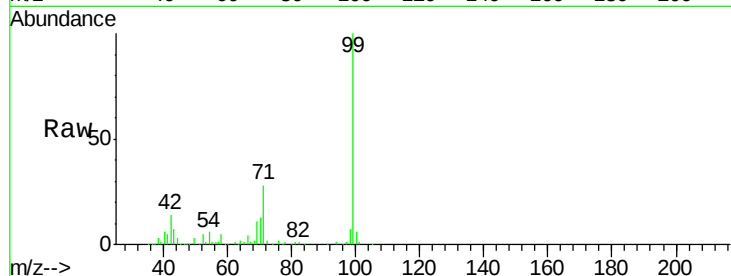
Tgt Ion: 99 Resp: 246020

Ion Ratio Lower Upper

99 100

42 13.6 16.2 24.4#

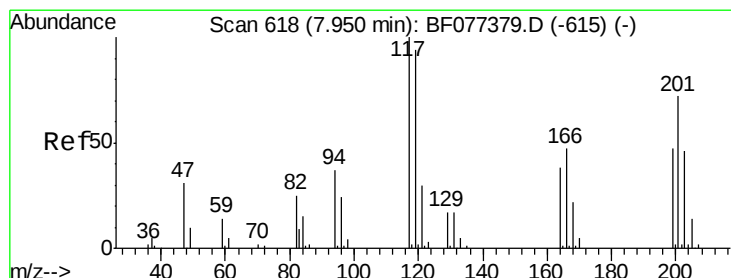
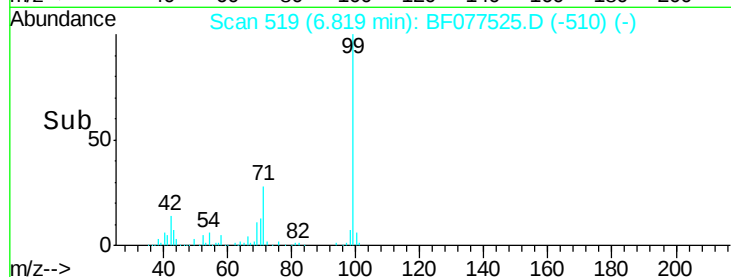
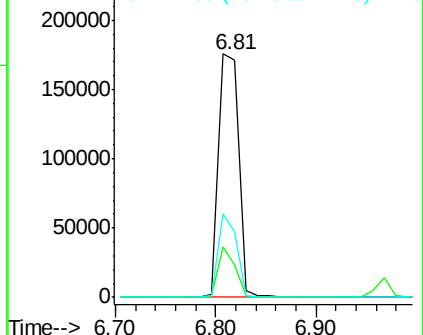
71 27.6 26.7 40.1



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



#18

Hexachloroethane

Concen: 2.53 ng

RT: 7.92 min Scan# 615

Delta R.T. 0.03 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

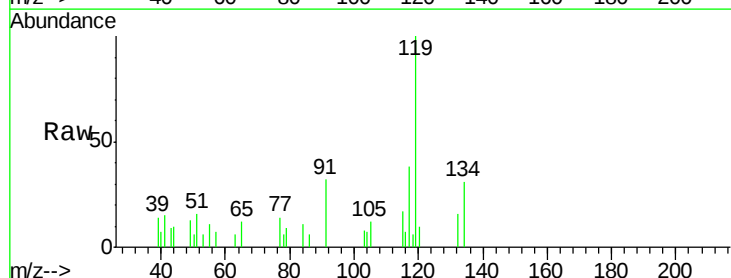
Tgt Ion: 117 Resp: 6437

Ion Ratio Lower Upper

117 100

119 260.8 77.8 116.8#

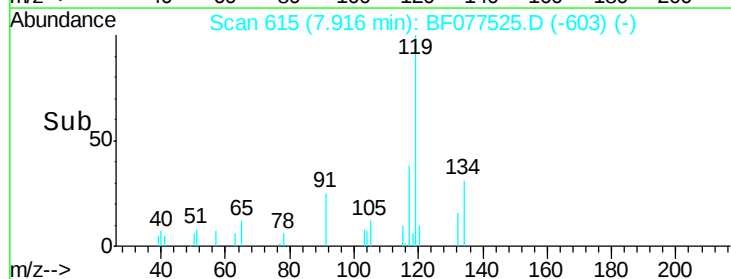
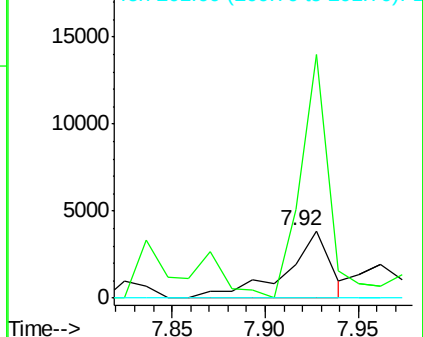
201 0.0 90.6 136.0#

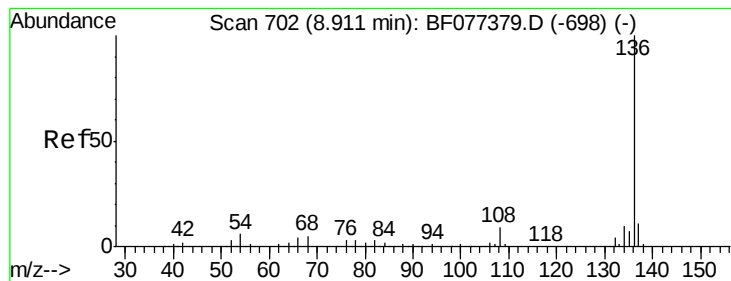


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampleId :

SB4(2-4)

Tgt Ion:136 Resp: 395312

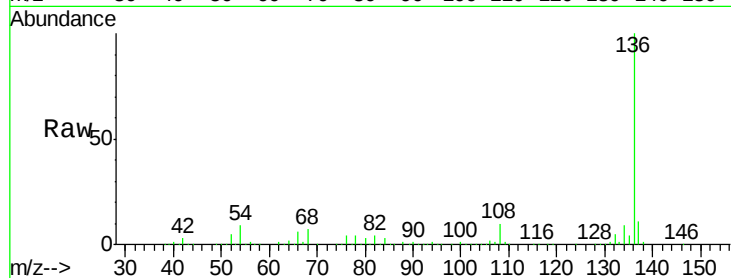
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 8.9 6.2 9.4

68 6.8 5.0 7.6

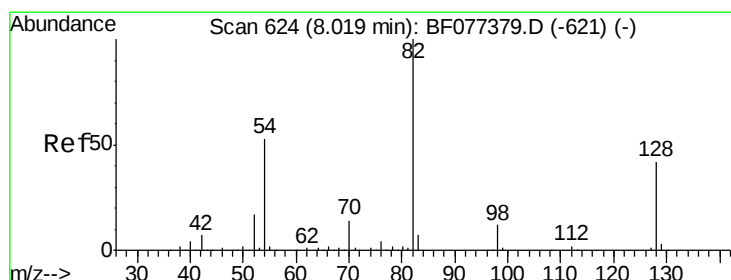
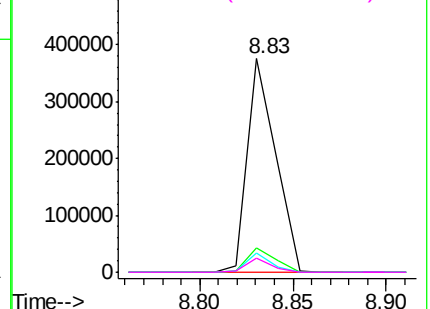
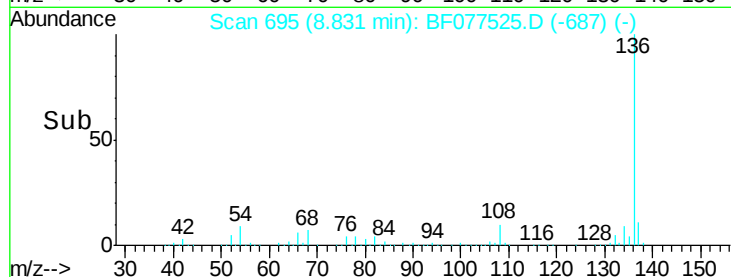


Abundance Ion 136.00 (135.70 to 136.70): E

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: 22.59 ng

RT: 7.95 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

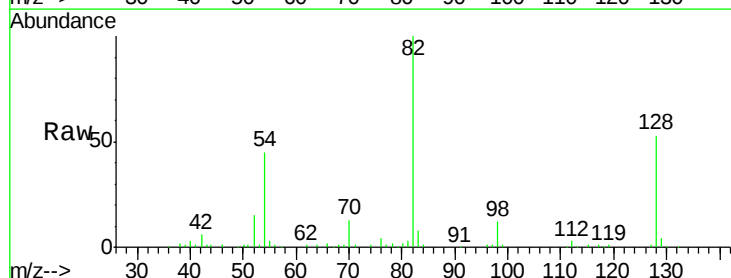
Tgt Ion: 82 Resp: 143621

Ion Ratio Lower Upper

82 100

128 52.8 43.8 65.8

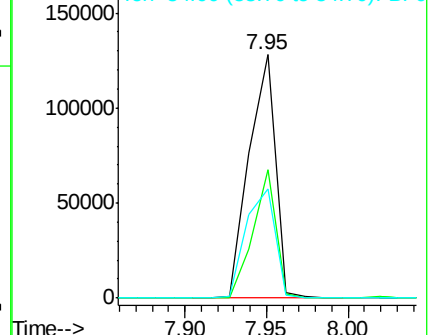
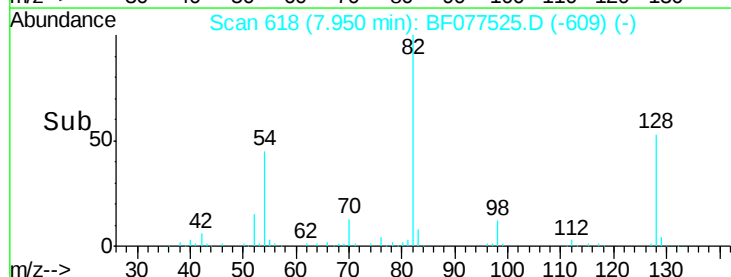
54 45.0 36.7 55.1

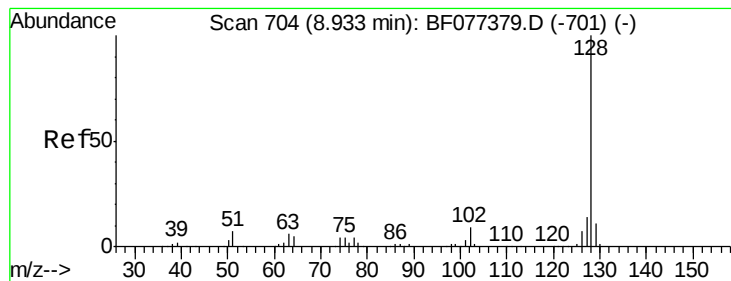


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 17.11 ng

RT: 8.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampleId :

SB4(2-4)

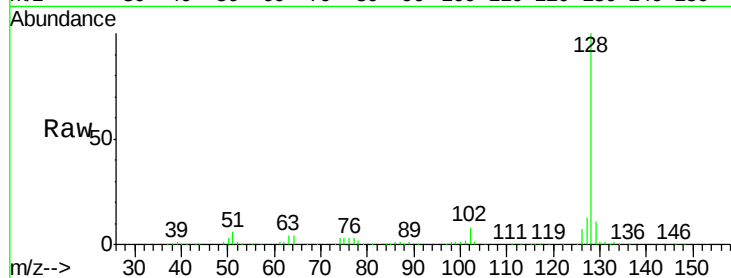
Tgt Ion:128 Resp: 338274

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.0

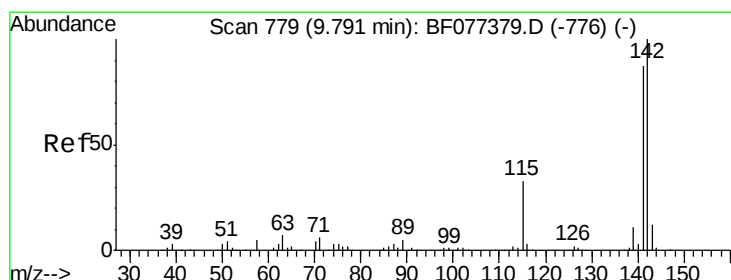
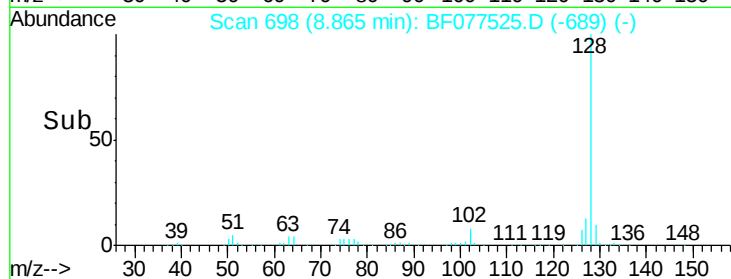
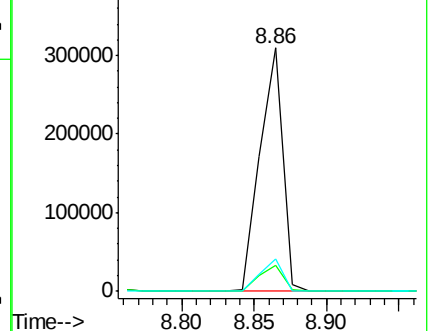
127 13.3 10.6 15.8



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



#37

2-Methylnaphthalene

Concen: 15.91 ng

RT: 9.72 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

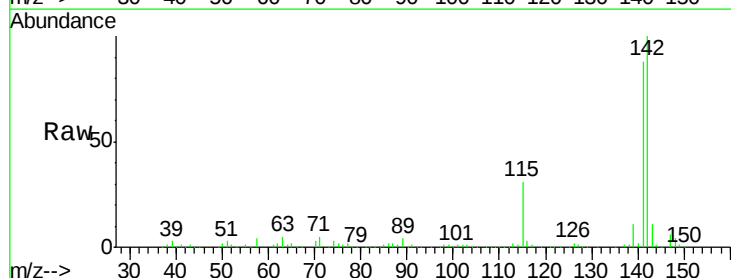
Tgt Ion:142 Resp: 223334

Ion Ratio Lower Upper

142 100

141 87.7 70.7 106.1

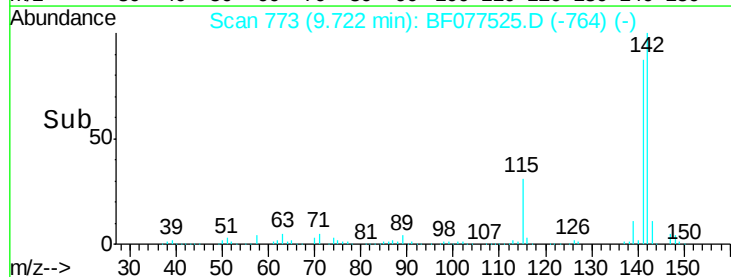
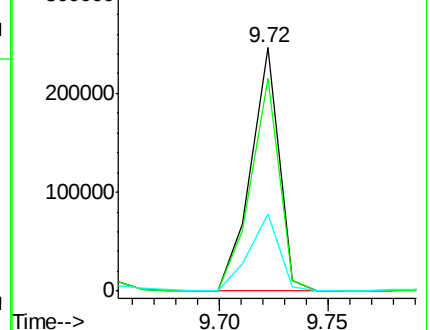
115 31.5 24.2 36.4

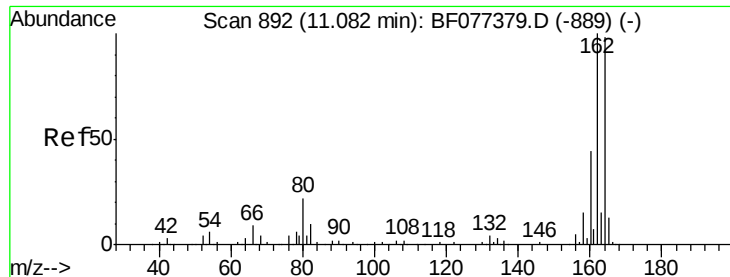


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

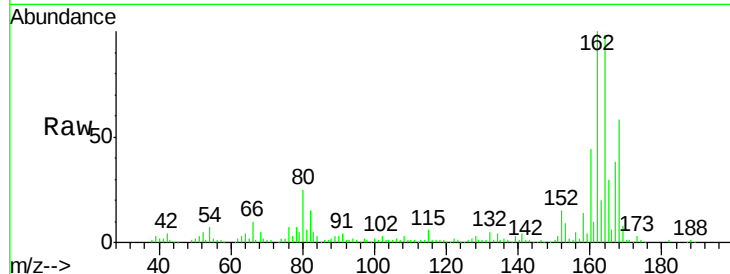




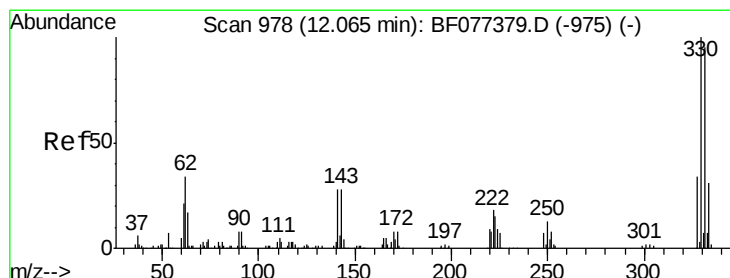
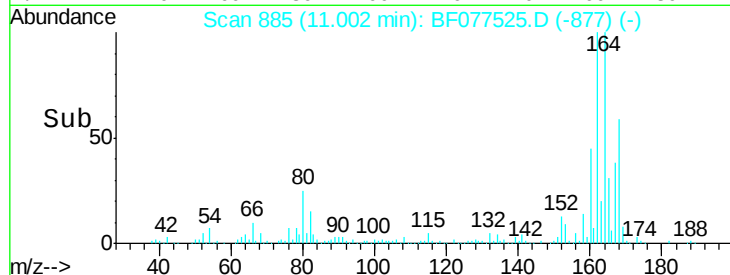
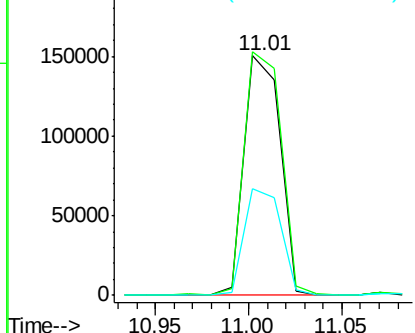
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF077525.D
Acq: 2 Mar 2015 16:33

Instrument :
BNA_F
ClientSampleId :
SB4(2-4)

Tgt Ion:164 Resp: 201413
Ion Ratio Lower Upper
164 100
162 101.7 83.2 124.8
160 44.4 34.6 52.0

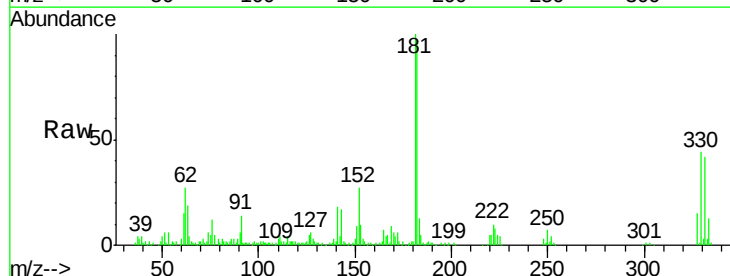


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

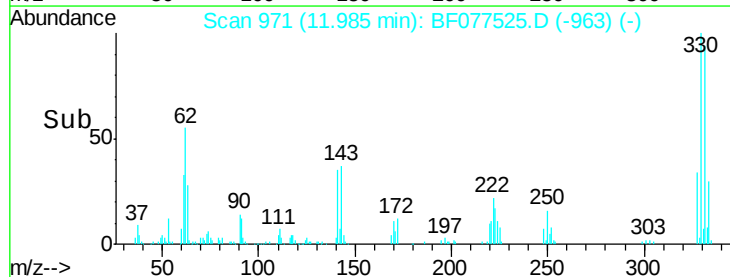
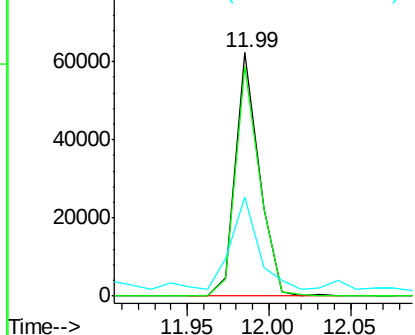


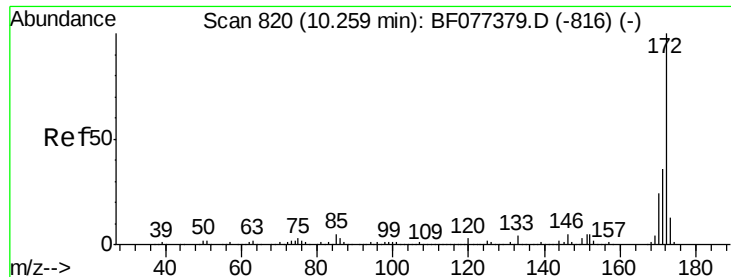
#41
2,4,6-Tribromophenol
Concen: 32.18 ng
RT: 11.99 min Scan# 971
Delta R.T. -0.00 min
Lab File: BF077525.D
Acq: 2 Mar 2015 16:33

Tgt Ion:330 Resp: 62409
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.2
141 47.1 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

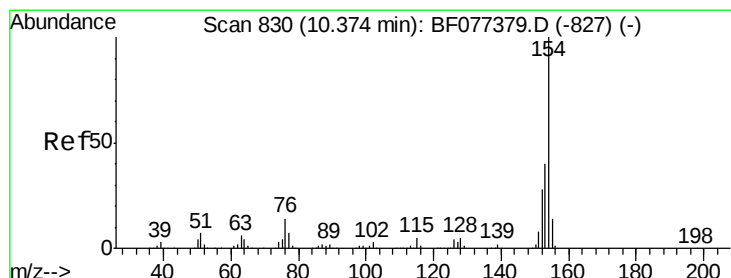
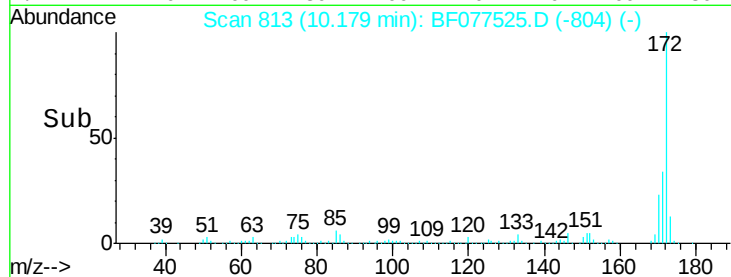
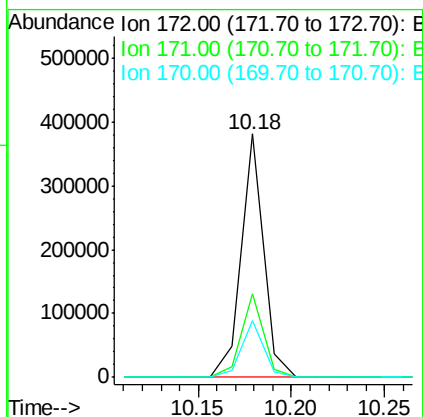
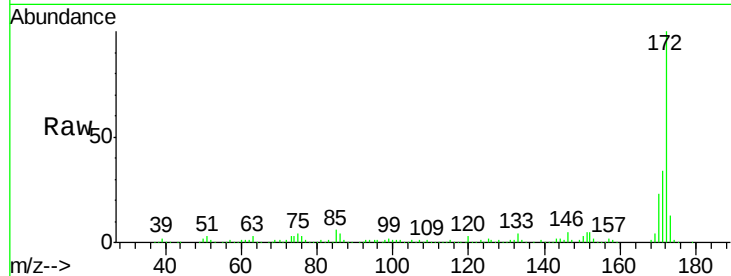




#44
 2-Fluorobiphenyl
 Concen: 24.86 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077525.D
 Acq: 2 Mar 2015 16:33

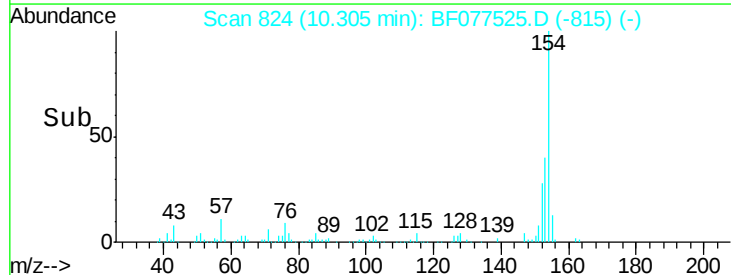
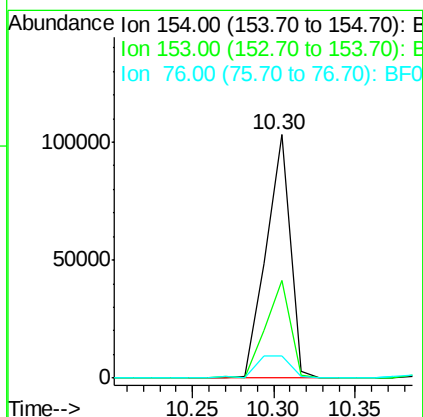
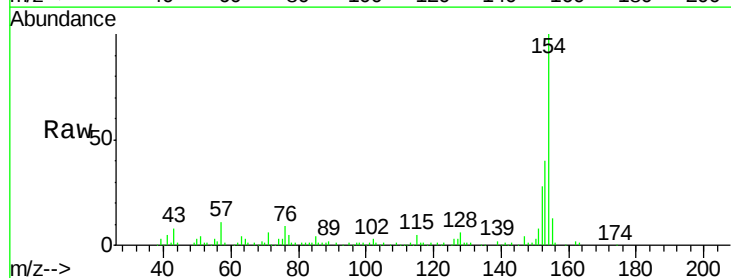
Instrument :
 BNA_F
 ClientSampleId :
 SB4(2-4)

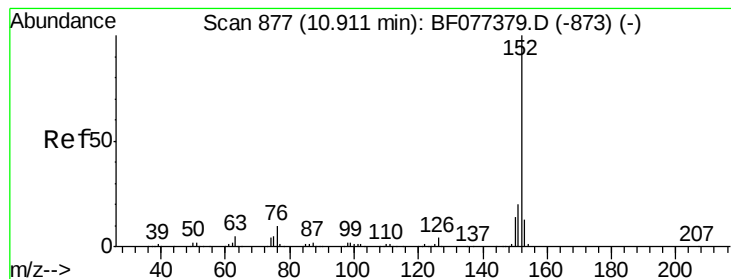
Tgt Ion:172 Resp: 321129
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 23.2 19.4 29.2



#45
 1,1'-Biphenyl
 Concen: 7.00 ng
 RT: 10.30 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF077525.D
 Acq: 2 Mar 2015 16:33

Tgt Ion:154 Resp: 106751
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.2 60.2
 76 9.2 0.0 29.4





#48

Acenaphthylene

Concen: 65.04 ng

RT: 10.84 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampled :

SB4(2-4)

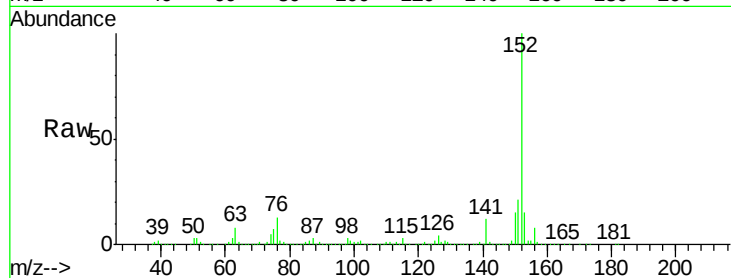
Tgt Ion:152 Resp: 1232122

Ion Ratio Lower Upper

152 100

151 20.9 16.1 24.1

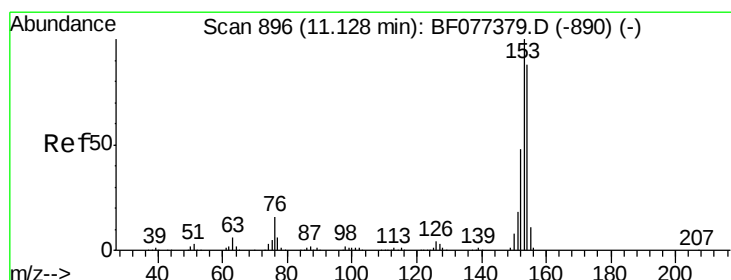
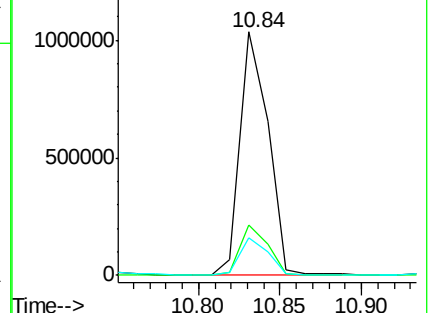
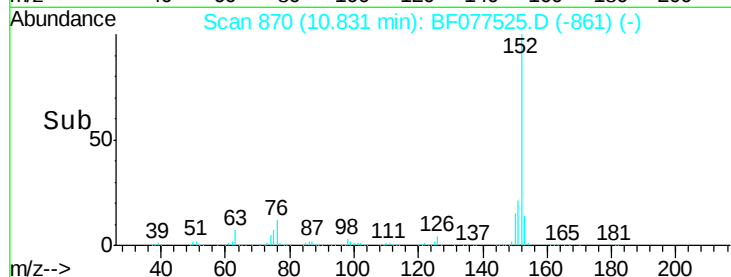
153 15.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 24.18 ng

RT: 11.05 min Scan# 889

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

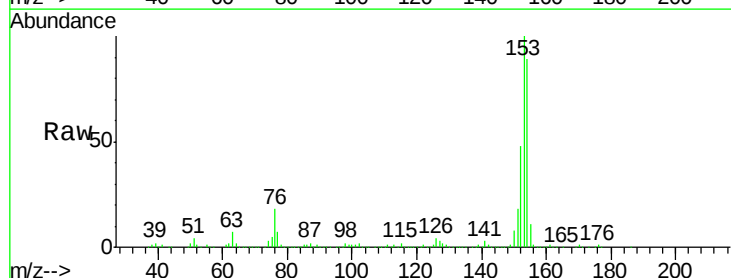
Tgt Ion:154 Resp: 273374

Ion Ratio Lower Upper

154 100

153 112.4 90.5 135.7

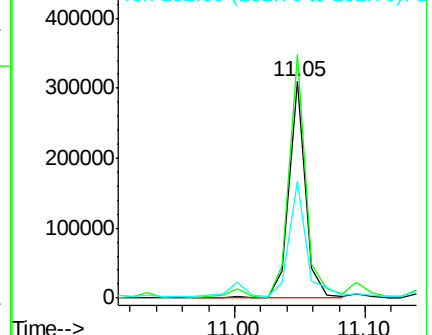
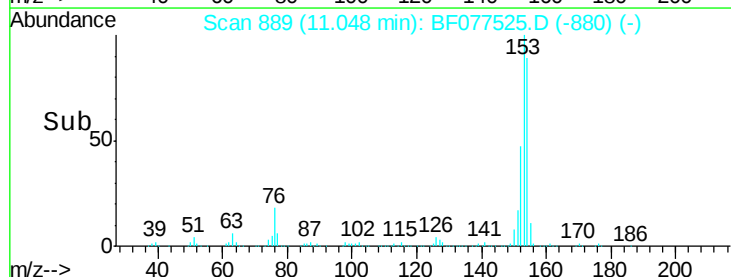
152 54.1 43.5 65.3

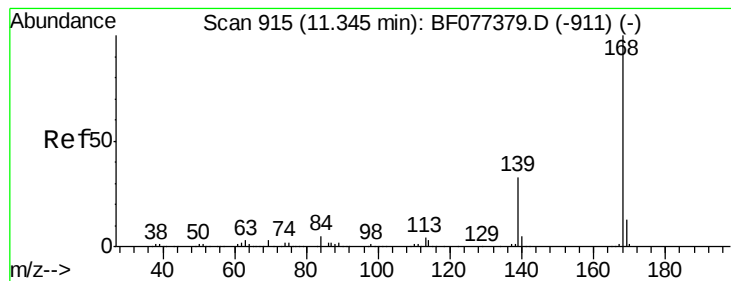


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 33.54 ng

RT: 11.26 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampleId :

SB4(2-4)

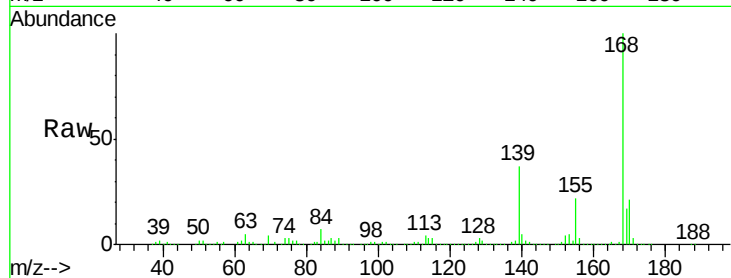
Tgt Ion:168 Resp: 585411

Ion Ratio Lower Upper

168 100

139 36.5 29.3 43.9

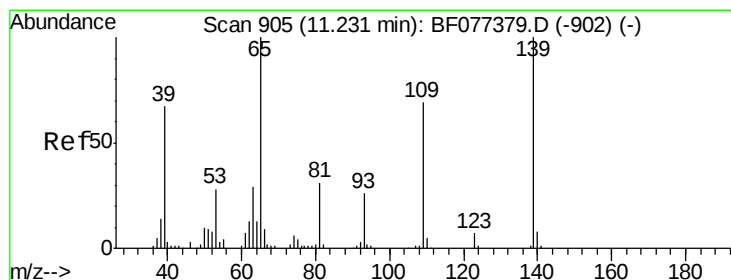
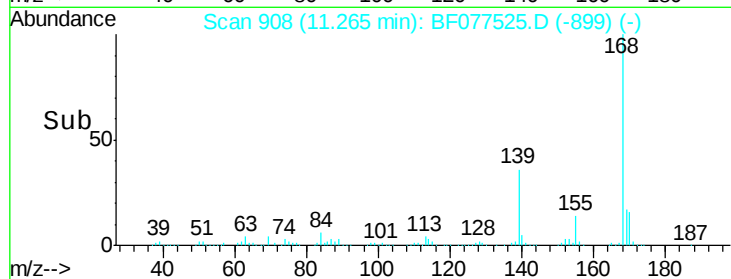
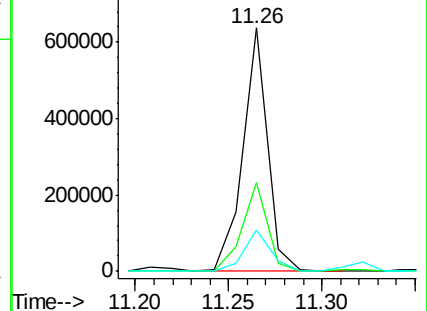
169 17.2 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 3.73 ng

RT: 11.15 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

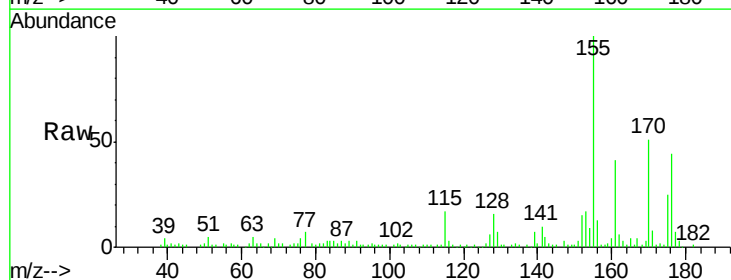
Tgt Ion:139 Resp: 9832

Ion Ratio Lower Upper

139 100

109 17.2 36.2 76.2#

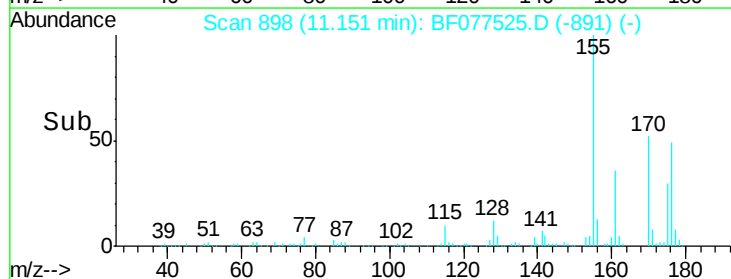
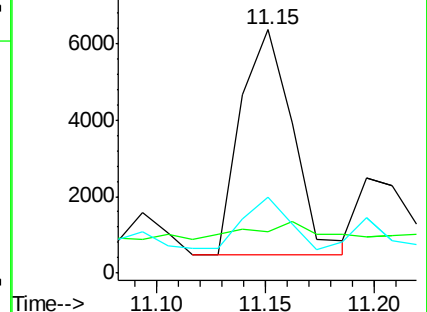
65 31.4 40.3 80.3#

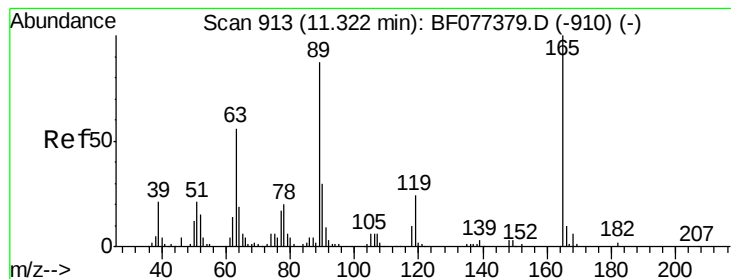


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 4.09 ng

RT: 11.27 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampleId :

SB4(2-4)

Tgt Ion:165 Resp: 15685

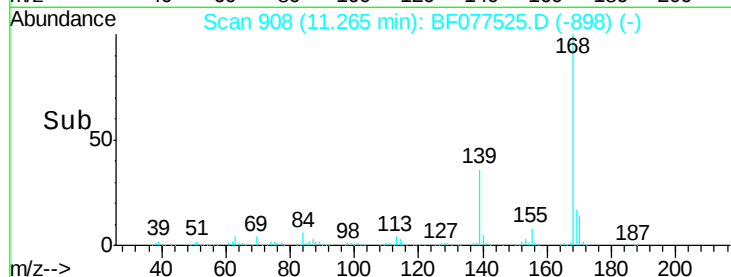
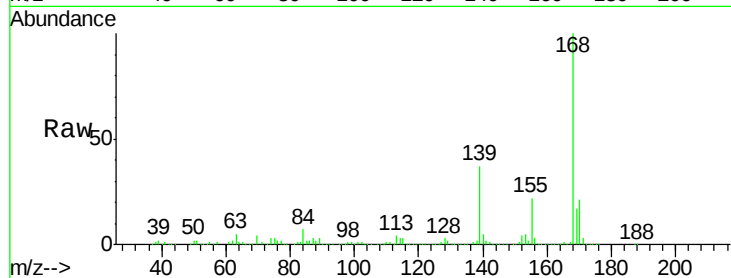
Ion Ratio Lower Upper

165 100

63 419.4 29.8 44.8#

89 245.7 48.5 72.7#

182 0.0 1.9 2.9#

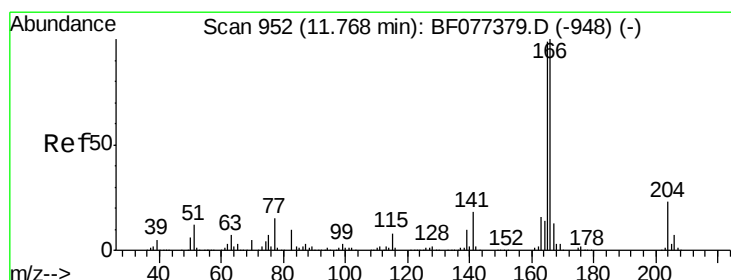
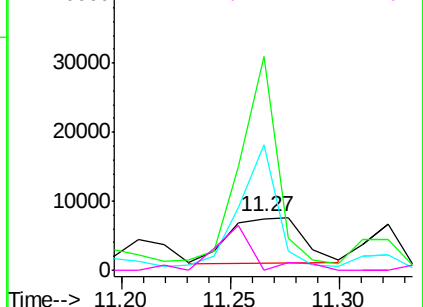


Abundance Ion 165.00 (164.70 to 165.70): E

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: 79.50 ng

RT: 11.69 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

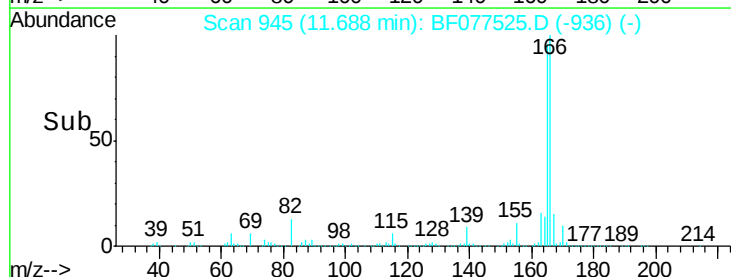
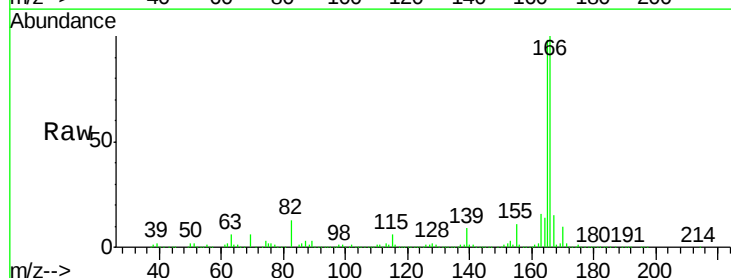
Tgt Ion:166 Resp: 1109401

Ion Ratio Lower Upper

166 100

165 98.0 77.6 116.4

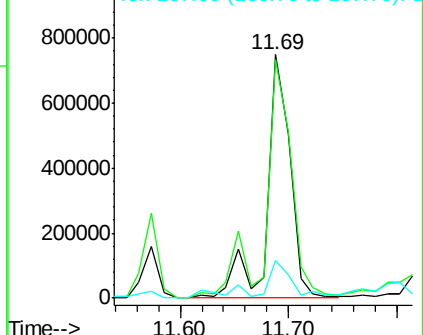
167 15.5 10.6 16.0

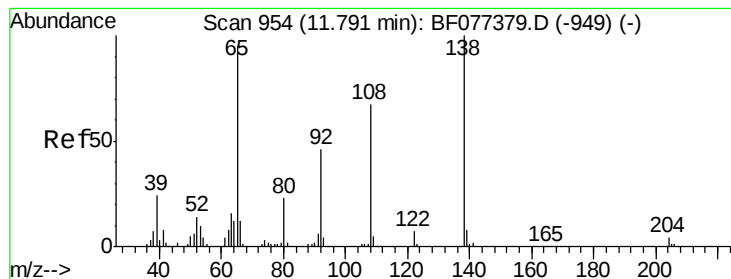


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 3.81 ng

RT: 11.69 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

Instrument :

BNA_F

ClientSampled :

SB4(2-4)

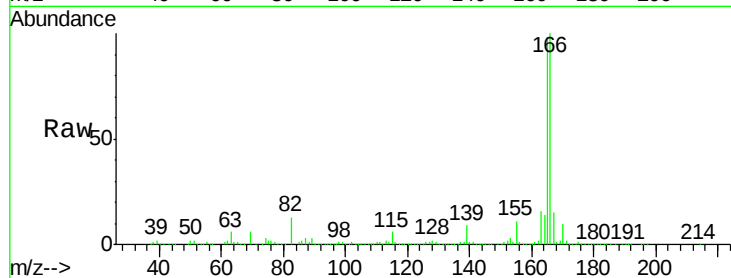
Tgt Ion:138 Resp: 11953

Ion Ratio Lower Upper

138 100

92 7.8 32.8 72.8#

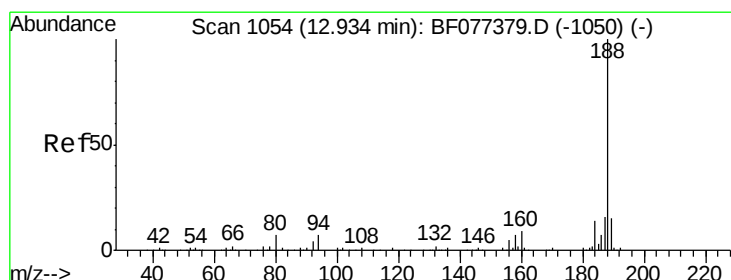
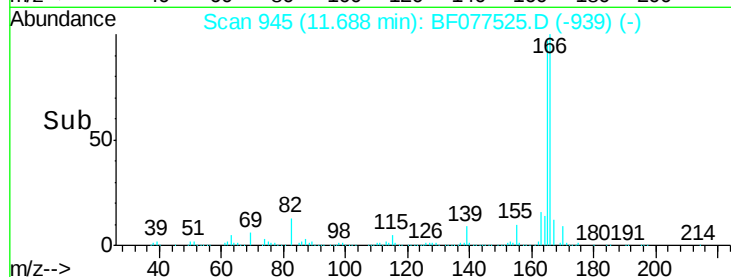
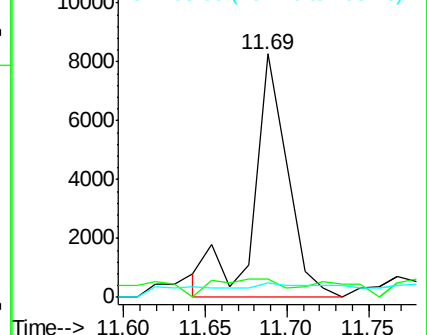
108 5.8 52.1 92.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.85 min Scan# 1047

Delta R.T. 0.01 min

Lab File: BF077525.D

Acq: 2 Mar 2015 16:33

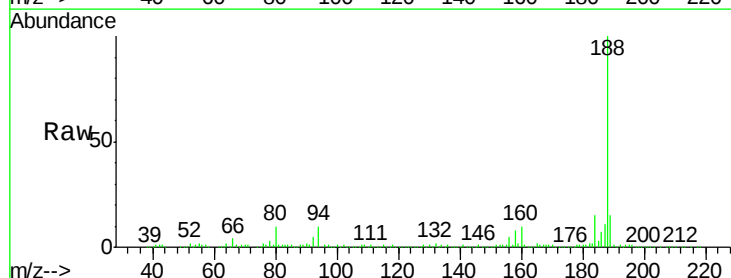
Tgt Ion:188 Resp: 389287

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 10.2 8.0 12.0



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

