

Data Path : Z:\HPCHEM1\BNA F\Data\BF012615\
 Data File : BF077091.D
 Acq On : 27 Jan 2015 18:45
 Operator : TP/IZ
 Sample : G1137-09
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 03:55:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 02:59:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	30992	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	133451	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	62734	20.00	ng	0.00
63) Phenanthrene-d10	17.64	188	110330	20.00	ng	0.00
75) Chrysene-d12	21.15	240	111054	20.00	ng	-0.01
86) Perylene-d12	22.80	264	106568	20.00	ng	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.80	112	72653	38.54	ng	0.00
7) Phenol-d6	7.18	99	55805	23.47	ng	0.00
23) Nitrobenzene-d5	9.06	82	171301	71.11	ng	0.00
41) 2,4,6-Tribromophenol	16.53	330	54328	106.69	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	332955	80.77	ng	0.01
78) Terphenyl-d14	19.88	244	347265	71.99	ng	0.00

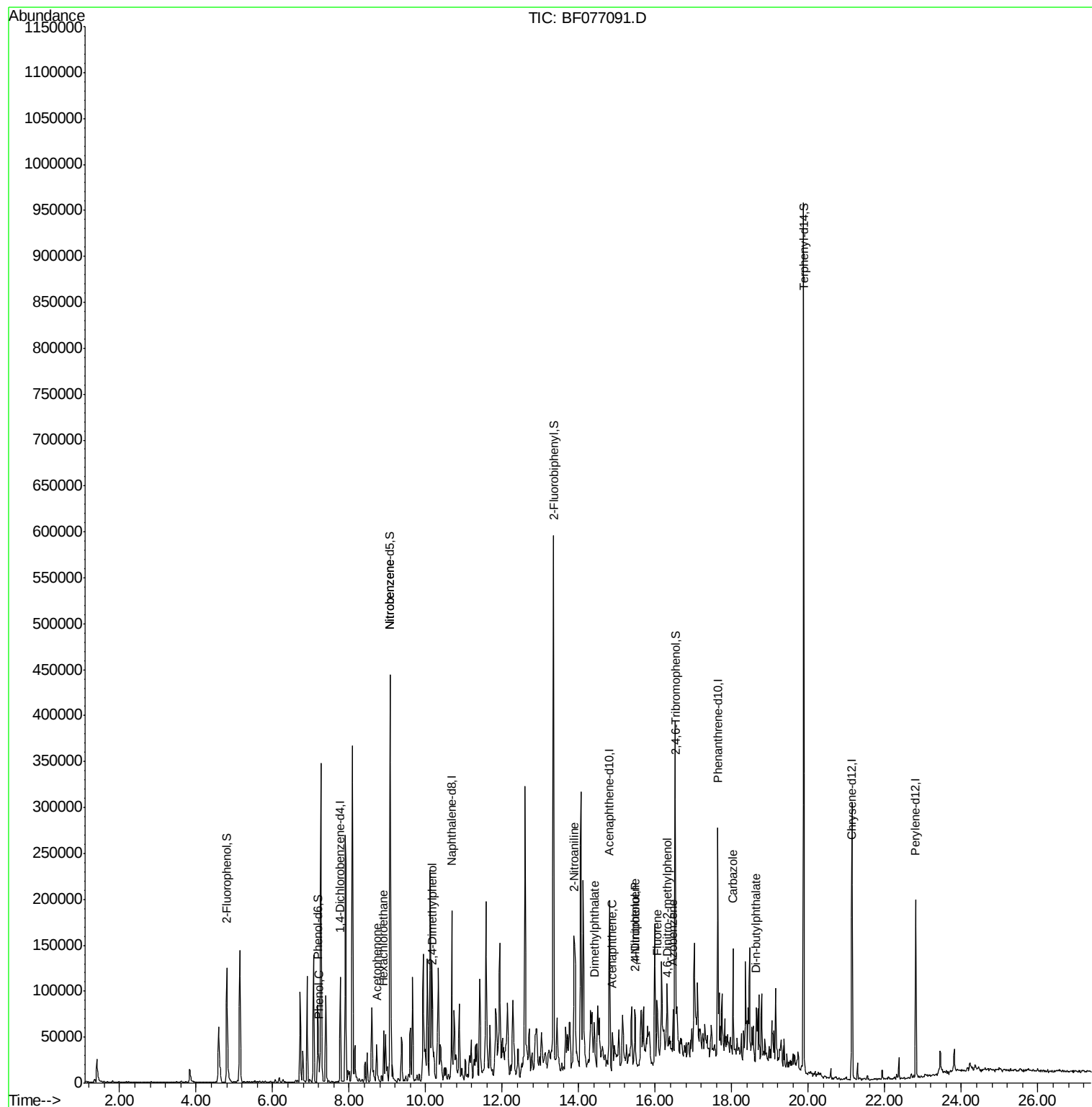
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.21	94	5564	2.20	ng	# 68
18) Hexachloroethane	8.90	117	3199	3.51	ng	# 1
22) Acetophenone	8.72	105	31637	9.68	ng	# 54
24) Nitrobenzene	9.06	77	6199	2.53	ng	# 16
27) 2,4-Dimethylphenol	10.17	122	11834	6.24	ng	# 86
47) 2-Nitroaniline	13.88	65	3391	2.92	ng	# 11
49) Dimethylphthalate	14.40	163	17459	3.92	ng	97
51) Acenaphthene	14.87	154	11585	3.16	ng	87
55) 4-Nitrophenol	15.47	139	1529	2.19	ng	# 39
56) 2,4-Dinitrotoluene	15.48	165	1108	2.91	ng	# 19
57) Fluorene	16.05	166	20045	4.43	ng	99
62) Azobenzene	16.47	77	11946	2.55	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.32	198	206	3.58	ng	# 1
72) Carbazole	18.04	167	56172	8.63	ng	98
73) Di-n-butylphthalate	18.63	149	20318	2.70	ng	# 91

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

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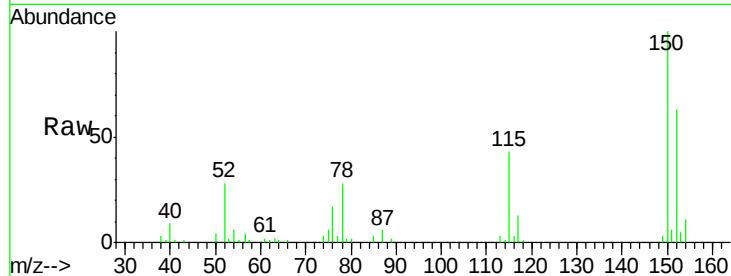


#1

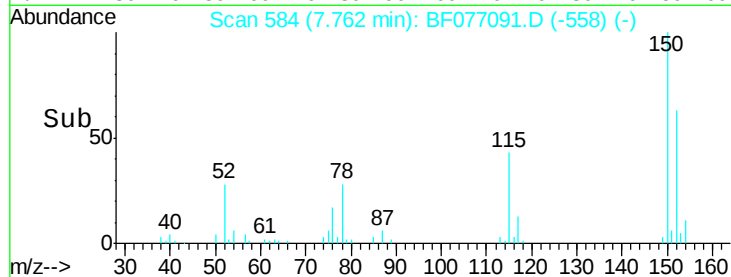
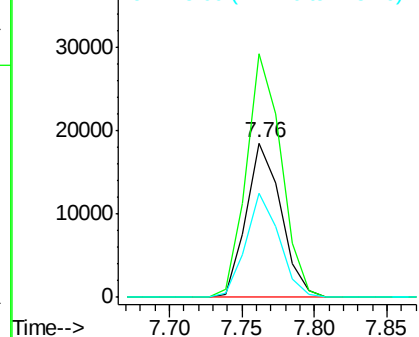
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 30992
Ion Ratio Lower Upper
152 100
150 157.7 121.7 182.5
115 67.1 47.0 70.6



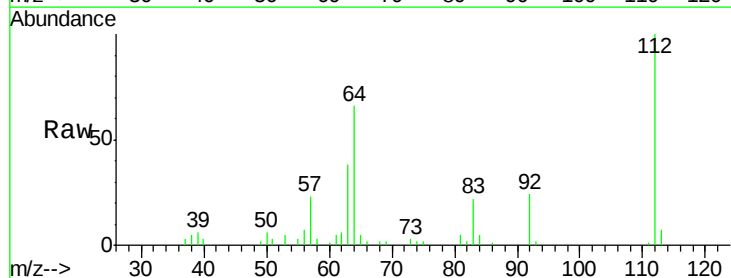
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



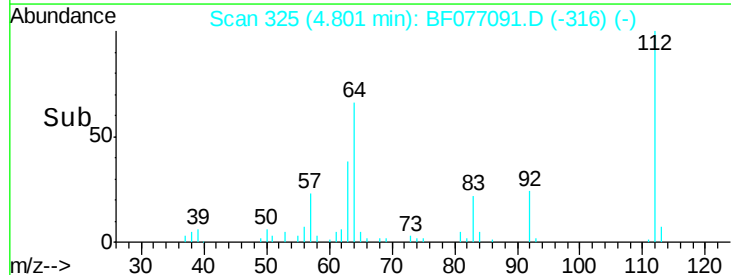
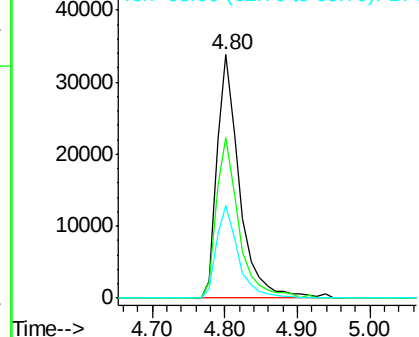
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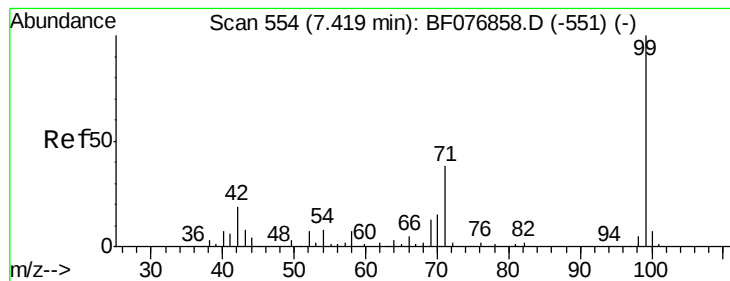
2-Fluorophenol
Concen: 38.54 ng
RT: 4.80 min Scan# 325
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Tgt Ion:112 Resp: 72653
Ion Ratio Lower Upper
112 100
64 65.8 54.2 81.4
63 37.9 28.4 42.6



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: 23.47 ng

RT: 7.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Instrument :

BNA_F

ClientSampled :

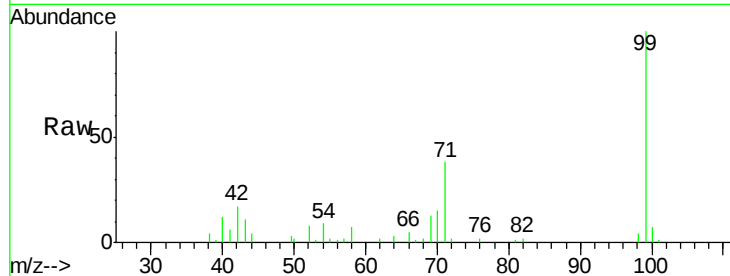
Tot Ion: 99 Resp: 55805

Ion Ratio Lower Upper

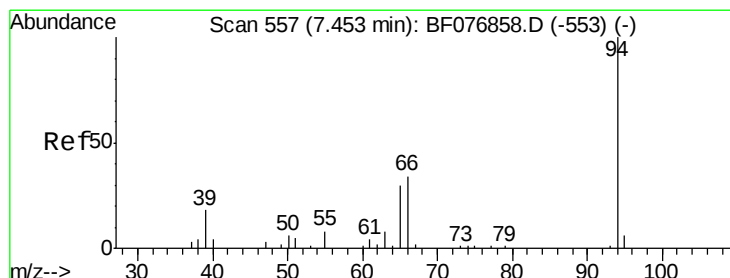
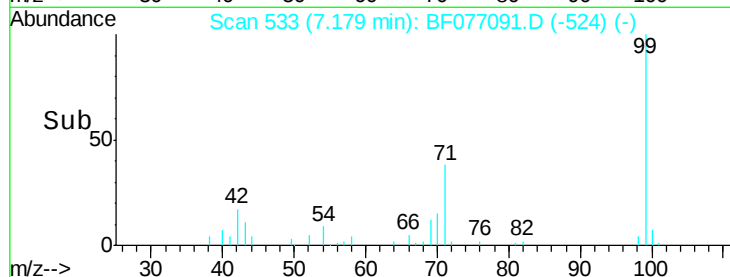
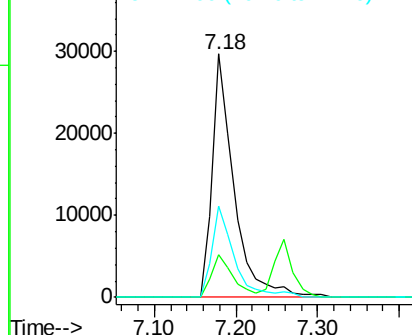
99 100

42 17.4 15.0 22.4

71 37.6 30.5 45.7



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



#10

Phenol

Concen: 2.20 ng

RT: 7.21 min Scan# 536

Delta R.T. -0.03 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

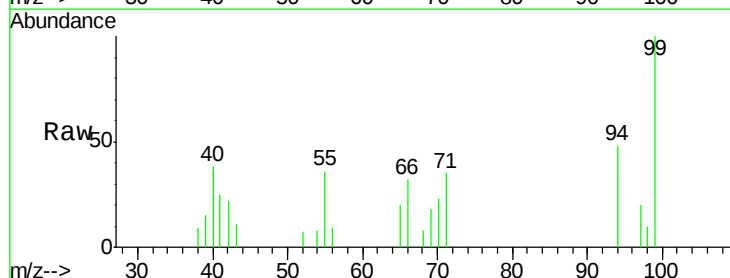
Tgt Ion: 94 Resp: 5564

Ion Ratio Lower Upper

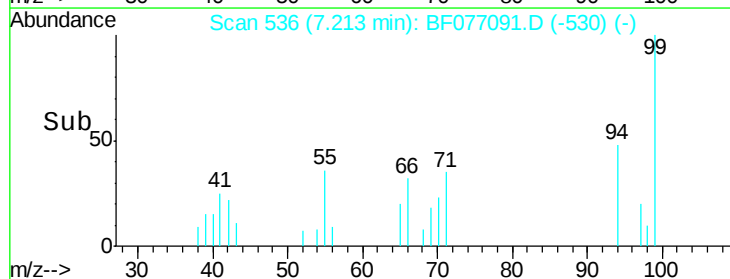
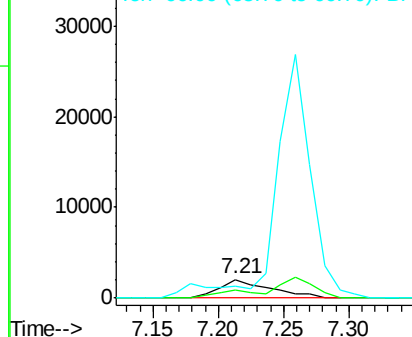
94 100

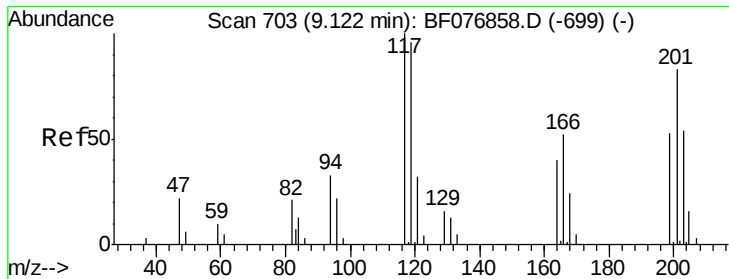
65 41.7 11.3 51.3

66 65.7 19.5 59.5#



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

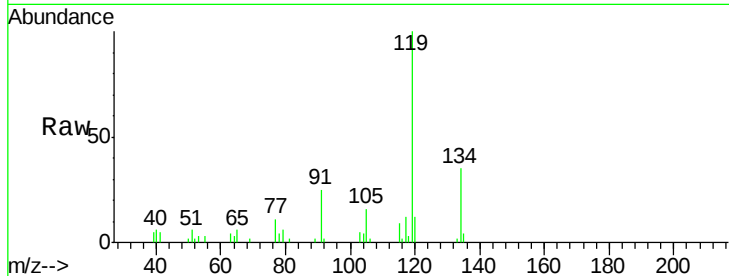




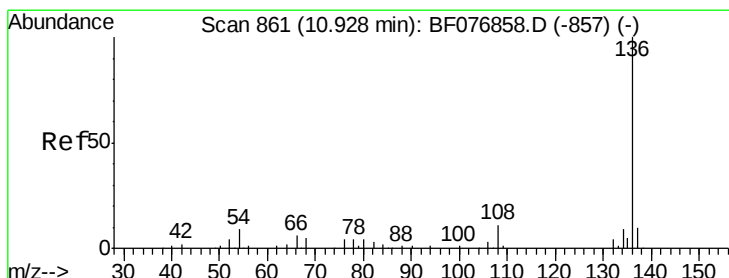
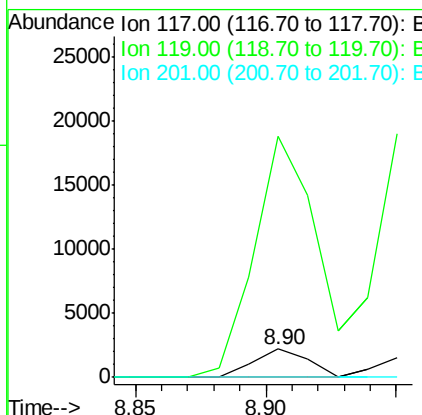
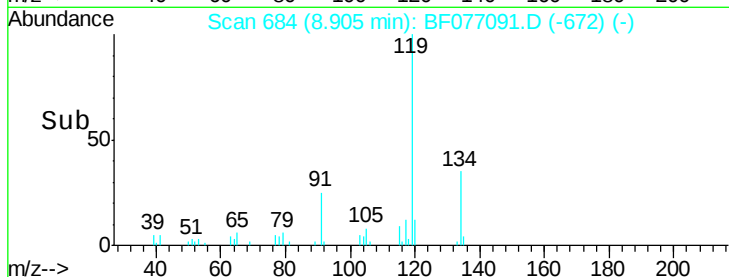
#18
Hexachloroethane
Concen: 3.51 ng
RT: 8.90 min Scan# 684
Delta R.T. 0.03 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 3199
Ion Ratio Lower Upper
117 100
119 850.5 77.1 115.7#
201 0.0 66.8 100.2#

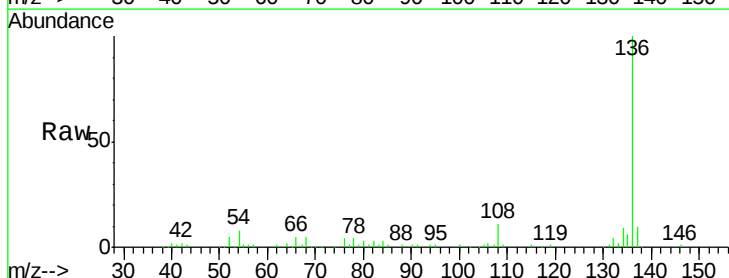


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

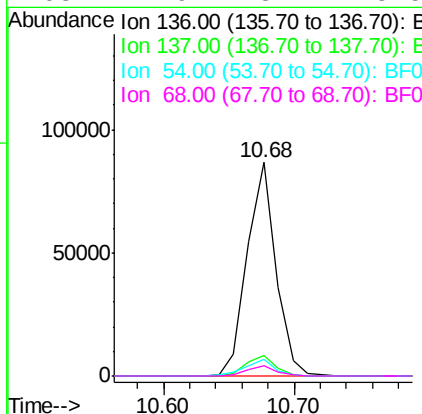
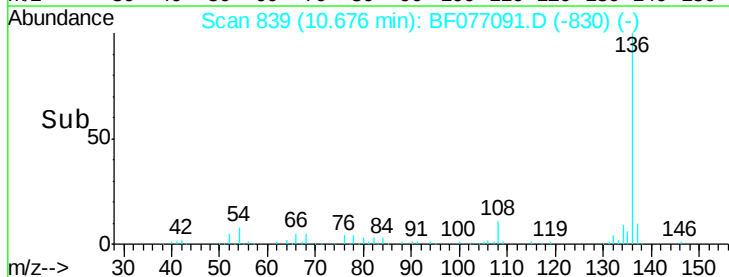


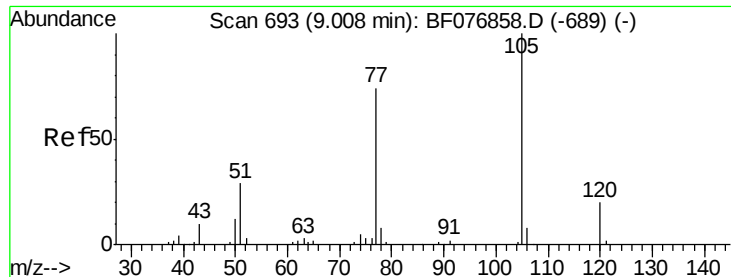
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.68 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Tgt Ion:136 Resp: 133451
Ion Ratio Lower Upper
136 100
137 9.6 8.1 12.1
54 8.0 7.0 10.4
68 4.9 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

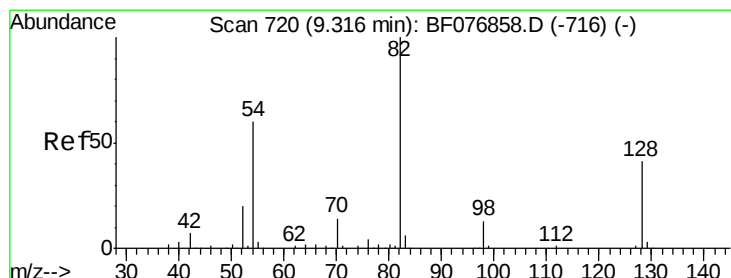
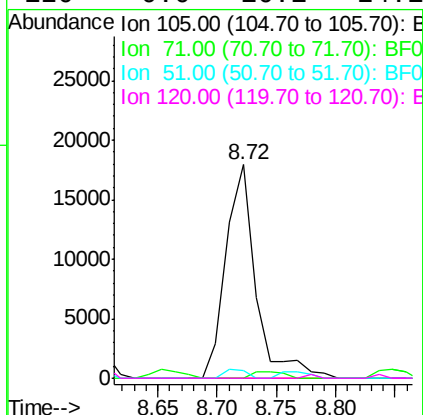
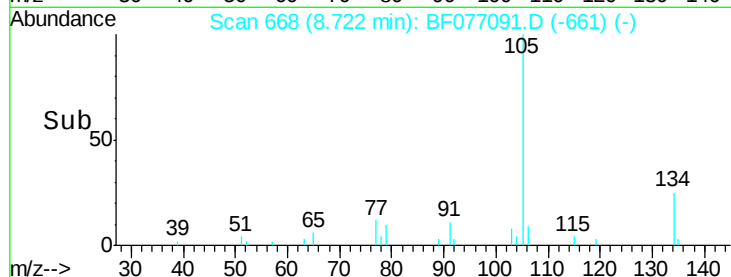
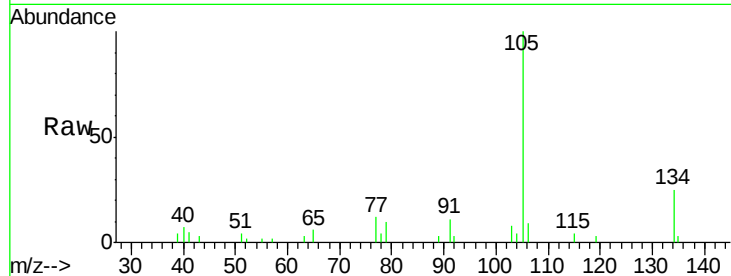




#22
 Acetophenone
 Concen: 9.68 ng
 RT: 8.72 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

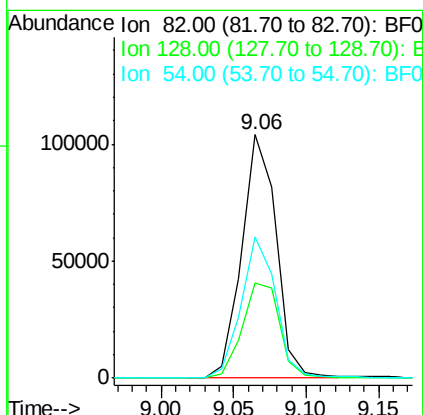
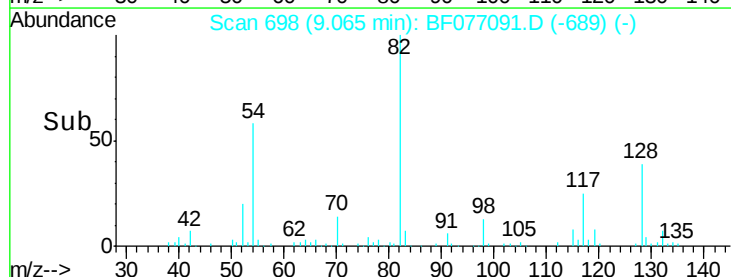
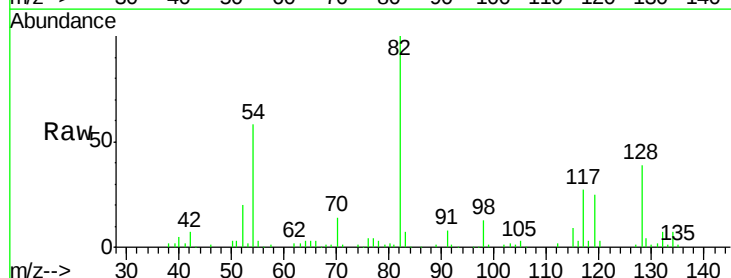
Instrument :
 BNA_F
 ClientSampled :

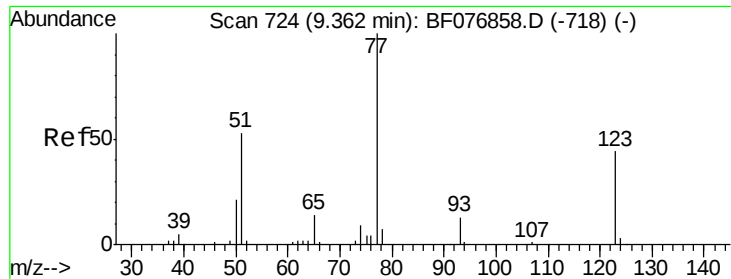
Tot Ion:	105	Resp:	31637
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.0	0.0
51	3.9	23.3	34.9#
120	0.0	16.1	24.1#



#23
 Nitrobenzene-d5
 Concen: 71.11 ng
 RT: 9.06 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

Tgt Ion:	82	Resp:	171301
Ion Ratio	Lower	Upper	
82	100		
128	39.1	33.1	49.7
54	58.1	48.3	72.5

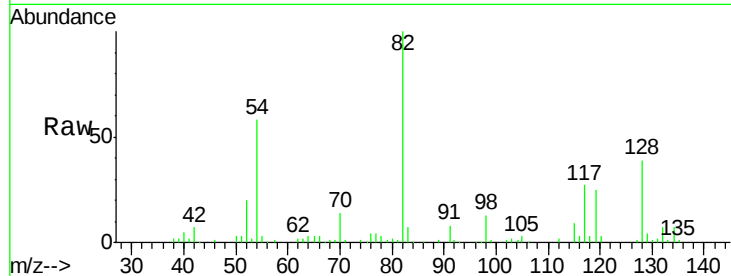




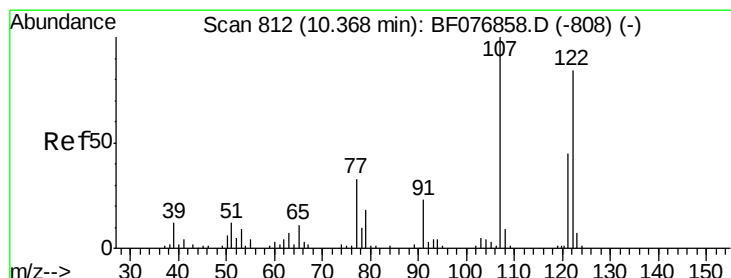
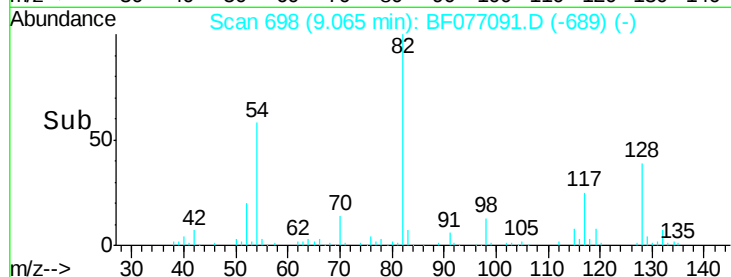
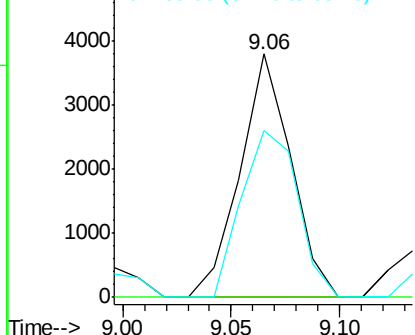
#24
 Nitrobenzene
 Concen: 2.53 ng
 RT: 9.06 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 77 Resp: 6199
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.2 52.8#
 65 68.7 11.4 17.2#

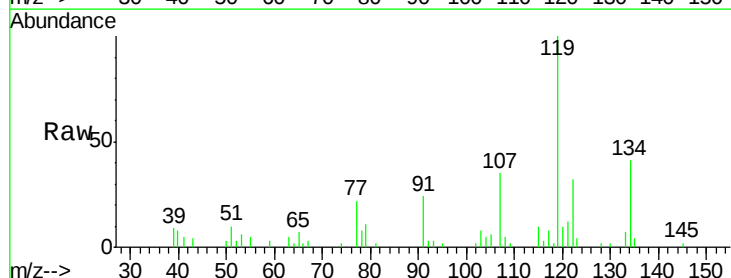


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BF0

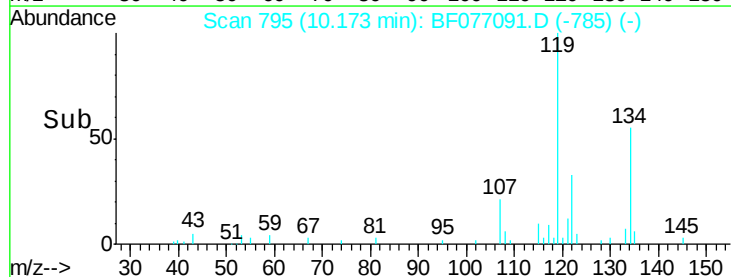
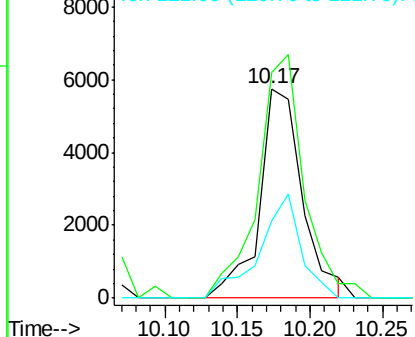


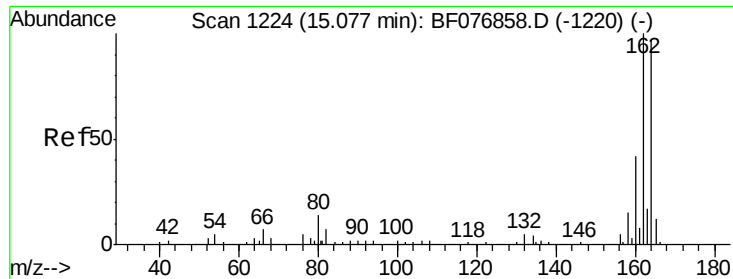
#27
 2,4-Dimethylphenol
 Concen: 6.24 ng
 RT: 10.17 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

Tgt Ion: 122 Resp: 11834
 Ion Ratio Lower Upper
 122 100
 107 107.9 95.2 142.8
 121 36.8 42.9 64.3#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

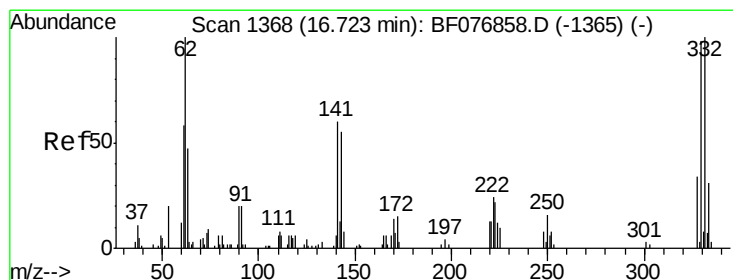
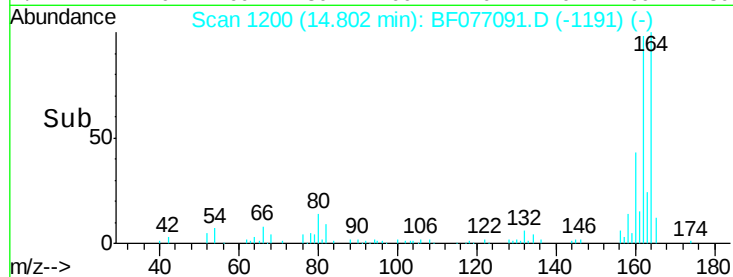
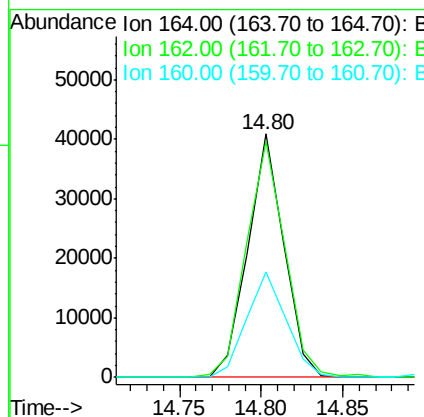
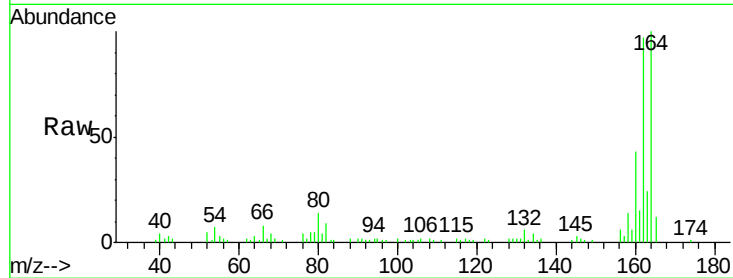




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

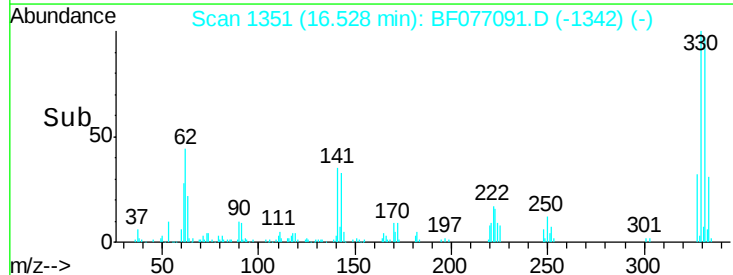
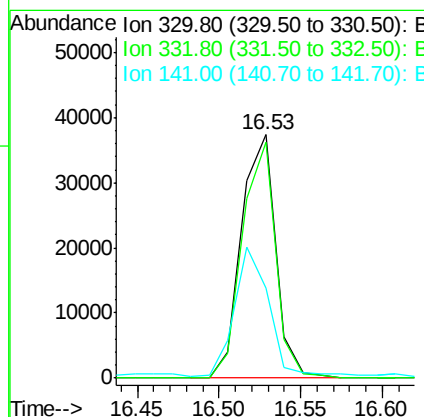
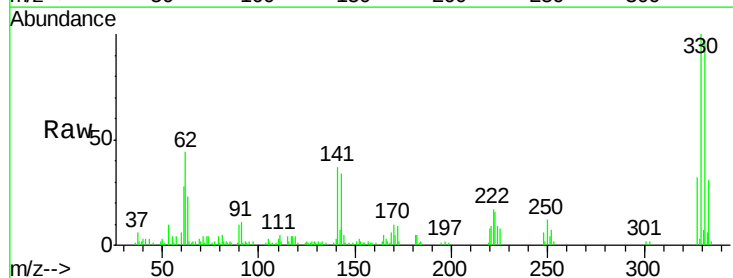
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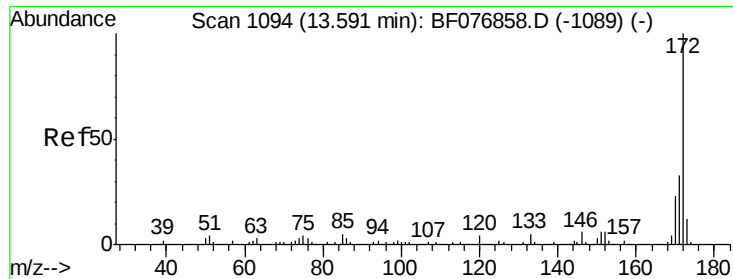
Tot Ion:164 Resp: 62734
Ion Ratio Lower Upper
164 100
162 97.0 82.4 123.6
160 43.4 34.8 52.2



#41
2,4,6-Tribromophenol
Concen: 106.69 ng
RT: 16.53 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Tgt Ion:330 Resp: 54328
Ion Ratio Lower Upper
330 100
332 94.0 77.8 116.6
141 52.5 38.5 57.7

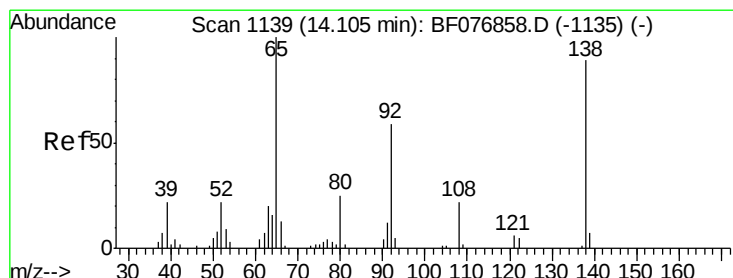
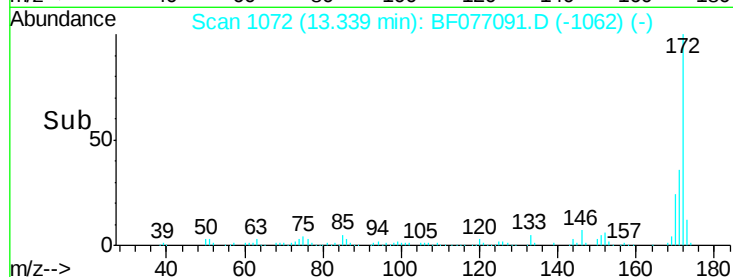
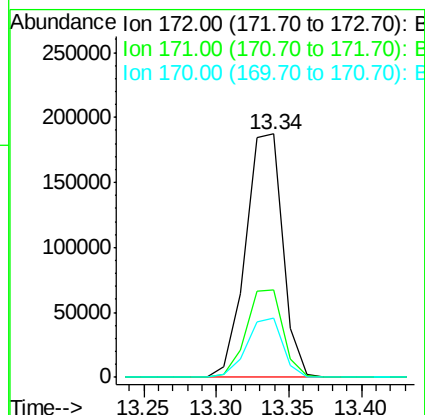
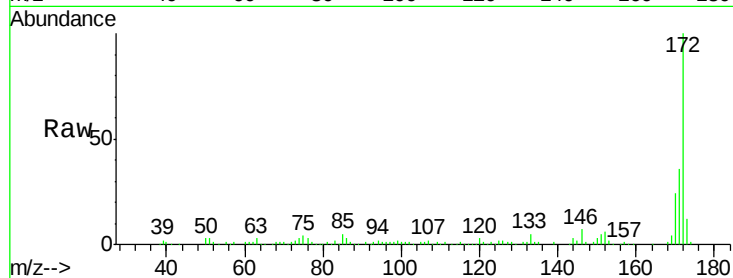




#44
2-Fluorobiphenyl
Concen: 80.77 ng
RT: 13.34 min Scan# 1072
Delta R.T. 0.01 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

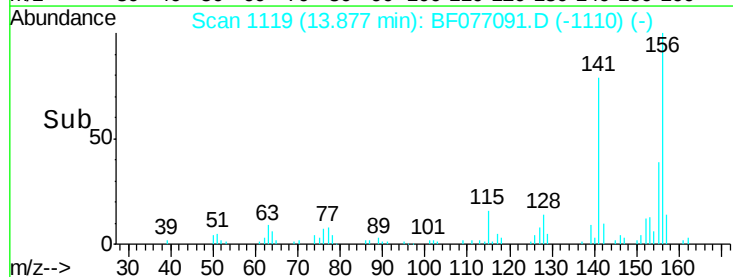
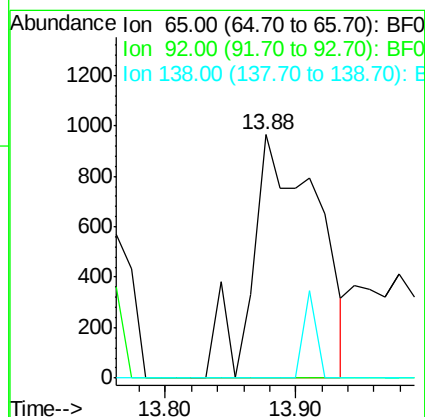
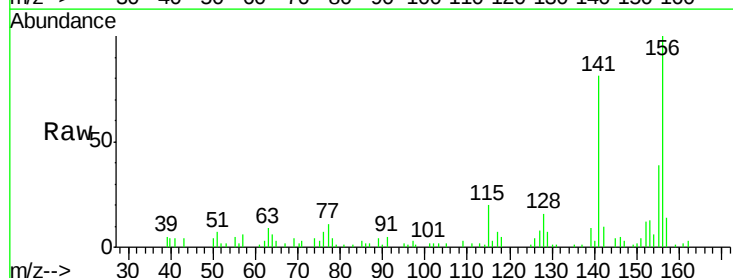
Instrument :
BNA_F
ClientSampleId :

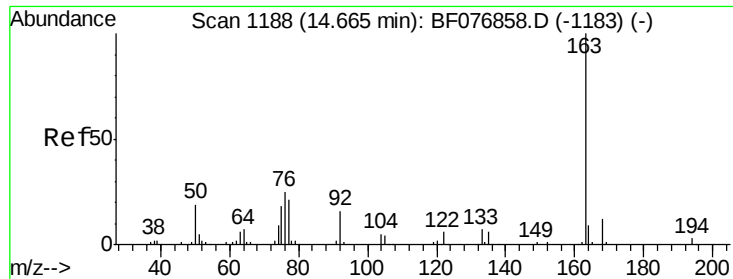
Tot Ion:172 Resp: 332955
Ion Ratio Lower Upper
172 100
171 35.8 26.6 40.0
170 24.3 18.0 27.0



#47
2-Nitroaniline
Concen: 2.92 ng
RT: 13.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Tgt Ion: 65 Resp: 3391
Ion Ratio Lower Upper
65 100
92 0.0 47.3 70.9#
138 0.0 71.4 107.2#





#49

Dimethylphthalate

Concen: 3.92 ng

RT: 14.40 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Instrument :

BNA_F

ClientSampleId :

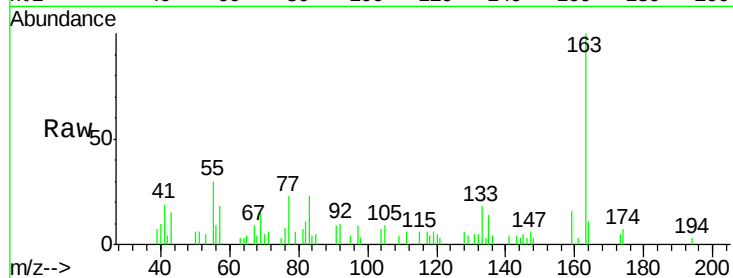
Tot Ion:163 Resp: 17459

Ion Ratio Lower Upper

163 100

194 2.8 2.6 4.0

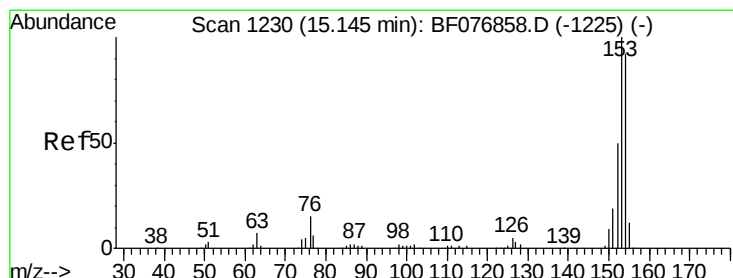
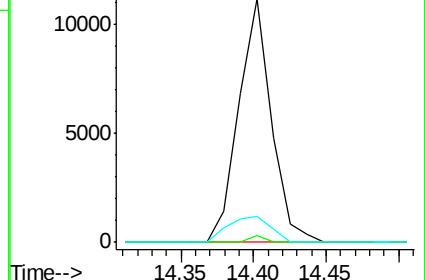
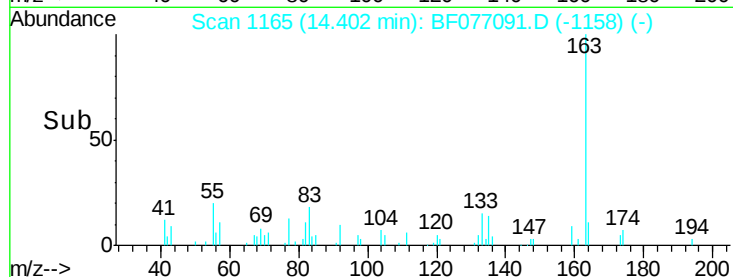
164 10.8 7.5 11.3



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



#51

Acenaphthene

Concen: 3.16 ng

RT: 14.87 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

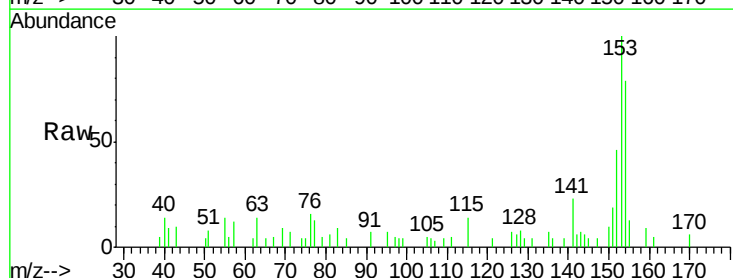
Tgt Ion:154 Resp: 11585

Ion Ratio Lower Upper

154 100

153 126.2 87.0 130.6

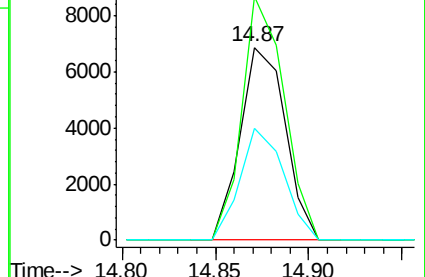
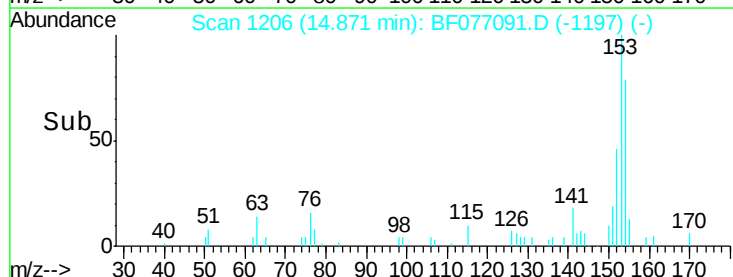
152 58.0 43.5 65.3

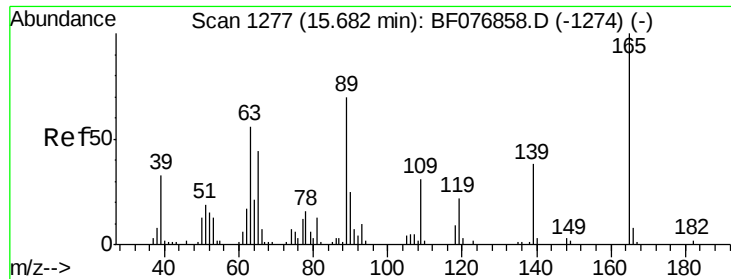


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 2.19 ng

RT: 15.47 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Instrument :

BNA_F

ClientSampleId :

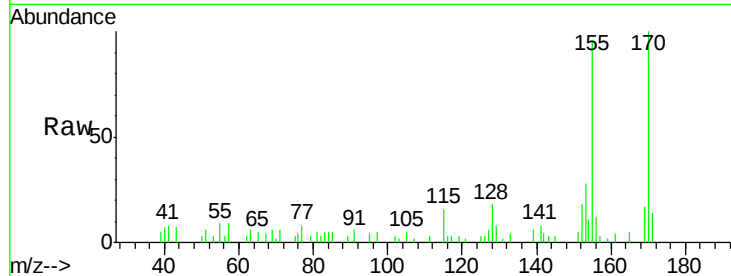
Tot Ion:139 Resp: 1529

Ion Ratio Lower Upper

139 100

109 0.0 61.0 101.0#

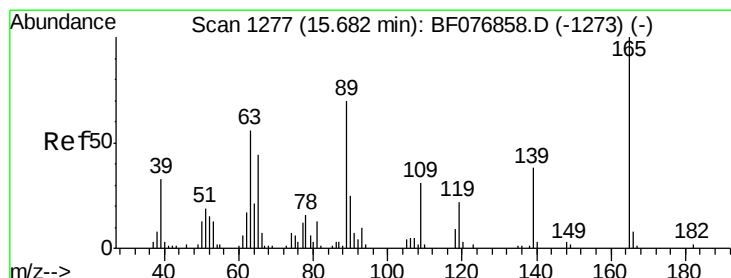
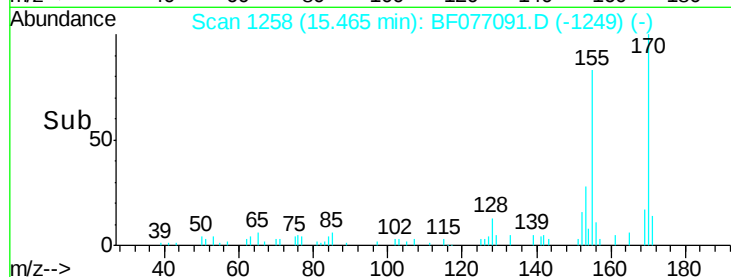
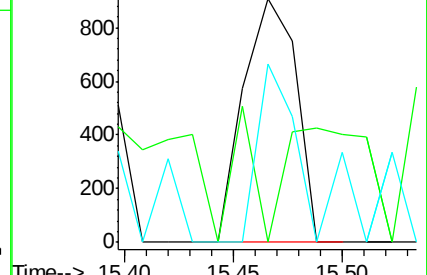
65 73.4 96.6 136.6#



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: 2.91 ng

RT: 15.48 min Scan# 1259

Delta R.T. 0.02 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Tgt Ion:165 Resp: 1108

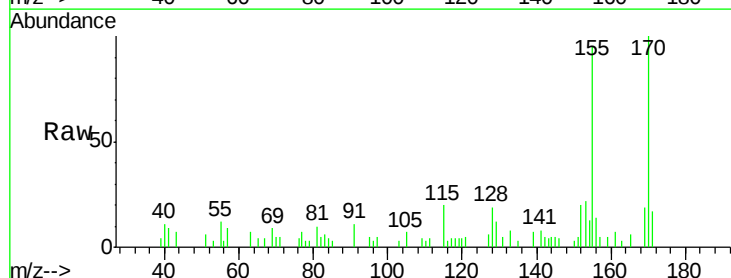
Ion Ratio Lower Upper

165 100

63 112.9 44.8 67.2#

89 0.0 56.2 84.2#

182 0.0 1.5 2.3#

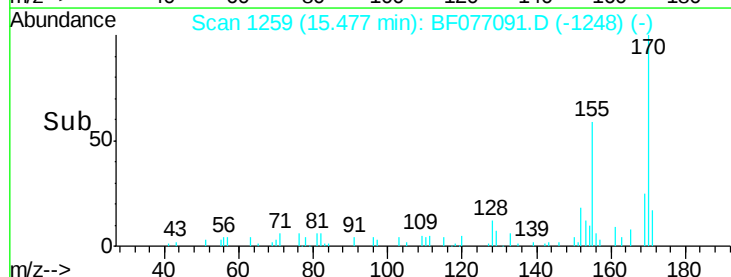
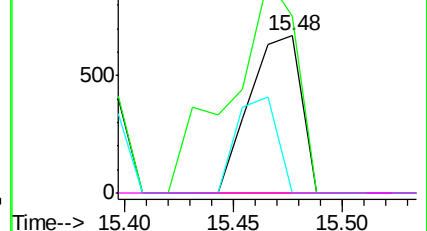


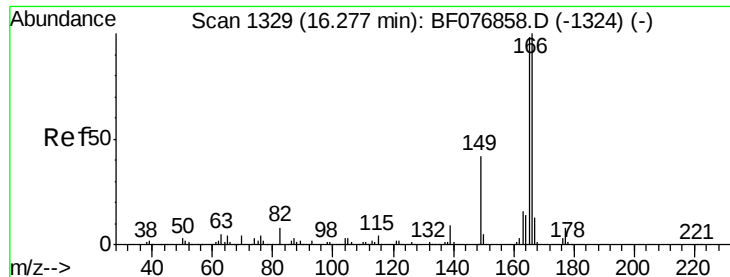
Abundance Ion 165.00 (164.70 to 165.70): E

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

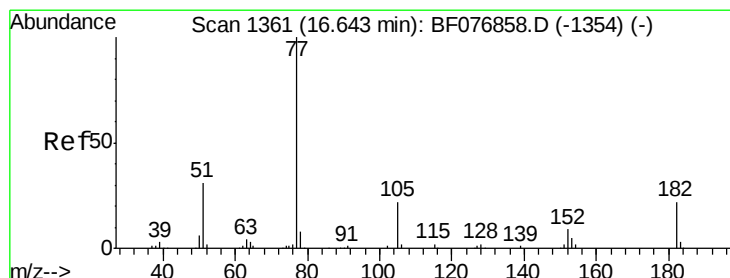
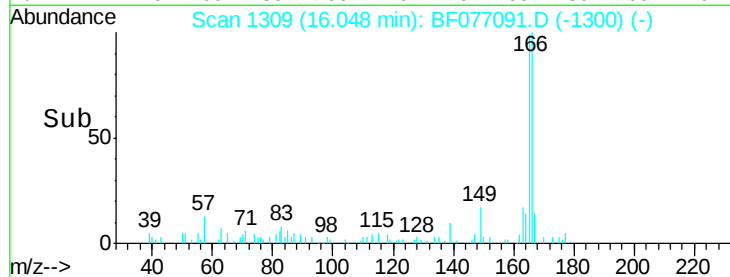
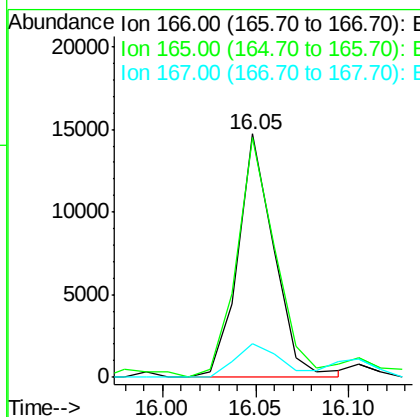
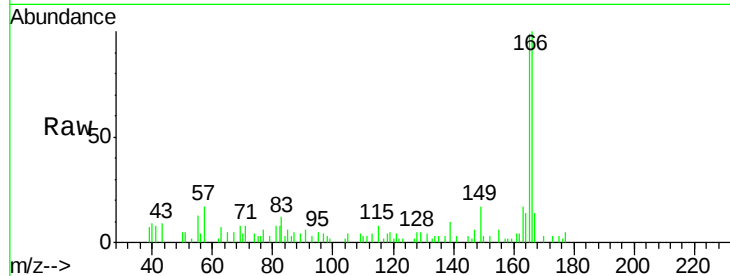




#57
 Fluorene
 Concen: 4.43 ng
 RT: 16.05 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

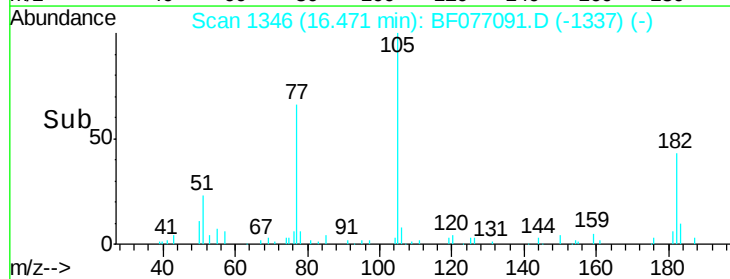
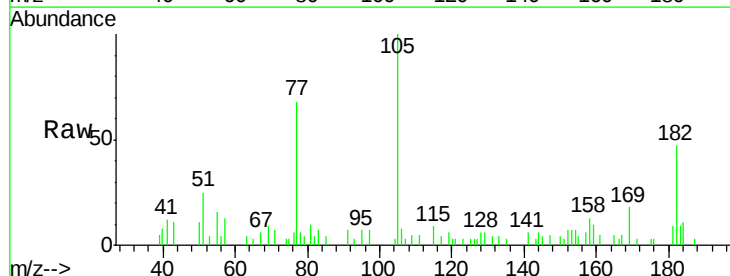
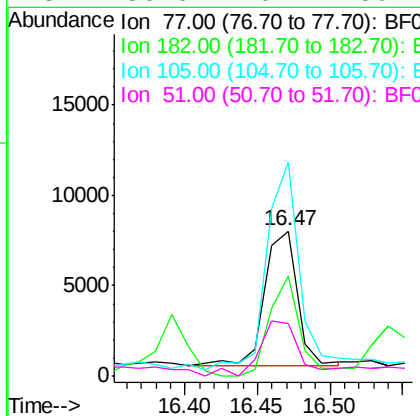
Instrument :
 BNA_F
 ClientSampleId :

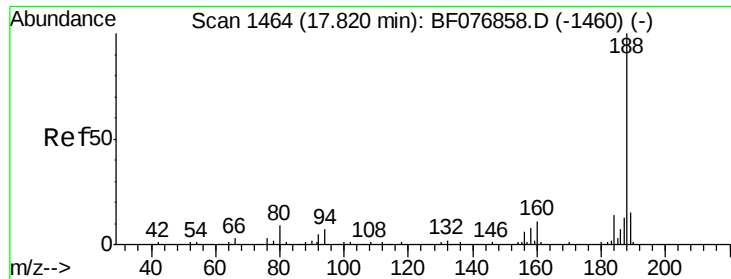
Tot Ion:166 Resp: 20045
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.5 117.7
 167 14.0 10.4 15.6



#62
 Azobenzene
 Concen: 2.55 ng
 RT: 16.47 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

Tgt Ion: 77 Resp: 11946
 Ion Ratio Lower Upper
 77 100
 182 68.6 2.0 42.0#
 105 147.4 2.3 42.3#
 51 36.6 10.7 50.7

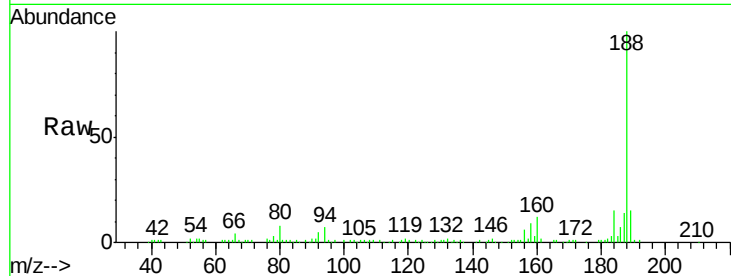




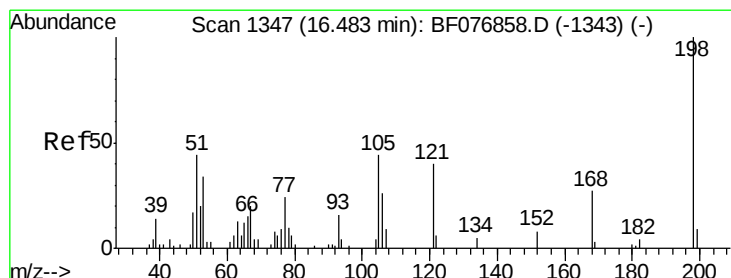
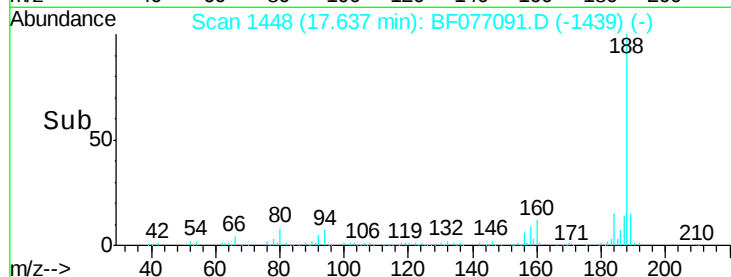
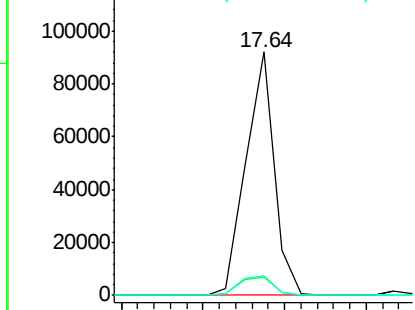
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.64 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 110330
Ion Ratio Lower Upper
188 100
94 7.3 6.0 9.0
80 8.2 6.9 10.3

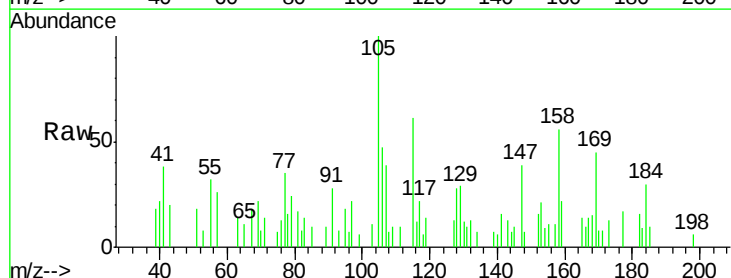


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

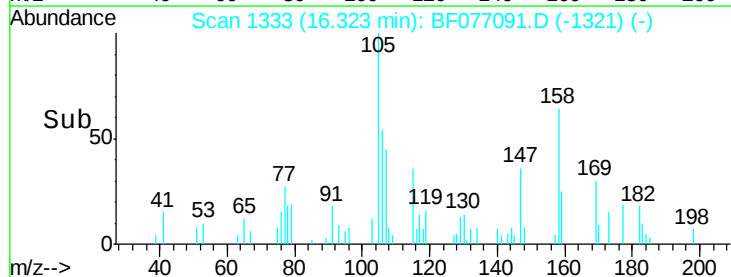
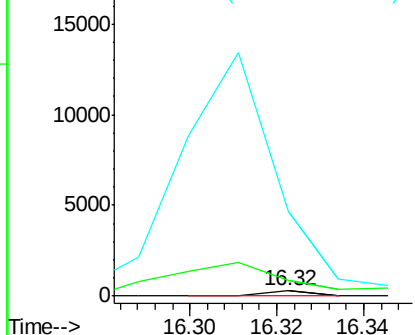


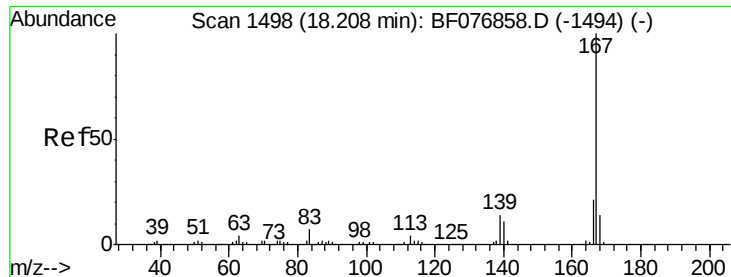
#64
4,6-Dinitro-2-methylphenol
Concen: 3.58 ng
RT: 16.32 min Scan# 1333
Delta R.T. 0.03 min
Lab File: BF077091.D
Acq: 27 Jan 2015 18:45

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 287.3 24.2 64.2#
105 1567.0 24.0 64.0#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#72

Carbazole

Concen: 8.63 ng

RT: 18.04 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Instrument :

BNA_F

ClientSampleId :

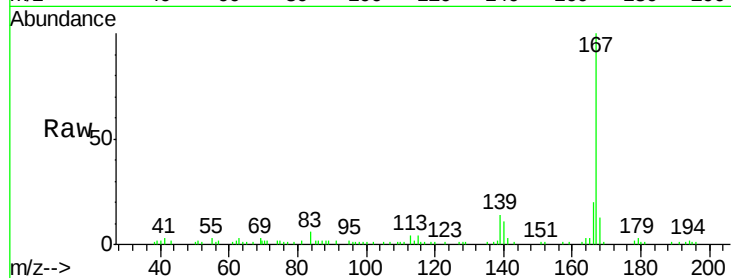
Tot Ion:167 Resp: 56172

Ion Ratio Lower Upper

167 100

166 20.0 17.0 25.6

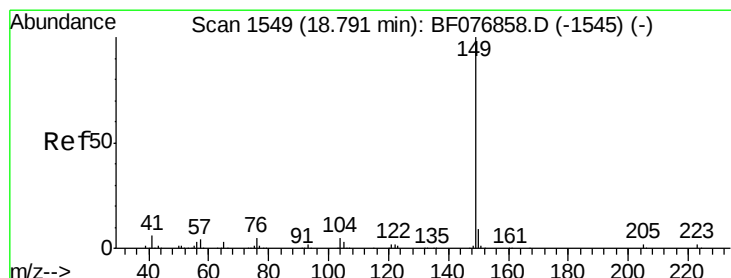
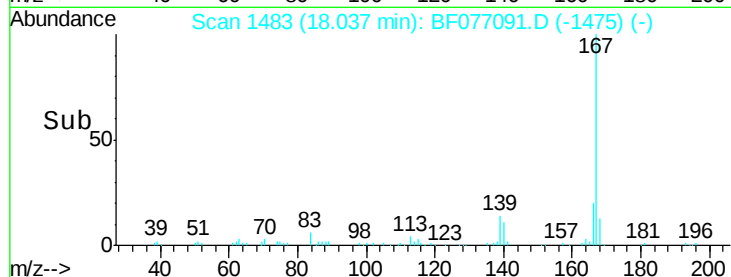
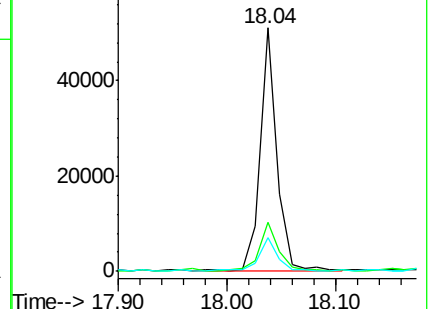
139 13.8 11.3 16.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 2.70 ng

RT: 18.63 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

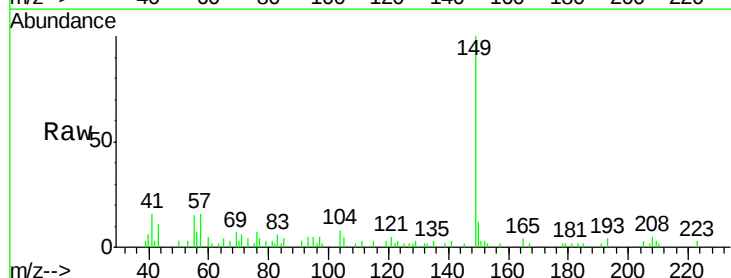
Tgt Ion:149 Resp: 20318

Ion Ratio Lower Upper

149 100

150 11.6 6.9 10.3#

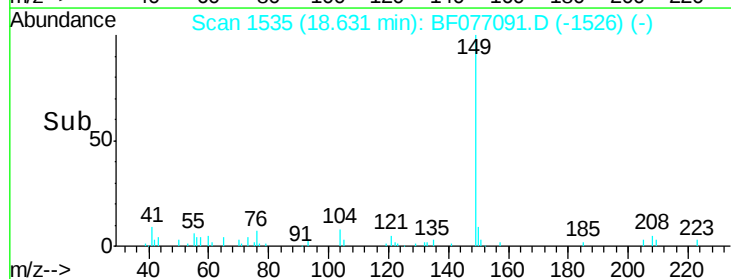
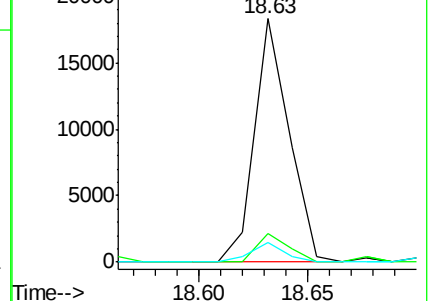
104 8.0 3.7 5.5#

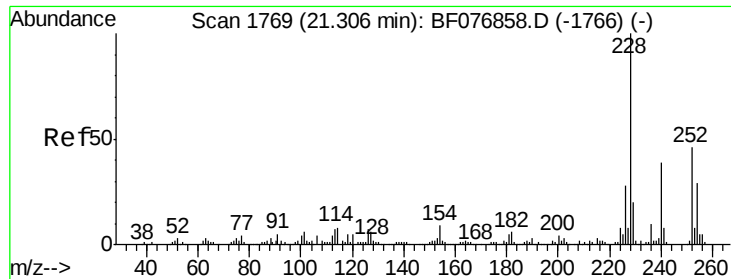


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

Instrument :

BNA_F

ClientSampleId :

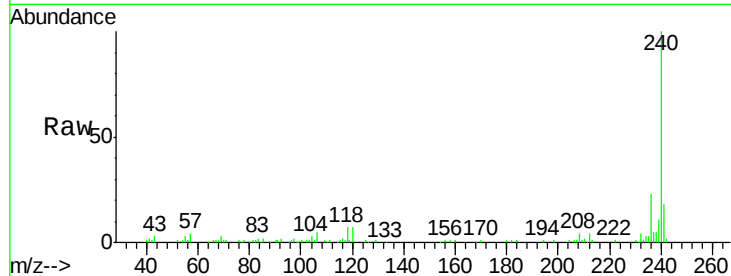
Tot Ion:240 Resp: 111054

Ion Ratio Lower Upper

240 100

120 7.1 10.4 15.6#

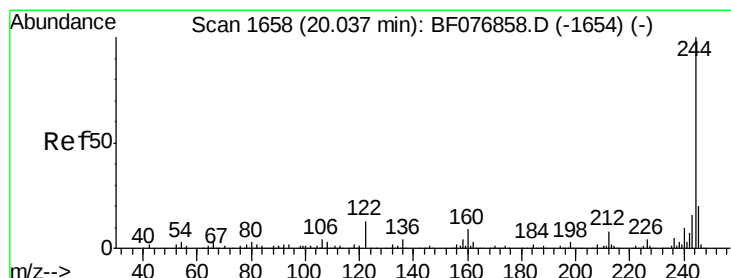
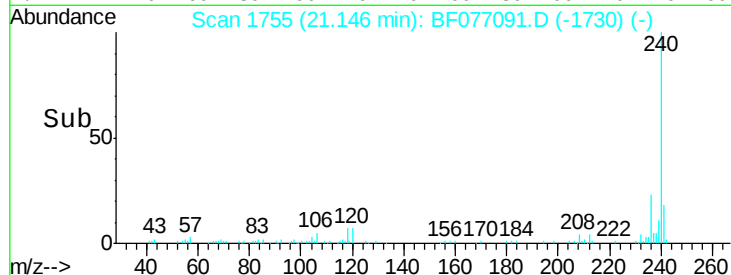
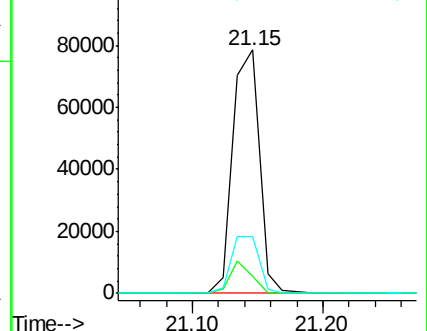
236 23.2 20.2 30.2



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: 71.99 ng

RT: 19.88 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BF077091.D

Acq: 27 Jan 2015 18:45

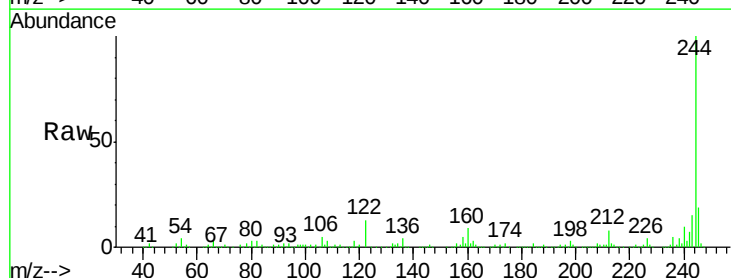
Tgt Ion:244 Resp: 347265

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

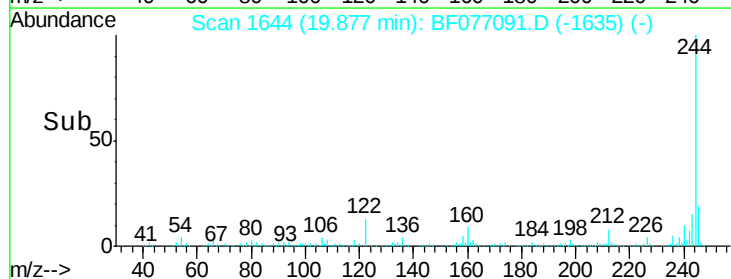
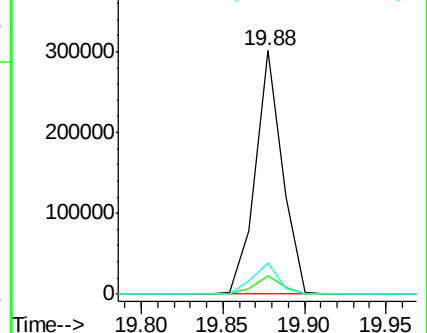
122 13.0 10.1 15.1

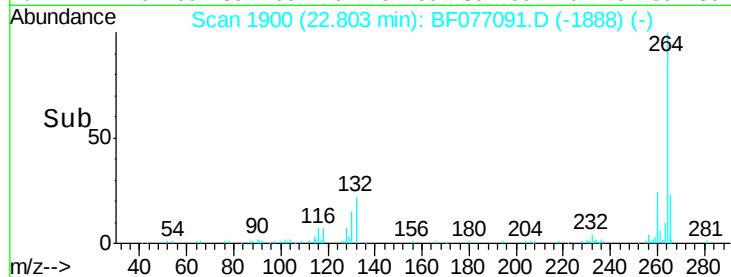
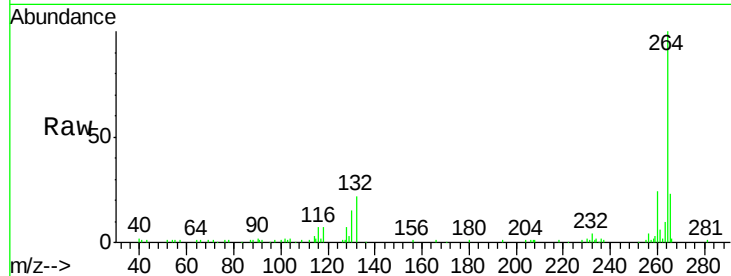
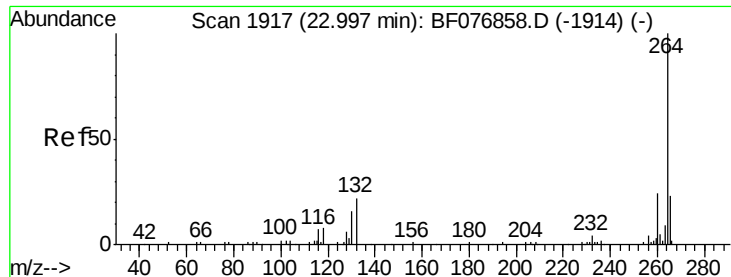


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 22.80 min Scan# 1900
 Delta R.T. -0.16 min
 Lab File: BF077091.D
 Acq: 27 Jan 2015 18:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	22.5	18.1	27.1

