

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091916\
 Data File : BF090124.D
 Acq On : 19 Sep 2016 17:08
 Operator : UM/SJ
 Sample : H4847-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1050

Quant Time: Sep 19 17:44:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	142301	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	379329	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	54254	20.00	ng	0.03
63) Phenanthrene-d10	11.10	188	112822	20.00	ng	0.05
75) Chrysene-d12	13.67	240	248410	20.00	ng	0.00
86) Perylene-d12	14.98	264	287419	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.11	112	1120884	126.68	ng	-0.01
7) Phenol-d6	6.19	99	1360631	117.46	ng	-0.01
23) Nitrobenzene-d5	7.11	82	797081	118.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	113110	207.55	ng	0.02
44) 2-Fluorobiphenyl	8.94	172	431138	124.80	ng	0.01
78) Terphenyl-d14	12.65	244	535866	51.23	ng	0.01

Target Compounds

						Qvalue
3) Pyridine	2.52	79	3330	2.98	ng	# 14
4) n-Nitrosodimethylamine	2.58	42	1009	3.34	ng	# 1
9) Benzaldehyde	6.31	77	22443	3.64	ng	# 83
15) Benzyl Alcohol	6.68	79	21142	3.24	ng	# 52
19) n-Nitroso-di-n-propylamine	6.97	70	22885	3.18	ng	# 74
25) Isophorone	7.35	82	140413	9.94	ng	# 1
26) 2-Nitrophenol	7.52	139	34633	10.05	ng	# 1
27) 2,4-Dimethylphenol	7.63	122	25187	4.15	ng	# 90
28) bis(2-Chloroethoxy)methane	7.63	93	24059	2.90	ng	# 1
29) 2,4-Dichlorophenol	7.69	162	17119	3.20	ng	# 1
30) 1,2,4-Trichlorobenzene	7.76	180	17077	3.23	ng	# 69
32) Benzoic acid	7.63	122	25187	6.27	ng	# 36
33) 4-Chloroaniline	7.86	127	23824	3.00	ng	# 38
35) Caprolactam	8.32	113	319258	178.51	ng	# 34
36) 4-Chloro-3-methylphenol	8.39	107	98662	15.87	ng	# 30
42) 2,4,6-Trichlorophenol	8.88	196	7270	7.19	ng	# 19
43) 2,4,5-Trichlorophenol	8.88	196	7397	6.80	ng	# 1
45) 1,1'-Biphenyl	8.82	154	79723	17.96	ng	# 89
47) 2-Nitroaniline	9.15	65	21917	20.87	ng	# 55
48) Acenaphthylene	9.50	152	64601	11.69	ng	# 1
49) Dimethylphthalate	9.32	163	118482	29.40	ng	# 63
50) 2,6-Dinitrotoluene	9.47	165	95039	105.54	ng	# 44
51) Acenaphthene	9.63	154	29815	9.66	ng	# 63
52) 3-Nitroaniline	9.62	138	11597	10.58	ng	# 46
53) 2,4-Dinitrophenol	9.62	184	6163	12.59	ng	# 1
54) Dibenzofuran	9.85	168	21946	5.14	ng	# 1
55) 4-Nitrophenol	9.77	139	13474	17.48	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	26697	24.32	ng	# 38
57) Fluorene	10.16	166	32855	8.16	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	9.99	232	7004	8.44	ng	# 33
59) Diethylphthalate	9.98	149	49606	12.71	ng	# 3
61) 4-Nitroaniline	10.14	138	27510	24.80	ng	# 37
62) Azobenzene	10.34	77	45040	11.00	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.27	198	8202	12.05	ng	# 1

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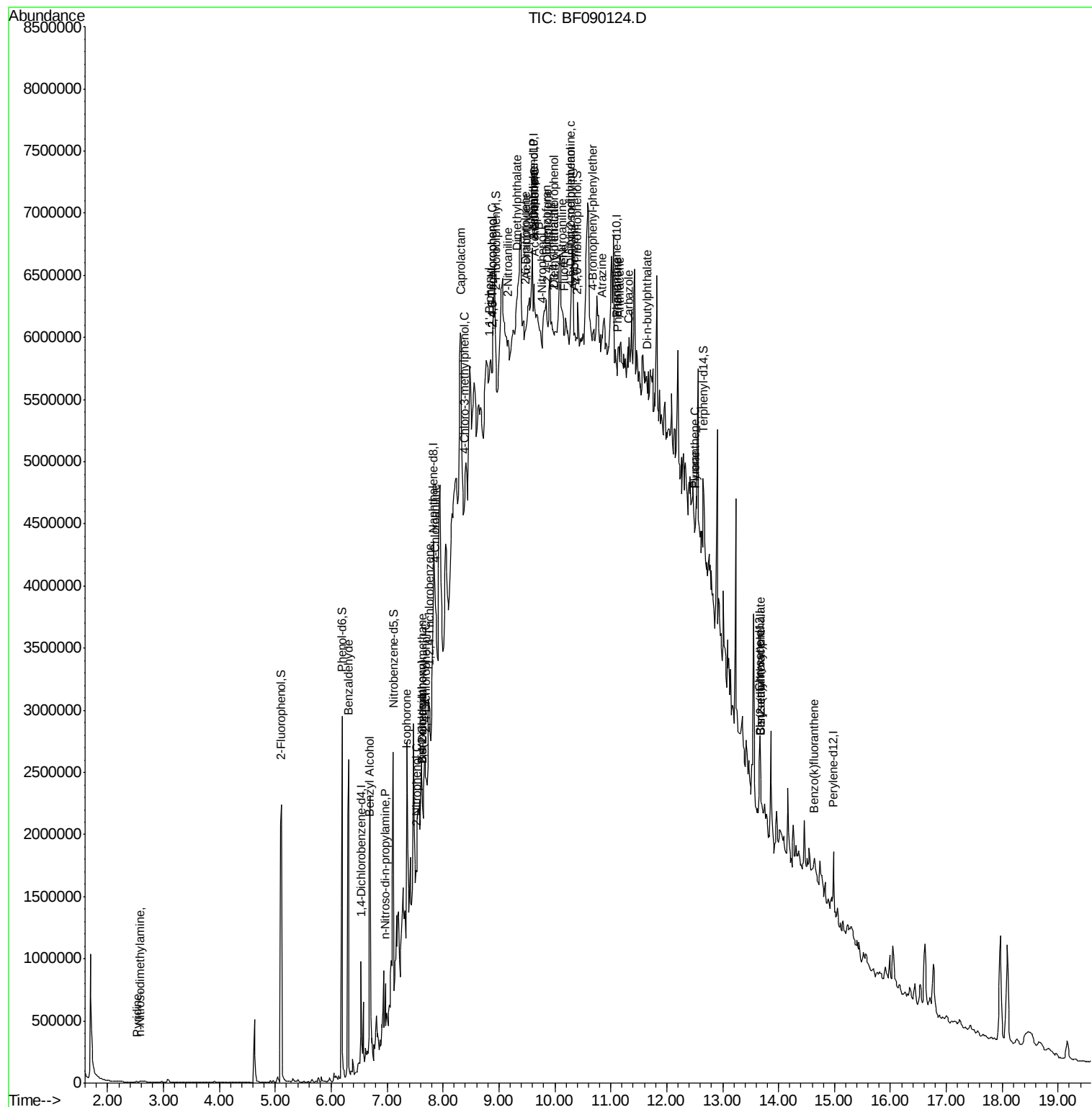
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) n-Nitrosodiphenylamine	10.28	169	113766	31.82	ng	# 51
66) 4-Bromophenyl-phenylether	10.67	248	6317	5.81	ng	# 1
68) Atrazine	10.83	200	37150	34.97	ng	# 1
70) Phenanthrene	11.12	178	56952	10.45	ng	# 1
71) Anthracene	11.15	178	34368	5.77	ng	# 1
72) Carbazole	11.31	167	23009	3.77	ng	# 1
73) Di-n-butylphthalate	11.66	149	46414	6.78	ng	# 1
74) Fluoranthene	12.50	202	210716	36.89	ng	91
77) Pyrene	12.50	202	210716	11.62	ng	# 92
80) Benzo(a)anthracene	13.68	228	47633	3.28	ng	# 40
82) Chrysene	13.68	228	48439	3.56	ng	# 47
83) Bis(2-ethylhexyl)phthalate	13.68	149	42879	3.84	ng	# 87
88) Benzo(k)fluoranthene	14.64	252	32254	2.13	ng	# 1

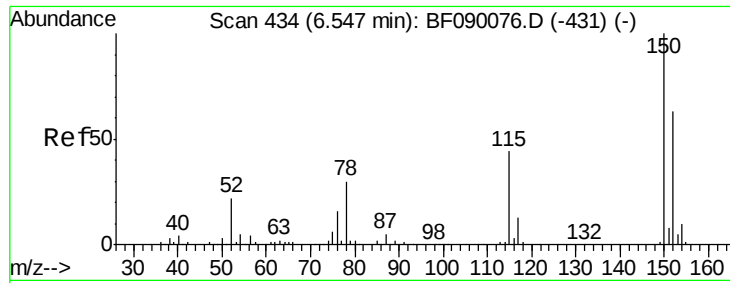
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

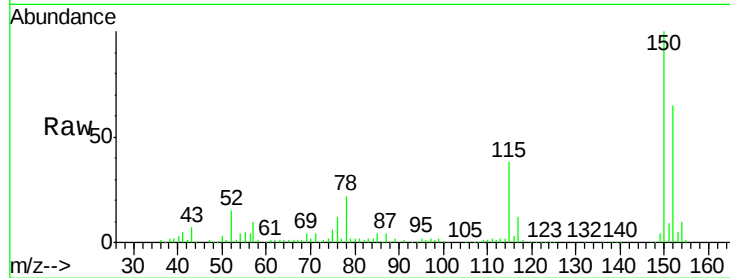
Tgt Ion:152 Resp: 142301

Ion Ratio Lower Upper

152 100

150 154.2 128.9 193.3

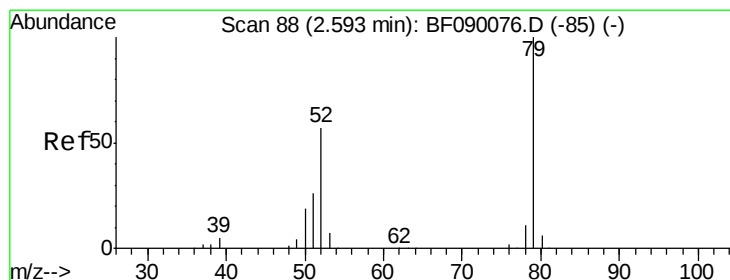
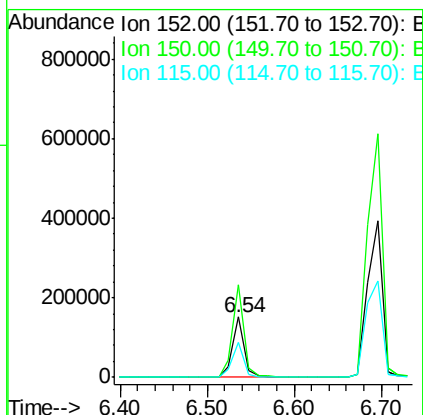
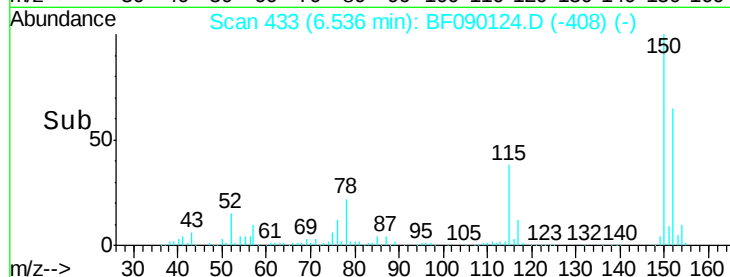
115 58.1 55.5 83.3



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



#3

Pyridine

Concen: 2.98 ng

RT: 2.52 min Scan# 82

Delta R.T. -0.07 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

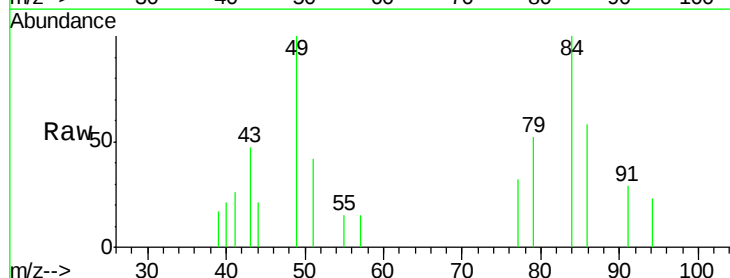
Tgt Ion: 79 Resp: 3330

Ion Ratio Lower Upper

79 100

52 0.0 45.9 68.9#

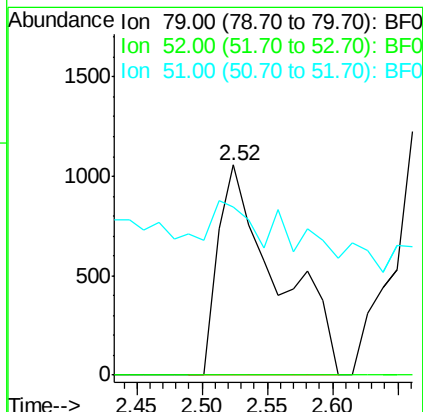
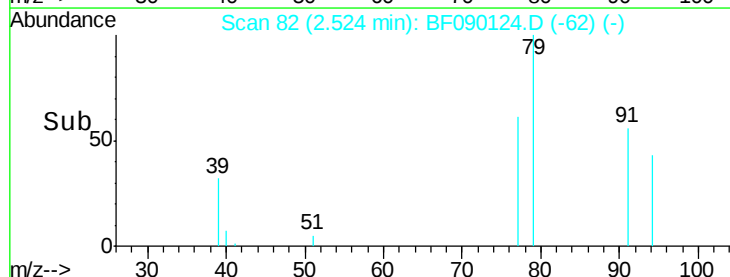
51 80.3 21.3 31.9#

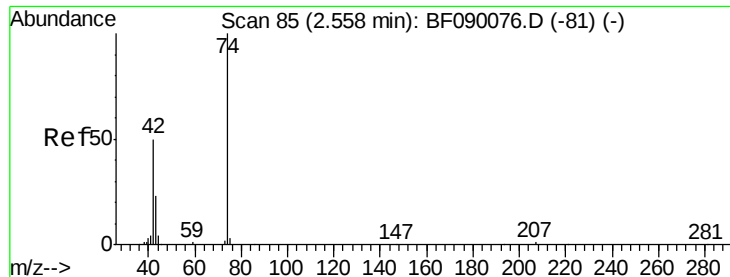


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 3.34 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

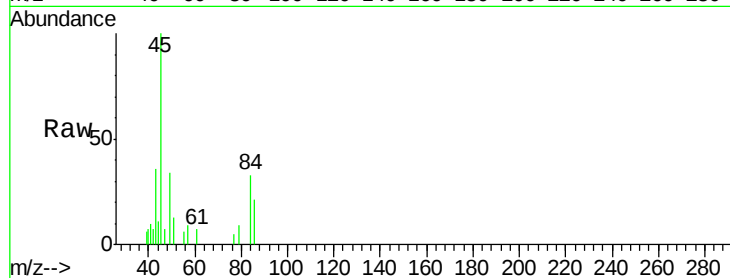
Tgt Ion: 42 Resp: 1009

Ion Ratio Lower Upper

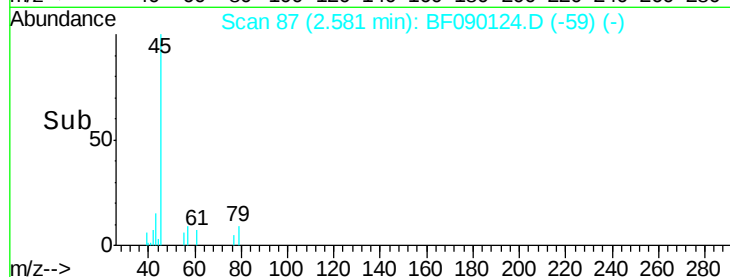
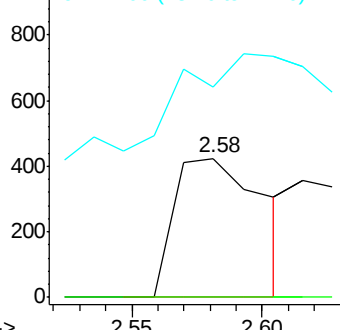
42 100

74 0.0 158.7 238.1#

44 151.2 6.4 9.6#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 126.68 ng

RT: 5.11 min Scan# 308

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

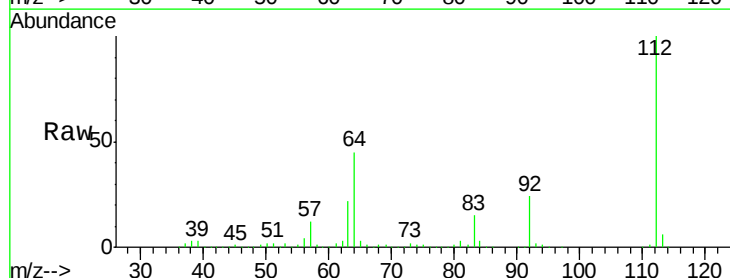
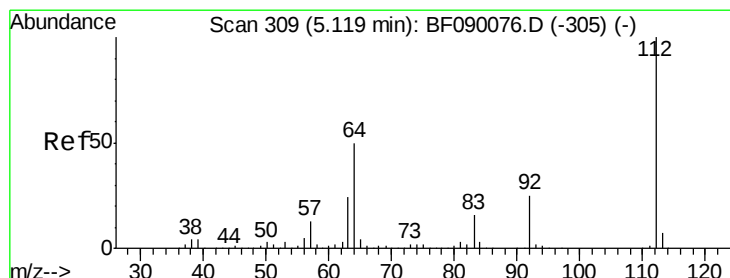
Tgt Ion: 112 Resp: 1120884

Ion Ratio Lower Upper

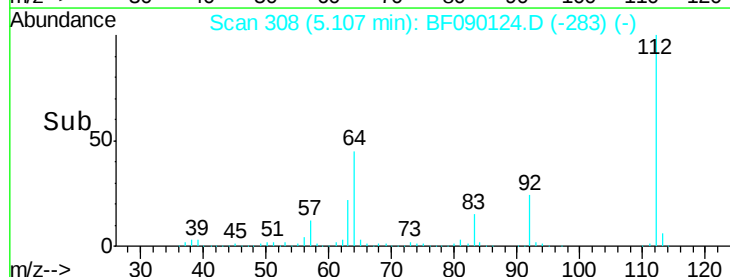
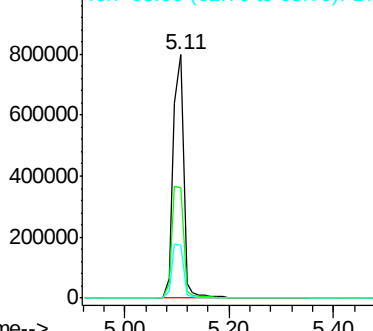
112 100

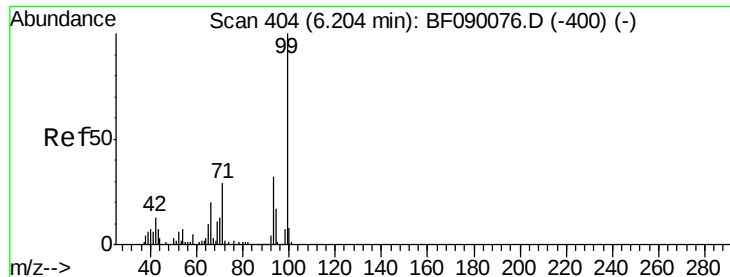
64 45.3 39.8 59.6

63 21.6 18.9 28.3



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: 117.46 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

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ClientSampleId :

1050

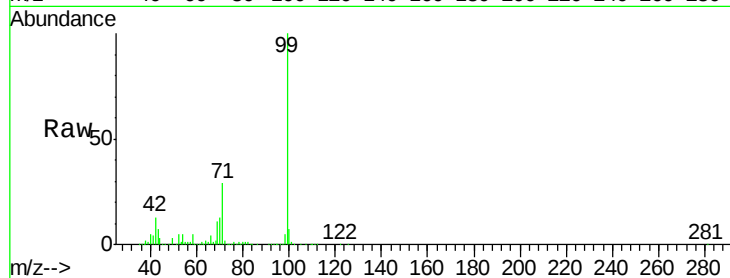
Tgt Ion: 99 Resp: 1360631

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

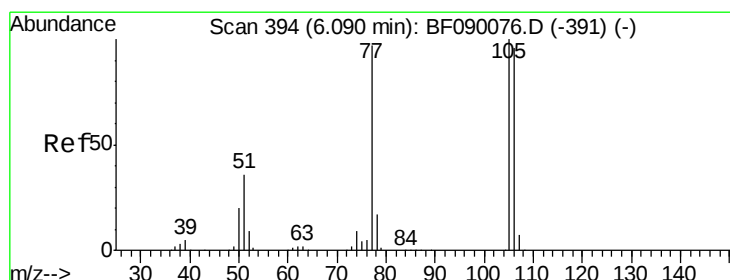
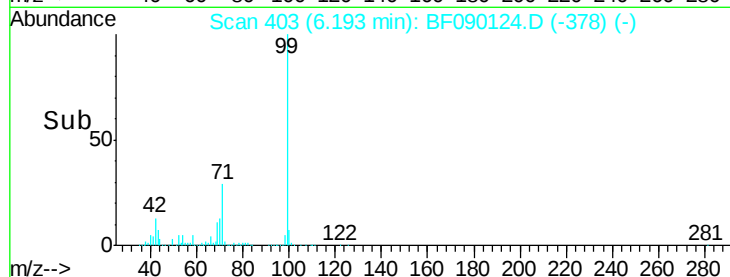
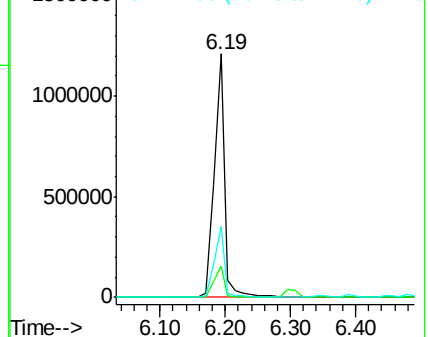
71 29.3 23.0 34.6



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



#9

Benzaldehyde

Concen: 3.64 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.22 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

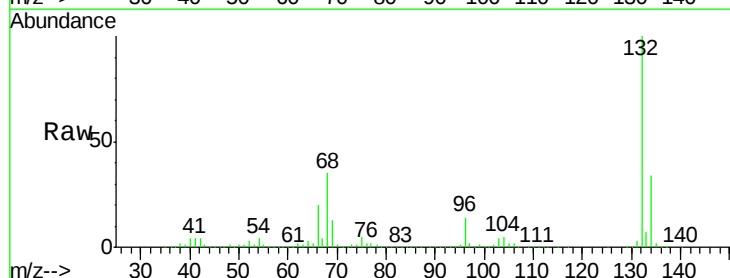
Tgt Ion: 77 Resp: 22443

Ion Ratio Lower Upper

77 100

105 88.6 83.0 123.0

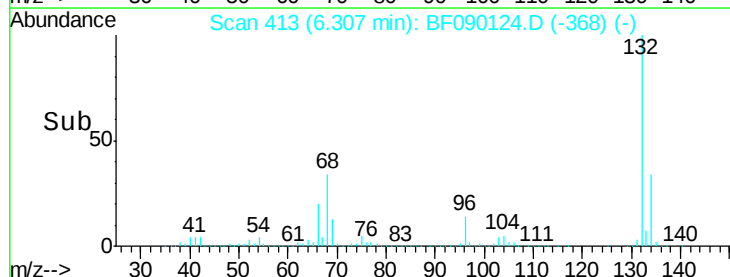
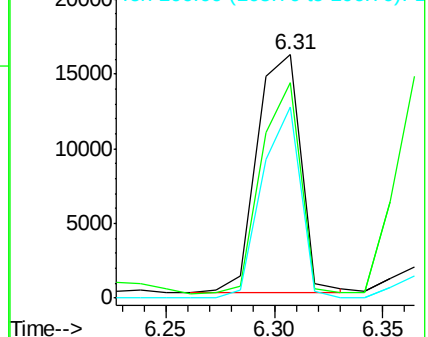
106 78.8 78.5 118.5

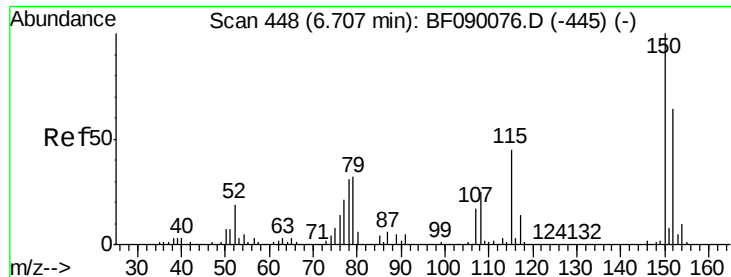


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

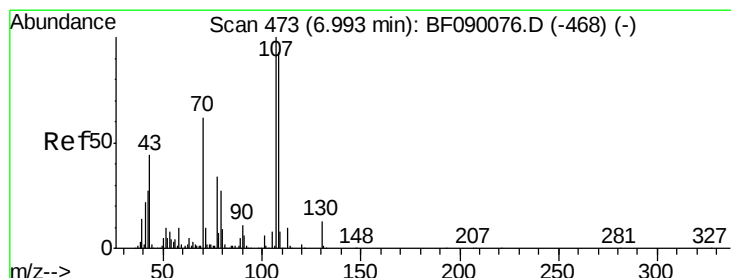
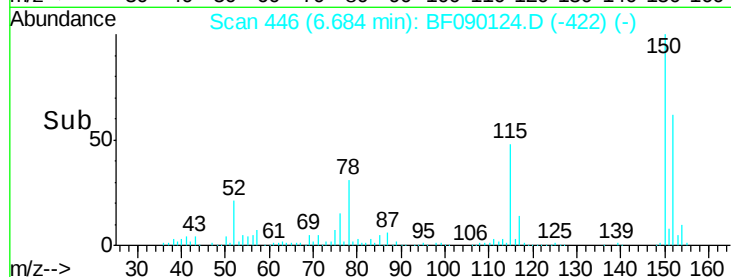
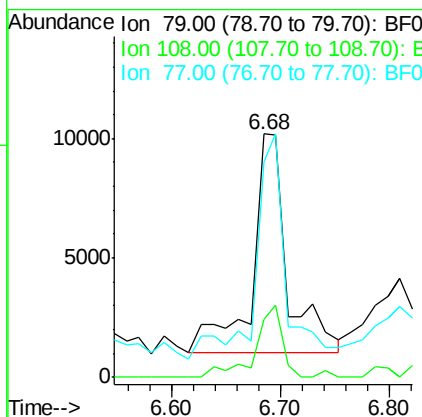
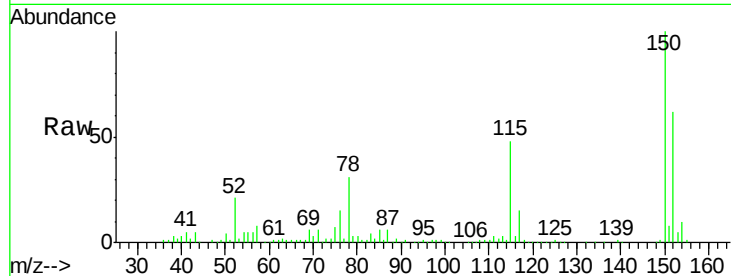




#15
Benzyl Alcohol
Concen: 3.24 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

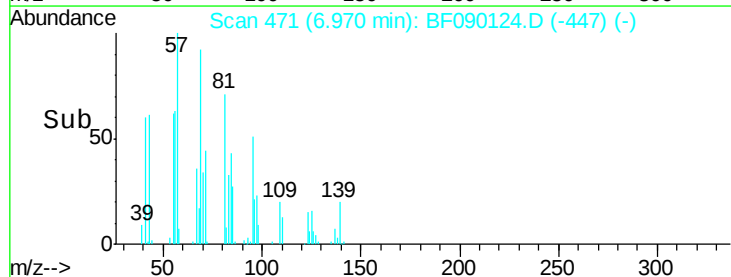
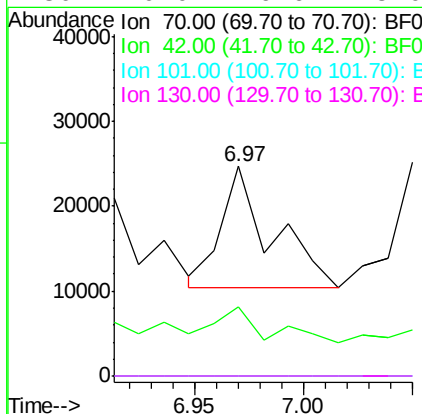
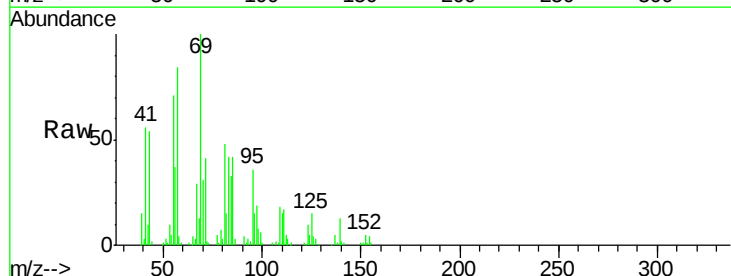
Instrument :
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ClientSampleId :
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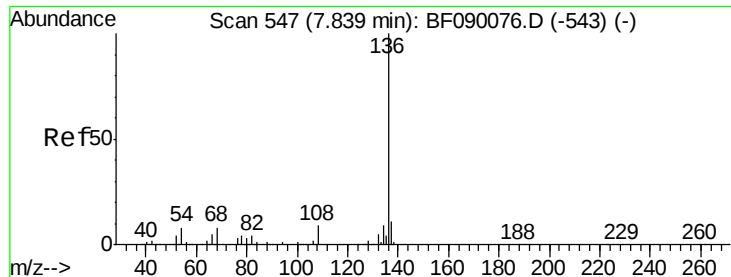
Tgt Ion: 79 Resp: 21142
Ion Ratio Lower Upper
79 100
108 24.1 62.2 93.4#
77 88.6 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 3.18 ng
RT: 6.97 min Scan# 471
Delta R.T. -0.02 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

Tgt Ion: 70 Resp: 22885
Ion Ratio Lower Upper
70 100
42 32.9 35.1 52.7#
101 0.0 7.5 11.3#
130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

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1050

Tgt Ion: 136 Resp: 379329

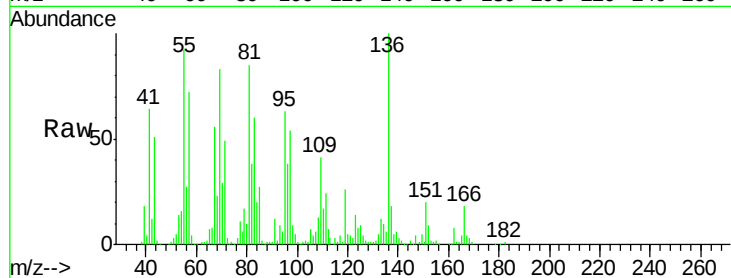
Ion Ratio Lower Upper

136 100

137 18.2 9.0 13.4#

54 15.7 6.4 9.6#

68 23.1 6.3 9.5#



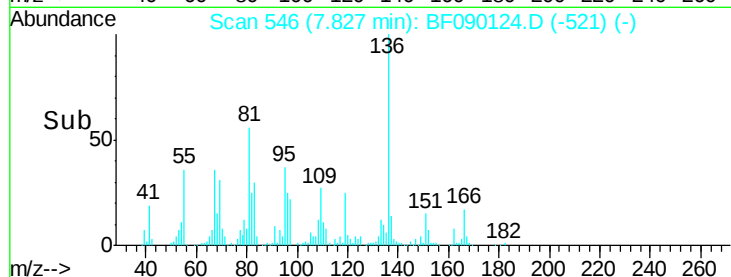
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

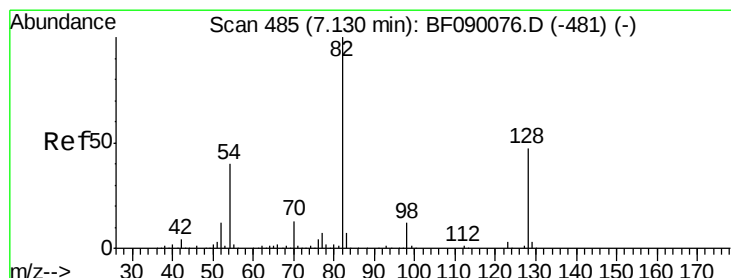
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 118.15 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

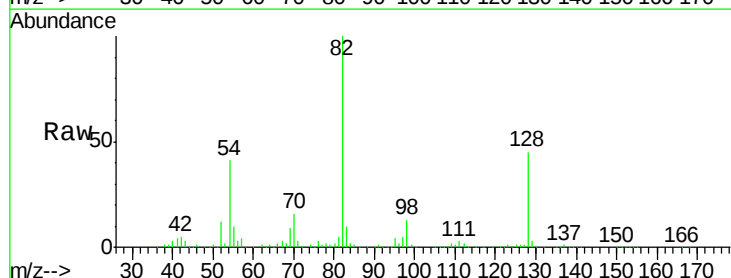
Tgt Ion: 82 Resp: 797081

Ion Ratio Lower Upper

82 100

128 45.2 37.5 56.3

54 41.1 31.9 47.9

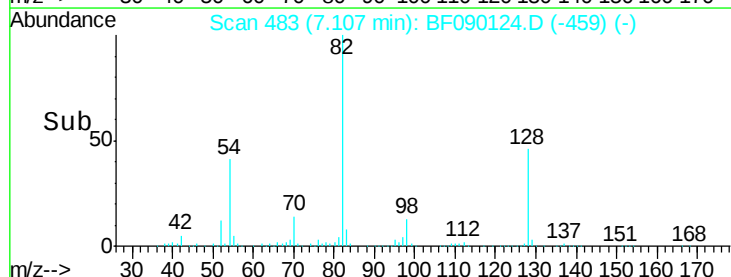


Abundance Ion 82.00 (81.70 to 82.70): BF0

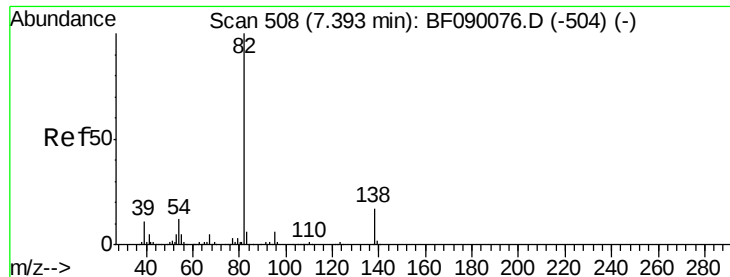
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



Time-->



#25

Isophorone

Concen: 9.94 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.05 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampled :

1050

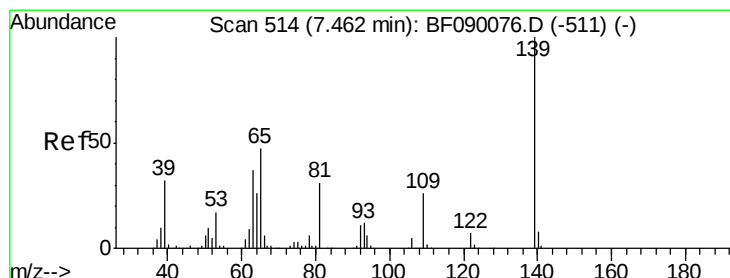
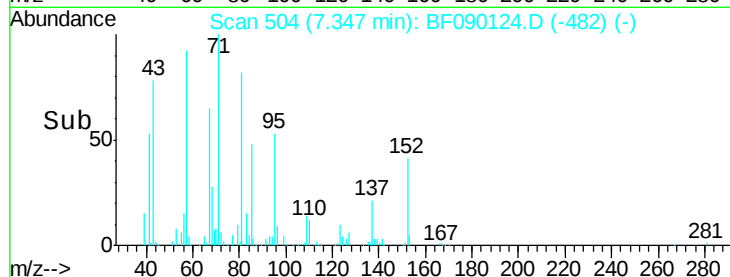
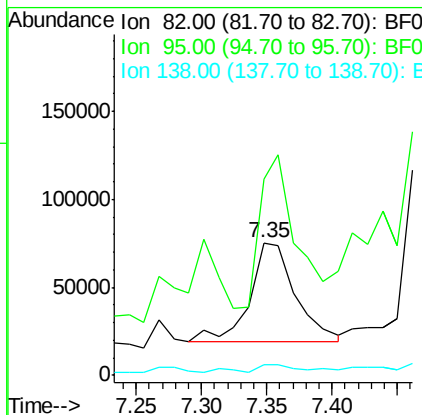
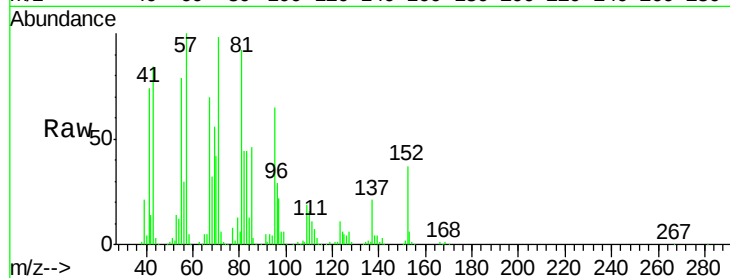
Tgt Ion: 82 Resp: 140413

Ion Ratio Lower Upper

82 100

95 147.4 5.1 7.7#

138 8.0 13.5 20.3#



#26

2-Nitrophenol

Concen: 10.05 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.06 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

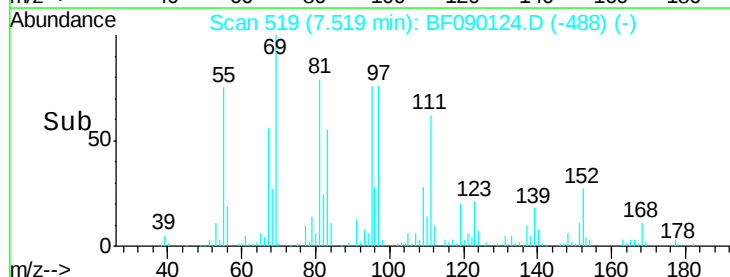
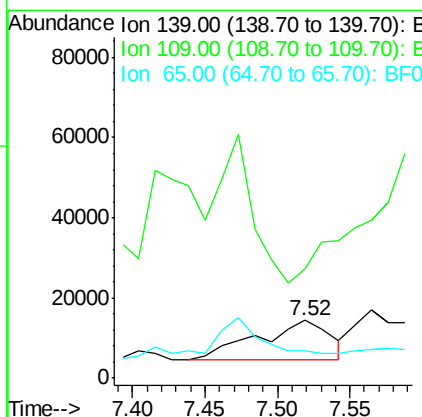
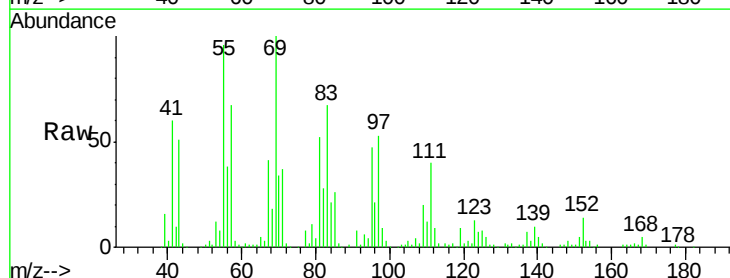
Tgt Ion: 139 Resp: 34633

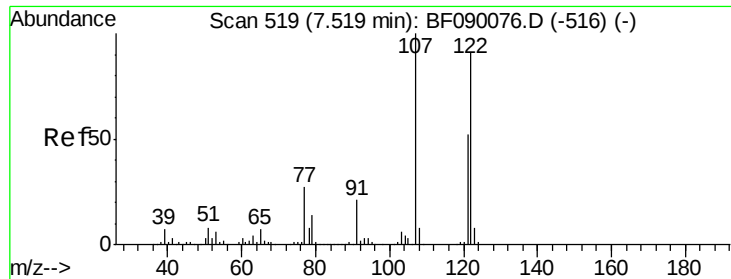
Ion Ratio Lower Upper

139 100

109 190.2 20.5 30.7#

65 47.5 37.9 56.9

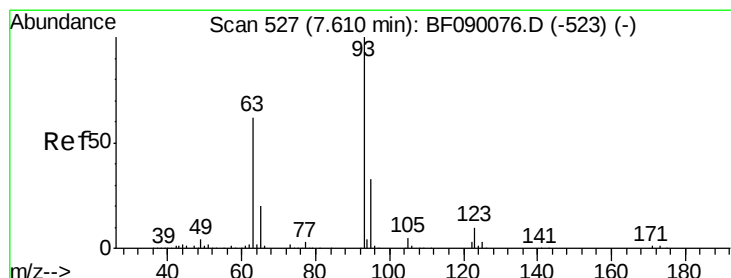
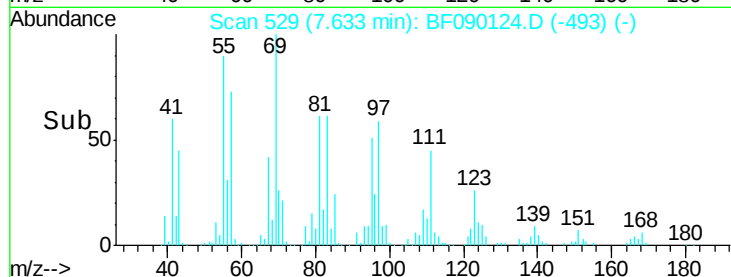
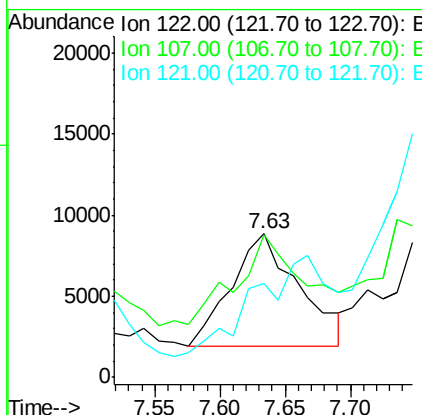
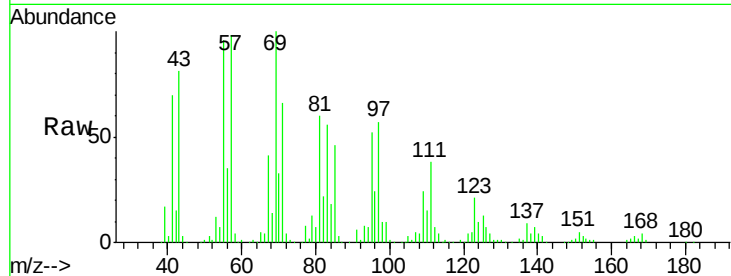




#27
2,4-Dimethylphenol
Concen: 4.15 ng
RT: 7.63 min Scan# 529
Delta R.T. 0.11 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

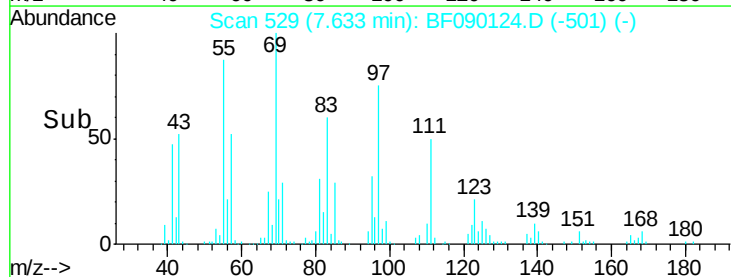
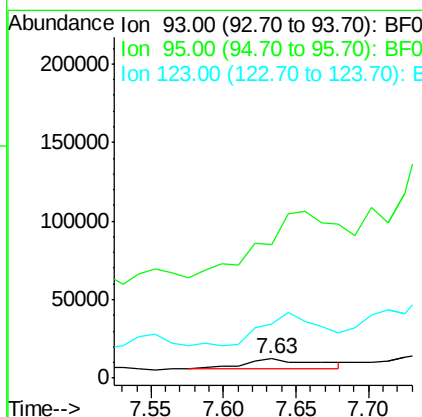
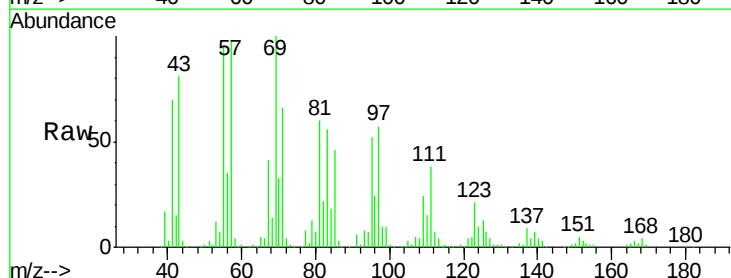
Instrument :
BNA_F
ClientSampleId :
1050

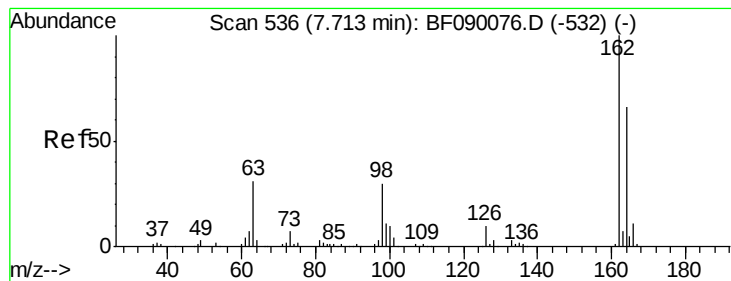
Tgt Ion:122 Resp: 25187
Ion Ratio Lower Upper
122 100
107 99.6 87.8 131.6
121 65.6 45.7 68.5



#28
bis(2-Chloroethoxy)methane
Concen: 2.90 ng
RT: 7.63 min Scan# 529
Delta R.T. 0.02 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

Tgt Ion: 93 Resp: 24059
Ion Ratio Lower Upper
93 100
95 691.9 26.8 40.2#
123 279.7 8.5 12.7#





#29

2,4-Dichlorophenol

Concen: 3.20 ng

RT: 7.69 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

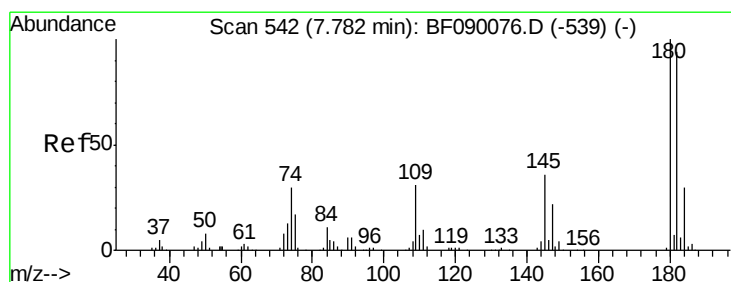
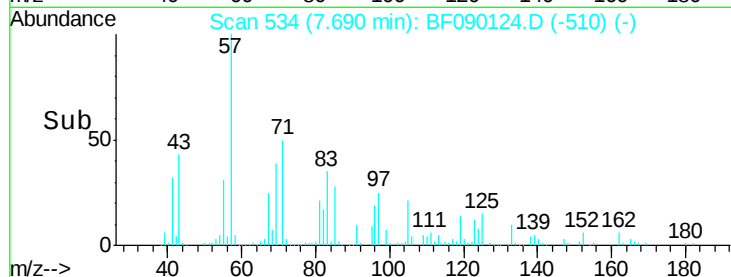
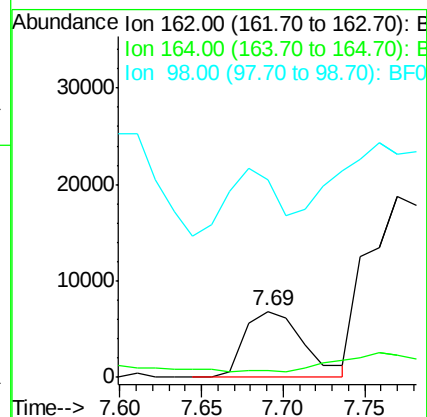
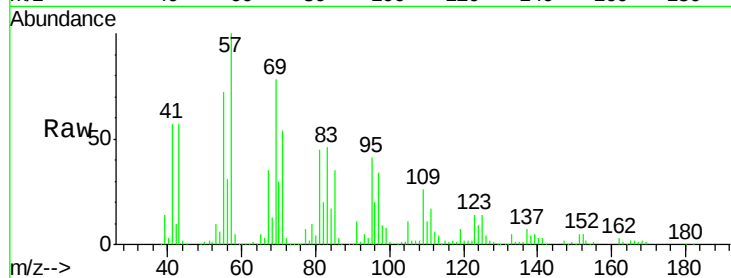
Tgt Ion:162 Resp: 17119

Ion Ratio Lower Upper

162 100

164 9.5 46.2 86.2#

98 299.7 10.4 50.4#



#30

1,2,4-Trichlorobenzene

Concen: 3.23 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

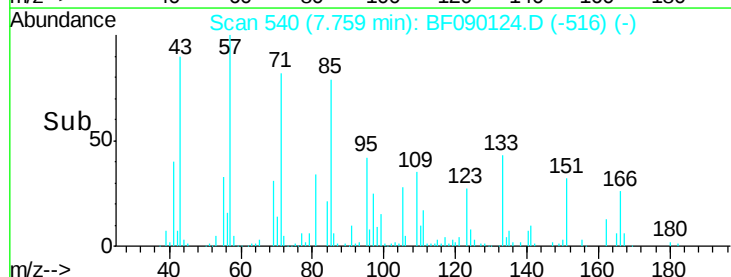
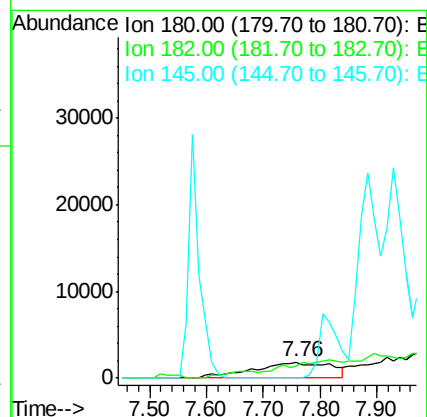
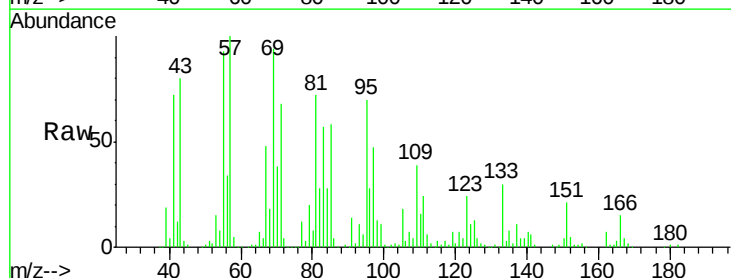
Tgt Ion:180 Resp: 17077

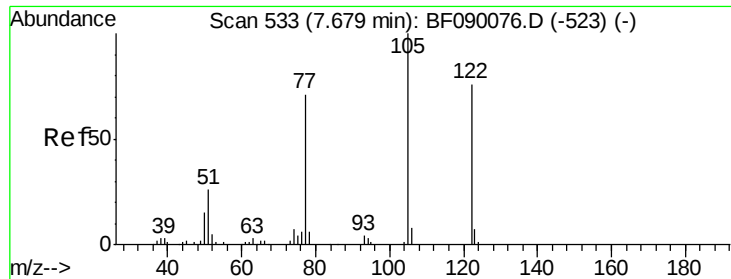
Ion Ratio Lower Upper

180 100

182 75.0 75.0 112.6#

145 0.0 28.6 42.8#





#32

Benzoic acid

Concen: 6.27 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

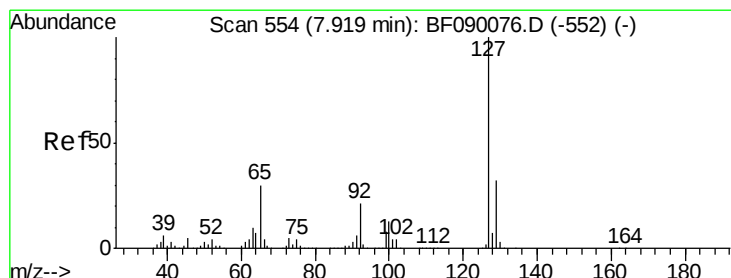
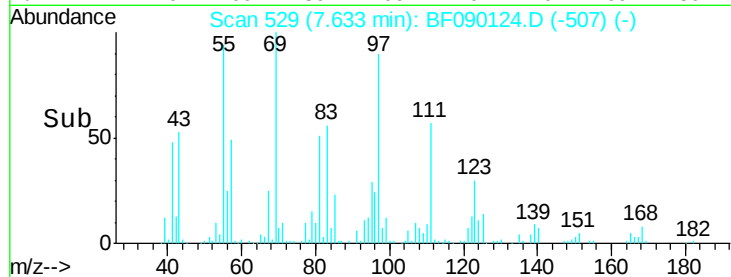
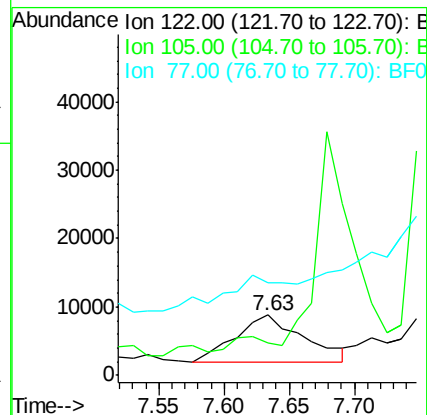
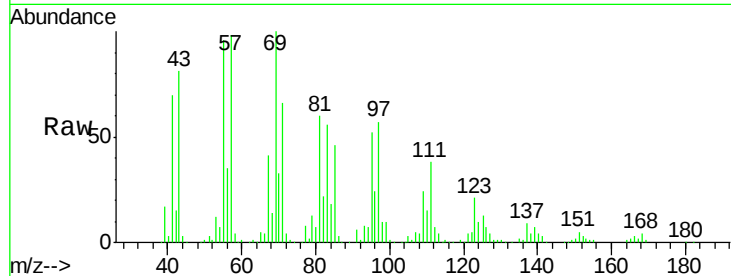
Tgt Ion:122 Resp: 25187

Ion Ratio Lower Upper

122 100

105 54.0 105.0 145.0#

77 153.8 70.4 110.4#



#33

4-Chloroaniline

Concen: 3.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.06 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Tgt Ion:127 Resp: 23824

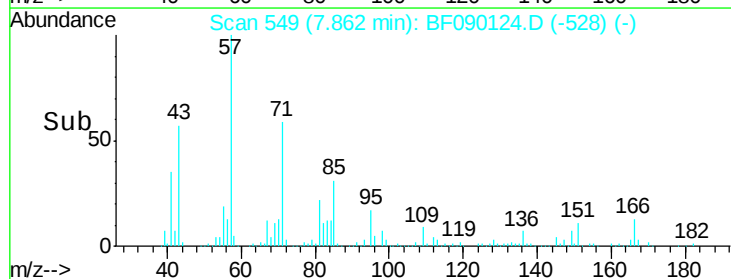
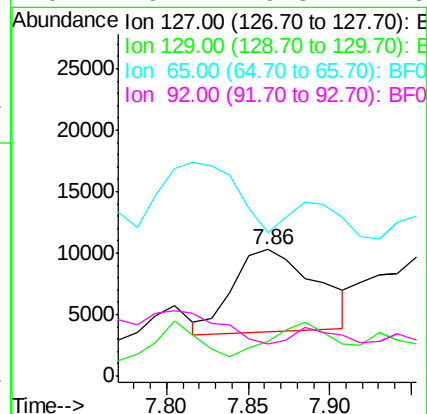
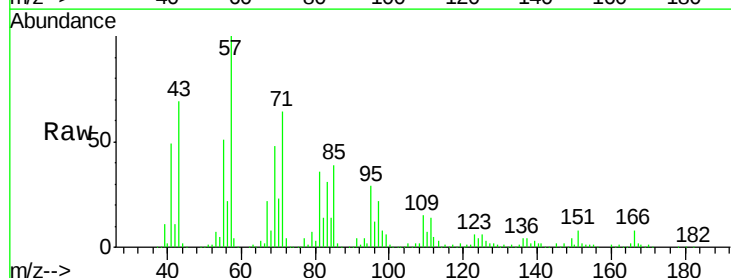
Ion Ratio Lower Upper

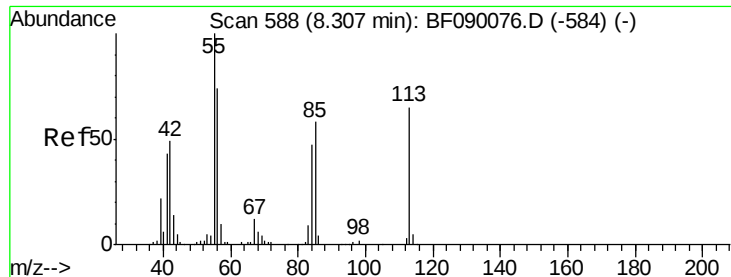
127 100

129 26.9 25.8 38.6

65 113.4 24.1 36.1#

92 25.4 16.3 24.5#





#35

Caprolactam

Concen: 178.51 ng

RT: 8.32 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

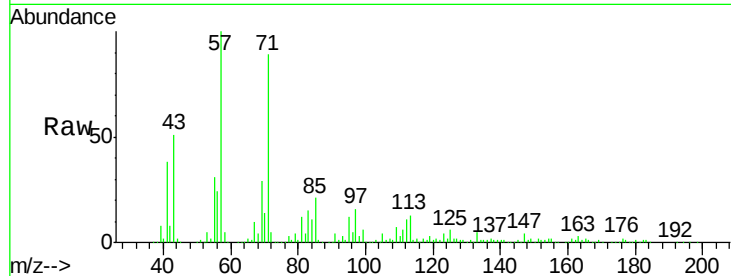
Tgt Ion:113 Resp: 319258

Ion Ratio Lower Upper

113 100

55 241.9 134.5 174.5#

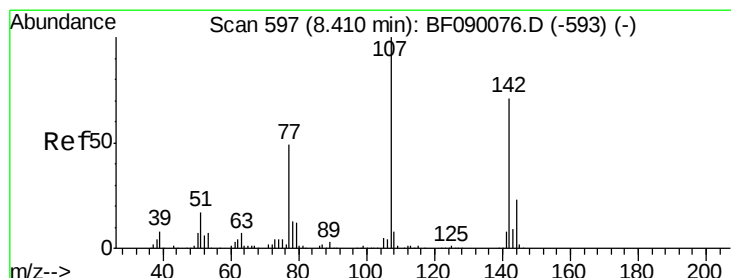
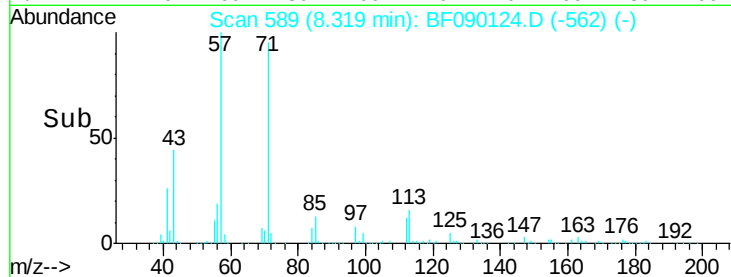
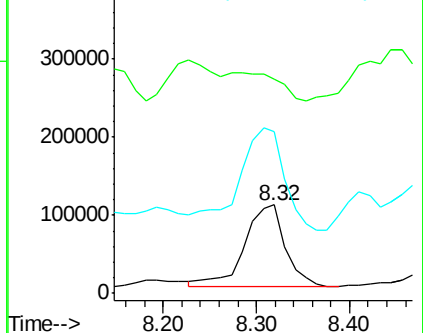
56 183.1 93.7 133.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 15.87 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

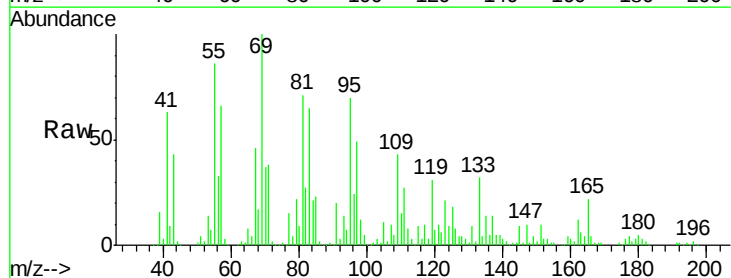
Tgt Ion:107 Resp: 98662

Ion Ratio Lower Upper

107 100

144 5.1 18.6 27.8#

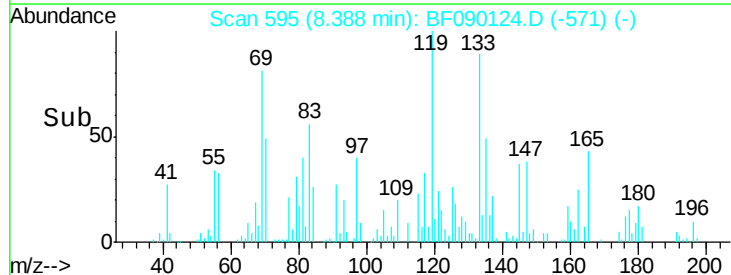
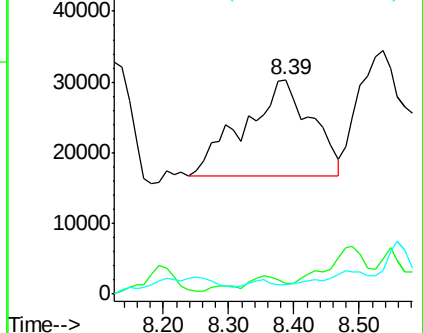
142 4.2 57.0 85.6#

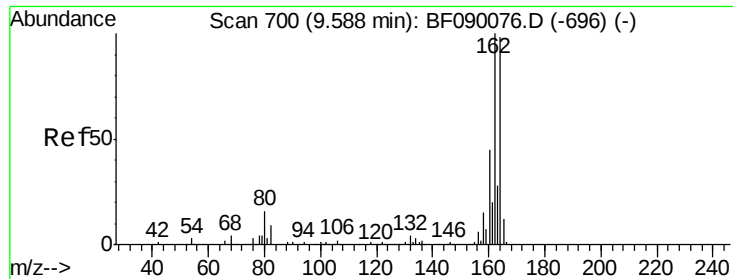


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.03 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

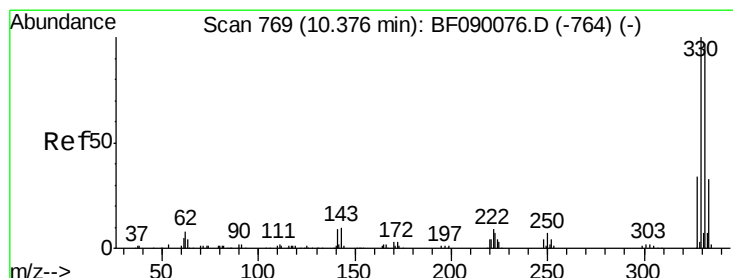
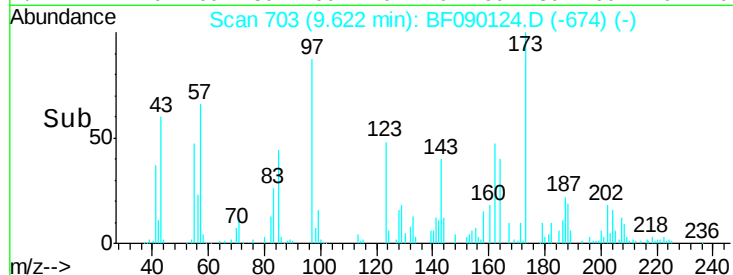
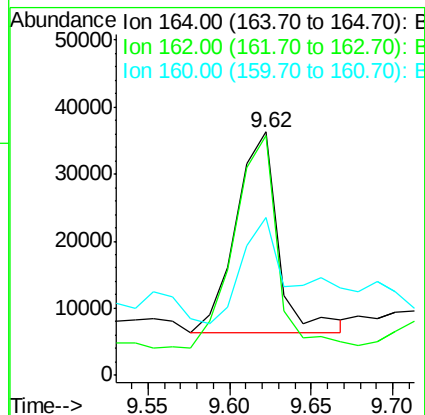
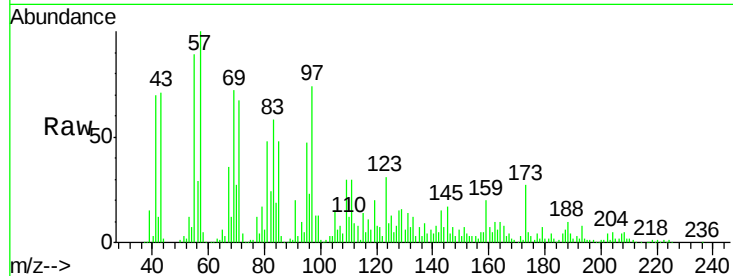
Tgt Ion:164 Resp: 54254

Ion Ratio Lower Upper

164 100

162 98.7 81.4 122.2

160 65.0 36.6 54.8#



#41

2,4,6-Tribromophenol

Concen: 207.55 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

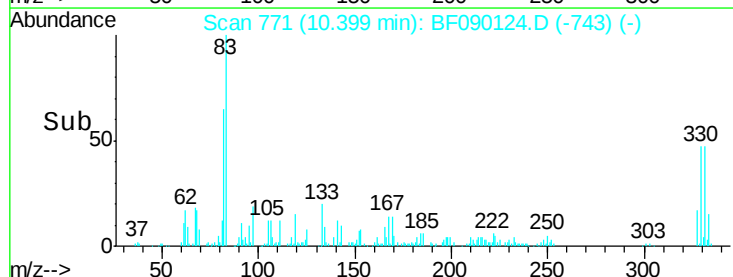
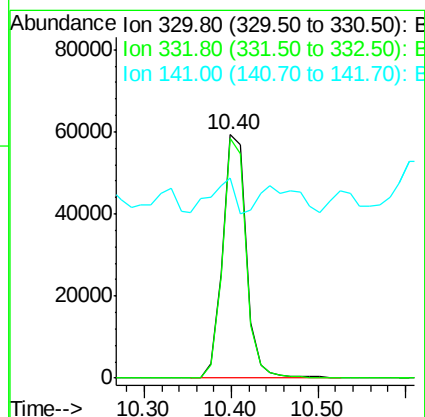
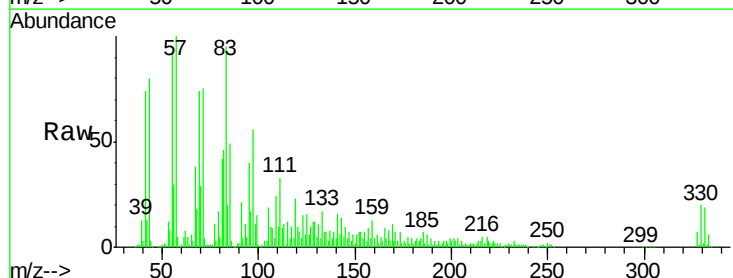
Tgt Ion:330 Resp: 113110

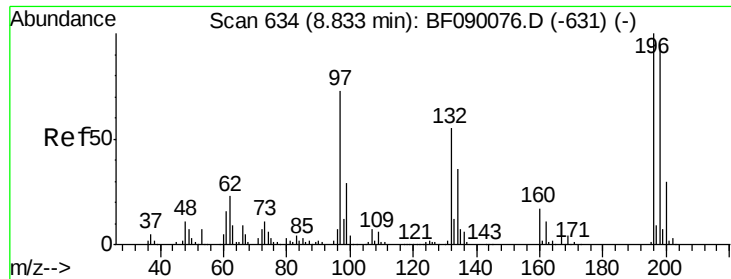
Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 23.6 23.9 35.9#

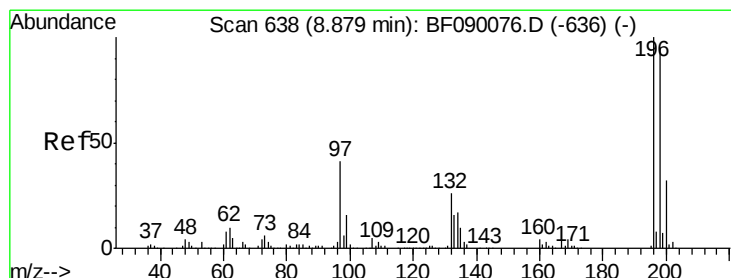
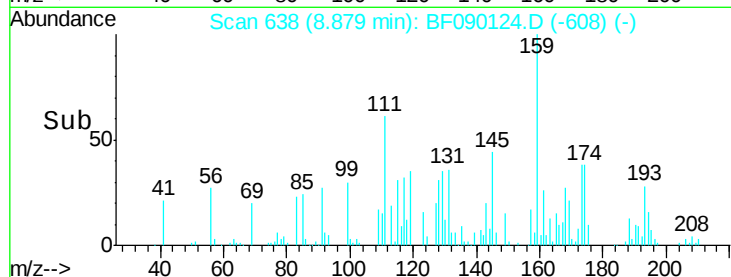
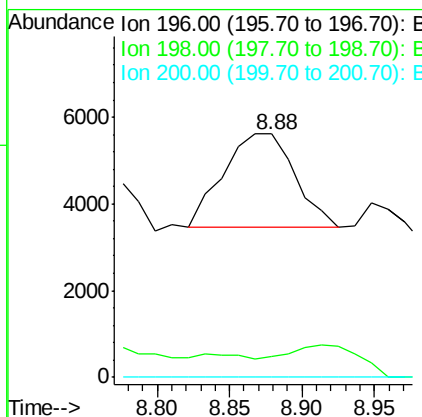
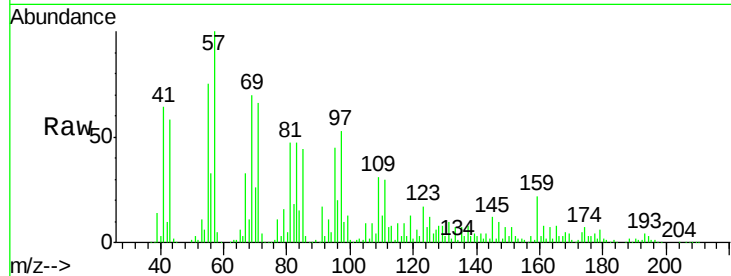




#42
 2,4,6-Trichlorophenol
 Concen: 7.19 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.05 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

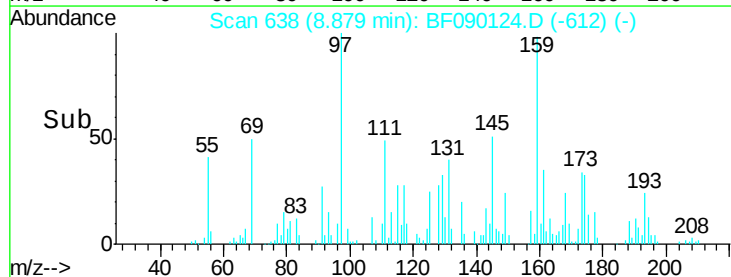
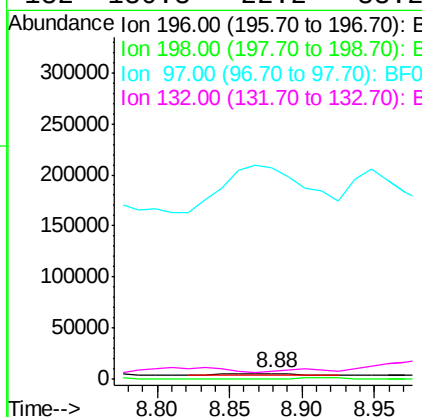
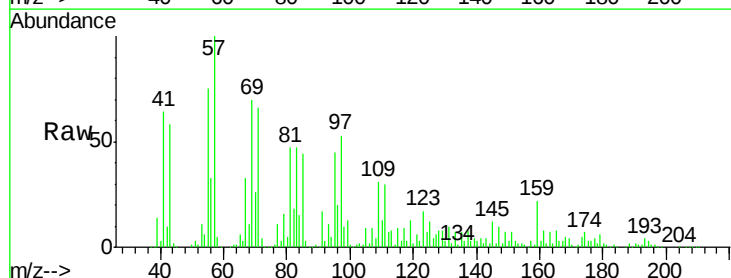
Instrument :
 BNA_F
 ClientSampled :
 1050

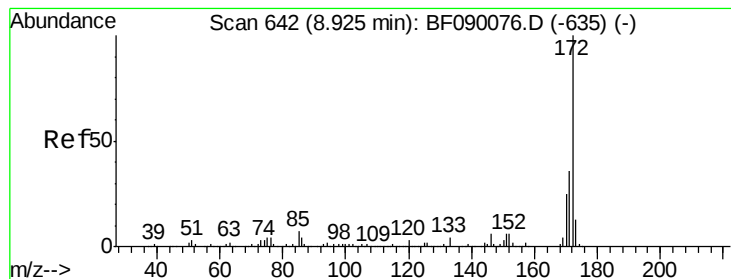
Tgt Ion:196 Resp: 7270
 Ion Ratio Lower Upper
 196 100
 198 8.7 76.3 114.5#
 200 0.0 24.1 36.1#



#43
 2,4,5-Trichlorophenol
 Concen: 6.80 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

Tgt Ion:196 Resp: 7397
 Ion Ratio Lower Upper
 196 100
 198 8.7 76.6 114.8#
 97 3688.9 34.4 51.6#
 132 130.3 22.2 33.2#





#44

2-Fluorobiphenyl

Concen: 124.80 ng

RT: 8.94 min Scan# 643

Delta R.T. 0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

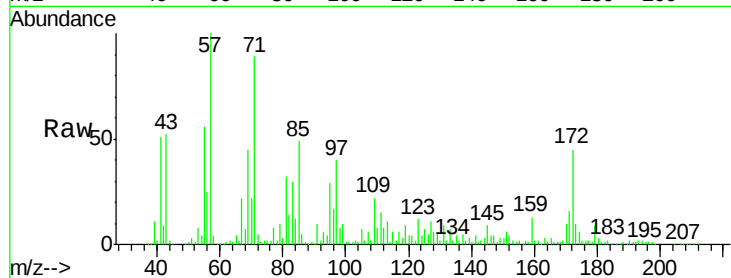
Tgt Ion:172 Resp: 431138

Ion Ratio Lower Upper

172 100

171 35.0 29.2 43.8

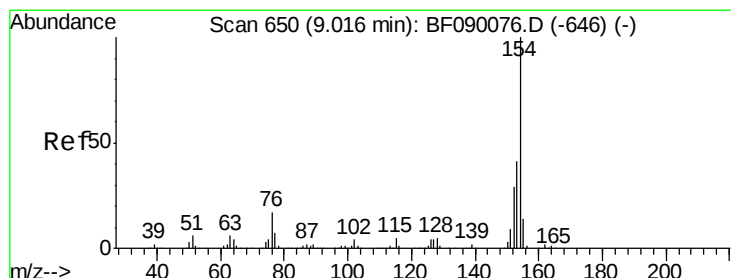
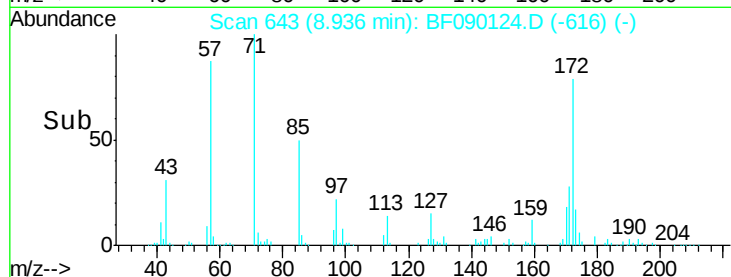
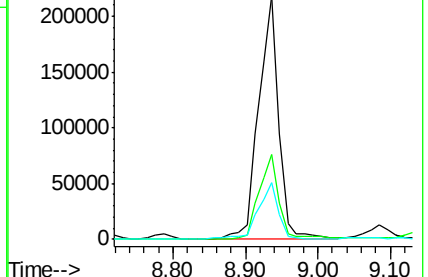
170 23.1 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 17.96 ng

RT: 8.82 min Scan# 633

Delta R.T. -0.19 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

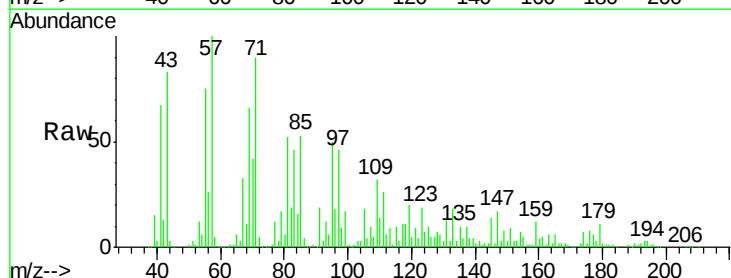
Tgt Ion:154 Resp: 79723

Ion Ratio Lower Upper

154 100

153 35.7 20.6 60.6

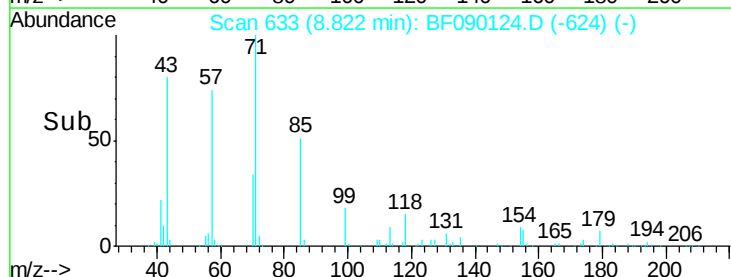
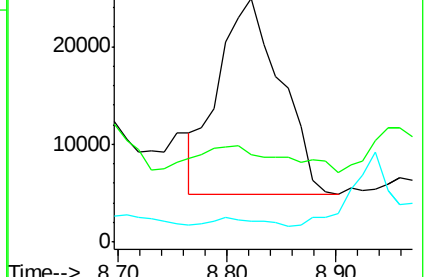
76 8.4 0.0 36.7

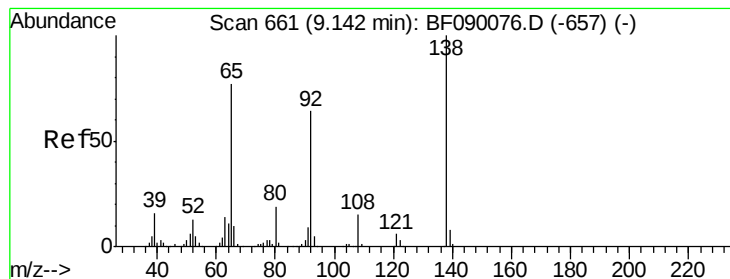


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 20.87 ng

RT: 9.15 min Scan# 662

Delta R.T. 0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

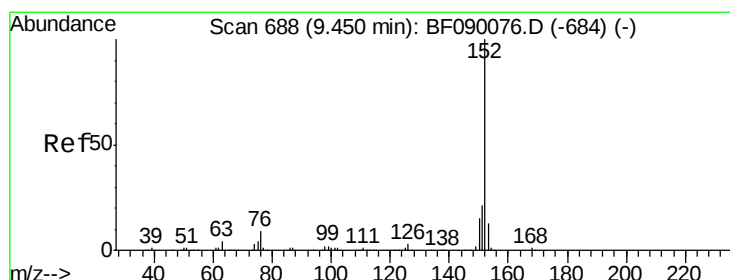
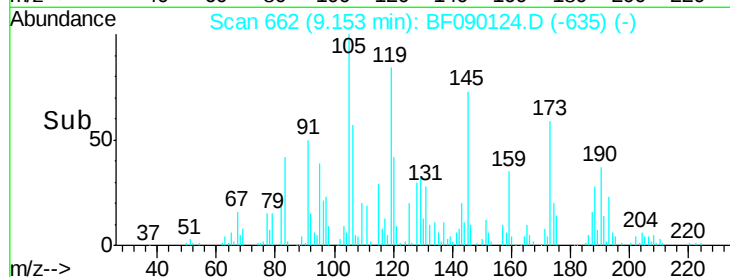
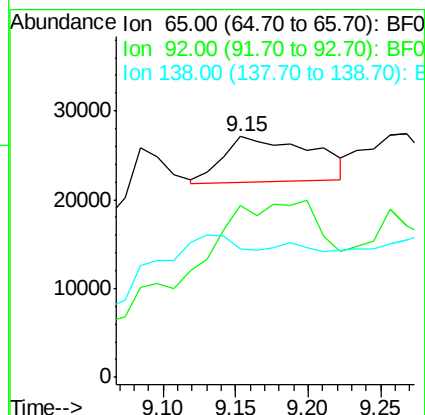
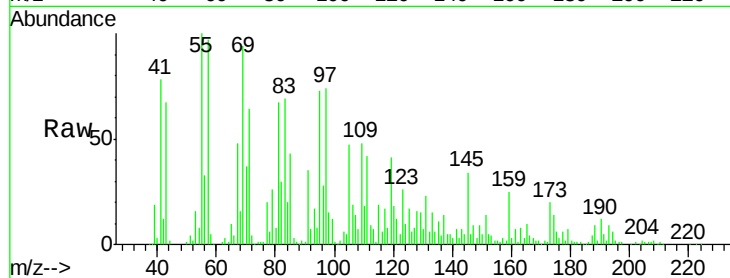
Tgt Ion: 65 Resp: 21917

Ion Ratio Lower Upper

65 100

92 71.2 66.1 99.1

138 53.1 104.1 156.1#



#48

Acenaphthylene

Concen: 11.69 ng

RT: 9.50 min Scan# 692

Delta R.T. 0.05 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

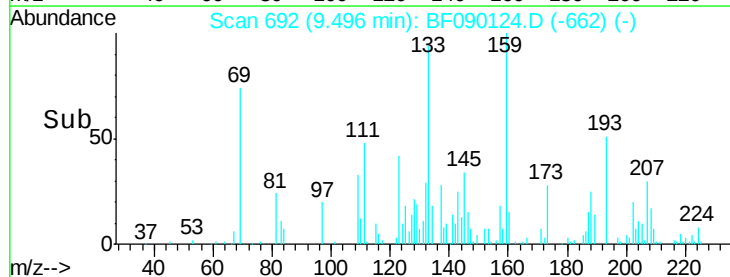
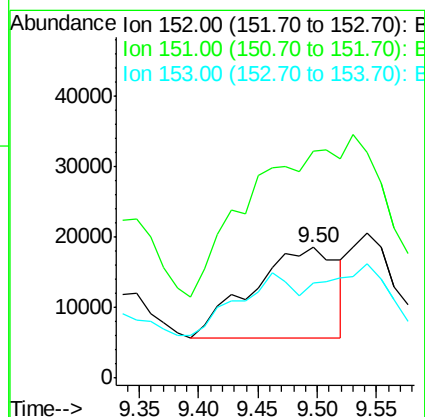
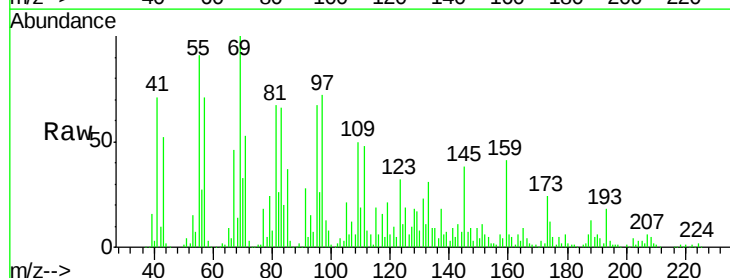
Tgt Ion: 152 Resp: 64601

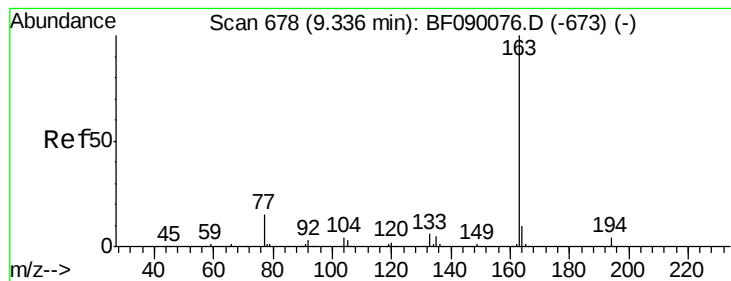
Ion Ratio Lower Upper

152 100

151 173.8 16.5 24.7#

153 73.1 10.6 15.8#





#49

Dimethylphthalate

Concen: 29.40 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampled :

1050

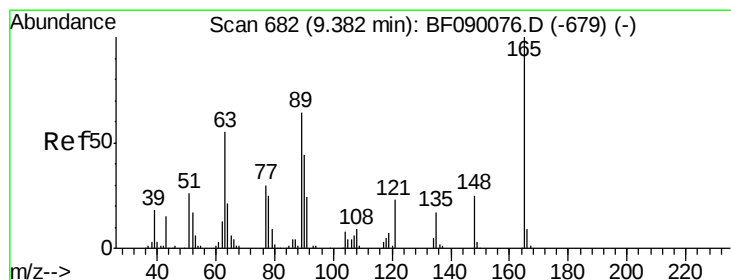
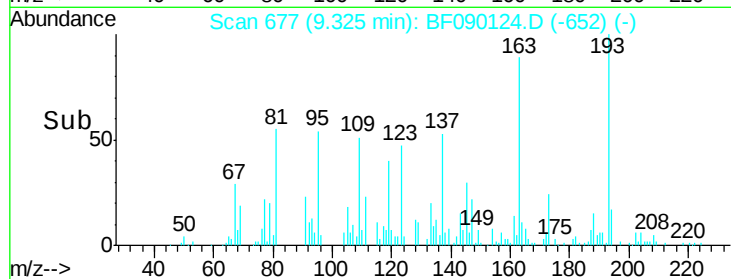
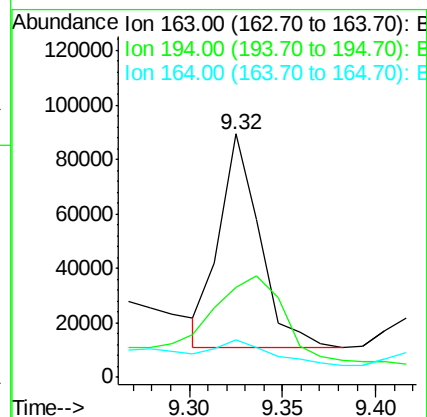
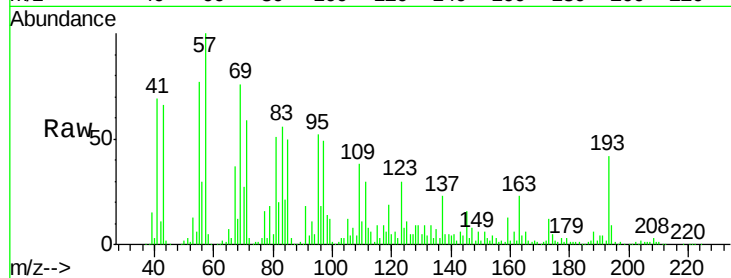
Tgt Ion:163 Resp: 118482

Ion Ratio Lower Upper

163 100

194 36.8 2.8 4.2#

164 15.7 8.1 12.1#



#50

2,6-Dinitrotoluene

Concen: 105.54 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.09 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

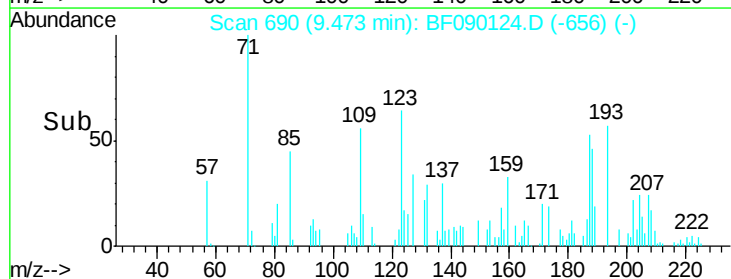
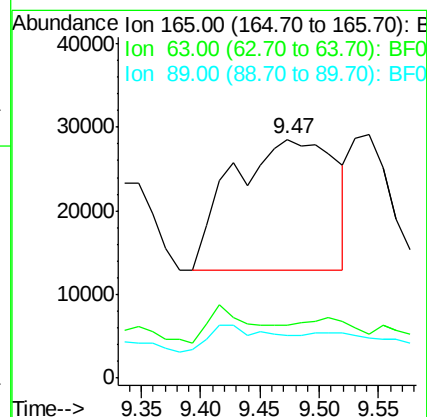
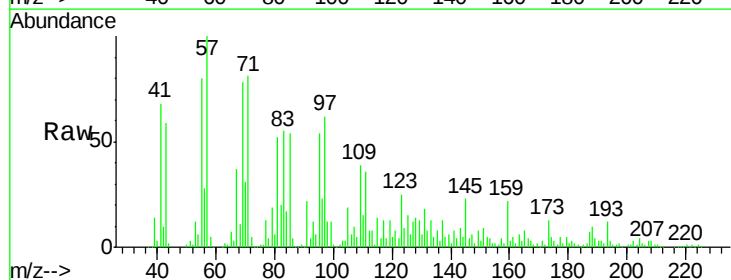
Tgt Ion:165 Resp: 95039

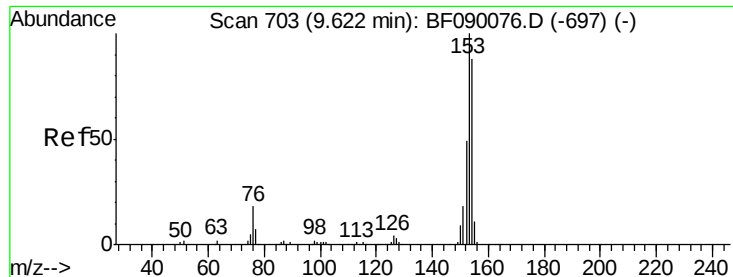
Ion Ratio Lower Upper

165 100

63 22.2 49.9 74.9#

89 17.6 51.0 76.4#





#51

Acenaphthene

Concen: 9.66 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

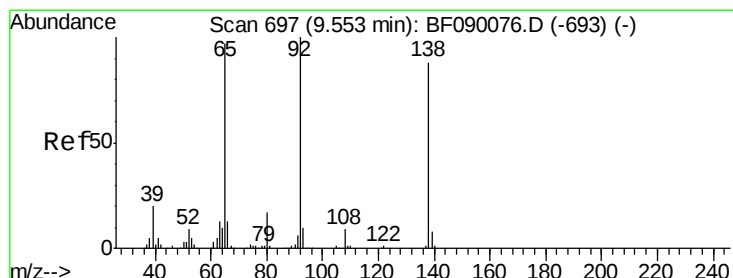
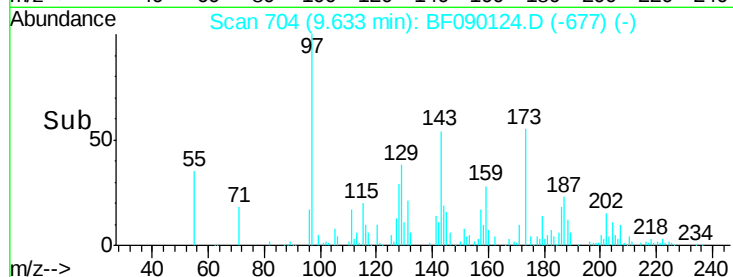
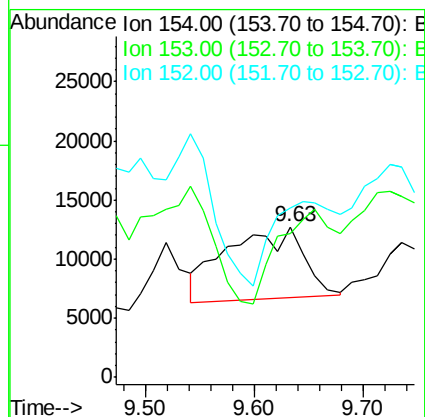
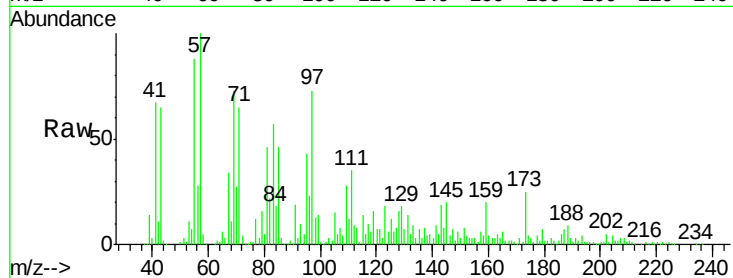
Tgt Ion:154 Resp: 29815

Ion Ratio Lower Upper

154 100

153 95.3 90.8 136.2

152 112.2 44.2 66.4#



#52

3-Nitroaniline

Concen: 10.58 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.07 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

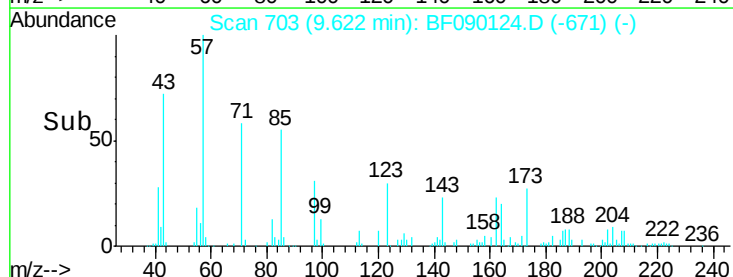
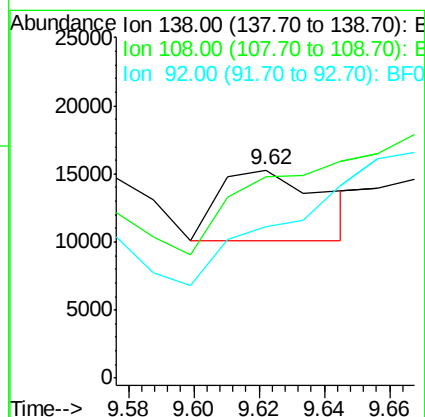
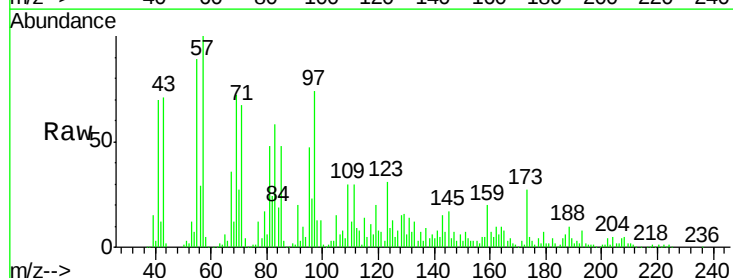
Tgt Ion:138 Resp: 11597

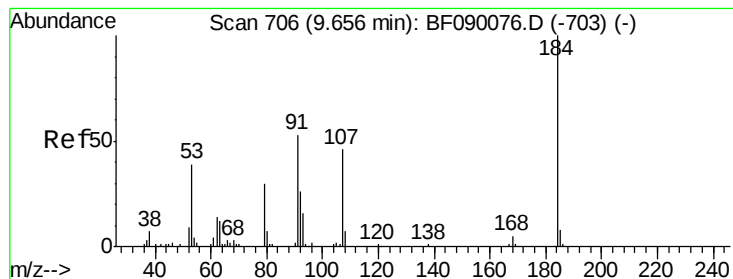
Ion Ratio Lower Upper

138 100

108 96.8 7.8 11.6#

92 72.6 90.7 136.1#





#53

2,4-Dinitrophenol

Concen: 12.59 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.03 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

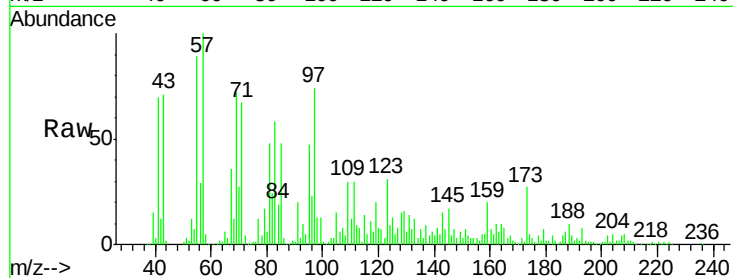
Tgt Ion:184 Resp: 6163

Ion Ratio Lower Upper

184 100

63 573.2 44.6 67.0#

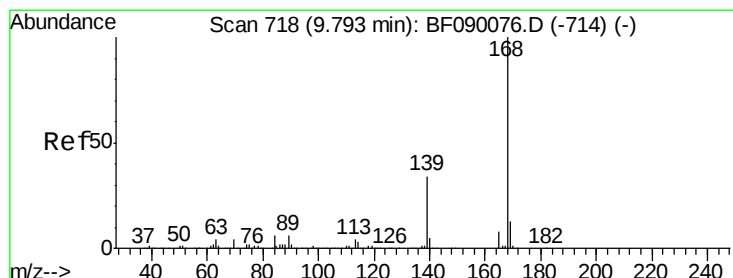
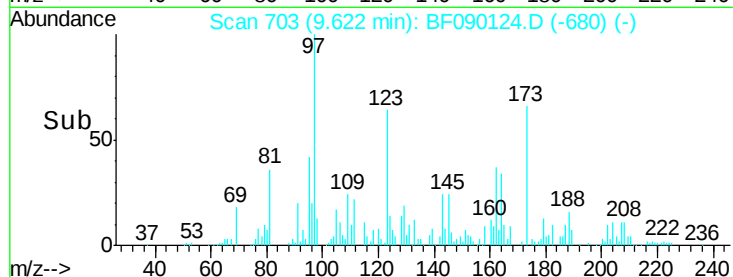
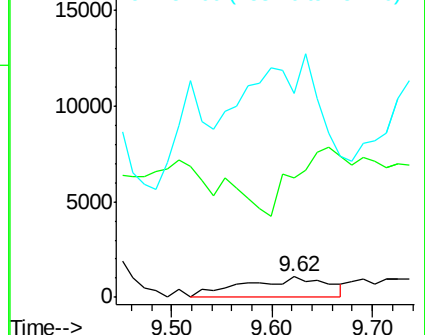
154 977.4 49.7 74.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 5.14 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.06 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

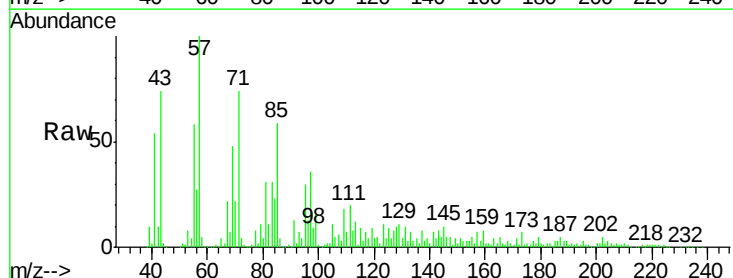
Tgt Ion:168 Resp: 21946

Ion Ratio Lower Upper

168 100

139 137.5 28.8 43.2#

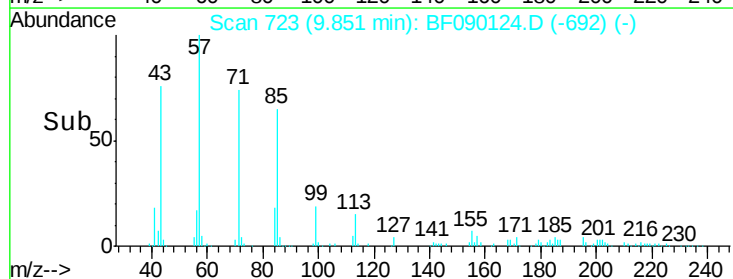
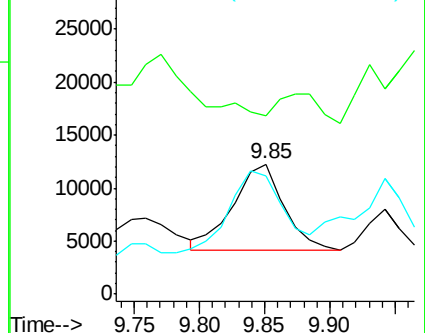
169 91.0 10.7 16.1#

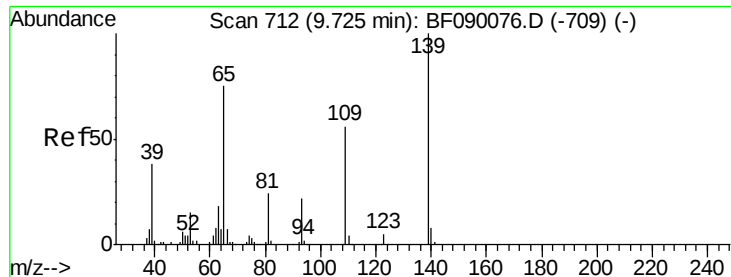


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

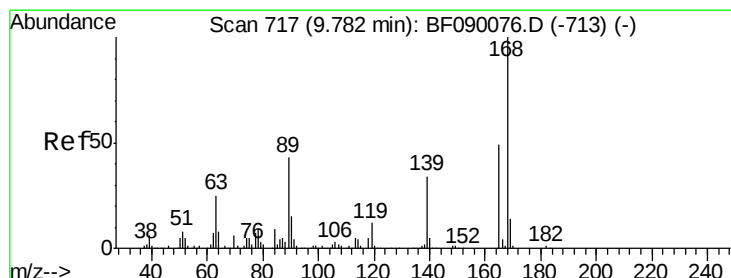
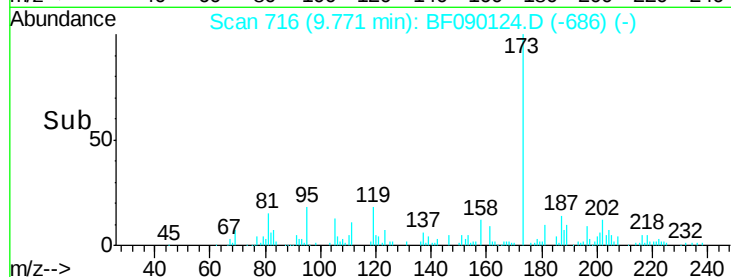
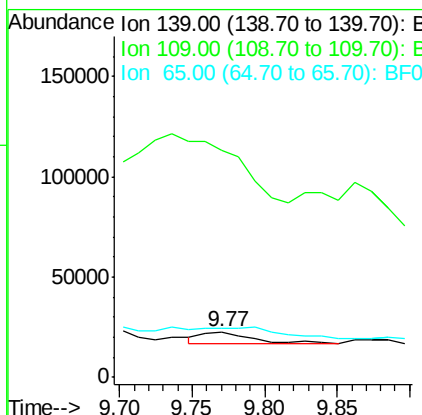
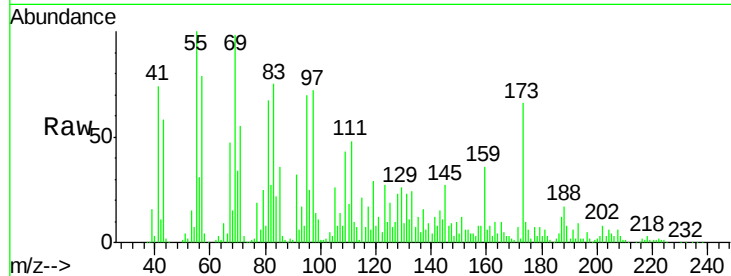




#55
4-Nitrophenol
Concen: 17.48 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.05 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

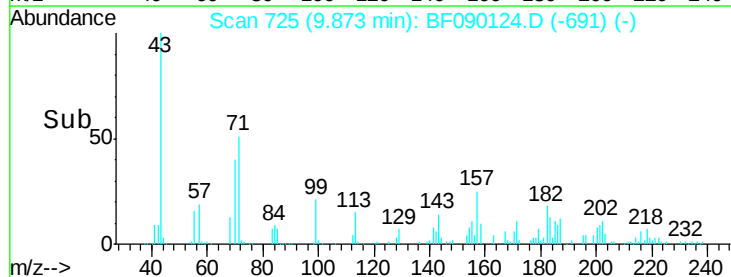
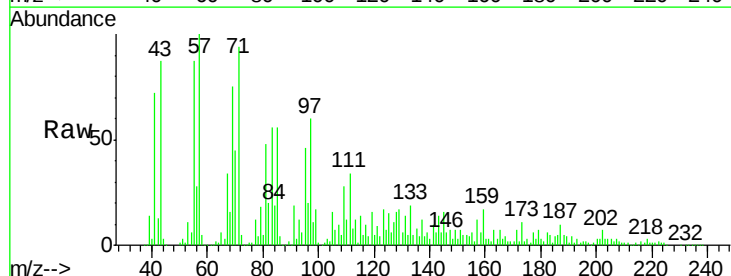
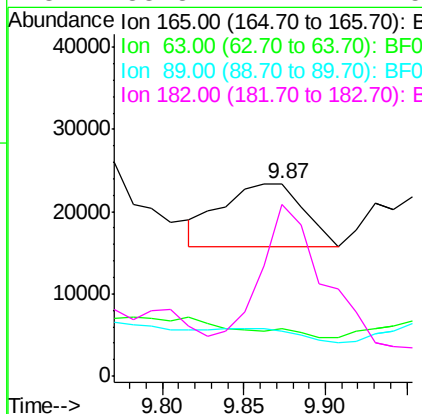
Instrument :
BNA_F
ClientSampleId :
1050

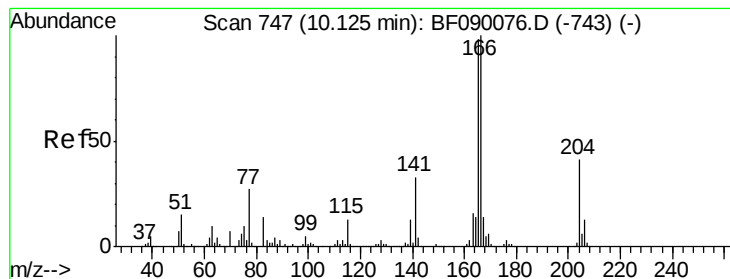
Tgt Ion:139 Resp: 13474
Ion Ratio Lower Upper
139 100
109 499.4 35.6 75.6#
65 106.6 55.5 95.5#



#56
2,4-Dinitrotoluene
Concen: 24.32 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.09 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

Tgt Ion:165 Resp: 26697
Ion Ratio Lower Upper
165 100
63 24.6 44.4 66.6#
89 23.2 70.1 105.1#
182 88.8 1.7 2.5#





#57

Fluorene

Concen: 8.16 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.04 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

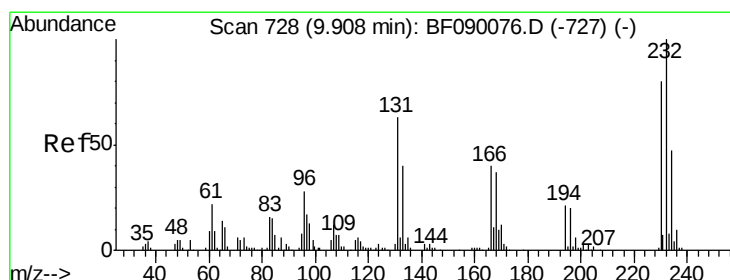
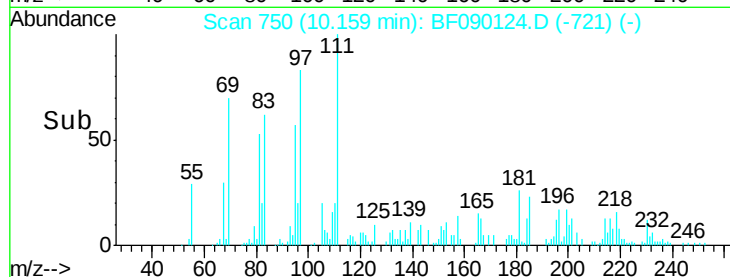
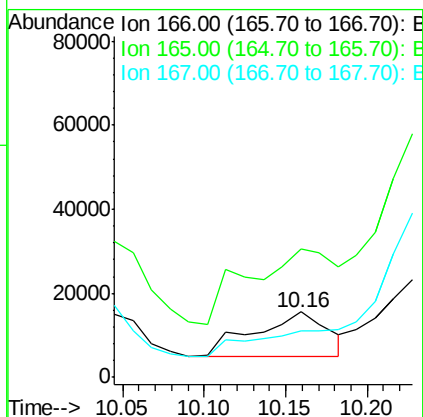
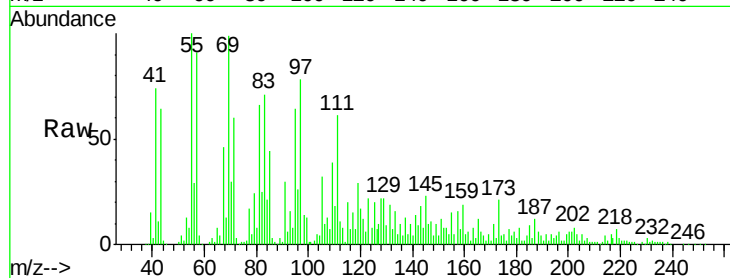
Tgt Ion:166 Resp: 32855

Ion Ratio Lower Upper

166 100

165 196.9 78.5 117.7#

167 71.7 11.2 16.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 8.44 ng

RT: 9.99 min Scan# 735

Delta R.T. 0.08 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Tgt Ion:232 Resp: 7004

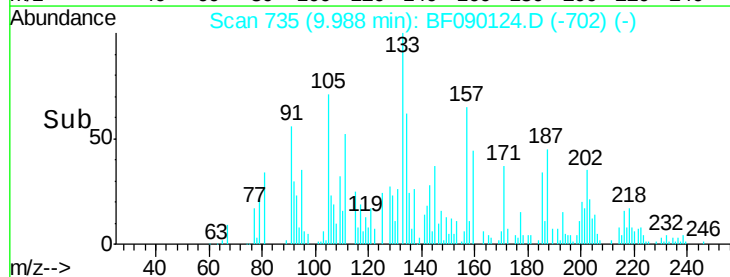
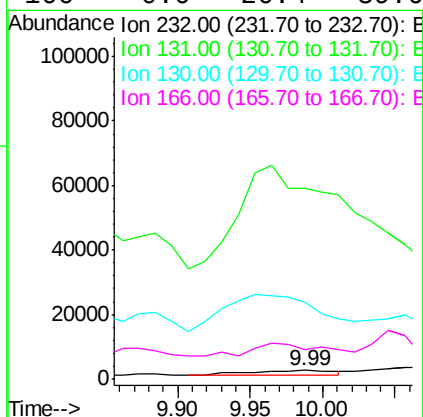
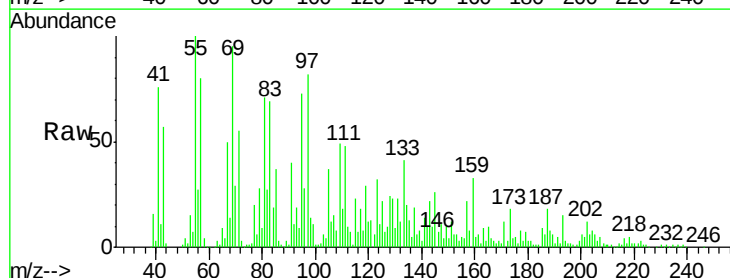
Ion Ratio Lower Upper

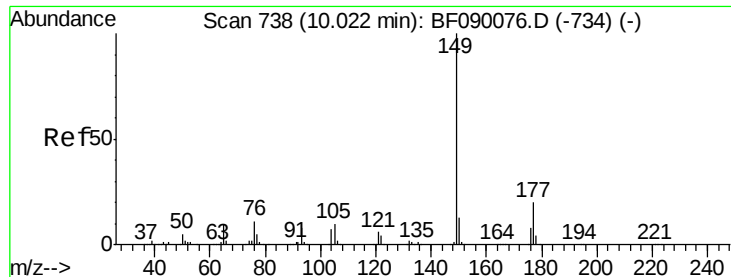
232 100

131 0.0 42.2 63.4#

130 0.0 1.9 2.9#

166 0.0 26.4 39.6#

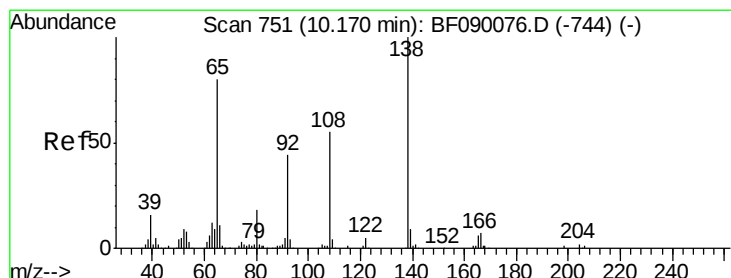
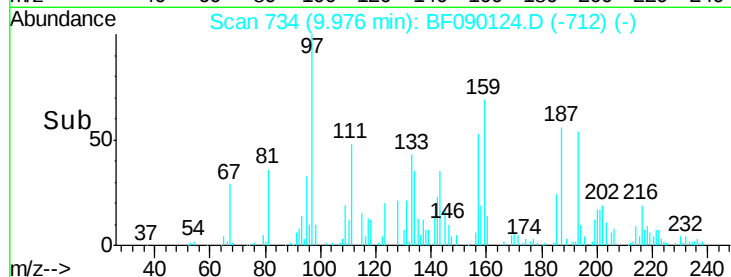
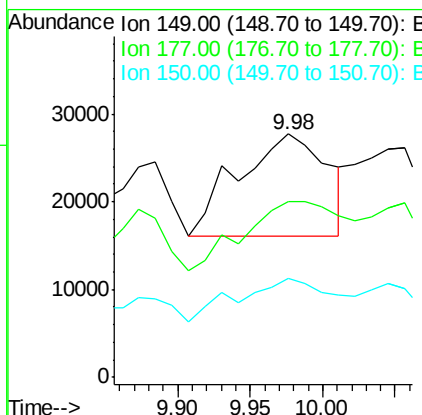
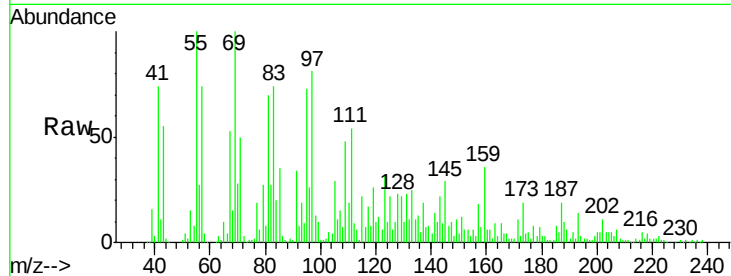




#59
Diethylphthalate
Concen: 12.71 ng
RT: 9.98 min Scan# 734
Delta R.T. -0.05 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

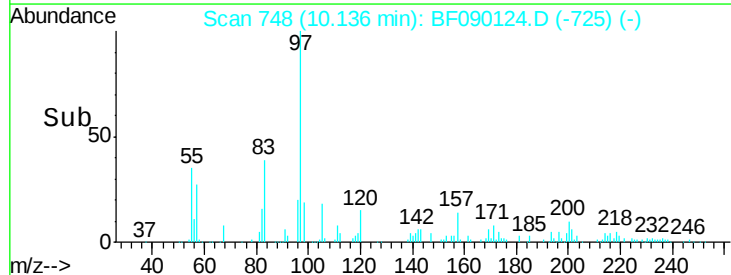
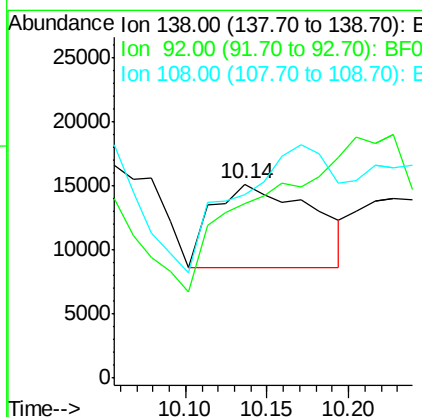
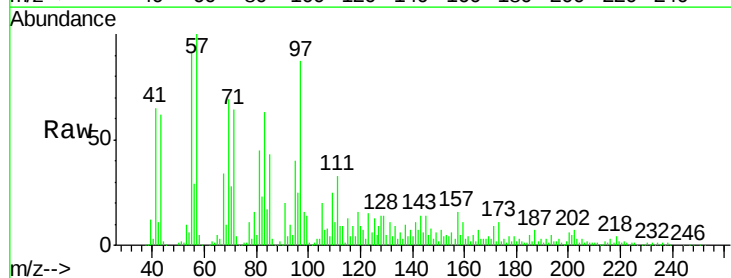
Instrument :
BNA_F
ClientSampled :
1050

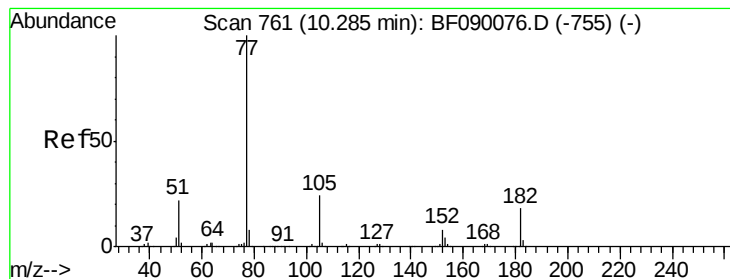
Tgt Ion:149 Resp: 49606
Ion Ratio Lower Upper
149 100
177 72.2 15.8 23.6#
150 40.4 10.4 15.6#



#61
4-Nitroaniline
Concen: 24.80 ng
RT: 10.14 min Scan# 748
Delta R.T. -0.03 min
Lab File: BF090124.D
Acq: 19 Sep 2016 17:08

Tgt Ion:138 Resp: 27510
Ion Ratio Lower Upper
138 100
92 90.3 23.8 63.8#
108 94.9 35.0 75.0#





#62

Azobenzene

Concen: 11.00 ng

RT: 10.34 min Scan# 766

Delta R.T. 0.06 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampled :

1050

Tgt Ion: 77 Resp: 45040

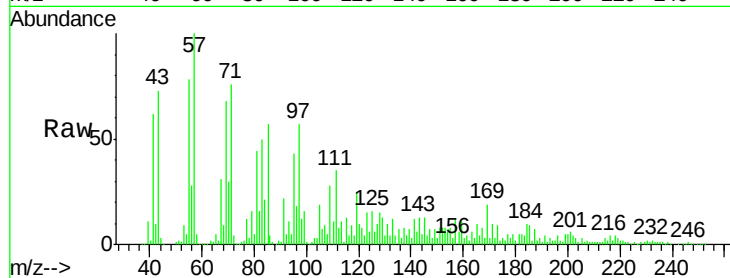
Ion Ratio Lower Upper

77 100

182 38.3 0.0 38.4

105 158.0 3.8 43.8#

51 21.0 2.6 42.6

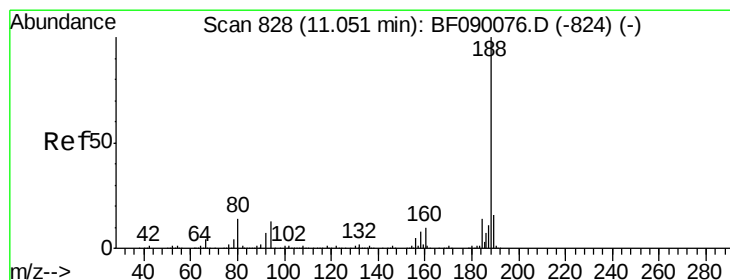
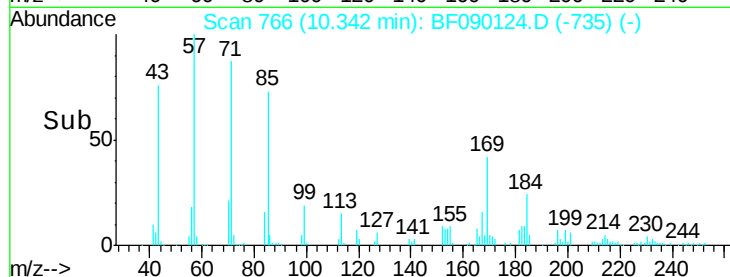
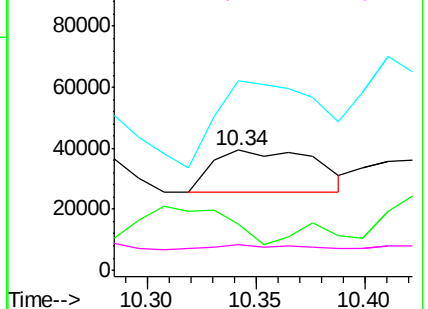


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.10 min Scan# 832

Delta R.T. 0.05 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

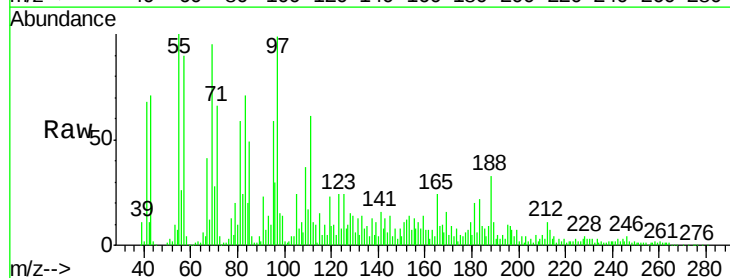
Tgt Ion: 188 Resp: 112822

Ion Ratio Lower Upper

188 100

94 29.9 10.5 15.7#

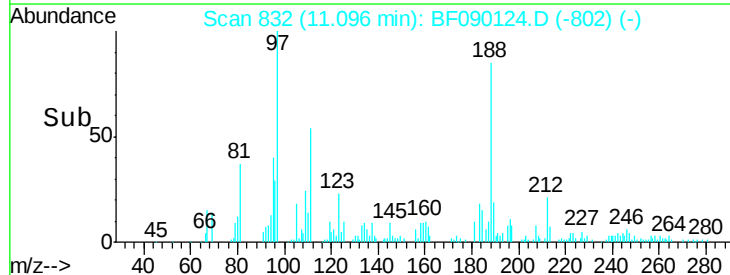
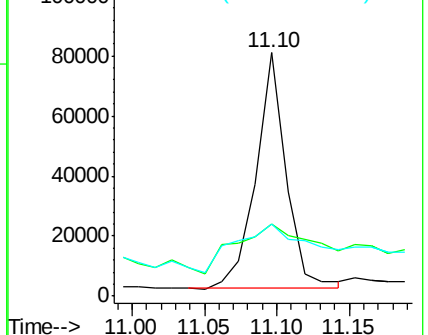
80 29.9 11.2 16.8#

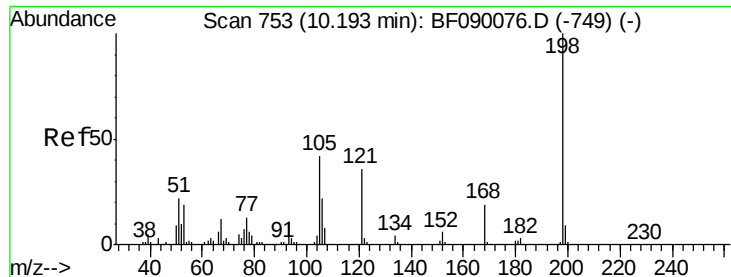


Abundance Ion 188.00 (187.70 to 188.70): E

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: 12.05 ng

RT: 10.27 min Scan# 760

Delta R.T. 0.08 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

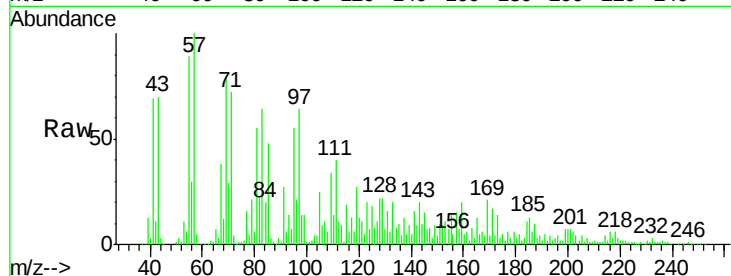
Tgt Ion:198 Resp: 8202

Ion Ratio Lower Upper

198 100

51 209.2 5.5 45.5#

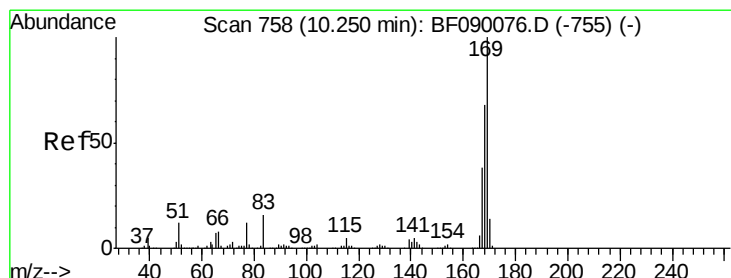
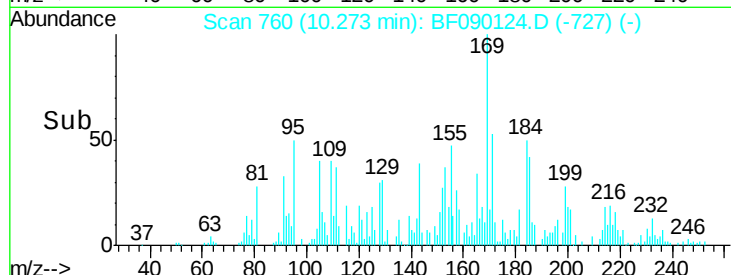
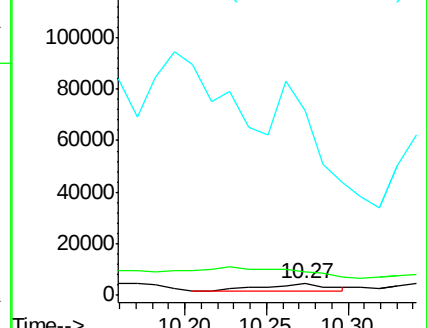
105 1614.3 21.8 61.8#



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



#65

n-Nitrosodiphenylamine

Concen: 31.82 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

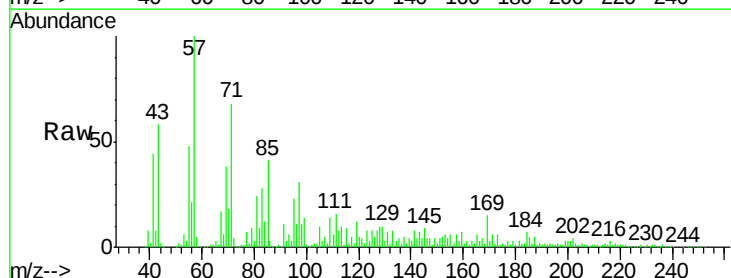
Tgt Ion:169 Resp: 113766

Ion Ratio Lower Upper

169 100

168 15.6 54.2 81.4#

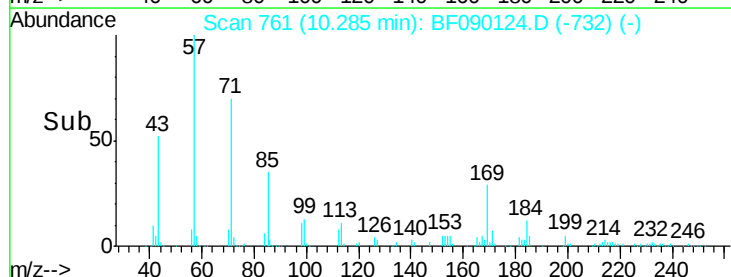
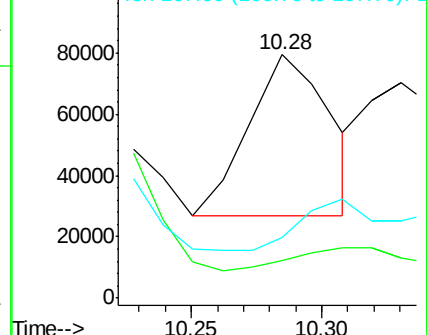
167 24.8 30.3 45.5#

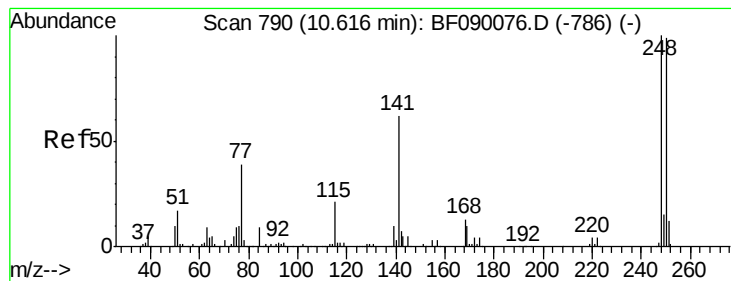


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.81 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.06 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampled :

1050

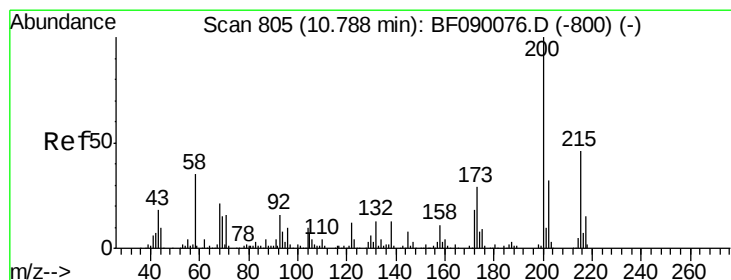
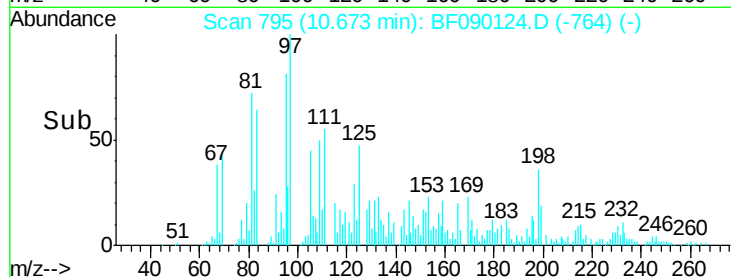
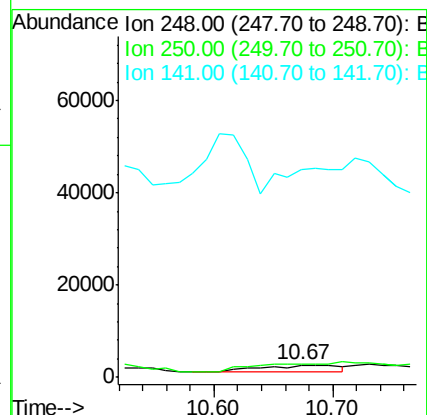
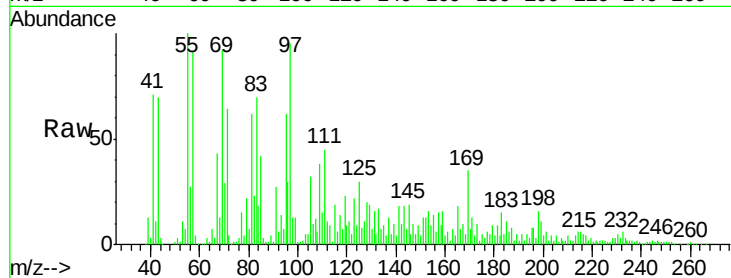
Tgt Ion:248 Resp: 6317

Ion Ratio Lower Upper

248 100

250 112.1 79.4 119.2

141 1709.5 49.3 73.9#



#68

Atrazine

Concen: 34.97 ng

RT: 10.83 min Scan# 809

Delta R.T. 0.05 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

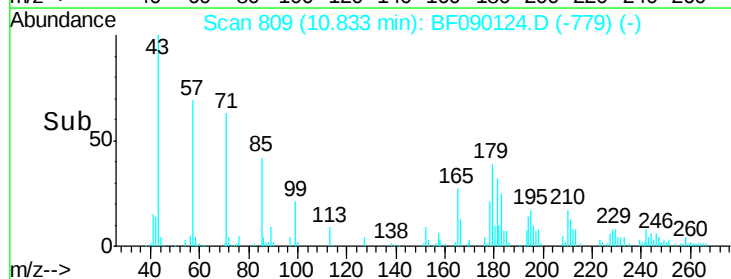
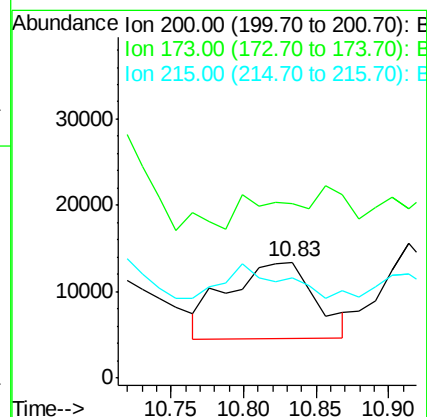
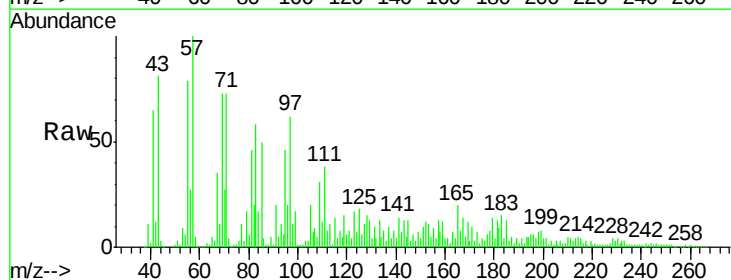
Tgt Ion:200 Resp: 37150

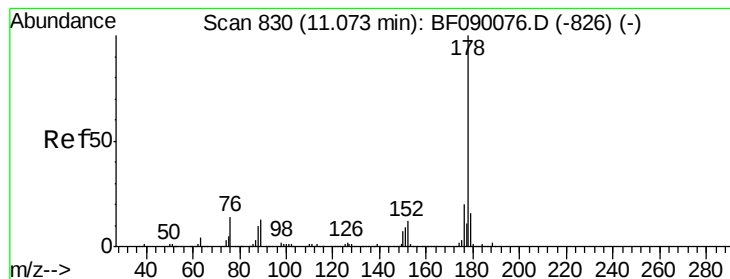
Ion Ratio Lower Upper

200 100

173 150.6 9.3 49.3#

215 87.0 26.1 66.1#





#70

Phenanthrene

Concen: 10.45 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.05 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampled :

1050

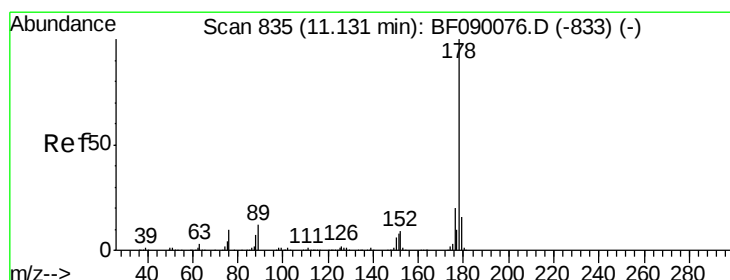
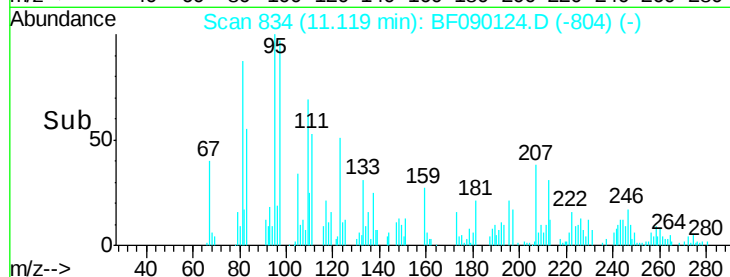
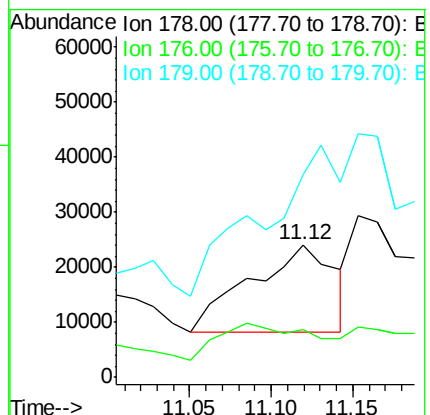
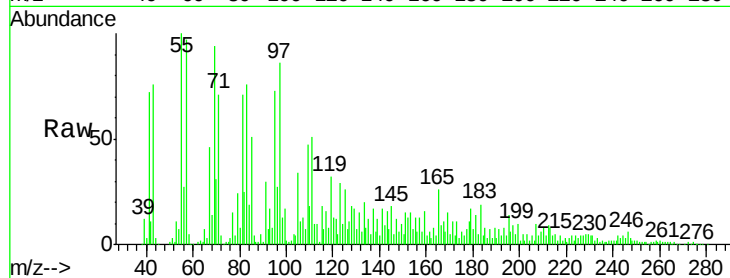
Tgt Ion:178 Resp: 56952

Ion Ratio Lower Upper

178 100

176 36.0 15.9 23.9#

179 153.6 12.9 19.3#



#71

Anthracene

Concen: 5.77 ng

RT: 11.15 min Scan# 837

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

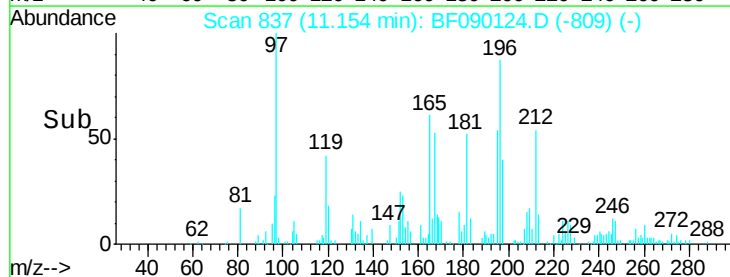
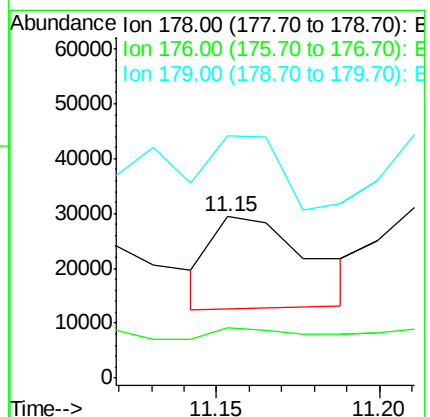
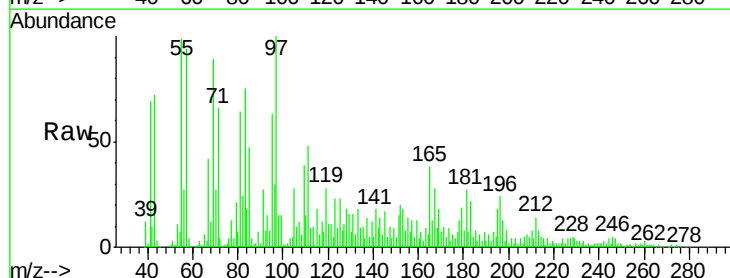
Tgt Ion:178 Resp: 34368

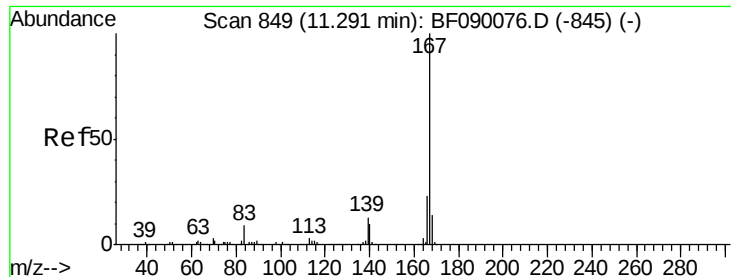
Ion Ratio Lower Upper

178 100

176 31.3 15.8 23.6#

179 150.4 12.6 19.0#





#72

Carbazole

Concen: 3.77 ng

RT: 11.31 min Scan# 851

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

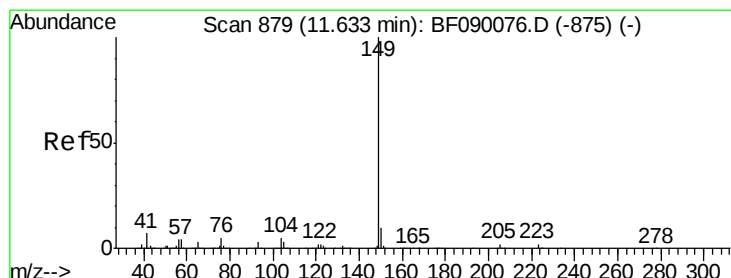
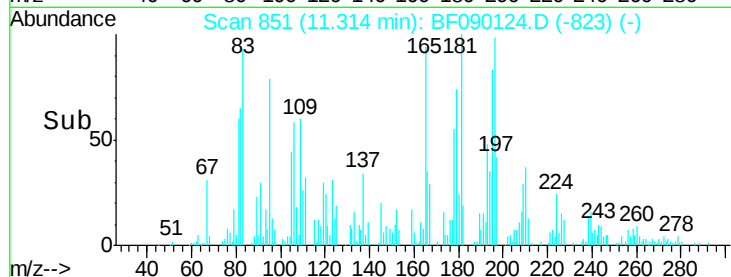
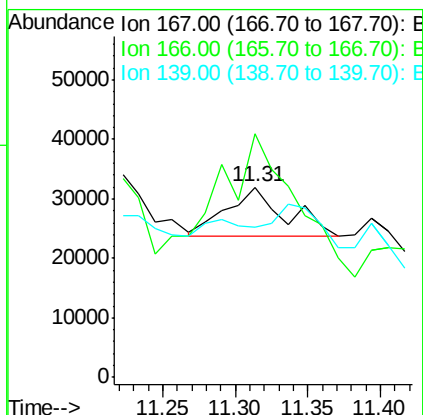
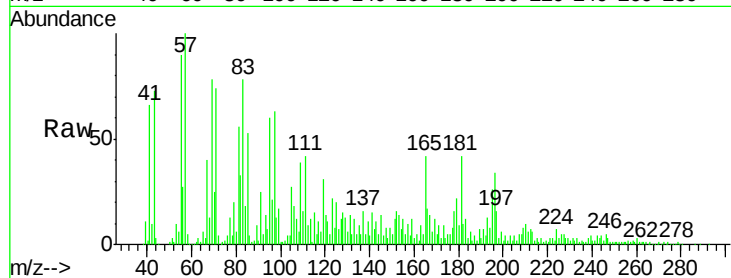
Tgt Ion:167 Resp: 23009

Ion Ratio Lower Upper

167 100

166 128.1 18.0 27.0#

139 79.2 10.4 15.6#



#73

Di-n-butylphthalate

Concen: 6.78 ng

RT: 11.66 min Scan# 881

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

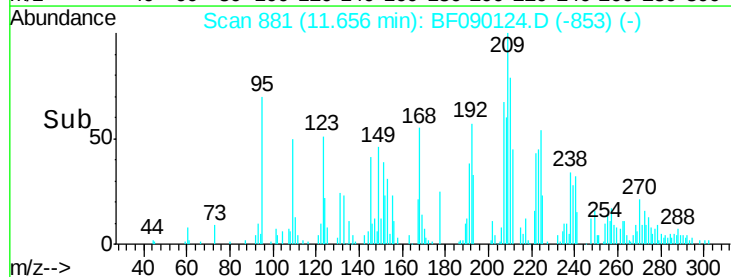
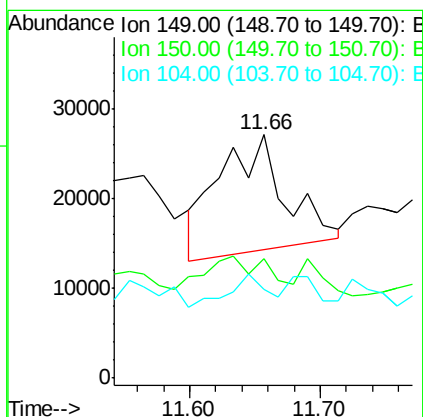
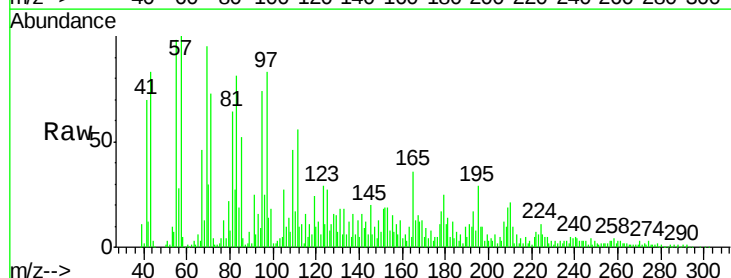
Tgt Ion:149 Resp: 46414

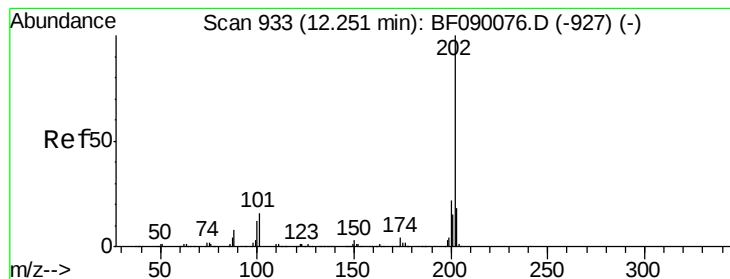
Ion Ratio Lower Upper

149 100

150 48.8 7.8 11.8#

104 36.5 3.9 5.9#





#74

Fluoranthene

Concen: 36.89 ng

RT: 12.50 min Scan# 955

Delta R.T. 0.25 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

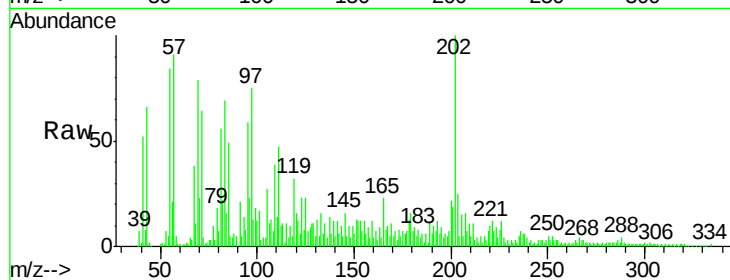
Tgt Ion:202 Resp: 210716

Ion Ratio Lower Upper

202 100

101 16.6 0.0 36.1

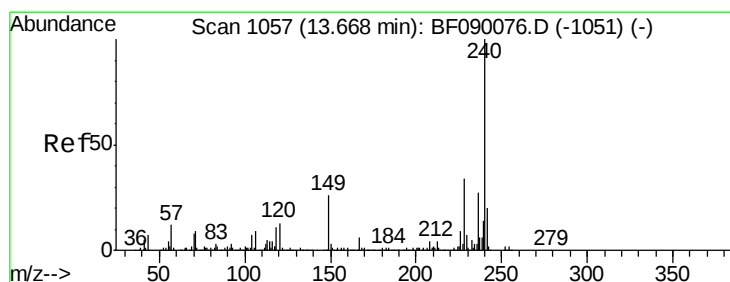
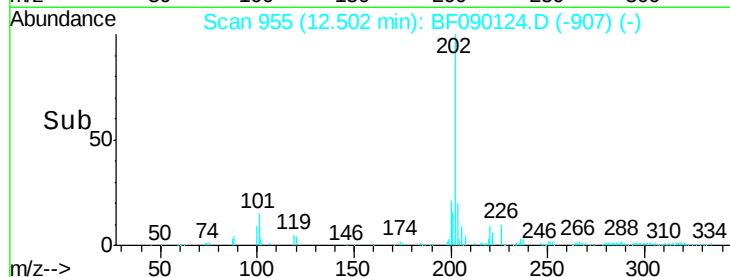
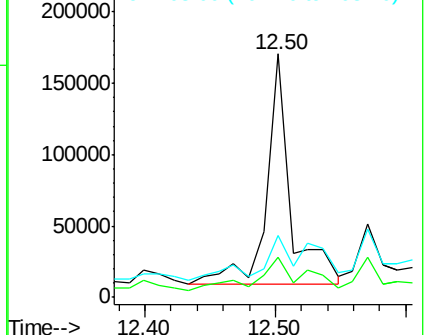
203 25.2 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

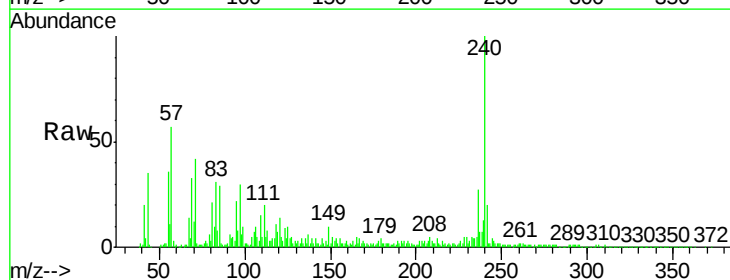
Tgt Ion:240 Resp: 248410

Ion Ratio Lower Upper

240 100

120 14.1 10.6 16.0

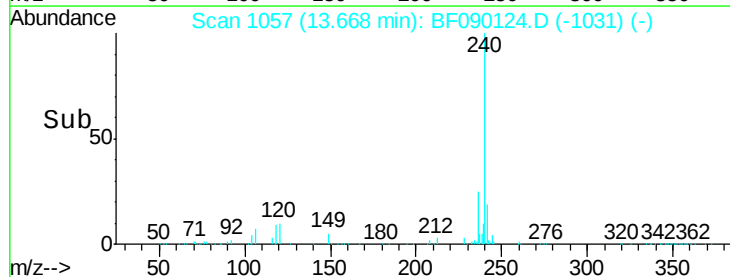
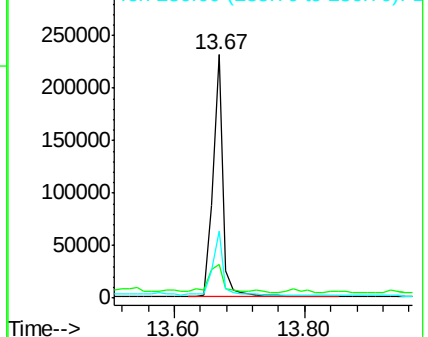
236 27.3 21.6 32.4

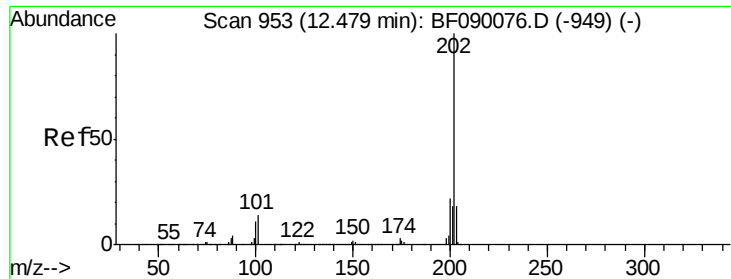


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

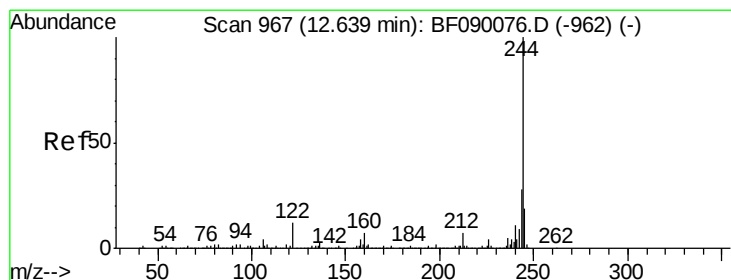
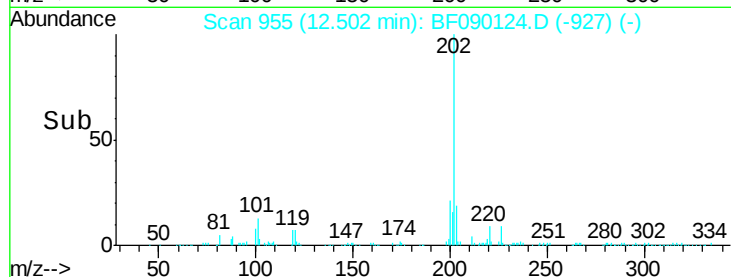
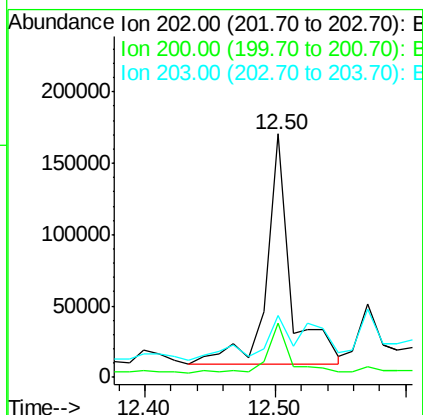
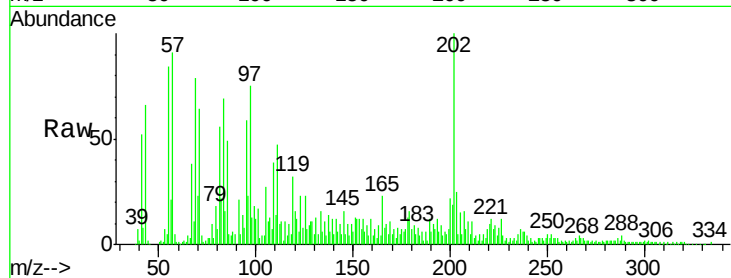




#77
 Pyrene
 Concen: 11.62 ng
 RT: 12.50 min Scan# 955
 Delta R.T. 0.02 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

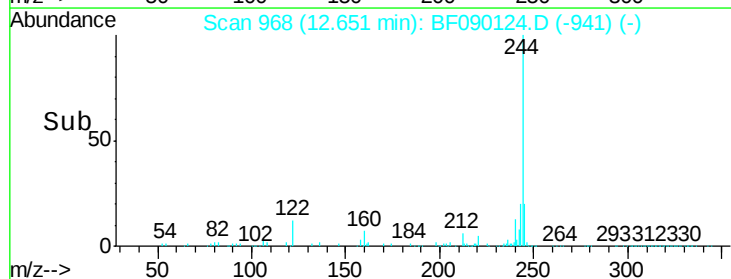
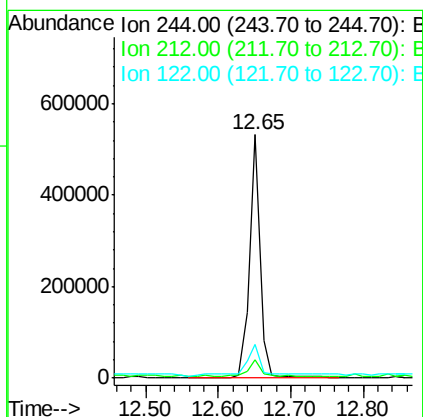
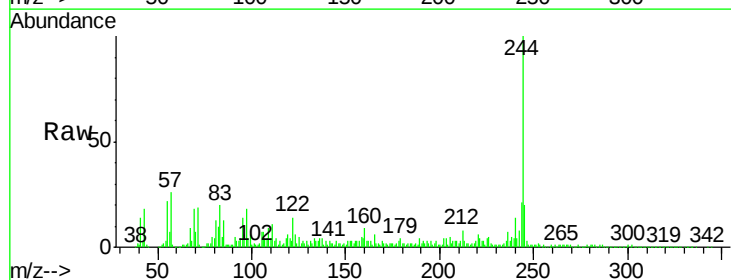
Instrument :
 BNA_F
 ClientSampleId :
 1050

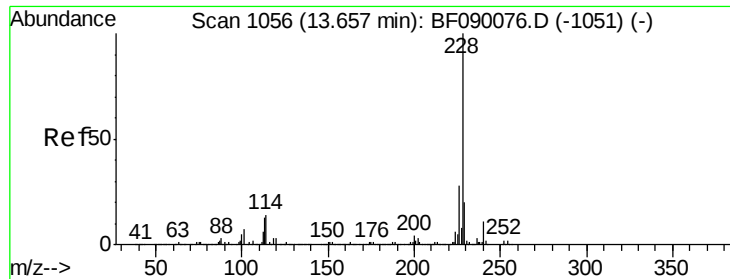
Tgt Ion:202 Resp: 210716
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.9 26.9
 203 25.2 14.2 21.4#



#78
 Terphenyl-d14
 Concen: 51.23 ng
 RT: 12.65 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

Tgt Ion:244 Resp: 535866
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 13.8 9.4 14.0





#80

Benzo(a)anthracene

Concen: 3.28 ng

RT: 13.68 min Scan# 1058

Delta R.T. 0.02 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

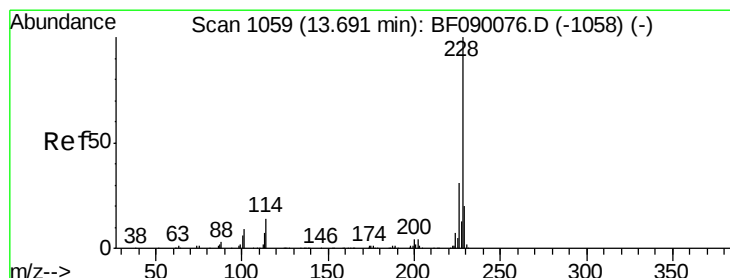
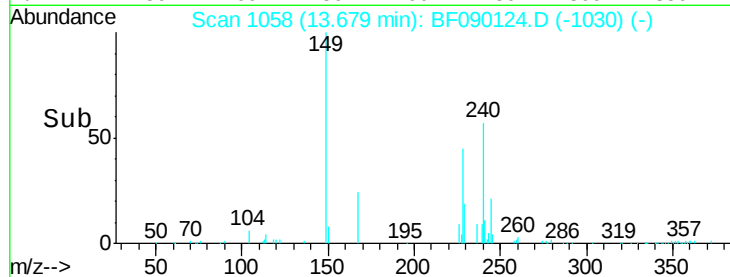
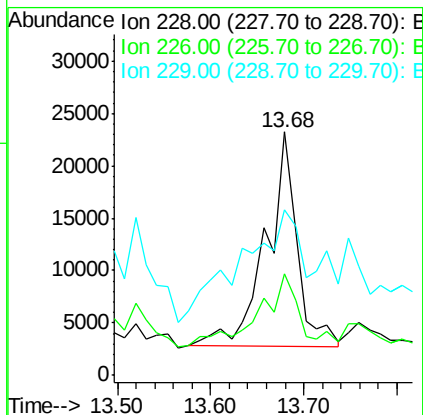
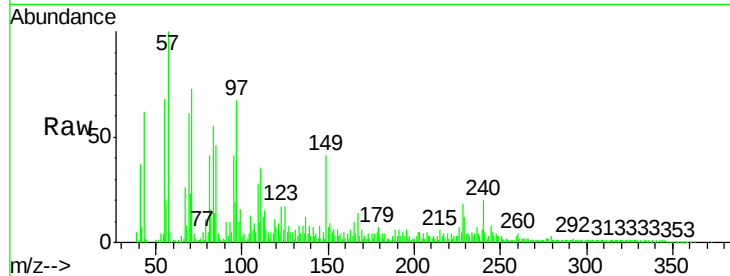
Tgt Ion:228 Resp: 47633

Ion Ratio Lower Upper

228 100

226 41.7 22.0 33.0#

229 67.9 16.2 24.2#



#82

Chrysene

Concen: 3.56 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

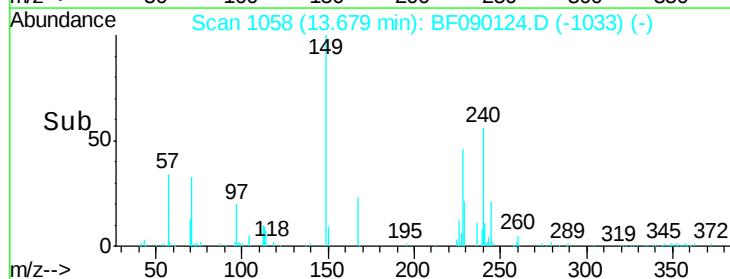
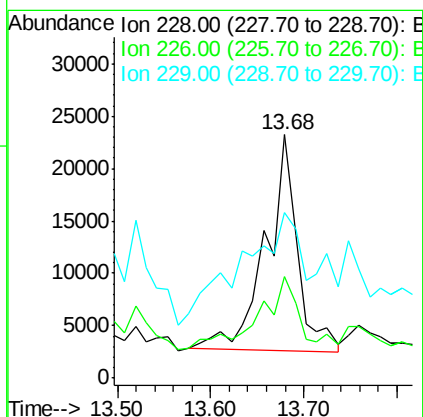
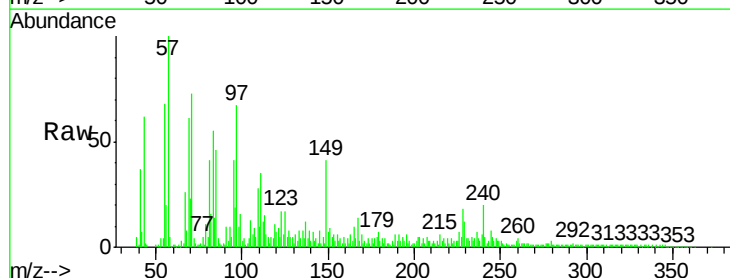
Tgt Ion:228 Resp: 48439

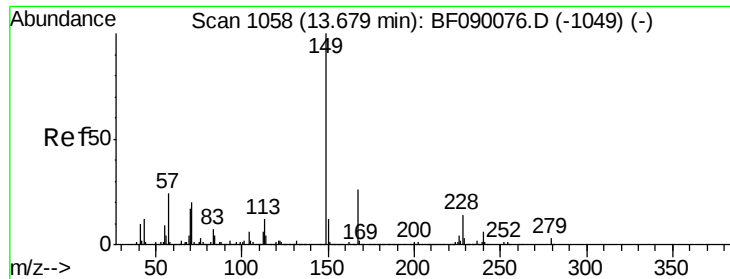
Ion Ratio Lower Upper

228 100

226 41.7 24.6 37.0#

229 67.9 16.2 24.4#

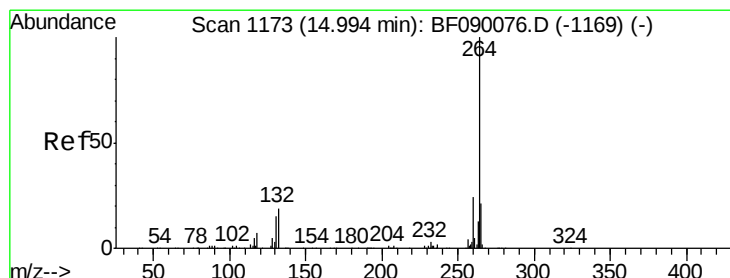
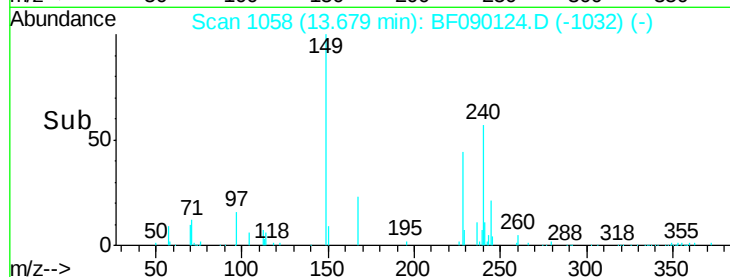
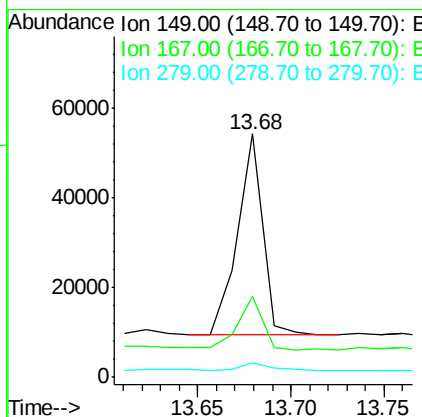
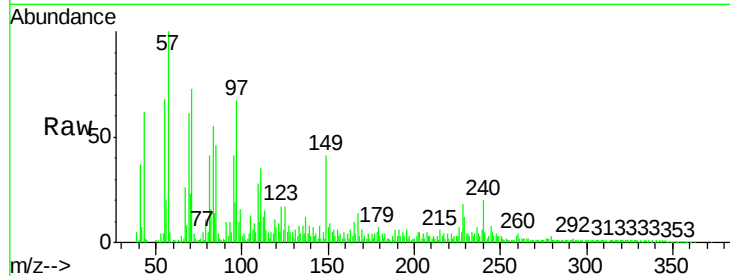




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.84 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

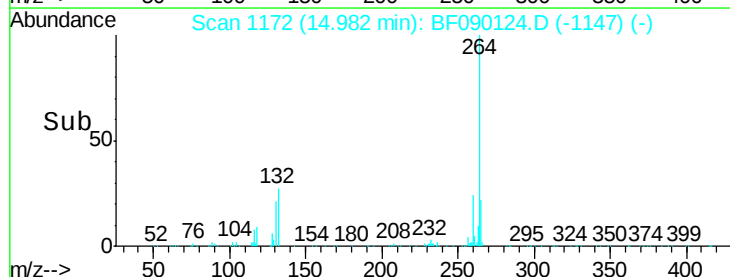
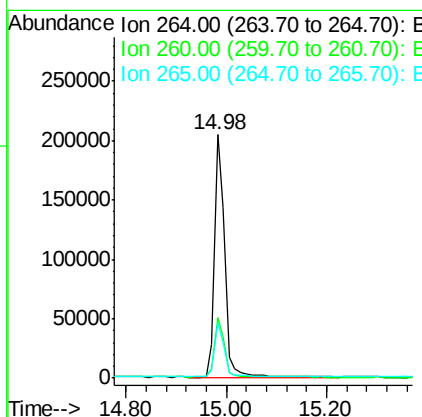
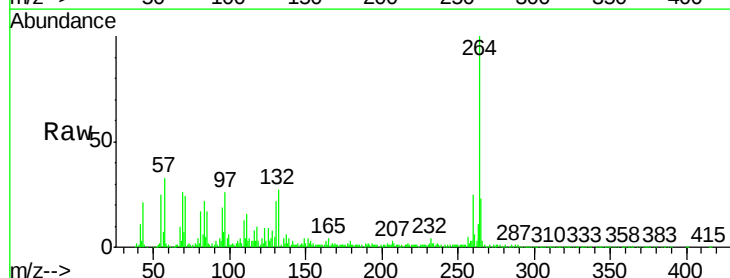
Instrument :
 BNA_F
 ClientSampleId :
 1050

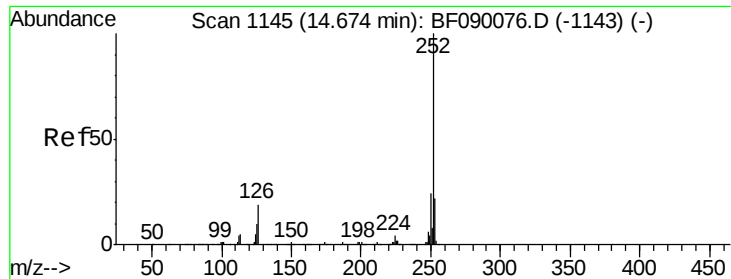
Tgt Ion:149 Resp: 42879
 Ion Ratio Lower Upper
 149 100
 167 33.5 21.2 31.8#
 279 6.1 2.2 3.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF090124.D
 Acq: 19 Sep 2016 17:08

Tgt Ion:264 Resp: 287419
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 22.5 17.0 25.4





#88

Benzo(k)fluoranthene

Concen: 2.13 ng

RT: 14.64 min Scan# 1142

Delta R.T. -0.03 min

Lab File: BF090124.D

Acq: 19 Sep 2016 17:08

Instrument :

BNA_F

ClientSampleId :

1050

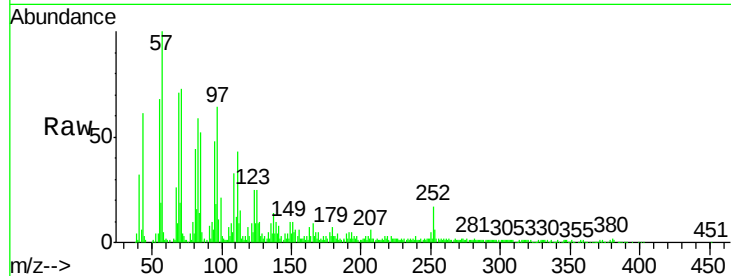
Tgt Ion: 252 Resp: 32254

Ion Ratio Lower Upper

252 100

253 33.8 17.8 26.8#

125 143.0 7.8 11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

