

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021815\
 Data File : BF077359.D
 Acq On : 18 Feb 2015 18:35
 Operator : TP/IZ
 Sample : G1233-06MSD
 Misc : S
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Quant Time: Feb 19 03:26:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	66783	20.00	ng	-0.02
21) Naphthalene-d8	8.93	136	277066	20.00	ng	-0.02
38) Acenaphthene-d10	11.12	164	144089	20.00	ng	-0.02
63) Phenanthrene-d10	12.99	188	242619	20.00	ng	0.01
75) Chrysene-d12	16.36	240	88386	20.00	ng	0.09
86) Perylene-d12	18.16	264	110154	20.00	ng	0.15

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	295226	75.55	ng	-0.02
7) Phenol-d6	6.90	99	374964	73.45	ng	-0.02
23) Nitrobenzene-d5	8.04	82	212376	53.08	ng	-0.02
41) 2,4,6-Tribromophenol	12.11	330	105302	78.96	ng	0.00
44) 2-Fluorobiphenyl	10.28	172	508574	53.21	ng	-0.02
78) Terphenyl-d14	15.03	244	195367	50.25	ng	0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	28498	16.64	ng	96
3) Pyridine	3.08	79	73676	16.29	ng	96
4) n-Nitrosodimethylamine	2.98	42	43611	20.15	ng	# 82
6) Aniline	6.94	93	69489	9.64	ng	# 90
8) 2-Chlorophenol	7.08	128	111972	24.45	ng	95
9) Benzaldehyde	6.81	77	8291	2.64	ng	# 54
10) Phenol	6.92	94	142419	24.01	ng	90
11) bis(2-Chloroethyl)ether	7.04	93	95989	21.58	ng	97
12) 1,3-Dichlorobenzene	7.28	146	118608	22.95	ng	98
13) 1,4-Dichlorobenzene	7.38	146	122331	22.96	ng	97
14) 1,2-Dichlorobenzene	7.56	146	119697	23.30	ng	96
15) Benzyl Alcohol	7.54	79	92934	24.03	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.71	45	138473	20.68	ng	97
17) 2-Methylphenol	7.68	107	89858	24.61	ng	94
18) Hexachloroethane	7.98	117	45089	25.97	ng	93
19) n-Nitroso-di-n-propylamine	7.87	70	80554	22.71	ng	96
20) 3+4-Methylphenols	7.86	107	117136	24.65	ng	93
22) Acetophenone	7.86	105	163567	25.09	ng	# 99
24) Nitrobenzene	8.06	77	107462	24.92	ng	99
25) Isophorone	8.37	82	208158	23.08	ng	# 86
26) 2-Nitrophenol	8.46	139	41256	32.44	ng	# 89
27) 2,4-Dimethylphenol	8.52	122	103970	25.31	ng	96
28) bis(2-Chloroethoxy)methane	8.65	93	134900	23.25	ng	99
29) 2,4-Dichlorophenol	8.76	162	92339	26.16	ng	91
30) 1,2,4-Trichlorobenzene	8.86	180	103328	23.05	ng	97
31) Naphthalene	8.97	128	355351	25.63	ng	99
32) Benzoic acid	8.60	122	31818	30.85	ng	# 83
33) 4-Chloroaniline	9.04	127	46708	7.88	ng	# 91
34) Hexachlorobutadiene	9.12	225	53510	21.84	ng	98
35) Caprolactam	9.45	113	28709	26.43	ng	93
36) 4-Chloro-3-methylphenol	9.63	107	102511	26.39	ng	85
37) 2-Methylnaphthalene	9.82	142	255376	25.61	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.03	216	99914	24.01	ng	98
40) Hexachlorocyclopentadiene	10.02	237	7186	3.47	ng	97

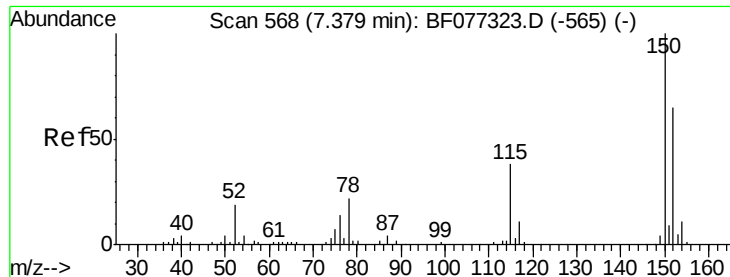
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	10.17	196	61757	26.49	ng	95
43) 2,4,5-Trichlorophenol	10.21	196	69142	27.74	ng	94
45) 1,1'-Biphenyl	10.41	154	294395	25.62	ng	96
46) 2-Chloronaphthalene	10.43	162	217930	25.53	ng	93
47) 2-Nitroaniline	10.55	65	52361	29.25	ng	92
48) Acenaphthylene	10.95	152	355195	25.24	ng	100
49) Dimethylphthalate	10.79	163	295660	29.82	ng	99
50) 2,6-Dinitrotoluene	10.87	165	53635	29.96	ng	# 60
51) Acenaphthene	11.16	154	204083	24.43	ng	99
52) 3-Nitroaniline	11.06	138	42928	20.01	ng	# 92
53) 2,4-Dinitrophenol	11.20	184	16088	58.94	ng	# 78
54) Dibenzofuran	11.37	168	298486	23.56	ng	95
55) 4-Nitrophenol	11.27	139	89875	60.61	ng	92
56) 2,4-Dinitrotoluene	11.36	165	66333	30.08	ng	# 89
57) Fluorene	11.80	166	262278	26.39	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.52	232	49122	24.88	ng	# 86
59) Diethylphthalate	11.68	149	254629	24.67	ng	99
60) 4-Chlorophenyl-phenylether	11.81	204	108278	22.39	ng	90
61) 4-Nitroaniline	11.81	138	46188	22.76	ng	95
62) Azobenzene	12.02	77	281446	27.52	ng	# 63
64) 4,6-Dinitro-2-methylphenol	11.87	198	14152	34.24	ng	# 22
65) n-Nitrosodiphenylamine	11.96	169	288098	36.40	ng	98
66) 4-Bromophenyl-phenylether	12.42	248	65757	24.31	ng	# 79
67) Hexachlorobenzene	12.49	284	73195	23.85	ng	# 82
68) Atrazine	12.64	200	58620	24.78	ng	73
69) Pentachlorophenol	12.74	266	71251	65.22	ng	95
70) Phenanthrene	13.01	178	429221	30.44	ng	# 90
71) Anthracene	13.08	178	297770	21.24	ng	# 89
72) Carbazole	13.28	167	314693	25.53	ng	# 87
73) Di-n-butylphthalate	13.73	149	332397	21.91	ng	# 90
74) Fluoranthene	14.52	202	231059	16.23	ng	73
76) Benzidine	14.69	184	8931	3.29	ng	# 1
77) Pyrene	14.82	202	183039	33.50	ng	# 75
79) Butylbenzylphthalate	15.64	149	44146	20.67	ng	# 69
80) Benzo(a)anthracene	16.35	228	227747	44.25	ng	# 75
81) 3,3'-Dichlorobenzidine	16.31	252	21509	12.65	ng	# 14
82) Chrysene	16.35	228	210269	43.20	ng	# 79
83) Bis(2-ethylhexyl)phthalate	16.39	149	84098	22.86	ng	# 62
84) Di-n-octyl phthalate	17.19	149	106767	18.89	ng	# 1
87) Benzo(b)fluoranthene	17.69	252	236073	33.34	ng	# 1
88) Benzo(k)fluoranthene	17.69	252	230055	39.33	ng	# 1
89) Benzo(a)pyrene	18.09	252	131941	21.41	ng	# 1
90) Dibenzo(a,h)anthracene	19.73	278	214605	34.21	ng	# 62
91) Benzo(g,h,i)perylene	20.17	276	241395	38.71	ng	# 87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 566

Delta R.T. -0.02 min

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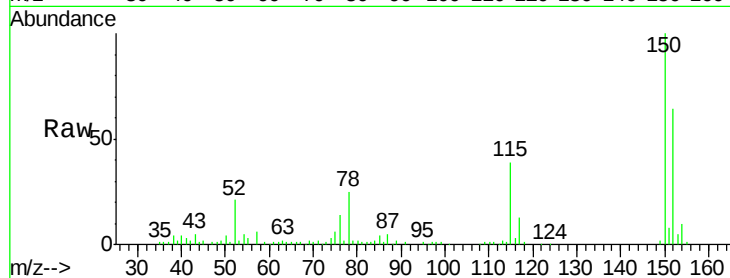
Tgt Ion:152 Resp: 66783

Ion Ratio Lower Upper

152 100

150 156.6 123.1 184.7

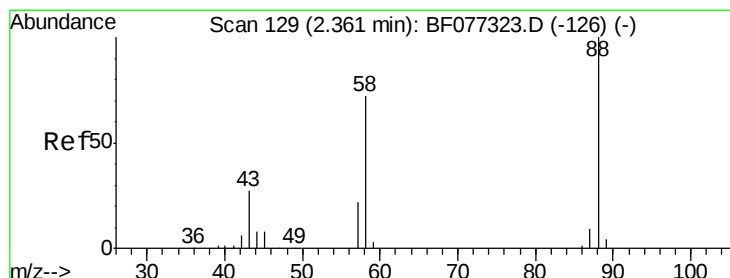
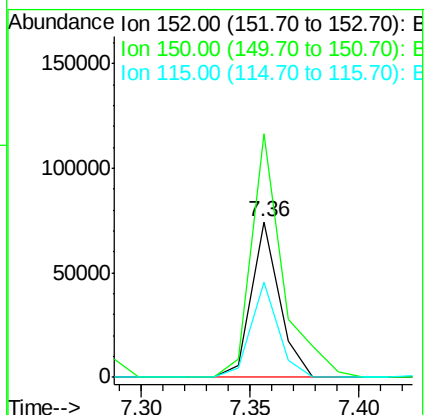
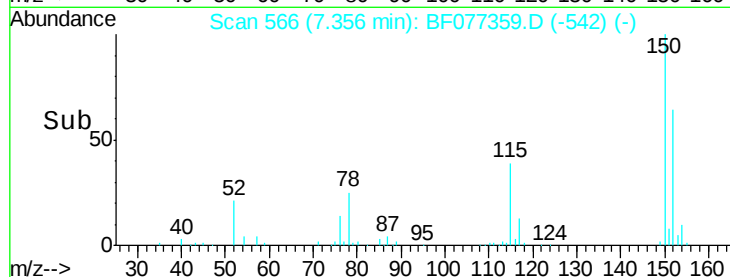
115 61.5 46.2 69.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 16.64 ng

RT: 2.30 min Scan# 124

Delta R.T. -0.06 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

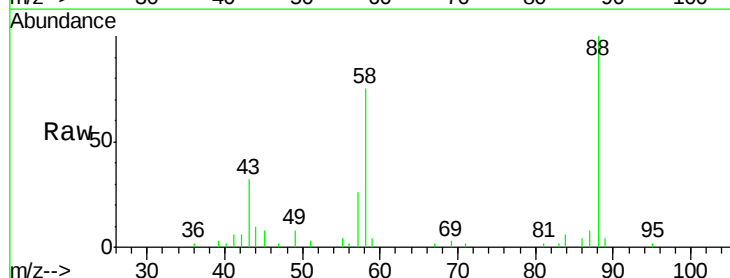
Tgt Ion: 88 Resp: 28498

Ion Ratio Lower Upper

88 100

58 75.8 57.8 86.6

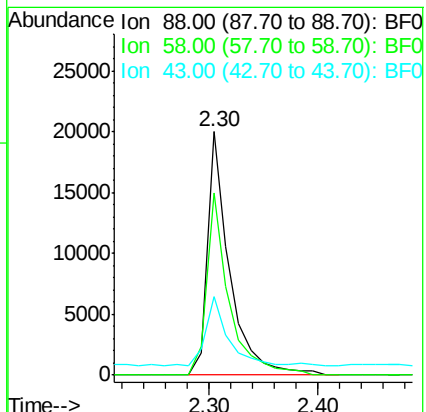
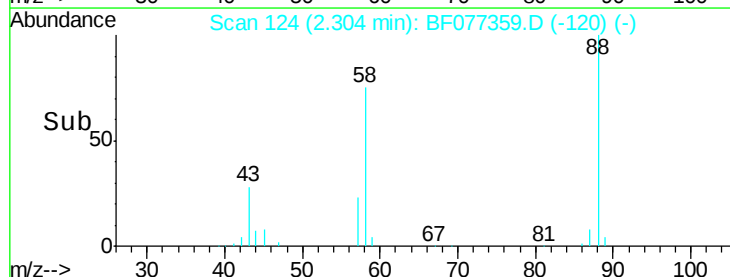
43 30.9 23.2 34.8

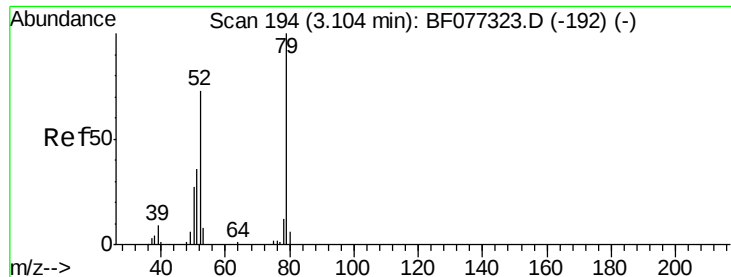


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 16.29 ng

RT: 3.08 min Scan# 192

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

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ClientSampleId :

VMA1(9.5-10)MSD

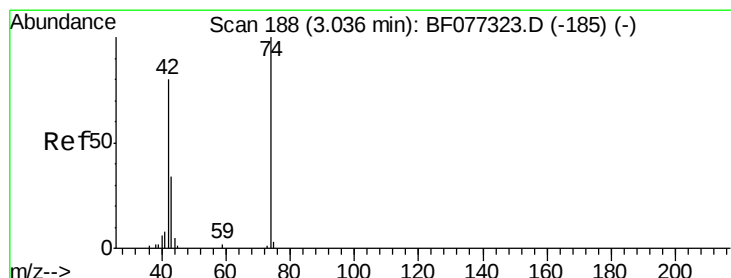
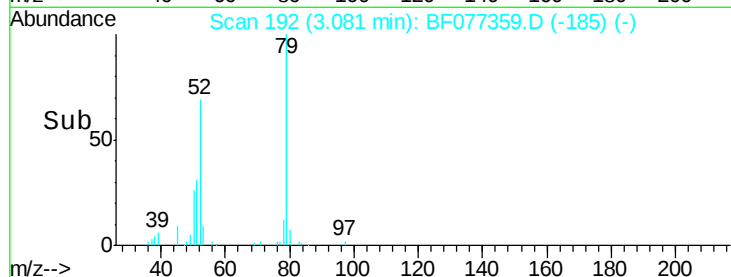
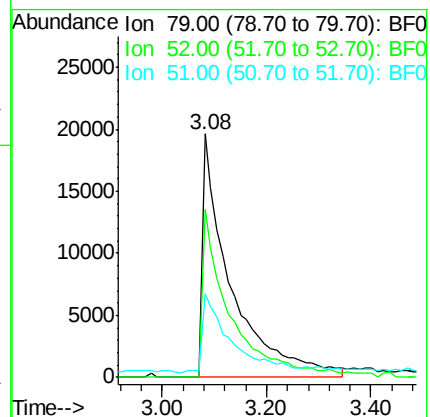
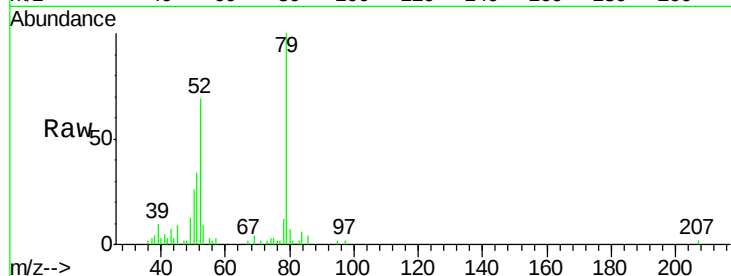
Tgt Ion: 79 Resp: 73676

Ion Ratio Lower Upper

79 100

52 69.0 58.4 87.6

51 34.1 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 20.15 ng

RT: 2.98 min Scan# 183

Delta R.T. -0.06 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

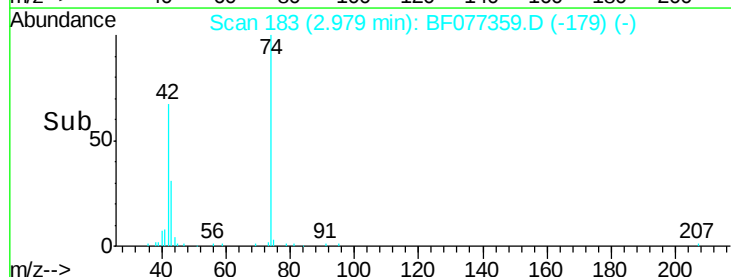
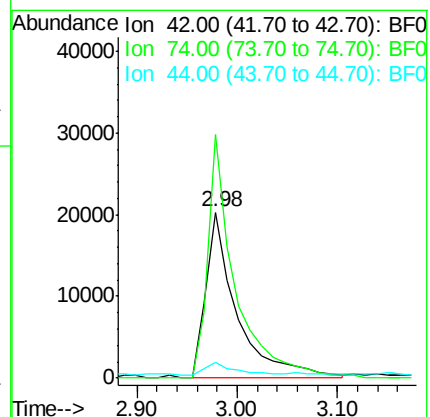
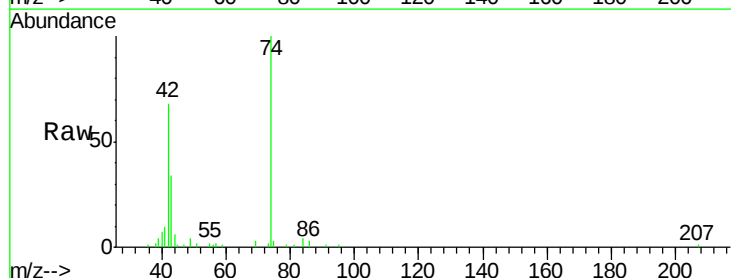
Tgt Ion: 42 Resp: 43611

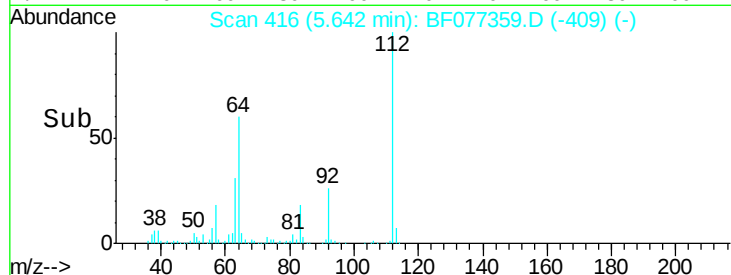
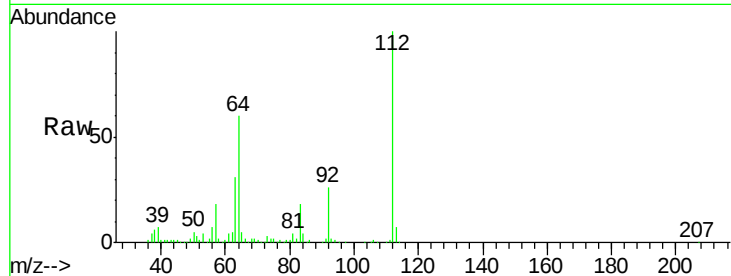
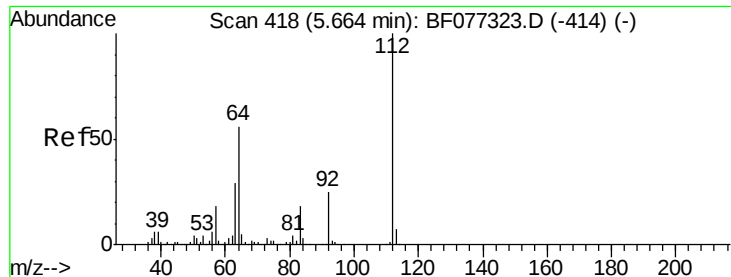
Ion Ratio Lower Upper

42 100

74 146.8 100.0 150.0

44 9.2 6.1 9.1#





#5

2-Fluorophenol

Concen: 75.55 ng

RT: 5.64 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

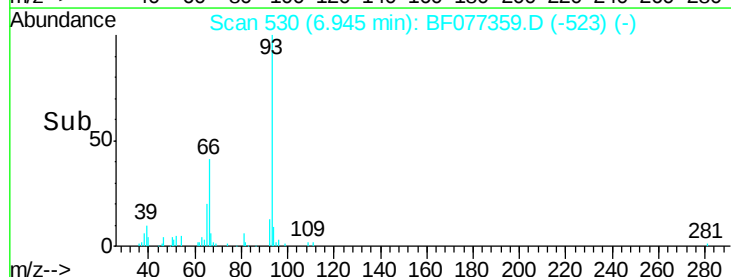
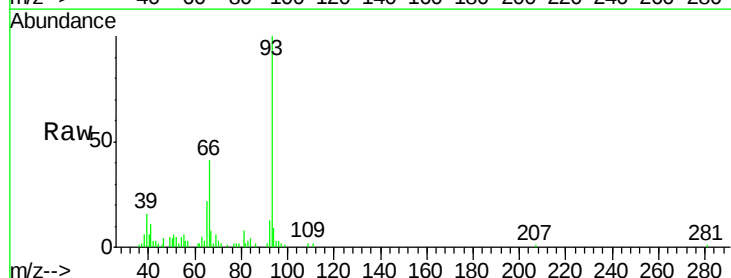
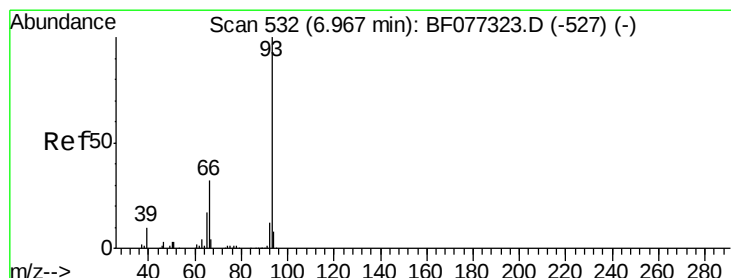
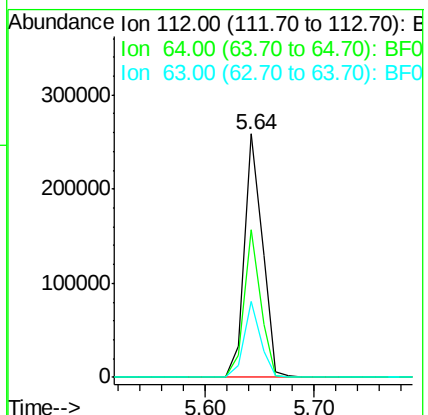
Tgt Ion: 112 Resp: 295226

Ion Ratio Lower Upper

112 100

64 60.4 44.7 67.1

63 31.0 23.3 34.9



#6

Aniline

Concen: 9.64 ng

RT: 6.94 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

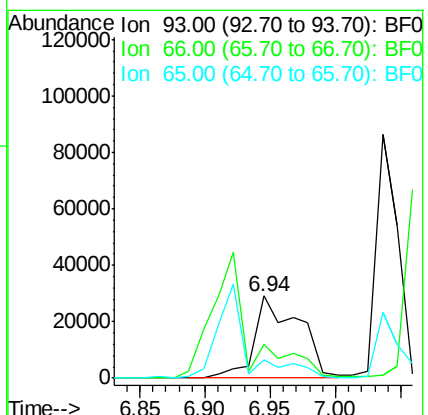
Tgt Ion: 93 Resp: 69489

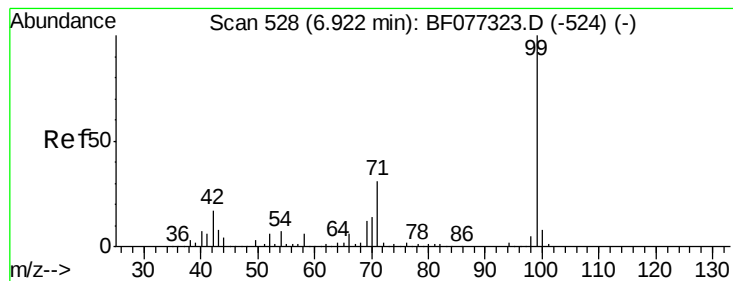
Ion Ratio Lower Upper

93 100

66 41.4 28.3 42.5

65 21.9 14.1 21.1#





#7

Phenol-d6

Concen: 73.45 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

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ClientSampleId :

VMA1(9.5-10)MSD

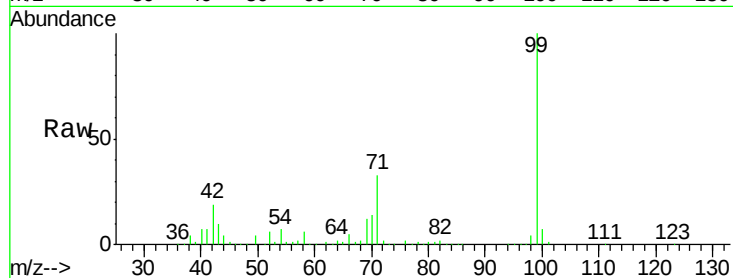
Tgt Ion: 99 Resp: 374964

Ion Ratio Lower Upper

99 100

42 18.9 13.8 20.6

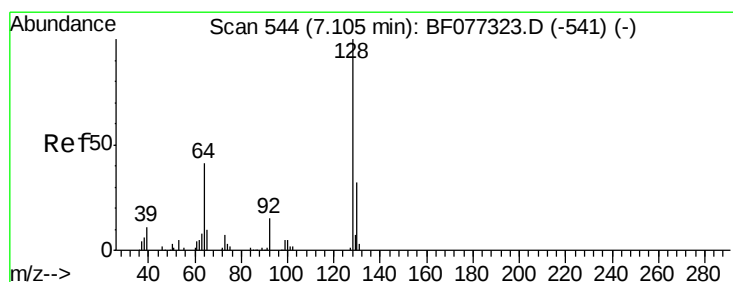
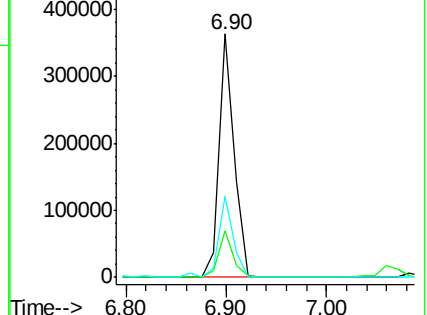
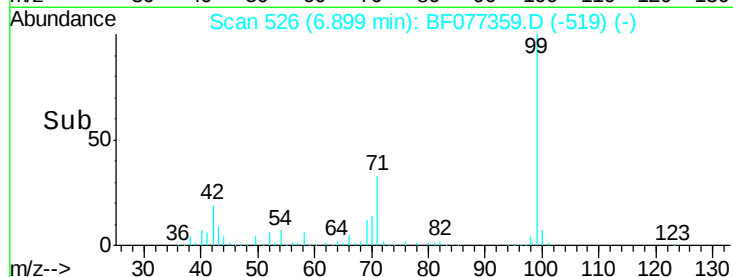
71 33.1 24.6 37.0



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



#8

2-Chlorophenol

Concen: 24.45 ng

RT: 7.08 min Scan# 542

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

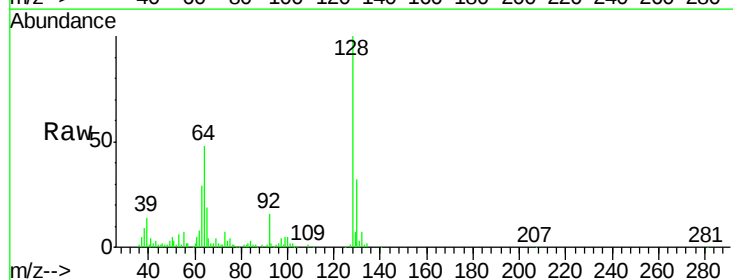
Tgt Ion: 128 Resp: 111972

Ion Ratio Lower Upper

128 100

130 32.0 12.4 52.4

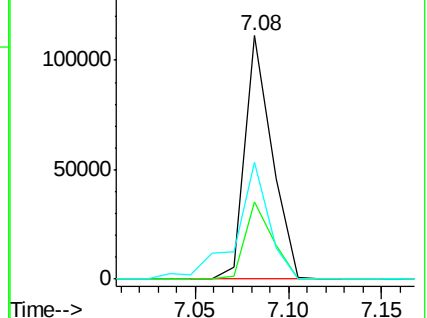
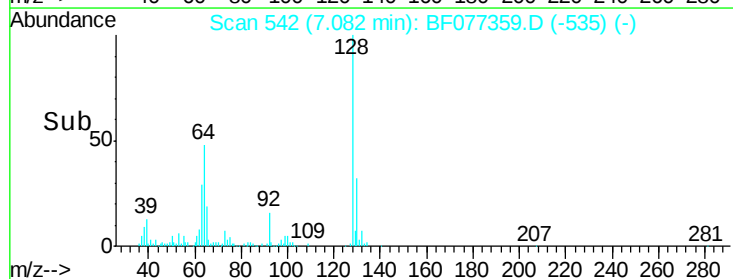
64 47.9 23.2 63.2

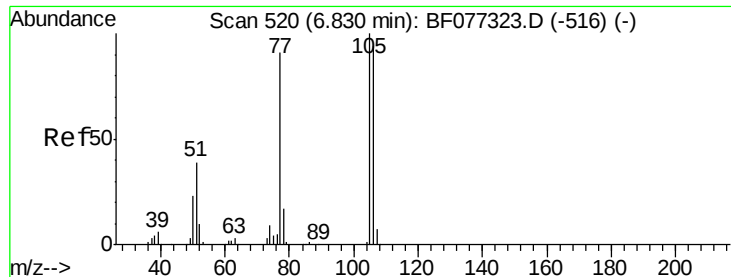


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.64 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.02 min

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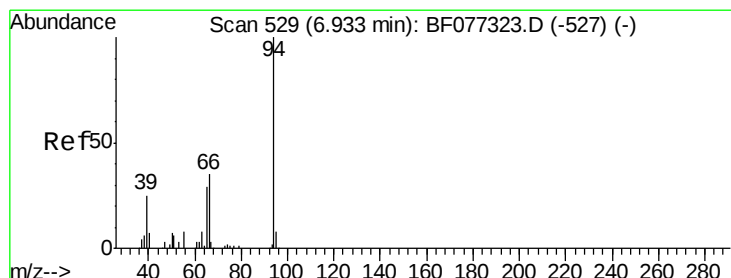
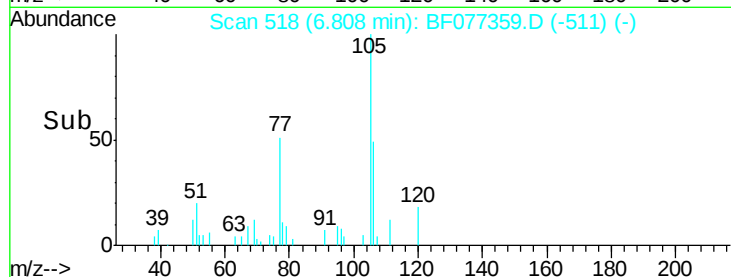
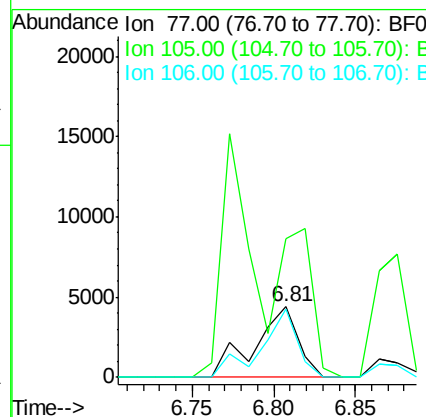
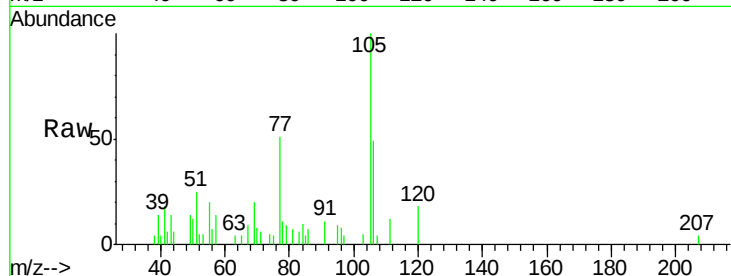
Tgt Ion: 77 Resp: 8291

Ion Ratio Lower Upper

77 100

105 196.7 89.5 129.5#

106 96.5 83.2 123.2



#10

Phenol

Concen: 24.01 ng

RT: 6.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

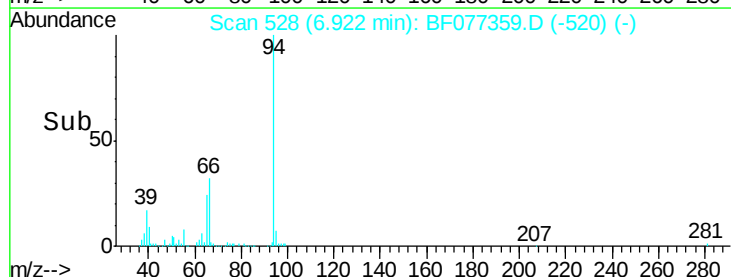
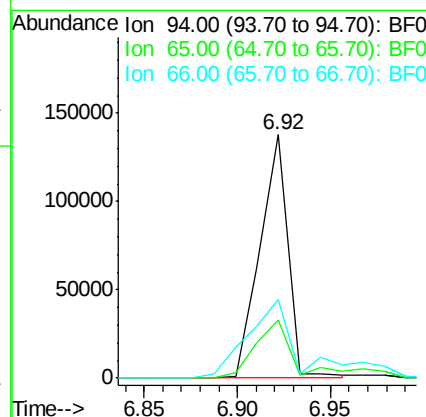
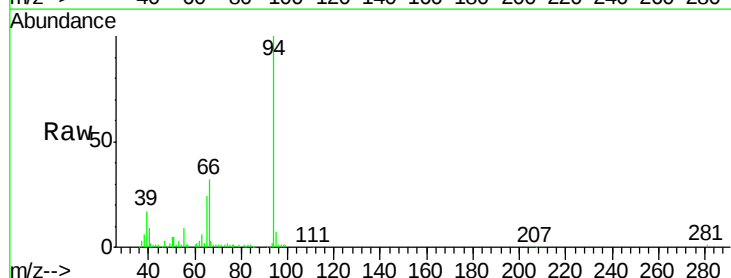
Tgt Ion: 94 Resp: 142419

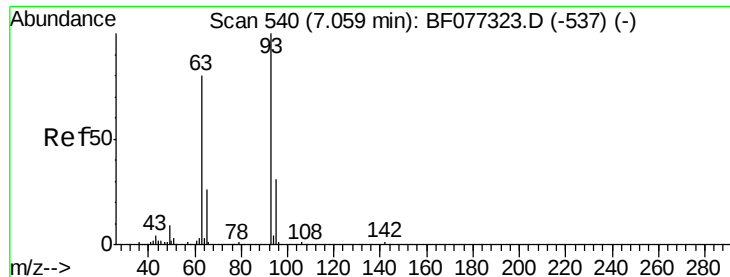
Ion Ratio Lower Upper

94 100

65 24.0 9.3 49.3

66 32.4 18.3 58.3

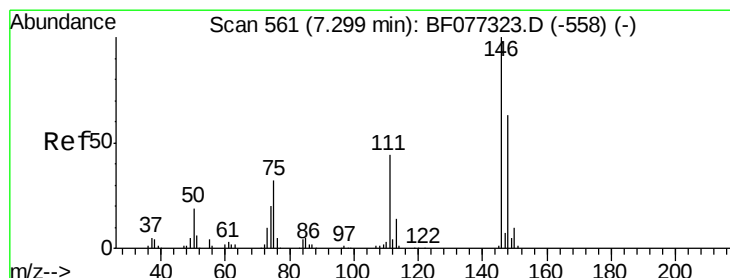
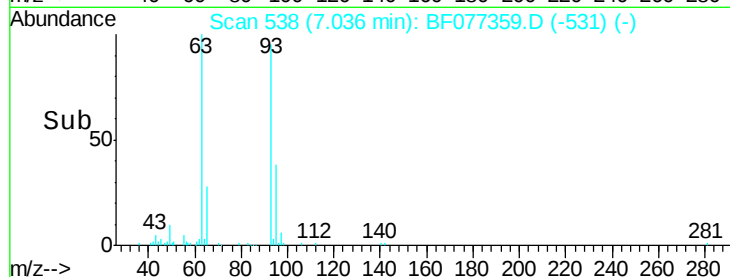
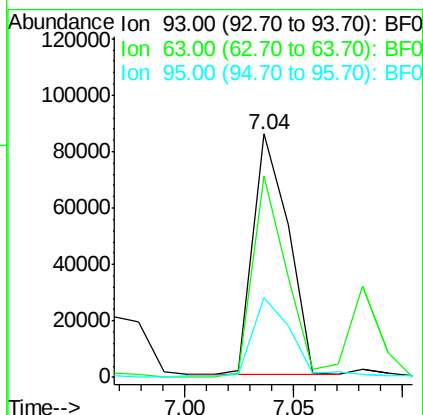
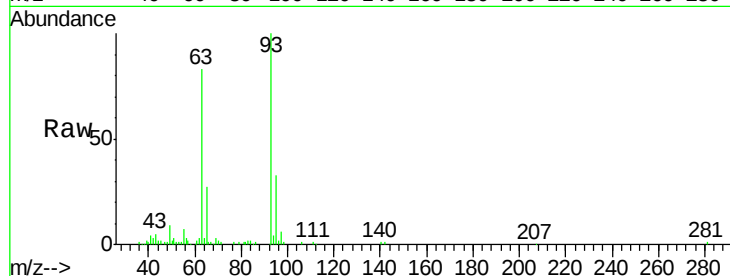




#11
bis(2-Chloroethyl)ether
Concen: 21.58 ng
RT: 7.04 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

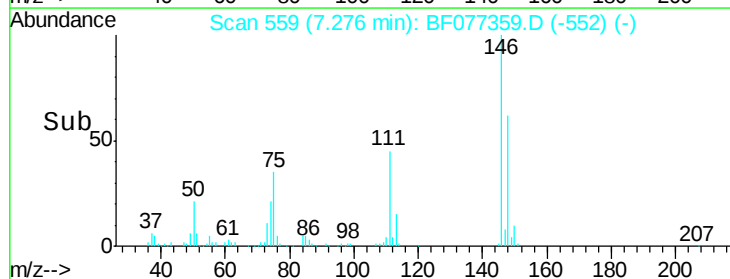
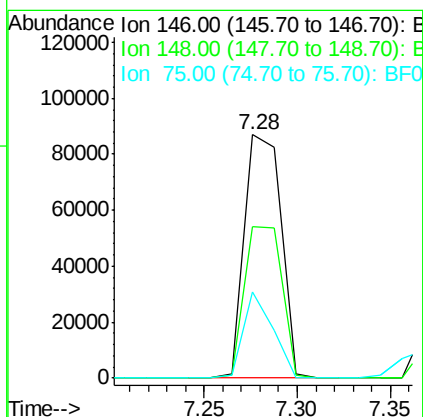
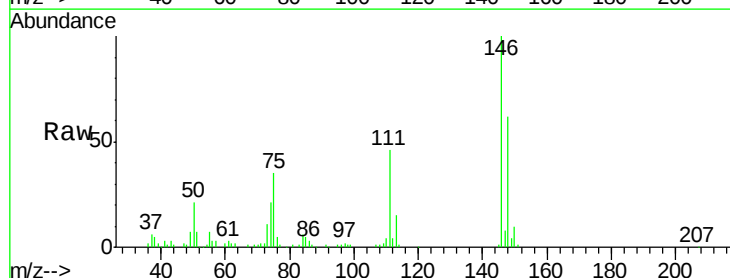
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

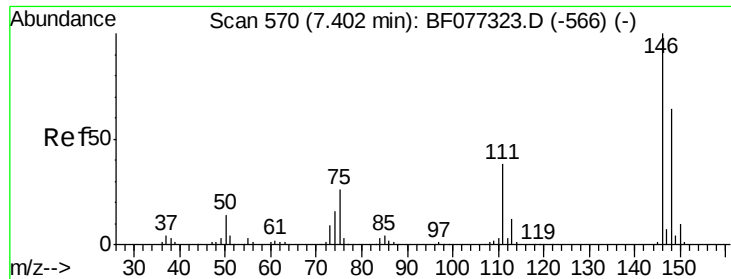
Tgt Ion: 93 Resp: 95989
Ion Ratio Lower Upper
93 100
63 82.7 60.0 100.0
95 32.8 11.4 51.4



#12
1,3-Dichlorobenzene
Concen: 22.95 ng
RT: 7.28 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion: 146 Resp: 118608
Ion Ratio Lower Upper
146 100
148 62.2 50.2 75.4
75 35.2 25.9 38.9

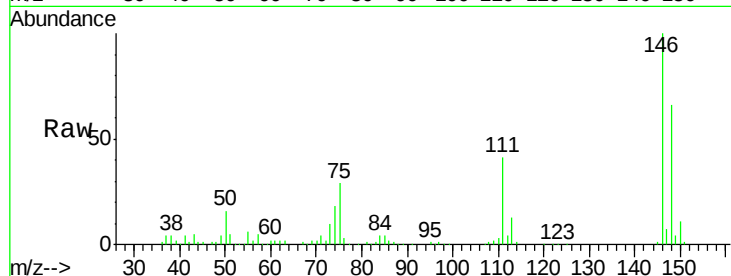




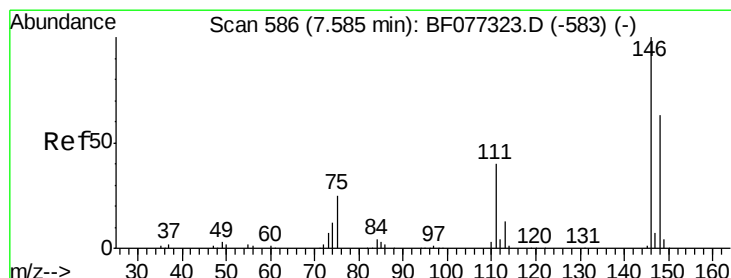
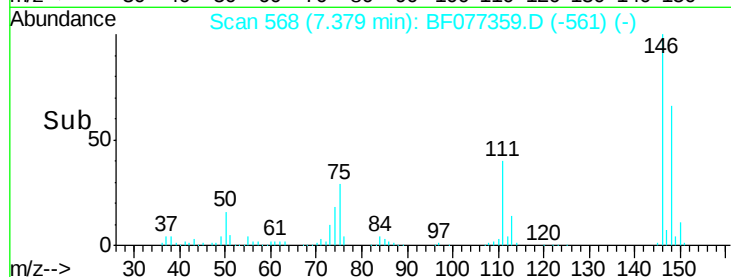
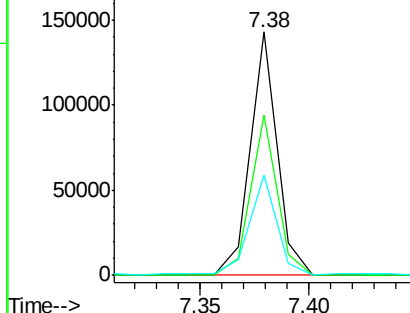
#13
 1,4-Dichlorobenzene
 Concen: 22.96 ng
 RT: 7.38 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Tgt Ion:146 Resp: 122331
 Ion Ratio Lower Upper
 146 100
 148 65.9 51.6 77.4
 111 41.0 30.7 46.1

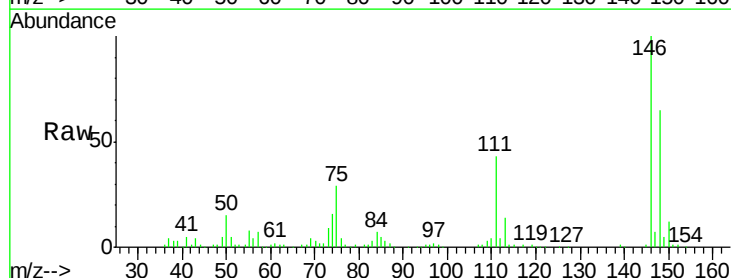


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

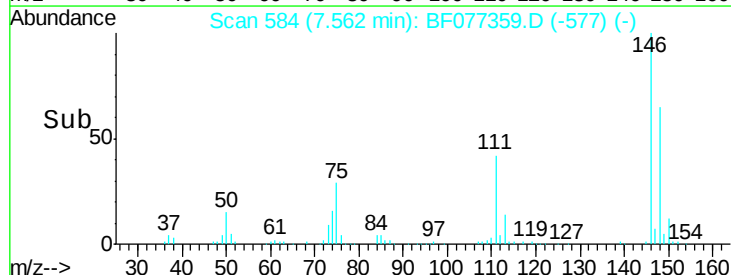
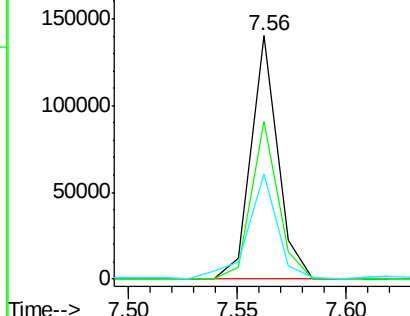


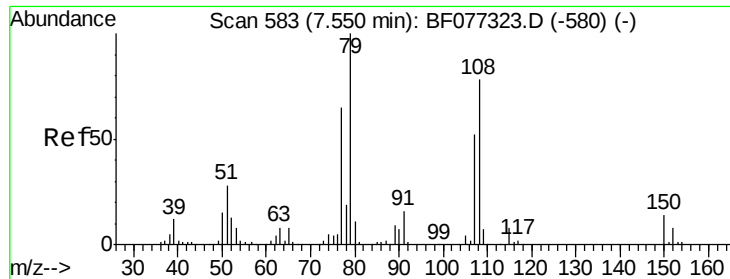
#14
 1,2-Dichlorobenzene
 Concen: 23.30 ng
 RT: 7.56 min Scan# 584
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:146 Resp: 119697
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.3 75.5
 111 43.2 31.8 47.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

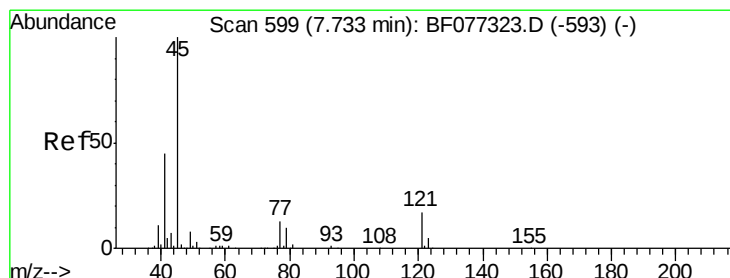
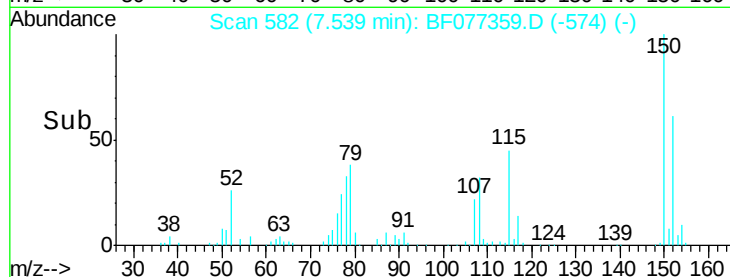
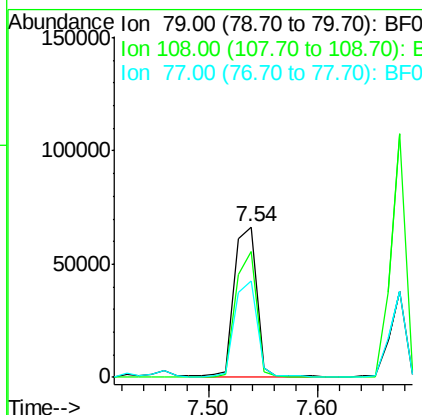
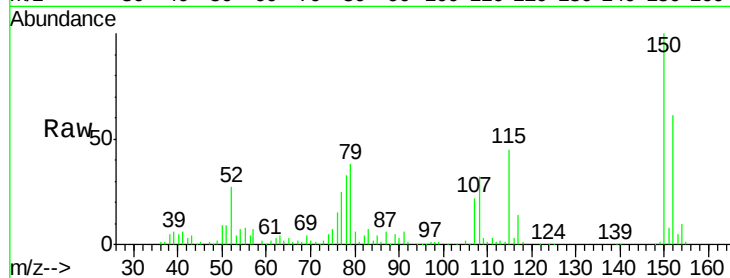




#15
Benzyl Alcohol
Concen: 24.03 ng
RT: 7.54 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

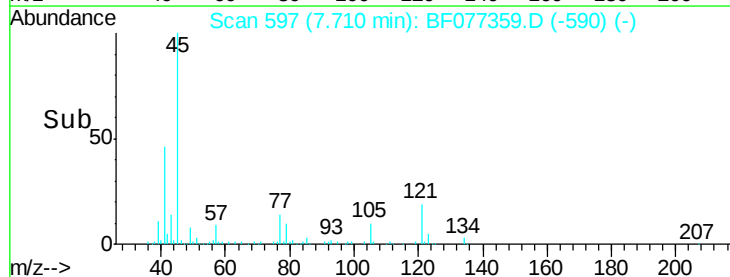
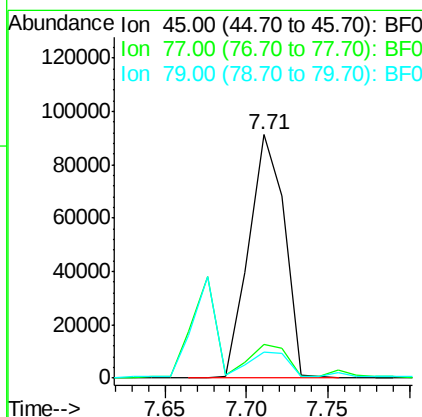
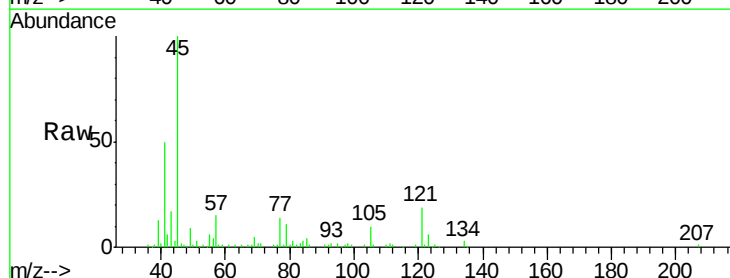
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

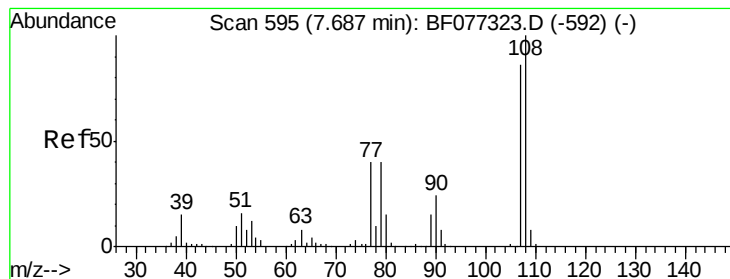
Tgt Ion: 79 Resp: 92934
Ion Ratio Lower Upper
79 100
108 84.2 62.0 93.0
77 63.9 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.68 ng
RT: 7.71 min Scan# 597
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion: 45 Resp: 138473
Ion Ratio Lower Upper
45 100
77 14.0 0.0 32.7
79 10.5 0.0 30.0





#17

2-Methylphenol

Concen: 24.61 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

Tgt Ion:107 Resp: 89858

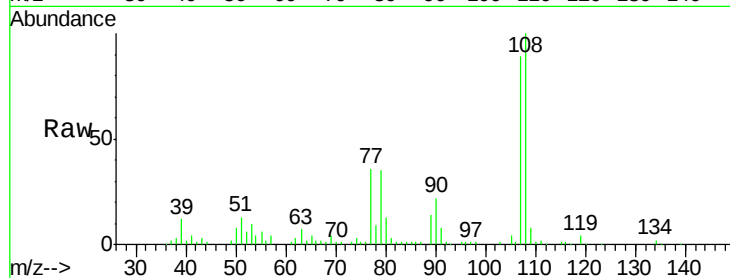
Ion Ratio Lower Upper

107 100

108 112.7 92.6 138.8

77 40.1 37.4 56.0

79 39.7 36.8 55.2

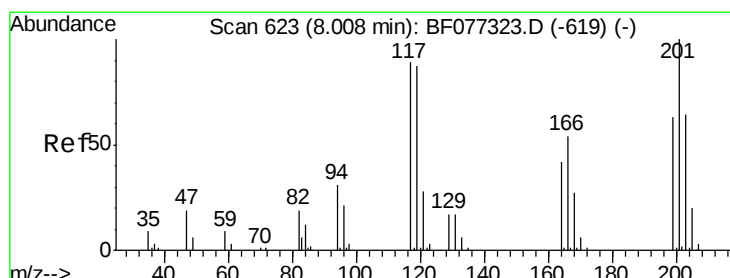
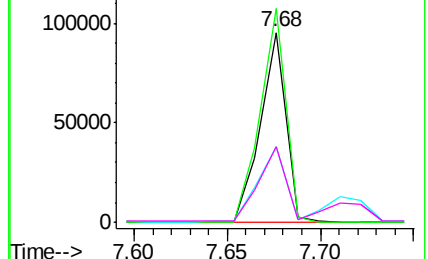
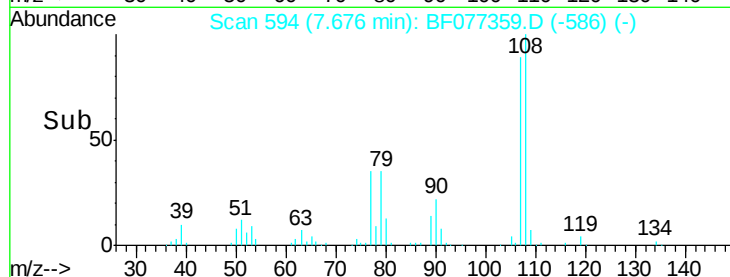


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 25.97 ng

RT: 7.98 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

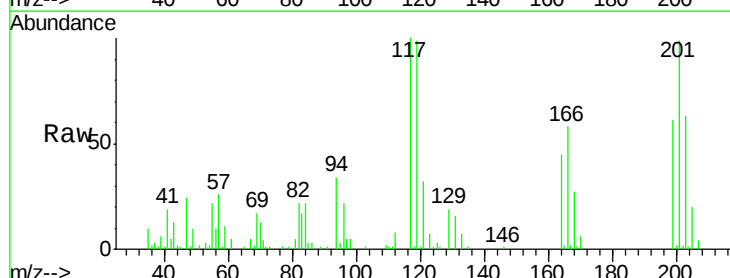
Tgt Ion:117 Resp: 45089

Ion Ratio Lower Upper

117 100

119 98.5 78.4 117.6

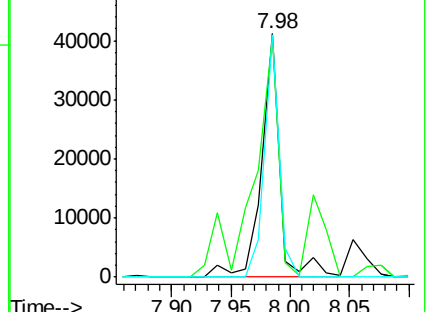
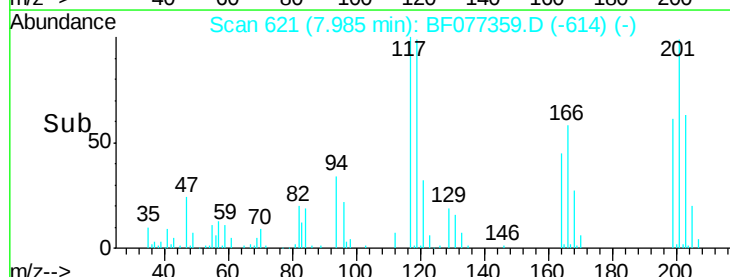
201 99.5 90.1 135.1

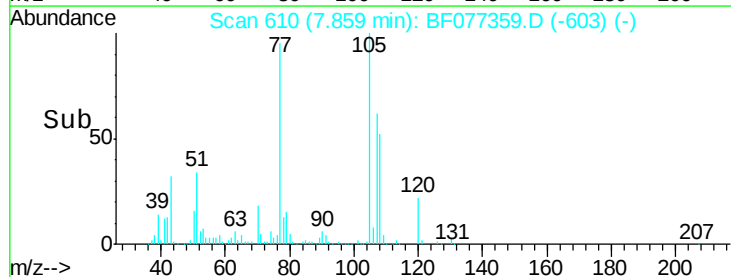
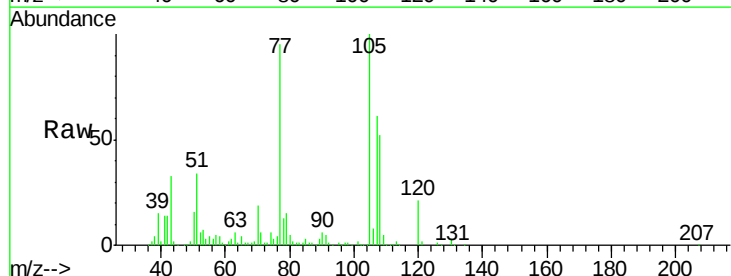
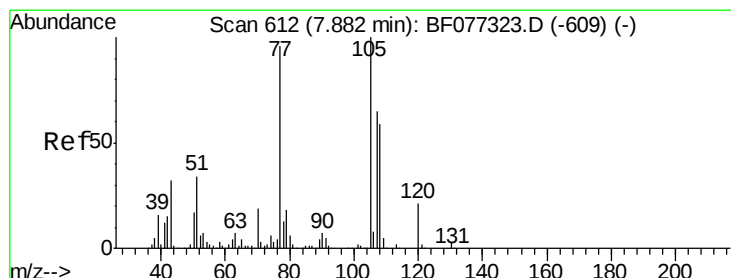
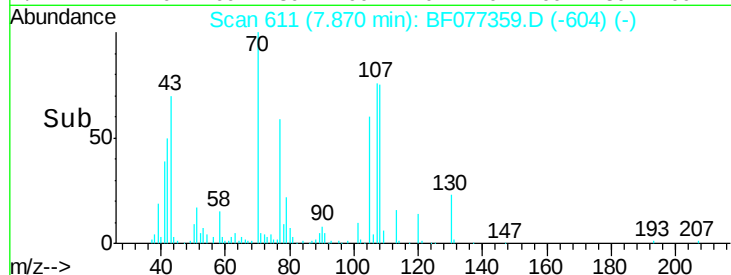
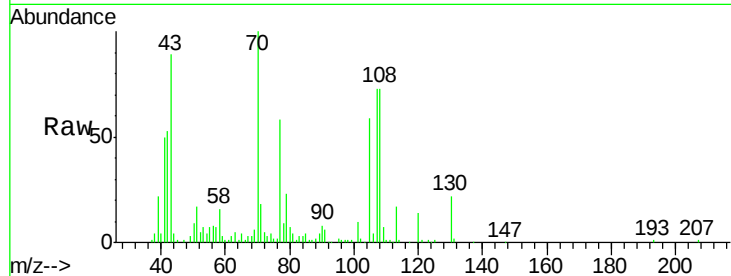
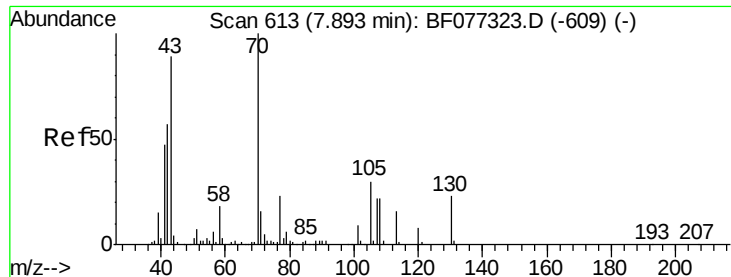


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

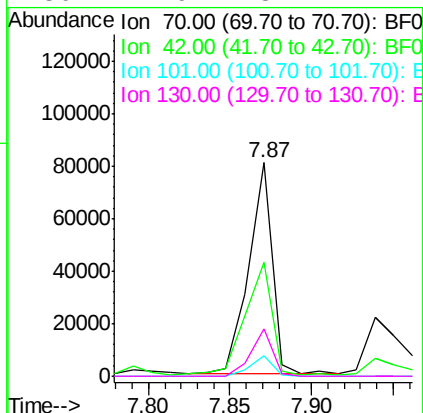




#19
n-Nitroso-di-n-propylamine
Concen: 22.71 ng
RT: 7.87 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

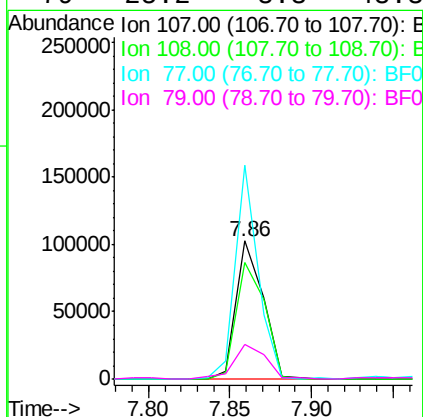
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

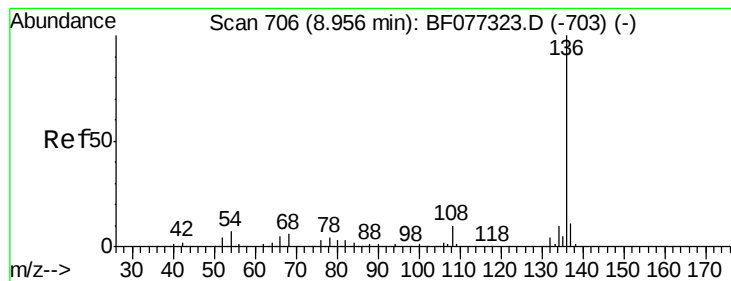
Tgt Ion: 70 Resp: 80554
Ion Ratio Lower Upper
70 100
42 53.2 45.5 68.3
101 9.9 7.5 11.3
130 21.9 18.2 27.2



#20
3+4-Methylphenols
Concen: 24.65 ng
RT: 7.86 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion: 107 Resp: 117136
Ion Ratio Lower Upper
107 100
108 84.8 70.6 110.6
77 155.2 126.5 166.5
79 25.2 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.93 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

Tgt Ion:136 Resp: 277066

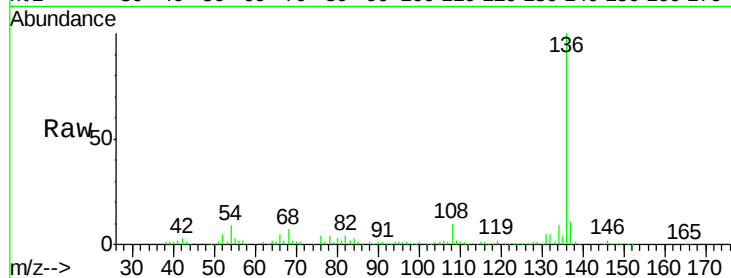
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.7 5.8 8.6#

68 6.8 4.6 6.8

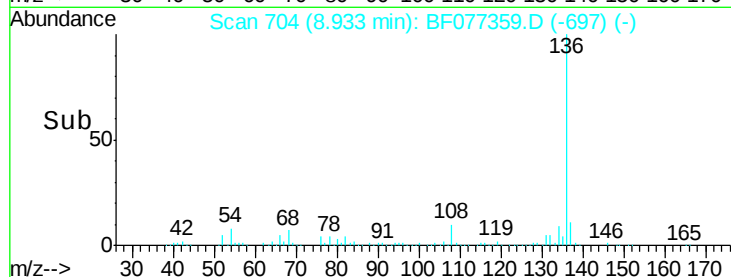


Abundance Ion 136.00 (135.70 to 136.70): E

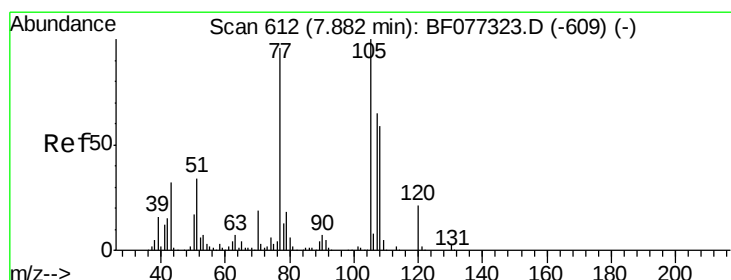
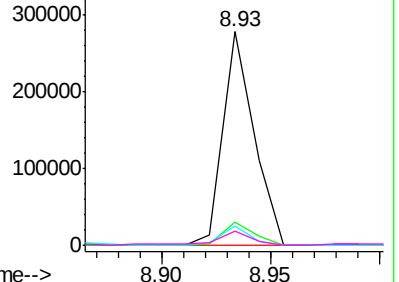
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 25.09 ng

RT: 7.86 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Tgt Ion:105 Resp: 163567

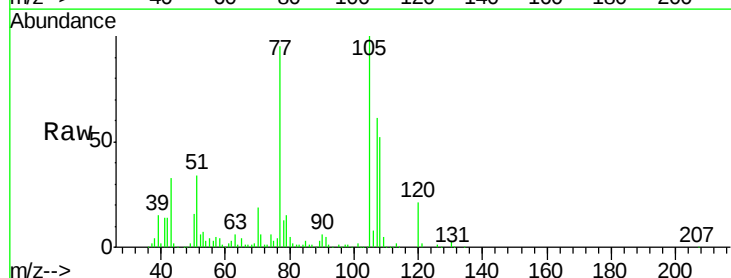
Ion Ratio Lower Upper

105 100

71 5.6 2.5 3.7#

51 34.3 27.4 41.2

120 21.4 17.2 25.8

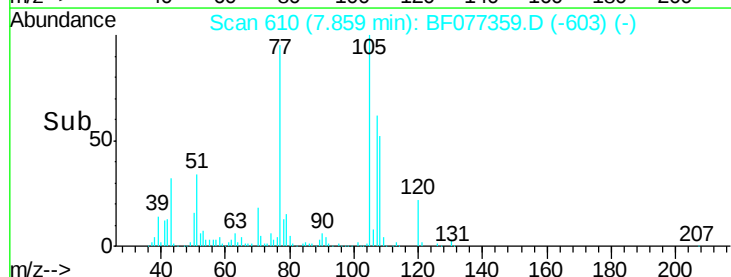


Abundance Ion 105.00 (104.70 to 105.70): E

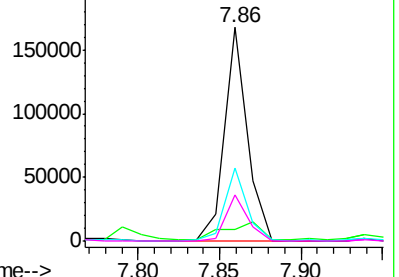
Ion 71.00 (70.70 to 71.70): BF0

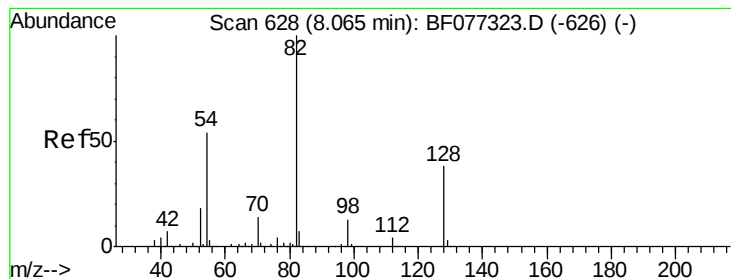
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 53.08 ng

RT: 8.04 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

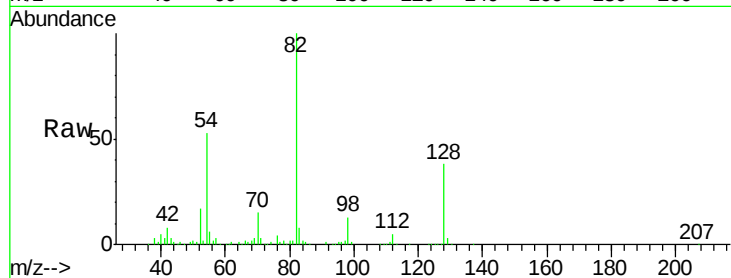
Tgt Ion: 82 Resp: 212376

Ion Ratio Lower Upper

82 100

128 38.4 30.7 46.1

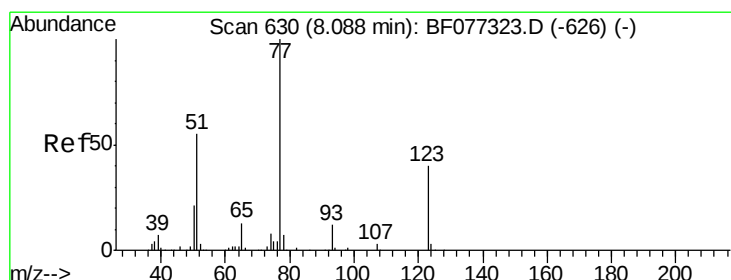
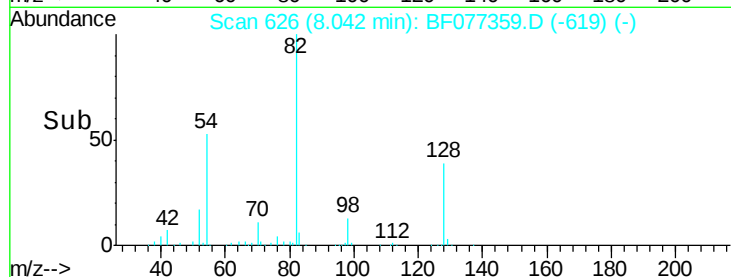
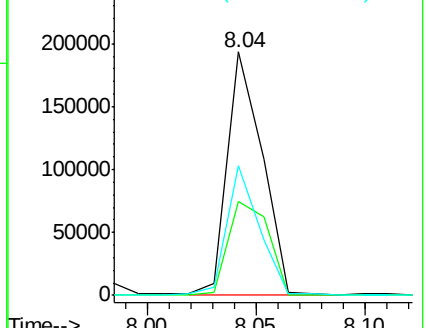
54 53.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 24.92 ng

RT: 8.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

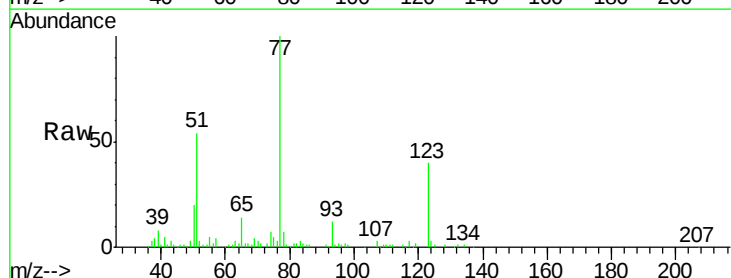
Tgt Ion: 77 Resp: 107462

Ion Ratio Lower Upper

77 100

123 40.0 31.7 47.5

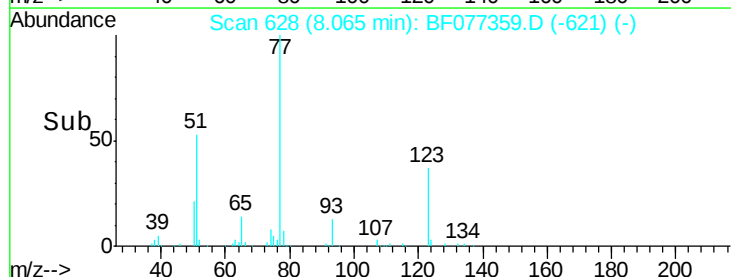
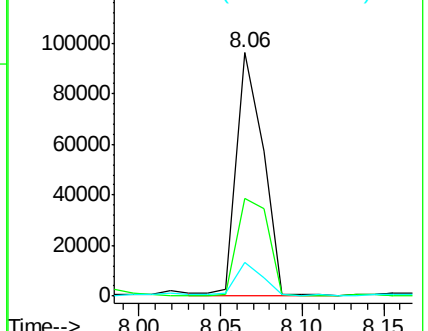
65 13.8 10.7 16.1

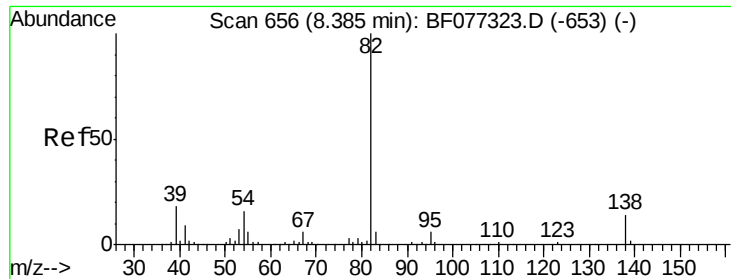


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 23.08 ng

RT: 8.37 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

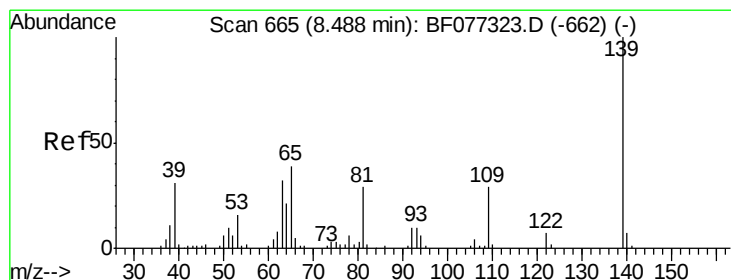
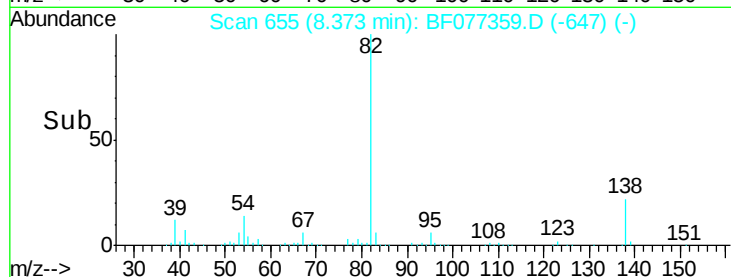
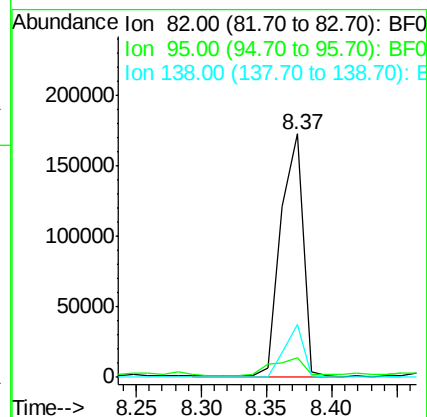
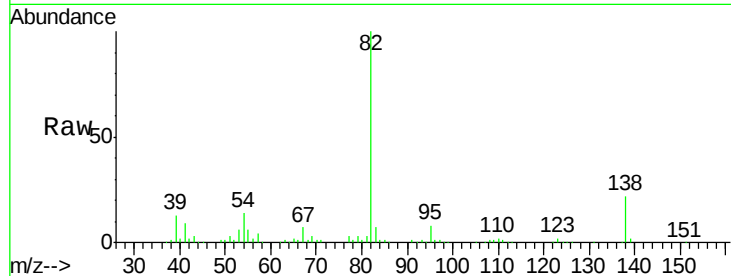
Tgt Ion: 82 Resp: 208158

Ion Ratio Lower Upper

82 100

95 8.1 5.0 7.6#

138 21.5 11.5 17.3#



#26

2-Nitrophenol

Concen: 32.44 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

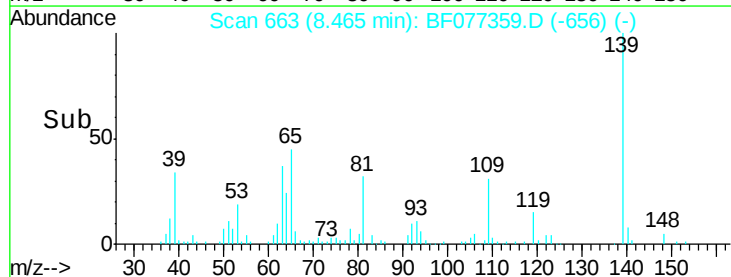
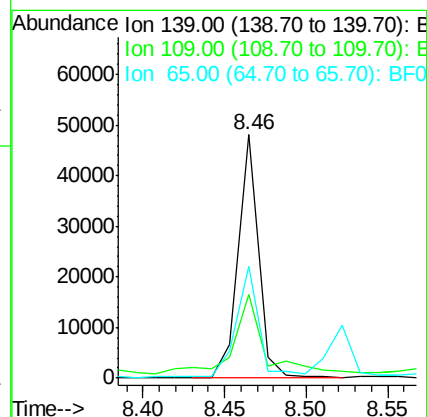
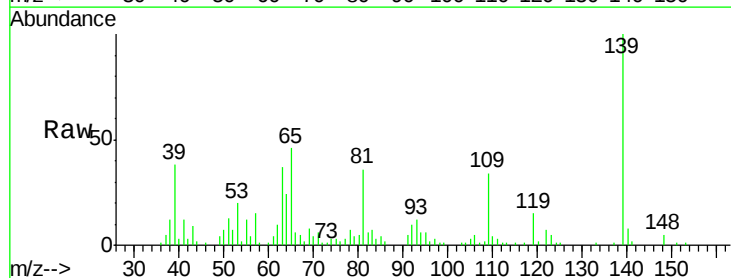
Tgt Ion: 139 Resp: 41256

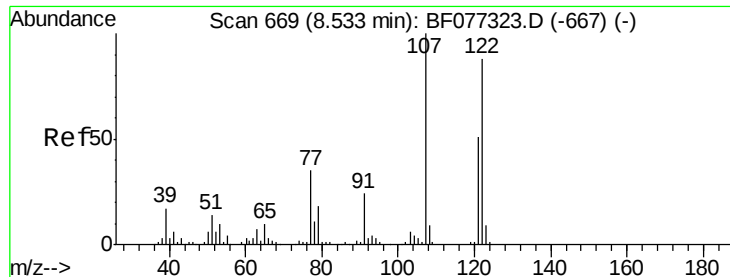
Ion Ratio Lower Upper

139 100

109 34.3 22.9 34.3#

65 45.7 31.4 47.2





#27

2,4-Dimethylphenol

Concen: 25.31 ng

RT: 8.52 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

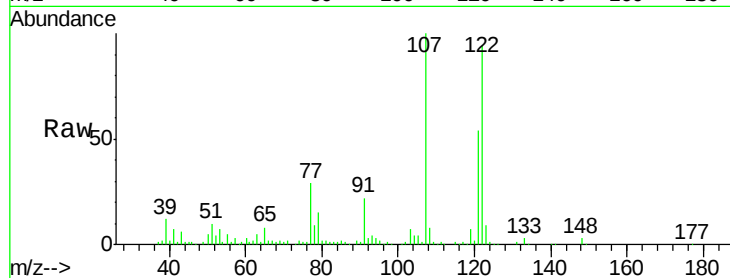
Tgt Ion:122 Resp: 103970

Ion Ratio Lower Upper

122 100

107 106.7 90.6 135.8

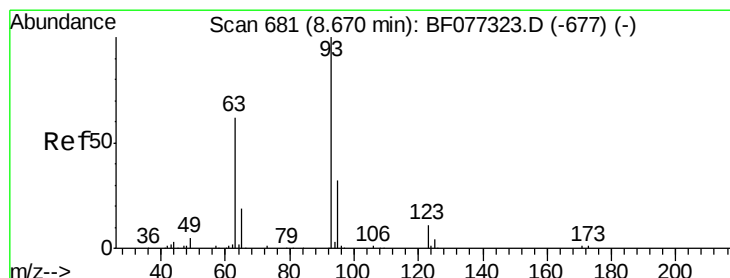
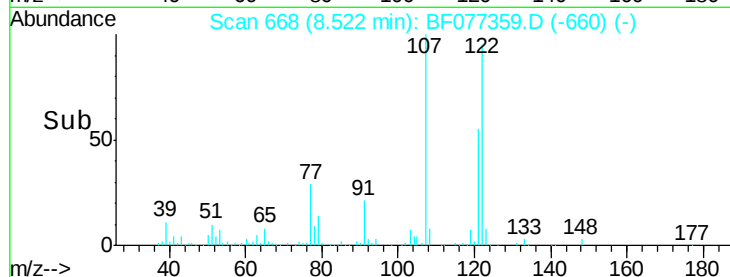
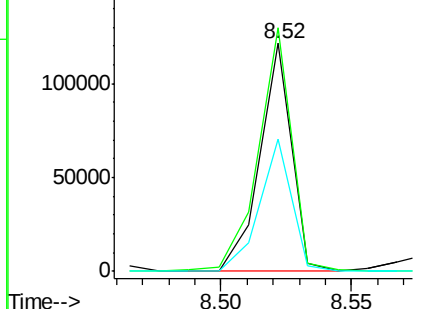
121 58.0 46.2 69.2



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



#28

bis(2-Chloroethoxy)methane

Concen: 23.25 ng

RT: 8.65 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

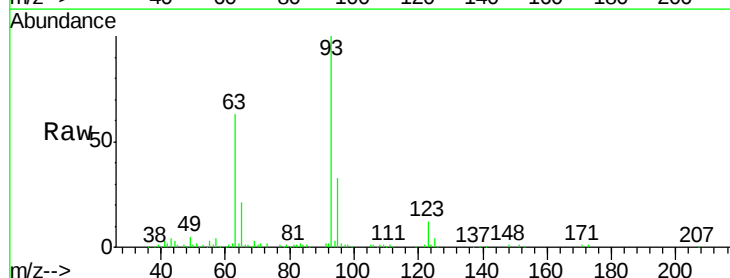
Tgt Ion: 93 Resp: 134900

Ion Ratio Lower Upper

93 100

95 33.4 25.9 38.9

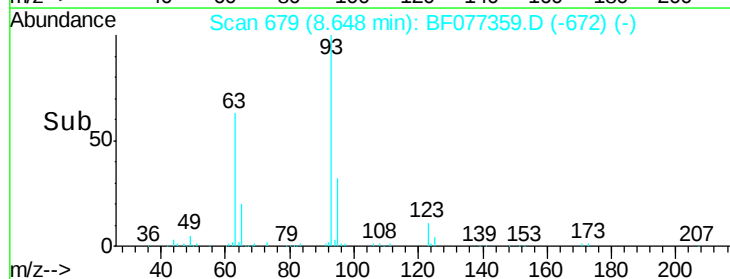
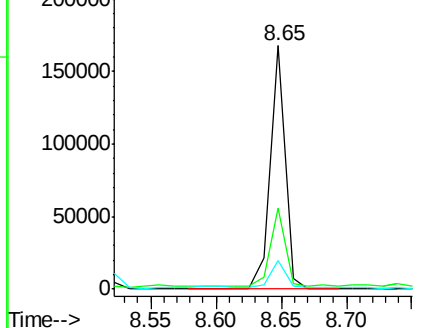
123 11.7 9.2 13.8

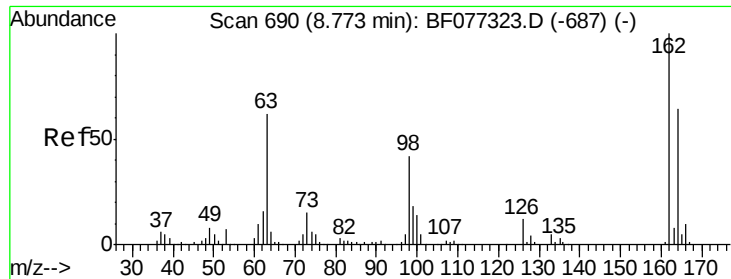


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

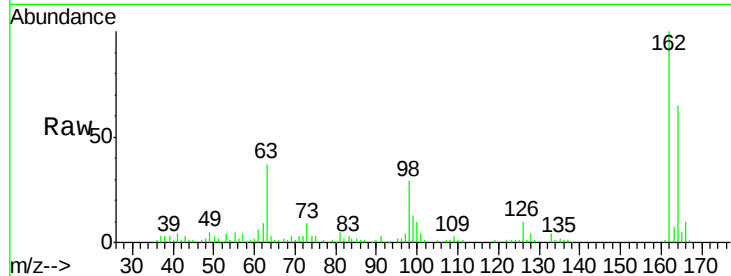




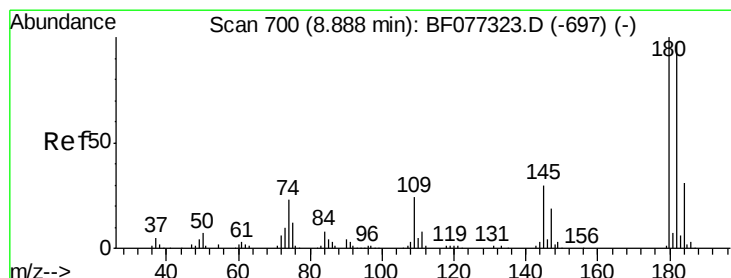
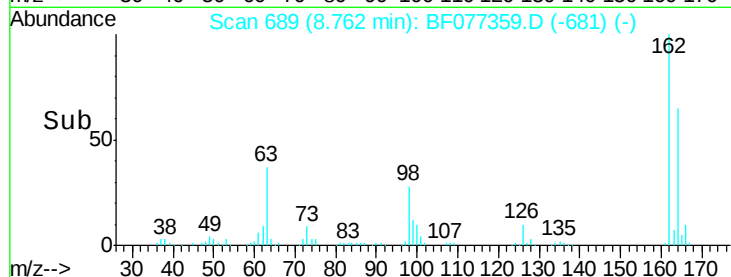
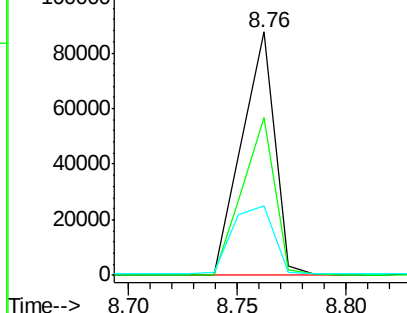
#29
 2,4-Dichlorophenol
 Concen: 26.16 ng
 RT: 8.76 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Tgt Ion:162 Resp: 92339
 Ion Ratio Lower Upper
 162 100
 164 65.0 43.7 83.7
 98 28.8 21.7 61.7

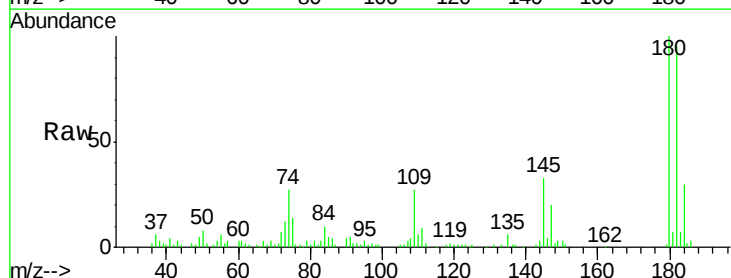


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

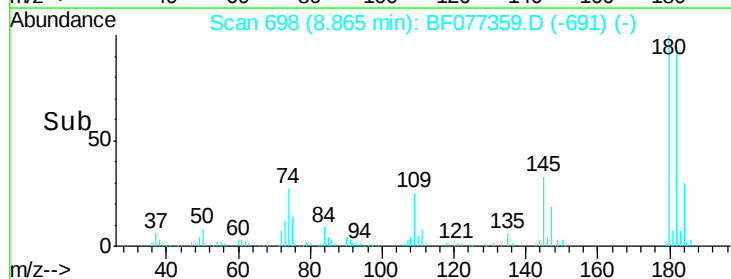
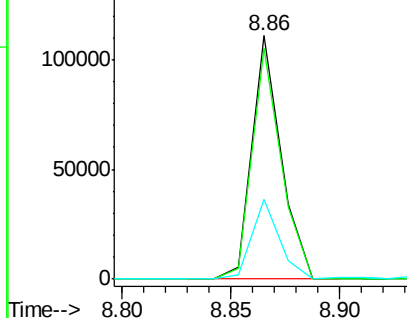


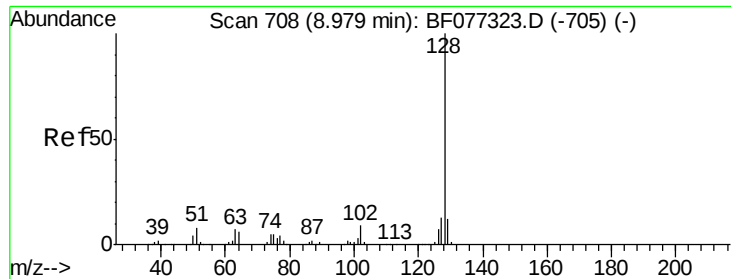
#30
 1,2,4-Trichlorobenzene
 Concen: 23.05 ng
 RT: 8.86 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:180 Resp: 103328
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.8 116.8
 145 32.6 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

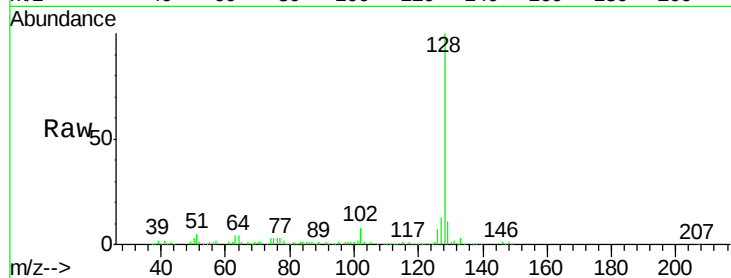




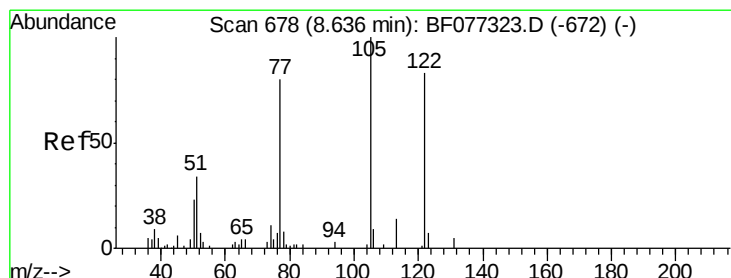
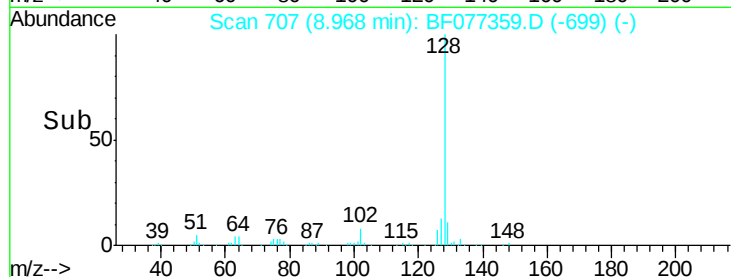
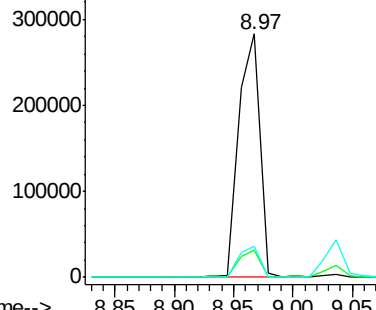
#31
Naphthalene
Concen: 25.63 ng
RT: 8.97 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	12.8	10.5	15.7

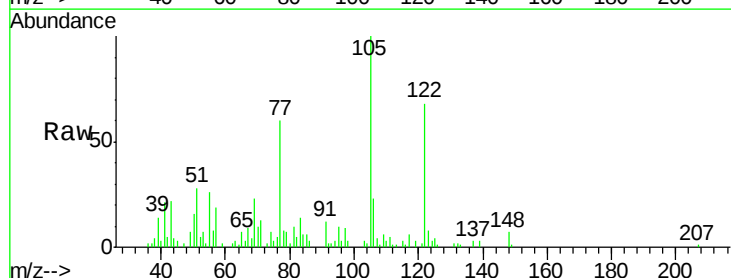


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

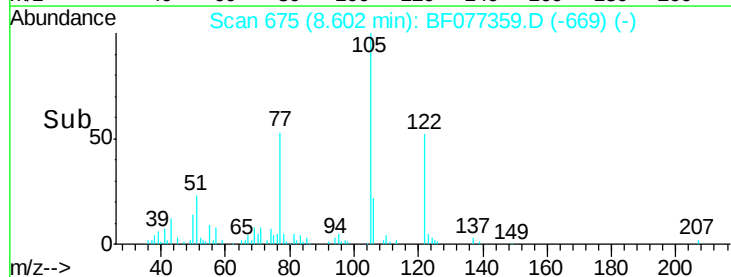
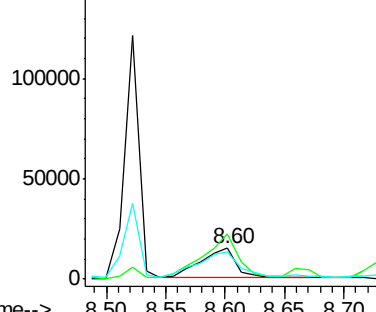


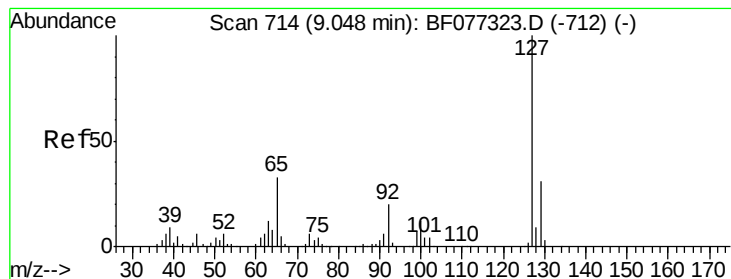
#32
Benzoic acid
Concen: 30.85 ng
RT: 8.60 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	146.6	98.4	138.4#
77	88.4	75.4	115.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 7.88 ng

RT: 9.04 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

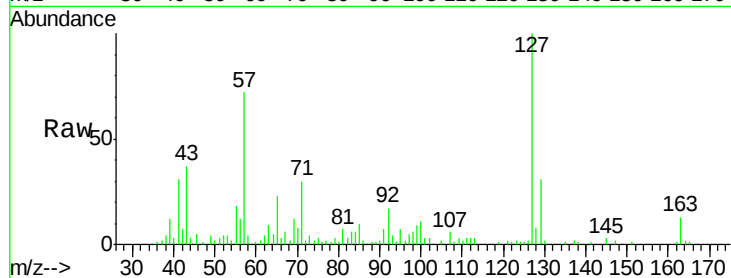
Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

Tgt Ion:	127	Resp:	46708
Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.9	37.3
65	22.8	26.4	39.6
92	16.5	15.9	23.9

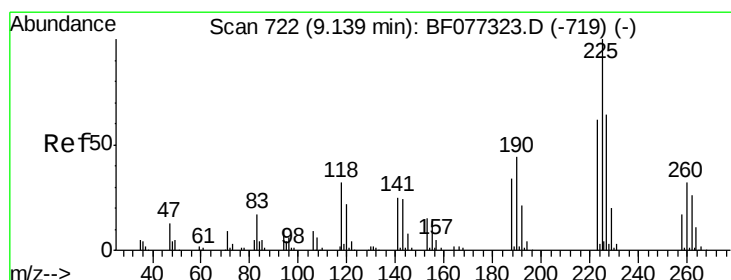
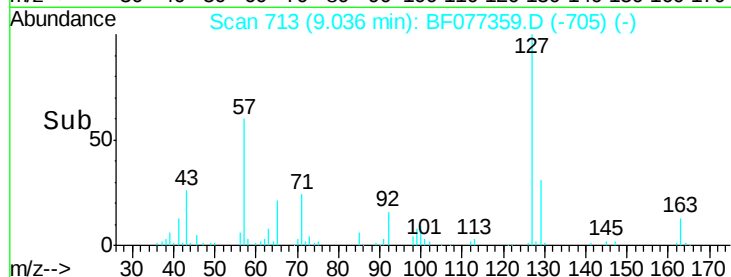
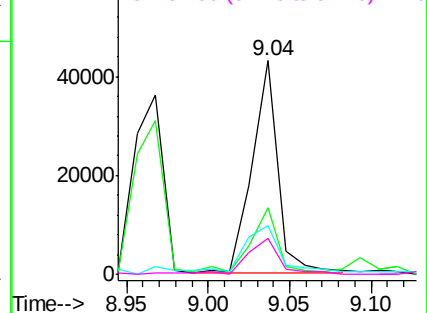


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 21.84 ng

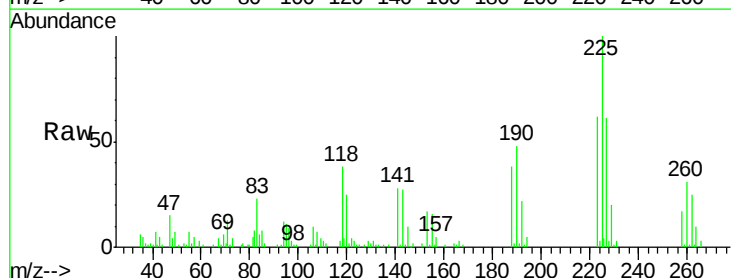
RT: 9.12 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

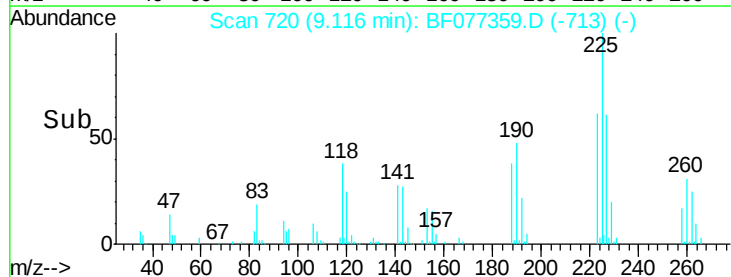
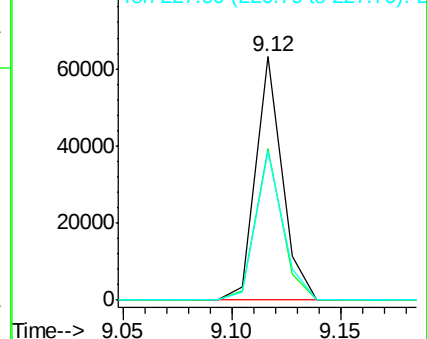
Tgt Ion:	225	Resp:	53510
Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.4	74.2
227	61.1	51.0	76.6

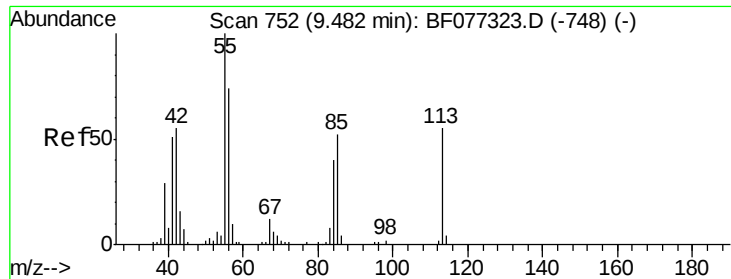


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

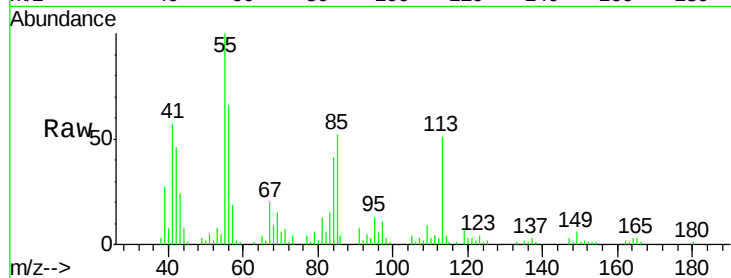




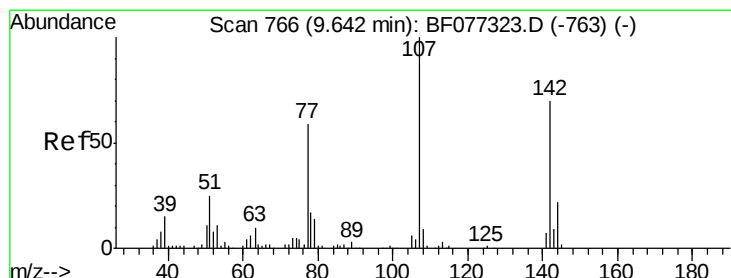
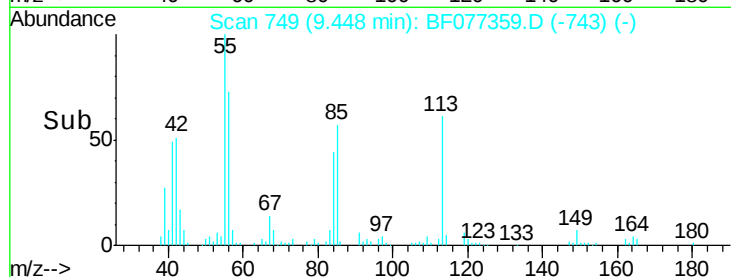
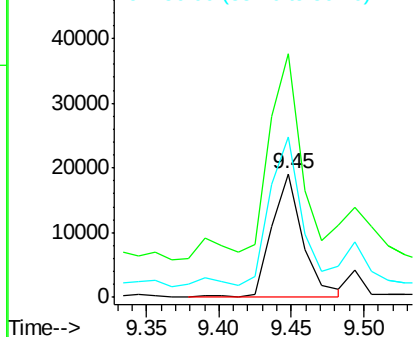
#35
 Caprolactam
 Concen: 26.43 ng
 RT: 9.45 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Tgt Ion:113 Resp: 28709
 Ion Ratio Lower Upper
 113 100
 55 196.5 163.0 203.0
 56 129.8 115.6 155.6

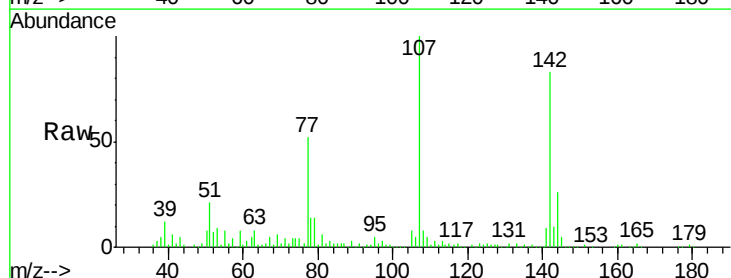


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

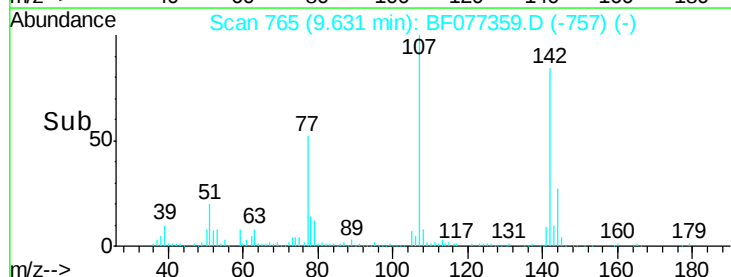
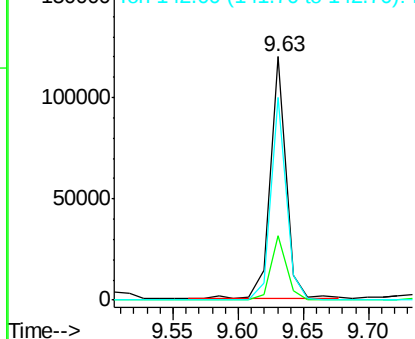


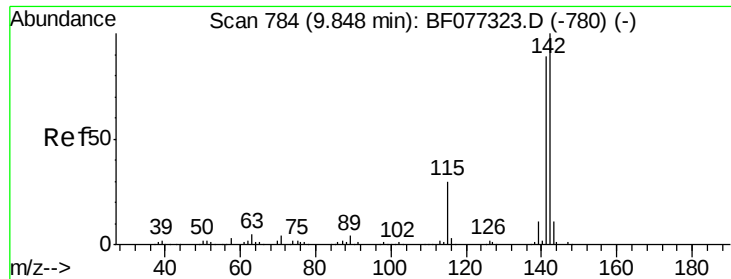
#36
 4-Chloro-3-methylphenol
 Concen: 26.39 ng
 RT: 9.63 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:107 Resp: 102511
 Ion Ratio Lower Upper
 107 100
 144 26.5 17.8 26.6
 142 83.2 55.7 83.5



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

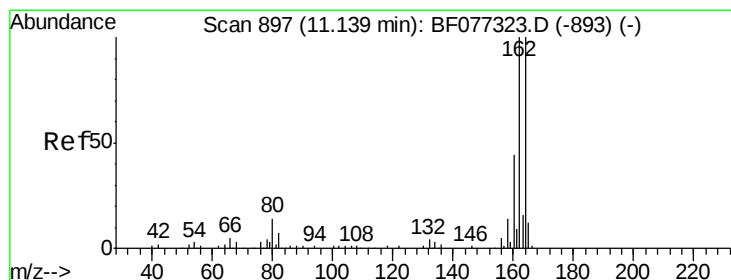
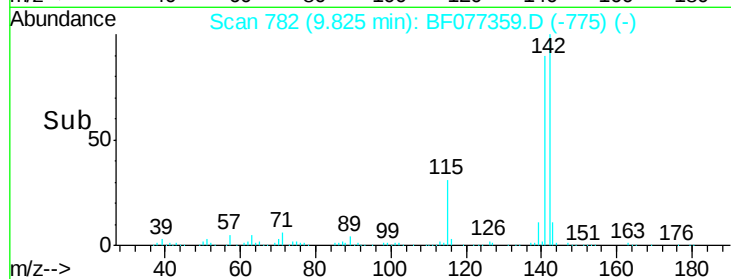
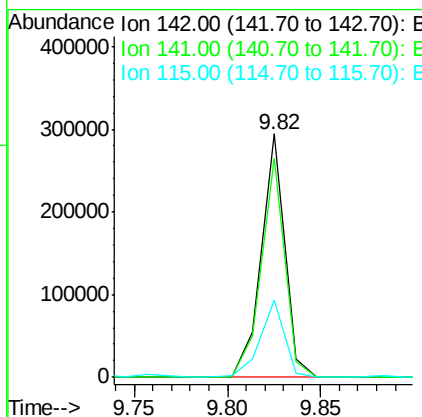
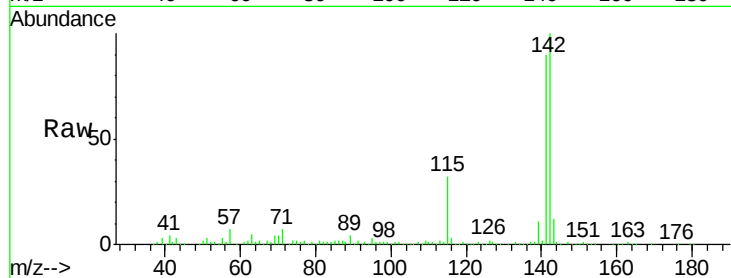




#37
2-Methylnaphthalene
Concen: 25.61 ng
RT: 9.82 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

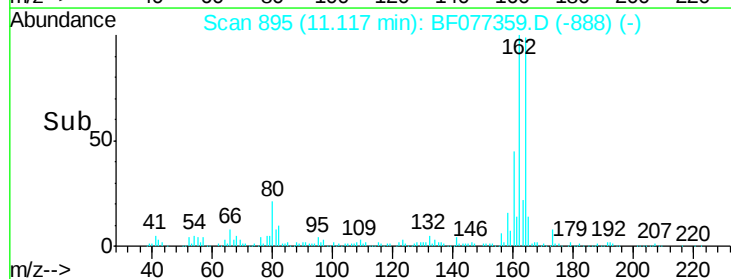
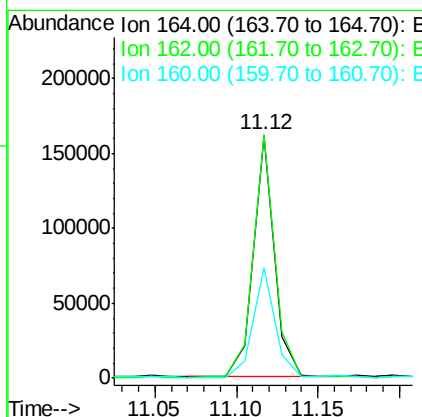
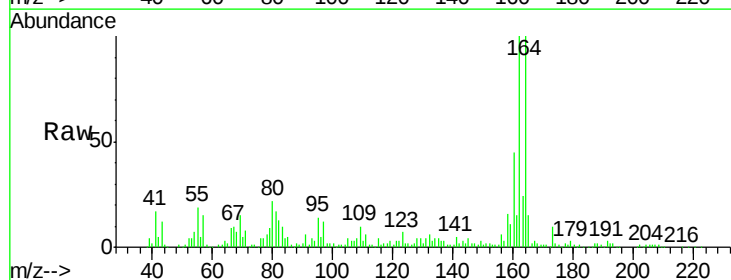
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

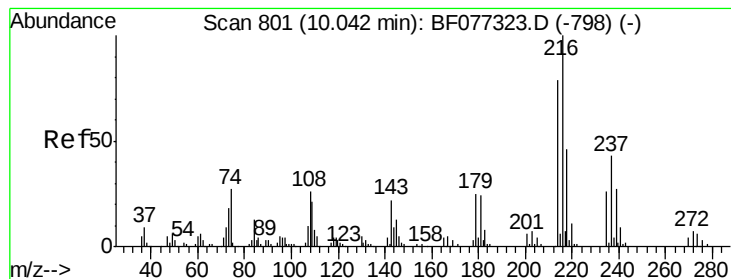
Tgt Ion:142 Resp: 255376
Ion Ratio Lower Upper
142 100
141 90.0 71.2 106.8
115 31.9 23.8 35.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion:164 Resp: 144089
Ion Ratio Lower Upper
164 100
162 100.4 80.4 120.6
160 45.5 35.3 52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 24.01 ng

RT: 10.03 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

Tgt Ion:216 Resp: 99914

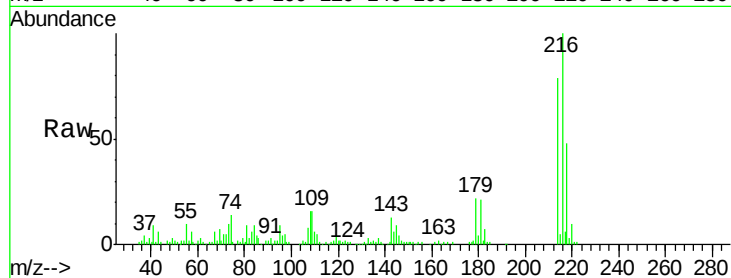
Ion Ratio Lower Upper

216 100

214 78.4 62.5 93.7

179 25.4 17.6 26.4

108 18.5 16.6 25.0

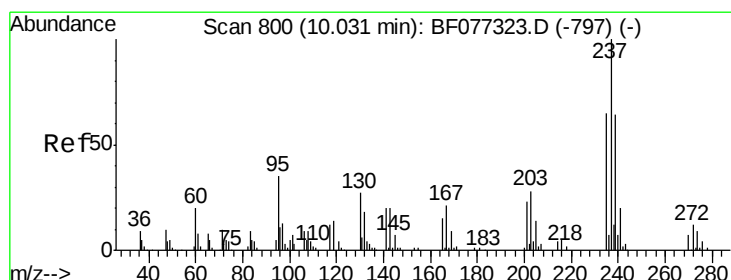
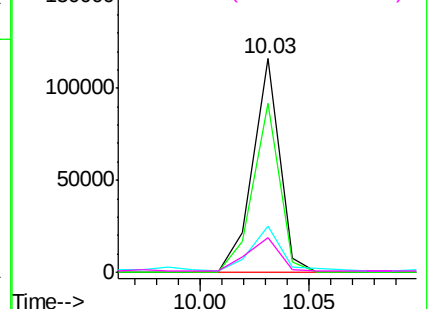
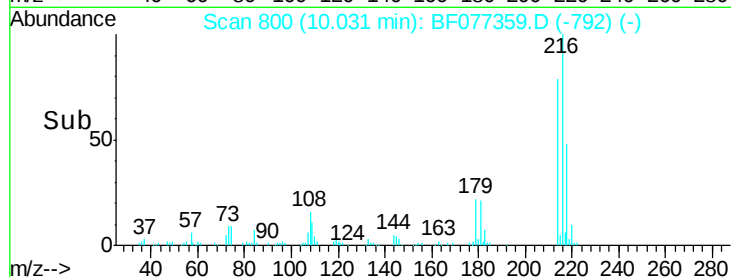


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 3.47 ng

RT: 10.02 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

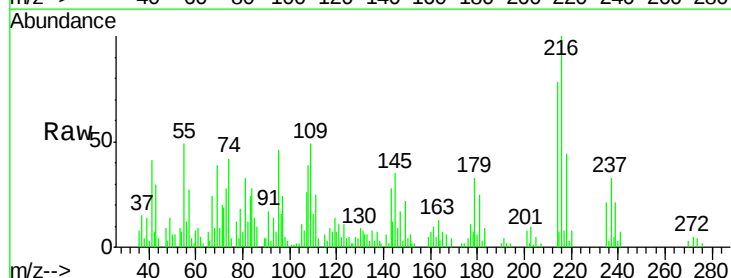
Tgt Ion:237 Resp: 7186

Ion Ratio Lower Upper

237 100

235 62.4 44.5 84.5

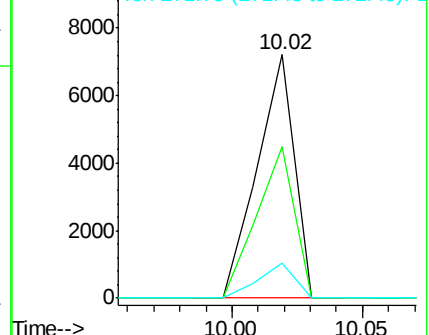
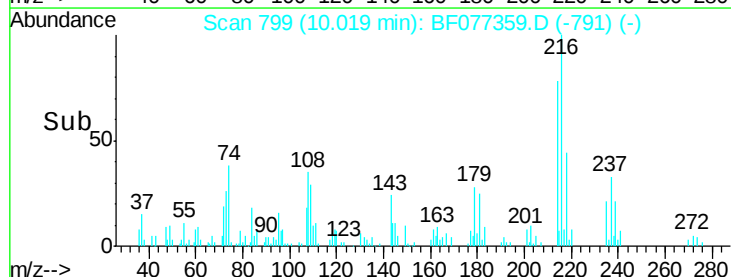
272 14.5 0.0 32.2

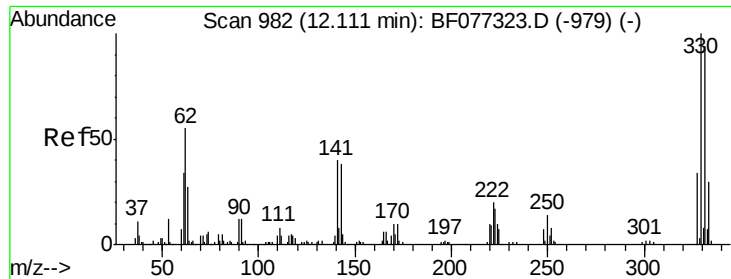


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

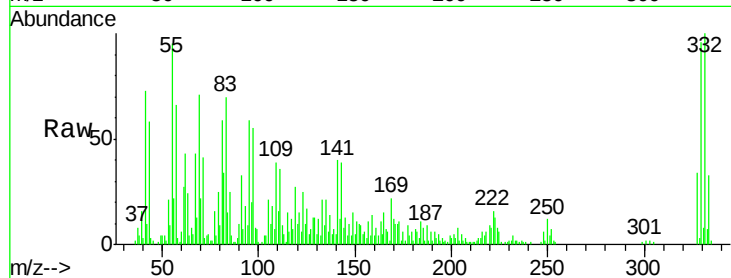




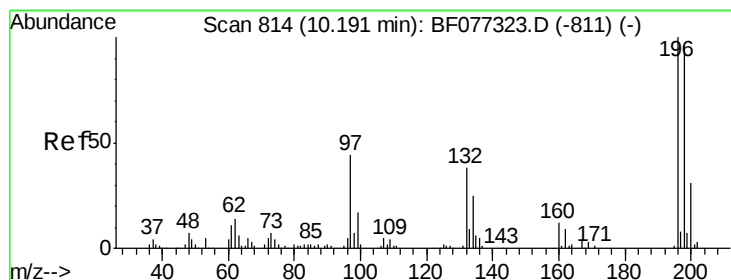
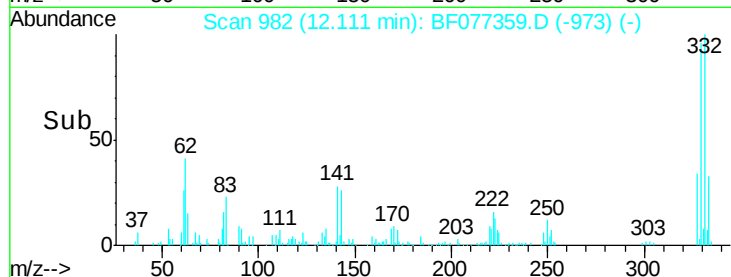
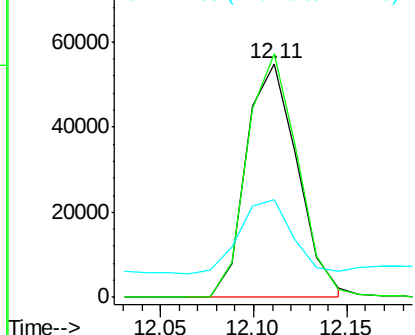
#41
 2,4,6-Tribromophenol
 Concen: 78.96 ng
 RT: 12.11 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Tgt Ion:330 Resp: 105302
 Ion Ratio Lower Upper
 330 100
 332 102.6 76.1 114.1
 141 33.2 28.5 42.7

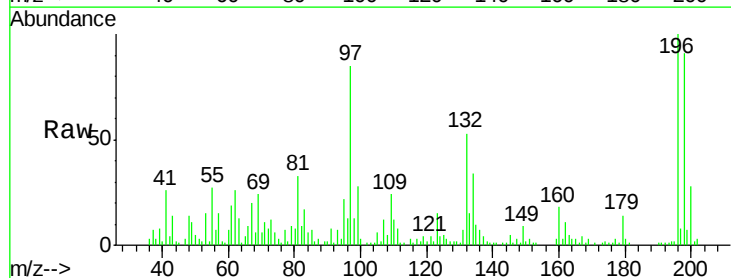


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

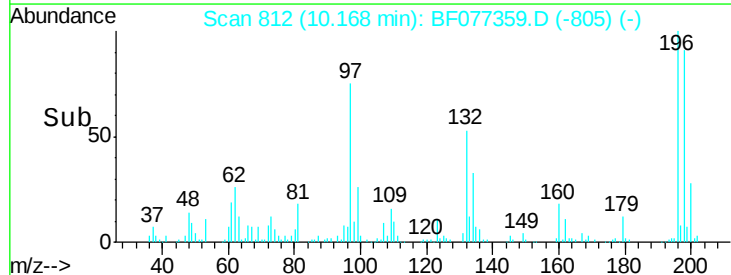
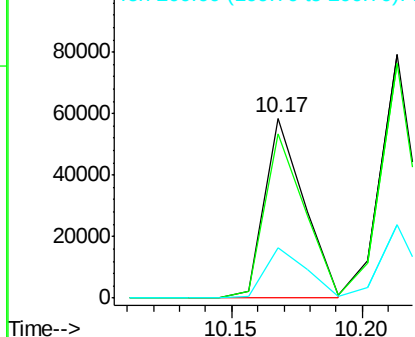


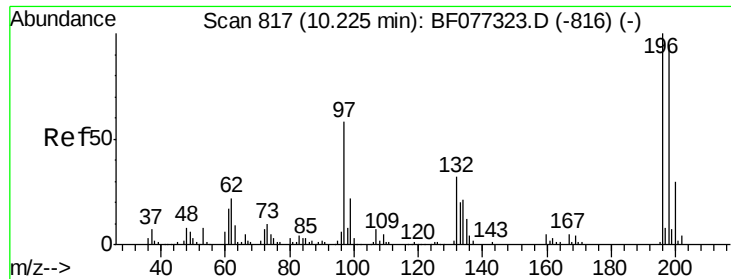
#42
 2,4,6-Trichlorophenol
 Concen: 26.49 ng
 RT: 10.17 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:196 Resp: 61757
 Ion Ratio Lower Upper
 196 100
 198 91.5 76.7 115.1
 200 28.2 24.7 37.1



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

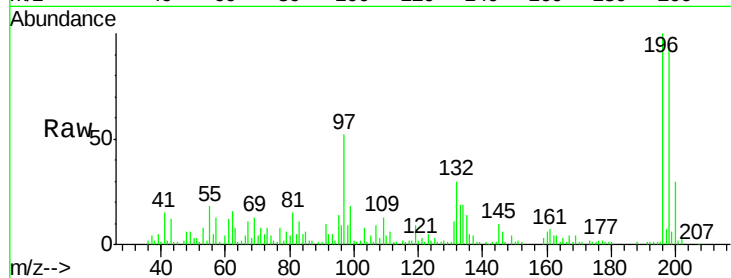




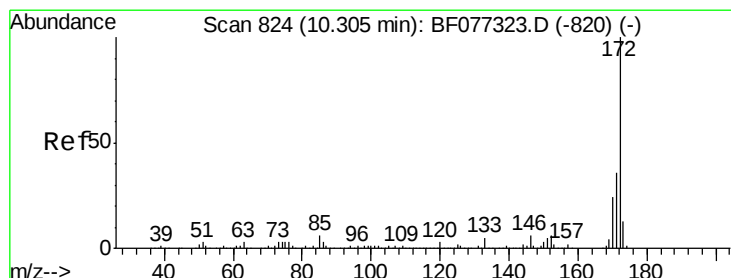
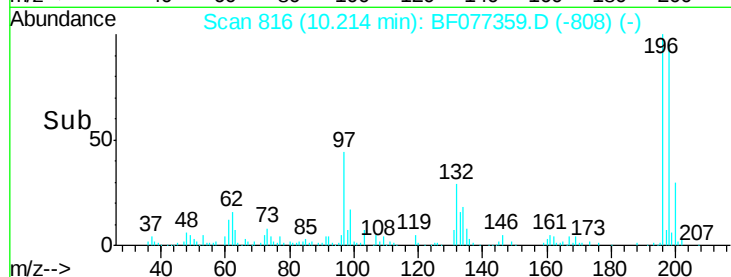
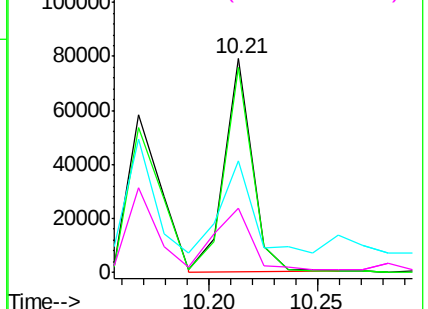
#43
 2,4,5-Trichlorophenol
 Concen: 27.74 ng
 RT: 10.21 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

Tgt Ion:196 Resp: 69142
 Ion Ratio Lower Upper
 196 100
 198 96.1 75.1 112.7
 97 52.0 48.8 73.2
 132 30.0 26.2 39.4

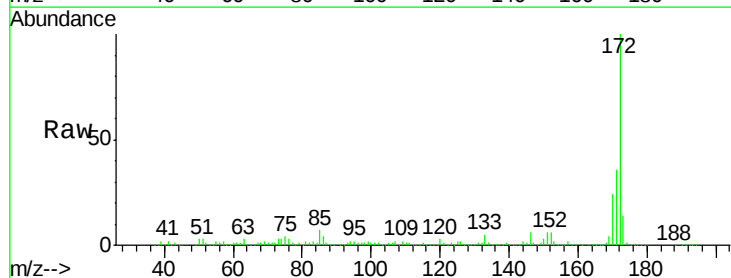


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

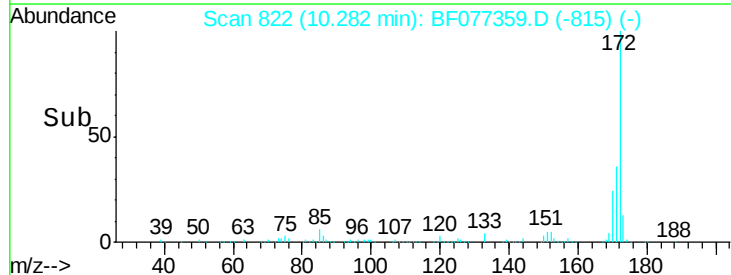
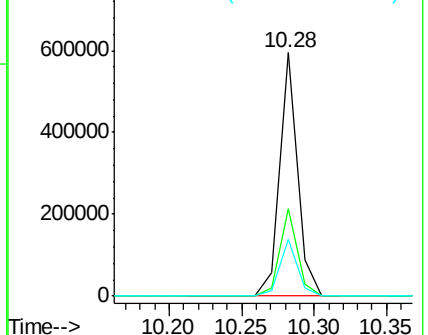


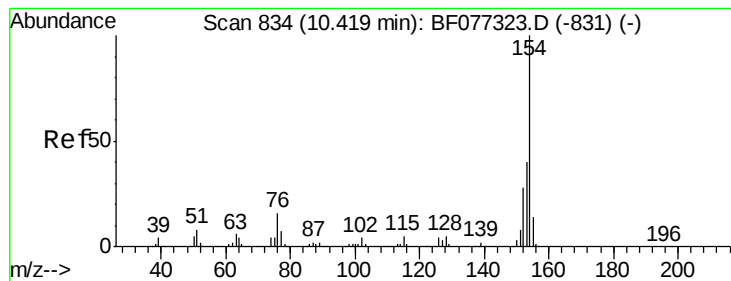
#44
 2-Fluorobiphenyl
 Concen: 53.21 ng
 RT: 10.28 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:172 Resp: 508574
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.6 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 25.62 ng

RT: 10.41 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

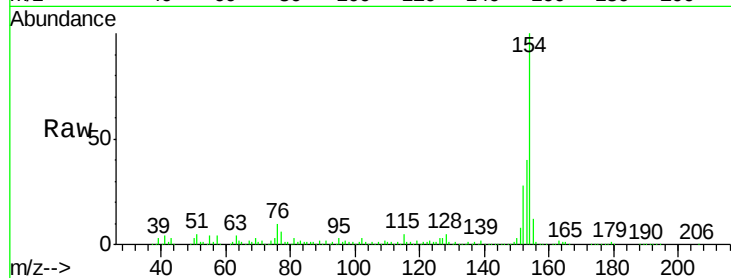
Tgt Ion:154 Resp: 294395

Ion Ratio Lower Upper

154 100

153 39.9 20.5 60.5

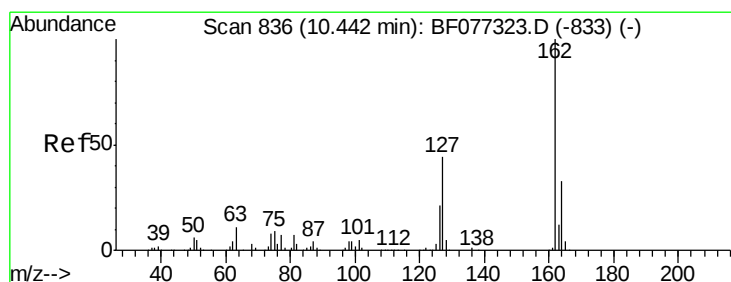
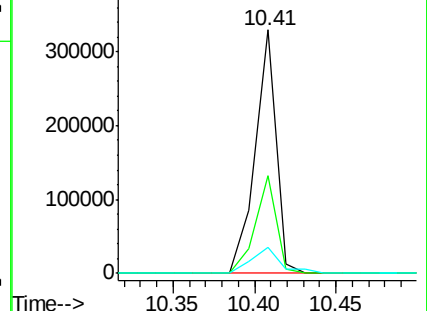
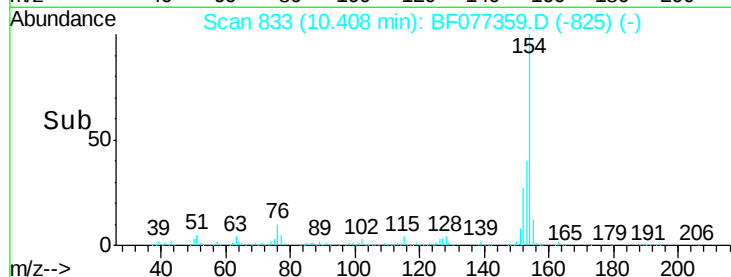
76 10.5 0.0 35.9



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



#46

2-Chloronaphthalene

Concen: 25.53 ng

RT: 10.43 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

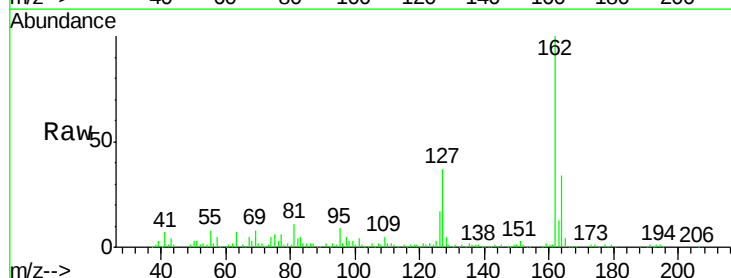
Tgt Ion:162 Resp: 217930

Ion Ratio Lower Upper

162 100

127 37.2 35.4 53.0

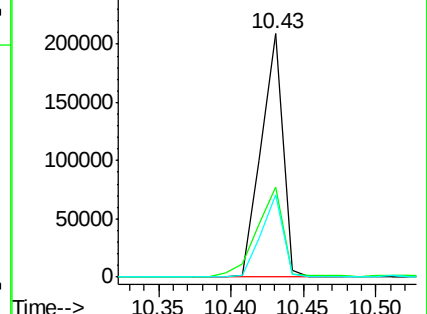
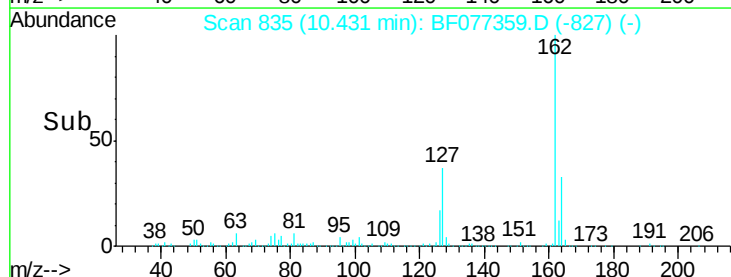
164 33.7 26.2 39.2

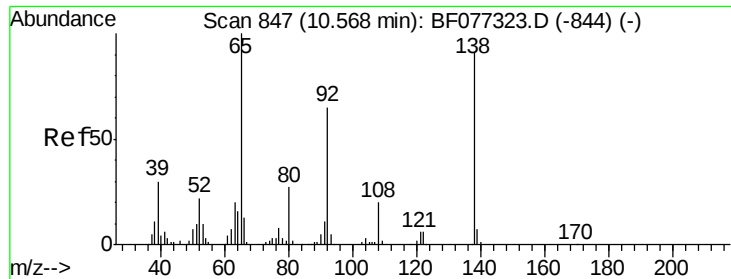


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

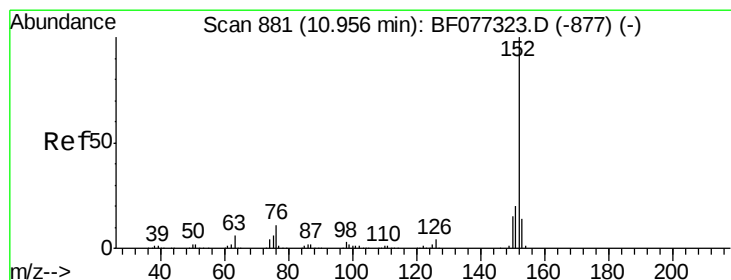
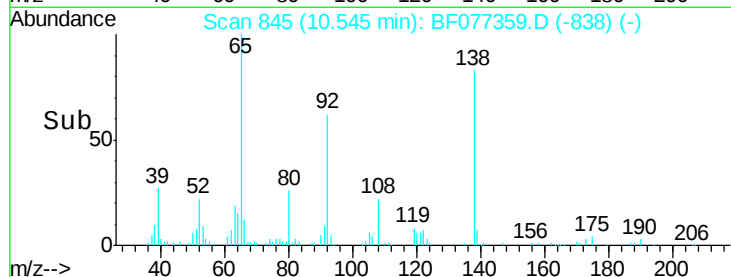
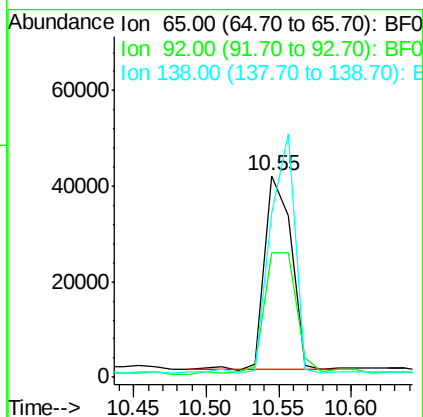
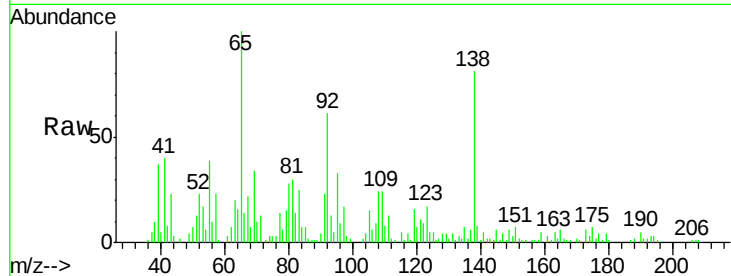




#47
2-Nitroaniline
Concen: 29.25 ng
RT: 10.55 min Scan# 845
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

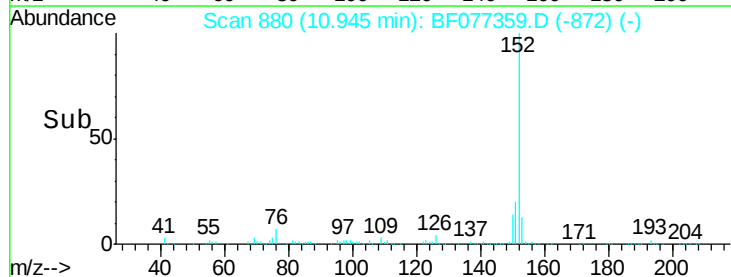
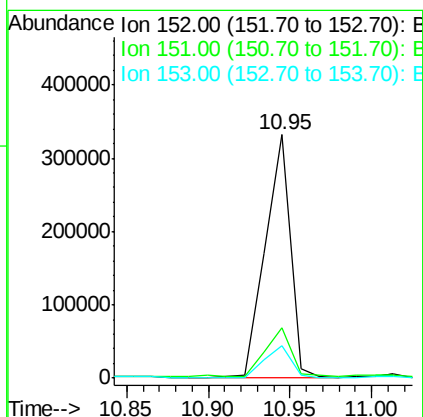
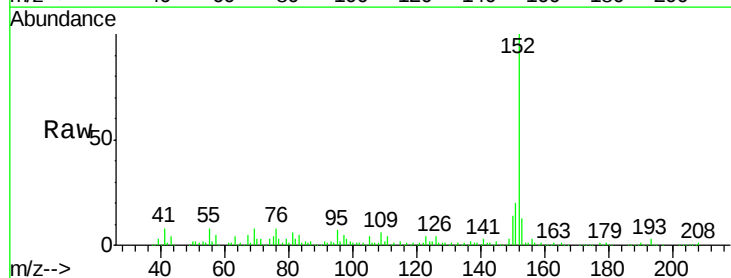
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

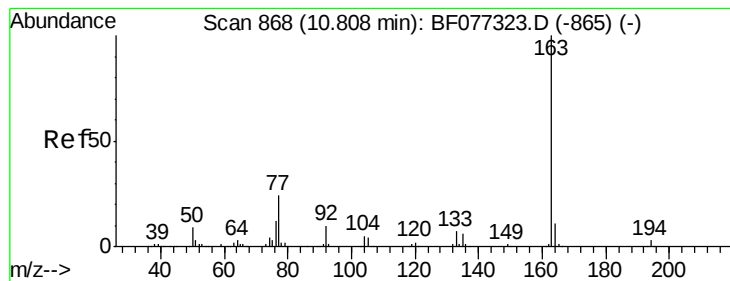
Tgt Ion: 65 Resp: 52361
Ion Ratio Lower Upper
65 100
92 61.4 52.3 78.5
138 81.1 73.2 109.8



#48
Acenaphthylene
Concen: 25.24 ng
RT: 10.95 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion: 152 Resp: 355195
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.3 10.9 16.3





#49

Dimethylphthalate

Concen: 29.82 ng

RT: 10.79 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

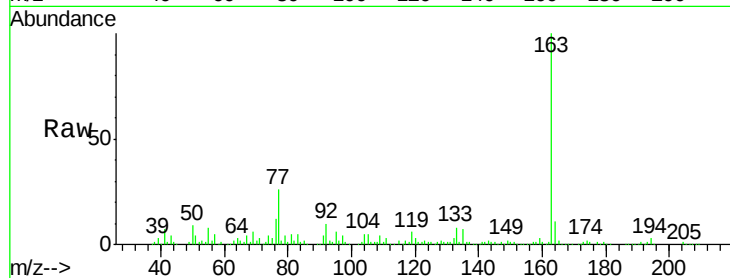
Tgt Ion:163 Resp: 295660

Ion Ratio Lower Upper

163 100

194 3.3 2.6 3.8

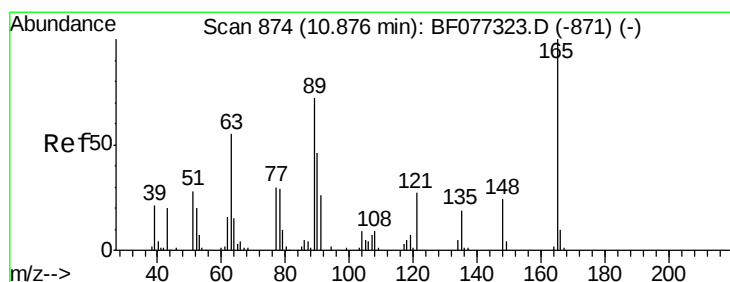
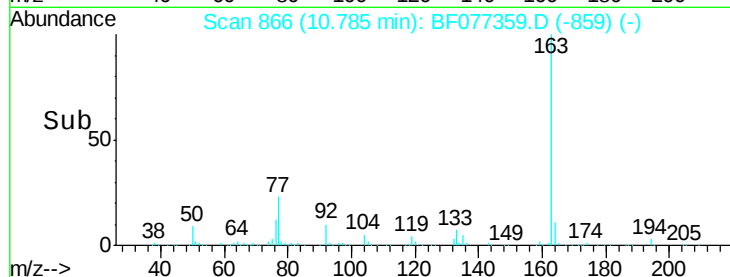
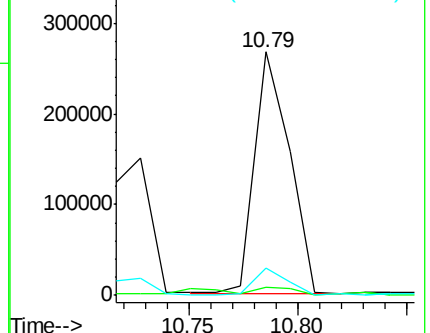
164 11.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 29.96 ng

RT: 10.87 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

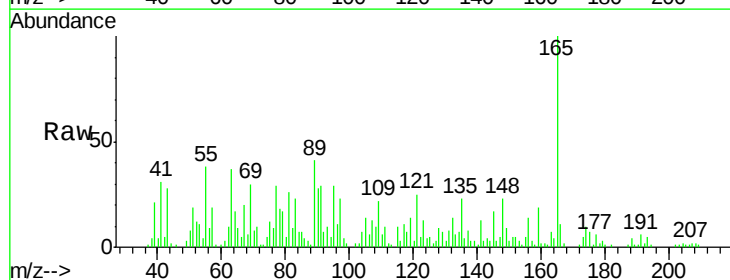
Tgt Ion:165 Resp: 53635

Ion Ratio Lower Upper

165 100

63 36.5 57.2 85.8#

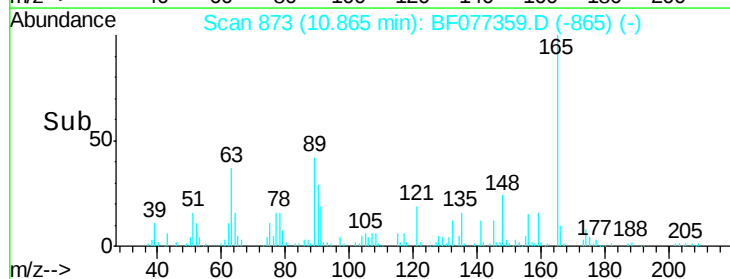
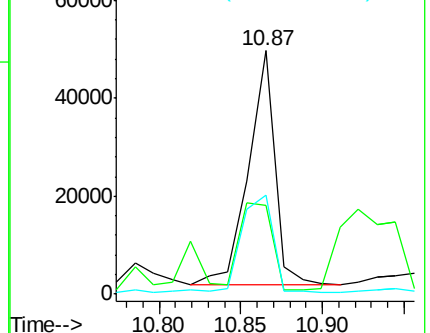
89 40.8 57.8 86.6#

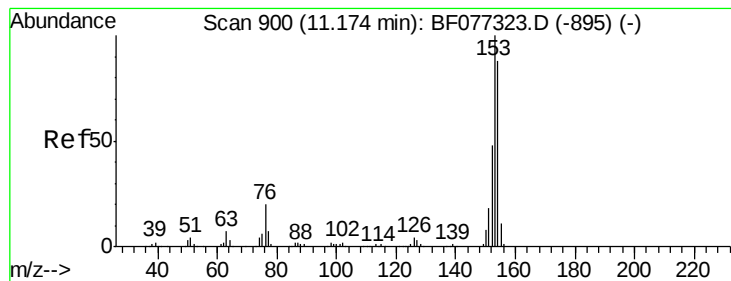


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 24.43 ng

RT: 11.16 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

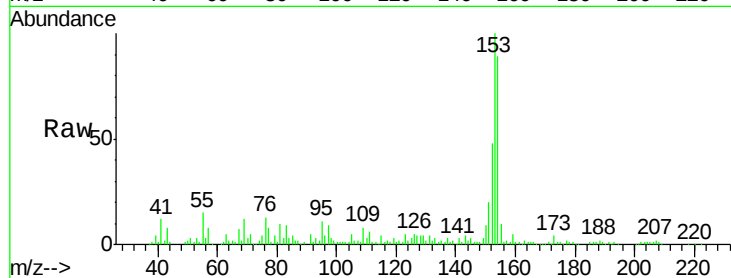
Tgt Ion:154 Resp: 204083

Ion Ratio Lower Upper

154 100

153 112.1 90.9 136.3

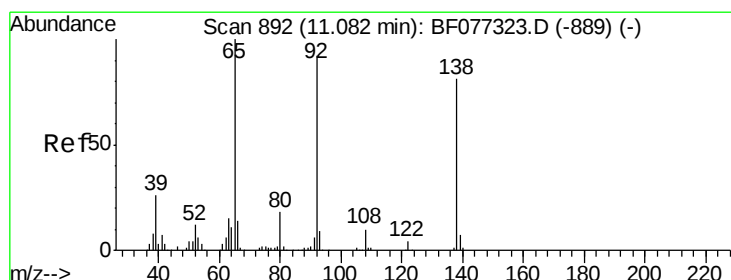
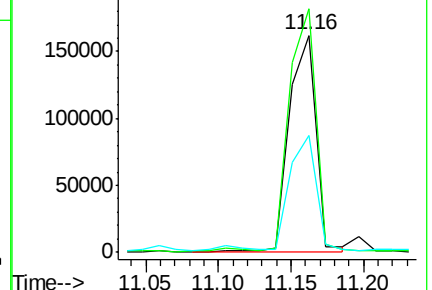
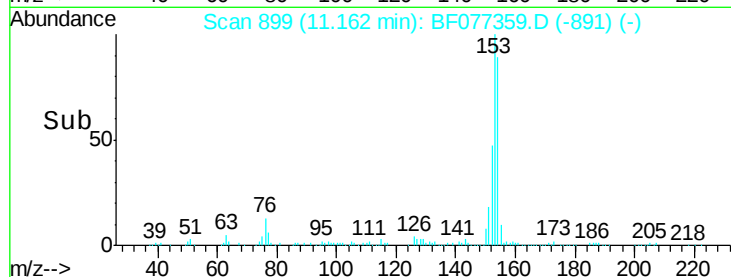
152 53.5 43.5 65.3



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



#52

3-Nitroaniline

Concen: 20.01 ng

RT: 11.06 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

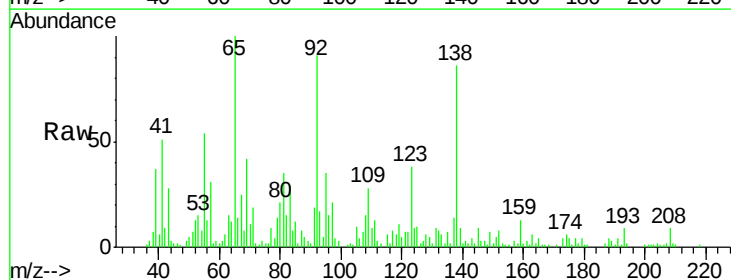
Tgt Ion:138 Resp: 42928

Ion Ratio Lower Upper

138 100

108 16.9 10.2 15.2#

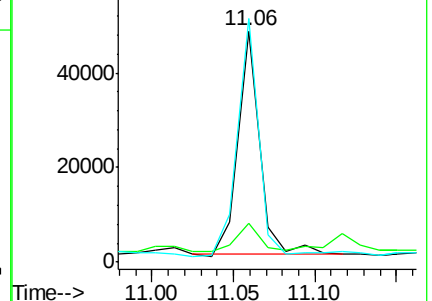
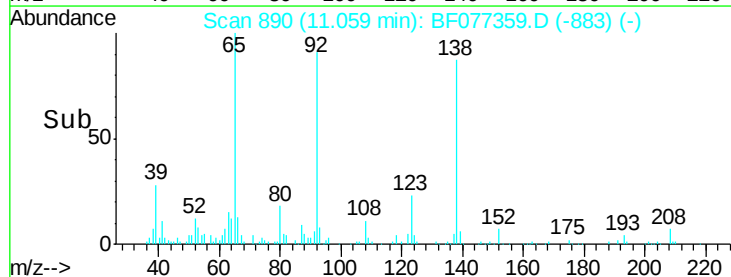
92 105.5 90.9 136.3

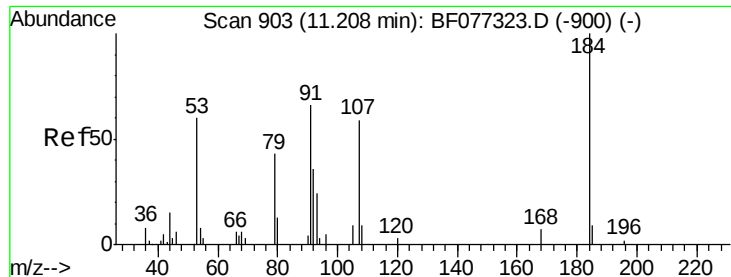


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

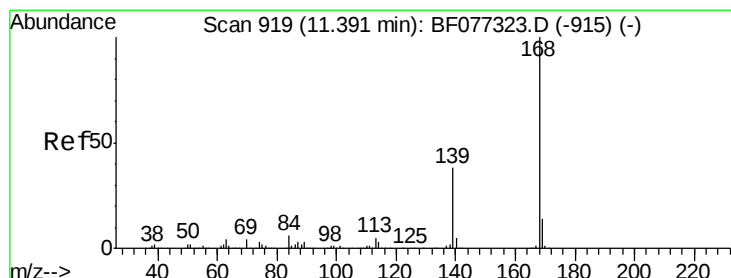
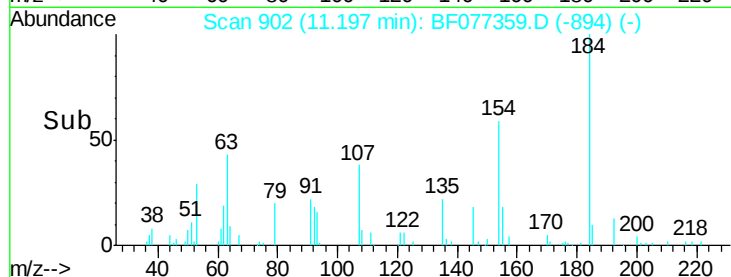
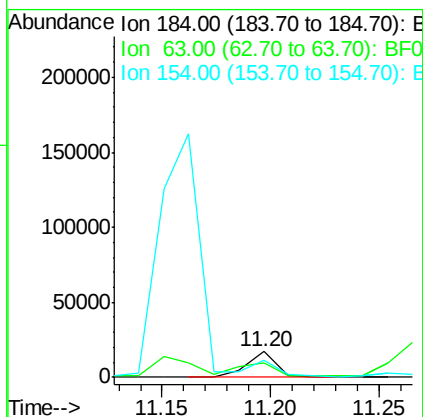
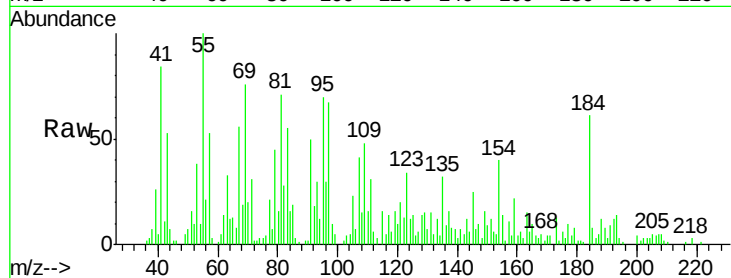




#53
2,4-Dinitrophenol
Concen: 58.94 ng
RT: 11.20 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

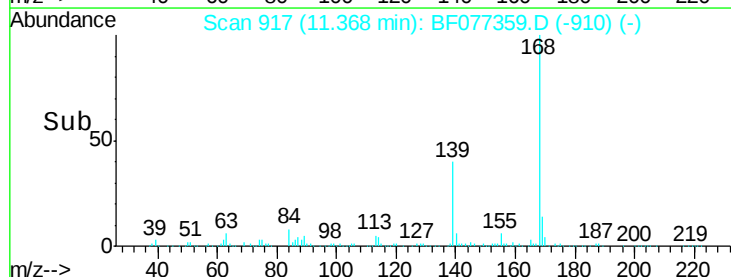
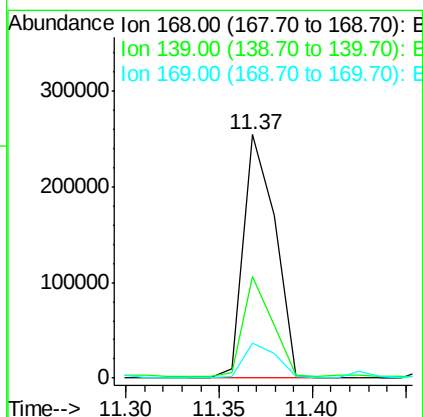
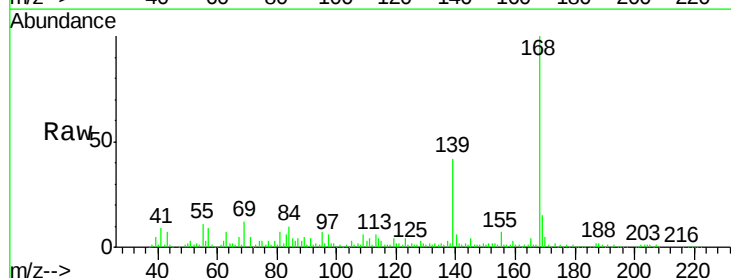
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

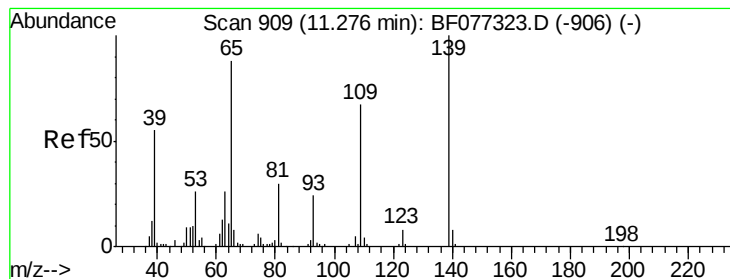
Tgt Ion:184 Resp: 16088
Ion Ratio Lower Upper
184 100
63 54.4 69.3 103.9#
154 66.0 56.3 84.5



#54
Dibenzofuran
Concen: 23.56 ng
RT: 11.37 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion:168 Resp: 298486
Ion Ratio Lower Upper
168 100
139 41.5 30.6 45.8
169 14.6 11.0 16.4





#55

4-Nitrophenol

Concen: 60.61 ng

RT: 11.27 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

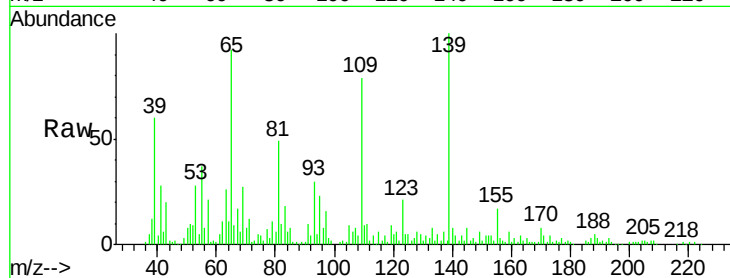
Tgt Ion:139 Resp: 89875

Ion Ratio Lower Upper

139 100

109 78.8 47.5 87.5

65 91.6 67.8 107.8

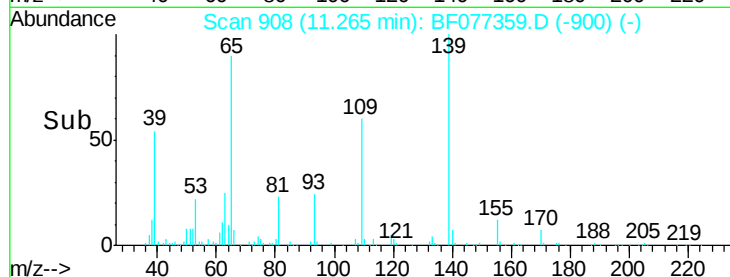


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time--> 11.20 11.25 11.30

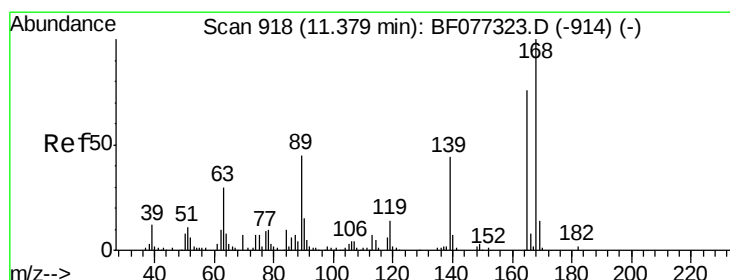


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time--> 11.20 11.25 11.30



#56

2,4-Dinitrotoluene

Concen: 30.08 ng

RT: 11.36 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Tgt Ion:165 Resp: 66333

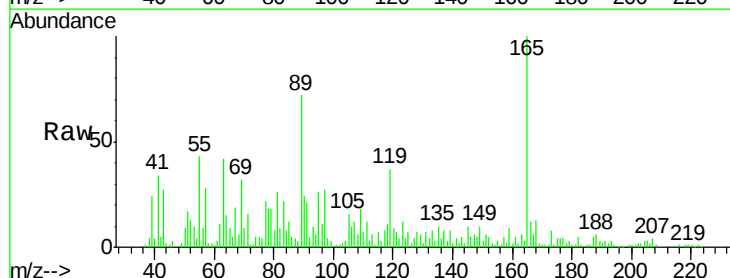
Ion Ratio Lower Upper

165 100

63 41.9 31.6 47.4

89 72.2 48.1 72.1#

182 5.1 1.9 2.9#



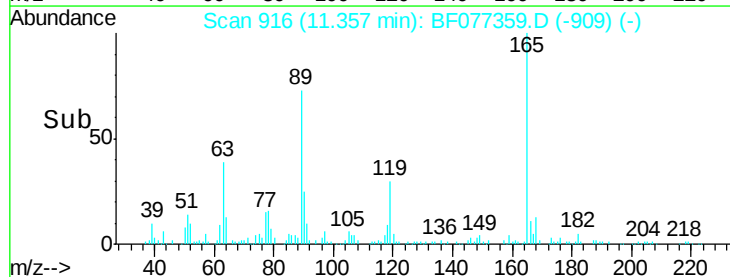
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

Time--> 11.30 11.40



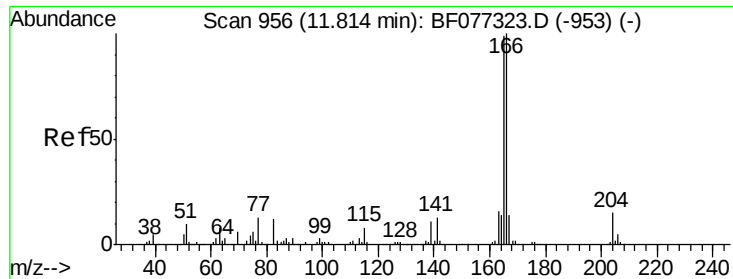
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

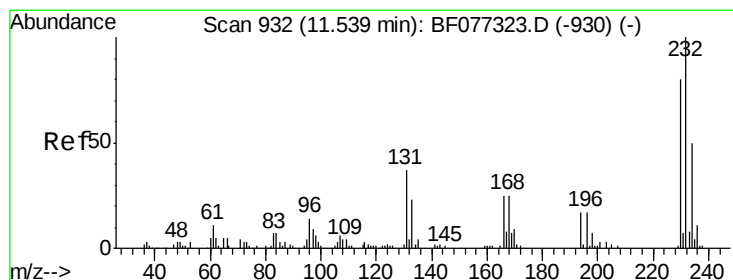
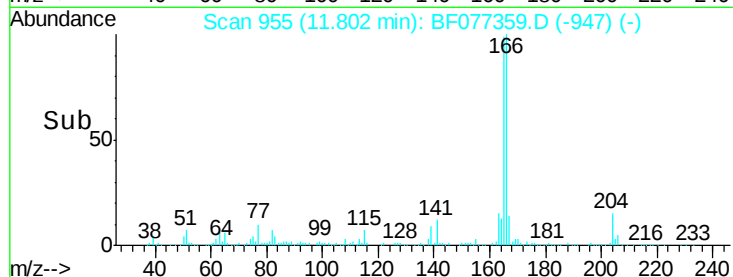
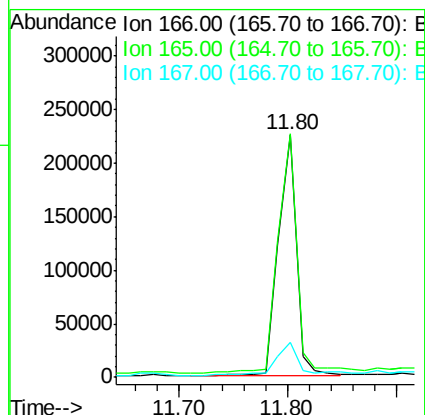
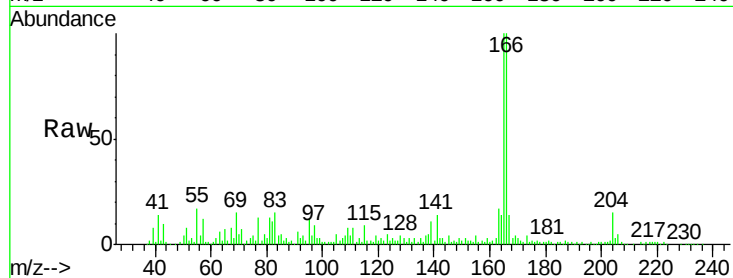
Time--> 11.30 11.40



#57
Fluorene
 Concen: 26.39 ng
 RT: 11.80 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

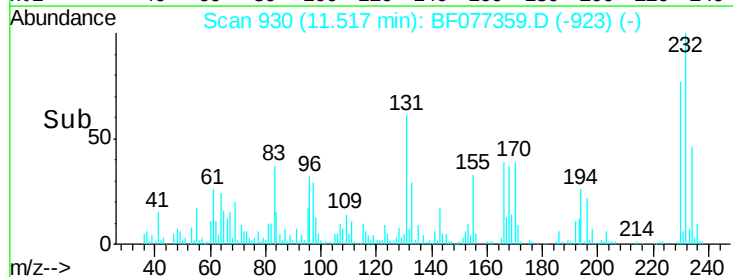
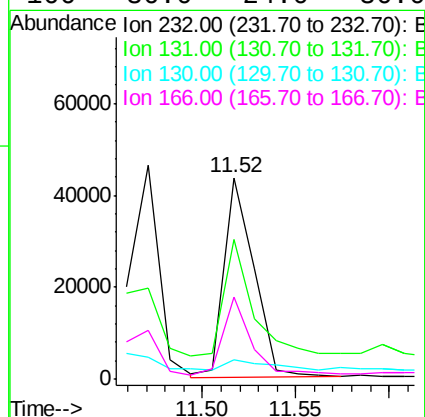
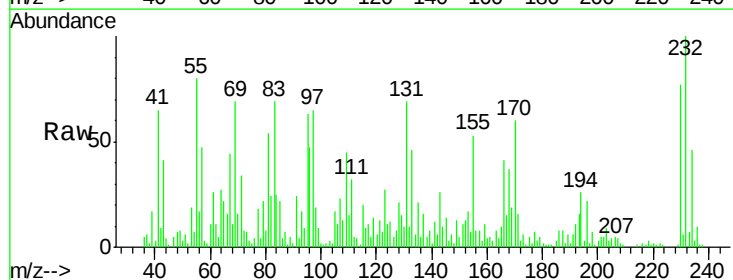
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

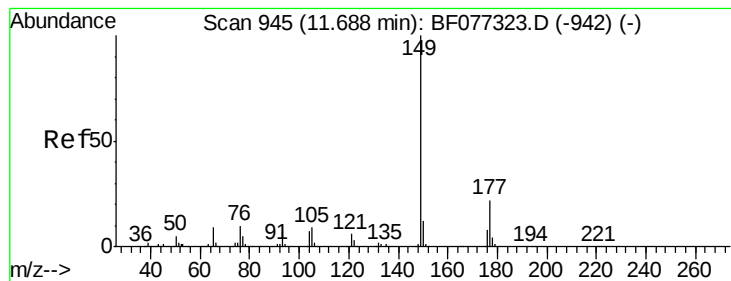
Tgt Ion:166 Resp: 262278
 Ion Ratio Lower Upper
 166 100
 165 100.4 79.2 118.8
 167 14.2 11.0 16.6



#58
2,3,4,6-Tetrachlorophenol
 Concen: 24.88 ng
 RT: 11.52 min Scan# 930
 Delta R.T. -0.02 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:232 Resp: 49122
 Ion Ratio Lower Upper
 232 100
 131 57.8 37.5 56.3#
 130 7.3 1.7 2.5#
 166 36.0 24.0 36.0





#59

Diethylphthalate

Concen: 24.67 ng

RT: 11.68 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

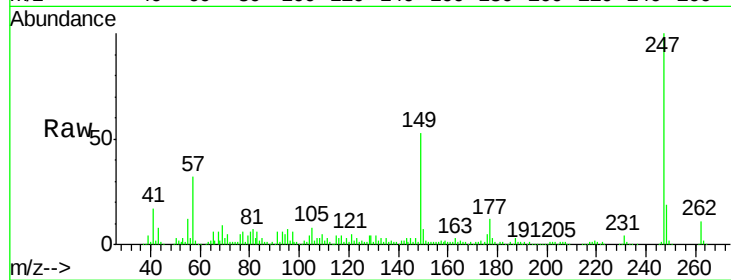
Tgt Ion:149 Resp: 254629

Ion Ratio Lower Upper

149 100

177 22.5 17.5 26.3

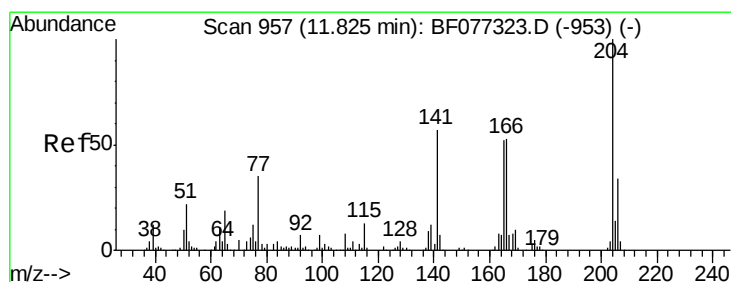
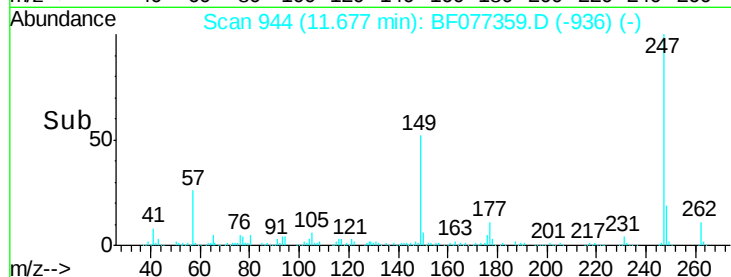
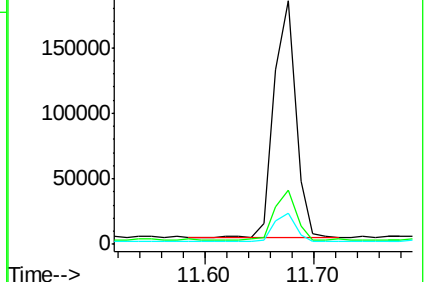
150 12.8 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 22.39 ng

RT: 11.81 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

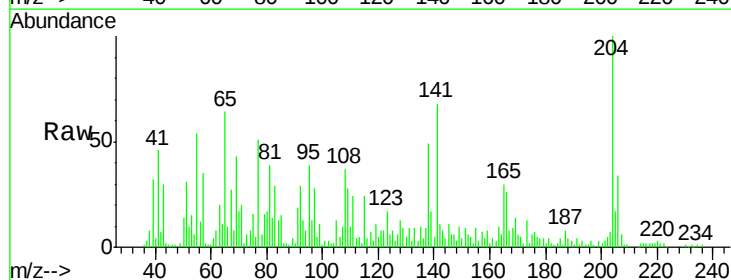
Tgt Ion:204 Resp: 108278

Ion Ratio Lower Upper

204 100

206 33.8 26.8 40.2

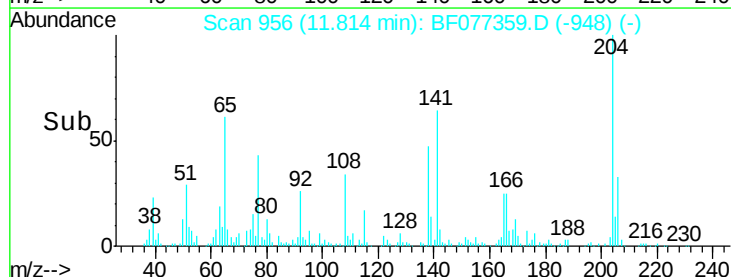
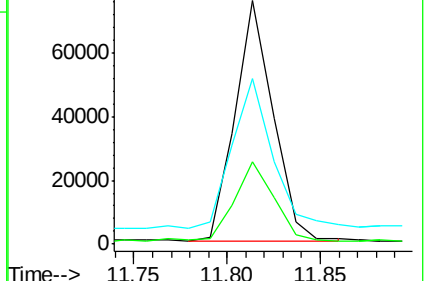
141 67.8 45.3 67.9

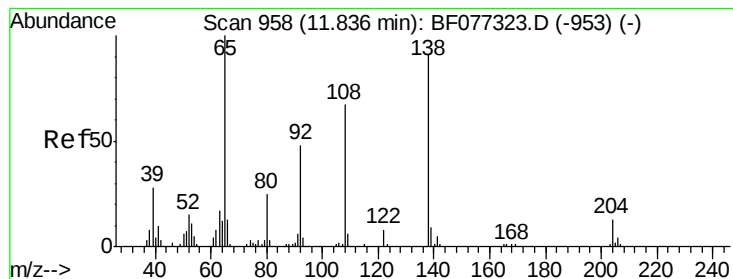


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 22.76 ng

RT: 11.81 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

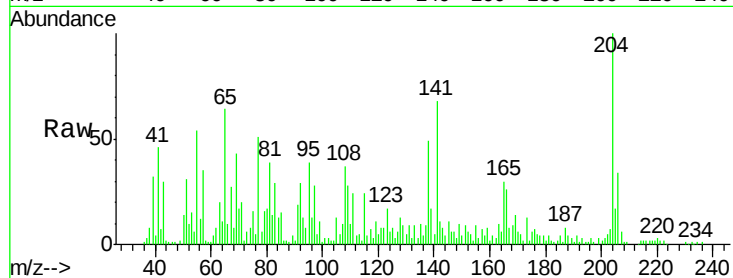
Tgt Ion:138 Resp: 46188

Ion Ratio Lower Upper

138 100

92 58.4 32.7 72.7

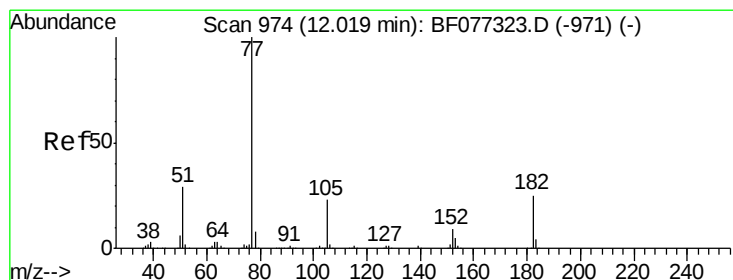
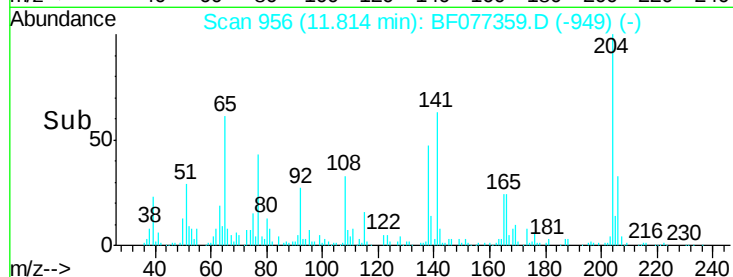
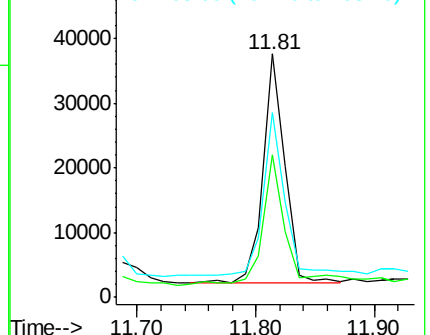
108 75.8 53.9 93.9



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



#62

Azobenzene

Concen: 27.52 ng

RT: 12.02 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Tgt Ion: 77 Resp: 281446

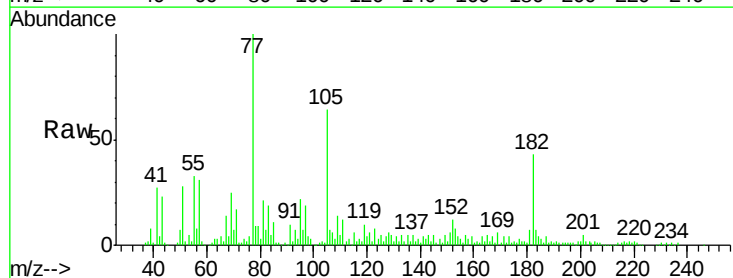
Ion Ratio Lower Upper

77 100

182 42.8 5.0 45.0

105 63.9 3.3 43.3#

51 28.4 9.1 49.1

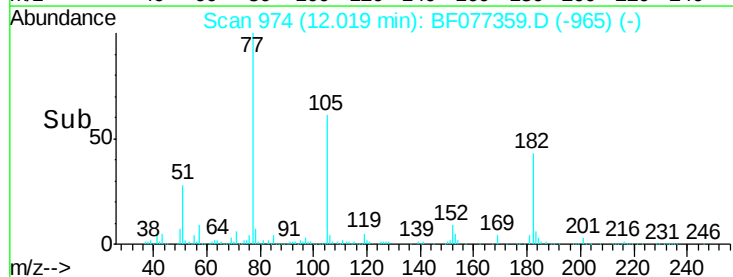
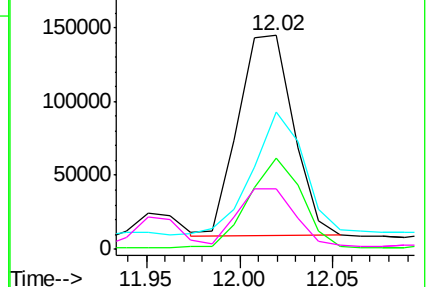


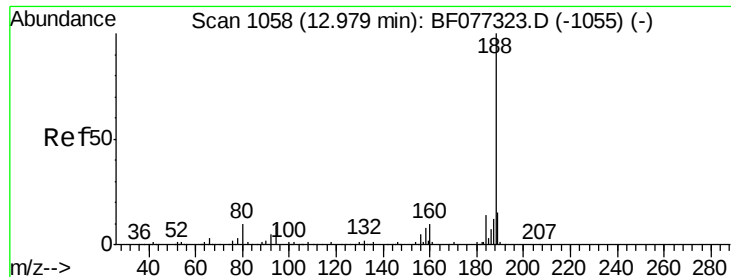
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

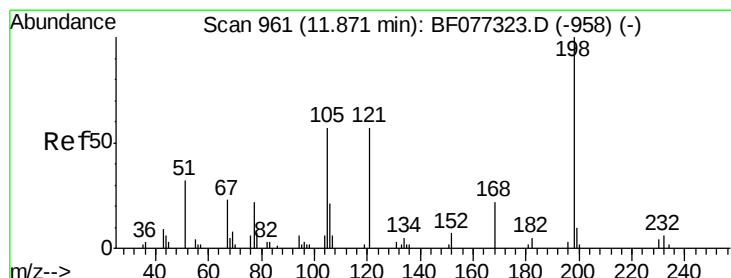
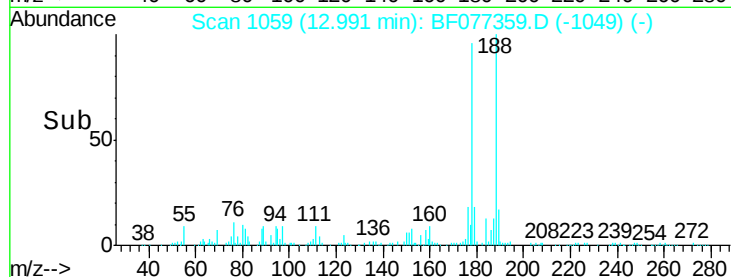
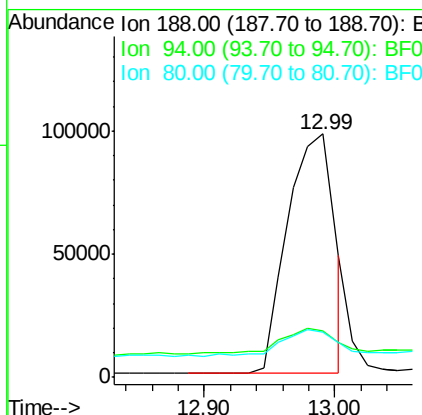
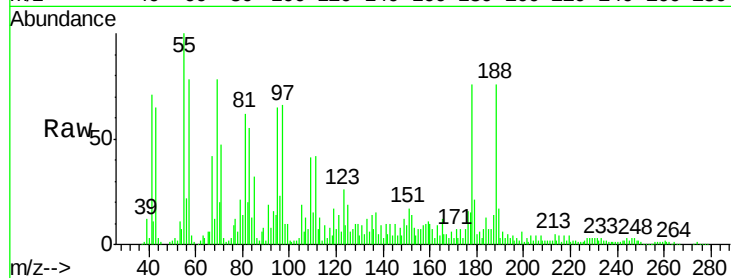




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.99 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

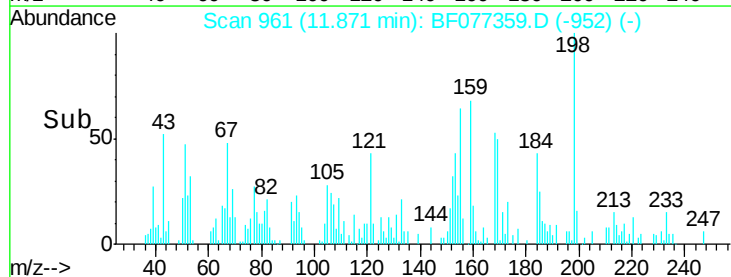
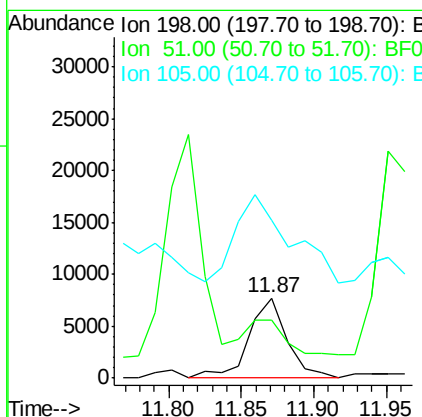
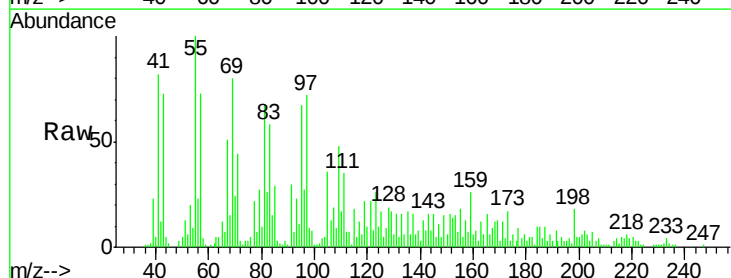
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

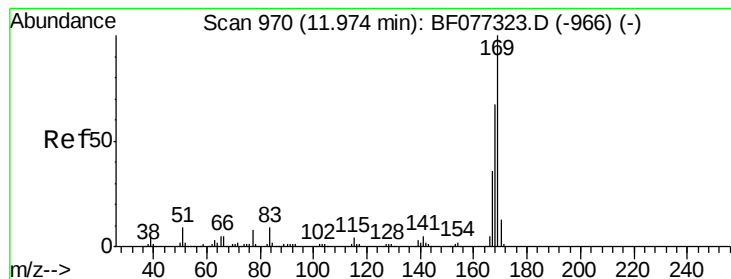
Tgt Ion:188 Resp: 242619
Ion Ratio Lower Upper
188 100
94 18.8 7.2 10.8#
80 18.5 7.8 11.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 34.24 ng
RT: 11.87 min Scan# 961
Delta R.T. 0.00 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion:198 Resp: 14152
Ion Ratio Lower Upper
198 100
51 73.2 54.6 94.6
105 196.6 45.4 85.4#





#65

n-Nitrosodiphenylamine

Concen: 36.40 ng

RT: 11.96 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

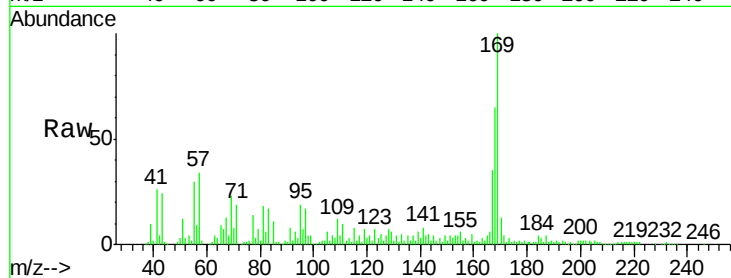
Tgt Ion:169 Resp: 288098

Ion Ratio Lower Upper

169 100

168 64.8 53.4 80.0

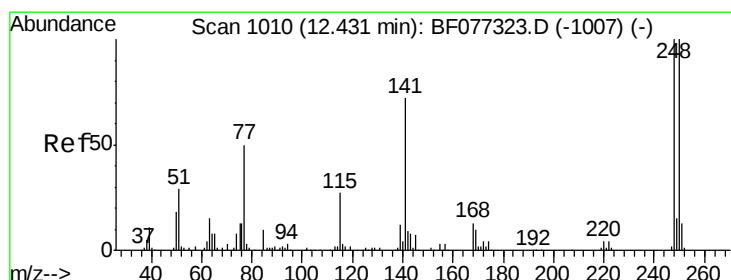
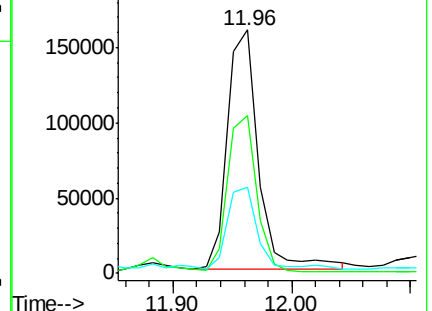
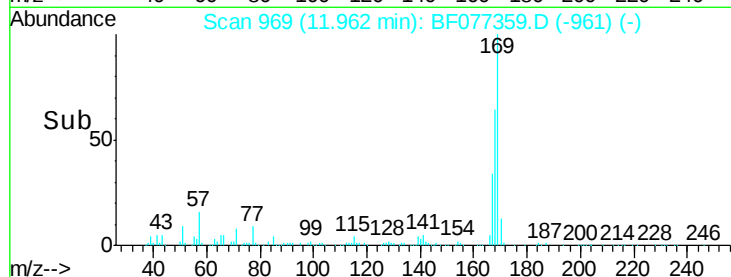
167 35.3 29.1 43.7



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: 24.31 ng

RT: 12.42 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

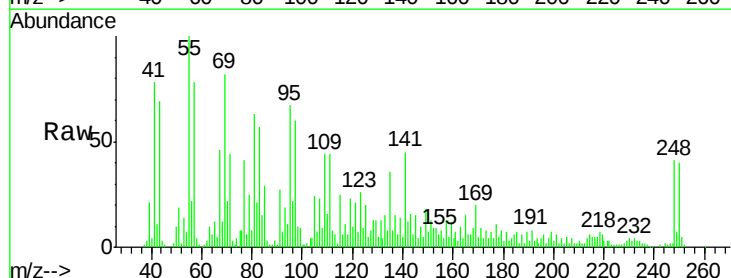
Tgt Ion:248 Resp: 65757

Ion Ratio Lower Upper

248 100

250 97.5 80.2 120.4

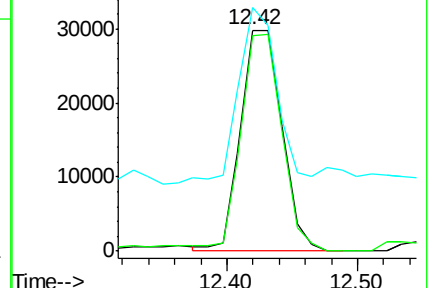
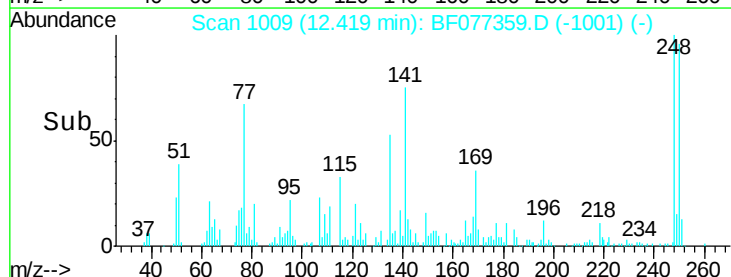
141 110.3 57.5 86.3#

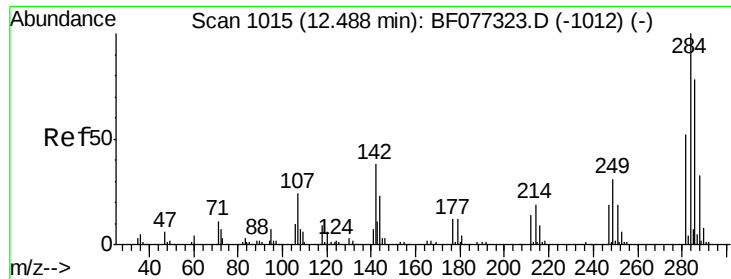


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 23.85 ng

RT: 12.49 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

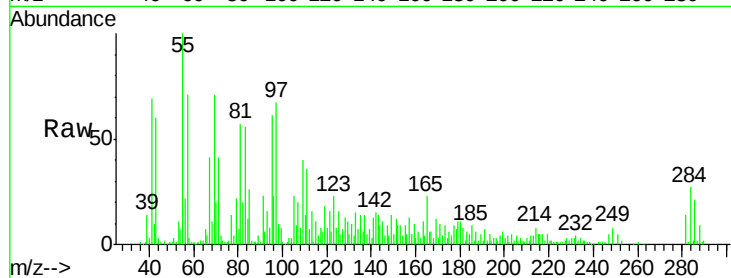
Tgt Ion:284 Resp: 73195

Ion Ratio Lower Upper

284 100

142 56.6 30.8 46.2#

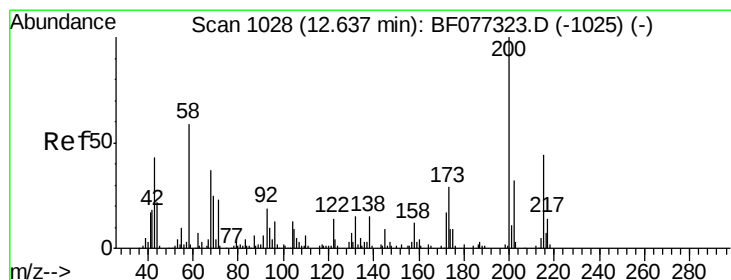
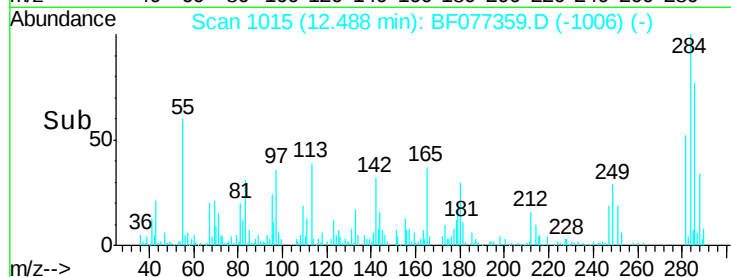
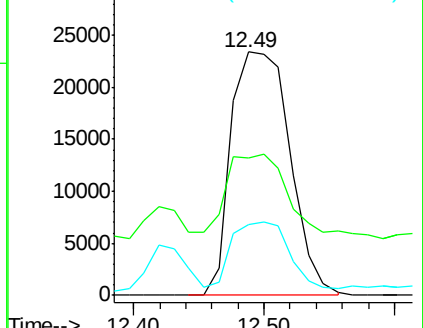
249 29.3 24.6 36.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 24.78 ng

RT: 12.64 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

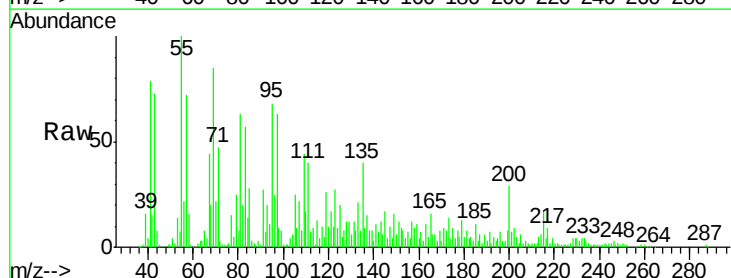
Tgt Ion:200 Resp: 58620

Ion Ratio Lower Upper

200 100

173 47.4 9.2 49.2

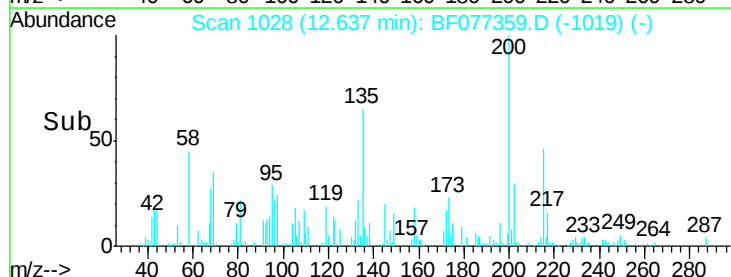
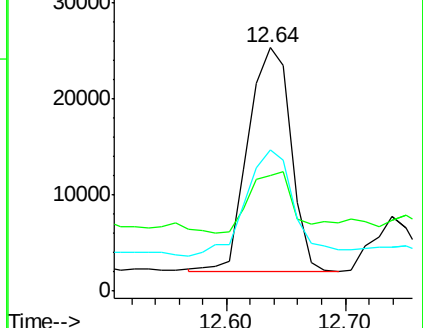
215 58.2 23.8 63.8

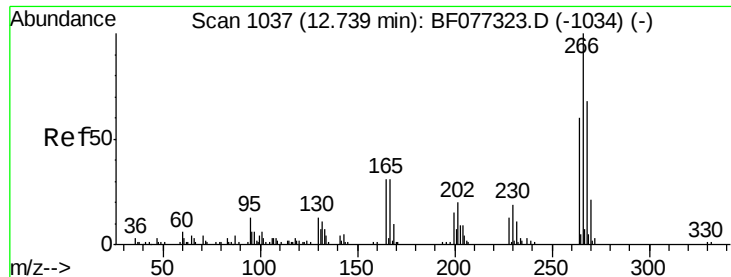


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

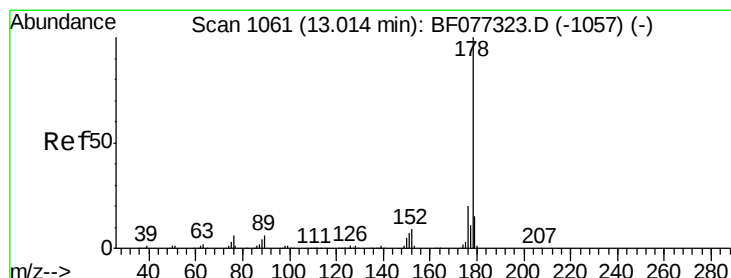
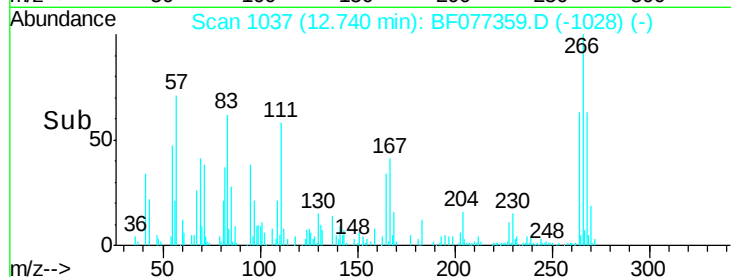
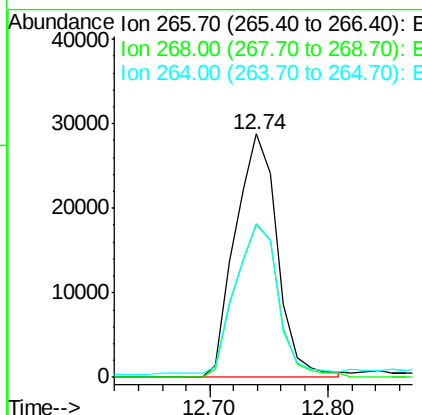
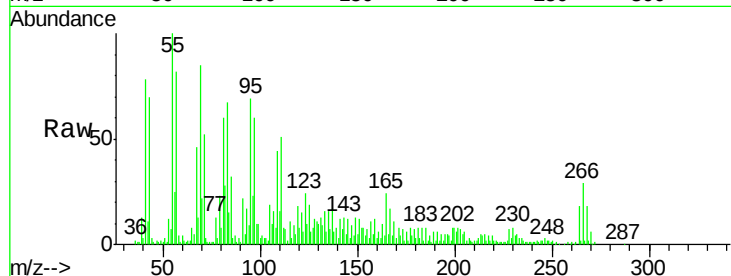




#69
 Pentachlorophenol
 Concen: 65.22 ng
 RT: 12.74 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

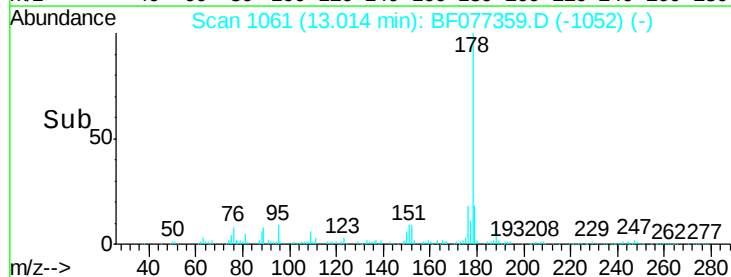
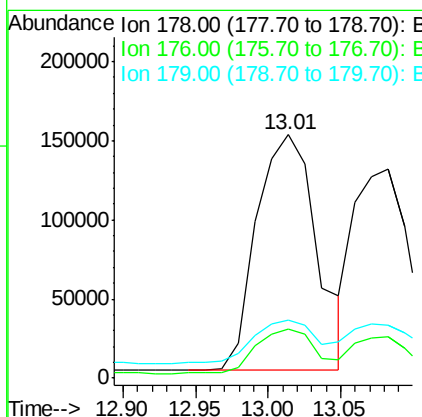
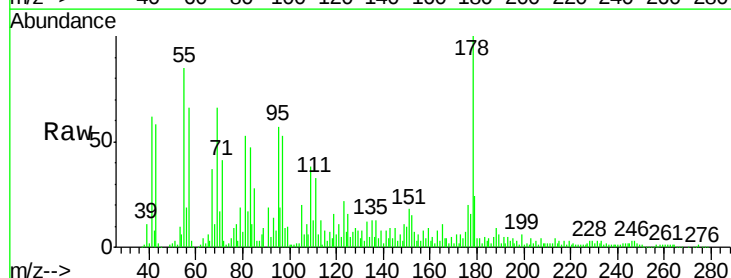
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

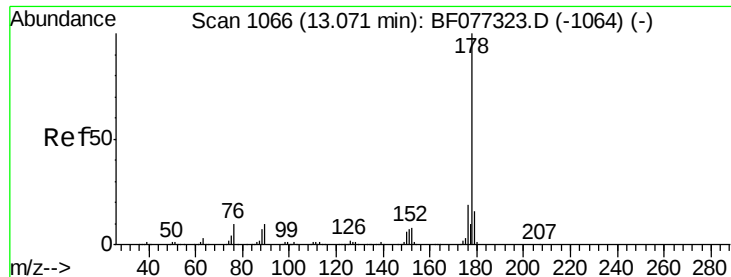
Tgt Ion:266 Resp: 71251
 Ion Ratio Lower Upper
 266 100
 268 62.7 54.0 81.0
 264 63.4 48.2 72.2



#70
 Phenanthrene
 Concen: 30.44 ng
 RT: 13.01 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:178 Resp: 429221
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.6 23.4
 179 24.0 12.3 18.5#

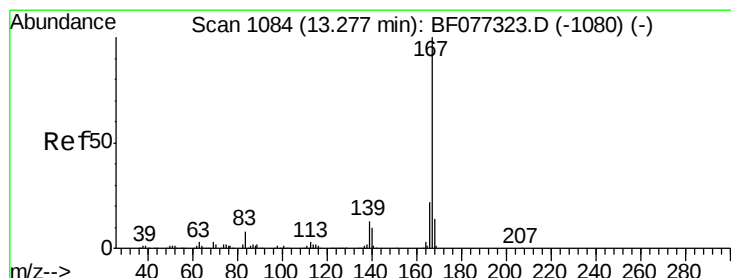
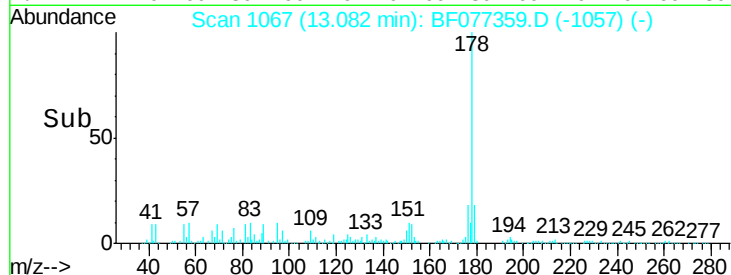
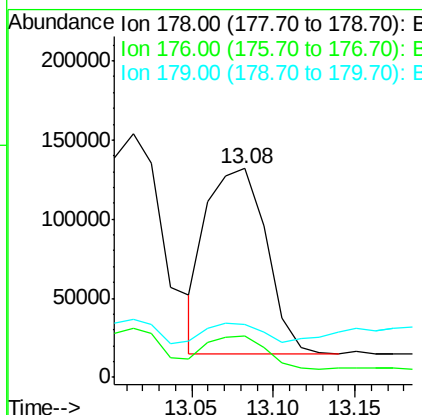
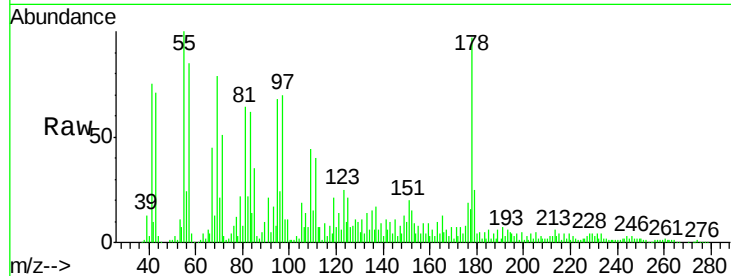




#71
 Anthracene
 Concen: 21.24 ng
 RT: 13.08 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

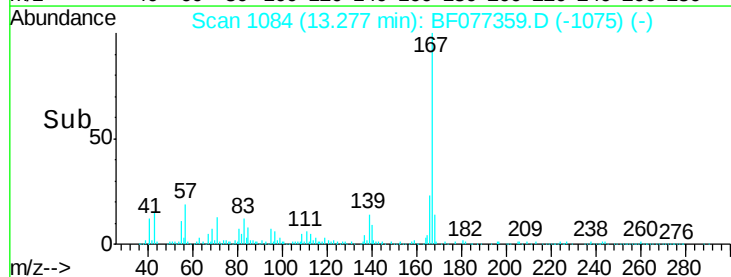
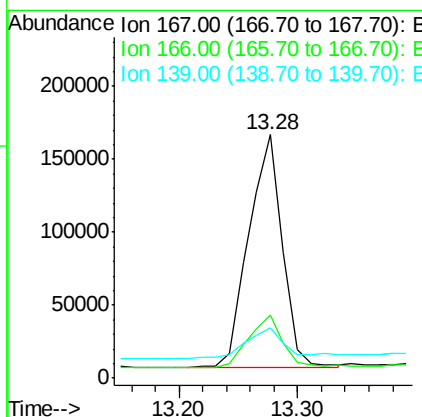
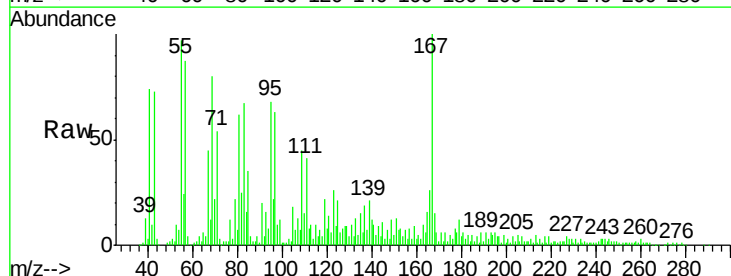
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MSD

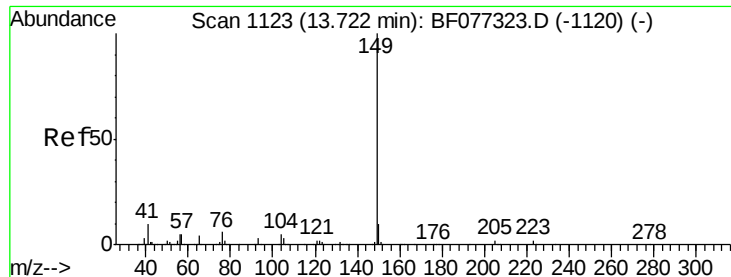
Tgt Ion:178 Resp: 297770
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.3 22.9
 179 25.5 12.8 19.2#



#72
 Carbazole
 Concen: 25.53 ng
 RT: 13.28 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF077359.D
 Acq: 18 Feb 2015 18:35

Tgt Ion:167 Resp: 314693
 Ion Ratio Lower Upper
 167 100
 166 26.1 17.4 26.2
 139 20.8 10.6 15.8#





#73

Di-n-butylphthalate

Concen: 21.91 ng

RT: 13.73 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

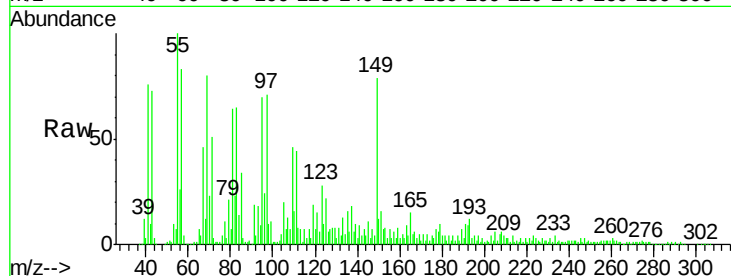
Tgt Ion:149 Resp: 332397

Ion Ratio Lower Upper

149 100

150 15.0 7.7 11.5#

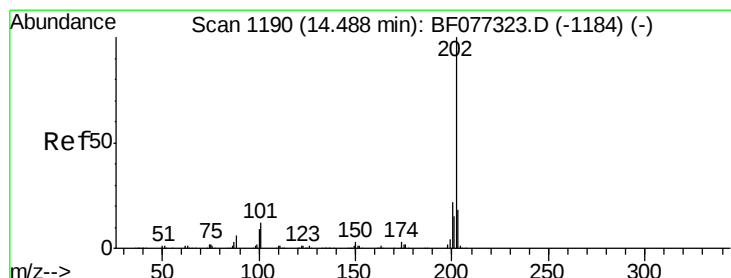
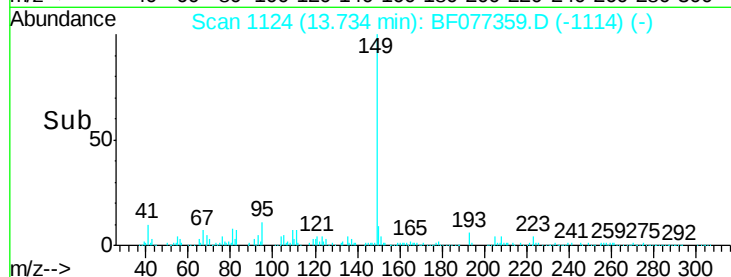
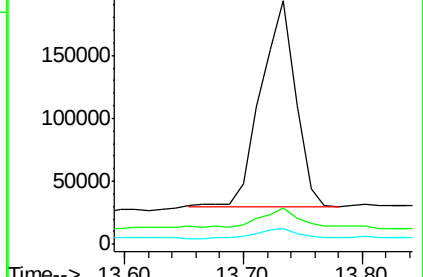
104 6.2 4.3 6.5



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



#74

Fluoranthene

Concen: 16.23 ng

RT: 14.52 min Scan# 1193

Delta R.T. 0.03 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

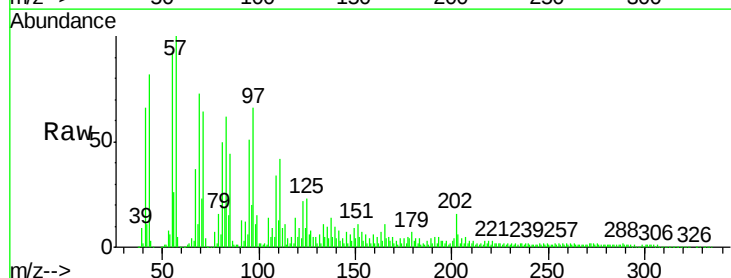
Tgt Ion:202 Resp: 231059

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.4

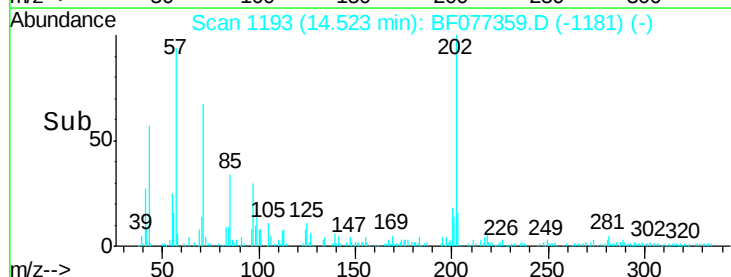
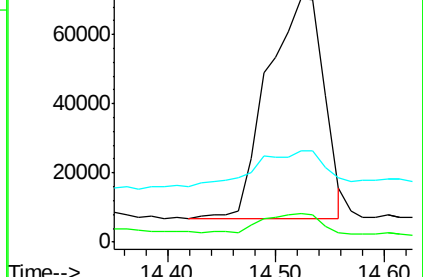
203 37.3 0.0 37.7

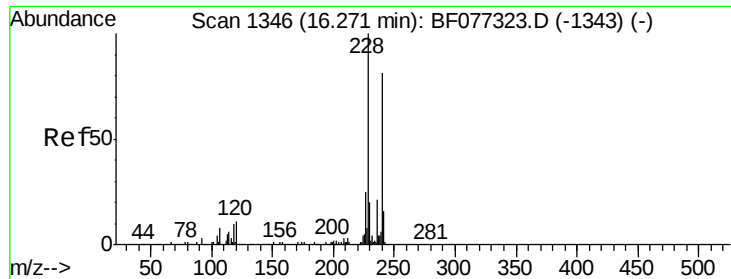


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.36 min Scan# 1354

Delta R.T. 0.09 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

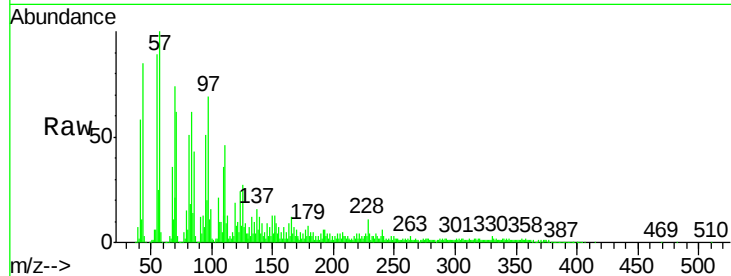
Tgt Ion:240 Resp: 88386

Ion Ratio Lower Upper

240 100

120 118.8 11.3 16.9#

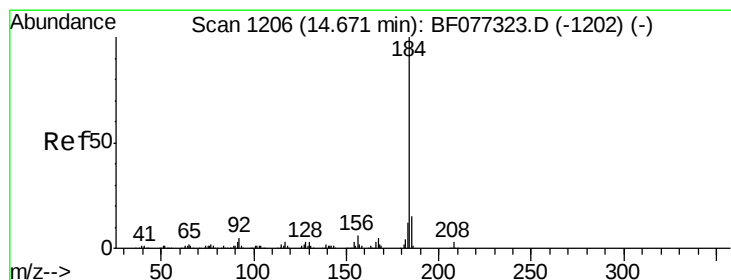
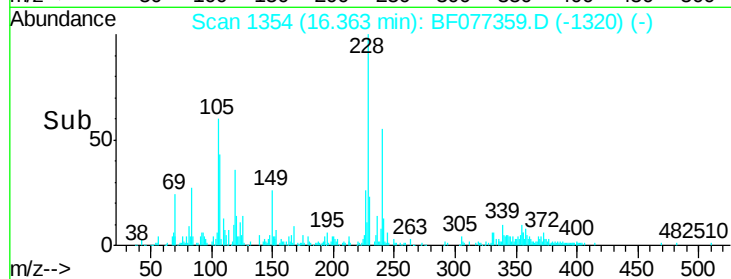
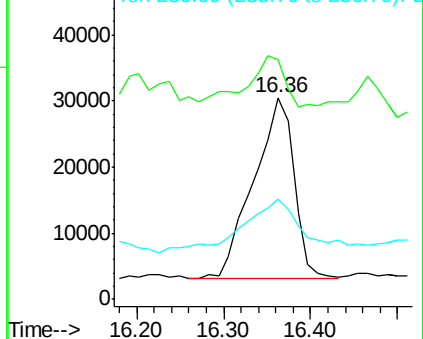
236 49.9 20.3 30.5#



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



#76

Benzidine

Concen: 3.29 ng

RT: 14.69 min Scan# 1208

Delta R.T. 0.02 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

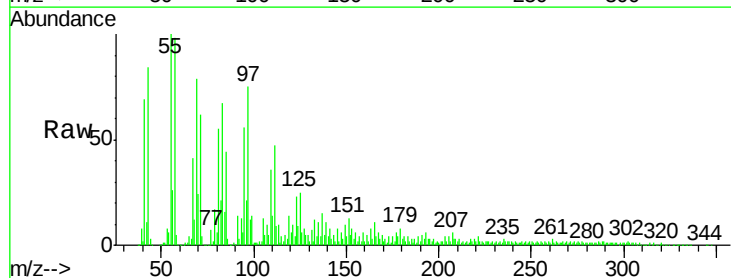
Tgt Ion:184 Resp: 8931

Ion Ratio Lower Upper

184 100

185 115.4 12.3 18.5#

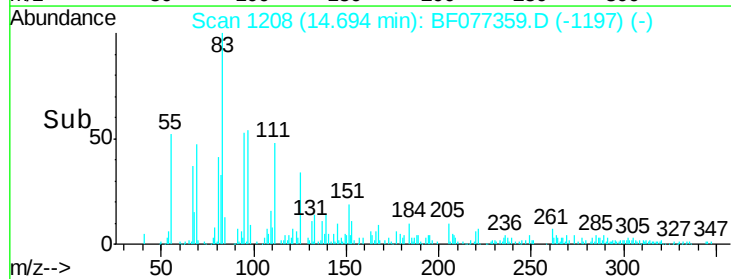
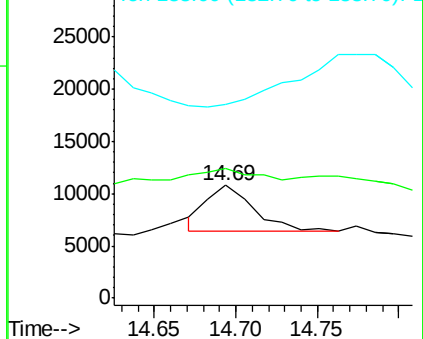
183 172.8 9.3 13.9#

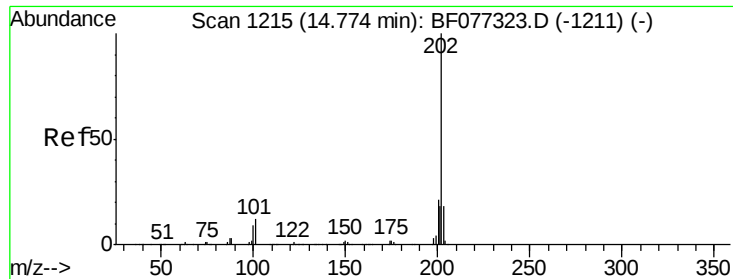


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 33.50 ng

RT: 14.82 min Scan# 1219

Delta R.T. 0.05 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

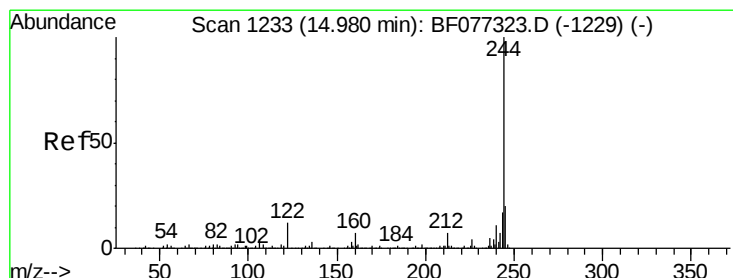
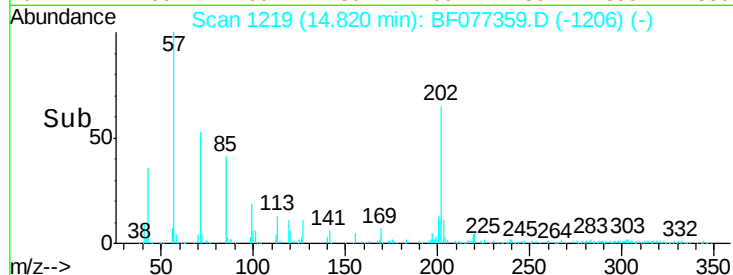
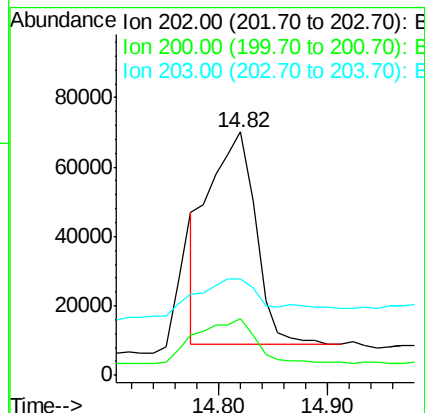
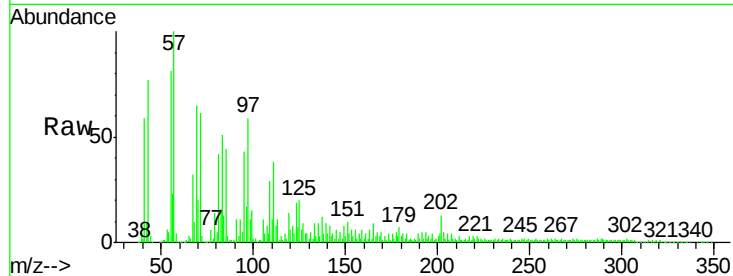
Tgt Ion:202 Resp: 183039

Ion Ratio Lower Upper

202 100

200 23.5 17.0 25.4

203 39.3 14.2 21.4#



#78

Terphenyl-d14

Concen: 50.25 ng

RT: 15.03 min Scan# 1237

Delta R.T. 0.05 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

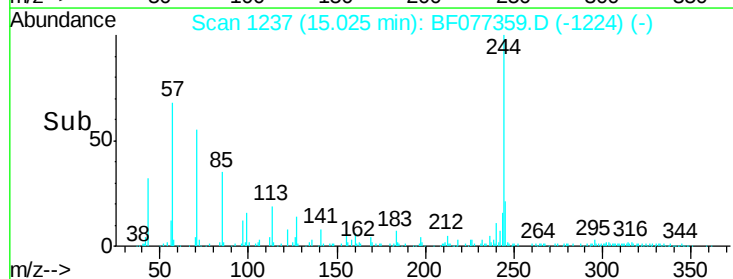
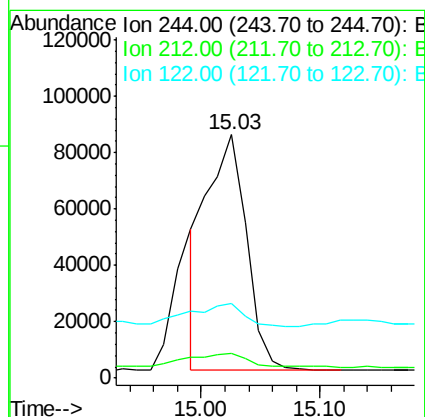
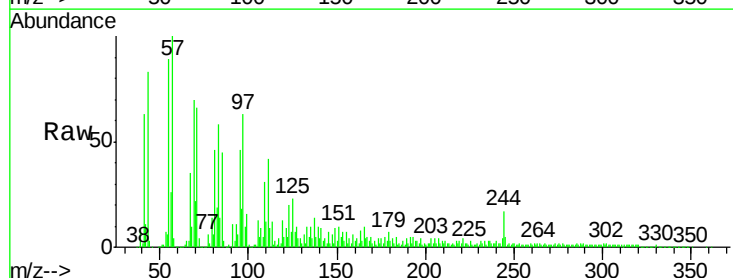
Tgt Ion:244 Resp: 195367

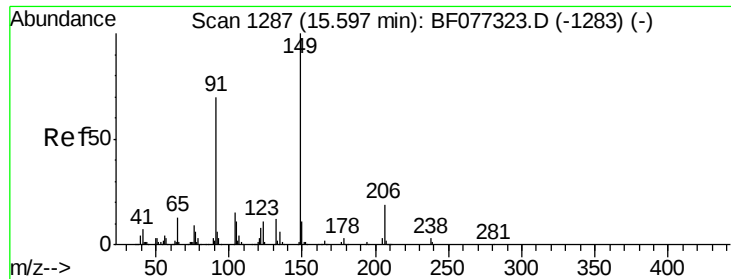
Ion Ratio Lower Upper

244 100

212 10.4 5.4 8.0#

122 30.6 9.3 13.9#

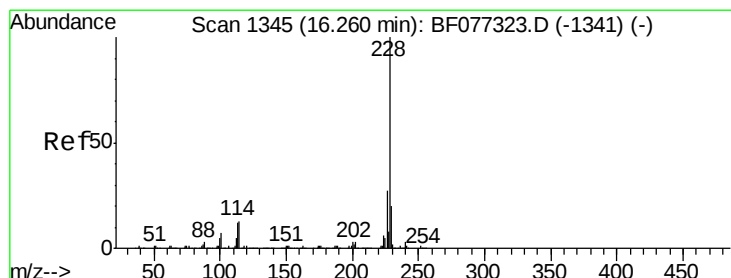
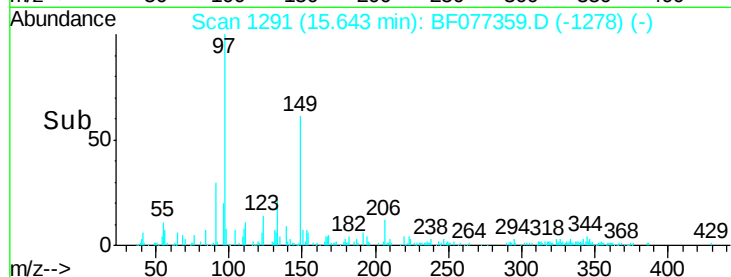
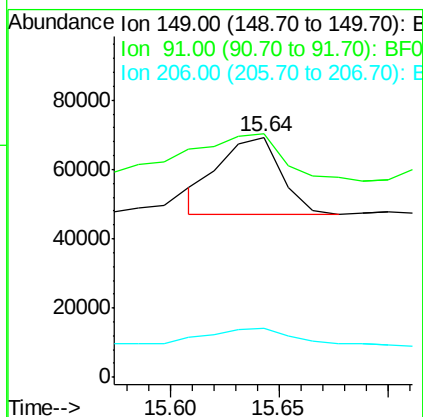
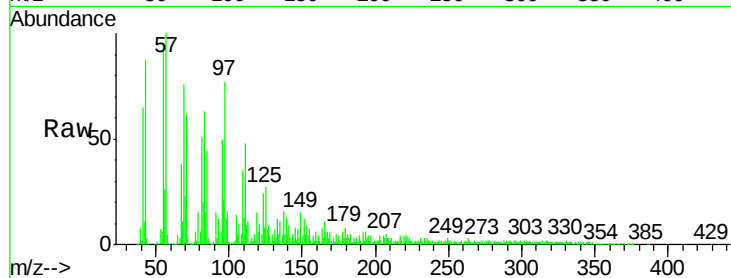




#79
Butylbenzylphthalate
Concen: 20.67 ng
RT: 15.64 min Scan# 1291
Delta R.T. 0.05 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

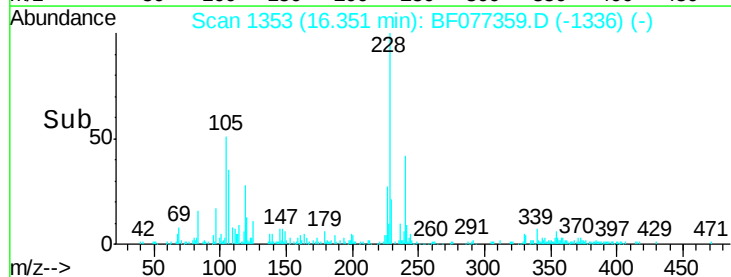
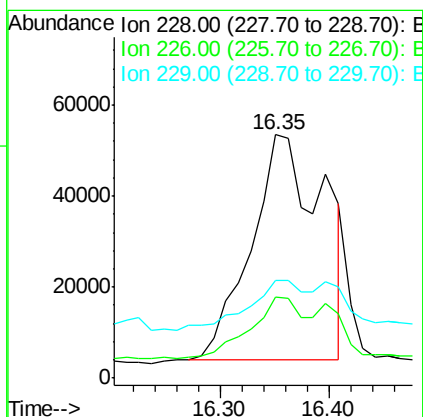
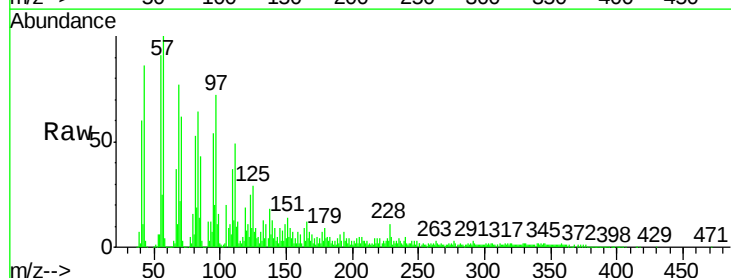
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

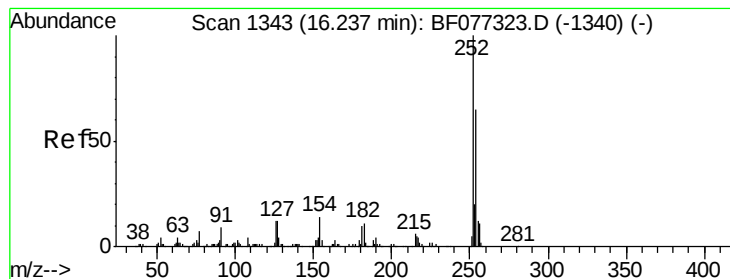
Tgt Ion:149 Resp: 44146
Ion Ratio Lower Upper
149 100
91 101.5 55.9 83.9#
206 20.4 15.4 23.0



#80
Benzo(a)anthracene
Concen: 44.25 ng
RT: 16.35 min Scan# 1353
Delta R.T. 0.09 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion:228 Resp: 227747
Ion Ratio Lower Upper
228 100
226 33.4 21.9 32.9#
229 40.1 16.1 24.1#





#81

3,3'-Dichlorobenzidine

Concen: 12.65 ng

RT: 16.31 min Scan# 1349

Delta R.T. 0.07 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

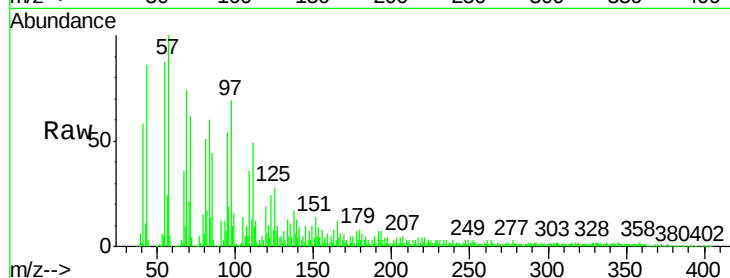
Tgt Ion:252 Resp: 21509

Ion Ratio Lower Upper

252 100

254 60.8 52.0 78.0

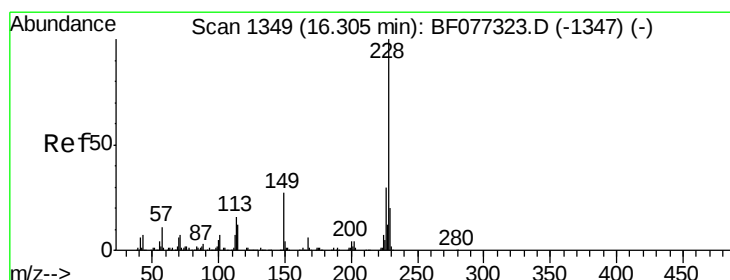
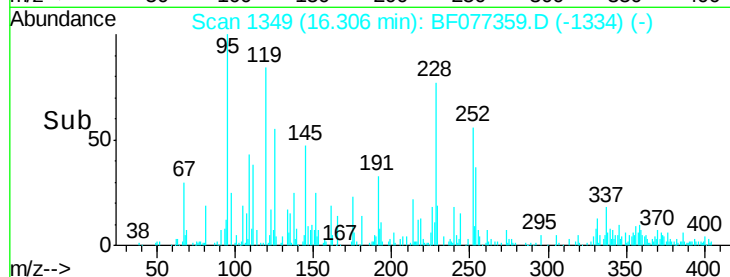
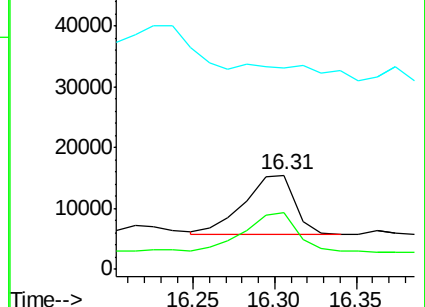
126 214.5 9.7 14.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 43.20 ng

RT: 16.35 min Scan# 1353

Delta R.T. 0.05 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

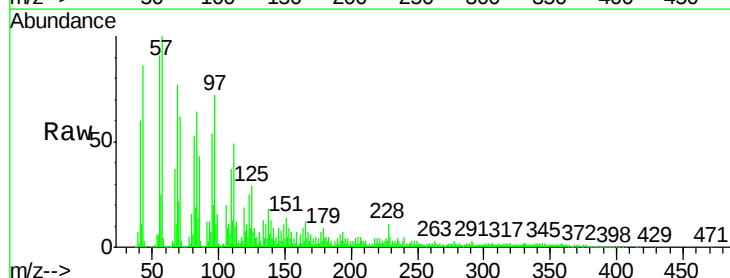
Tgt Ion:228 Resp: 210269

Ion Ratio Lower Upper

228 100

226 33.4 24.2 36.2

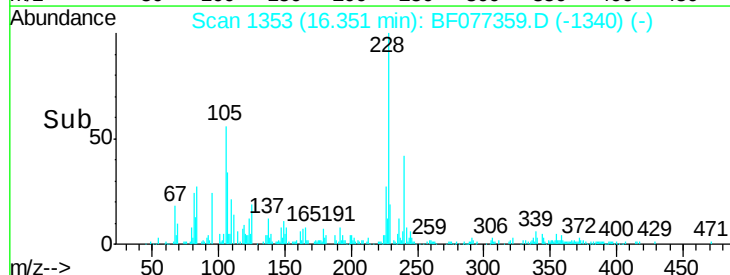
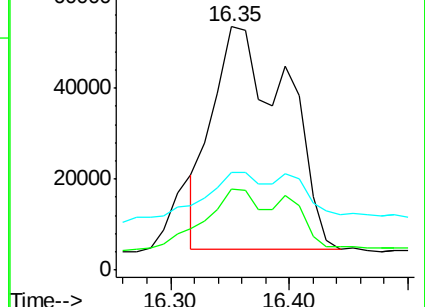
229 40.1 16.2 24.2#

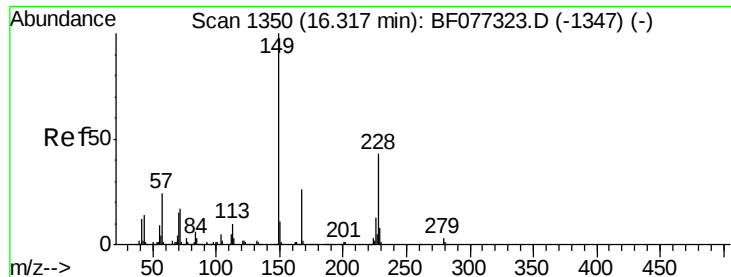


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 22.86 ng

RT: 16.39 min Scan# 1356

Delta R.T. 0.07 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

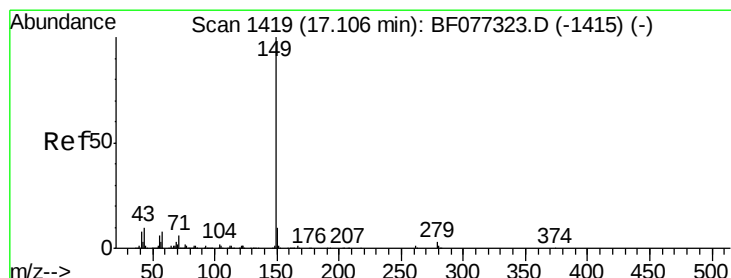
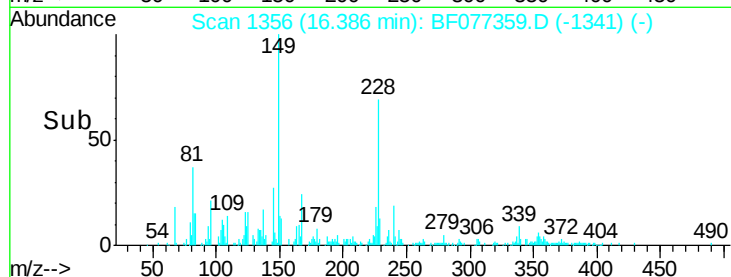
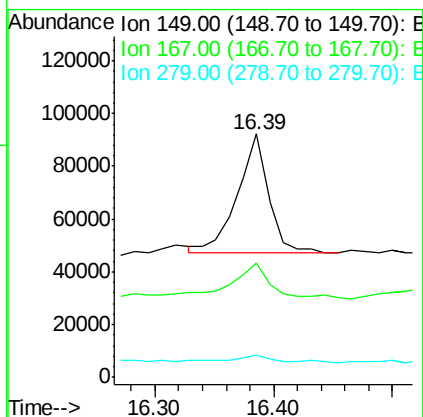
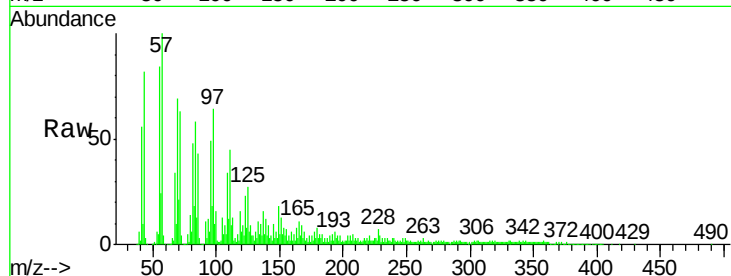
Tgt Ion:149 Resp: 84098

Ion Ratio Lower Upper

149 100

167 46.9 21.0 31.6#

279 9.0 2.7 4.1#



#84

Di-n-octyl phthalate

Concen: 18.89 ng

RT: 17.19 min Scan# 1426

Delta R.T. 0.08 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

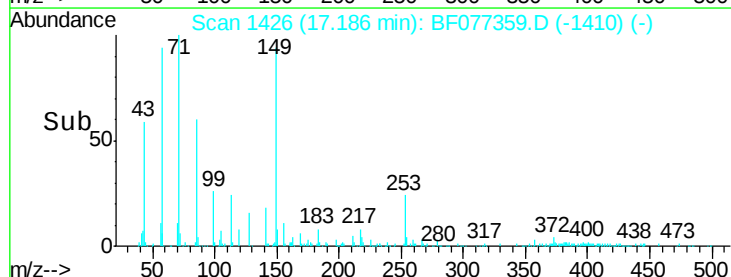
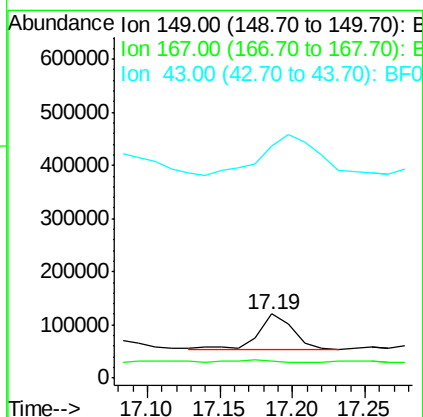
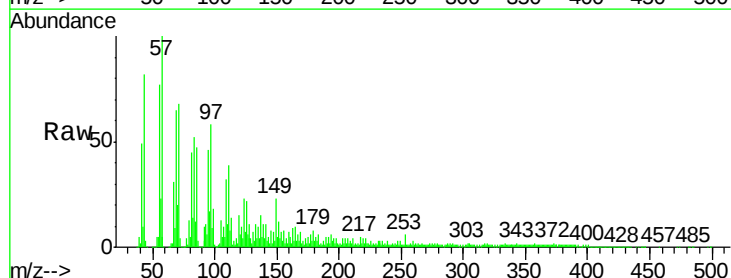
Tgt Ion:149 Resp: 106767

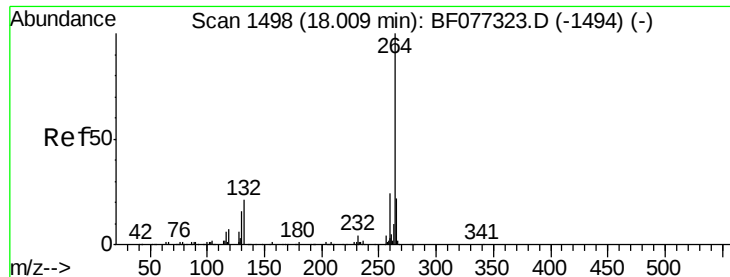
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 183.9 8.7 13.1#





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.16 min Scan# 1511

Delta R.T. 0.15 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MSD

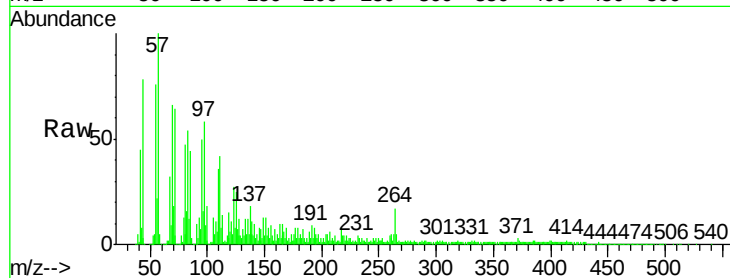
Tgt Ion:264 Resp: 110154

Ion Ratio Lower Upper

264 100

260 28.6 18.9 28.3#

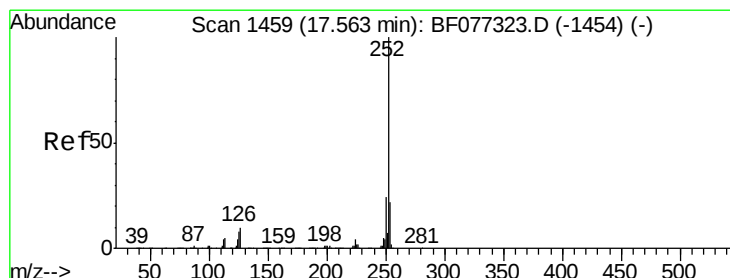
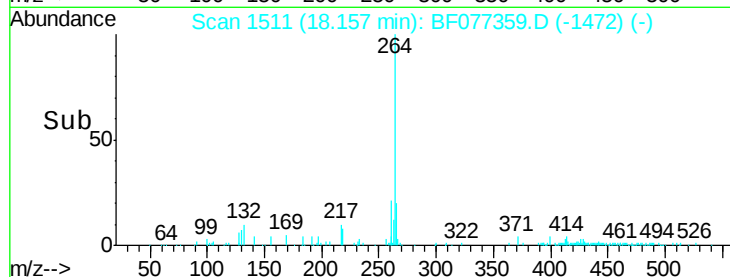
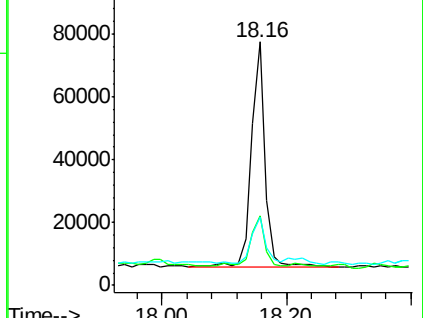
265 27.8 17.7 26.5#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 33.34 ng

RT: 17.69 min Scan# 1470

Delta R.T. 0.13 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

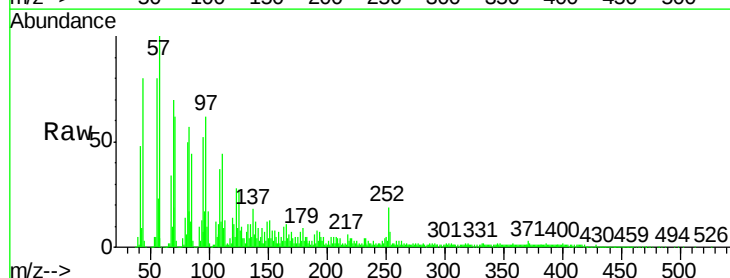
Tgt Ion:252 Resp: 236073

Ion Ratio Lower Upper

252 100

253 35.4 17.3 25.9#

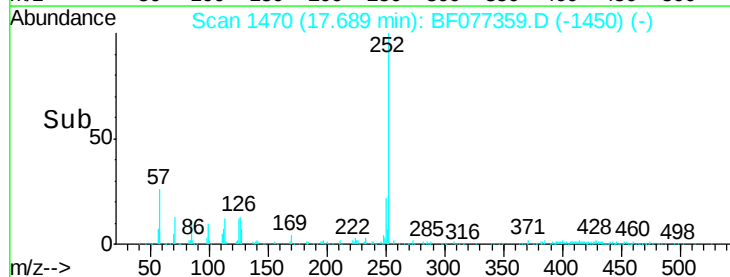
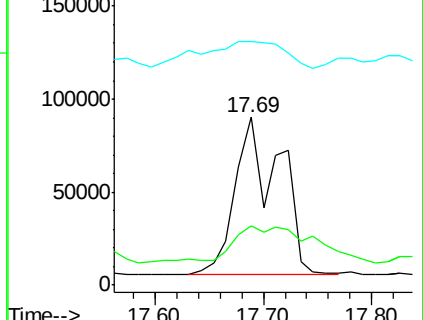
125 145.3 6.1 9.1#

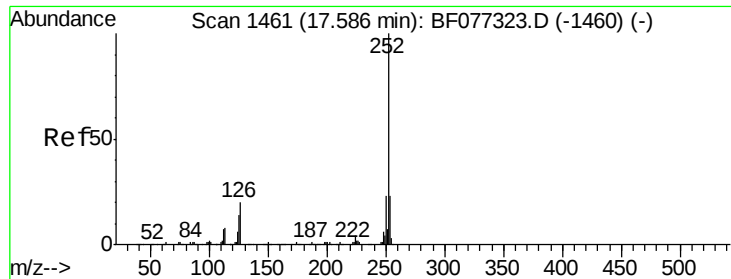


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 39.33 ng

RT: 17.69 min Scan# 1470

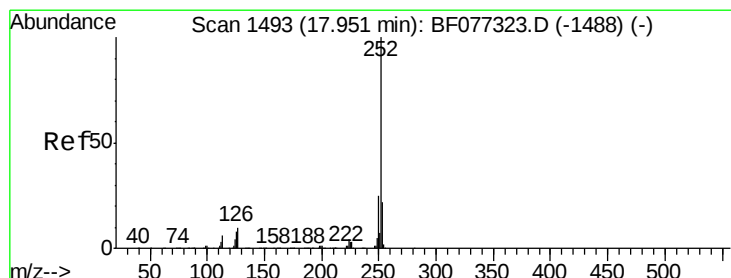
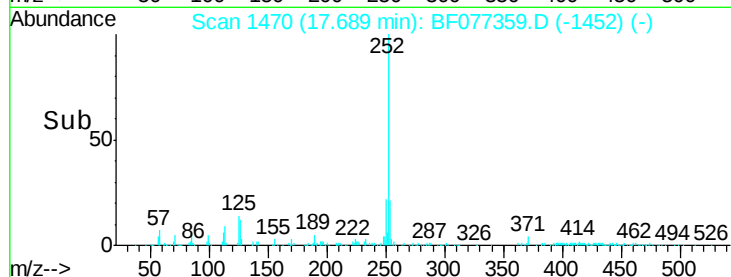
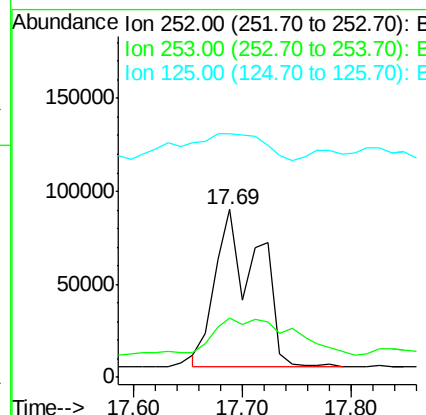
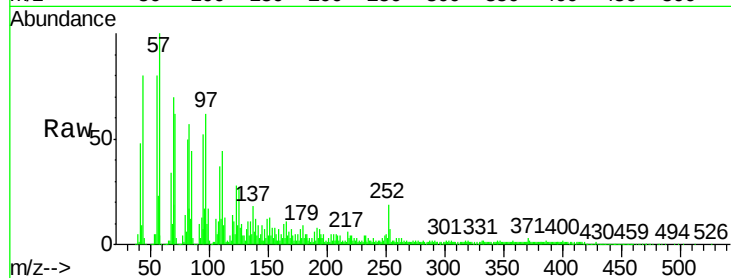
Delta R.T. 0.10 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.4	18.0	27.0#
125	145.3	11.0	16.4#



#89

Benzo(a)pyrene

Concen: 21.41 ng

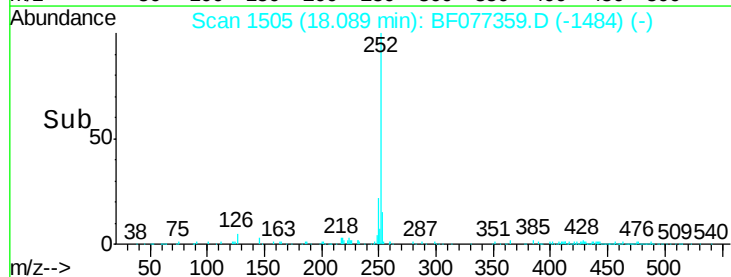
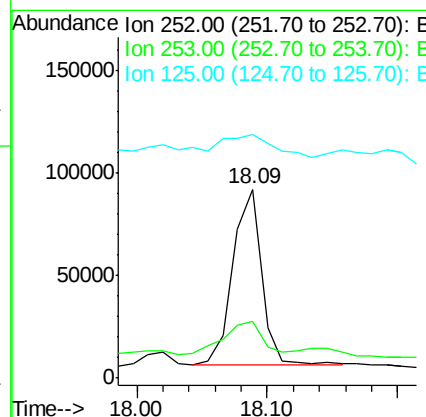
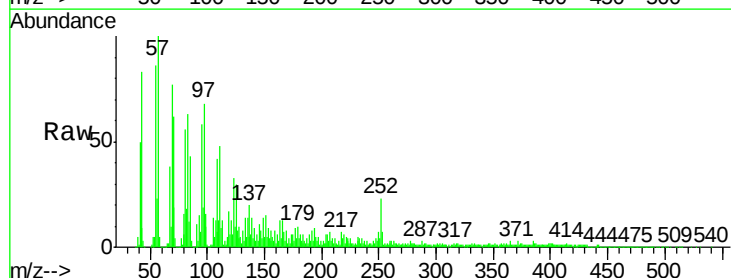
RT: 18.09 min Scan# 1505

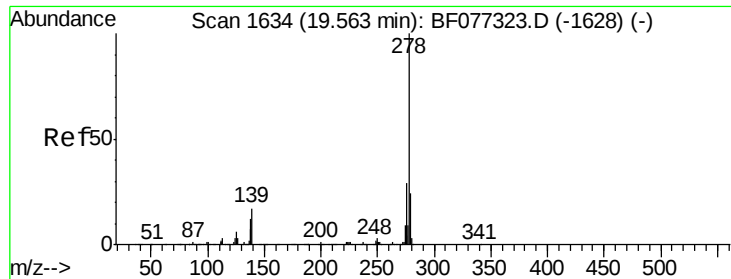
Delta R.T. 0.14 min

Lab File: BF077359.D

Acq: 18 Feb 2015 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.4	26.0#
125	128.8	6.2	9.2#

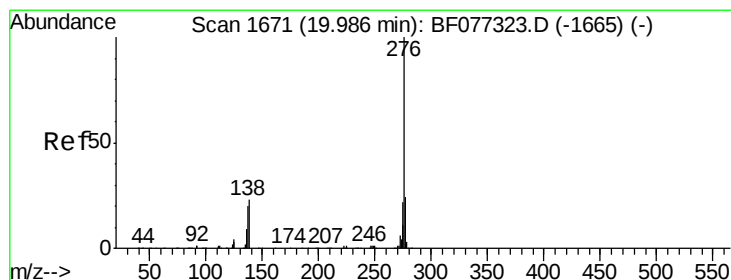
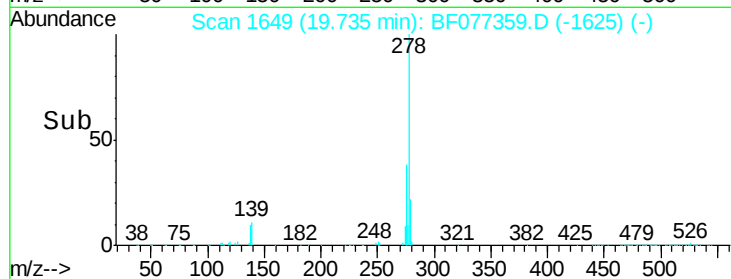
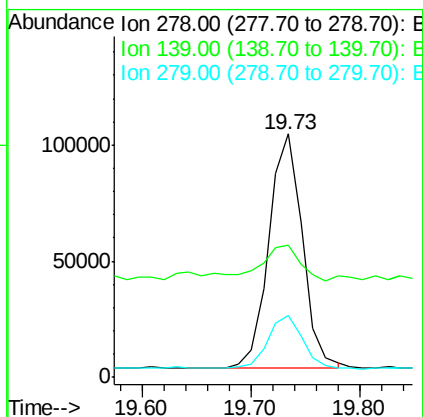
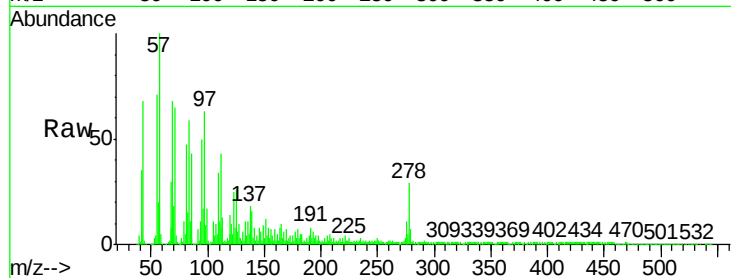




#90
Dibenzo(a,h)anthracene
Concen: 34.21 ng
RT: 19.73 min Scan# 1649
Delta R.T. 0.17 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MSD

Tgt Ion:278 Resp: 214605
Ion Ratio Lower Upper
278 100
139 54.4 13.4 20.2#
279 25.4 19.1 28.7



#91
Benzo(g,h,i)perylene
Concen: 38.71 ng
RT: 20.17 min Scan# 1687
Delta R.T. 0.18 min
Lab File: BF077359.D
Acq: 18 Feb 2015 18:35

Tgt Ion:276 Resp: 241395
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.6
138 33.6 18.7 28.1#

