

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021815\
 Data File : BF077358.D
 Acq On : 18 Feb 2015 18:06
 Operator : TP/IZ
 Sample : G1233-06MS
 Misc : S
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 19 03:25:44 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	61934	20.00	ng	-0.02
21) Naphthalene-d8	8.93	136	249672	20.00	ng	-0.02
38) Acenaphthene-d10	11.12	164	126927	20.00	ng	-0.02
63) Phenanthrene-d10	12.98	188	222281	20.00	ng	0.00
75) Chrysene-d12	16.37	240	75637	20.00	ng	0.10
86) Perylene-d12	18.18	264	89386	20.00	ng	0.17

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	290135	80.06	ng	-0.02
7) Phenol-d6	6.90	99	369401	78.03	ng	-0.02
23) Nitrobenzene-d5	8.04	82	207794	57.63	ng	-0.02
41) 2,4,6-Tribromophenol	12.11	330	105715	89.81	ng	0.00
44) 2-Fluorobiphenyl	10.28	172	506107	60.11	ng	-0.02
78) Terphenyl-d14	15.03	244	197587	59.39	ng	0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	29093	18.31	ng	99
3) Pyridine	3.08	79	67942	16.20	ng	94
4) n-Nitrosodimethylamine	2.98	42	41844	20.85	ng	# 92
6) Aniline	6.94	93	69417	10.38	ng	96
8) 2-Chlorophenol	7.08	128	111715	26.30	ng	97
9) Benzaldehyde	6.81	77	8493	2.86	ng	# 34
10) Phenol	6.92	94	138377	25.16	ng	88
11) bis(2-Chloroethyl)ether	7.04	93	96922	23.50	ng	97
12) 1,3-Dichlorobenzene	7.28	146	118766	24.79	ng	99
13) 1,4-Dichlorobenzene	7.38	146	124693	25.24	ng	98
14) 1,2-Dichlorobenzene	7.56	146	119325	25.04	ng	99
15) Benzyl Alcohol	7.53	79	90458	25.22	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.71	45	144193	23.22	ng	98
17) 2-Methylphenol	7.68	107	87456	25.83	ng	94
18) Hexachloroethane	7.98	117	44894	27.89	ng	95
19) n-Nitroso-di-n-propylamine	7.87	70	76966	23.40	ng	94
20) 3+4-Methylphenols	7.86	107	114823	26.05	ng	97
22) Acetophenone	7.86	105	162354	27.63	ng	# 99
24) Nitrobenzene	8.06	77	107759	27.73	ng	98
25) Isophorone	8.37	82	213719	26.30	ng	# 85
26) 2-Nitrophenol	8.46	139	40325	34.96	ng	95
27) 2,4-Dimethylphenol	8.52	122	104266	28.17	ng	95
28) bis(2-Chloroethoxy)methane	8.65	93	137081	26.22	ng	98
29) 2,4-Dichlorophenol	8.76	162	91502	28.76	ng	89
30) 1,2,4-Trichlorobenzene	8.86	180	104424	25.85	ng	97
31) Naphthalene	8.96	128	353145	28.27	ng	99
32) Benzoic acid	8.59	122	21496	23.93	ng	95
33) 4-Chloroaniline	9.04	127	59961	11.23	ng	# 91
34) Hexachlorobutadiene	9.12	225	54142	24.52	ng	99
35) Caprolactam	9.45	113	24783	25.32	ng	94
36) 4-Chloro-3-methylphenol	9.63	107	102034	29.15	ng	# 82
37) 2-Methylnaphthalene	9.82	142	253380	28.20	ng	100
39) 1,2,4,5-Tetrachlorobenzene	10.03	216	97053	26.48	ng	98
40) Hexachlorocyclopentadiene	10.02	237	24212	13.29	ng	93

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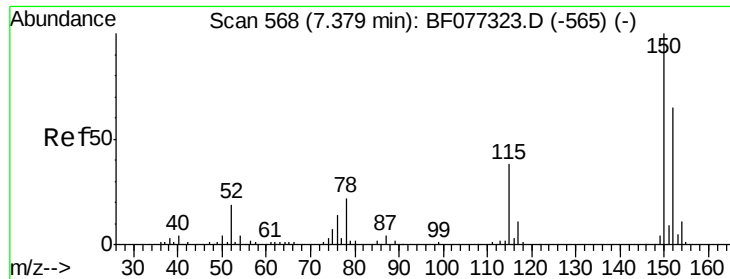
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	10.17	196	65735	32.01	ng	97
43) 2,4,5-Trichlorophenol	10.21	196	67401	30.70	ng	# 91
45) 1,1'-Biphenyl	10.41	154	296507	29.30	ng	94
46) 2-Chloronaphthalene	10.43	162	216490	28.80	ng	91
47) 2-Nitroaniline	10.55	65	50438	31.88	ng	98
48) Acenaphthylene	10.95	152	366255	29.55	ng	100
49) Dimethylphthalate	10.79	163	296860	33.99	ng	99
50) 2,6-Dinitrotoluene	10.87	165	52382	33.03	ng	# 58
51) Acenaphthene	11.15	154	212734	28.91	ng	99
52) 3-Nitroaniline	11.06	138	50013	26.51	ng	95
53) 2,4-Dinitrophenol	11.20	184	10127	43.39	ng	# 76
54) Dibenzofuran	11.37	168	302560	27.11	ng	97
55) 4-Nitrophenol	11.27	139	88425	67.63	ng	93
56) 2,4-Dinitrotoluene	11.36	165	67193	34.14	ng	# 95
57) Fluorene	11.80	166	269502	30.78	ng	98
58) 2,3,4,6-Tetrachlorophenol	11.52	232	50688	28.91	ng	# 88
59) Diethylphthalate	11.68	149	259605	28.55	ng	98
60) 4-Chlorophenyl-phenylether	11.81	204	111605	26.20	ng	93
61) 4-Nitroaniline	11.81	138	49600	27.38	ng	98
62) Azobenzene	12.01	77	292059	32.42	ng	85
64) 4,6-Dinitro-2-methylphenol	11.86	198	11812	31.77	ng	# 1
65) n-Nitrosodiphenylamine	11.96	169	281676	38.85	ng	98
66) 4-Bromophenyl-phenylether	12.42	248	70022	28.25	ng	# 85
67) Hexachlorobenzene	12.50	284	73902	26.29	ng	# 85
68) Atrazine	12.64	200	62799	28.98	ng	77
69) Pentachlorophenol	12.74	266	72855	72.79	ng	95
70) Phenanthrene	13.01	178	415530	32.17	ng	# 93
71) Anthracene	13.07	178	325932	25.38	ng	# 90
72) Carbazole	13.28	167	320884	28.42	ng	# 89
73) Di-n-butylphthalate	13.73	149	368487	26.51	ng	# 91
74) Fluoranthene	14.52	202	235511	18.06	ng	77
77) Pyrene	14.81	202	147454	31.54	ng	# 73
79) Butylbenzylphthalate	15.70	149	8556	5.26	ng	# 50
80) Benzo(a)anthracene	16.36	228	157686	35.80	ng	# 79
81) 3,3'-Dichlorobenzidine	16.31	252	27292	18.76	ng	# 29
82) Chrysene	16.36	228	66078	15.87	ng	# 83
83) Bis(2-ethylhexyl)phthalate	16.39	149	97978	31.30	ng	# 59
84) Di-n-octyl phthalate	17.21	149	125000	25.38	ng	# 1
87) Benzo(b)fluoranthene	17.71	252	234651	40.84	ng	# 1
88) Benzo(k)fluoranthene	17.71	252	228190	48.08	ng	# 1
89) Benzo(a)pyrene	18.11	252	135037	27.00	ng	# 1
90) Dibenzo(a,h)anthracene	19.76	278	219980	43.22	ng	# 59
91) Benzo(g,h,i)perylene	20.19	276	242405	47.90	ng	# 81

(#) = 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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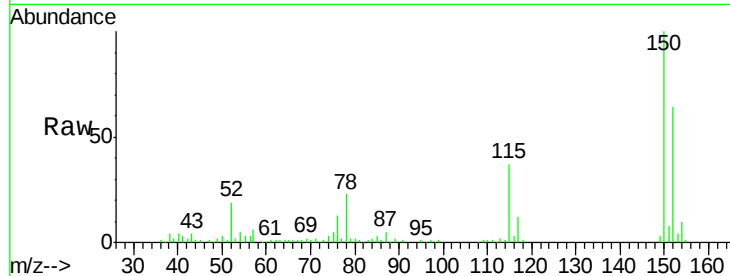
Tgt Ion:152 Resp: 61934

Ion Ratio Lower Upper

152 100

150 156.6 123.1 184.7

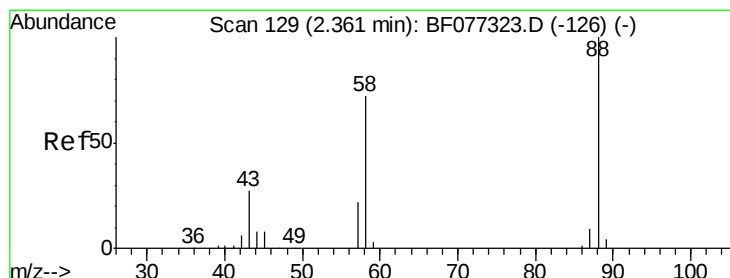
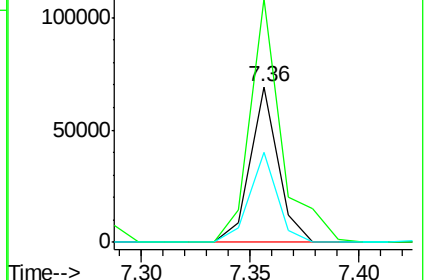
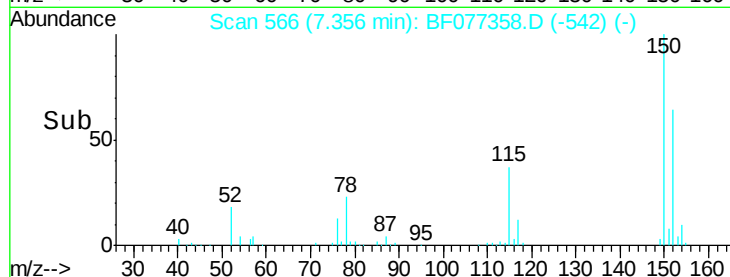
115 58.2 46.2 69.4



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: 18.31 ng

RT: 2.30 min Scan# 124

Delta R.T. -0.06 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

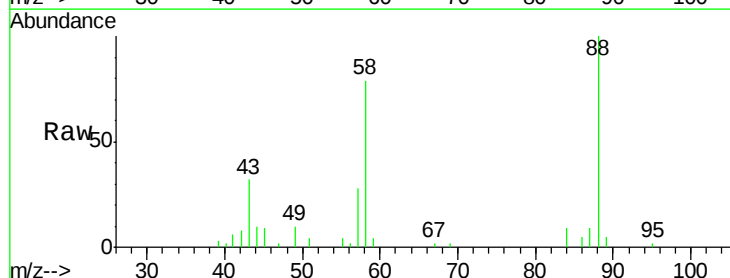
Tgt Ion: 88 Resp: 29093

Ion Ratio Lower Upper

88 100

58 72.4 57.8 86.6

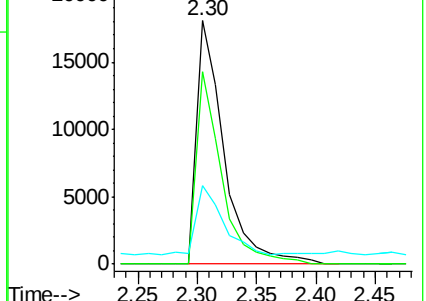
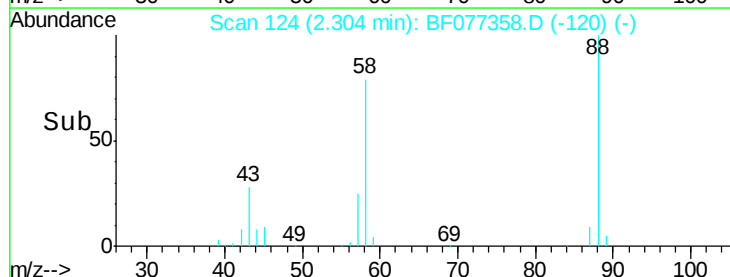
43 26.6 23.2 34.8

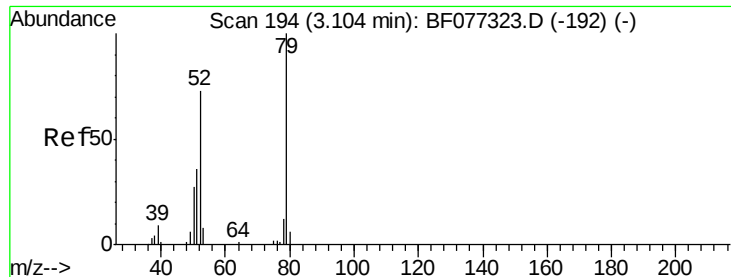


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 16.20 ng

RT: 3.08 min Scan# 192

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

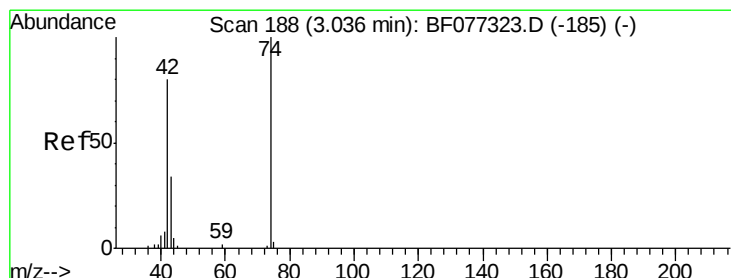
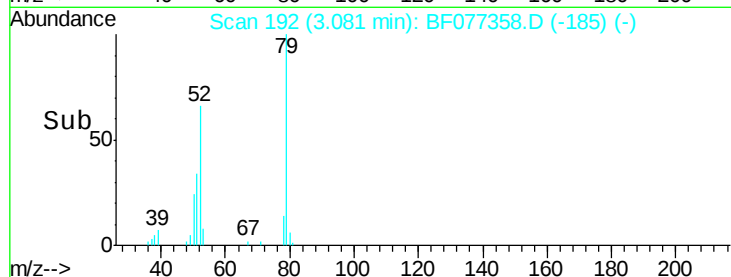
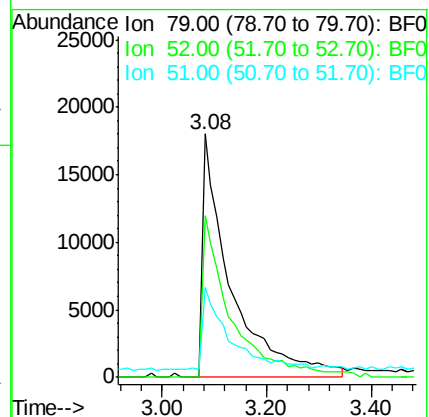
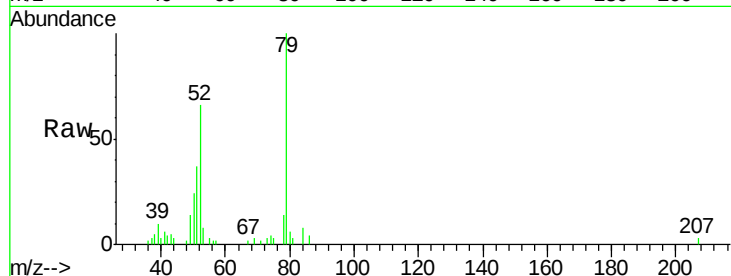
Tgt Ion: 79 Resp: 67942

Ion Ratio Lower Upper

79 100

52 66.3 58.4 87.6

51 37.0 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 20.85 ng

RT: 2.98 min Scan# 183

Delta R.T. -0.06 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

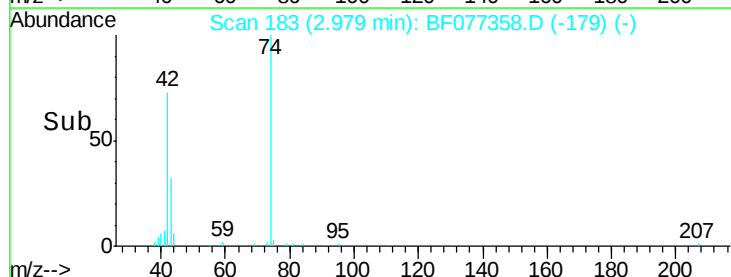
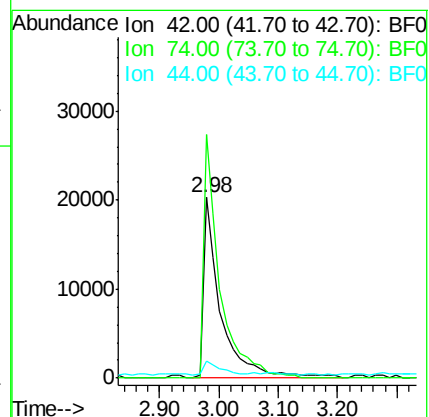
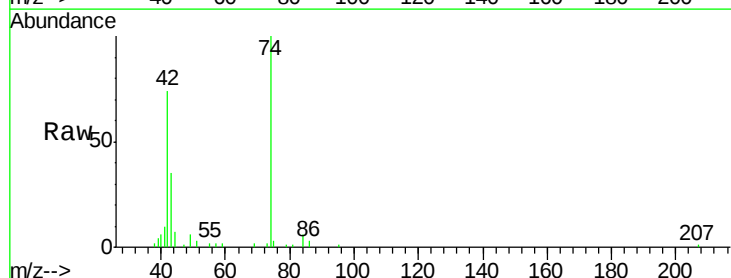
Tgt Ion: 42 Resp: 41844

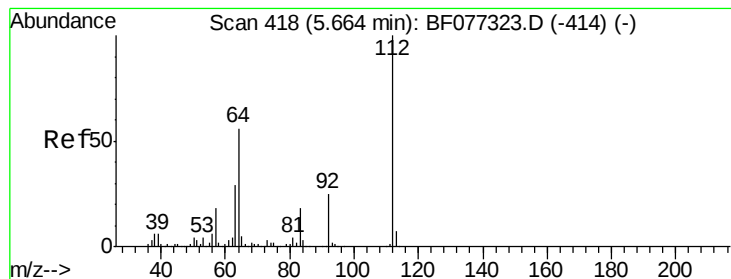
Ion Ratio Lower Upper

42 100

74 134.7 100.0 150.0

44 9.6 6.1 9.1#





#5

2-Fluorophenol

Concen: 80.06 ng

RT: 5.64 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

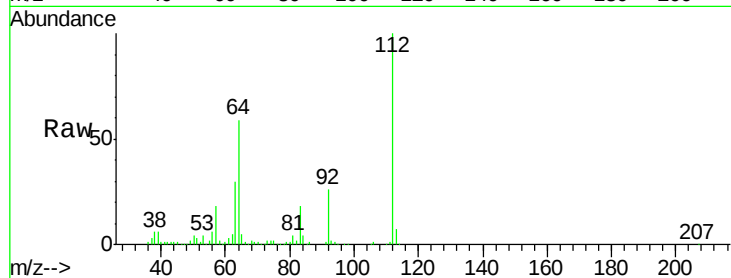
Tgt Ion:112 Resp: 290135

Ion Ratio Lower Upper

112 100

64 59.0 44.7 67.1

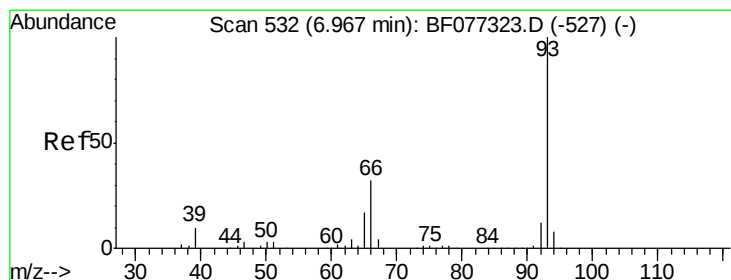
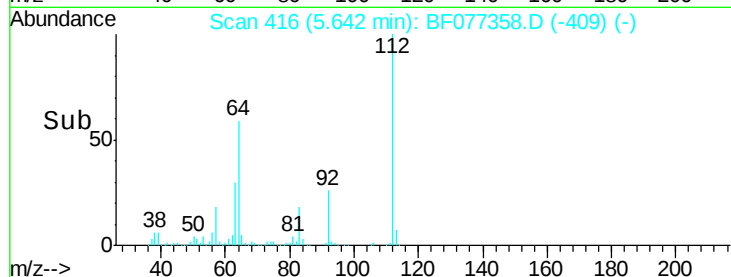
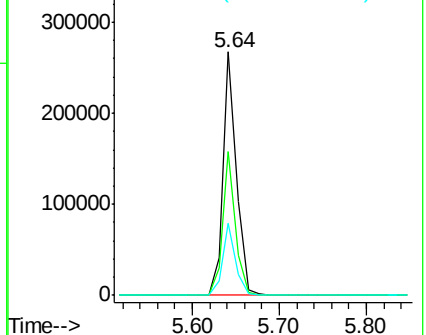
63 29.9 23.3 34.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.38 ng

RT: 6.94 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

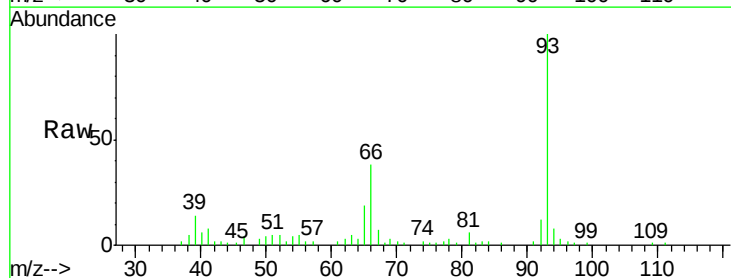
Tgt Ion: 93 Resp: 69417

Ion Ratio Lower Upper

93 100

66 38.2 28.3 42.5

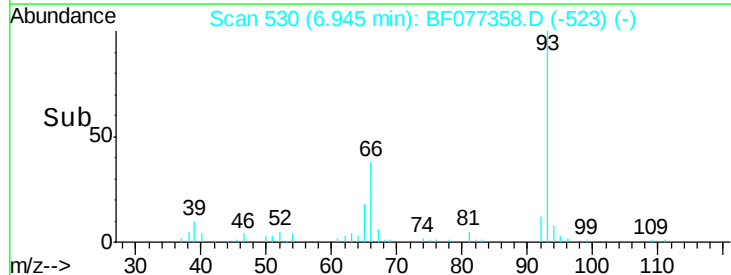
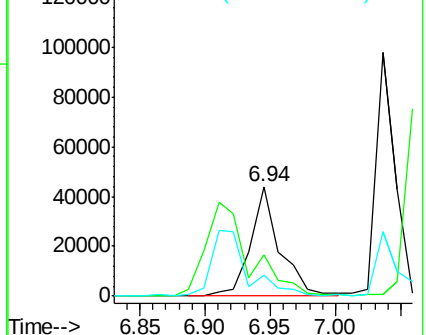
65 19.3 14.1 21.1

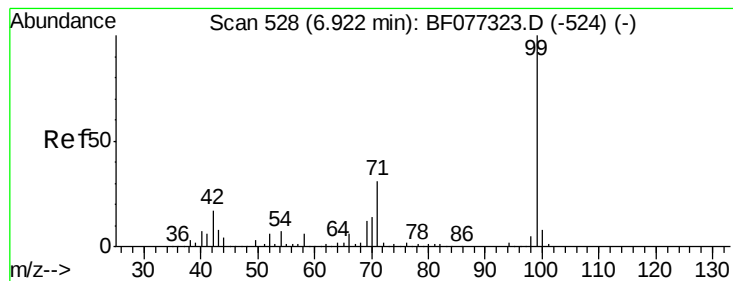


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 78.03 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

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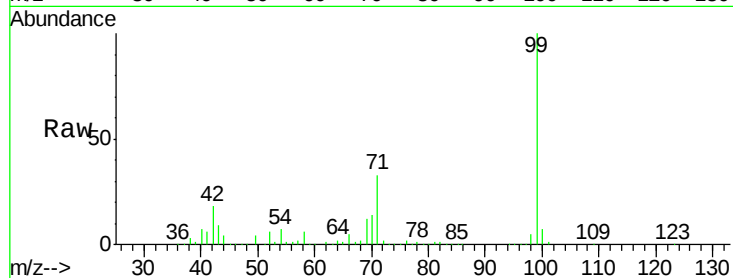
Tgt Ion: 99 Resp: 369401

Ion Ratio Lower Upper

99 100

42 18.4 13.8 20.6

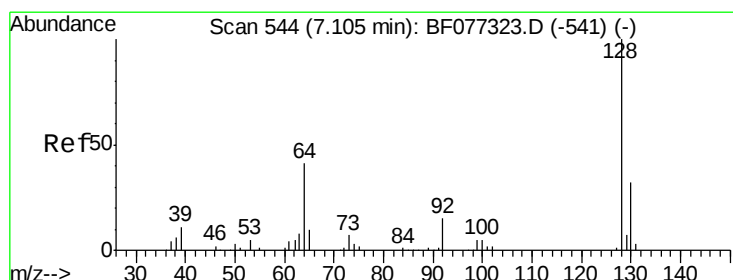
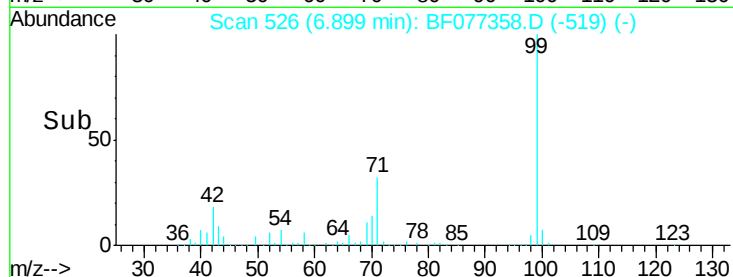
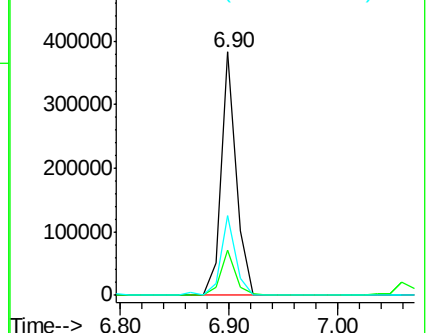
71 32.6 24.6 37.0



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: 26.30 ng

RT: 7.08 min Scan# 542

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

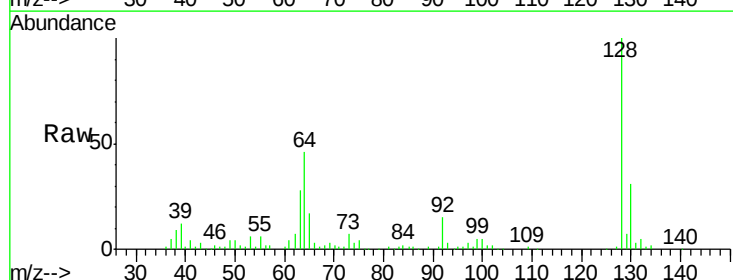
Tgt Ion: 128 Resp: 111715

Ion Ratio Lower Upper

128 100

130 31.4 12.4 52.4

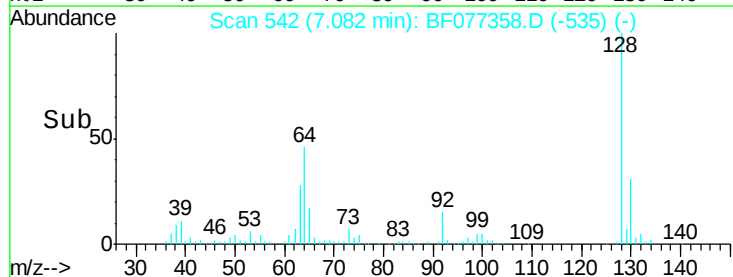
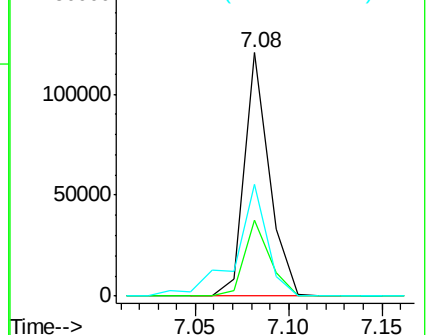
64 46.0 23.2 63.2

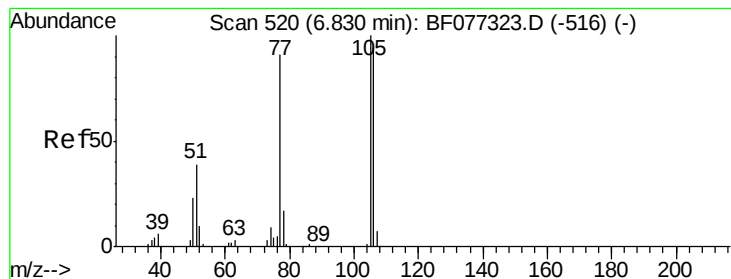


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.86 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.02 min

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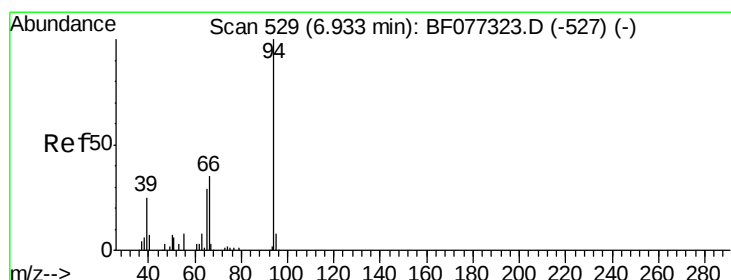
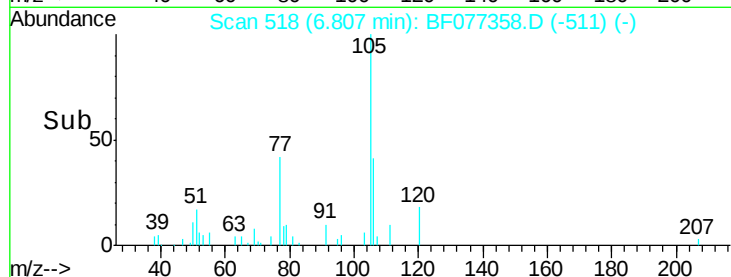
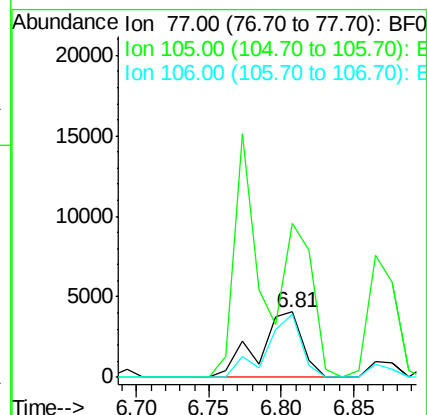
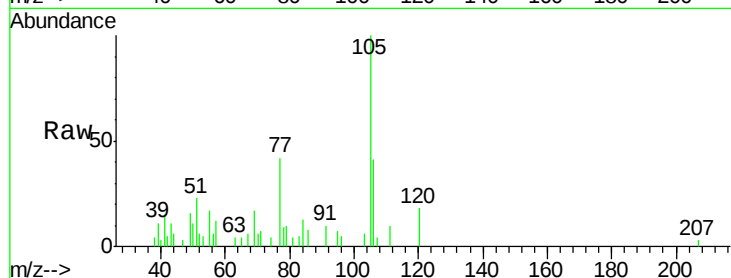
Tgt Ion: 77 Resp: 8493

Ion Ratio Lower Upper

77 100

105 237.5 89.5 129.5#

106 96.5 83.2 123.2



#10

Phenol

Concen: 25.16 ng

RT: 6.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

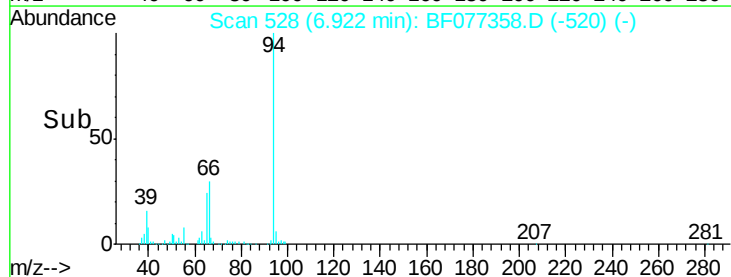
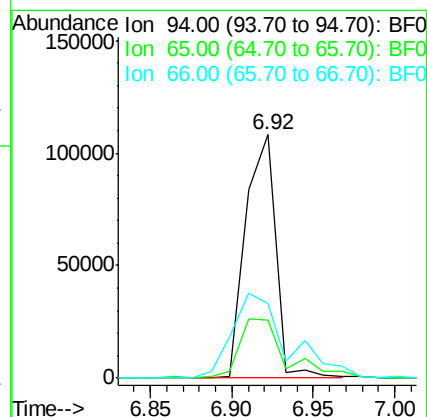
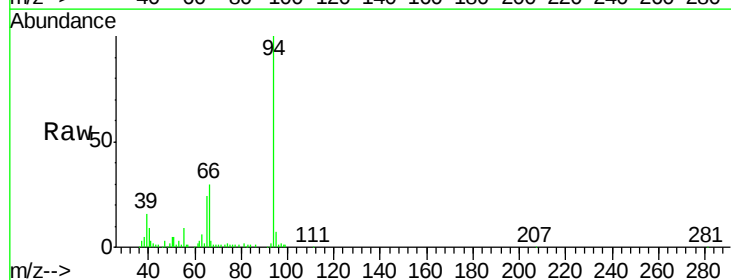
Tgt Ion: 94 Resp: 138377

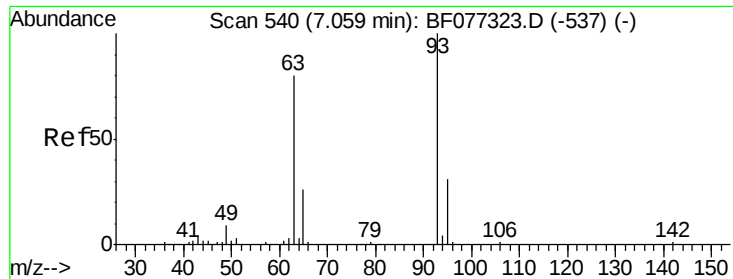
Ion Ratio Lower Upper

94 100

65 24.0 9.3 49.3

66 30.4 18.3 58.3





#11

bis(2-Chloroethyl)ether

Concen: 23.50 ng

RT: 7.04 min Scan# 538

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

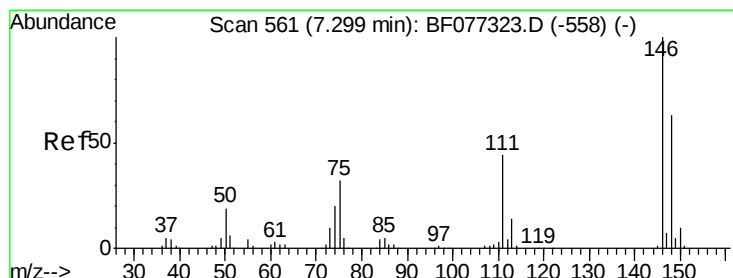
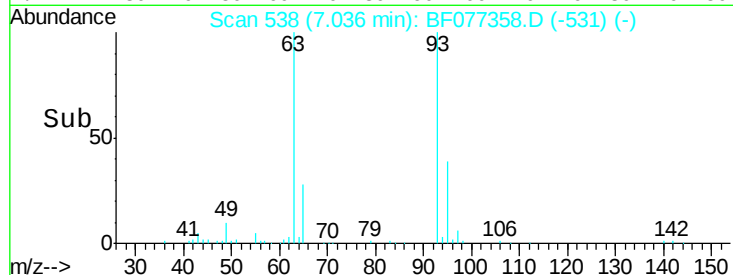
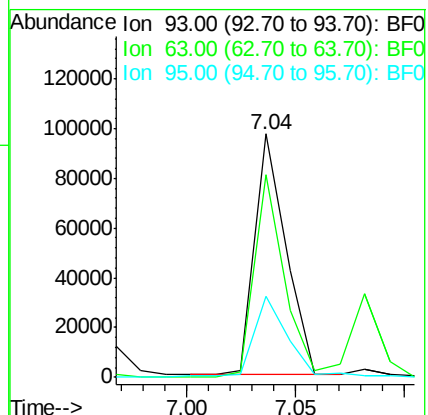
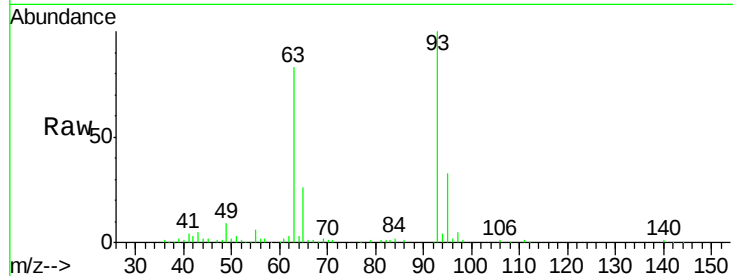
Tgt Ion: 93 Resp: 96922

Ion Ratio Lower Upper

93 100

63 83.2 60.0 100.0

95 33.2 11.4 51.4



#12

1,3-Dichlorobenzene

Concen: 24.79 ng

RT: 7.28 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

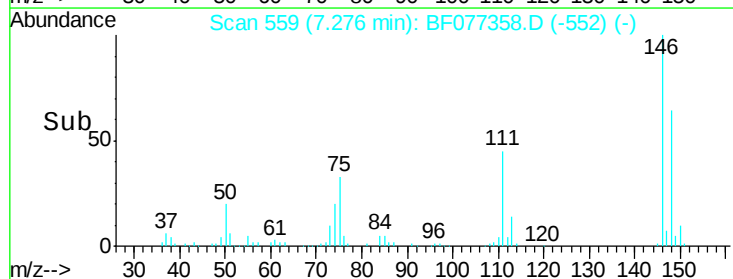
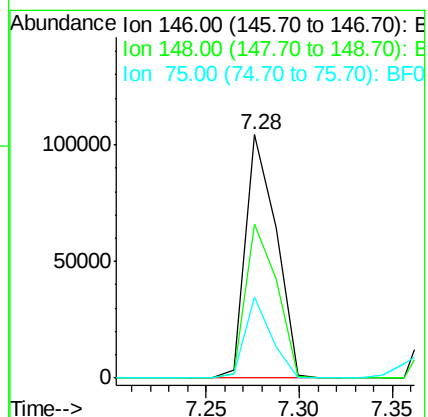
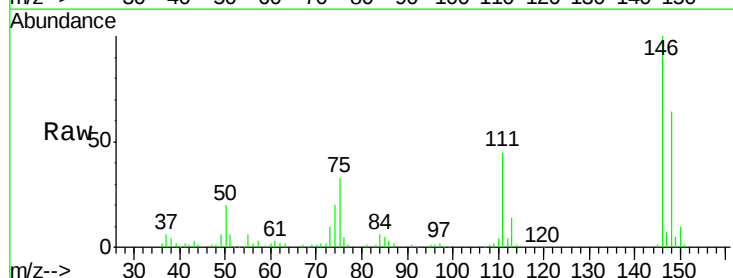
Tgt Ion: 146 Resp: 118766

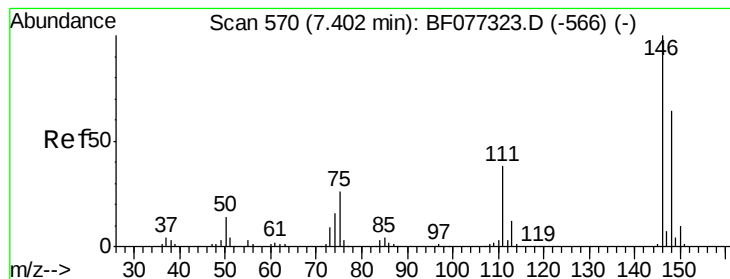
Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.4

75 33.2 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 25.24 ng

RT: 7.38 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

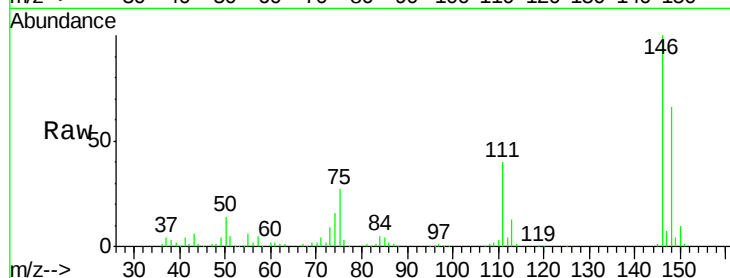
Tgt Ion:146 Resp: 124693

Ion Ratio Lower Upper

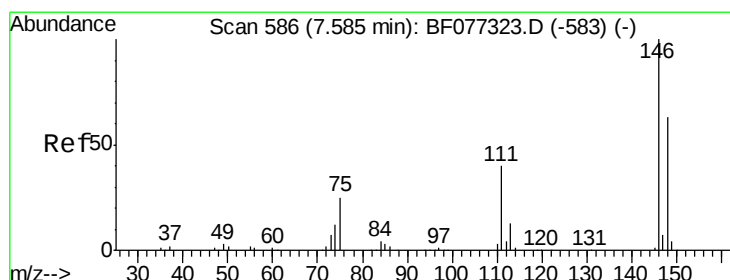
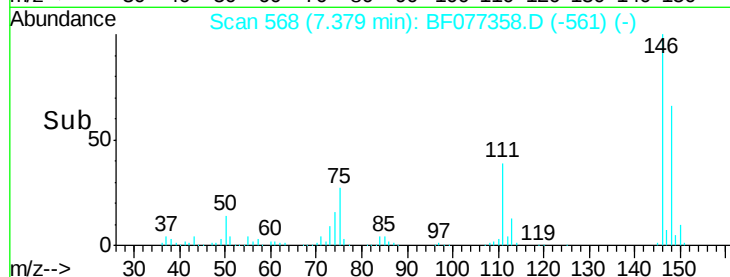
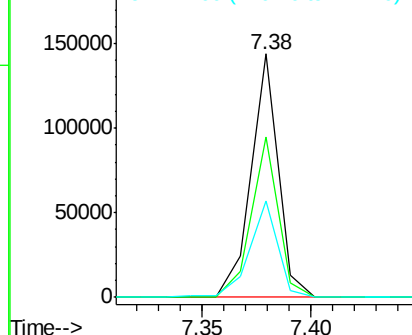
146 100

148 66.0 51.6 77.4

111 39.6 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: 25.04 ng

RT: 7.56 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

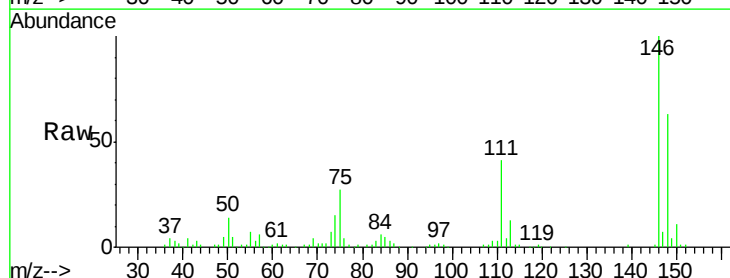
Tgt Ion:146 Resp: 119325

Ion Ratio Lower Upper

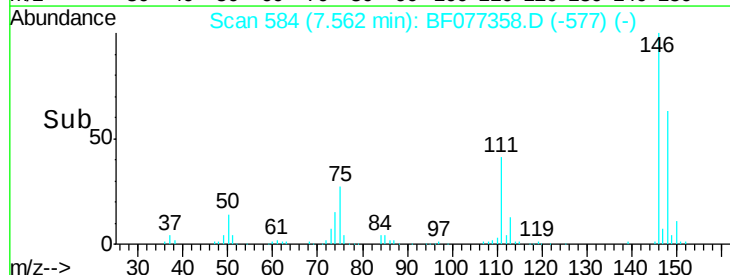
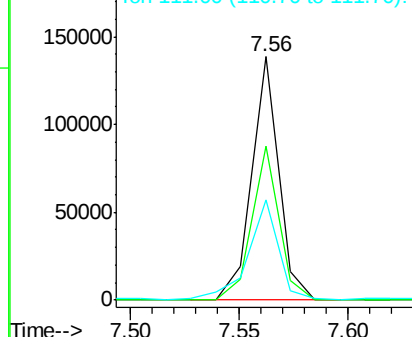
146 100

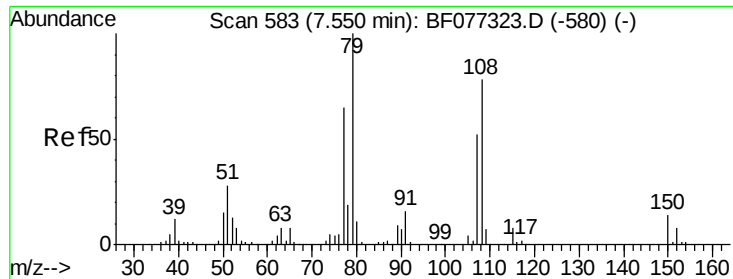
148 63.4 50.3 75.5

111 41.4 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

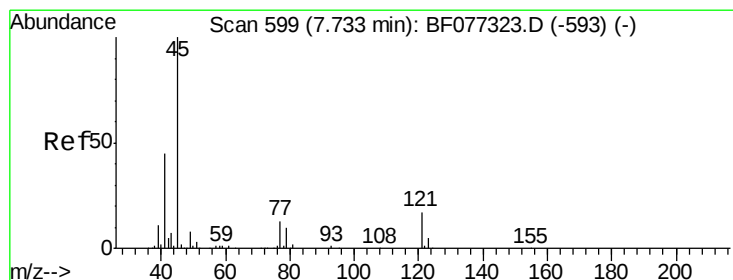
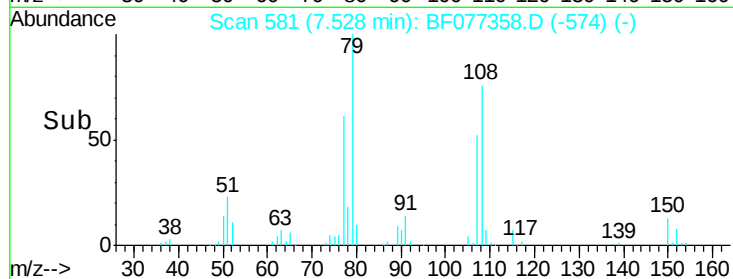
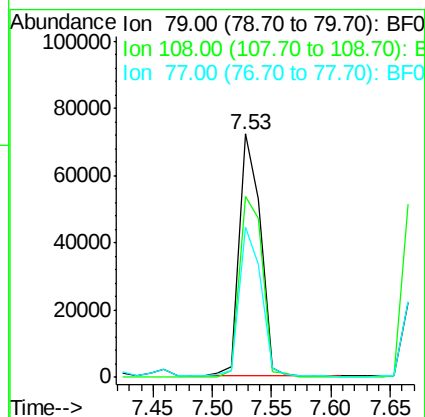
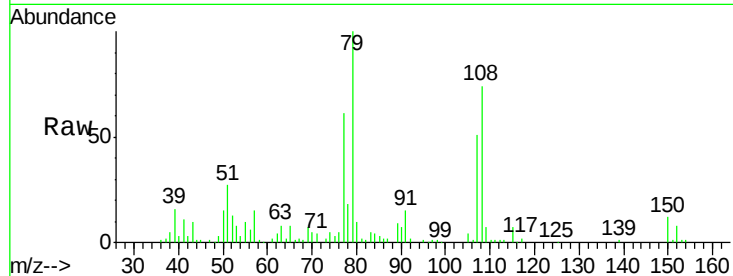




#15
Benzyl Alcohol
Concen: 25.22 ng
RT: 7.53 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

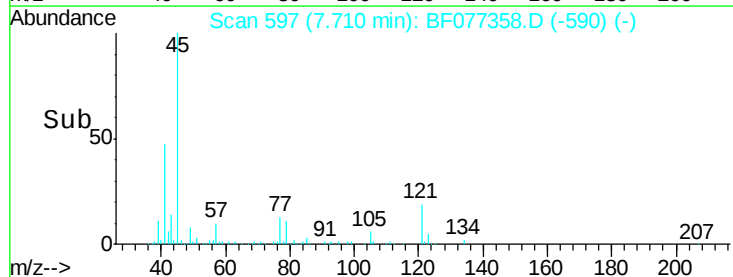
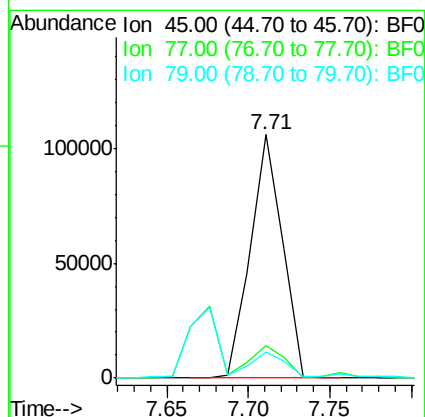
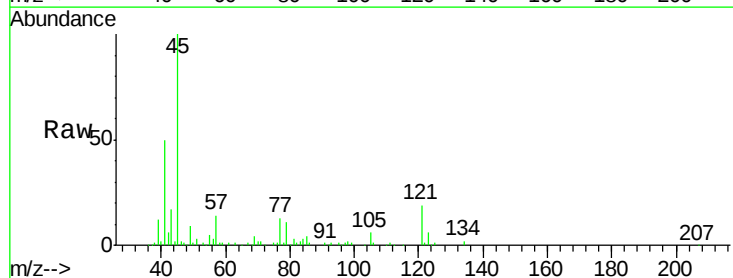
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MS

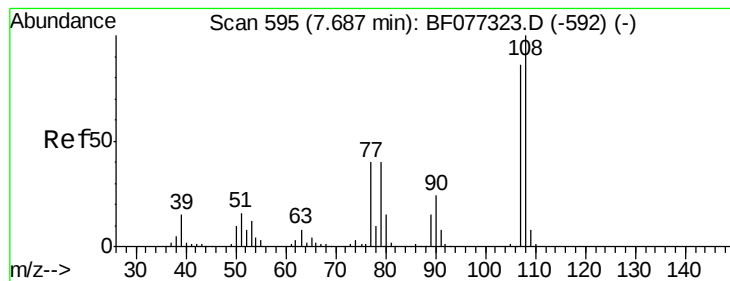
Tgt Ion: 79 Resp: 90458
Ion Ratio Lower Upper
79 100
108 74.2 62.0 93.0
77 61.4 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.22 ng
RT: 7.71 min Scan# 597
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion: 45 Resp: 144193
Ion Ratio Lower Upper
45 100
77 13.3 0.0 32.7
79 10.9 0.0 30.0





#17

2-Methylphenol

Concen: 25.83 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

Tgt Ion:107 Resp: 87456

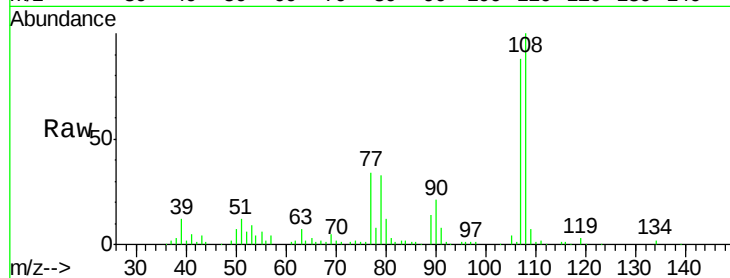
Ion Ratio Lower Upper

107 100

108 113.8 92.6 138.8

77 38.7 37.4 56.0

79 37.6 36.8 55.2

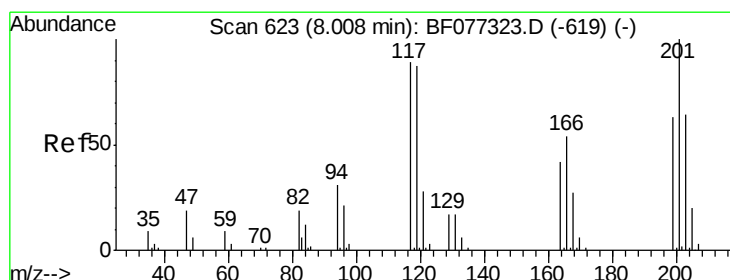
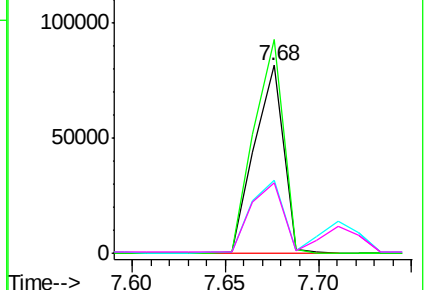
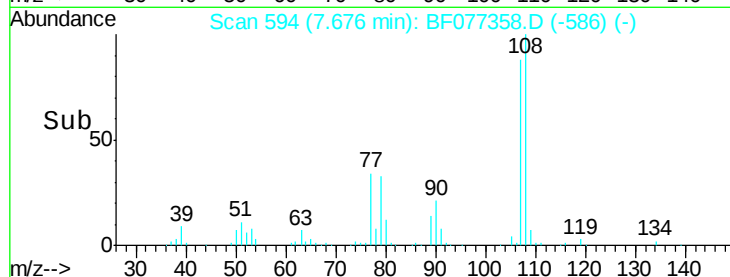


Abundance Ion 107.00 (106.70 to 107.70): E

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: 27.89 ng

RT: 7.98 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

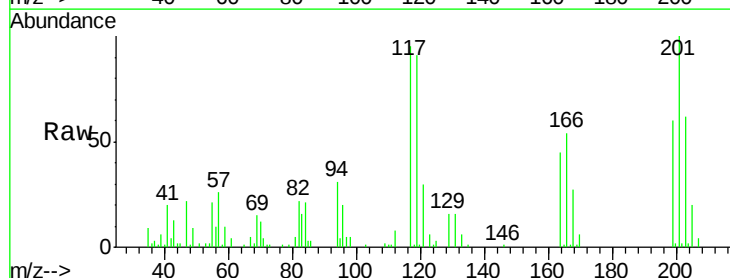
Tgt Ion:117 Resp: 44894

Ion Ratio Lower Upper

117 100

119 95.6 78.4 117.6

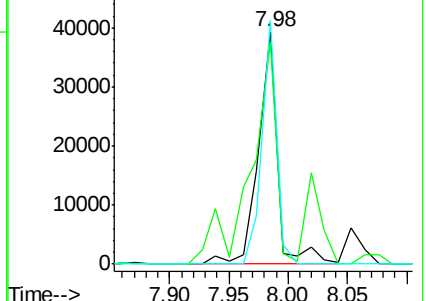
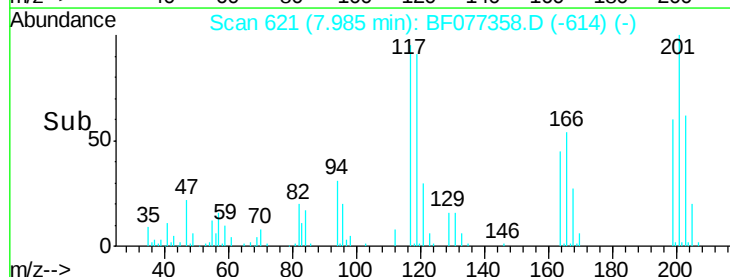
201 104.8 90.1 135.1

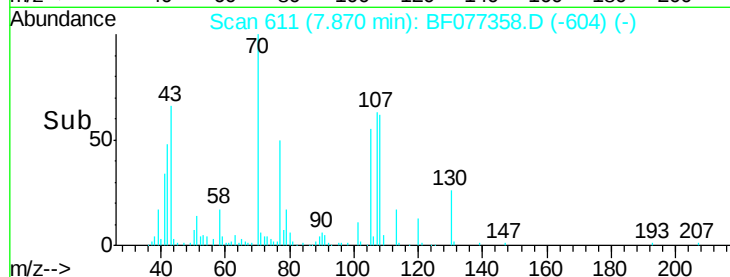
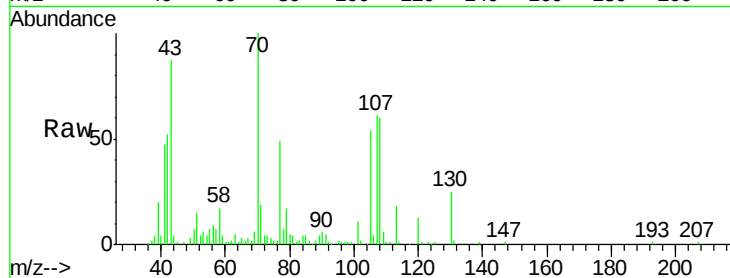
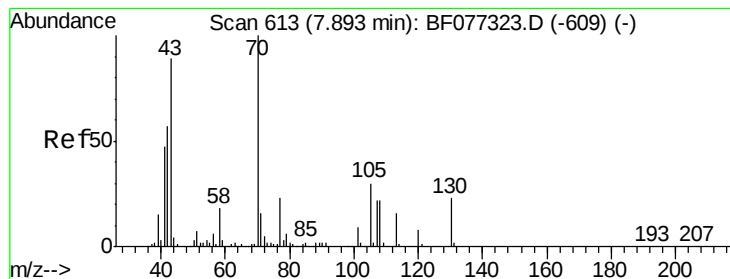


Abundance Ion 117.00 (116.70 to 117.70): E

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: 23.40 ng

RT: 7.87 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

Tgt Ion: 70 Resp: 76966

Ion Ratio Lower Upper

70 100

42 51.9 45.5 68.3

101 10.6 7.5 11.3

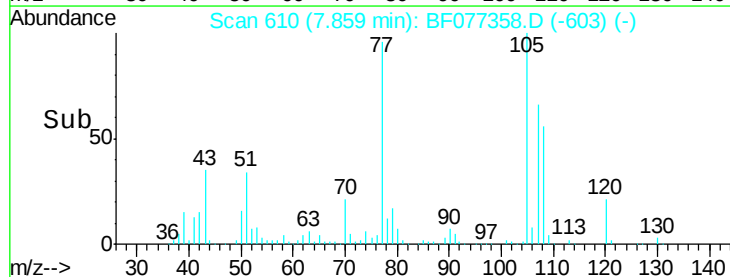
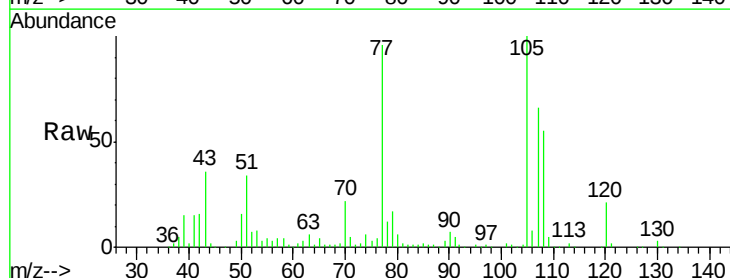
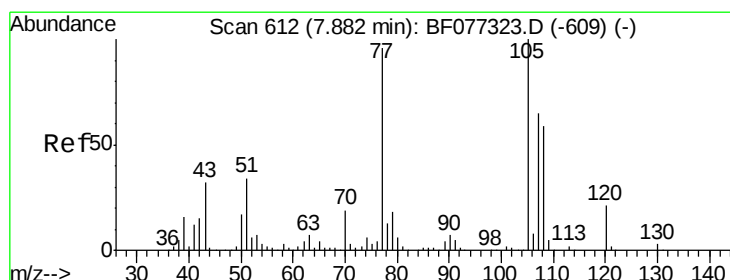
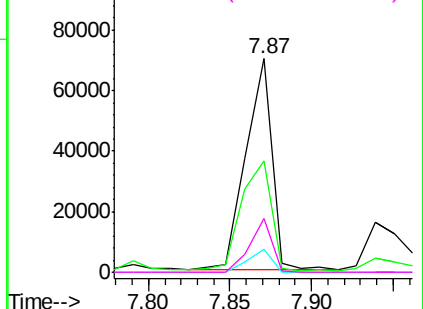
130 24.9 18.2 27.2

Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 26.05 ng

RT: 7.86 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Tgt Ion: 107 Resp: 114823

Ion Ratio Lower Upper

107 100

108 83.7 70.6 110.6

77 145.5 126.5 166.5

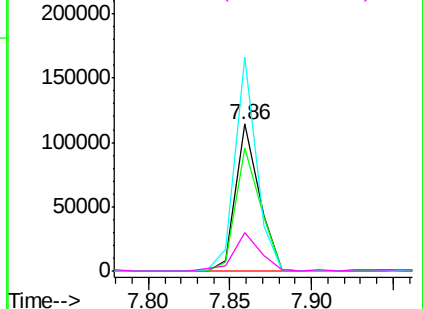
79 26.3 8.3 48.3

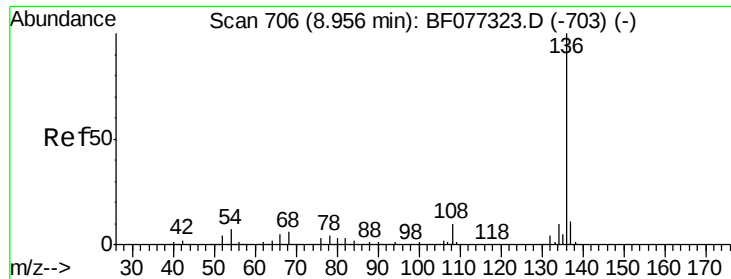
Abundance Ion 107.00 (106.70 to 107.70): E

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

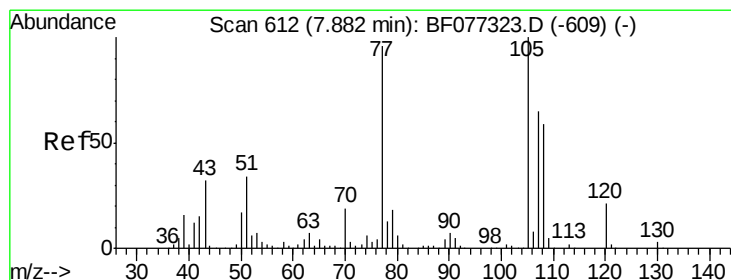
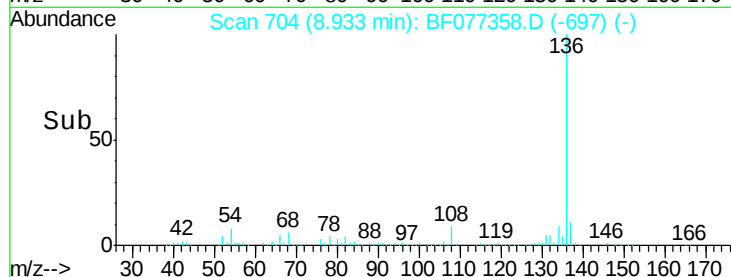
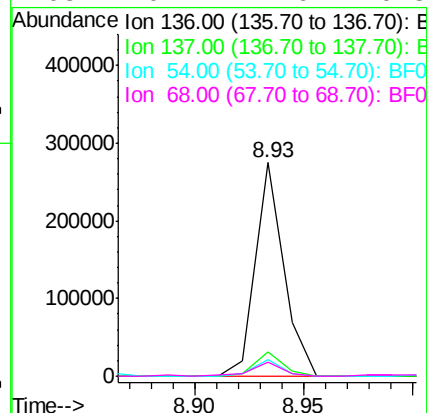
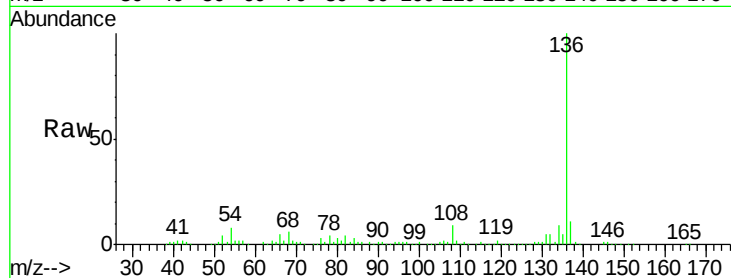




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.93 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

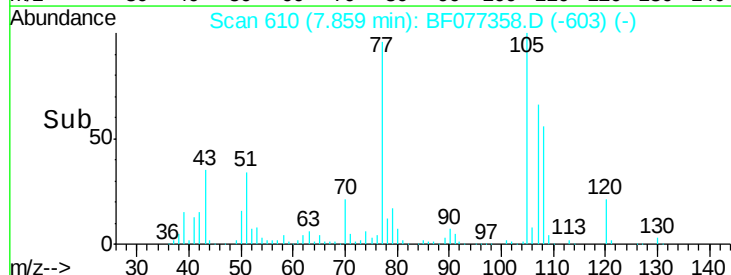
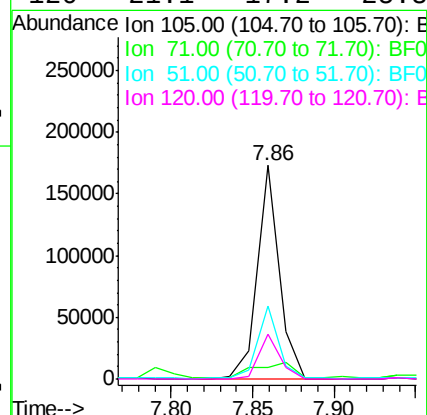
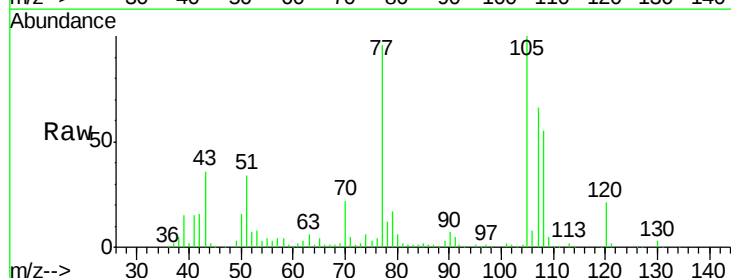
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MS

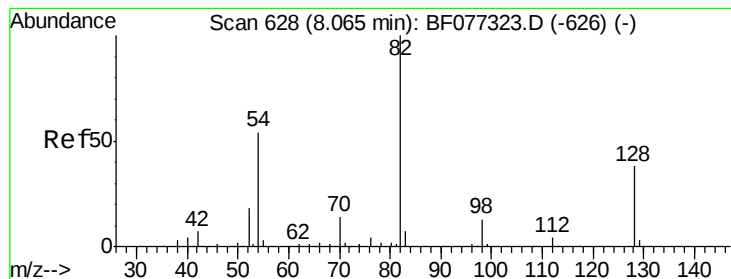
Tgt Ion:	136	Resp:	249672
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.8	5.8	8.6
68	6.4	4.6	6.8



#22
Acetophenone
Concen: 27.63 ng
RT: 7.86 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion:	105	Resp:	162354
Ion	Ratio	Lower	Upper
105	100		
71	5.5	2.5	3.7#
51	34.1	27.4	41.2
120	21.1	17.2	25.8





#23

Nitrobenzene-d5

Concen: 57.63 ng

RT: 8.04 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

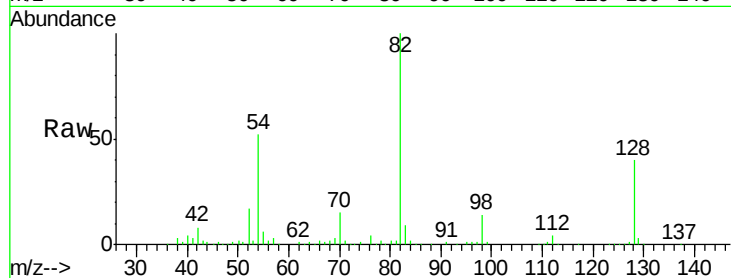
Tgt Ion: 82 Resp: 207794

Ion Ratio Lower Upper

82 100

128 39.8 30.7 46.1

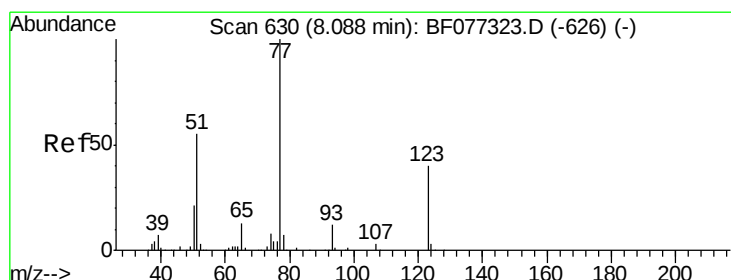
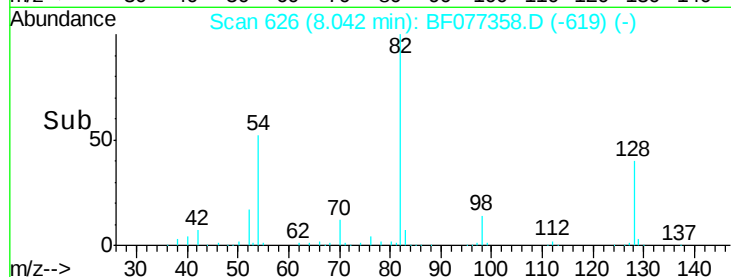
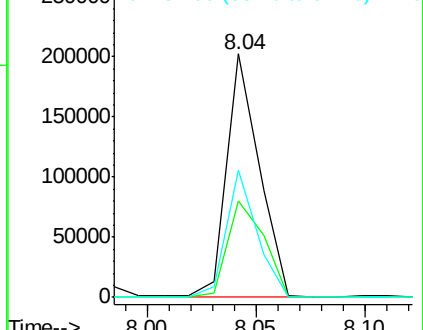
54 52.4 43.1 64.7



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: 27.73 ng

RT: 8.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

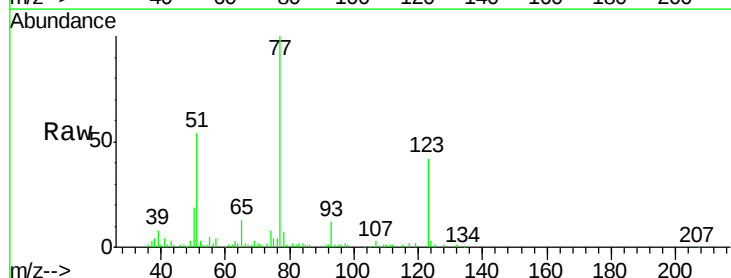
Tgt Ion: 77 Resp: 107759

Ion Ratio Lower Upper

77 100

123 41.5 31.7 47.5

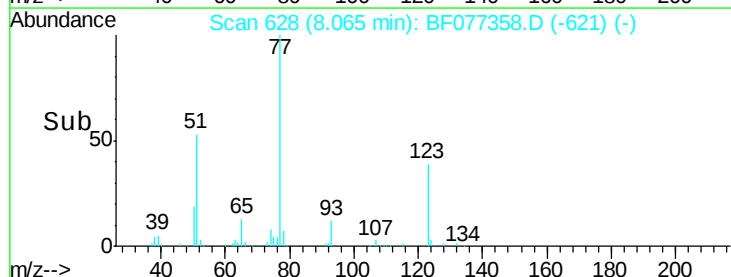
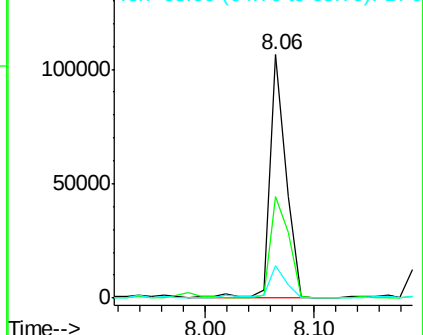
65 13.4 10.7 16.1

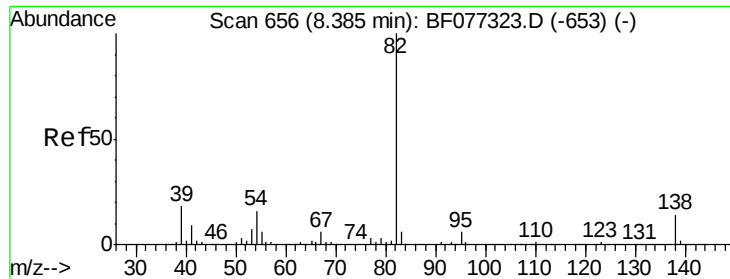


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 26.30 ng

RT: 8.37 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

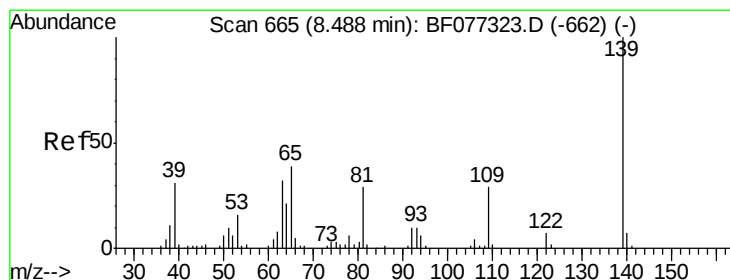
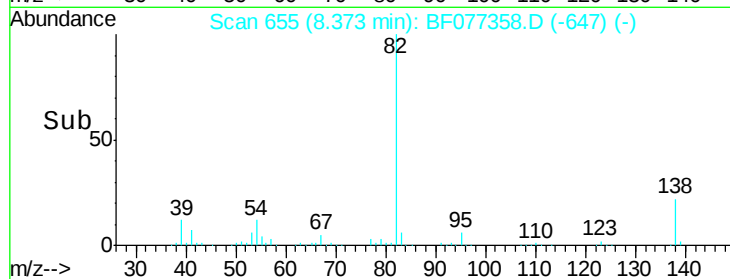
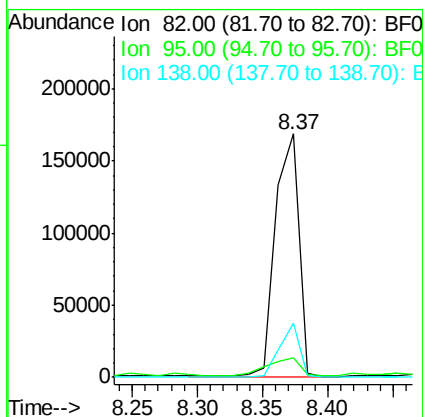
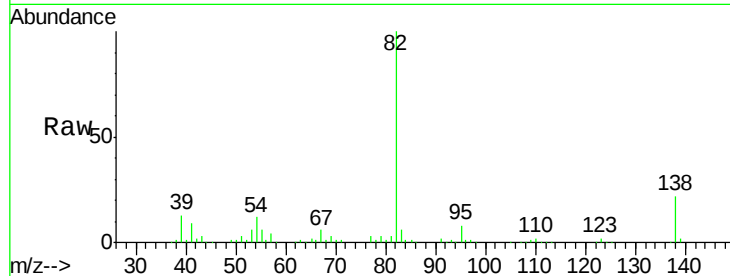
Tgt Ion: 82 Resp: 213719

Ion Ratio Lower Upper

82 100

95 8.0 5.0 7.6#

138 22.1 11.5 17.3#



#26

2-Nitrophenol

Concen: 34.96 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

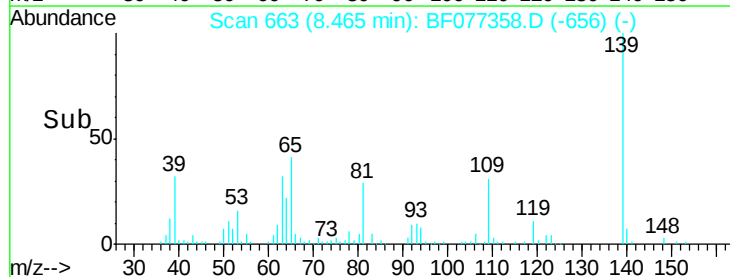
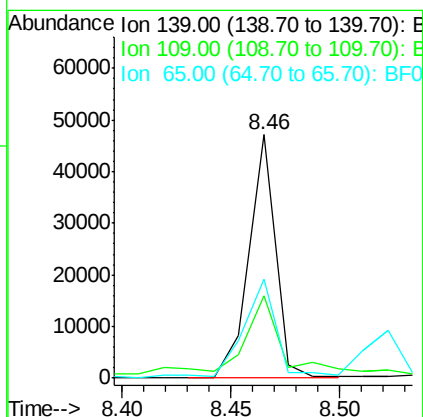
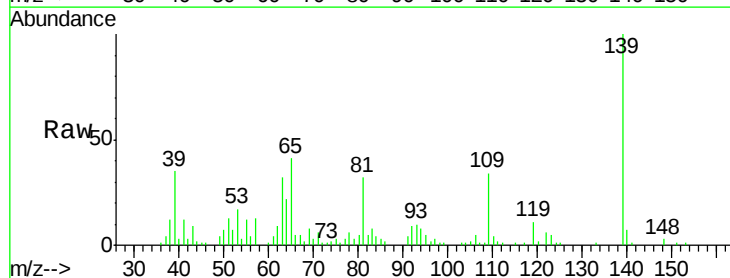
Tgt Ion: 139 Resp: 40325

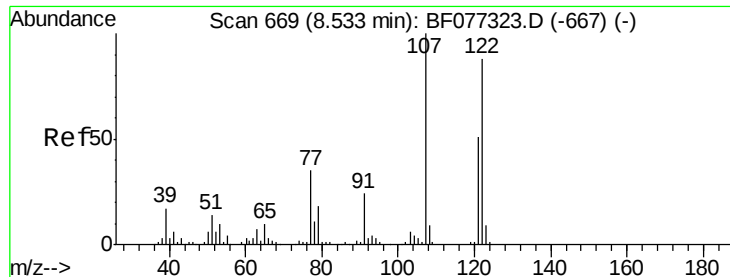
Ion Ratio Lower Upper

139 100

109 33.9 22.9 34.3

65 40.6 31.4 47.2

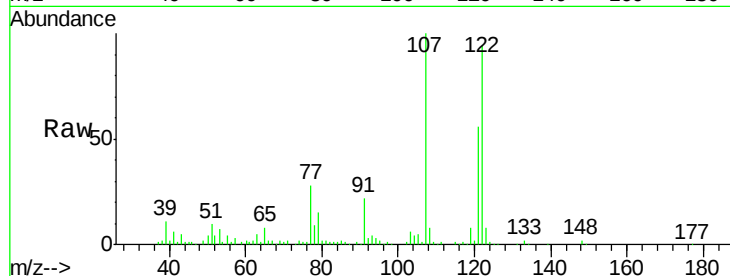




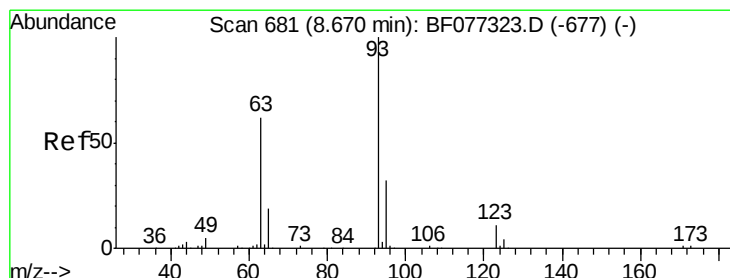
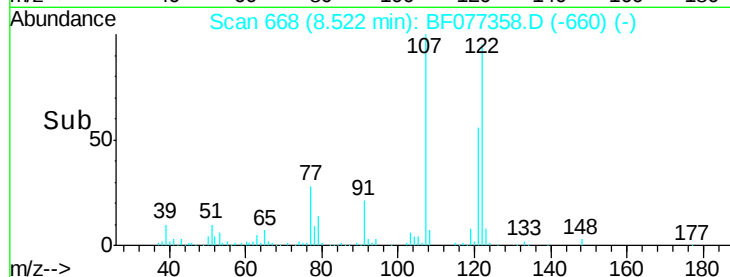
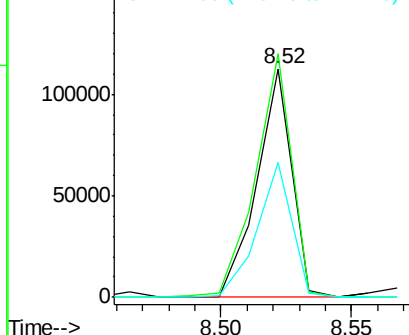
#27
2,4-Dimethylphenol
Concen: 28.17 ng
RT: 8.52 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

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

Tgt Ion:122 Resp: 104266
Ion Ratio Lower Upper
122 100
107 106.7 90.6 135.8
121 59.3 46.2 69.2

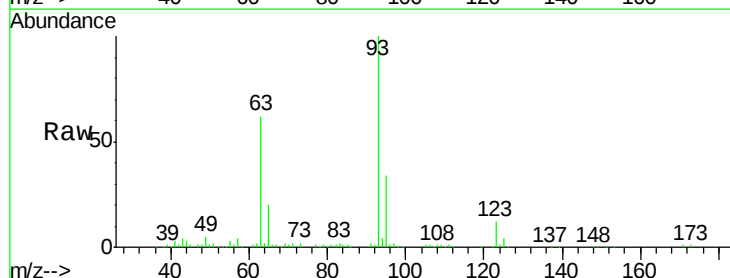


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

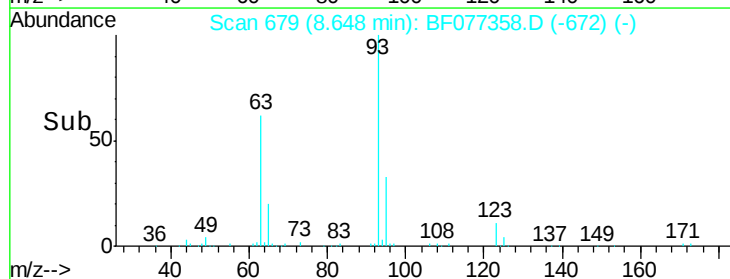
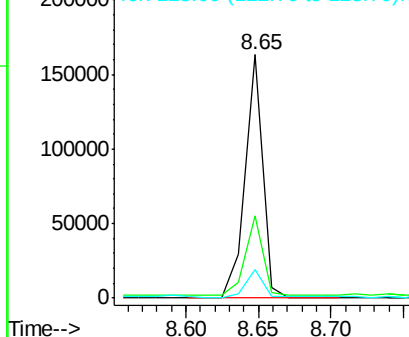


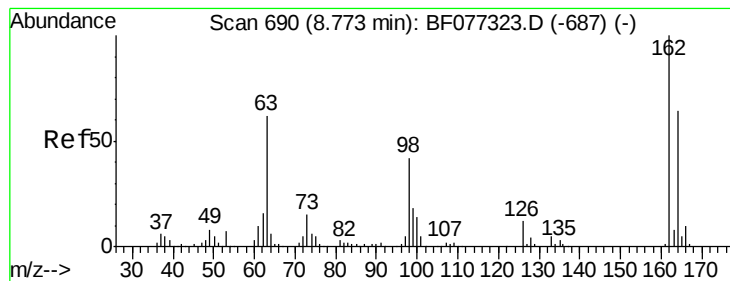
#28
bis(2-Chloroethoxy)methane
Concen: 26.22 ng
RT: 8.65 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion: 93 Resp: 137081
Ion Ratio Lower Upper
93 100
95 33.8 25.9 38.9
123 11.8 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

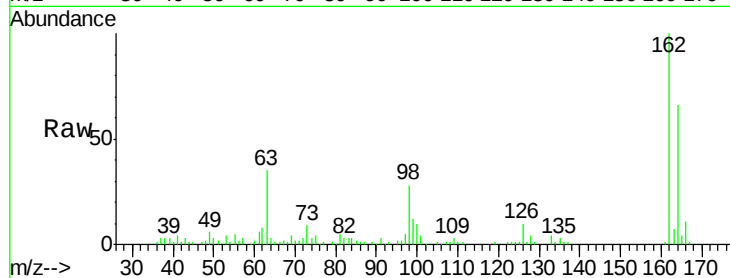




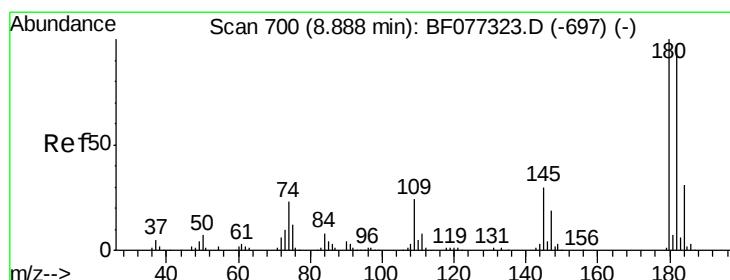
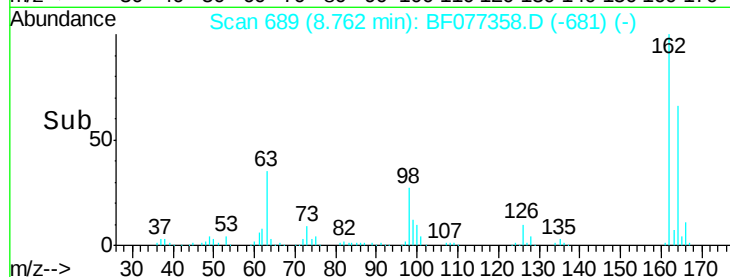
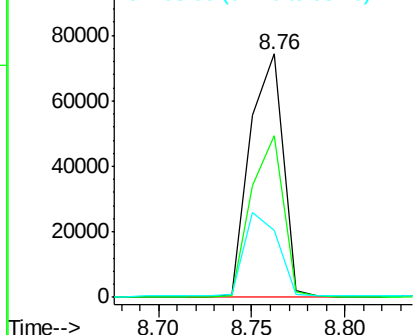
#29
 2,4-Dichlorophenol
 Concen: 28.76 ng
 RT: 8.76 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

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

Tgt Ion:162 Resp: 91502
 Ion Ratio Lower Upper
 162 100
 164 66.2 43.7 83.7
 98 27.6 21.7 61.7

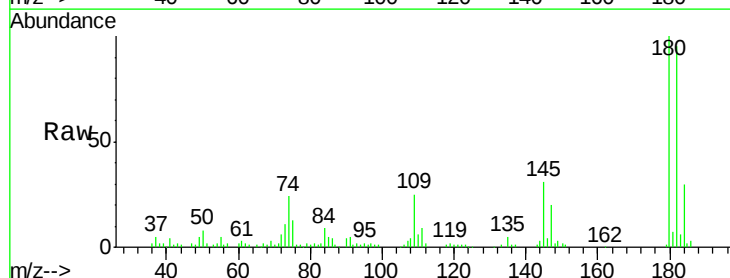


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

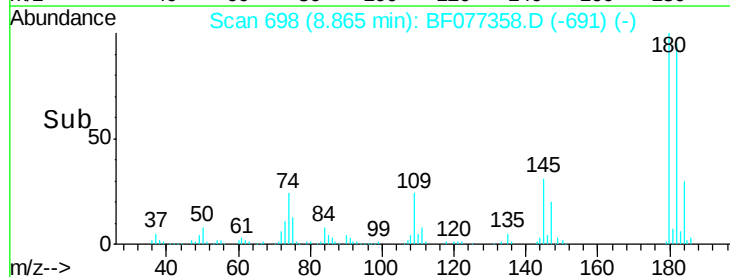
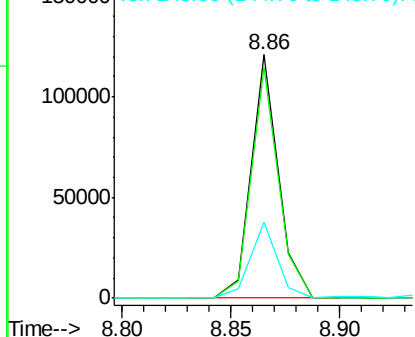


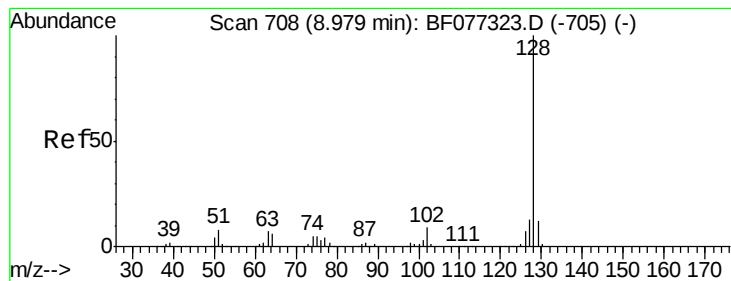
#30
 1,2,4-Trichlorobenzene
 Concen: 25.85 ng
 RT: 8.86 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion:180 Resp: 104424
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.8 116.8
 145 31.3 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: 28.27 ng

RT: 8.96 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

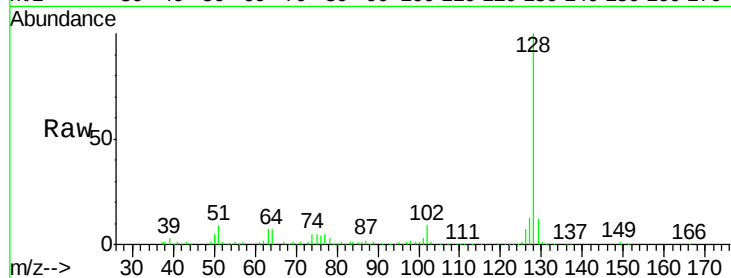
Tgt Ion:128 Resp: 353145

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

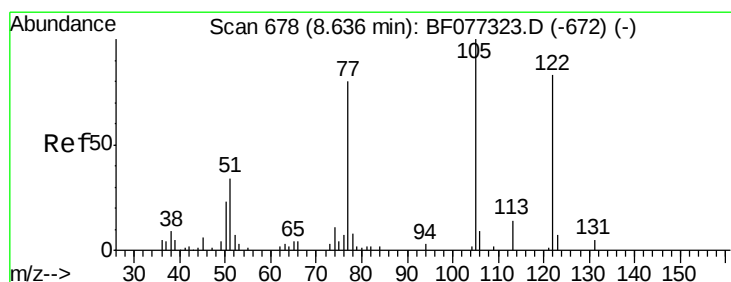
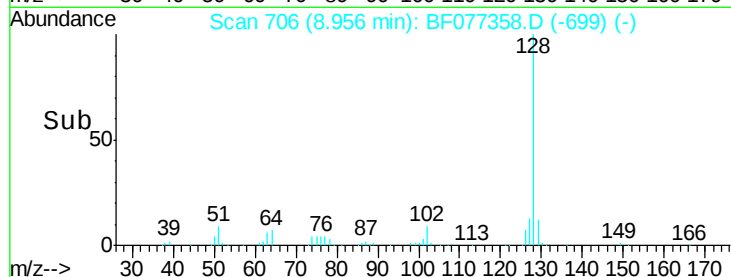
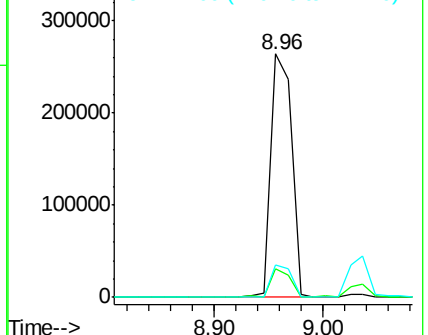
127 13.3 10.5 15.7



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: 23.93 ng

RT: 8.59 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

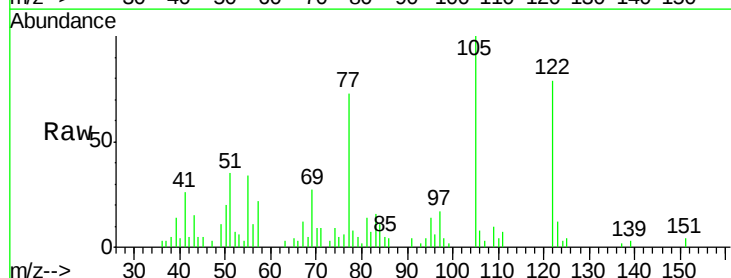
Tgt Ion:122 Resp: 21496

Ion Ratio Lower Upper

122 100

105 127.1 98.4 138.4

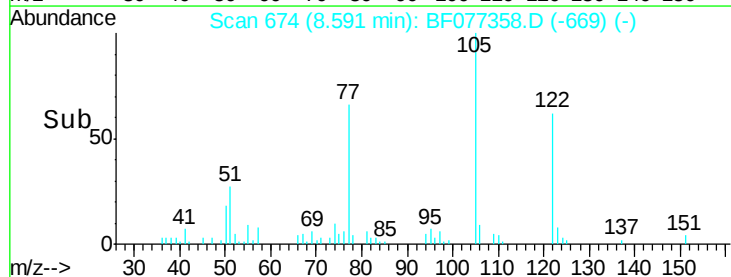
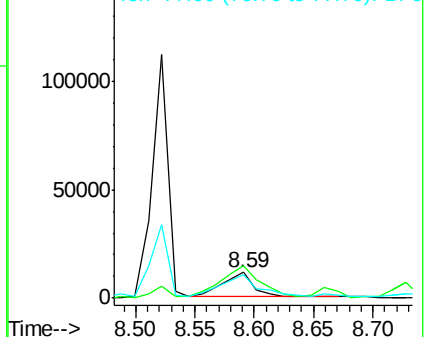
77 93.2 75.4 115.4

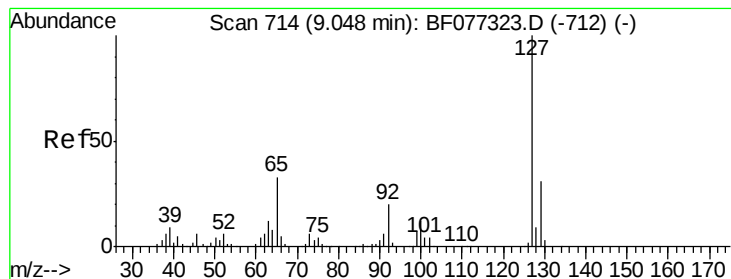


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 11.23 ng

RT: 9.04 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

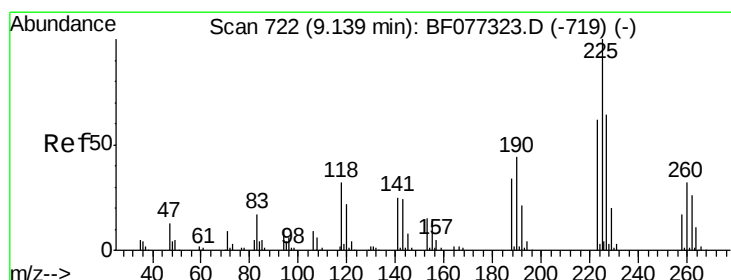
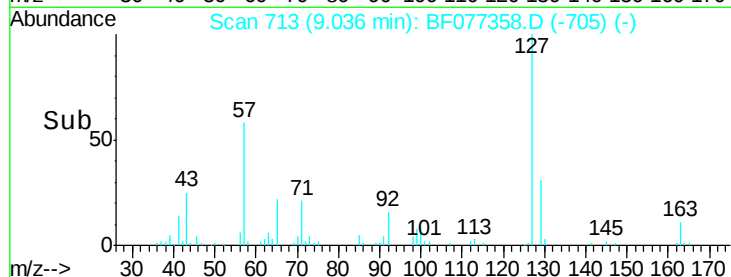
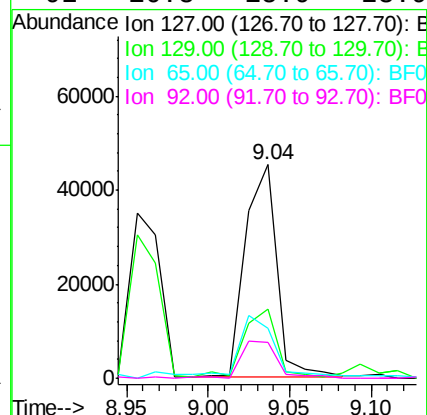
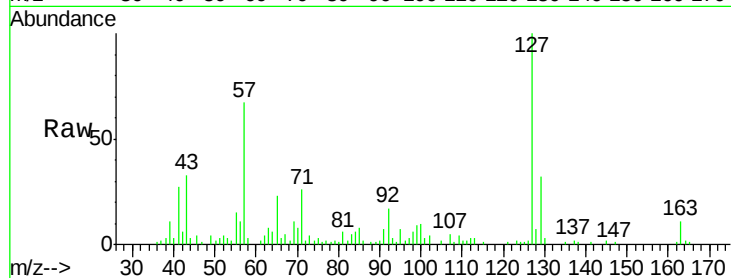
Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

Tgt Ion:	127	Resp:	59961
Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	23.1	26.4	39.6
92	16.8	15.9	23.9



#34

Hexachlorobutadiene

Concen: 24.52 ng

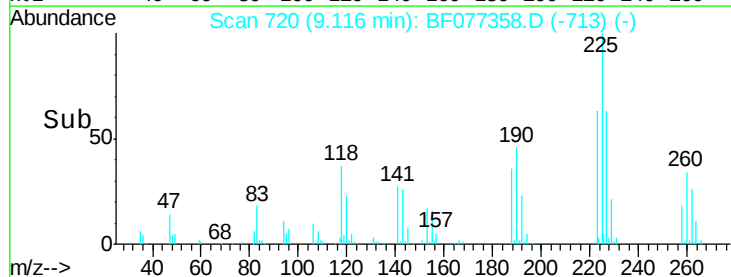
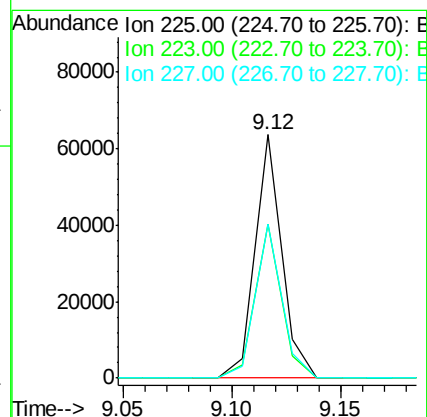
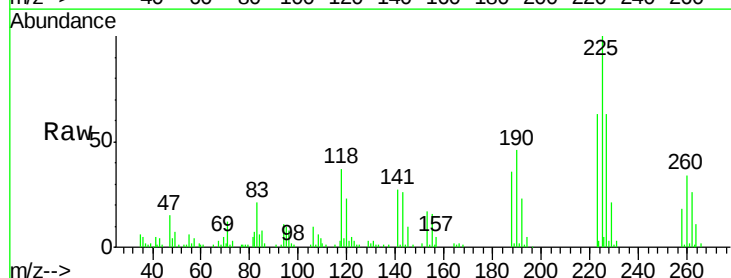
RT: 9.12 min Scan# 720

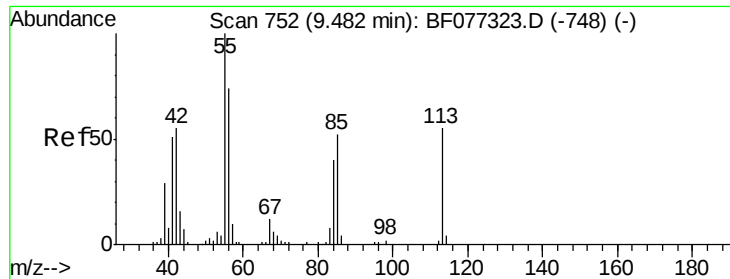
Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Tgt Ion:	225	Resp:	54142
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	63.5	51.0	76.6

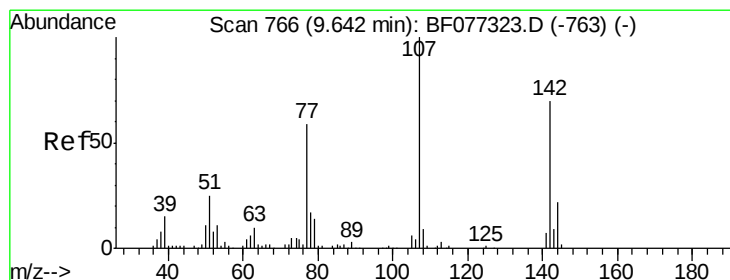
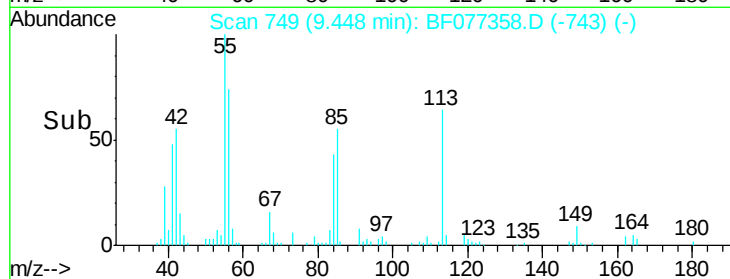
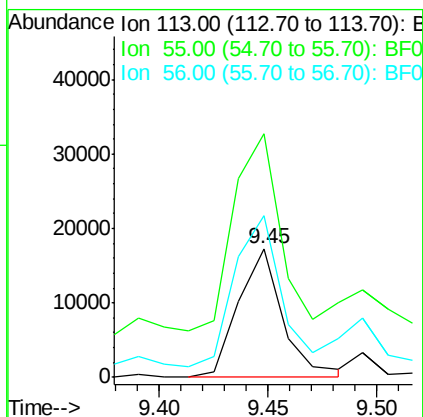
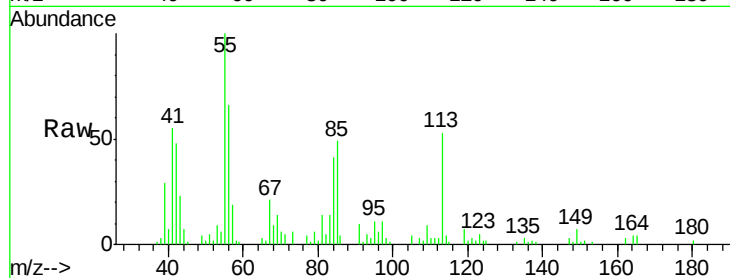




#35
 Caprolactam
 Concen: 25.32 ng
 RT: 9.45 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

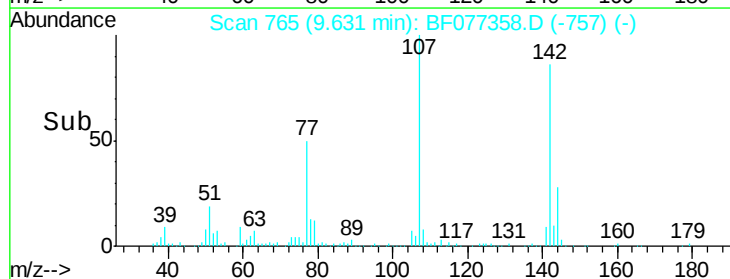
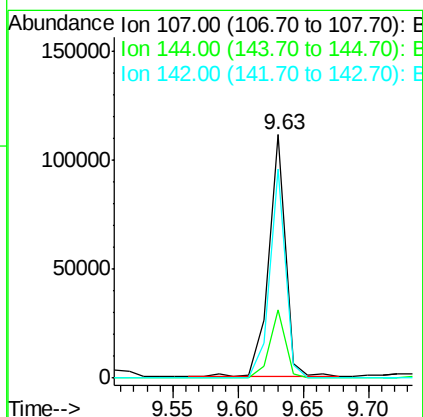
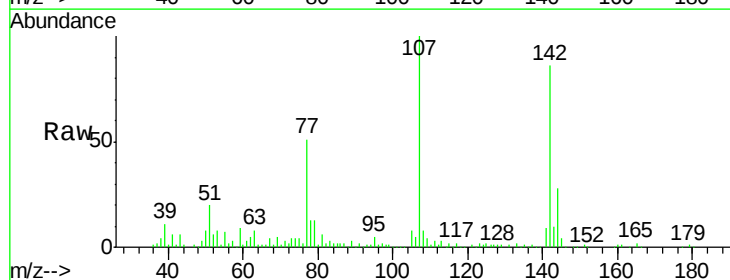
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MS

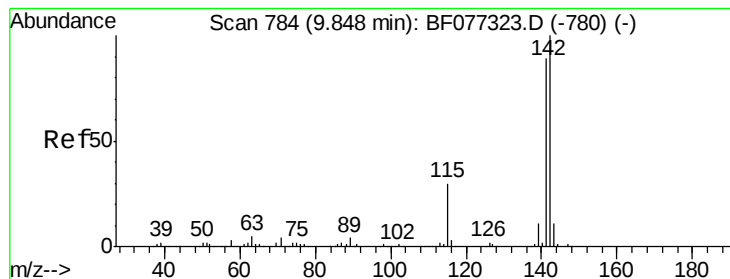
Tgt Ion:113 Resp: 24783
 Ion Ratio Lower Upper
 113 100
 55 189.3 163.0 203.0
 56 125.2 115.6 155.6



#36
 4-Chloro-3-methylphenol
 Concen: 29.15 ng
 RT: 9.63 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion:107 Resp: 102034
 Ion Ratio Lower Upper
 107 100
 144 28.3 17.8 26.6#
 142 85.8 55.7 83.5#





#37

2-Methylnaphthalene

Concen: 28.20 ng

RT: 9.82 min Scan# 782

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

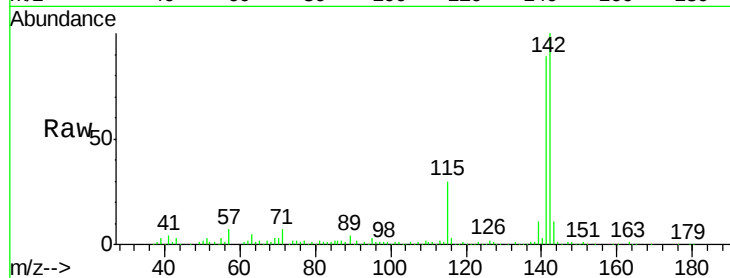
Tgt Ion:142 Resp: 253380

Ion Ratio Lower Upper

142 100

141 88.7 71.2 106.8

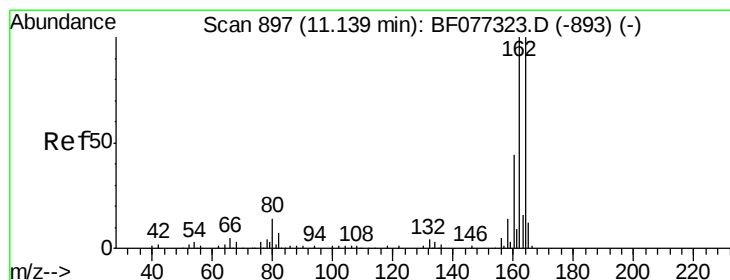
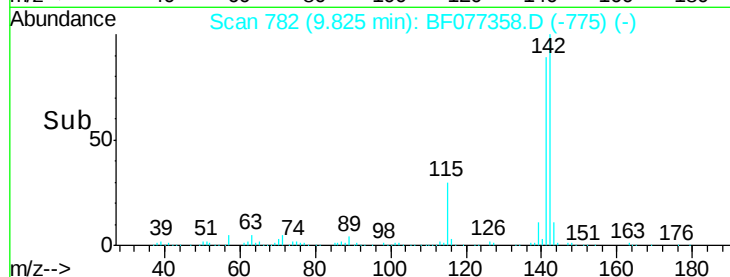
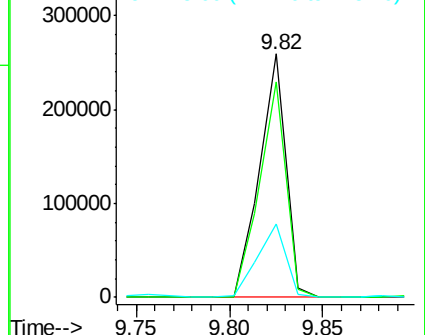
115 30.0 23.8 35.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

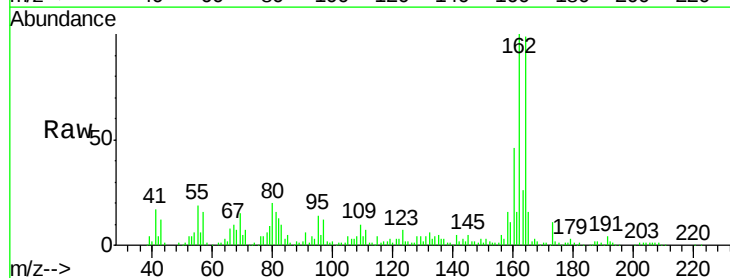
Tgt Ion:164 Resp: 126927

Ion Ratio Lower Upper

164 100

162 101.1 80.4 120.6

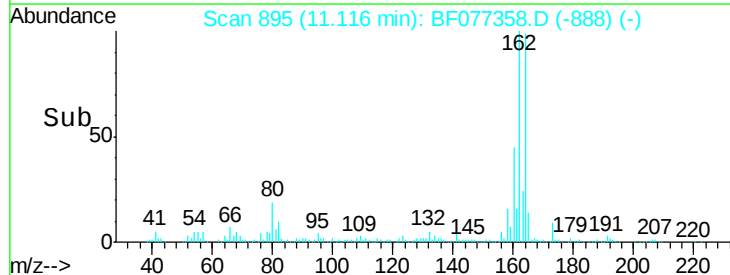
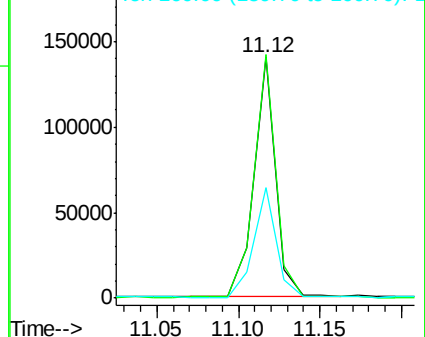
160 46.1 35.3 52.9

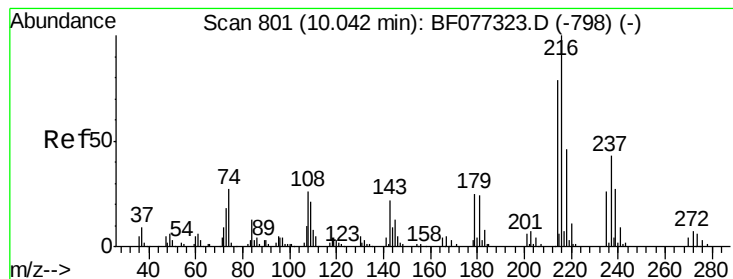


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 26.48 ng

RT: 10.03 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

Tgt Ion:216 Resp: 97053

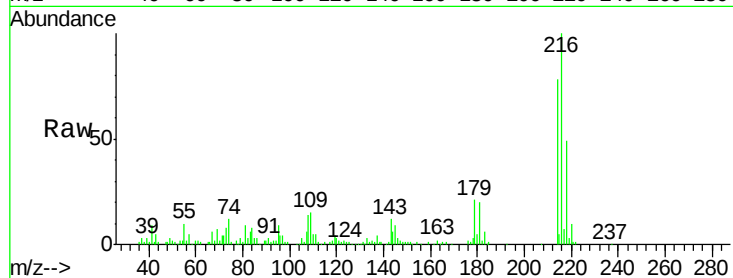
Ion Ratio Lower Upper

216 100

214 78.7 62.5 93.7

179 25.9 17.6 26.4

108 20.5 16.6 25.0

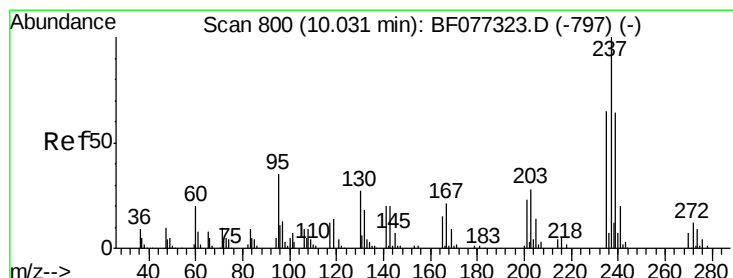
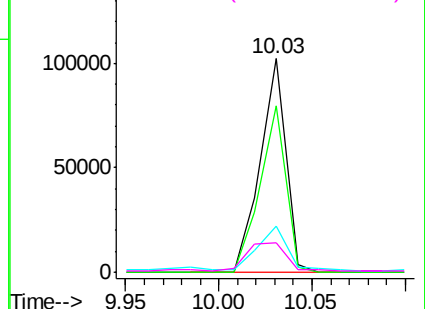
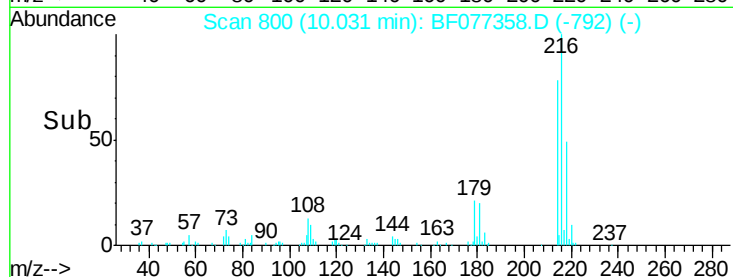


Abundance Ion 216.00 (215.70 to 216.70): E

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: 13.29 ng

RT: 10.02 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

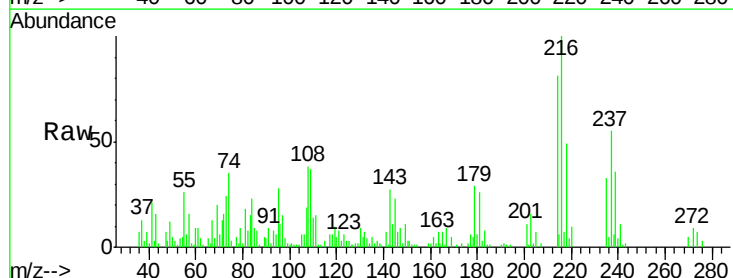
Tgt Ion:237 Resp: 24212

Ion Ratio Lower Upper

237 100

235 59.8 44.5 84.5

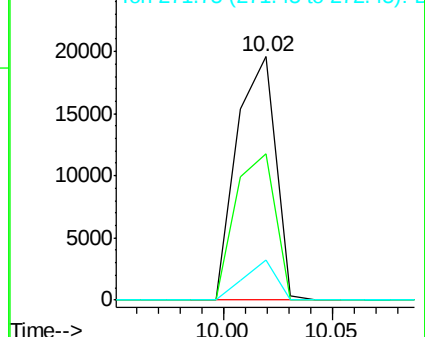
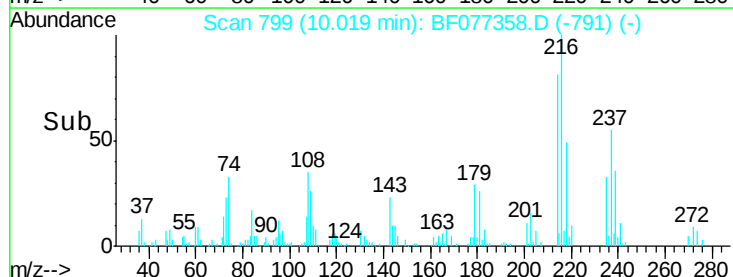
272 16.3 0.0 32.2

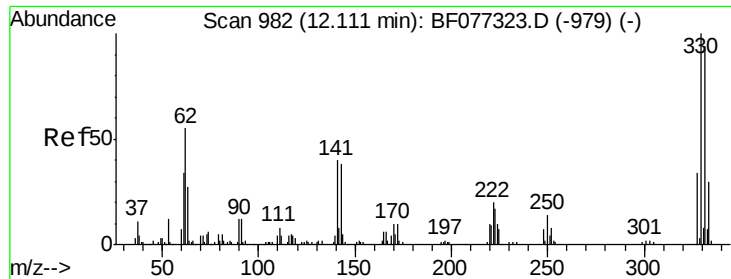


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

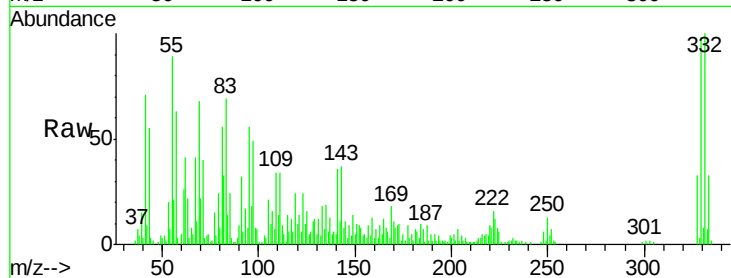




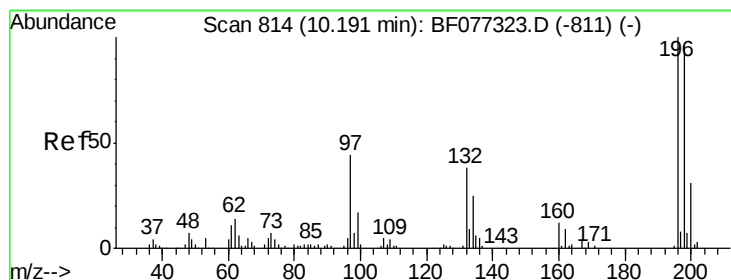
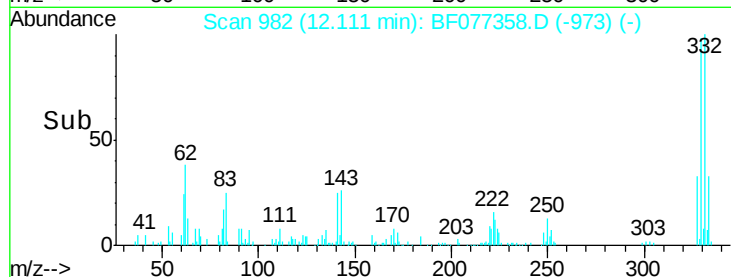
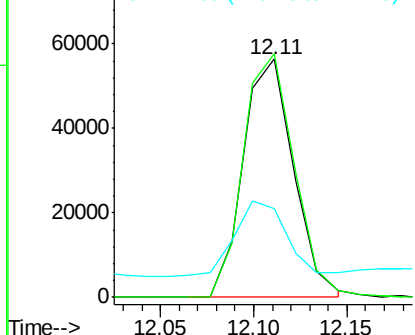
#41
 2,4,6-Tribromophenol
 Concen: 89.81 ng
 RT: 12.11 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

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

Tgt Ion:330 Resp: 105715
 Ion Ratio Lower Upper
 330 100
 332 103.0 76.1 114.1
 141 33.6 28.5 42.7

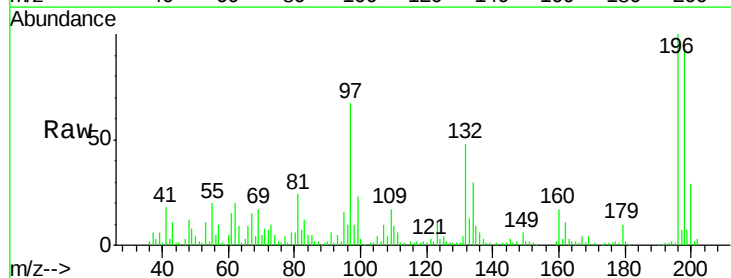


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

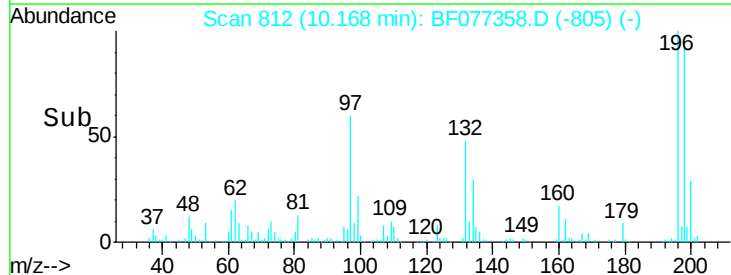
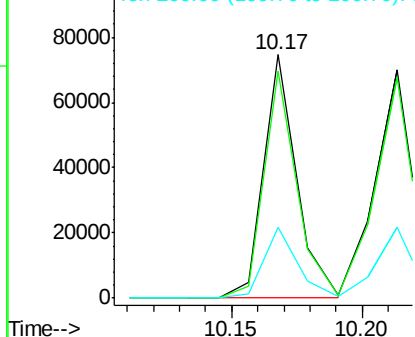


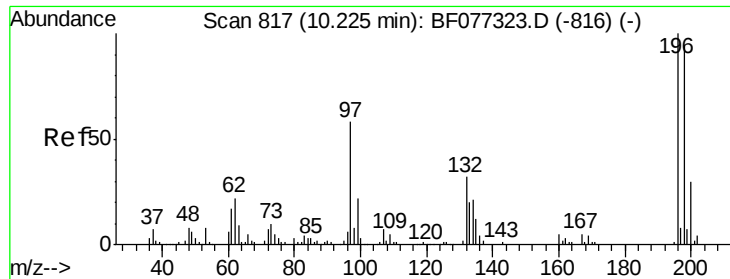
#42
 2,4,6-Trichlorophenol
 Concen: 32.01 ng
 RT: 10.17 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion:196 Resp: 65735
 Ion Ratio Lower Upper
 196 100
 198 93.4 76.7 115.1
 200 29.0 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

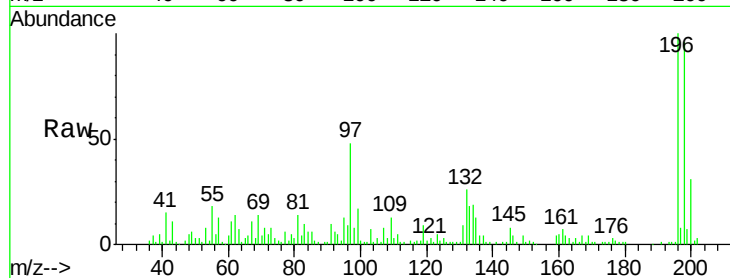




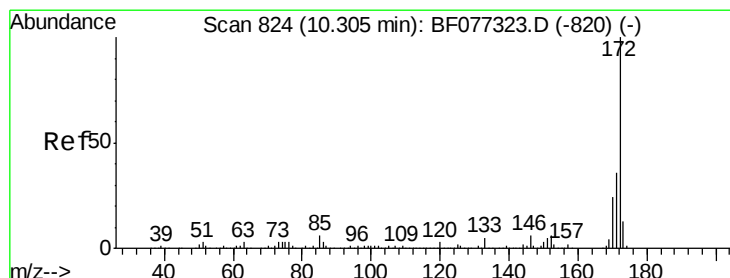
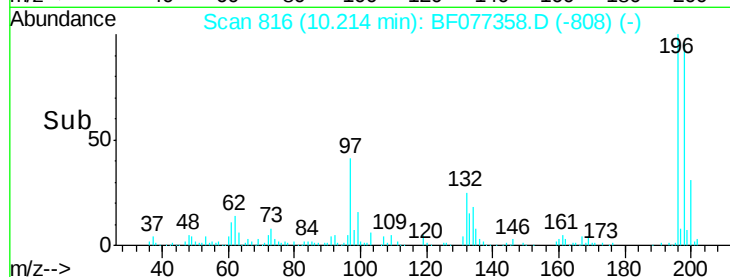
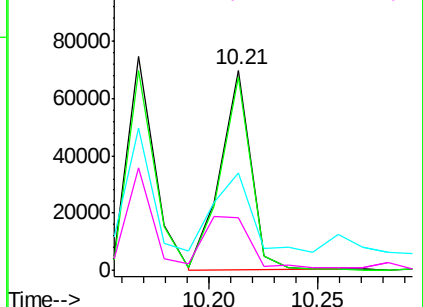
#43
 2,4,5-Trichlorophenol
 Concen: 30.70 ng
 RT: 10.21 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

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

Tgt Ion:196 Resp: 67401
 Ion Ratio Lower Upper
 196 100
 198 96.4 75.1 112.7
 97 48.3 48.8 73.2#
 132 25.9 26.2 39.4#

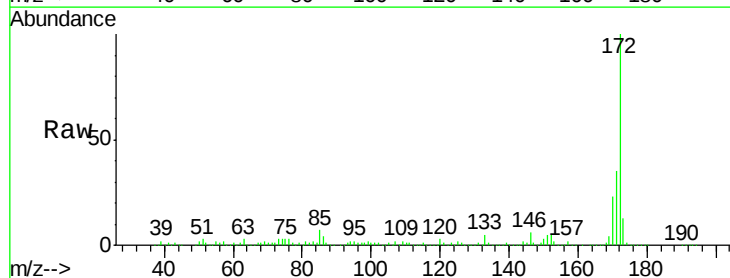


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

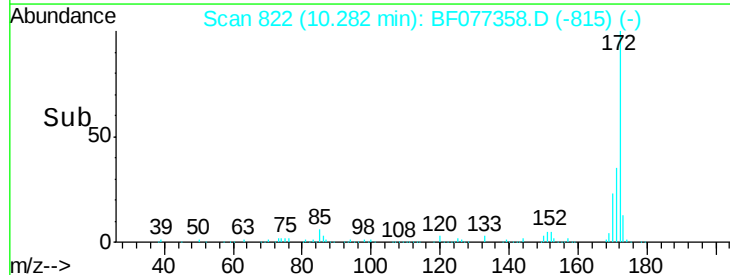
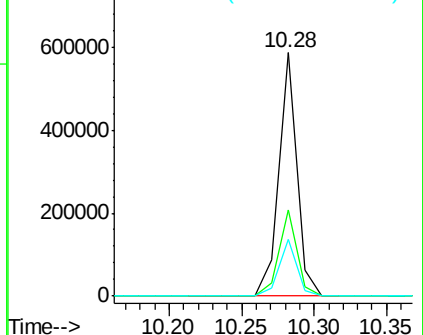


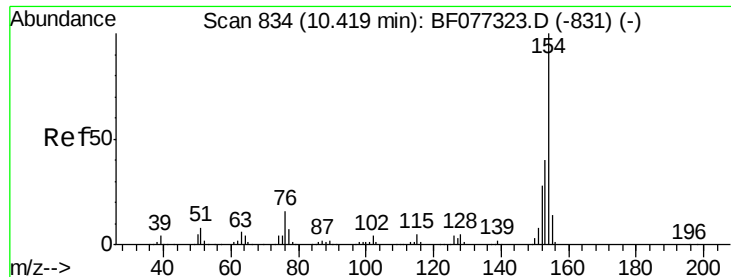
#44
 2-Fluorobiphenyl
 Concen: 60.11 ng
 RT: 10.28 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion:172 Resp: 506107
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.1 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

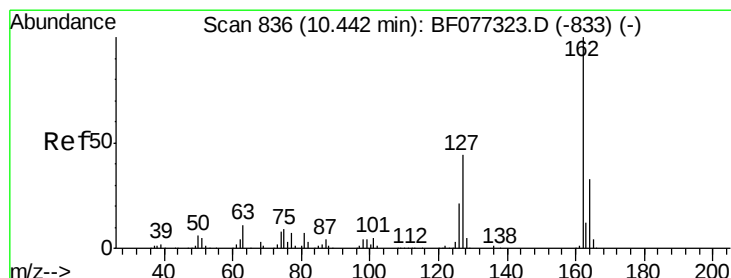
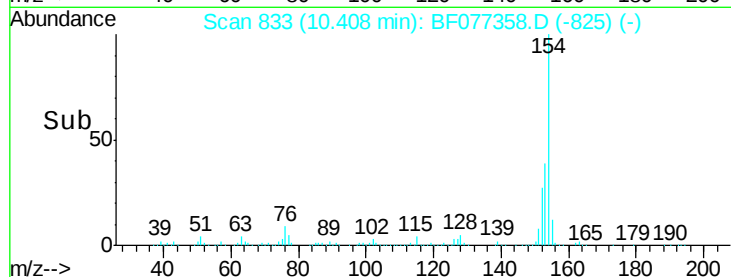
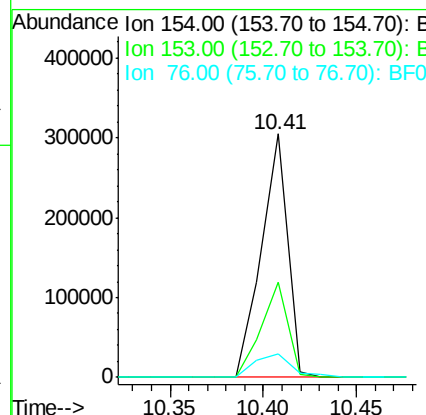
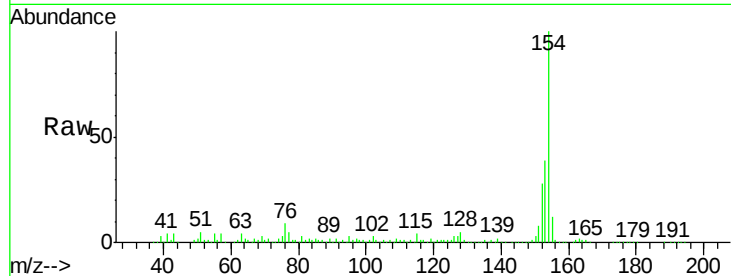




#45
 1,1'-Biphenyl
 Concen: 29.30 ng
 RT: 10.41 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

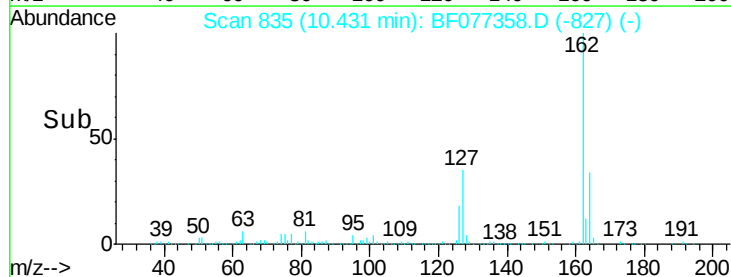
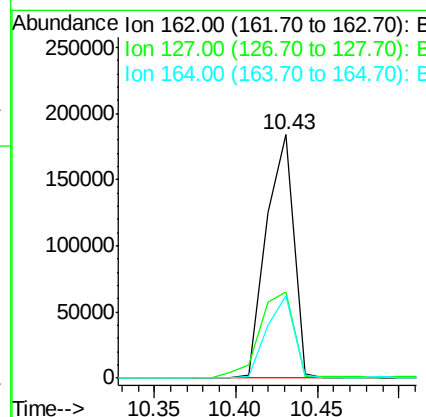
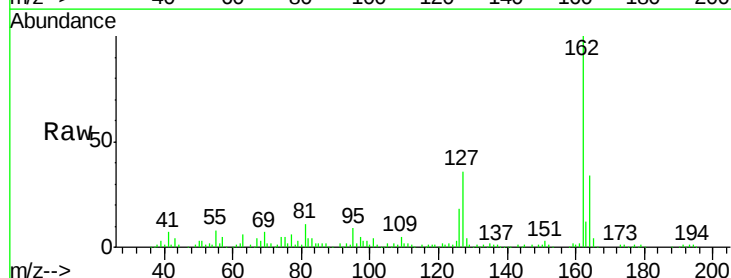
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MS

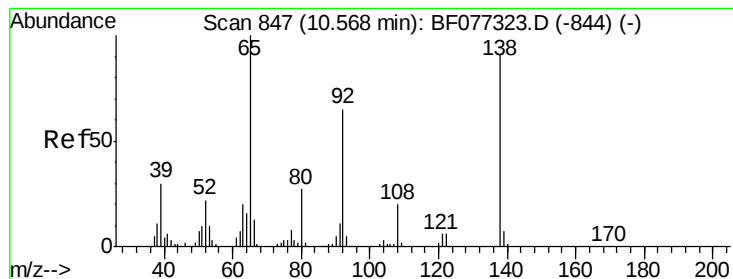
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.5	60.5
76	9.4	0.0	35.9



#46
 2-Chloronaphthalene
 Concen: 28.80 ng
 RT: 10.43 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.6	35.4	53.0
164	34.0	26.2	39.2





#47

2-Nitroaniline

Concen: 31.88 ng

RT: 10.55 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

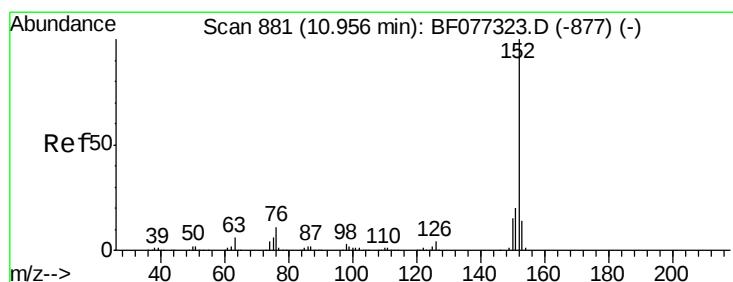
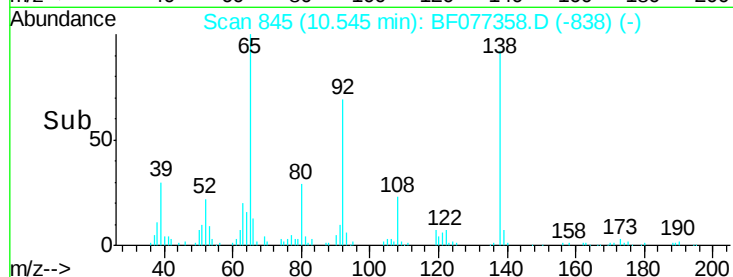
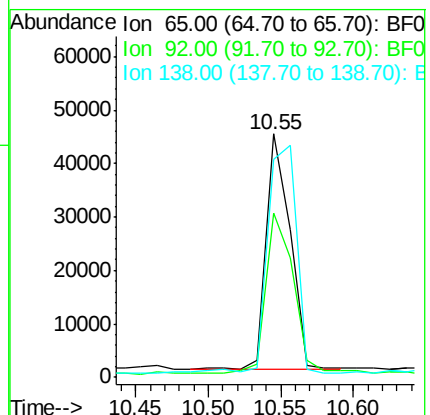
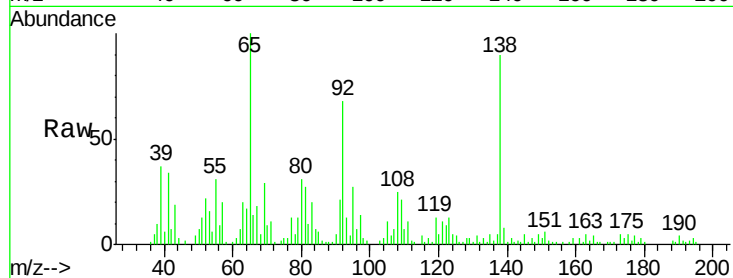
Tgt Ion: 65 Resp: 50438

Ion Ratio Lower Upper

65 100

92 67.7 52.3 78.5

138 89.7 73.2 109.8



#48

Acenaphthylene

Concen: 29.55 ng

RT: 10.95 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

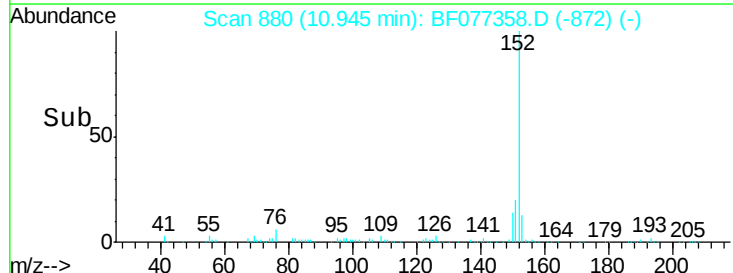
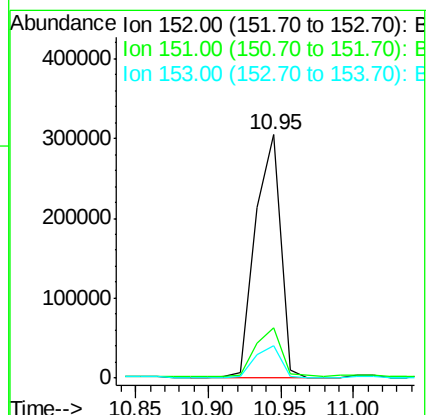
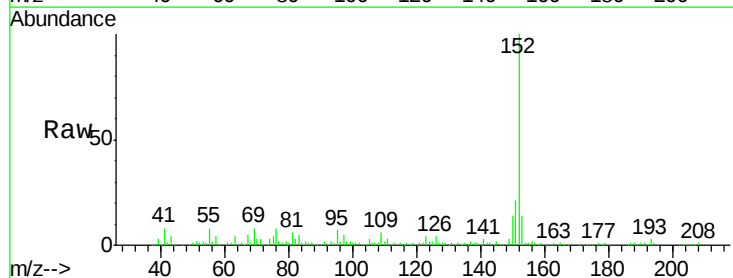
Tgt Ion: 152 Resp: 366255

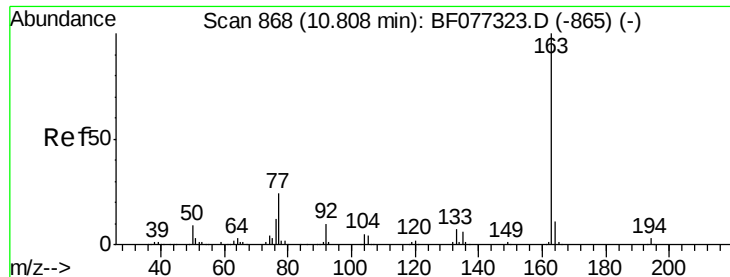
Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

153 13.5 10.9 16.3





#49

Dimethylphthalate

Concen: 33.99 ng

RT: 10.79 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

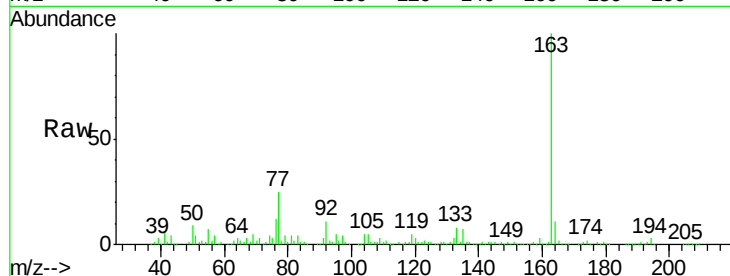
Tgt Ion:163 Resp: 296860

Ion Ratio Lower Upper

163 100

194 3.4 2.6 3.8

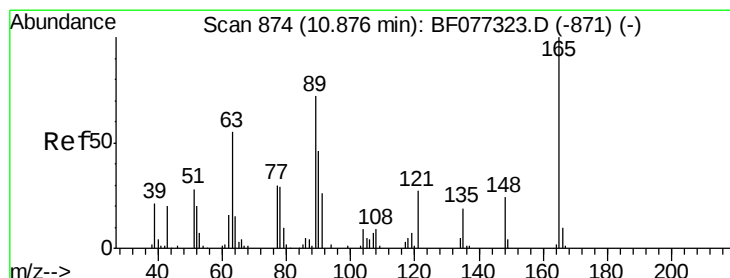
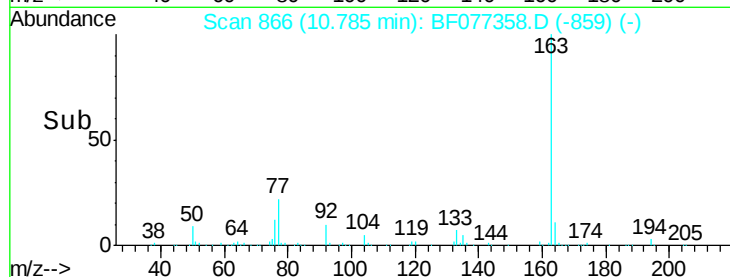
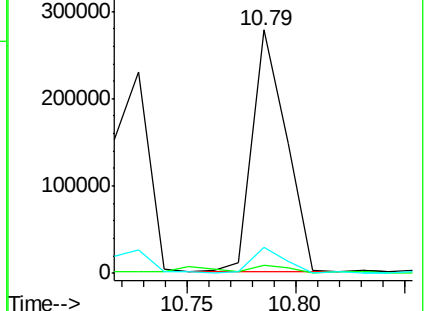
164 10.9 8.4 12.6



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: 33.03 ng

RT: 10.87 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

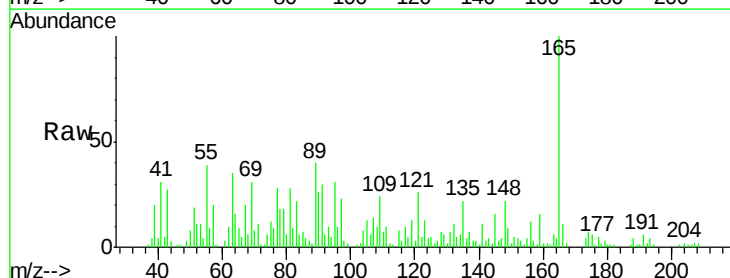
Tgt Ion:165 Resp: 52382

Ion Ratio Lower Upper

165 100

63 34.7 57.2 85.8#

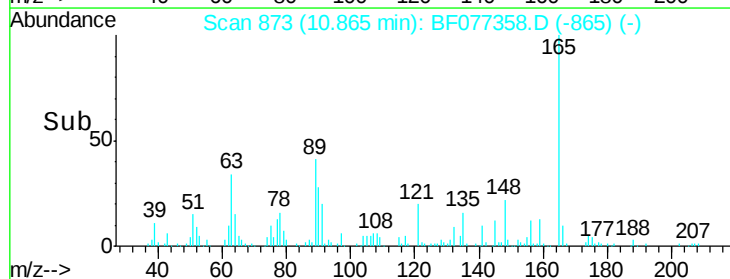
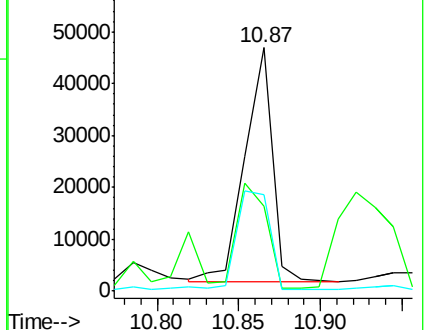
89 39.5 57.8 86.6#

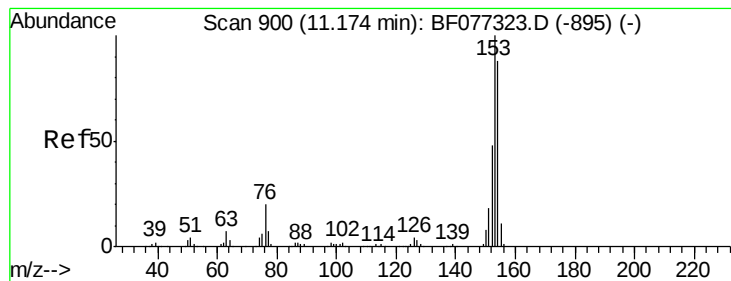


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 28.91 ng

RT: 11.15 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

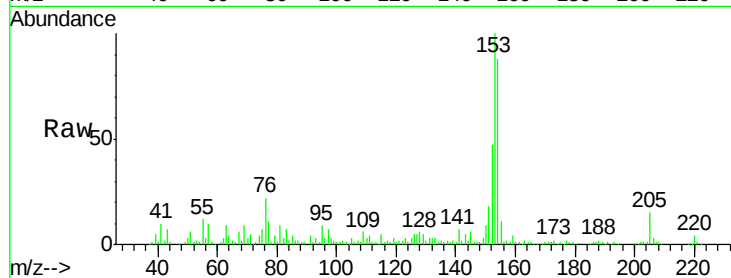
Tgt Ion:154 Resp: 212734

Ion Ratio Lower Upper

154 100

153 113.7 90.9 136.3

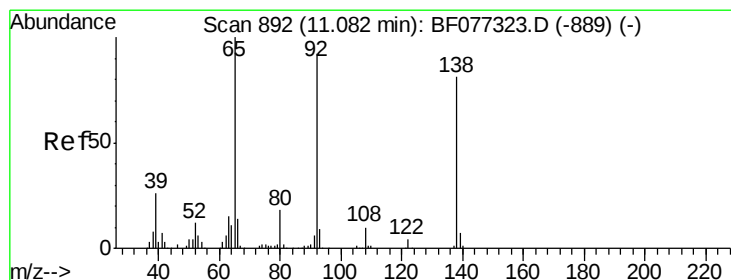
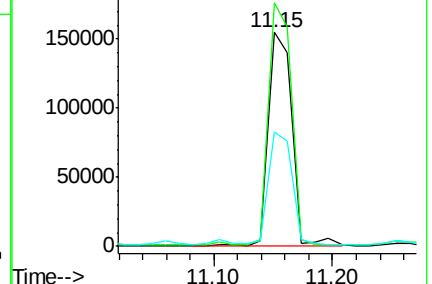
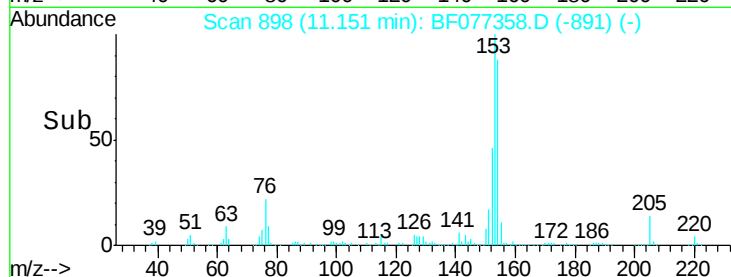
152 53.4 43.5 65.3



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: 26.51 ng

RT: 11.06 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

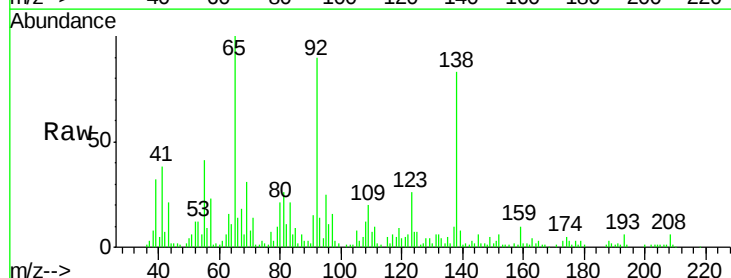
Tgt Ion:138 Resp: 50013

Ion Ratio Lower Upper

138 100

108 14.9 10.2 15.2

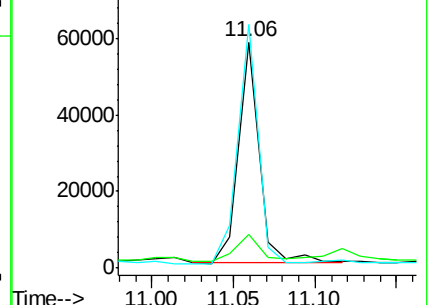
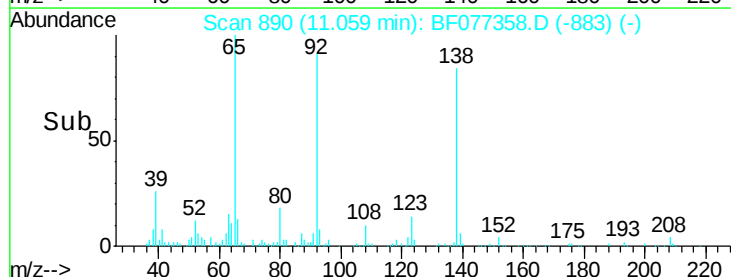
92 107.9 90.9 136.3

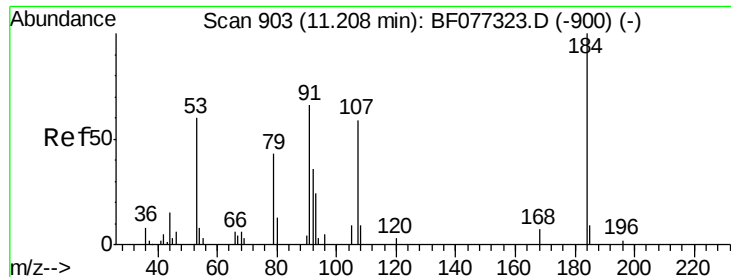


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

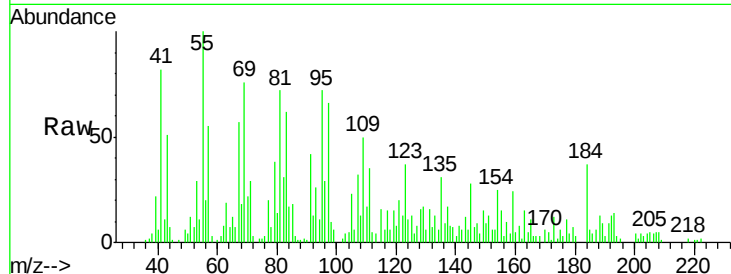




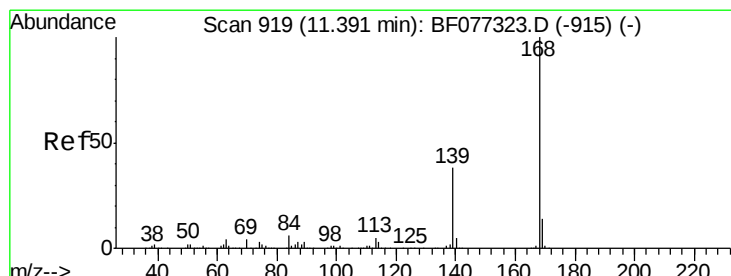
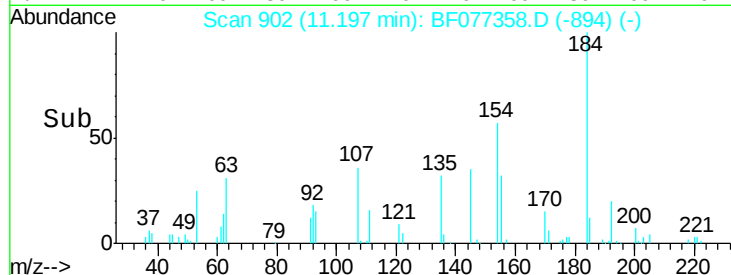
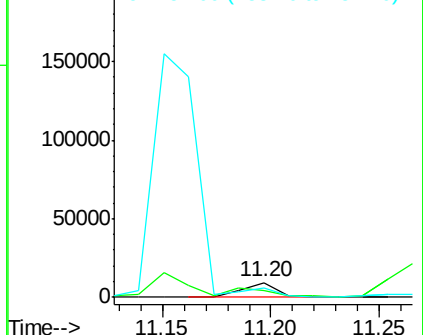
#53
2,4-Dinitrophenol
Concen: 43.39 ng
RT: 11.20 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

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

Tgt Ion:184 Resp: 10127
Ion Ratio Lower Upper
184 100
63 50.0 69.3 103.9#
154 66.8 56.3 84.5

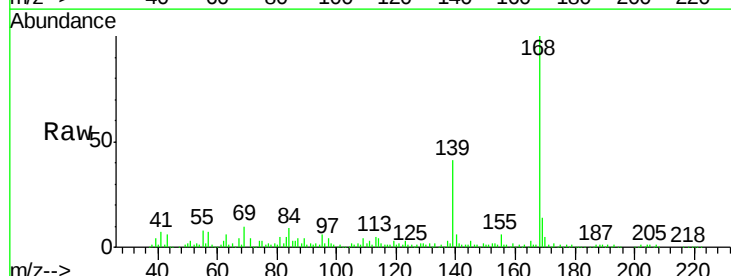


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

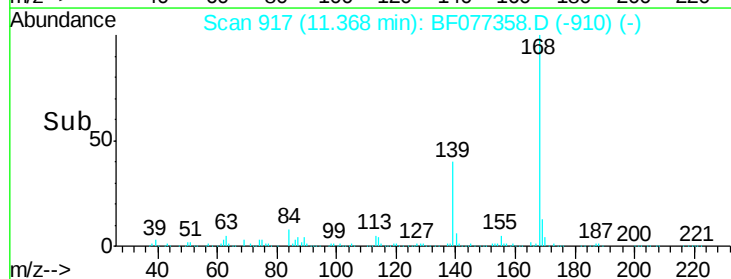
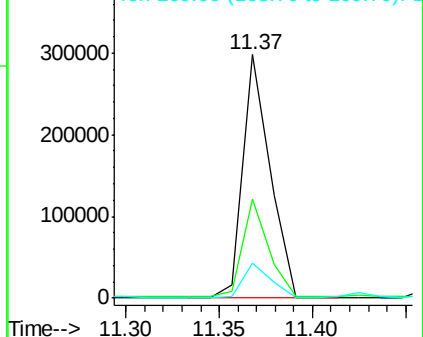


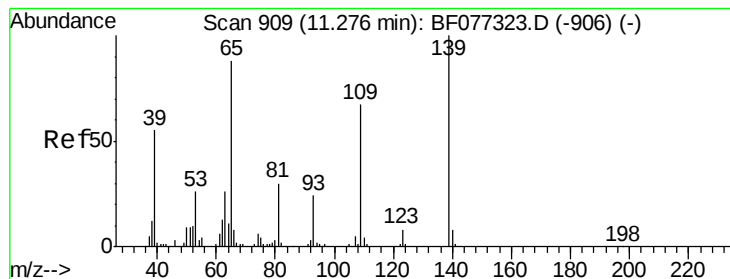
#54
Dibenzofuran
Concen: 27.11 ng
RT: 11.37 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion:168 Resp: 302560
Ion Ratio Lower Upper
168 100
139 40.8 30.6 45.8
169 14.2 11.0 16.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 67.63 ng

RT: 11.27 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

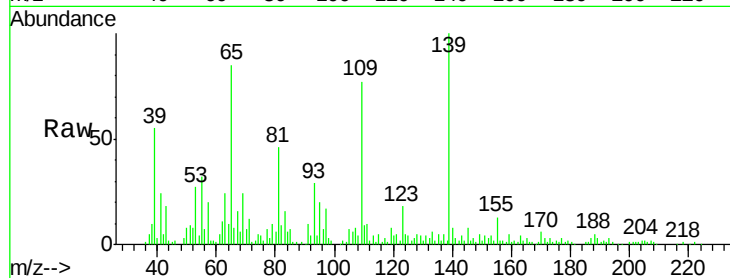
Tgt Ion:139 Resp: 88425

Ion Ratio Lower Upper

139 100

109 77.5 47.5 87.5

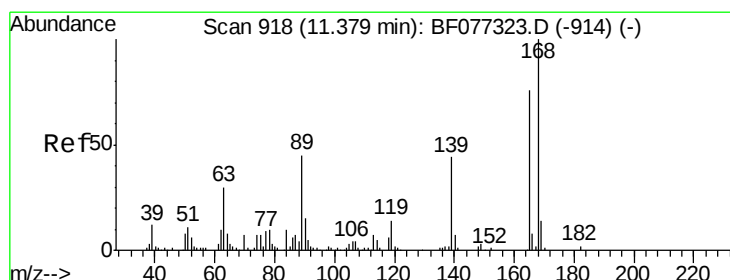
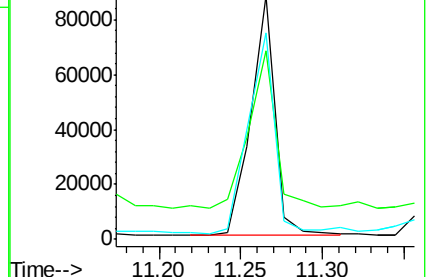
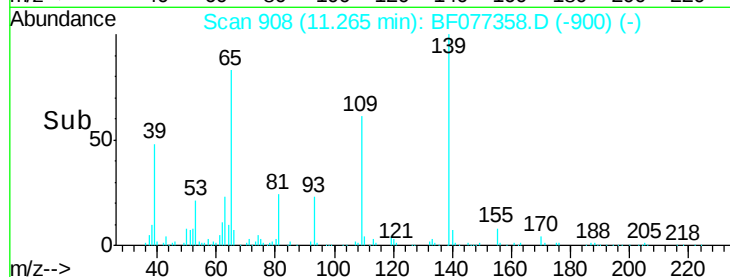
65 84.6 67.8 107.8



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): BF0



#56

2,4-Dinitrotoluene

Concen: 34.14 ng

RT: 11.36 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Tgt Ion:165 Resp: 67193

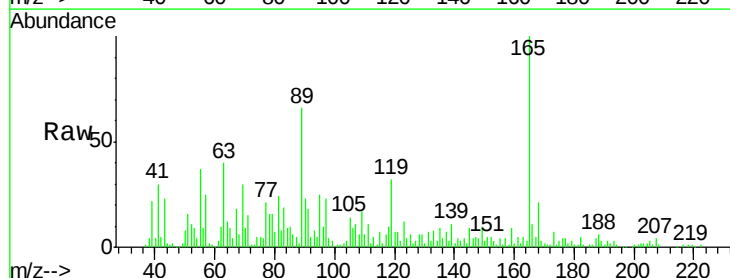
Ion Ratio Lower Upper

165 100

63 39.6 31.6 47.4

89 66.1 48.1 72.1

182 5.0 1.9 2.9#

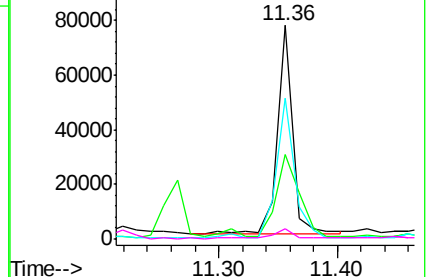
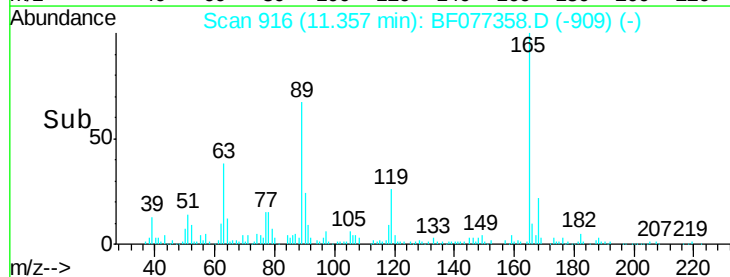


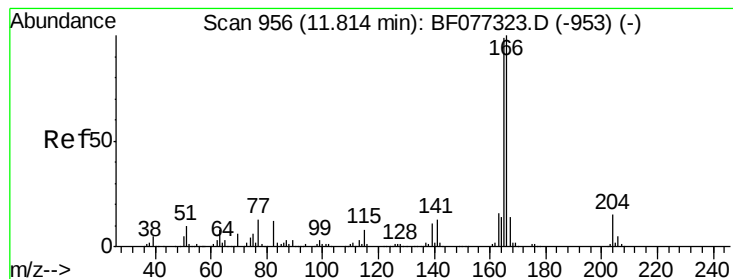
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 30.78 ng

RT: 11.80 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

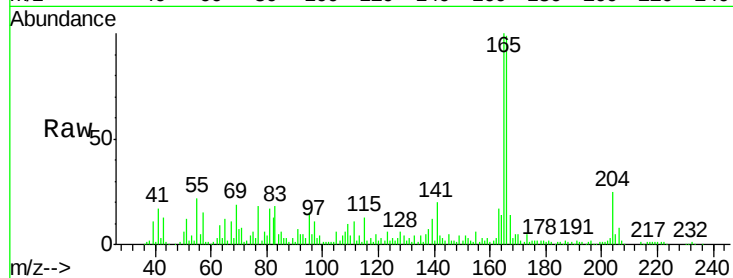
Tgt Ion:166 Resp: 269502

Ion Ratio Lower Upper

166 100

165 100.7 79.2 118.8

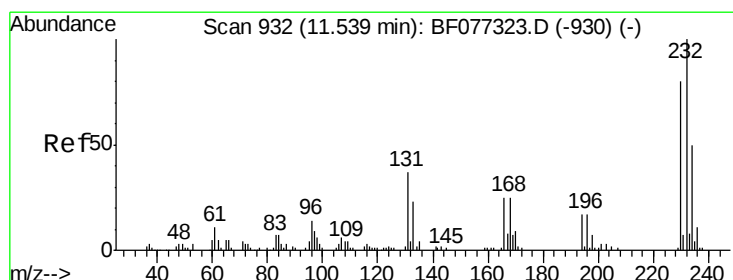
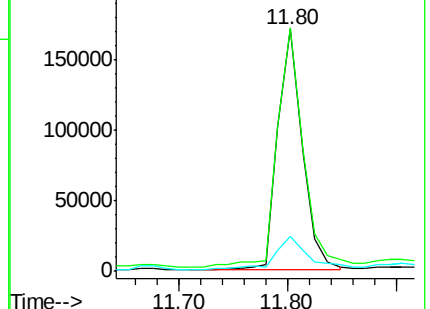
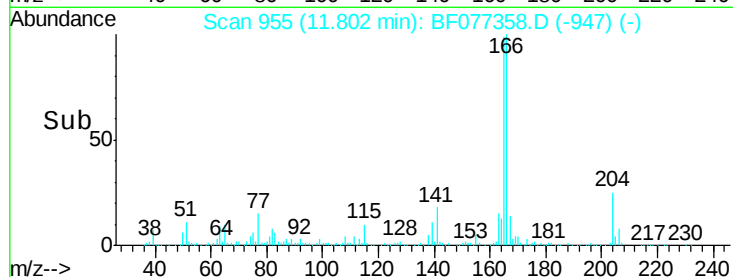
167 14.4 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 28.91 ng

RT: 11.52 min Scan# 930

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Tgt Ion:232 Resp: 50688

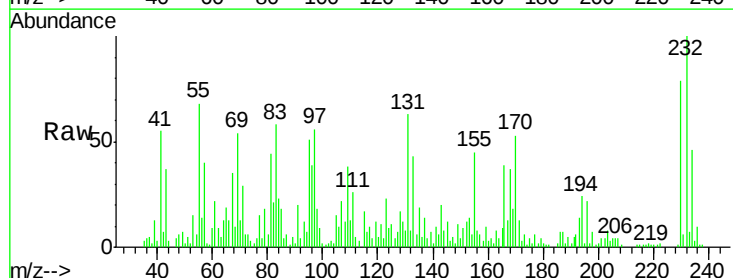
Ion Ratio Lower Upper

232 100

131 57.0 37.5 56.3#

130 7.1 1.7 2.5#

166 33.1 24.0 36.0

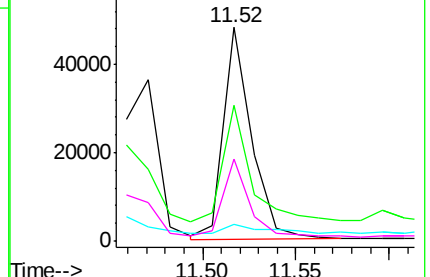
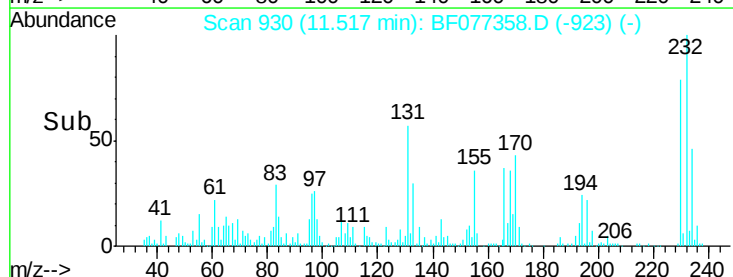


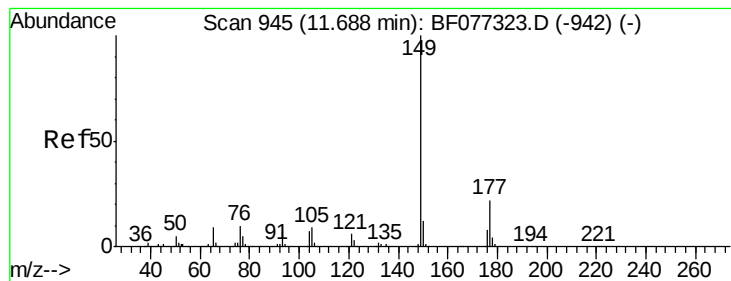
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 28.55 ng

RT: 11.68 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

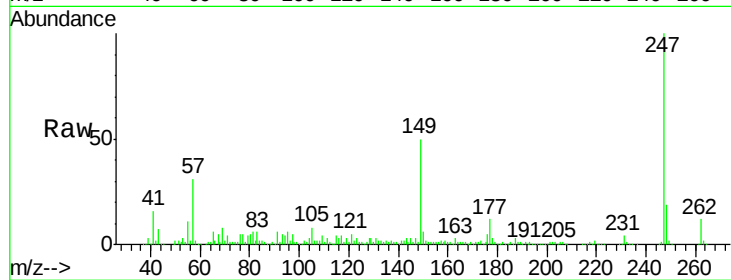
Tgt Ion:149 Resp: 259605

Ion Ratio Lower Upper

149 100

177 23.3 17.5 26.3

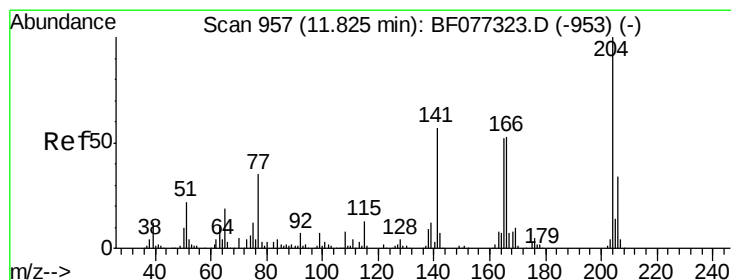
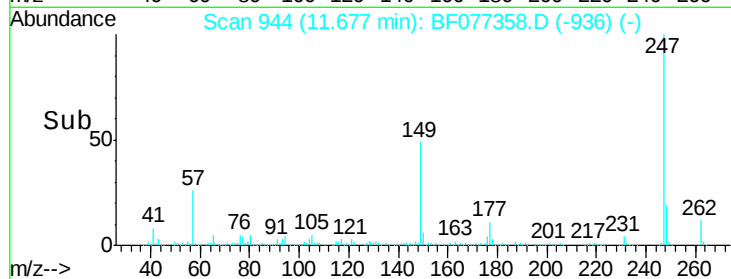
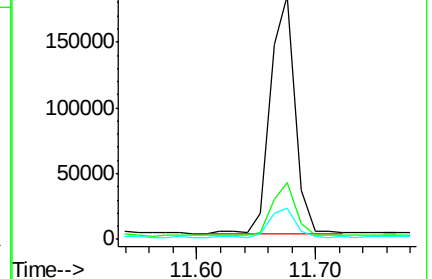
150 12.9 9.9 14.9



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: 26.20 ng

RT: 11.81 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

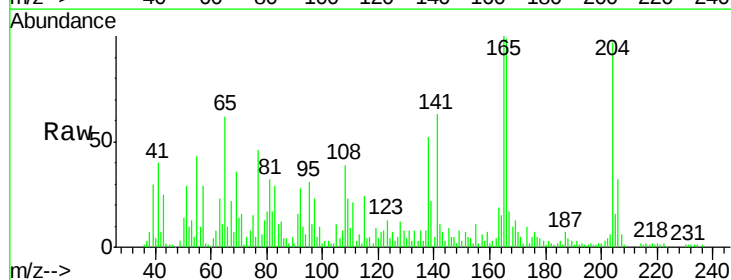
Tgt Ion:204 Resp: 111605

Ion Ratio Lower Upper

204 100

206 33.1 26.8 40.2

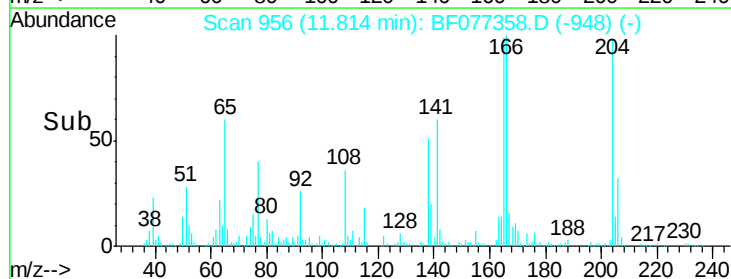
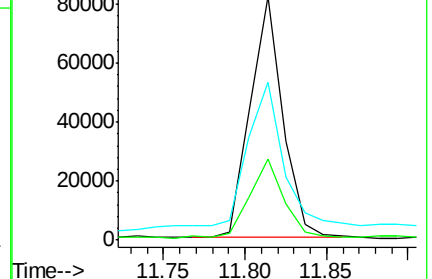
141 64.9 45.3 67.9

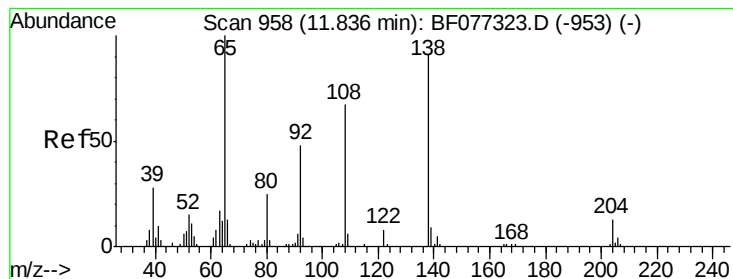


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 27.38 ng

RT: 11.81 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

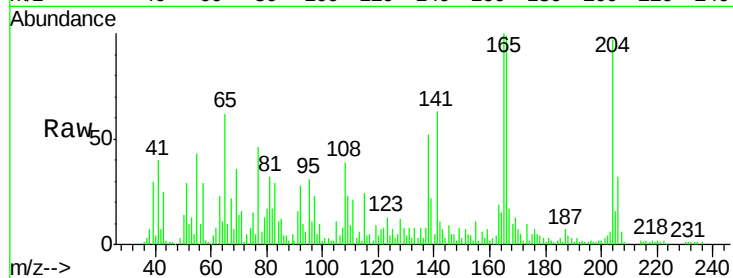
Tgt Ion:138 Resp: 49600

Ion Ratio Lower Upper

138 100

92 53.9 32.7 72.7

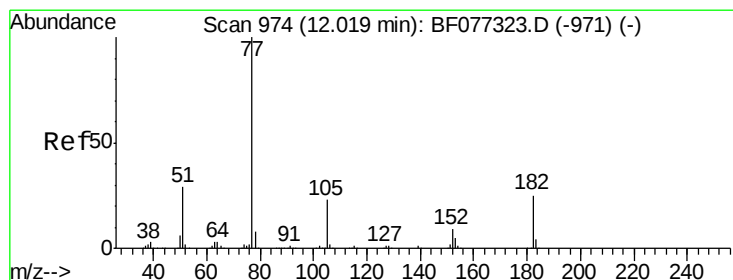
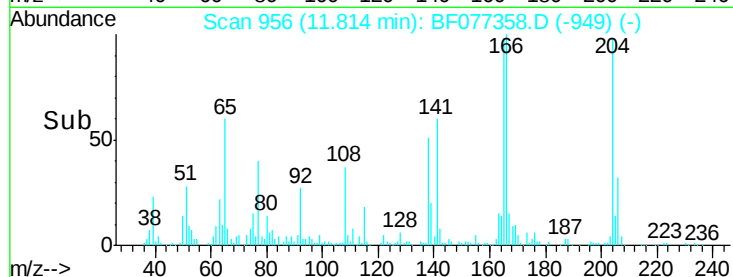
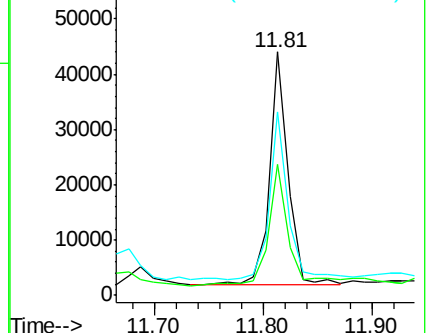
108 75.3 53.9 93.9



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: 32.42 ng

RT: 12.01 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Tgt Ion: 77 Resp: 292059

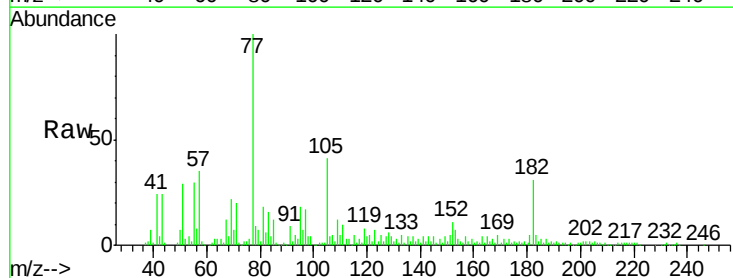
Ion Ratio Lower Upper

77 100

182 30.9 5.0 45.0

105 40.9 3.3 43.3

51 28.6 9.1 49.1

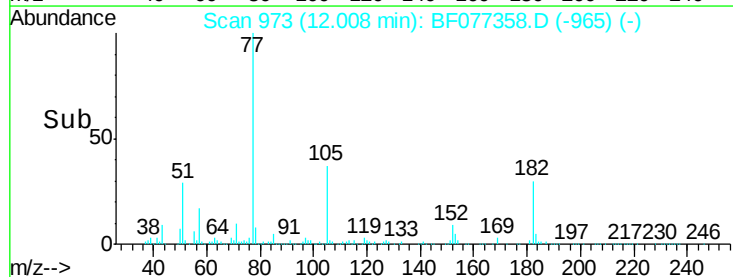
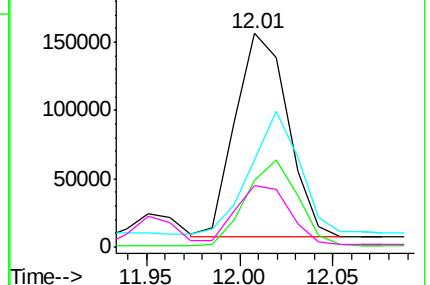


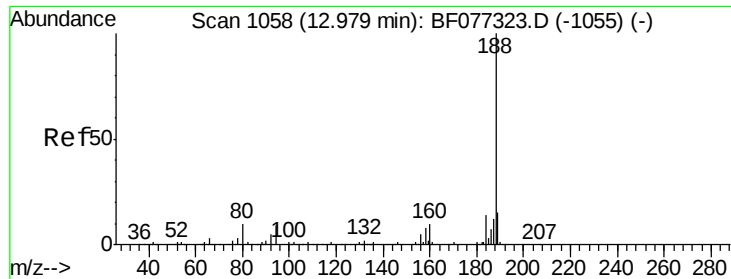
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.98 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

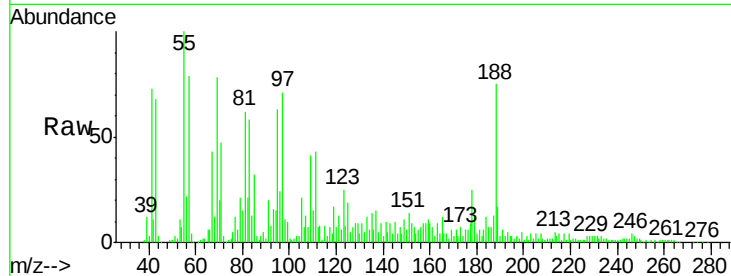
Tgt Ion:188 Resp: 222281

Ion Ratio Lower Upper

188 100

94 20.5 7.2 10.8#

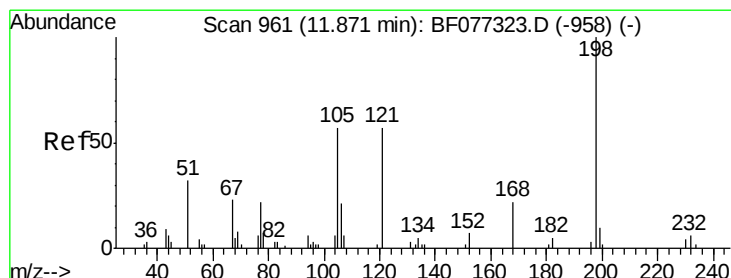
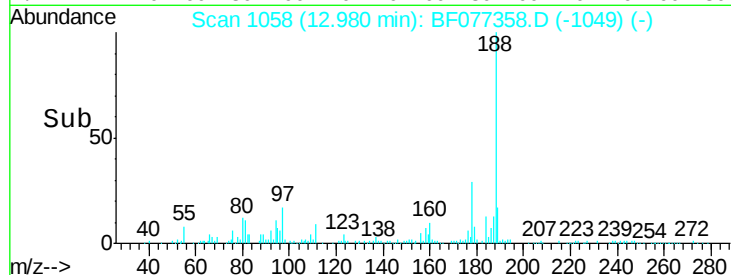
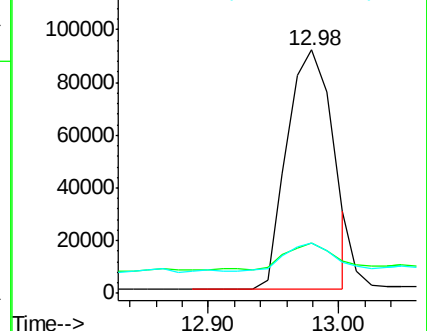
80 20.7 7.8 11.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 31.77 ng

RT: 11.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

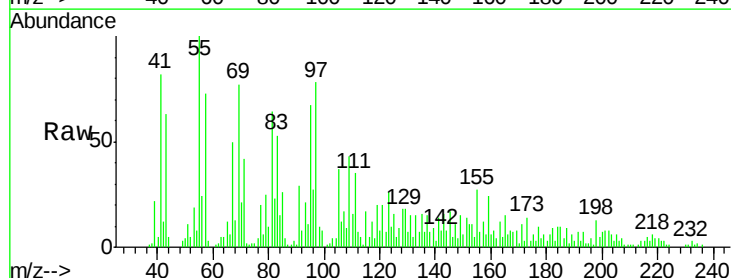
Tgt Ion:198 Resp: 11812

Ion Ratio Lower Upper

198 100

51 87.9 54.6 94.6

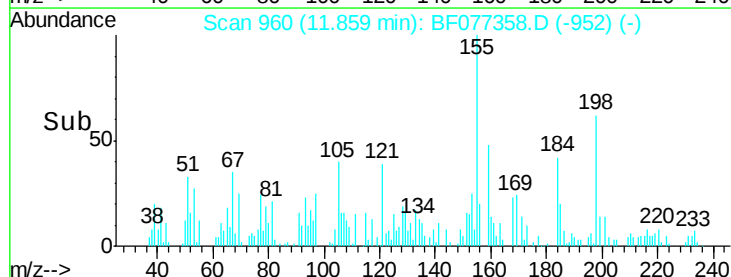
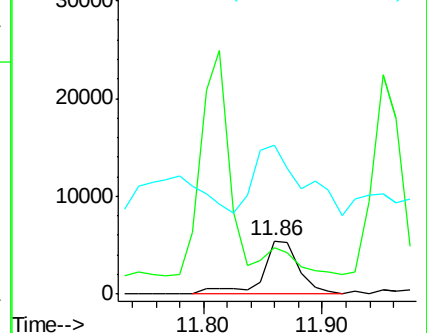
105 280.3 45.4 85.4#

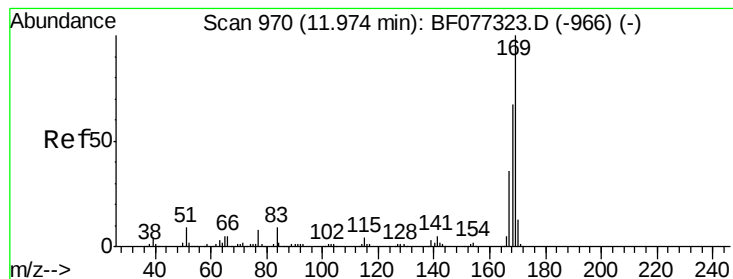


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 38.85 ng

RT: 11.96 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

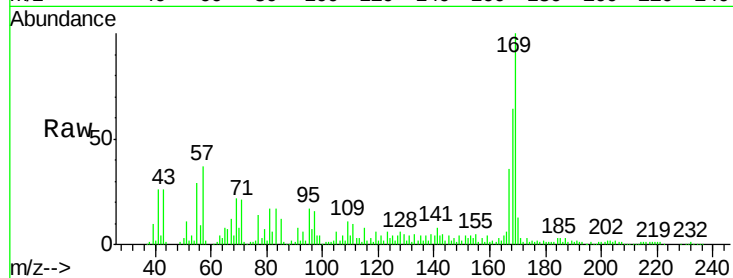
Tgt Ion:169 Resp: 281676

Ion Ratio Lower Upper

169 100

168 63.8 53.4 80.0

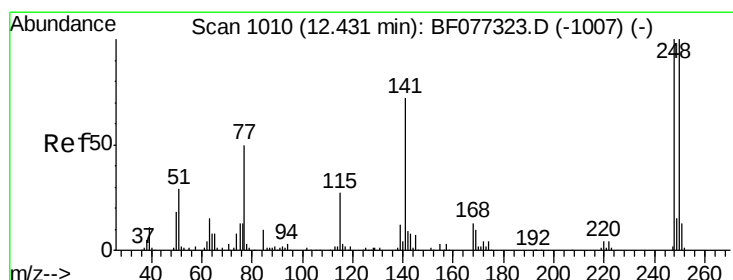
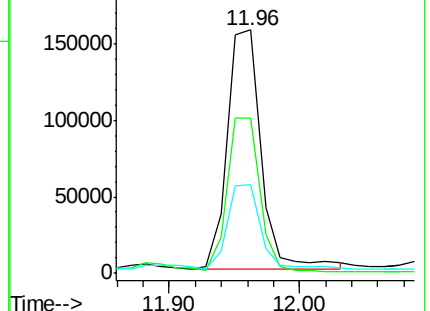
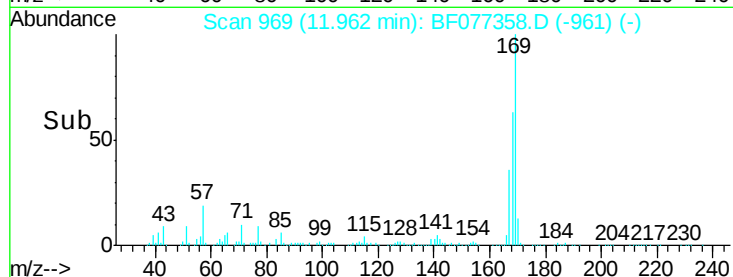
167 36.3 29.1 43.7



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: 28.25 ng

RT: 12.42 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

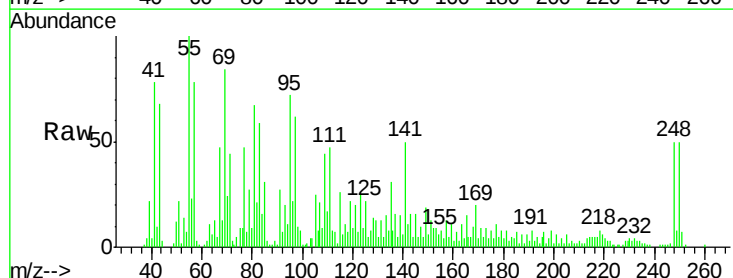
Tgt Ion:248 Resp: 70022

Ion Ratio Lower Upper

248 100

250 99.7 80.2 120.4

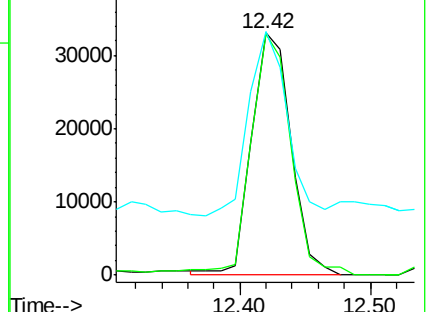
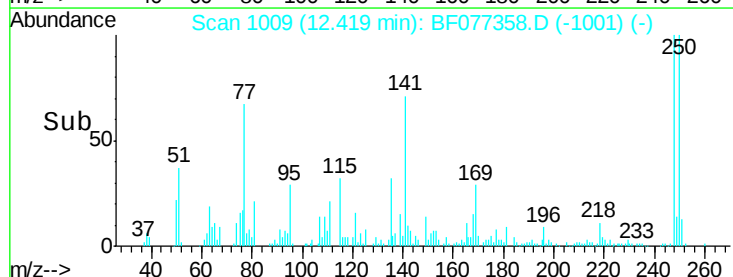
141 100.6 57.5 86.3#

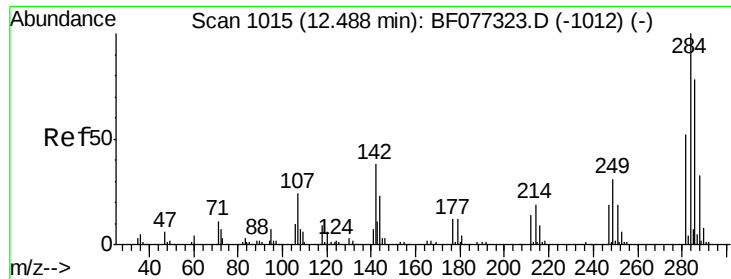


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

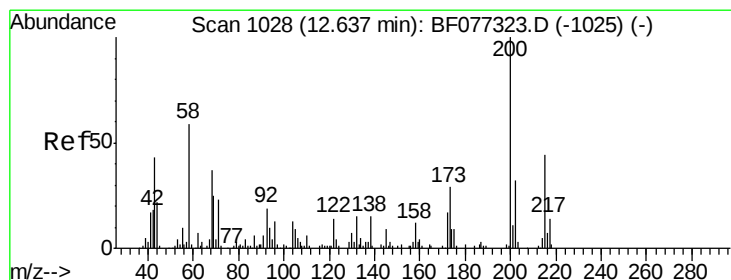
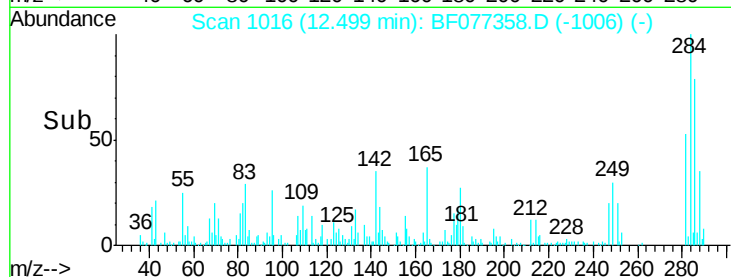
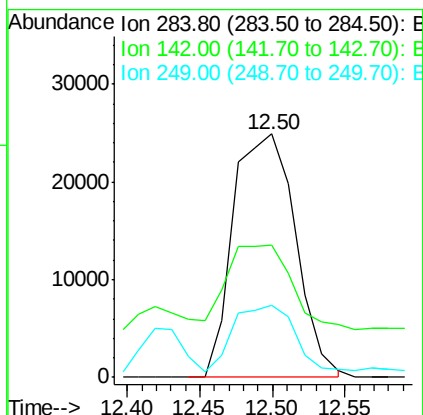
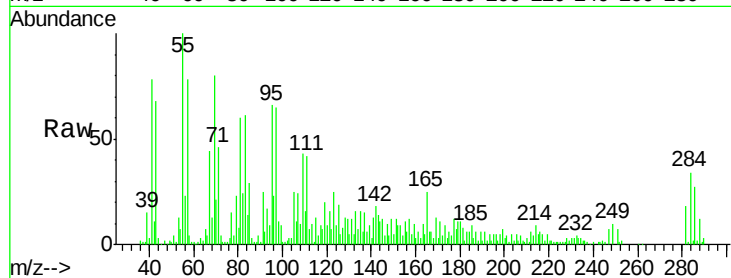




#67
Hexachlorobenzene
Concen: 26.29 ng
RT: 12.50 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

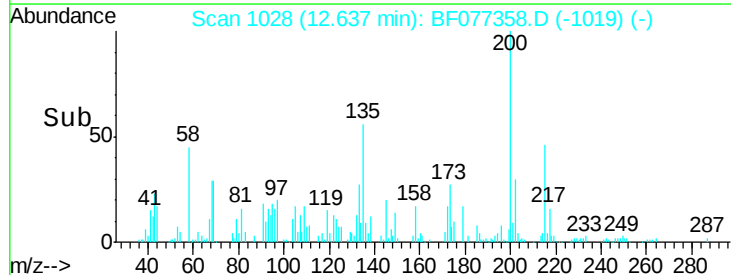
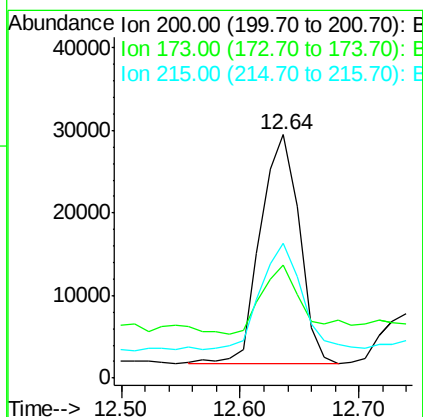
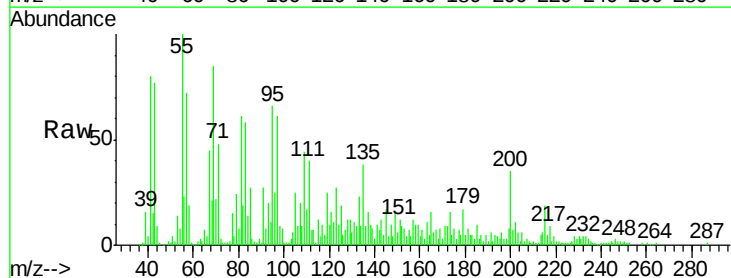
Instrument :
BNA_F
ClientSampleId :
VMA1(9.5-10)MS

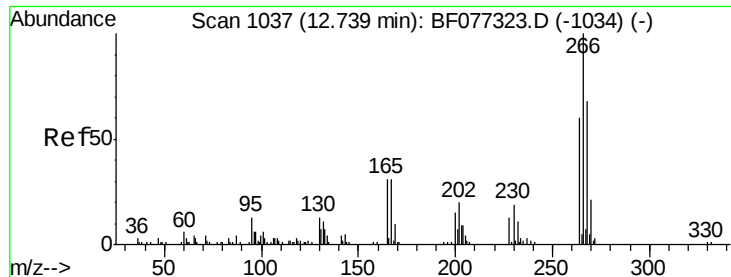
Tgt Ion:284 Resp: 73902
Ion Ratio Lower Upper
284 100
142 54.1 30.8 46.2#
249 29.6 24.6 36.8



#68
Atrazine
Concen: 28.98 ng
RT: 12.64 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion:200 Resp: 62799
Ion Ratio Lower Upper
200 100
173 46.3 9.2 49.2
215 55.1 23.8 63.8

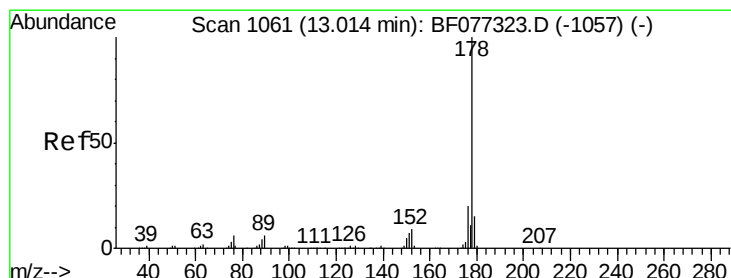
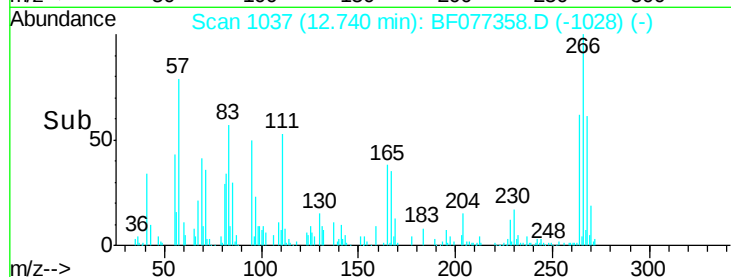
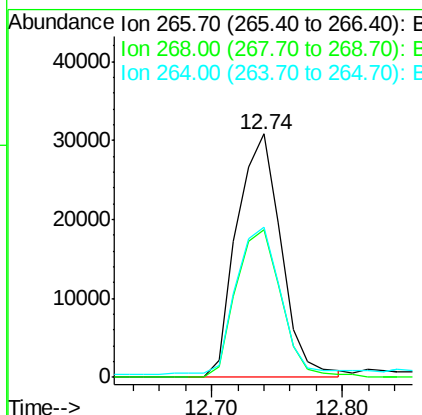
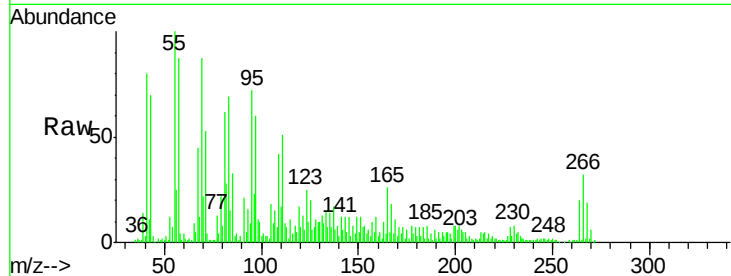




#69
 Pentachlorophenol
 Concen: 72.79 ng
 RT: 12.74 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

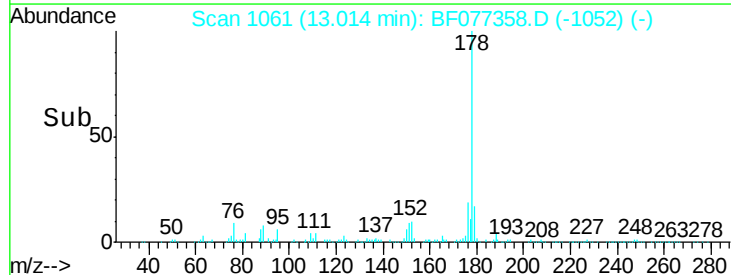
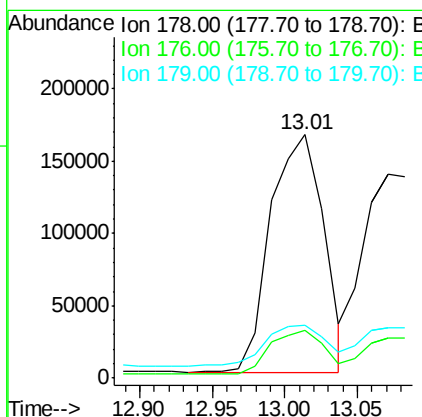
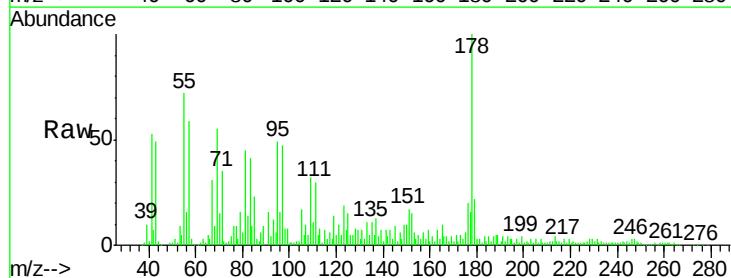
Instrument :
 BNA_F
 ClientSampleId :
 VMA1(9.5-10)MS

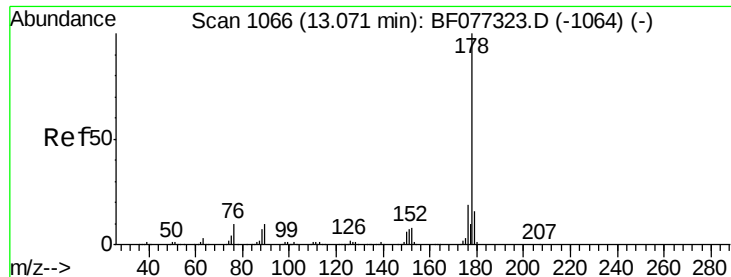
Tgt Ion:266 Resp: 72855
 Ion Ratio Lower Upper
 266 100
 268 60.6 54.0 81.0
 264 61.7 48.2 72.2



#70
 Phenanthrene
 Concen: 32.17 ng
 RT: 13.01 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF077358.D
 Acq: 18 Feb 2015 18:06

Tgt Ion:178 Resp: 415530
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 21.8 12.3 18.5#





#71

Anthracene

Concen: 25.38 ng

RT: 13.07 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

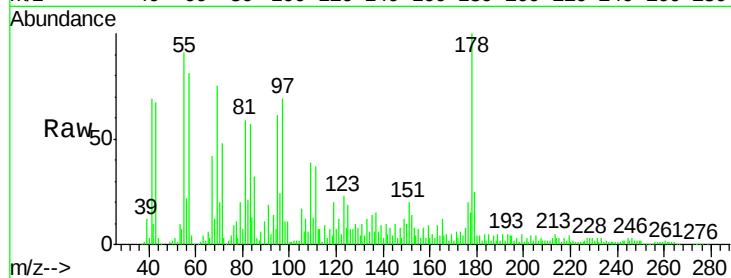
Tgt Ion:178 Resp: 325932

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

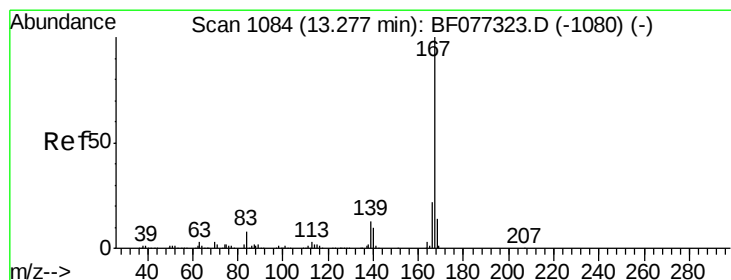
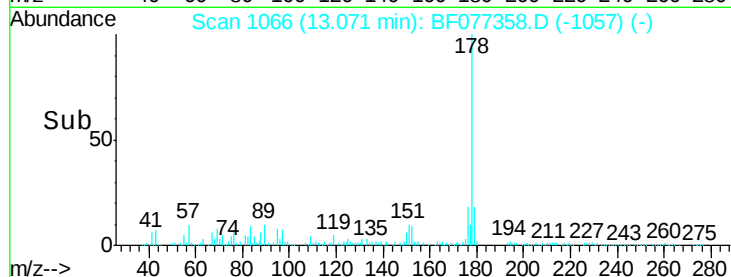
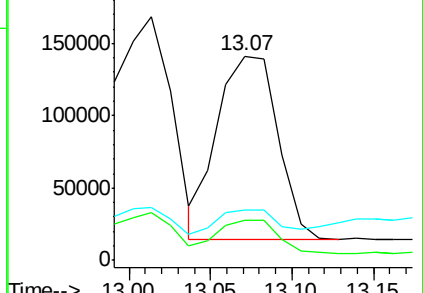
179 24.8 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 28.42 ng

RT: 13.28 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

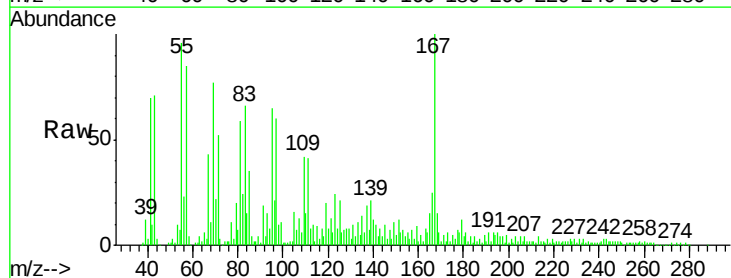
Tgt Ion:167 Resp: 320884

Ion Ratio Lower Upper

167 100

166 24.5 17.4 26.2

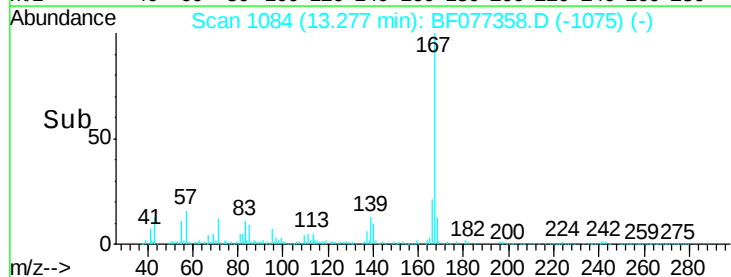
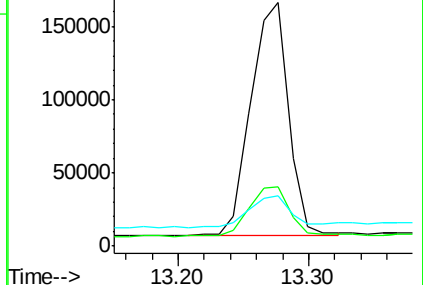
139 20.9 10.6 15.8#

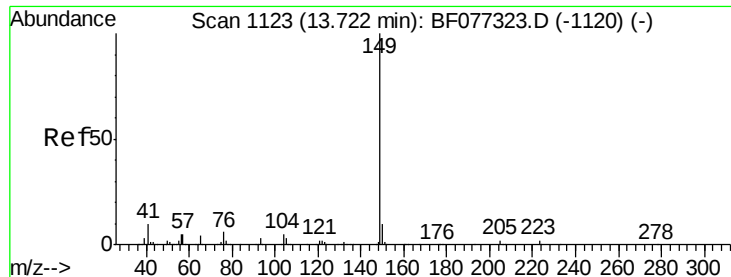


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 26.51 ng

RT: 13.73 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

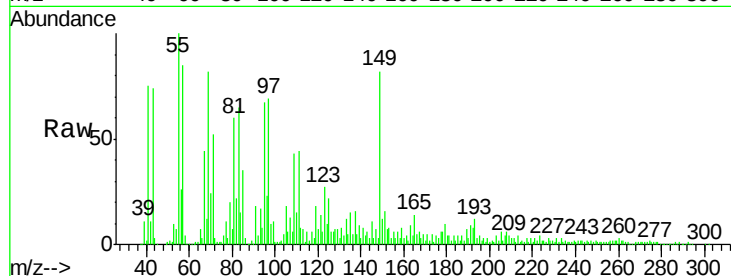
Tgt Ion:149 Resp: 368487

Ion Ratio Lower Upper

149 100

150 14.2 7.7 11.5#

104 6.3 4.3 6.5

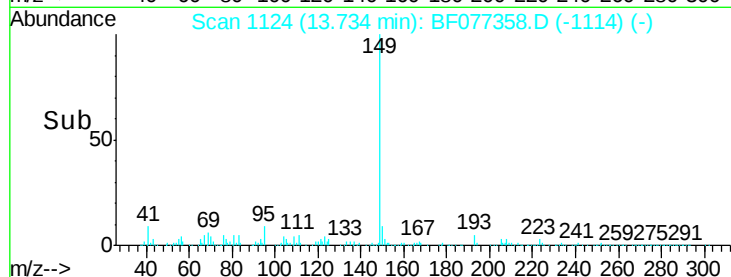


Abundance Ion 149.00 (148.70 to 149.70): E

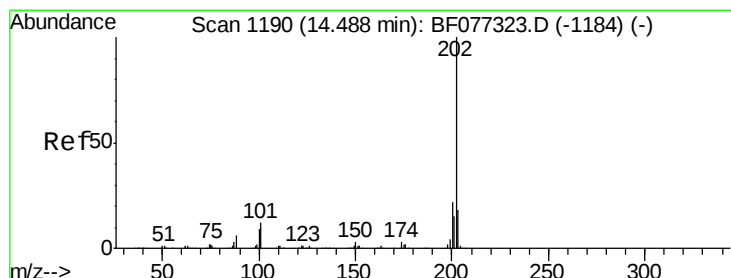
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



Time-->



#74

Fluoranthene

Concen: 18.06 ng

RT: 14.52 min Scan# 1193

Delta R.T. 0.03 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

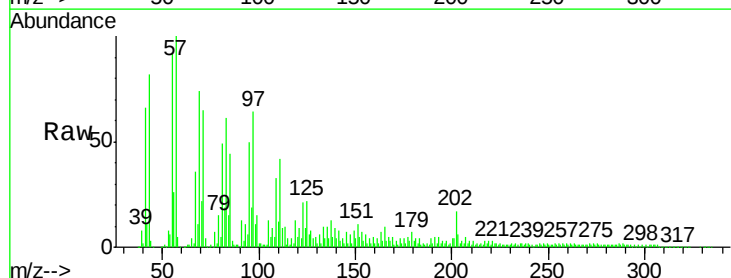
Tgt Ion:202 Resp: 235511

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.4

203 33.6 0.0 37.7

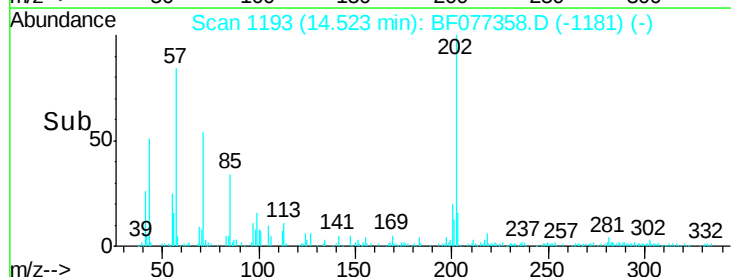


Abundance Ion 202.00 (201.70 to 202.70): E

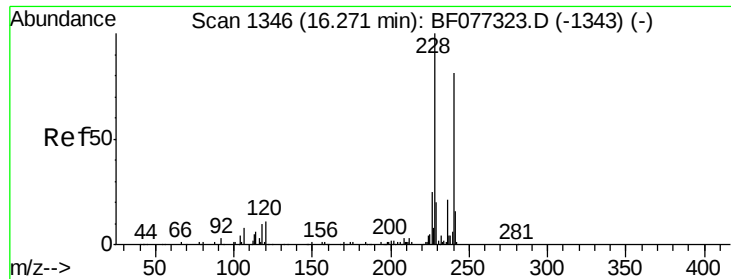
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.37 min Scan# 1355

Delta R.T. 0.10 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

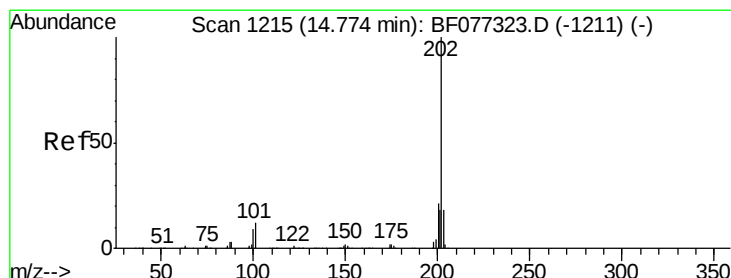
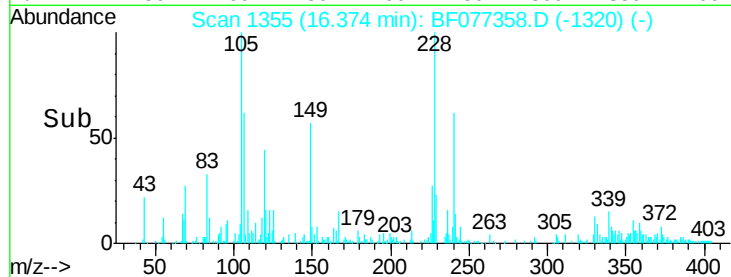
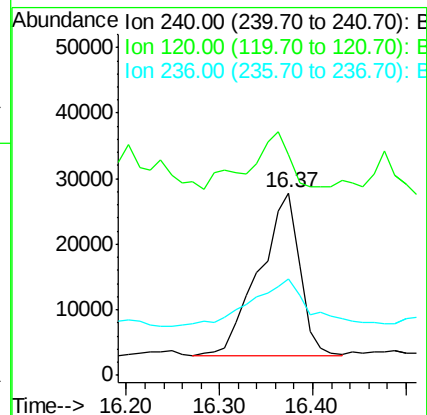
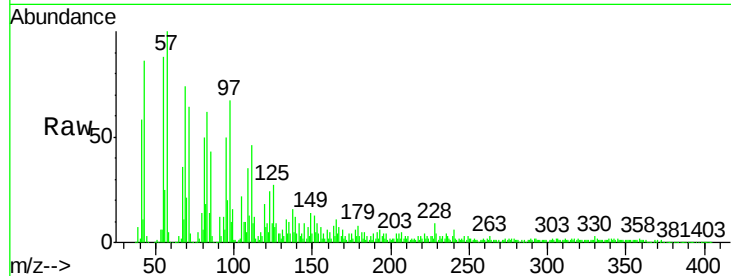
Tgt Ion:240 Resp: 75637

Ion Ratio Lower Upper

240 100

120 120.9 11.3 16.9#

236 52.7 20.3 30.5#



#77

Pyrene

Concen: 31.54 ng

RT: 14.81 min Scan# 1218

Delta R.T. 0.03 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

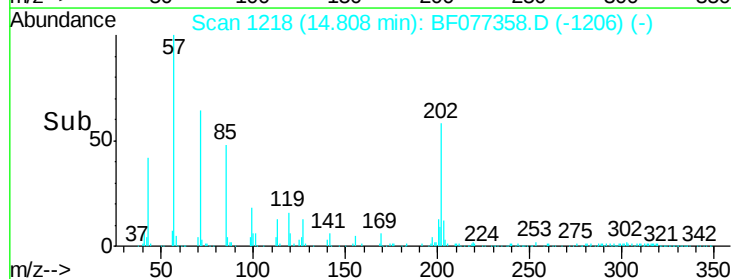
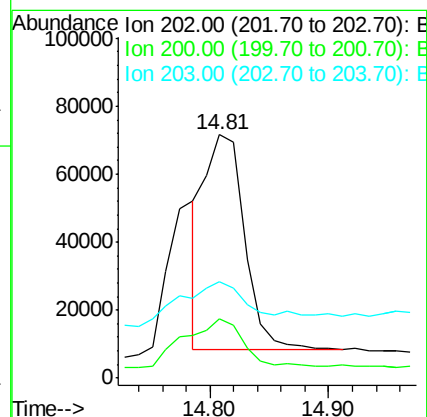
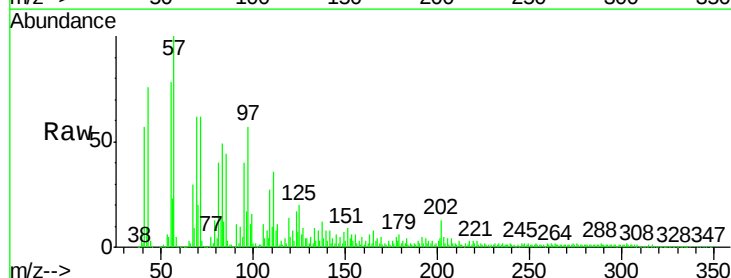
Tgt Ion:202 Resp: 147454

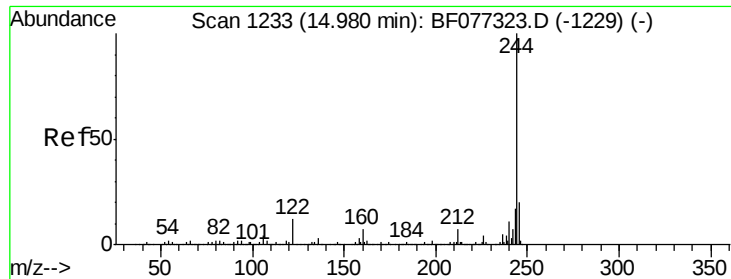
Ion Ratio Lower Upper

202 100

200 24.5 17.0 25.4

203 39.7 14.2 21.4#





#78

Terphenyl-d14

Concen: 59.39 ng

RT: 15.03 min Scan# 1237

Delta R.T. 0.05 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

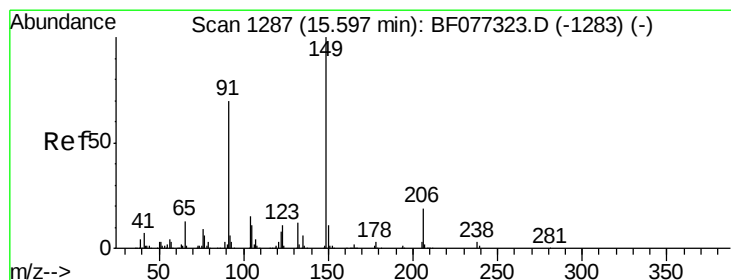
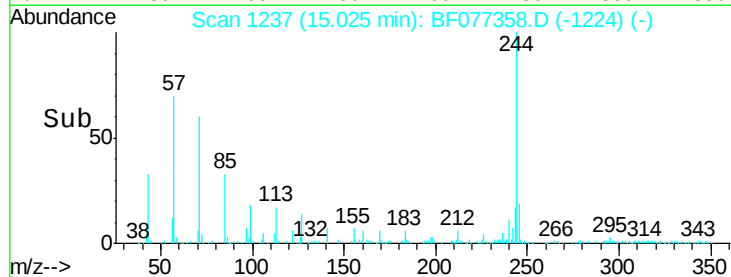
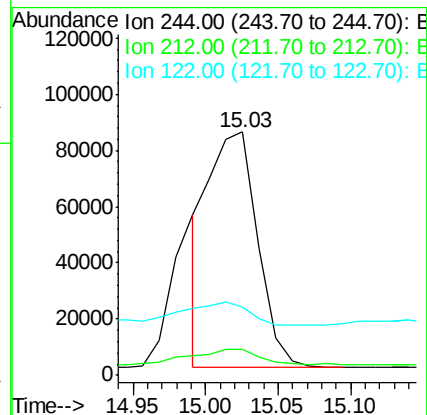
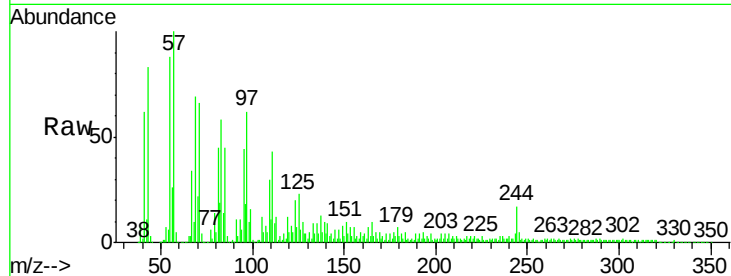
Tgt Ion:244 Resp: 197587

Ion Ratio Lower Upper

244 100

212 10.7 5.4 8.0#

122 28.1 9.3 13.9#



#79

Butylbenzylphthalate

Concen: 5.26 ng

RT: 15.70 min Scan# 1296

Delta R.T. 0.10 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

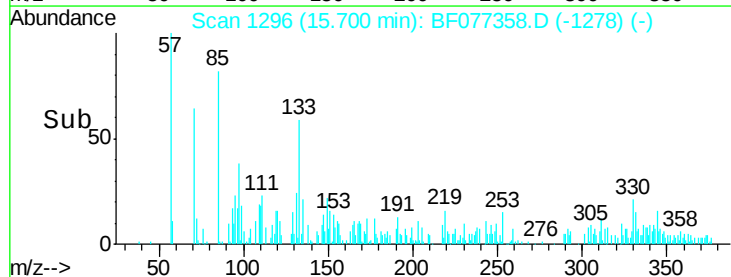
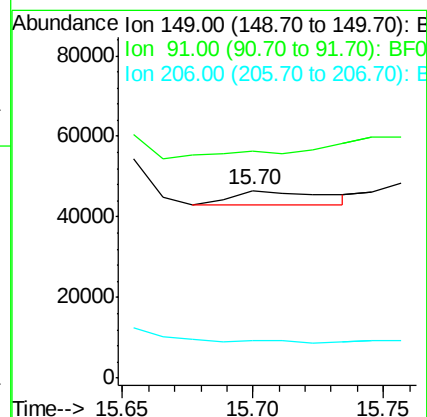
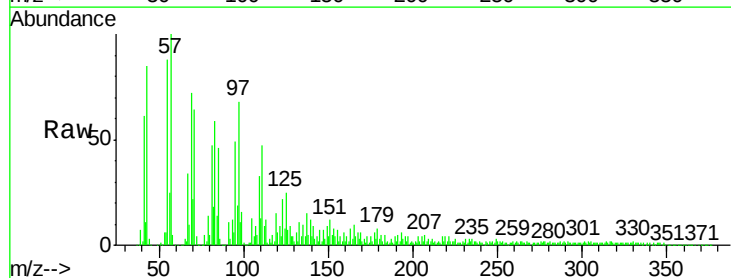
Tgt Ion:149 Resp: 8556

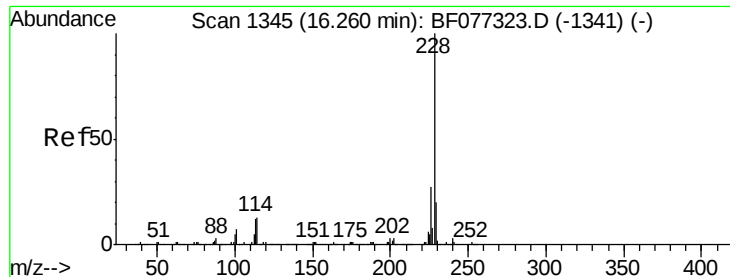
Ion Ratio Lower Upper

149 100

91 121.4 55.9 83.9#

206 20.4 15.4 23.0





#80

Benzo(a)anthracene

Concen: 35.80 ng

RT: 16.36 min Scan# 1354

Delta R.T. 0.10 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

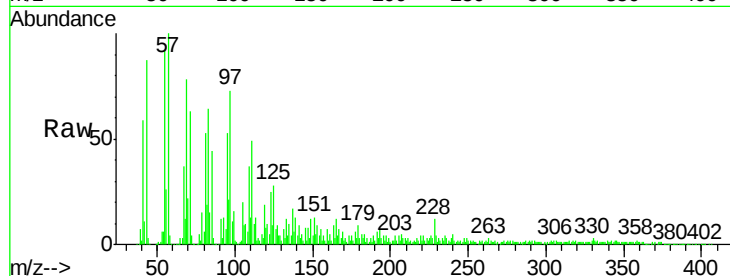
Tgt Ion:228 Resp: 157686

Ion Ratio Lower Upper

228 100

226 32.6 21.9 32.9

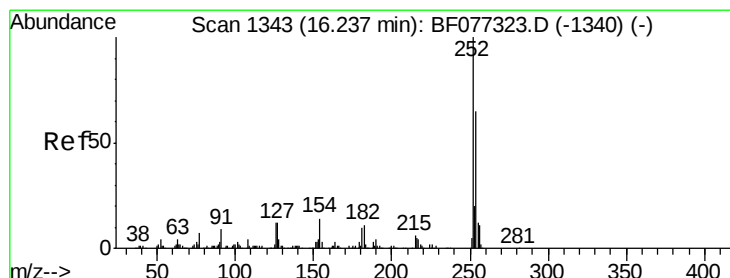
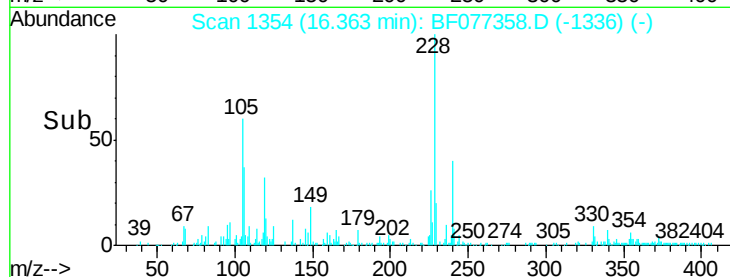
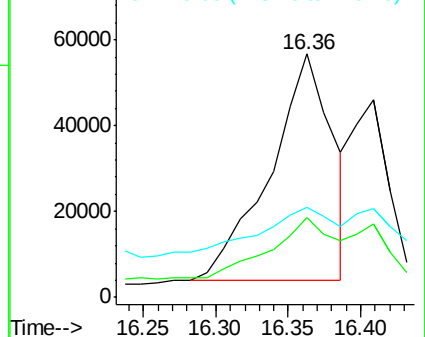
229 36.9 16.1 24.1#



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



#81

3,3'-Dichlorobenzidine

Concen: 18.76 ng

RT: 16.31 min Scan# 1349

Delta R.T. 0.07 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

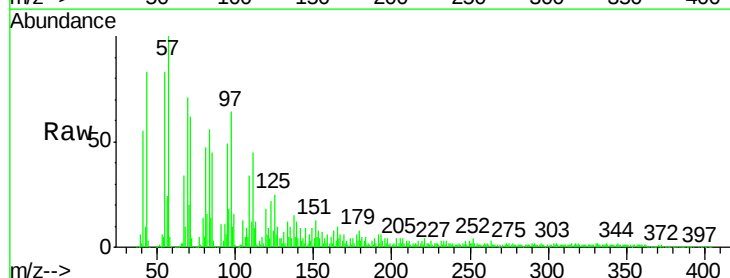
Tgt Ion:252 Resp: 27292

Ion Ratio Lower Upper

252 100

254 61.9 52.0 78.0

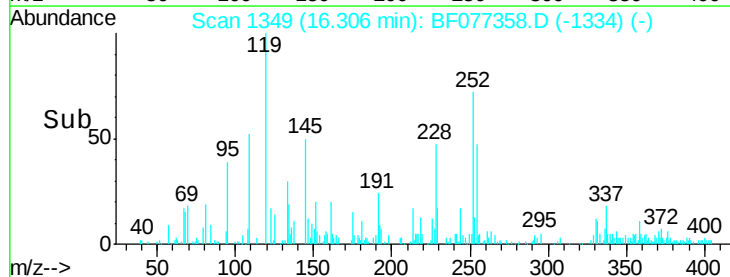
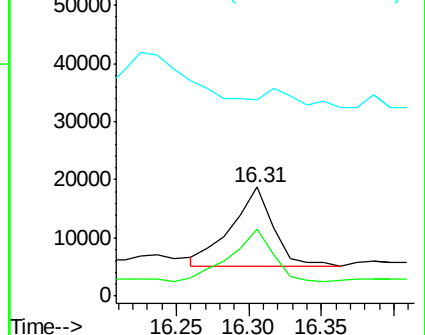
126 180.1 9.7 14.5#

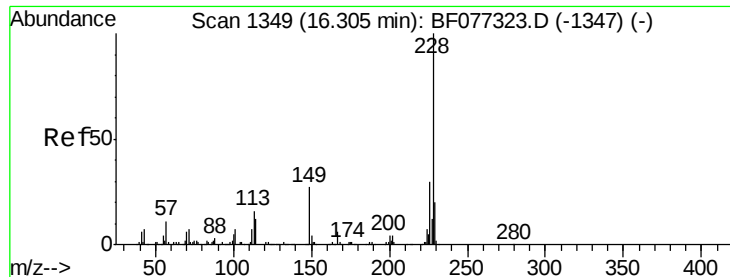


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 15.87 ng

RT: 16.36 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

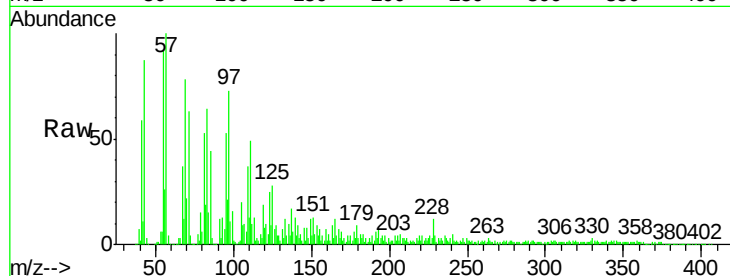
Tgt Ion:228 Resp: 66078

Ion Ratio Lower Upper

228 100

226 32.6 24.2 36.2

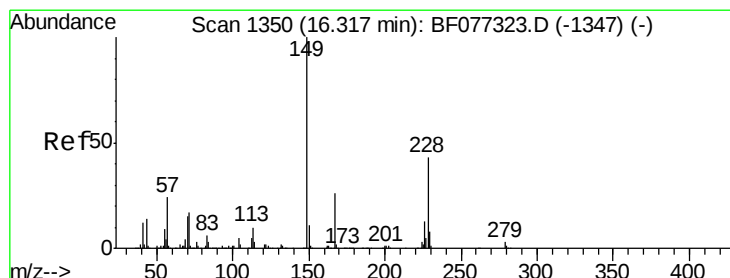
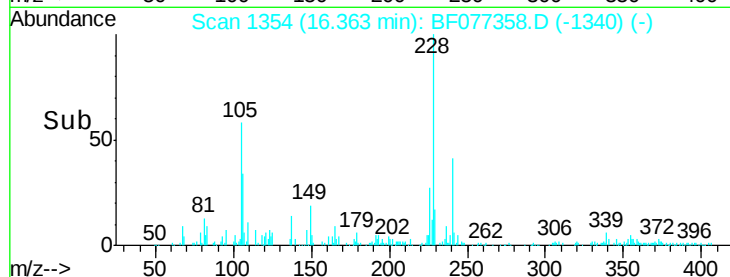
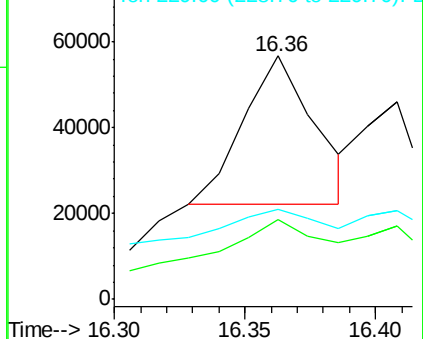
229 36.9 16.2 24.2#



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: 31.30 ng

RT: 16.39 min Scan# 1356

Delta R.T. 0.07 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

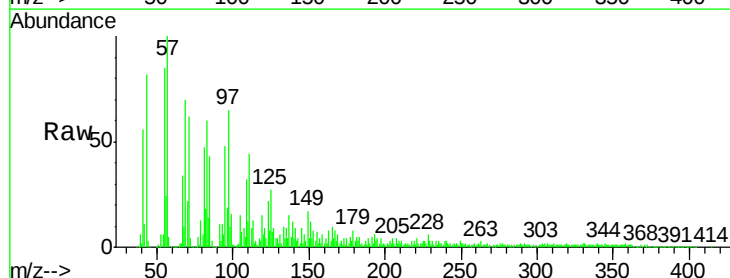
Tgt Ion:149 Resp: 97978

Ion Ratio Lower Upper

149 100

167 48.8 21.0 31.6#

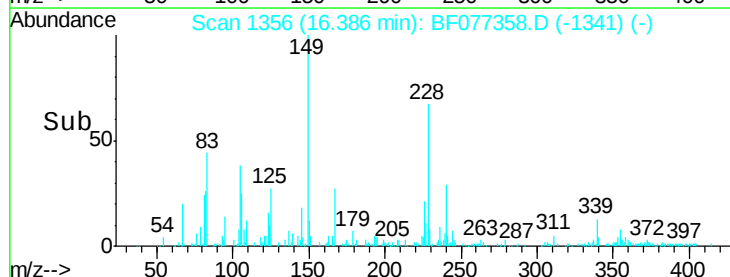
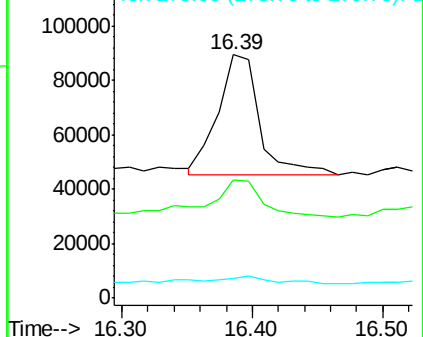
279 8.3 2.7 4.1#

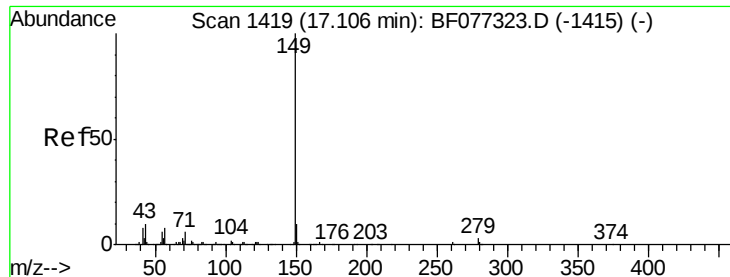


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

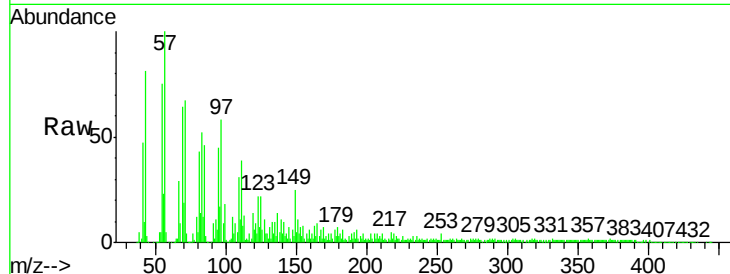




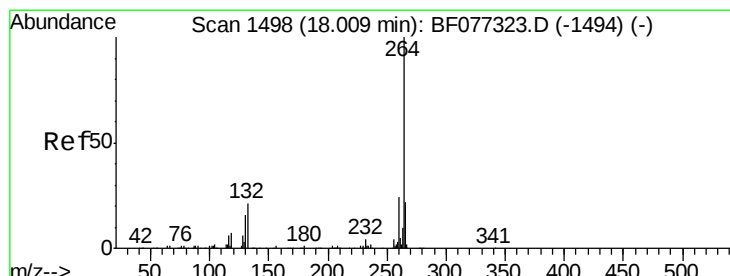
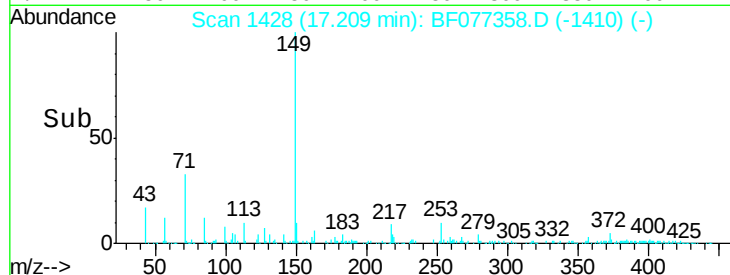
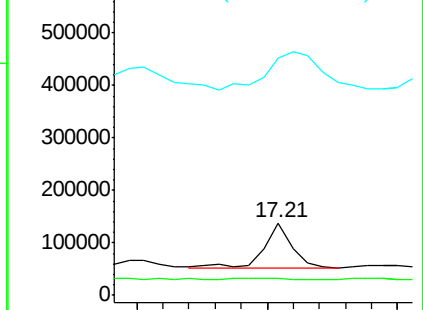
#84
Di-n-octyl phthalate
Concen: 25.38 ng
RT: 17.21 min Scan# 1428
Delta R.T. 0.10 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

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

Tgt Ion:149 Resp: 125000
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 165.5 8.7 13.1#

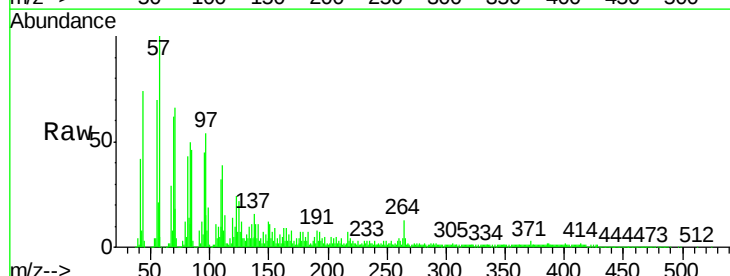


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

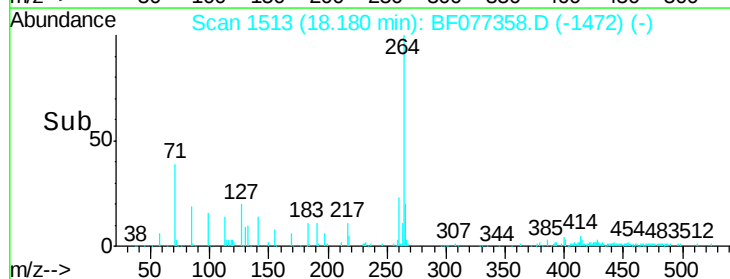
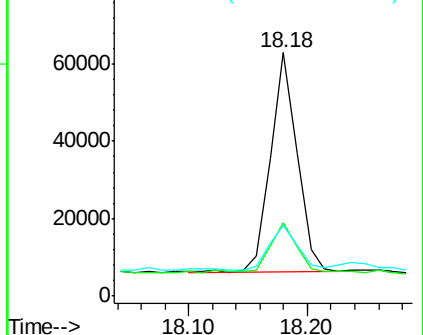


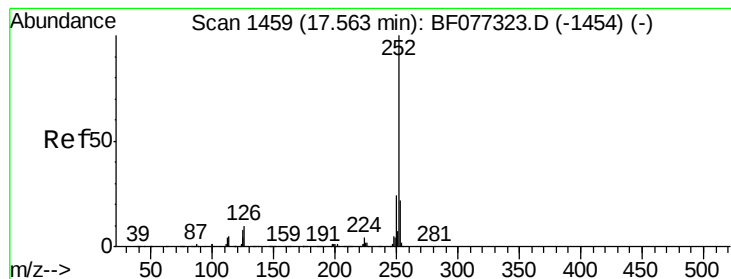
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.18 min Scan# 1513
Delta R.T. 0.17 min
Lab File: BF077358.D
Acq: 18 Feb 2015 18:06

Tgt Ion:264 Resp: 89386
Ion Ratio Lower Upper
264 100
260 30.0 18.9 28.3#
265 29.2 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: 40.84 ng

RT: 17.71 min Scan# 1472

Delta R.T. 0.15 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

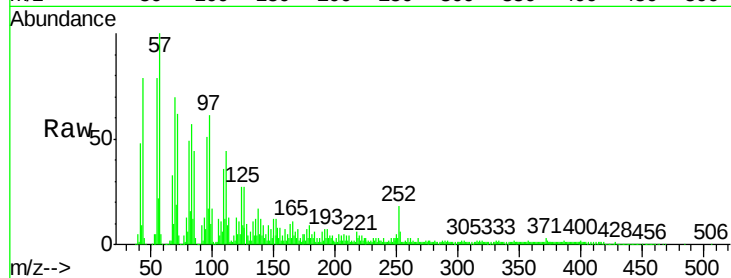
Tgt Ion:252 Resp: 234651

Ion Ratio Lower Upper

252 100

253 35.2 17.3 25.9#

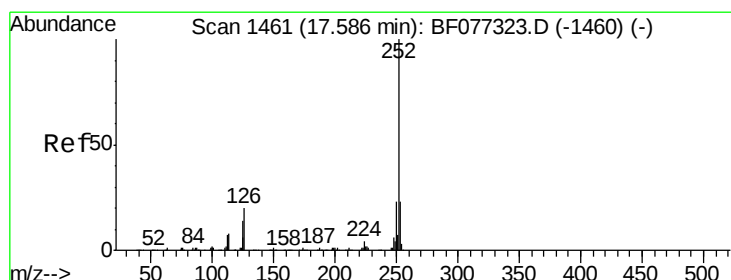
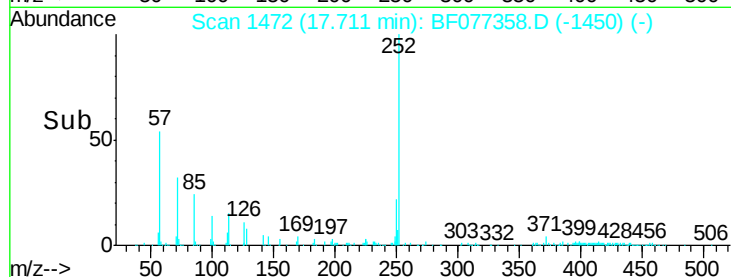
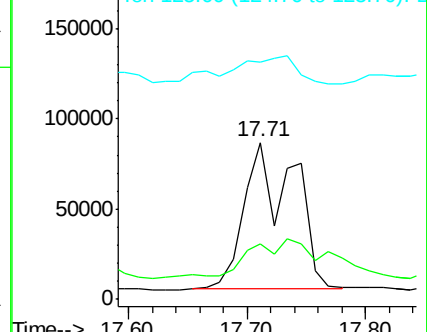
125 151.4 6.1 9.1#



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: 48.08 ng

RT: 17.71 min Scan# 1472

Delta R.T. 0.13 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

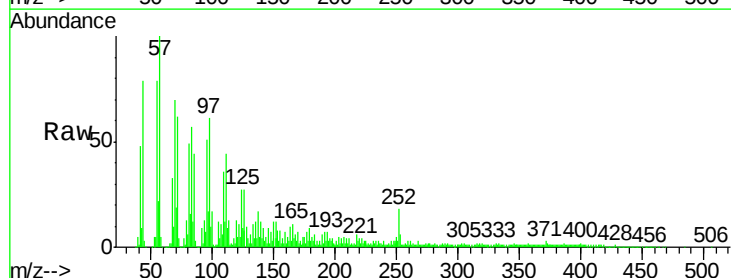
Tgt Ion:252 Resp: 228190

Ion Ratio Lower Upper

252 100

253 35.2 18.0 27.0#

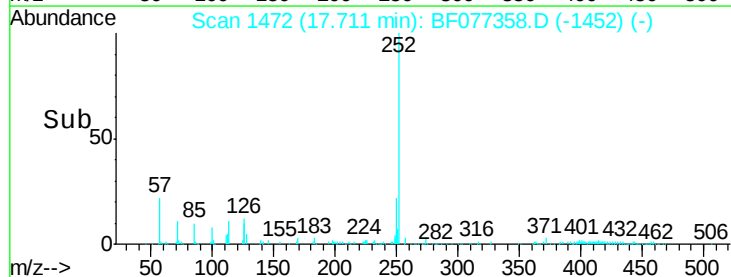
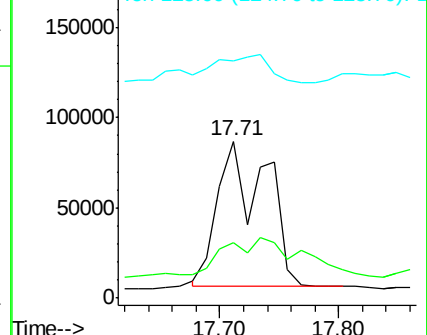
125 151.4 11.0 16.4#

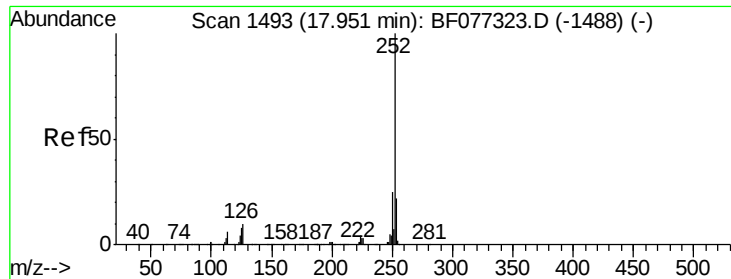


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 27.00 ng

RT: 18.11 min Scan# 1507

Delta R.T. 0.16 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

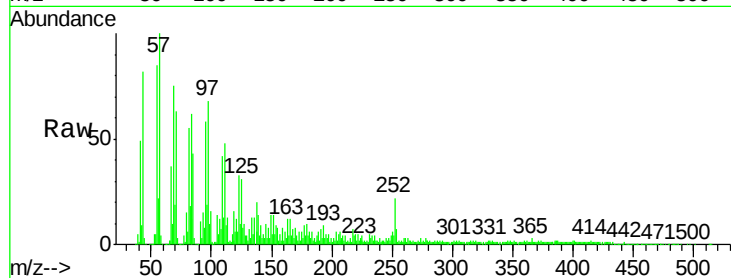
Tgt Ion:252 Resp: 135037

Ion Ratio Lower Upper

252 100

253 31.2 17.4 26.0#

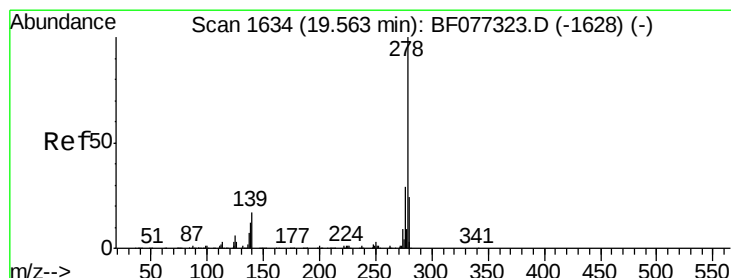
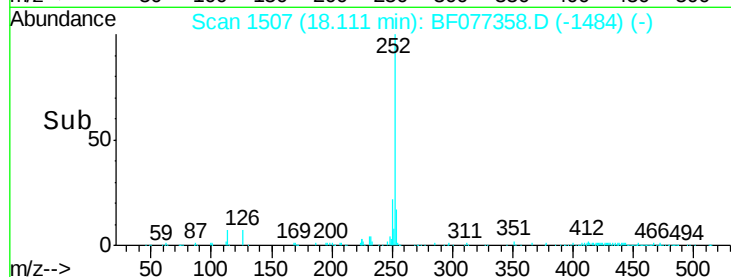
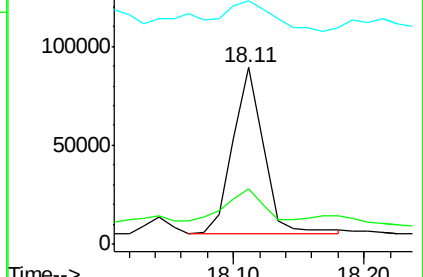
125 137.5 6.2 9.2#



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



#90

Dibenzo(a,h)anthracene

Concen: 43.22 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.19 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

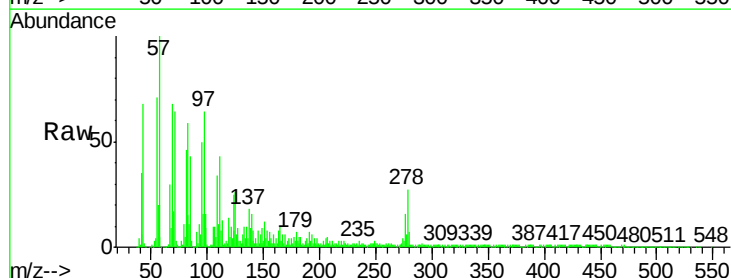
Tgt Ion:278 Resp: 219980

Ion Ratio Lower Upper

278 100

139 57.7 13.4 20.2#

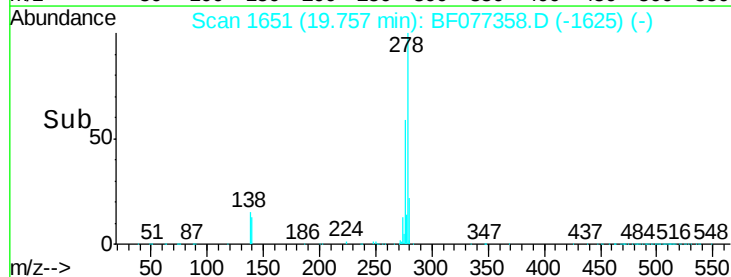
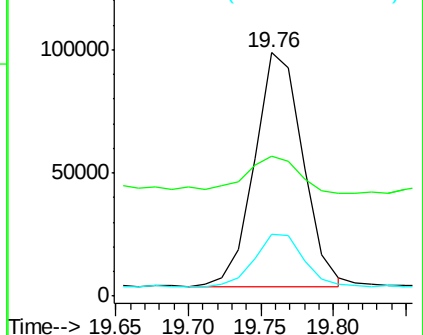
279 25.7 19.1 28.7

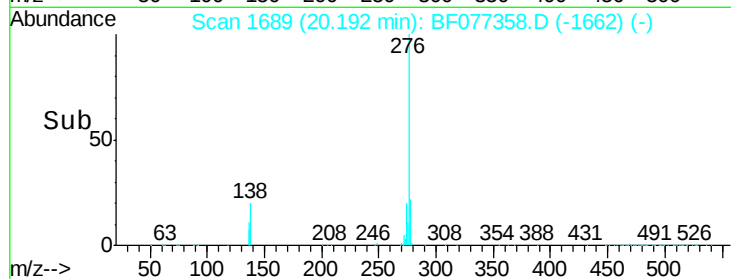
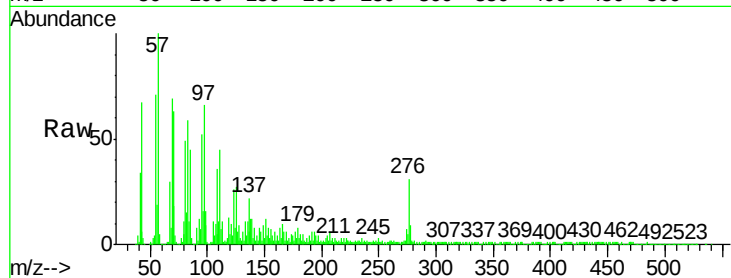
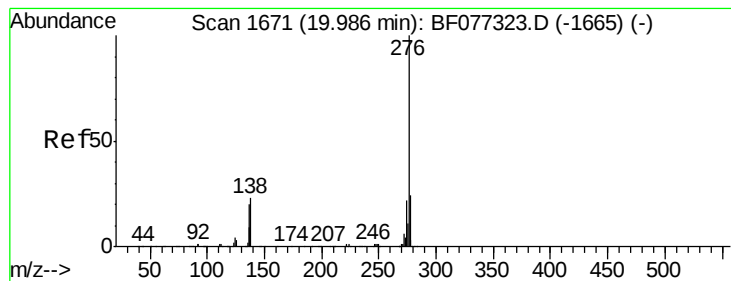


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 47.90 ng

RT: 20.19 min Scan# 1689

Delta R.T. 0.21 min

Lab File: BF077358.D

Acq: 18 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

VMA1(9.5-10)MS

Tgt Ion:276 Resp: 242405

Ion Ratio Lower Upper

276 100

277 27.6 19.0 28.6

138 37.9 18.7 28.1#

