

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062116\
 Data File : BG022481.D
 Acq On : 22 Jun 2016 00:54
 Operator : UM/SJ
 Sample : H3600-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

Quant Time: Jun 22 01:50:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	21611	20.00	ng	-0.11
21) Naphthalene-d8	10.80	136	117798	20.00	ng	-0.10
38) Acenaphthene-d10	14.63	164	72401	20.00	ng	-0.09
63) Phenanthrene-d10	17.38	188	160178	20.00	ng	-0.09
75) Chrysene-d12	21.64	240	133089	20.00	ng	-0.10
86) Perylene-d12	24.84	264	117839	20.00	ng	-0.17

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	182667	163.43	ng	-0.10
7) Phenol-d6	7.17	99	260475	148.22	ng	-0.08
23) Nitrobenzene-d5	9.16	82	156466	92.60	ng	-0.10
41) 2,4,6-Tribromophenol	16.13	330	87215	106.61	ng	-0.09
44) 2-Fluorobiphenyl	13.25	172	420885	88.59	ng	-0.09
78) Terphenyl-d14	19.98	244	554946	98.99	ng	-0.08

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.33	88	18763	35.01	ng	# 68
3) Pyridine	3.76	79	52209	36.05	ng	98
4) n-Nitrosodimethylamine	3.67	42	14758	45.57	ng	# 98
6) Aniline	7.31	93	65244	29.22	ng	# 83
8) 2-Chlorophenol	7.55	128	75159	48.65	ng	# 81
10) Phenol	7.20	94	85787	47.35	ng	79
11) bis(2-Chloroethyl)ether	7.40	93	69689	48.24	ng	# 71
12) 1,3-Dichlorobenzene	7.87	146	64929	39.21	ng	# 91
13) 1,4-Dichlorobenzene	8.02	146	68158	41.31	ng	94
14) 1,2-Dichlorobenzene	8.33	146	68740	41.33	ng	95
15) Benzyl Alcohol	8.24	79	53347	46.98	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	8.52	45	69204	46.17	ng	80
17) 2-Methylphenol	8.45	107	65864	48.71	ng	# 83
18) Hexachloroethane	9.06	117	25788	42.80	ng	90
19) n-Nitroso-di-n-propylamine	8.79	70	54864	46.12	ng	# 67
20) 3+4-Methylphenols	8.79	107	89190	45.99	ng	97
22) Acetophenone	8.82	105	108947	42.92	ng	# 81
24) Nitrobenzene	9.20	77	77642	45.70	ng	# 83
25) Isophorone	9.72	82	170743	43.19	ng	# 95
26) 2-Nitrophenol	9.92	139	41892	45.47	ng	# 73
27) 2,4-Dimethylphenol	9.99	122	78820	47.26	ng	93
28) bis(2-Chloroethoxy)methane	10.20	93	102866	45.42	ng	94
29) 2,4-Dichlorophenol	10.47	162	69434	44.94	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	67877	39.32	ng	97
31) Naphthalene	10.86	128	261437	44.46	ng	97
32) Benzoic acid	10.16	122	25316	45.43	ng	# 75
33) 4-Chloroaniline	10.99	127	12739	5.21	ng	# 92
34) Hexachlorobutadiene	11.13	225	32676	35.26	ng	97
35) Caprolactam	11.76	113	14021	16.54	ng	# 43
36) 4-Chloro-3-methylphenol	12.12	107	86360	47.16	ng	# 87
37) 2-Methylnaphthalene	12.46	142	183898	42.36	ng	93
39) 1,2,4,5-Tetrachlorobenzene	12.82	216	73536	39.46	ng	98
40) Hexachlorocyclopentadiene	12.79	237	26683	31.42	ng	94
42) 2,4,6-Trichlorophenol	13.08	196	54247	43.39	ng	99

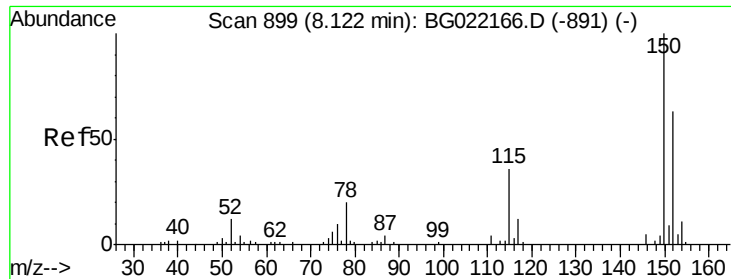
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062116\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	13.17	196	56469	40.88	ng	95
45) 1,1'-Biphenyl	13.46	154	244953	44.96	ng	95
46) 2-Chloronaphthalene	13.51	162	187447	44.88	ng	96
47) 2-Nitroaniline	13.73	65	47472	47.67	ng	# 59
48) Acenaphthylene	14.36	152	331426	45.22	ng	97
49) Dimethylphthalate	14.09	163	260531	43.40	ng	100
50) 2,6-Dinitrotoluene	14.22	165	58418	44.76	ng	# 80
51) Acenaphthene	14.70	154	196096	44.66	ng	94
52) 3-Nitroaniline	14.56	138	26442	18.27	ng	85
53) 2,4-Dinitrophenol	14.77	184	39878	75.54	ng	# 74
54) Dibenzofuran	15.03	168	306779	44.77	ng	98
55) 4-Nitrophenol	14.91	139	56810	56.87	ng	# 74
56) 2,4-Dinitrotoluene	15.02	165	81035	46.29	ng	# 85
57) Fluorene	15.68	166	259193	43.91	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.27	232	44517	35.93	ng	89
59) Diethylphthalate	15.44	149	279600	43.60	ng	97
60) 4-Chlorophenyl-phenylether	15.67	204	111603	41.75	ng	95
61) 4-Nitroaniline	15.68	138	3684	2.40	ng	# 26
62) Azobenzene	15.96	77	231851	47.74	ng	86
64) 4,6-Dinitro-2-methylphenol	15.78	198	32726	41.17	ng	84
65) n-Nitrosodiphenylamine	15.88	169	218878	47.44	ng	97
66) 4-Bromophenyl-phenylether	16.56	248	63771	42.49	ng	99
67) Hexachlorobenzene	16.68	284	65977	37.72	ng	93
68) Atrazine	16.83	200	67993	39.81	ng	97
69) Pentachlorophenol	17.04	266	38177	50.84	ng	97
70) Phenanthrene	17.42	178	387465	44.54	ng	98
71) Anthracene	17.51	178	384292	44.54	ng	97
72) Carbazole	17.79	167	353231	43.23	ng	97
73) Di-n-butylphthalate	18.32	149	491968	46.05	ng	# 98
74) Fluoranthene	19.43	202	415322	41.53	ng	94
76) Benzidine	19.63	184	69387	19.94	ng	99
77) Pyrene	19.79	202	411630	49.75	ng	99
79) Butylbenzylphthalate	20.66	149	212967	55.50	ng	93
80) Benzo(a)anthracene	21.62	228	344985	46.23	ng	99
81) 3,3'-Dichlorobenzidine	21.54	252	45160	21.55	ng	# 95
82) Chrysene	21.68	228	322576	44.42	ng	99
83) Bis(2-ethylhexyl)phthalate	21.50	149	308224	54.62	ng	# 95
84) Di-n-octyl phthalate	22.69	149	508131	54.23	ng	# 85
85) Indeno(1,2,3-cd)pyrene	28.52	276	338103	41.50	ng	# 77
87) Benzo(b)fluoranthene	23.82	252	315198	45.86	ng	# 95
88) Benzo(k)fluoranthene	23.89	252	315980	46.70	ng	# 93
89) Benzo(a)pyrene	24.69	252	304605	46.35	ng	# 91
90) Dibenzo(a,h)anthracene	28.56	278	273858	44.25	ng	# 89
91) Benzo(g,h,i)perylene	29.66	276	277930	43.16	ng	# 86

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 875

Delta R.T. -0.11 min

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ClientSampleId :

PM-STA-1363(0-4)MSD

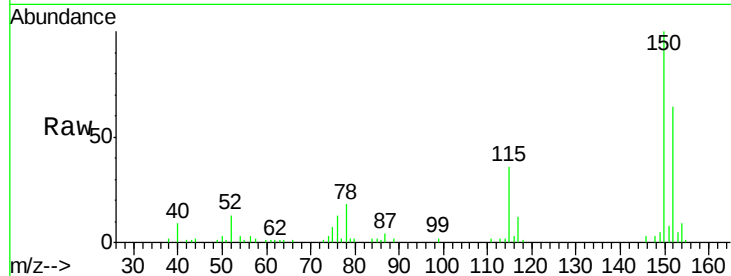
Tgt Ion:152 Resp: 21611

Ion Ratio Lower Upper

152 100

150 156.7 130.1 195.1

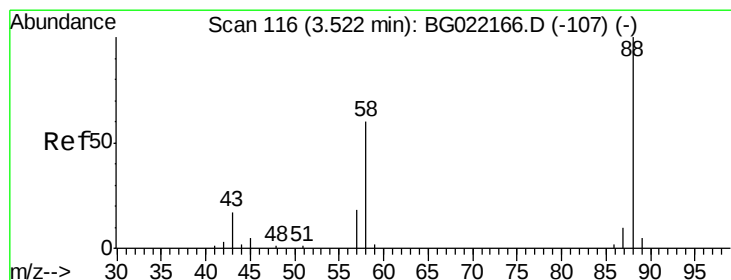
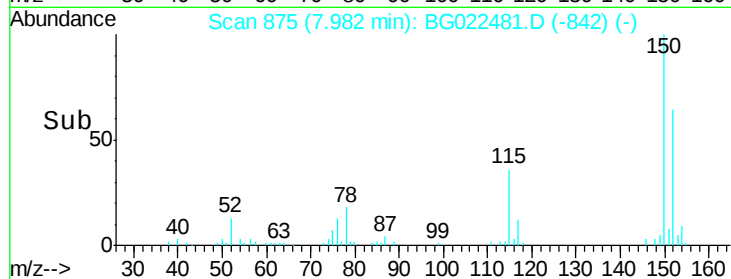
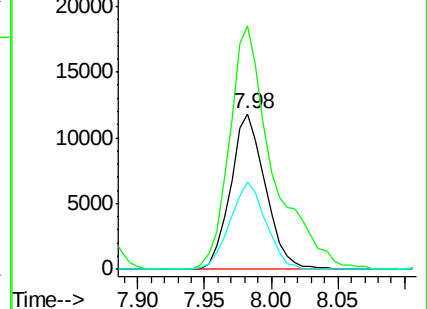
115 56.0 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.01 ng

RT: 3.33 min Scan# 84

Delta R.T. -0.14 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

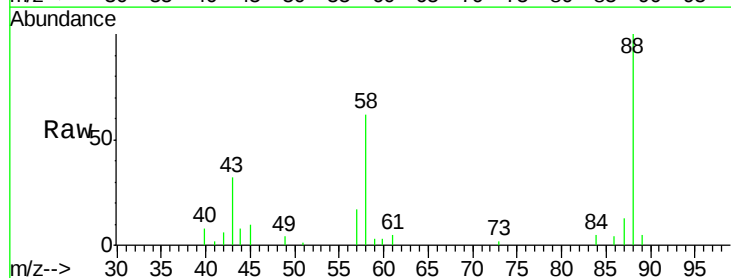
Tgt Ion: 88 Resp: 18763

Ion Ratio Lower Upper

88 100

58 64.8 36.8 55.2#

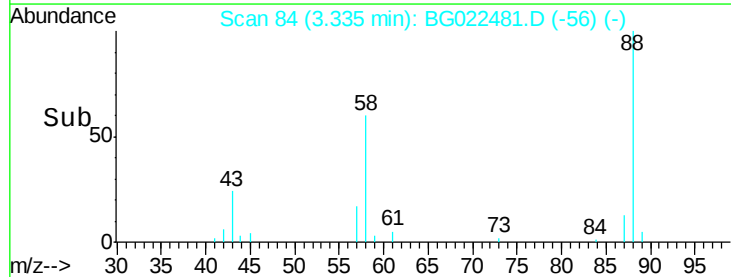
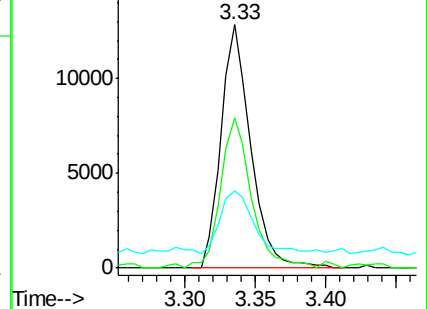
43 30.3 10.4 15.6#

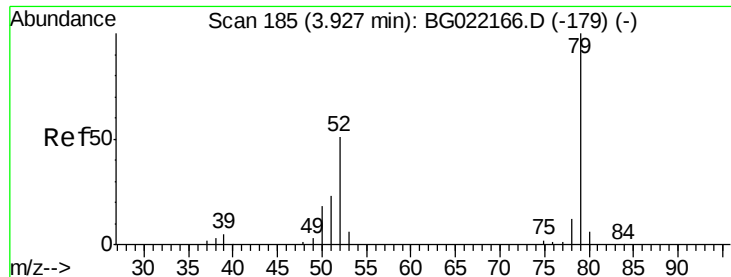


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 36.05 ng

RT: 3.76 min Scan# 156

Delta R.T. -0.13 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

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ClientSampleId :

PM-STA-1363(0-4)MSD

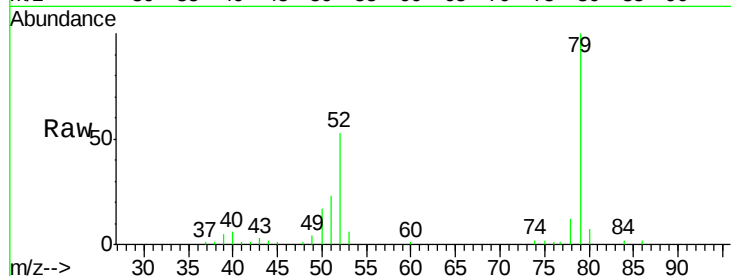
Tgt Ion: 79 Resp: 52209

Ion Ratio Lower Upper

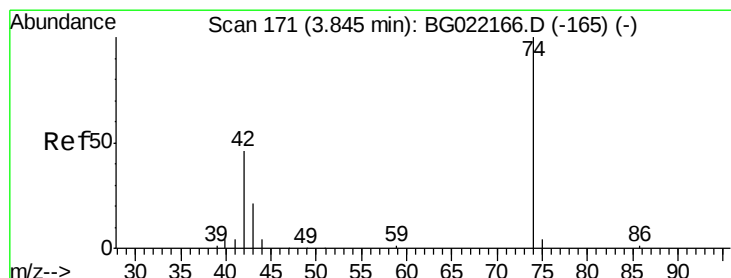
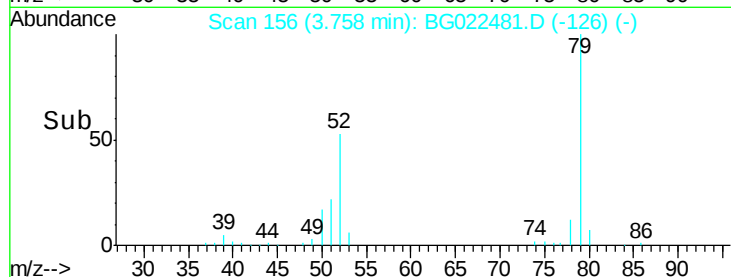
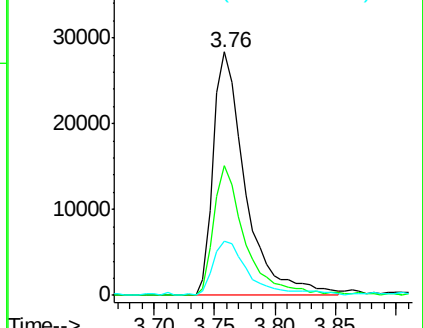
79 100

52 53.1 41.6 62.4

51 22.5 19.2 28.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 45.57 ng

RT: 3.67 min Scan# 141

Delta R.T. -0.14 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

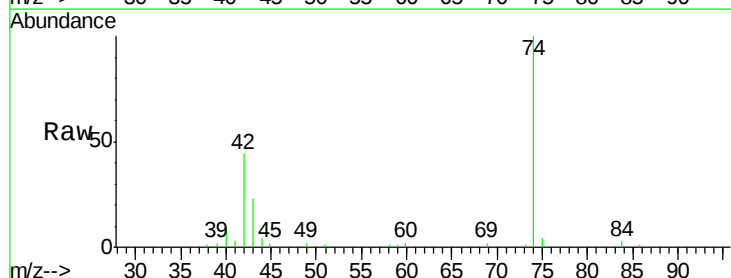
Tgt Ion: 42 Resp: 14758

Ion Ratio Lower Upper

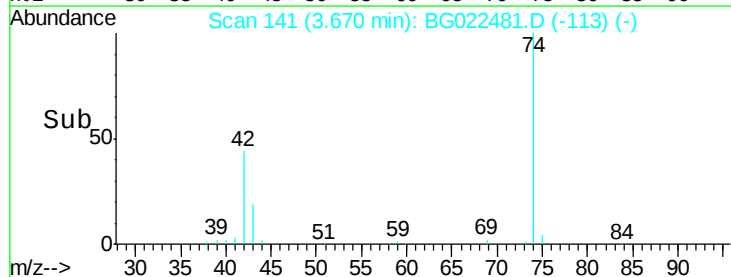
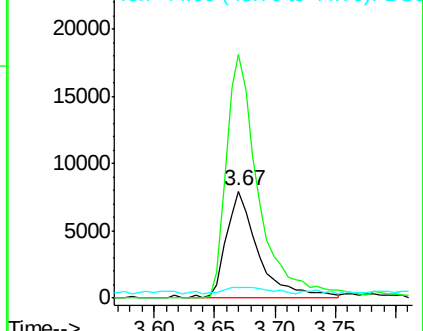
42 100

74 227.4 184.0 276.0

44 10.0 11.0 16.6#



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





#5

2-Fluorophenol

Concen: 163.43 ng

RT: 5.54 min Scan# 459

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

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PM-STA-1363(0-4)MSD

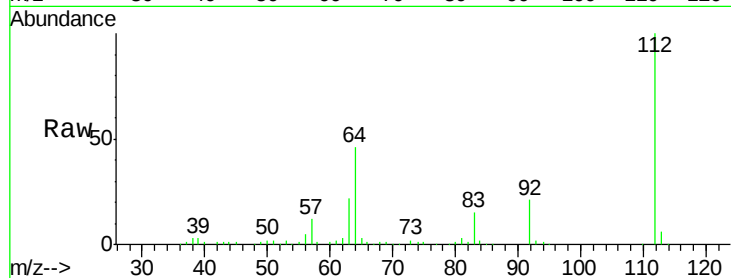
Tgt Ion: 112 Resp: 182667

Ion Ratio Lower Upper

112 100

64 45.9 51.1 76.7#

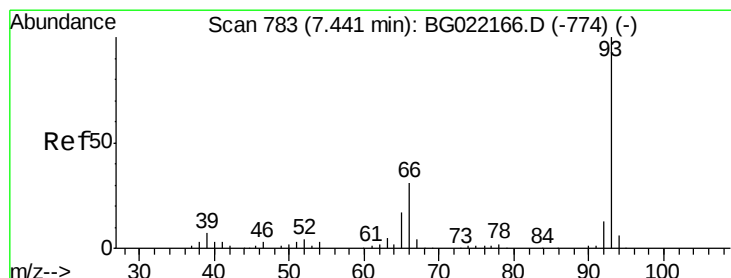
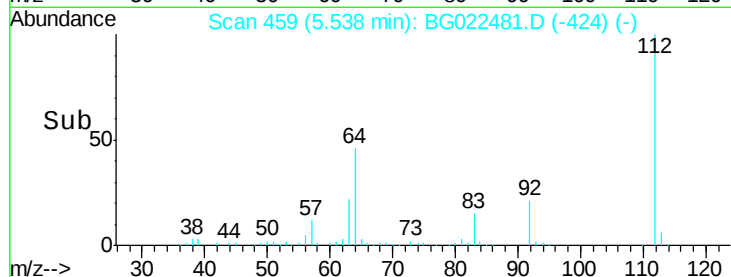
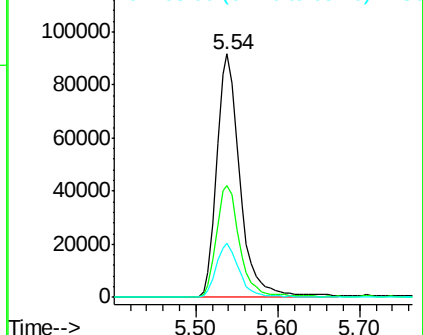
63 22.4 24.6 37.0#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 29.22 ng

RT: 7.31 min Scan# 760

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

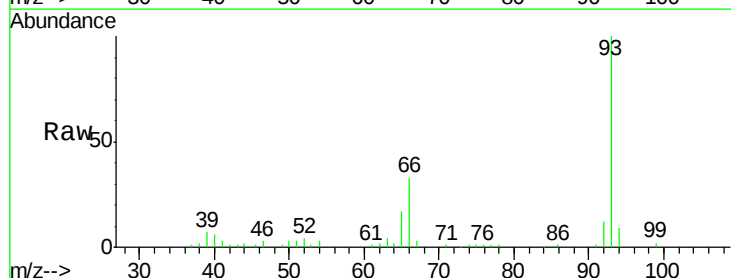
Tgt Ion: 93 Resp: 65244

Ion Ratio Lower Upper

93 100

66 32.7 36.3 54.5#

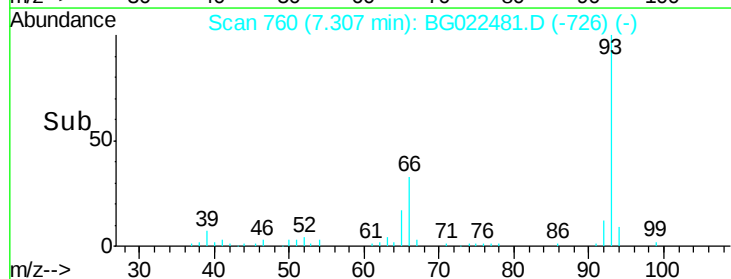
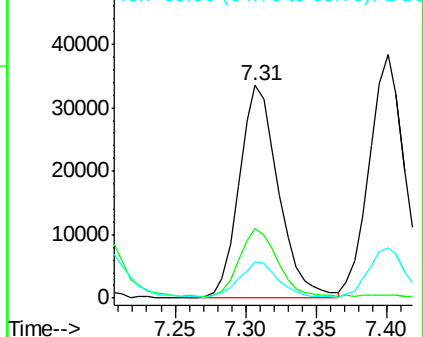
65 16.9 18.4 27.6#

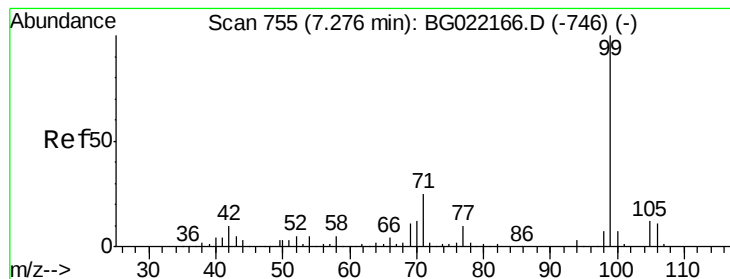


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 148.22 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.08 min

Lab File: BG022481.D

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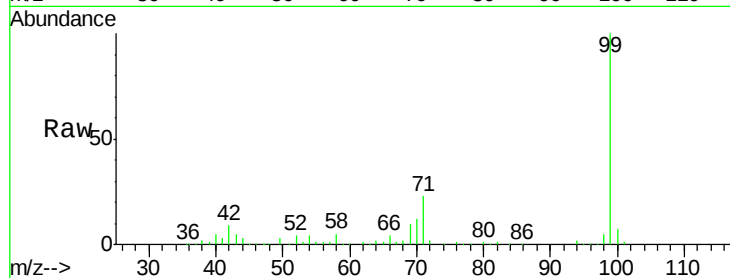
Tgt Ion: 99 Resp: 260475

Ion Ratio Lower Upper

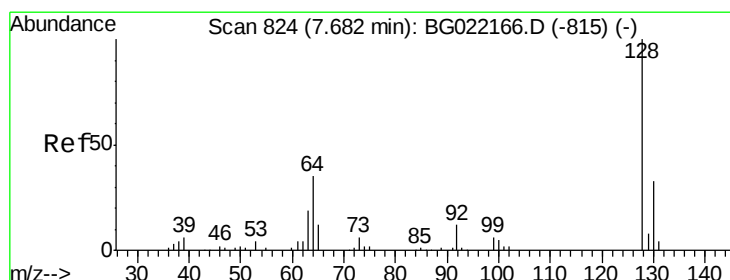
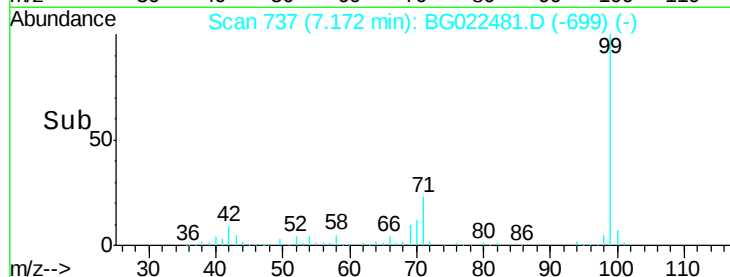
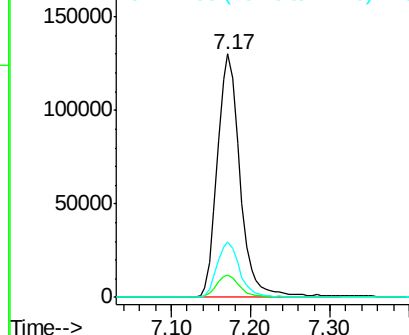
99 100

42 9.2 16.4 24.6#

71 22.6 25.0 37.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 48.65 ng

RT: 7.55 min Scan# 802

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

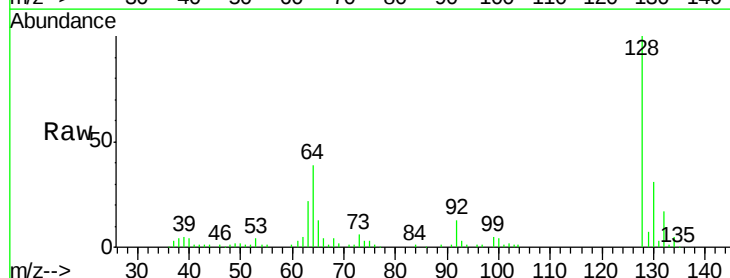
Tgt Ion: 128 Resp: 75159

Ion Ratio Lower Upper

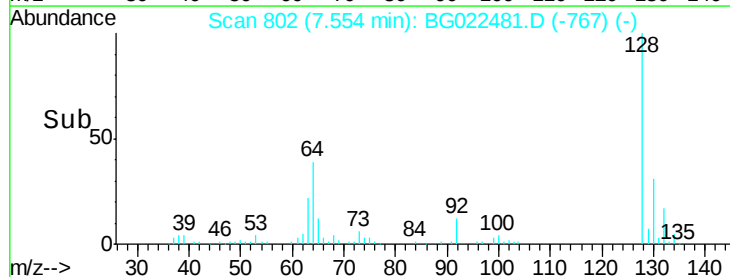
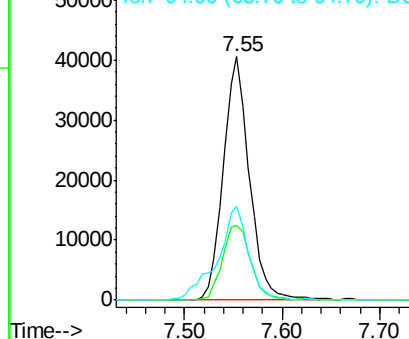
128 100

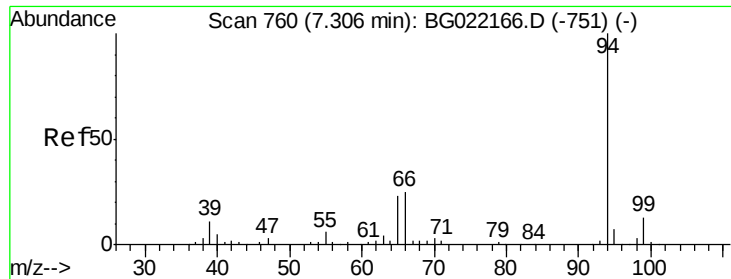
130 30.7 11.2 51.2

64 38.5 39.8 79.8#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#10

Phenol

Concen: 47.35 ng

RT: 7.20 min Scan# 742

Delta R.T. -0.08 min

Lab File: BG022481.D

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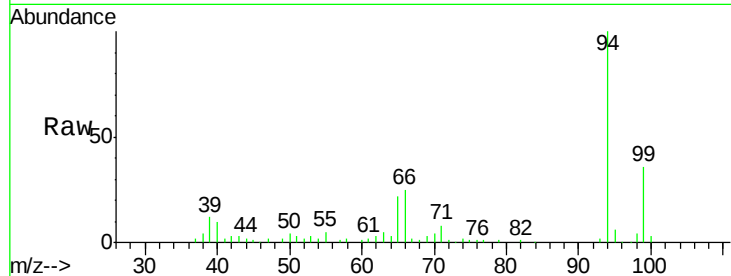
Tgt Ion: 94 Resp: 85787

Ion Ratio Lower Upper

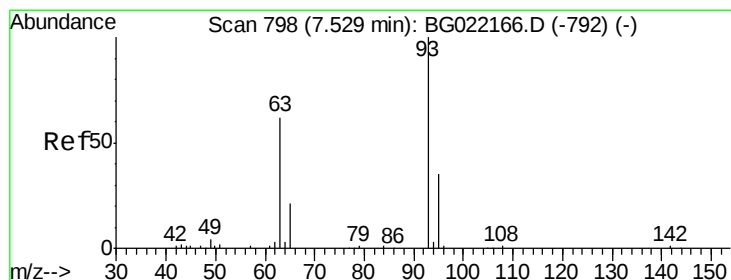
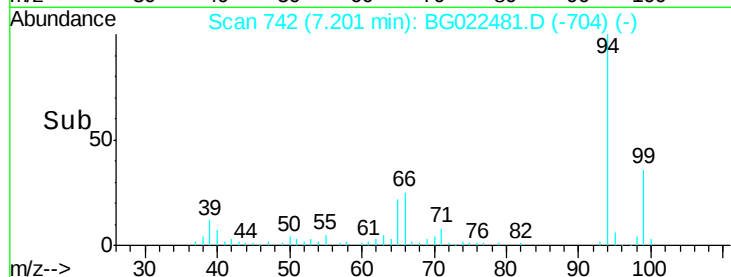
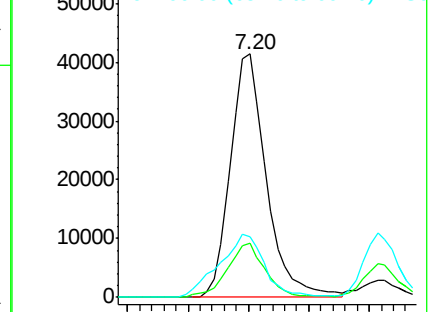
94 100

65 22.3 9.8 49.8

66 25.0 20.8 60.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 48.24 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

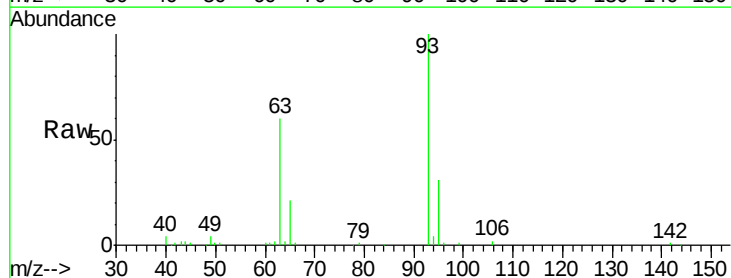
Tgt Ion: 93 Resp: 69689

Ion Ratio Lower Upper

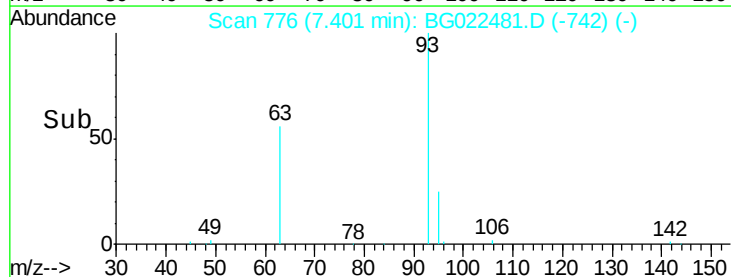
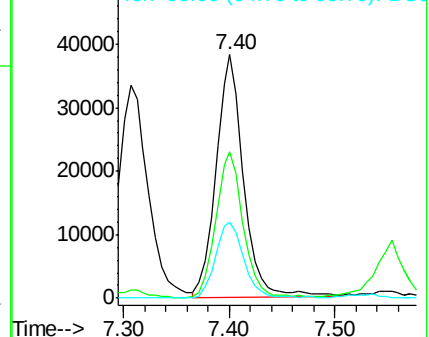
93 100

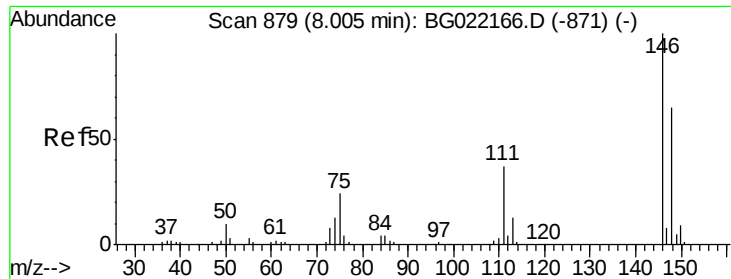
63 60.2 74.9 114.9#

95 31.4 8.3 48.3



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

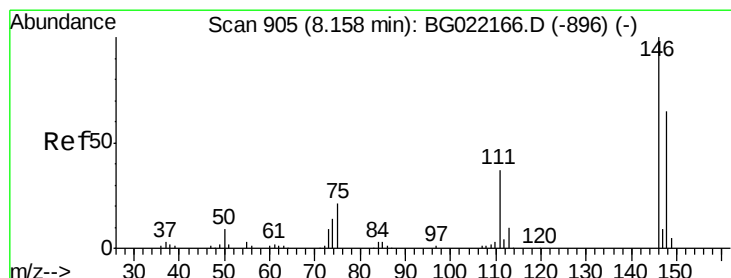
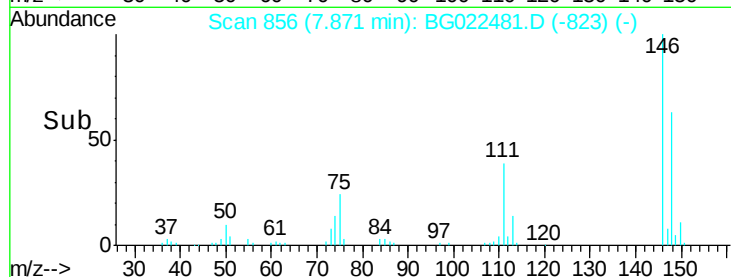
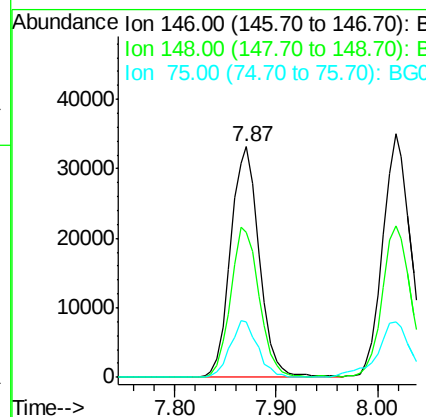
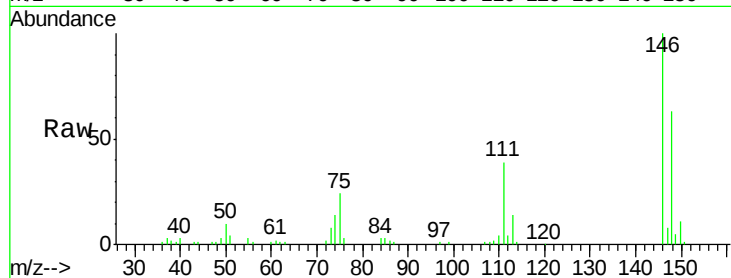




#12
 1,3-Dichlorobenzene
 Concen: 39.21 ng
 RT: 7.87 min Scan# 856
 Delta R.T. -0.11 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

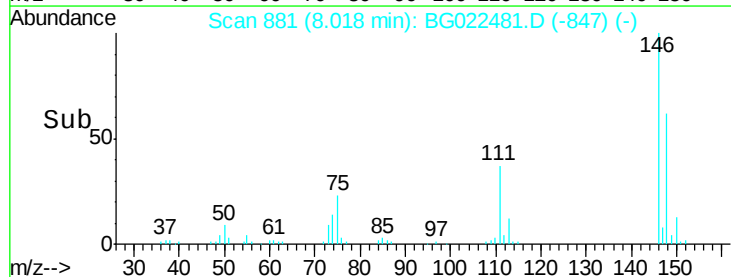
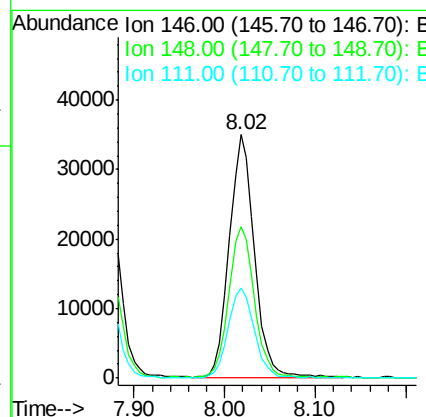
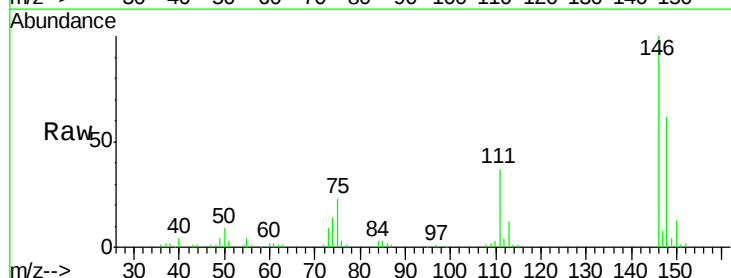
Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

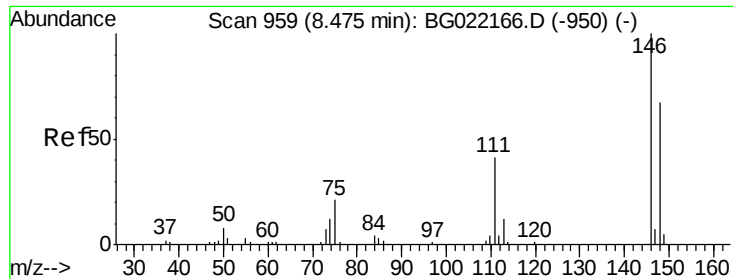
Tgt Ion:146 Resp: 64929
 Ion Ratio Lower Upper
 146 100
 148 63.1 53.7 80.5
 75 23.9 27.4 41.0#



#13
 1,4-Dichlorobenzene
 Concen: 41.31 ng
 RT: 8.02 min Scan# 881
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Tgt Ion:146 Resp: 68158
 Ion Ratio Lower Upper
 146 100
 148 62.1 46.7 70.1
 111 37.0 33.0 49.6





#14

1,2-Dichlorobenzene

Concen: 41.33 ng

RT: 8.33 min Scan# 935

Delta R.T. -0.11 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

BNA_G

ClientSampleId :

PM-STA-1363(0-4)MSD

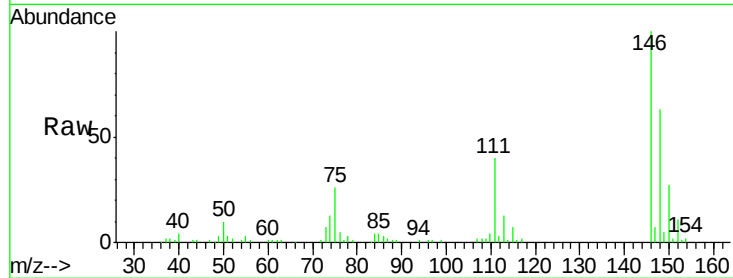
Tgt Ion:146 Resp: 68740

Ion Ratio Lower Upper

146 100

148 63.3 52.6 79.0

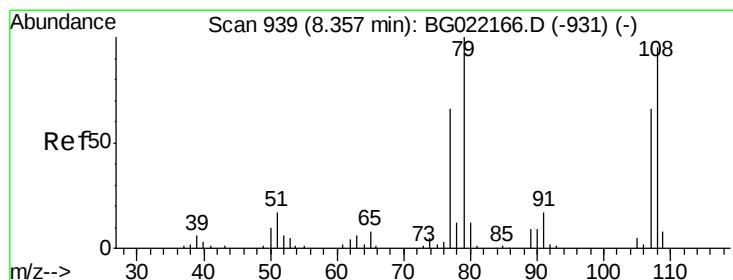
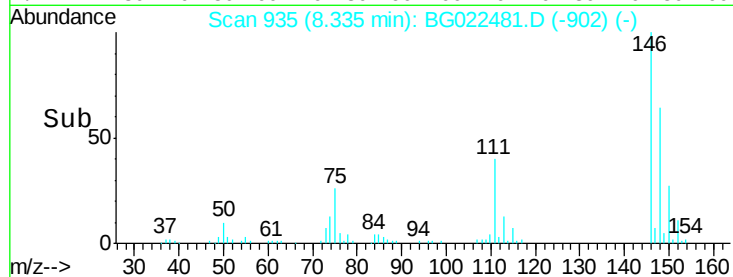
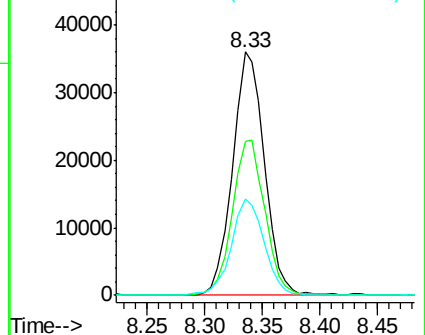
111 39.7 36.1 54.1



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



#15

Benzyl Alcohol

Concen: 46.98 ng

RT: 8.24 min Scan# 918

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

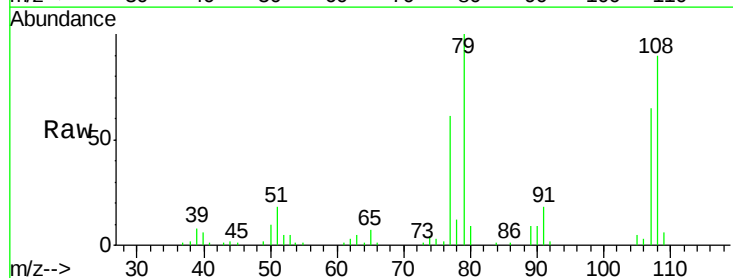
Tgt Ion: 79 Resp: 53347

Ion Ratio Lower Upper

79 100

108 89.5 59.4 89.0#

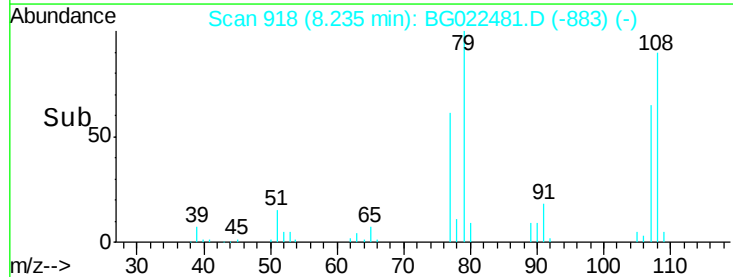
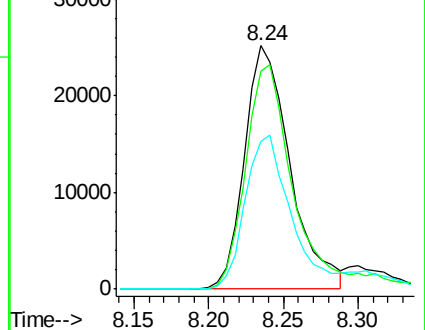
77 60.8 52.2 78.2

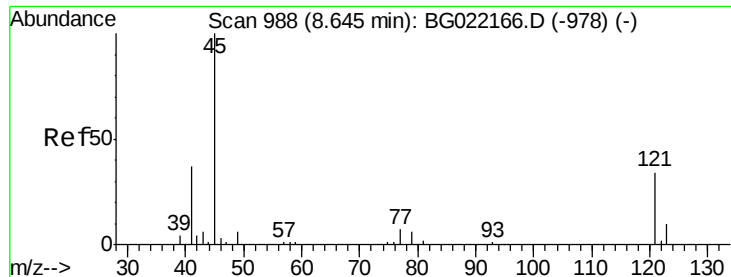


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

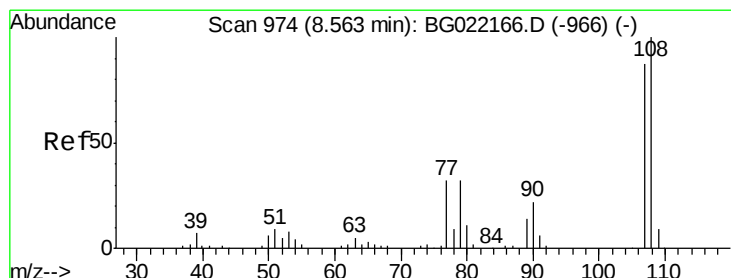
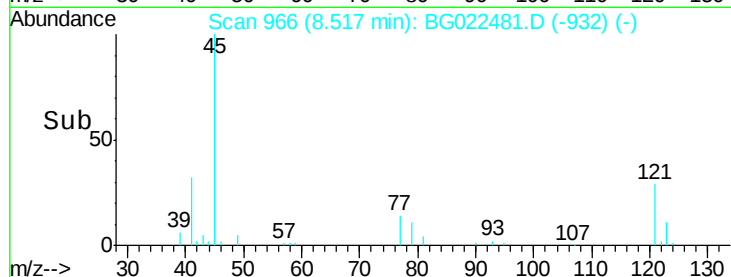
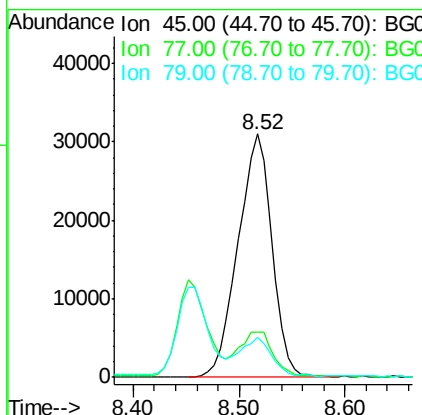
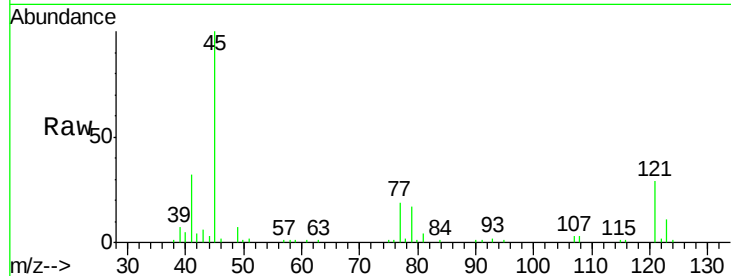




#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.17 ng
RT: 8.52 min Scan# 966
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

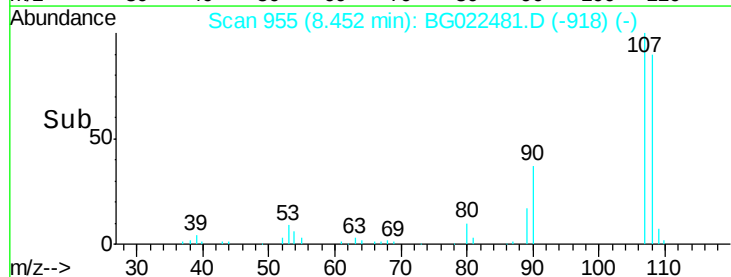
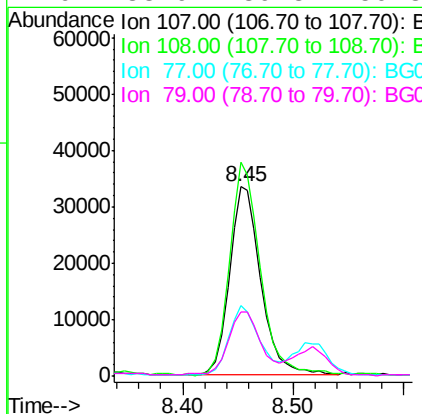
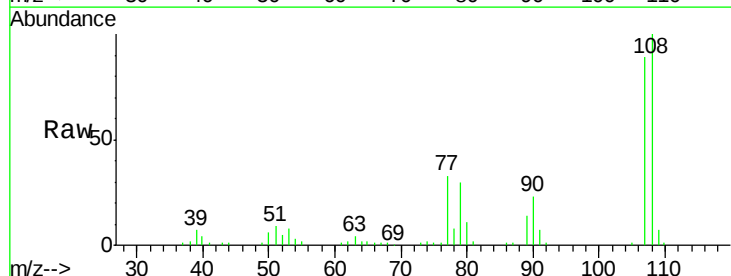
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

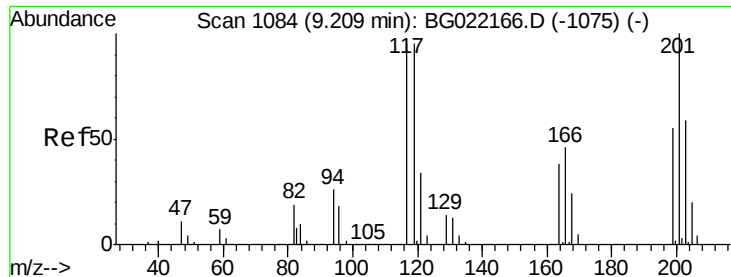
Tgt Ion: 45 Resp: 69204
Ion Ratio Lower Upper
45 100
77 18.6 0.0 31.2
79 16.7 0.0 29.0



#17
2-Methylphenol
Concen: 48.71 ng
RT: 8.45 min Scan# 955
Delta R.T. -0.08 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion: 107 Resp: 65864
Ion Ratio Lower Upper
107 100
108 112.8 80.2 120.4
77 36.9 40.7 61.1#
79 33.9 39.8 59.8#

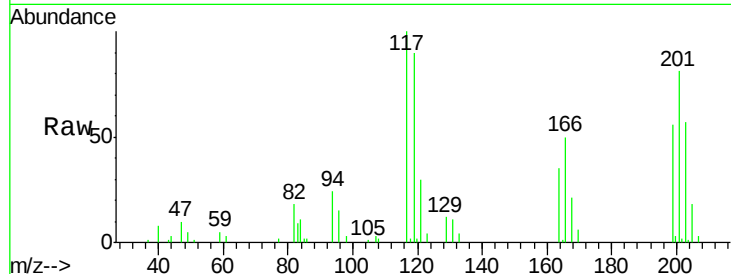




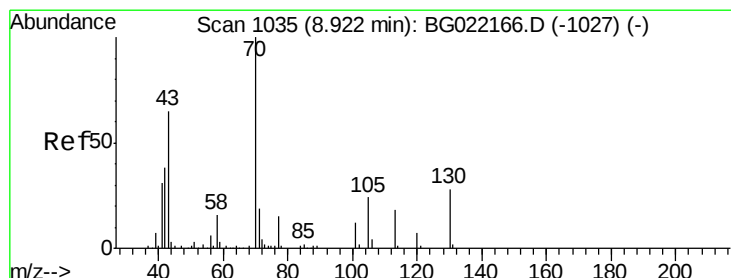
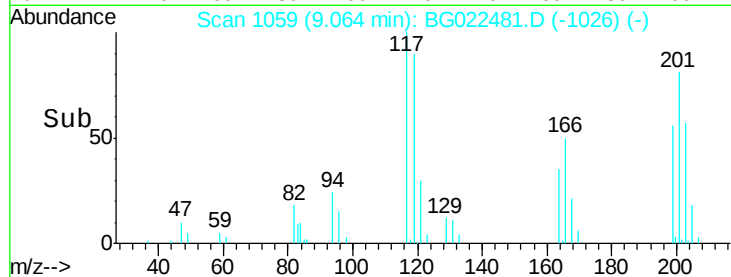
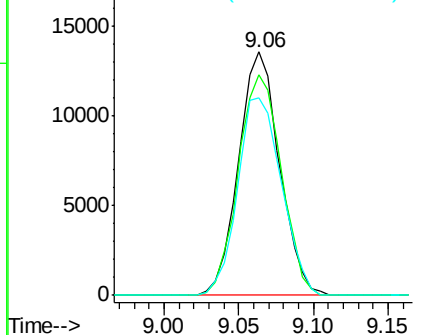
#18
 Hexachloroethane
 Concen: 42.80 ng
 RT: 9.06 min Scan# 1059
 Delta R.T. -0.11 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

Tgt Ion: 117 Resp: 25788
 Ion Ratio Lower Upper
 117 100
 119 90.3 63.9 95.9
 201 83.4 61.2 91.8

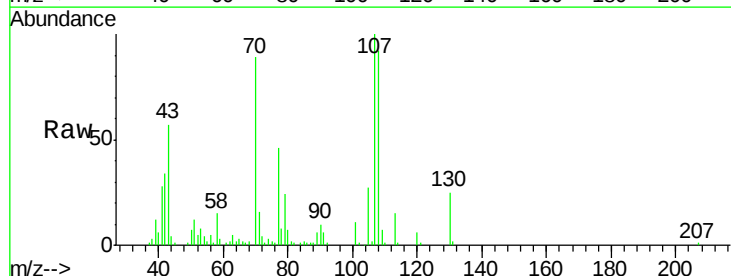


Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E

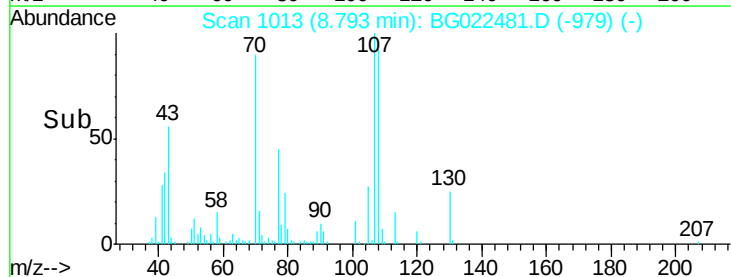
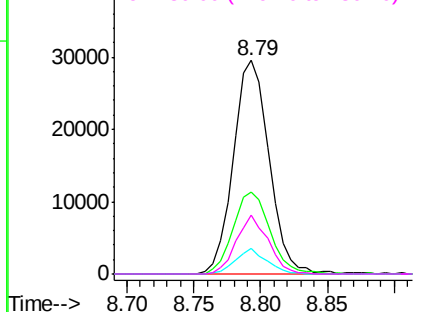


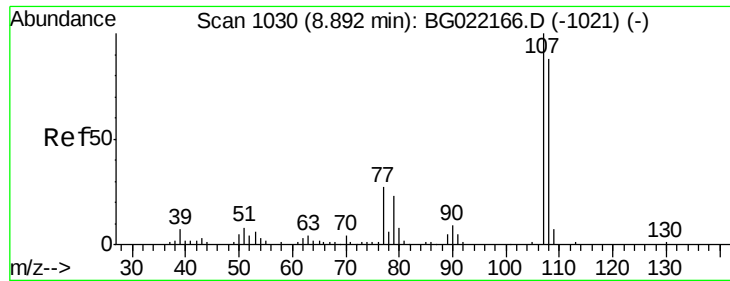
#19
 n-Nitroso-di-n-propylamine
 Concen: 46.12 ng
 RT: 8.79 min Scan# 1013
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Tgt Ion: 70 Resp: 54864
 Ion Ratio Lower Upper
 70 100
 42 38.4 56.7 85.1#
 101 12.2 8.2 12.4
 130 27.8 14.0 21.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): E
 Ion 130.00 (129.70 to 130.70): E

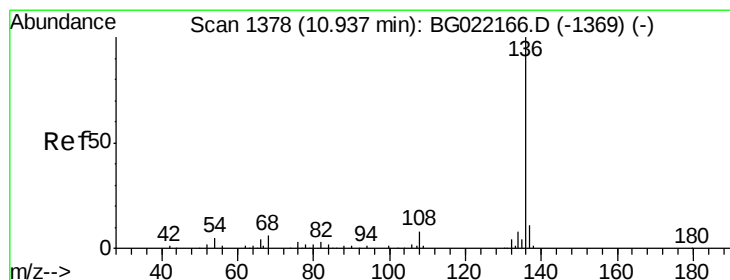
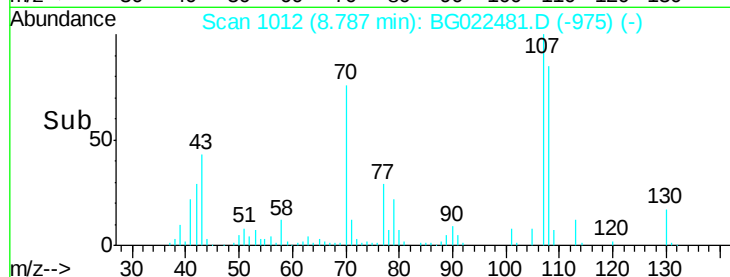
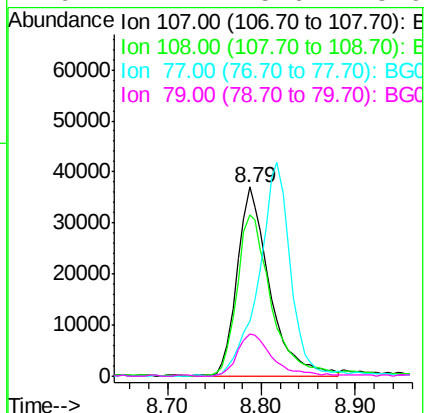
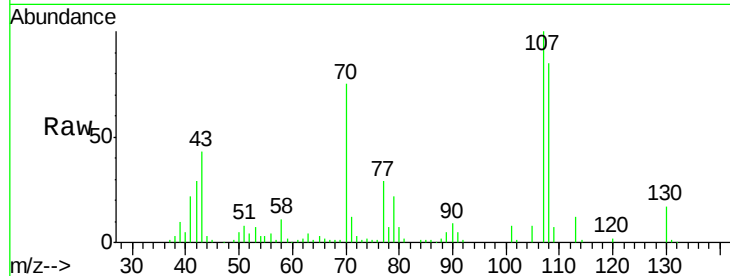




#20
3+4-Methylphenols
Concen: 45.99 ng
RT: 8.79 min Scan# 1012
Delta R.T. -0.08 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

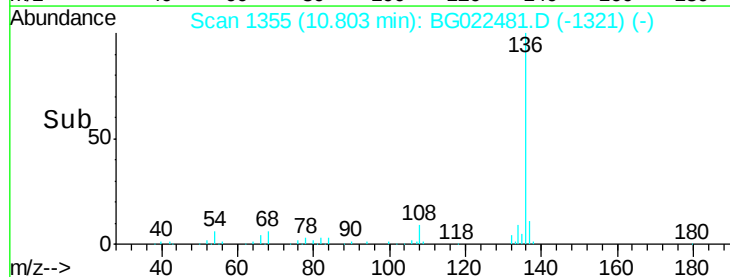
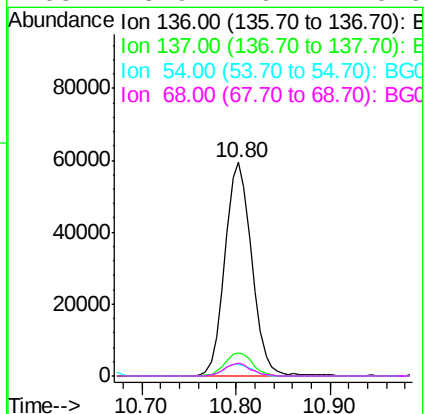
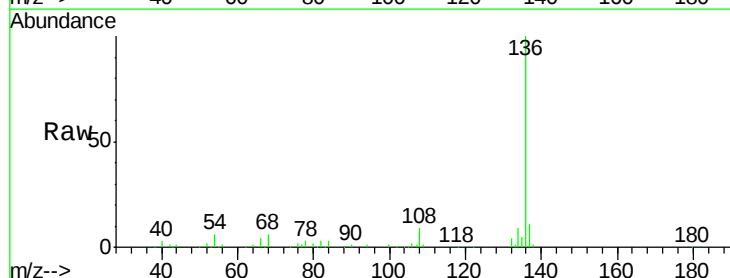
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

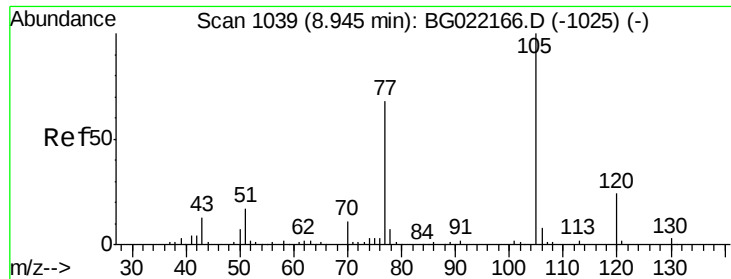
Tgt Ion:	107	Resp:	89190
Ion	Ratio	Lower	Upper
107	100		
108	85.4	66.2	106.2
77	29.3	11.5	51.5
79	22.2	5.6	45.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.80 min Scan# 1355
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion:	136	Resp:	117798
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.7	9.6	14.4#
68	5.9	6.4	9.6#





#22

Acetophenone

Concen: 42.92 ng

RT: 8.82 min Scan# 1017

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

BNA_G

ClientSampleId :

PM-STA-1363(0-4)MSD

Tgt Ion: 105 Resp: 108947

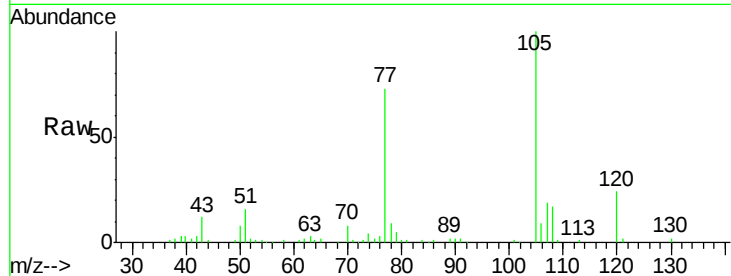
Ion Ratio Lower Upper

105 100

71 1.2 0.0 0.0#

51 16.5 25.7 38.5#

120 23.9 17.0 25.6

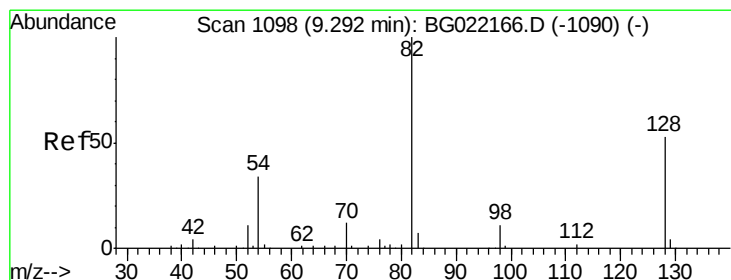
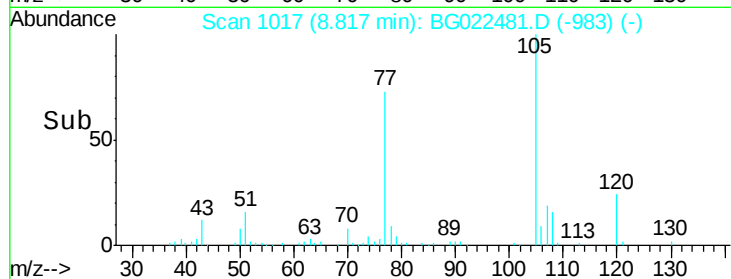
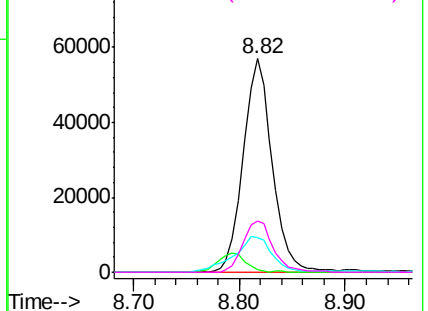


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 92.60 ng

RT: 9.16 min Scan# 1075

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

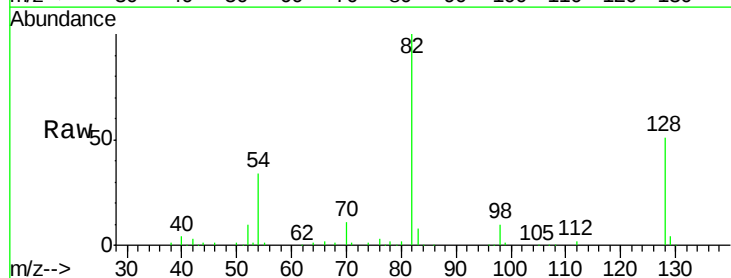
Tgt Ion: 82 Resp: 156466

Ion Ratio Lower Upper

82 100

128 50.6 33.4 50.0#

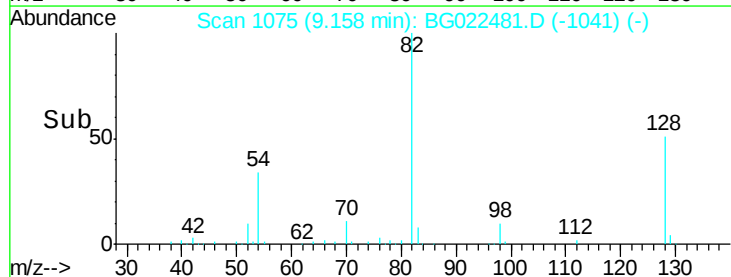
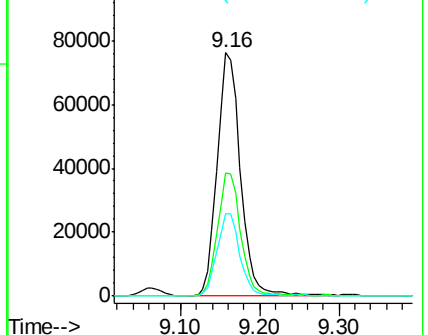
54 33.6 46.1 69.1#

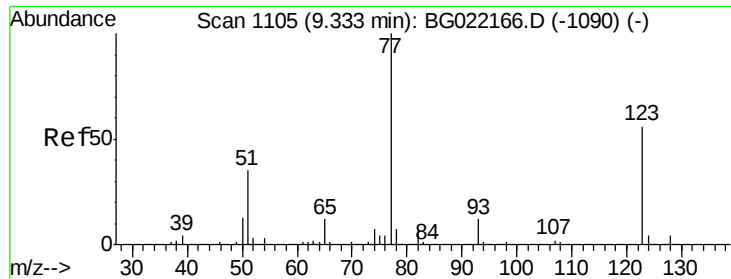


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

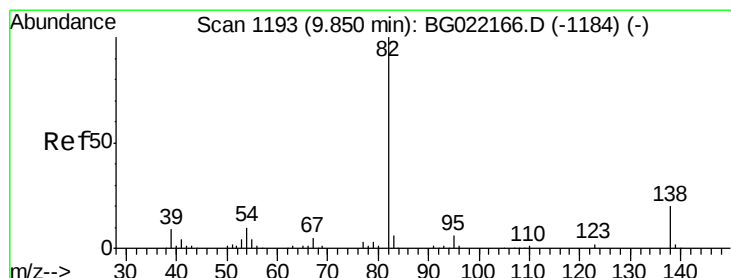
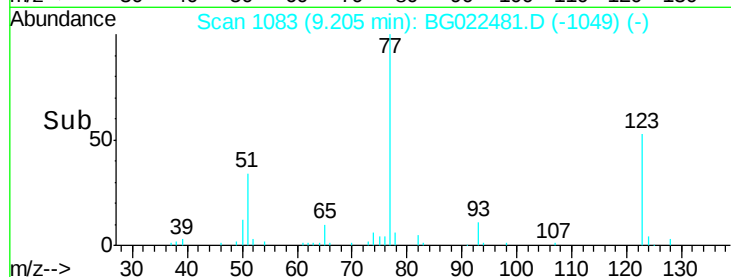
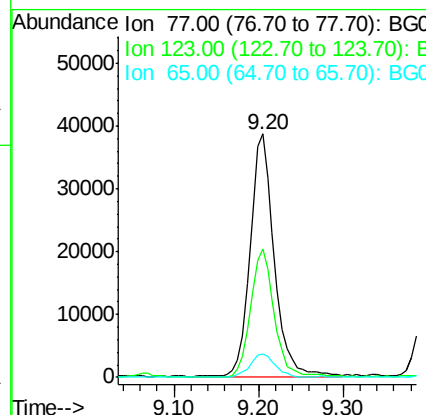
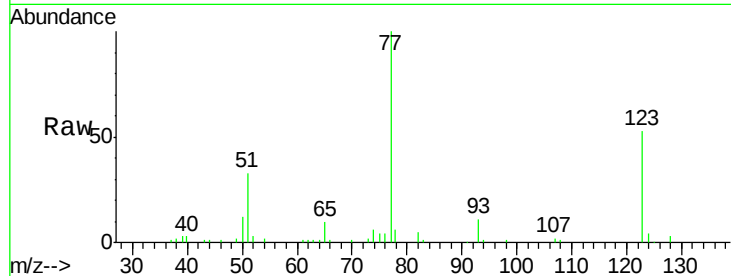




#24
 Nitrobenzene
 Concen: 45.70 ng
 RT: 9.20 min Scan# 1083
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

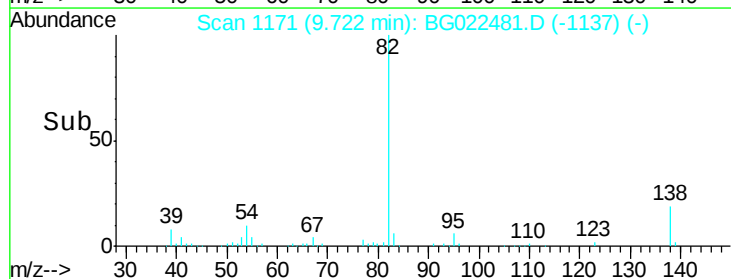
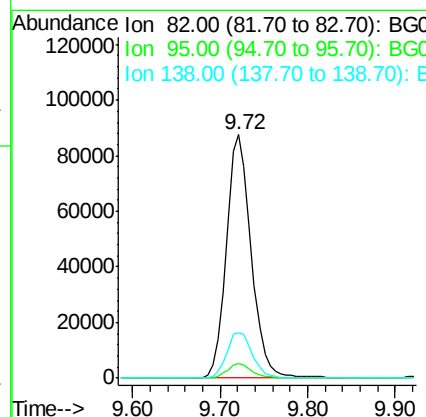
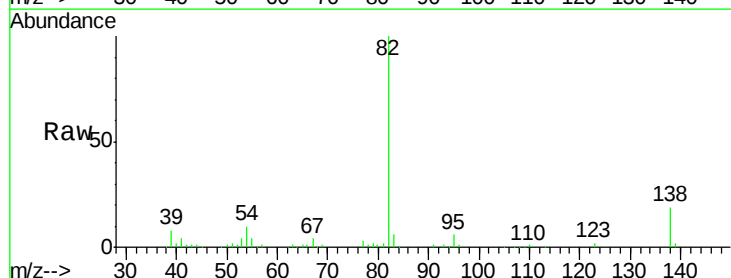
Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

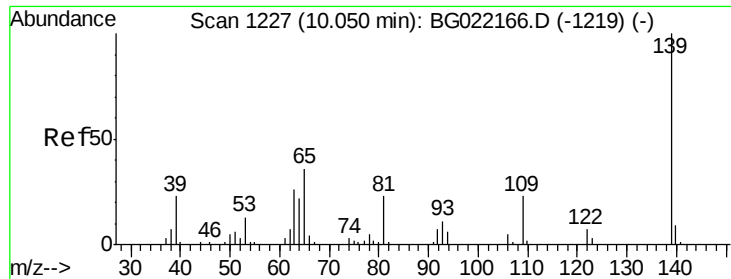
Tgt Ion: 77 Resp: 77642
 Ion Ratio Lower Upper
 77 100
 123 52.5 32.2 48.4#
 65 9.6 10.3 15.5#



#25
 Isophorone
 Concen: 43.19 ng
 RT: 9.72 min Scan# 1171
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Tgt Ion: 82 Resp: 170743
 Ion Ratio Lower Upper
 82 100
 95 5.9 6.0 9.0#
 138 18.8 13.4 20.0

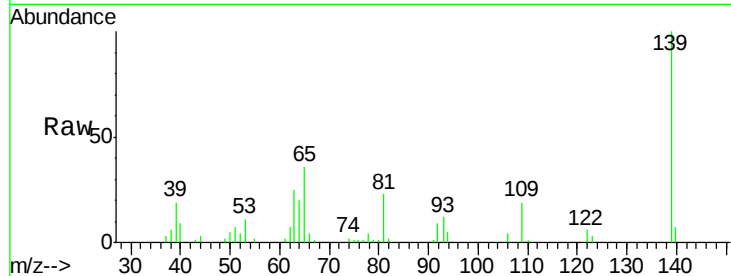




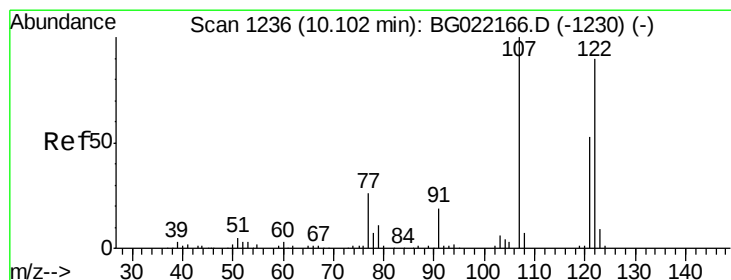
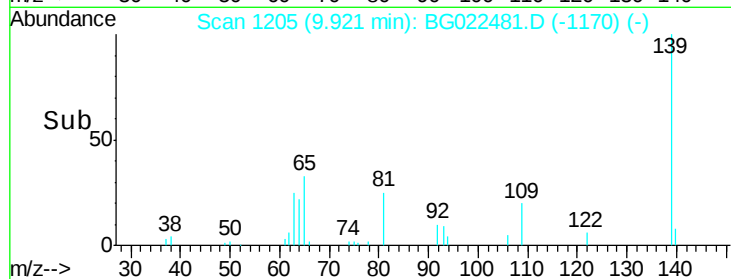
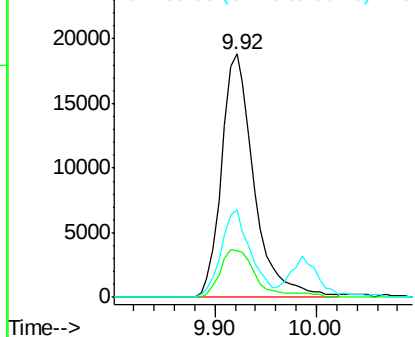
#26
2-Nitrophenol
Concen: 45.47 ng
RT: 9.92 min Scan# 1205
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

Tgt Ion:139 Resp: 41892
Ion Ratio Lower Upper
139 100
109 19.2 26.6 40.0#
65 35.8 45.3 67.9#

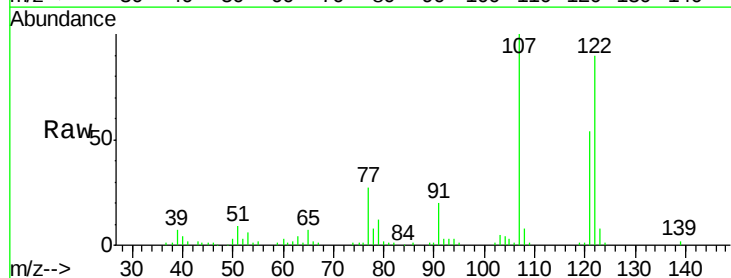


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

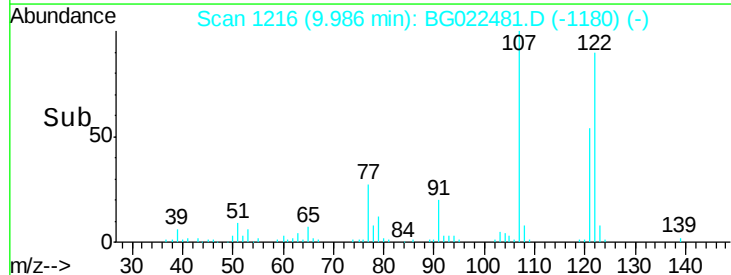
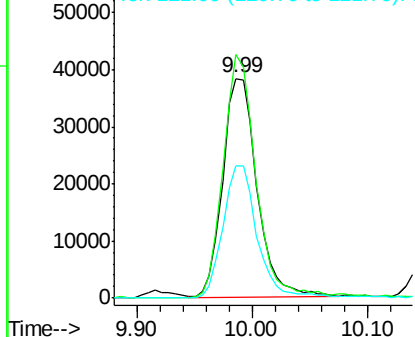


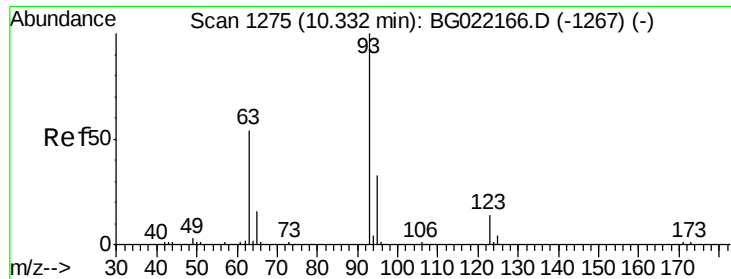
#27
2,4-Dimethylphenol
Concen: 47.26 ng
RT: 9.99 min Scan# 1216
Delta R.T. -0.09 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion:122 Resp: 78820
Ion Ratio Lower Upper
122 100
107 110.9 97.2 145.8
121 60.2 49.0 73.4



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

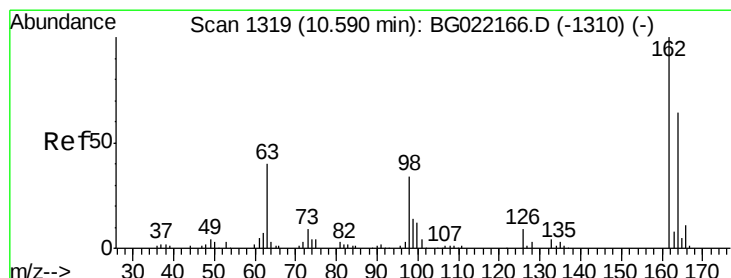
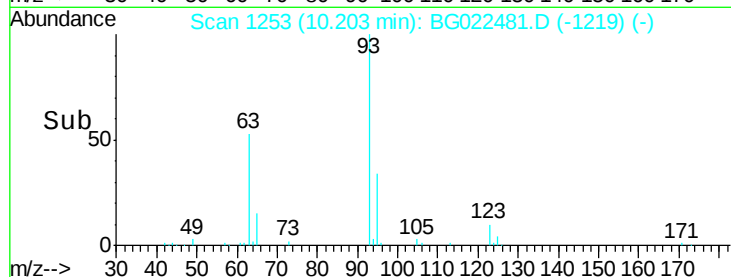
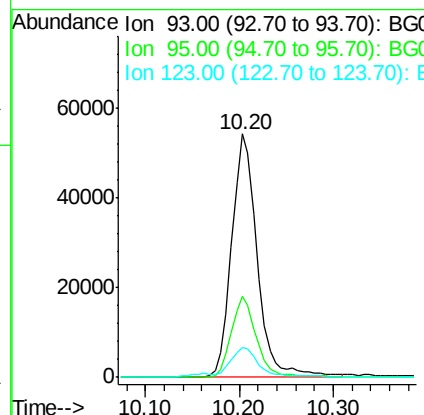
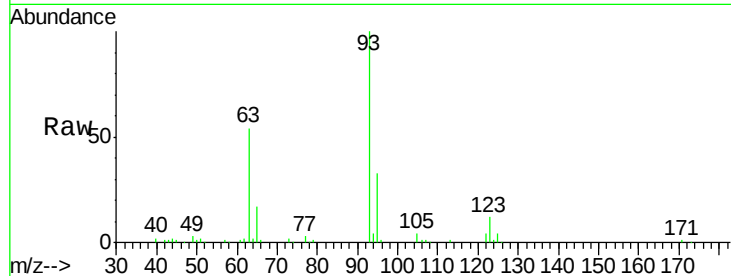




#28
bis(2-Chloroethoxy)methane
Concen: 45.42 ng
RT: 10.20 min Scan# 1253
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

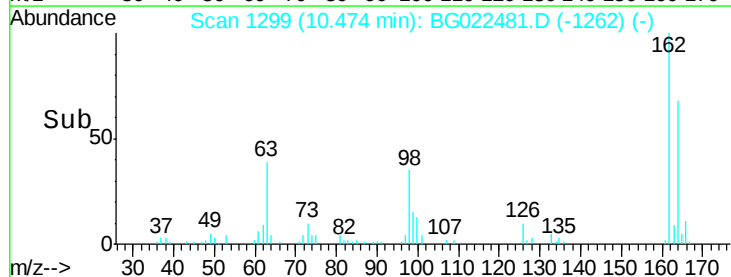
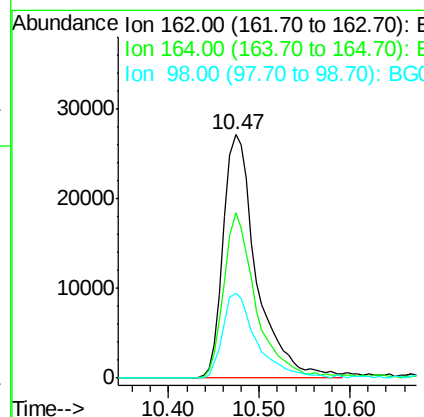
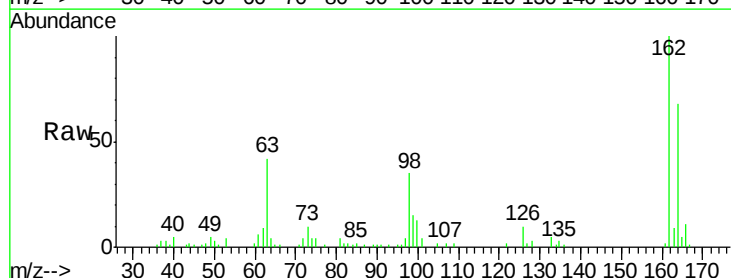
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

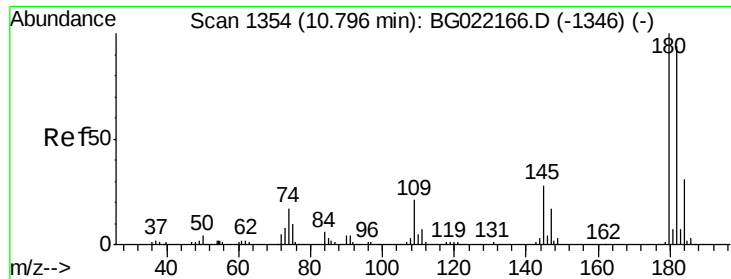
Tgt Ion: 93 Resp: 102866
Ion Ratio Lower Upper
93 100
95 33.2 30.1 45.1
123 12.5 10.2 15.4



#29
2,4-Dichlorophenol
Concen: 44.94 ng
RT: 10.47 min Scan# 1299
Delta R.T. -0.08 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion: 162 Resp: 69434
Ion Ratio Lower Upper
162 100
164 68.2 44.9 84.9
98 35.0 19.2 59.2

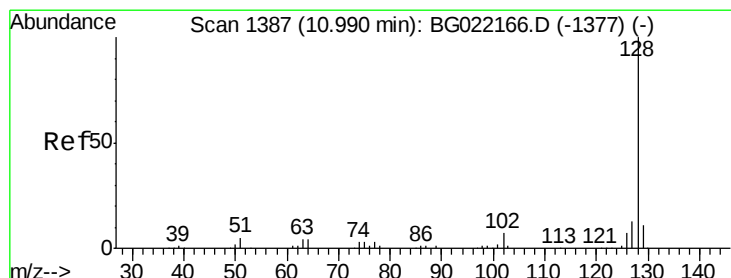
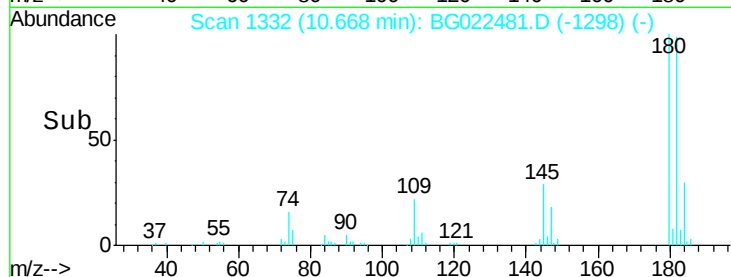
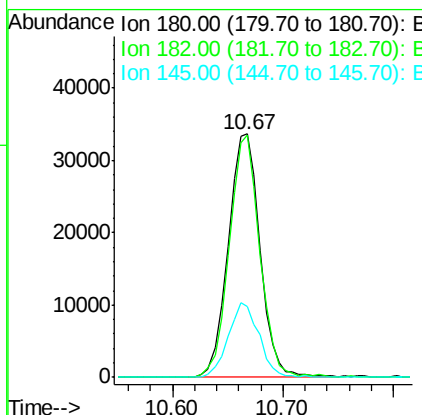
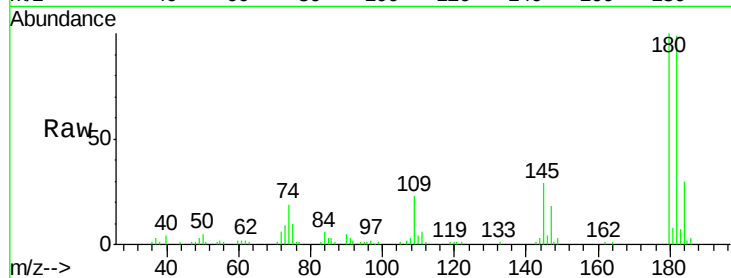




#30
 1,2,4-Trichlorobenzene
 Concen: 39.32 ng
 RT: 10.67 min Scan# 1332
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

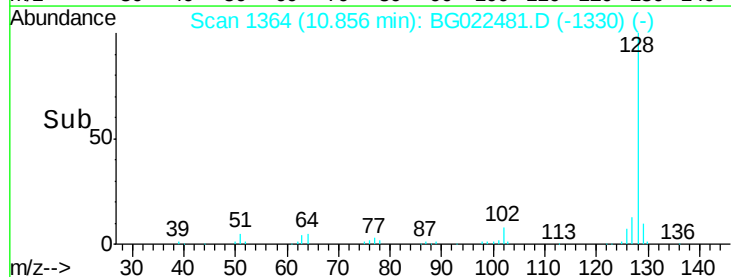
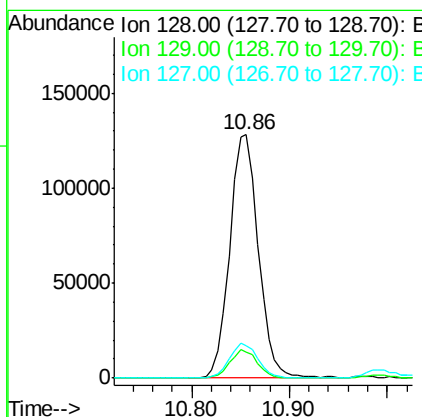
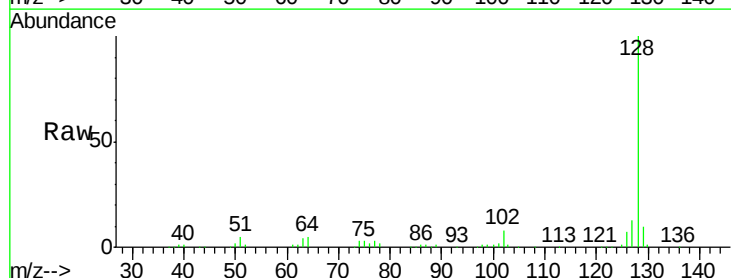
Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

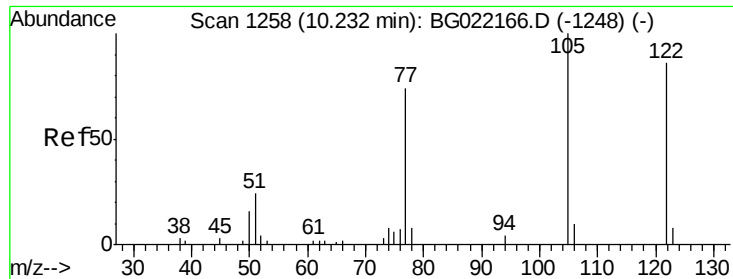
Tgt Ion:180 Resp: 67877
 Ion Ratio Lower Upper
 180 100
 182 99.5 82.3 123.5
 145 29.3 24.4 36.6



#31
 Naphthalene
 Concen: 44.46 ng
 RT: 10.86 min Scan# 1364
 Delta R.T. -0.10 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Tgt Ion:128 Resp: 261437
 Ion Ratio Lower Upper
 128 100
 129 10.5 7.0 10.6
 127 13.4 10.1 15.1

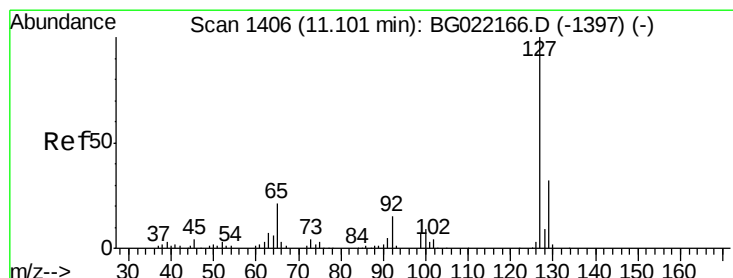
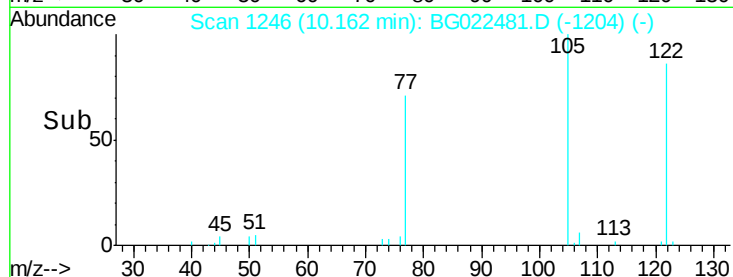
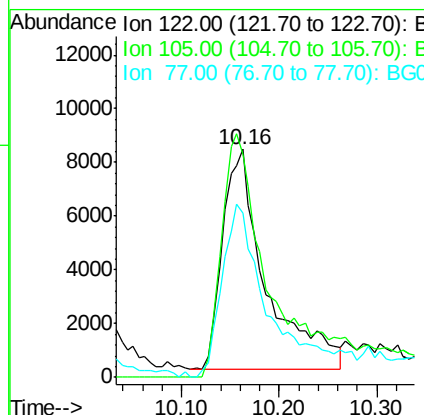
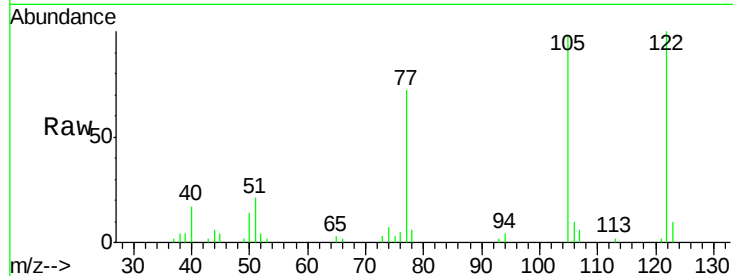




#32
Benzoic acid
Concen: 45.43 ng
RT: 10.16 min Scan# 1246
Delta R.T. -0.06 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

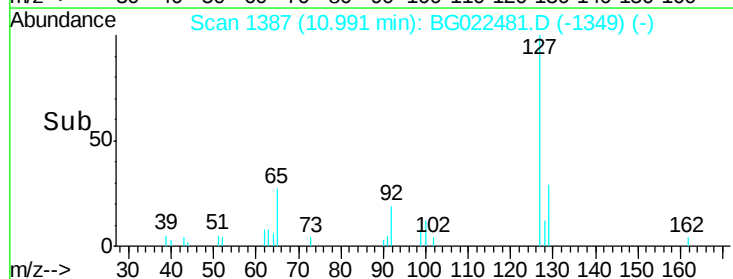
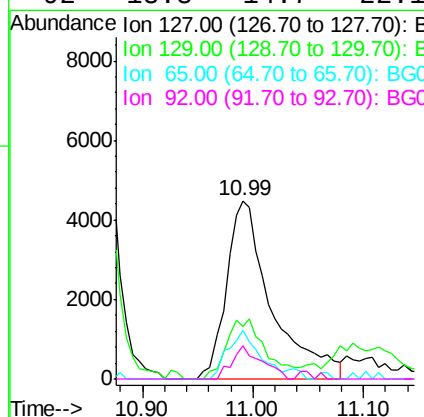
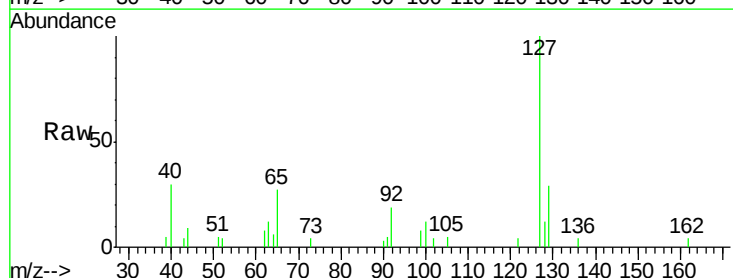
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

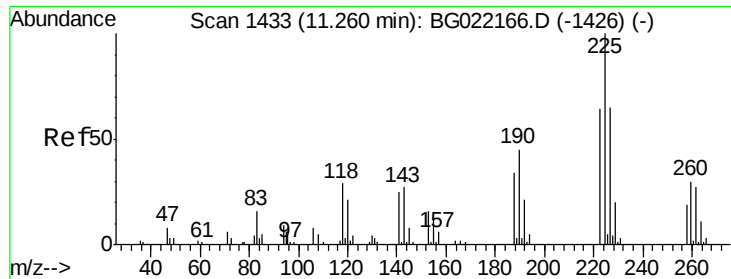
Tgt Ion:122 Resp: 25316
Ion Ratio Lower Upper
122 100
105 97.9 104.5 144.5#
77 72.1 79.9 119.9#



#33
4-Chloroaniline
Concen: 5.21 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.08 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion:127 Resp: 12739
Ion Ratio Lower Upper
127 100
129 29.2 26.6 39.8
65 27.2 27.5 41.3#
92 18.8 14.7 22.1

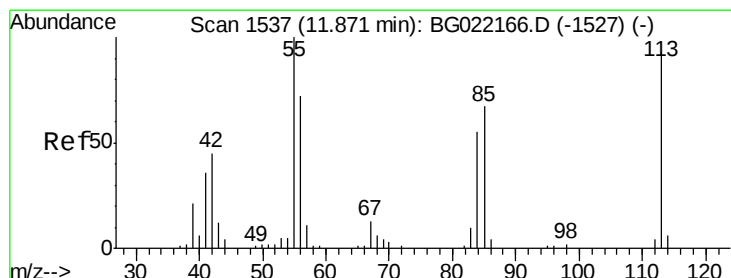
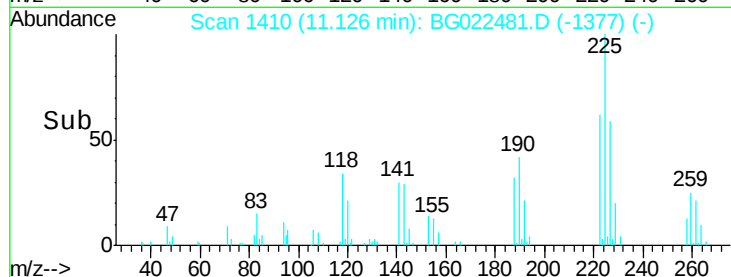
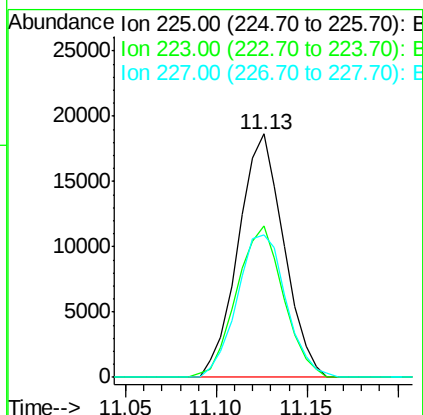
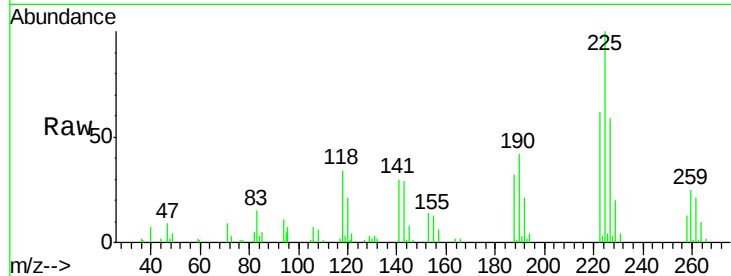




#34
Hexachlorobutadiene
Concen: 35.26 ng
RT: 11.13 min Scan# 1410
Delta R.T. -0.11 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

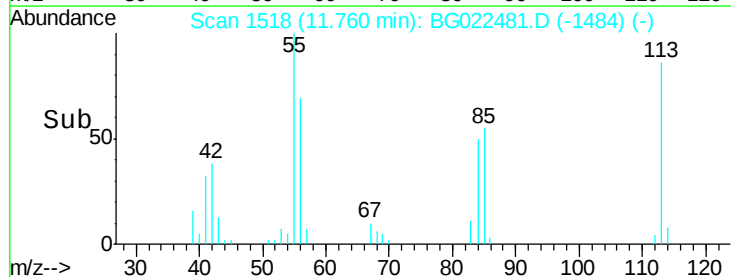
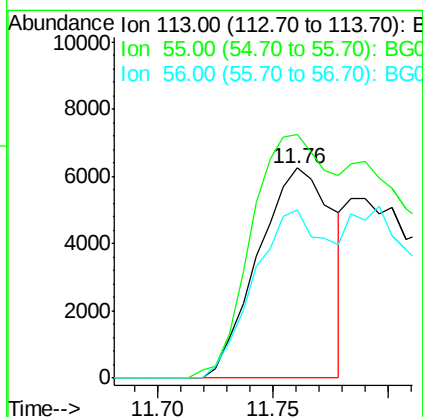
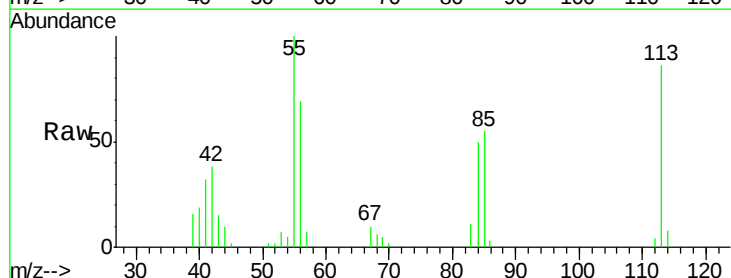
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

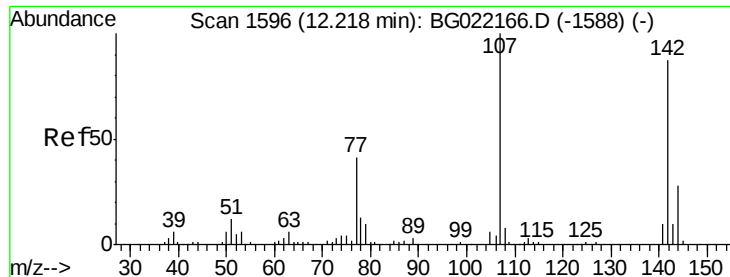
Tgt Ion: 225 Resp: 32676
Ion Ratio Lower Upper
225 100
223 62.6 52.7 79.1
227 60.0 49.7 74.5



#35
Caprolactam
Concen: 16.54 ng
RT: 11.76 min Scan# 1518
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion: 113 Resp: 14021
Ion Ratio Lower Upper
113 100
55 116.1 194.2 234.2#
56 80.3 122.6 162.6#

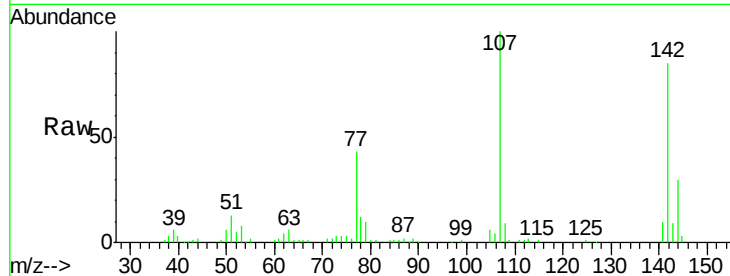




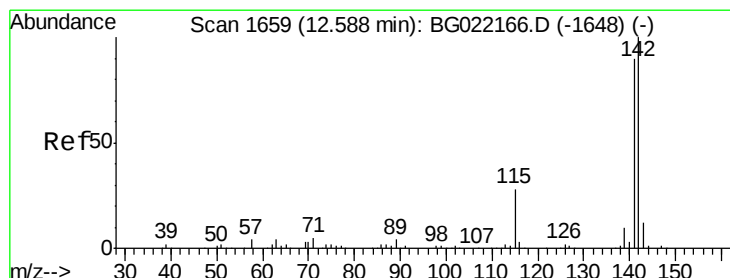
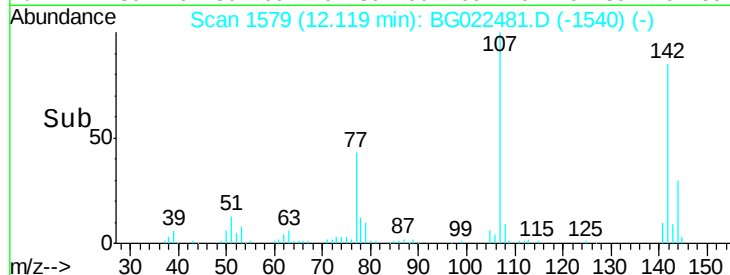
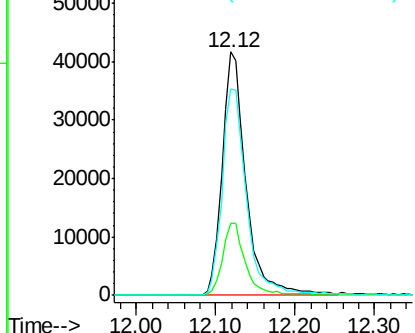
#36
4-Chloro-3-methylphenol
Concen: 47.16 ng
RT: 12.12 min Scan# 1579
Delta R.T. -0.07 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

Tgt Ion:107 Resp: 86360
Ion Ratio Lower Upper
107 100
144 29.8 19.2 28.8#
142 84.8 59.1 88.7

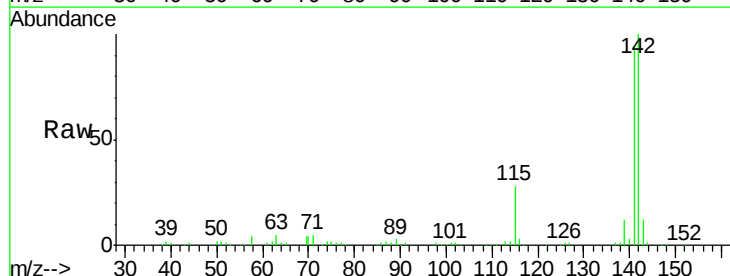


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

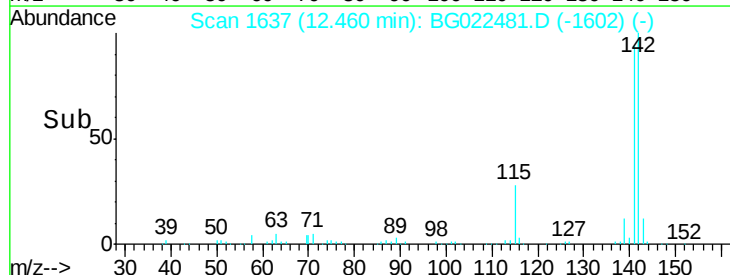
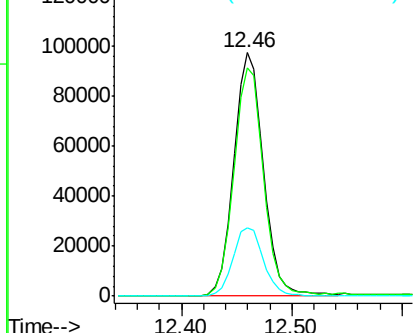


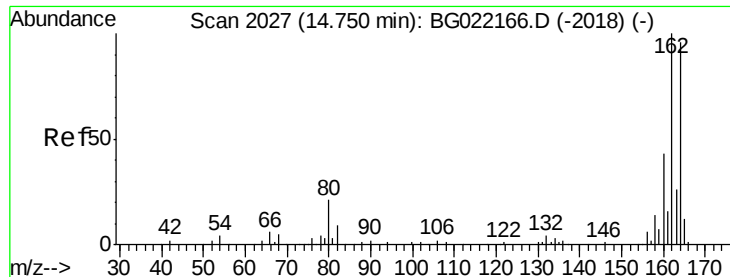
#37
2-Methylnaphthalene
Concen: 42.36 ng
RT: 12.46 min Scan# 1637
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion:142 Resp: 183898
Ion Ratio Lower Upper
142 100
141 94.0 71.4 107.0
115 27.8 27.4 41.2



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: 14.63 min Scan# 2007

Delta R.T. -0.09 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

BNA_G

ClientSampleId :

PM-STA-1363(0-4)MSD

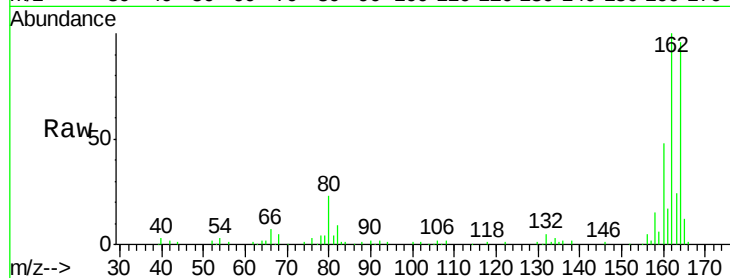
Tgt Ion:164 Resp: 72401

Ion Ratio Lower Upper

164 100

162 103.8 78.0 117.0

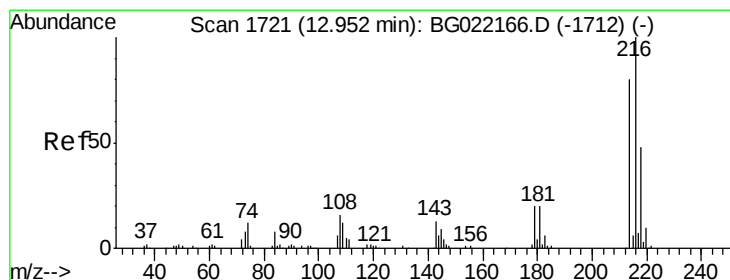
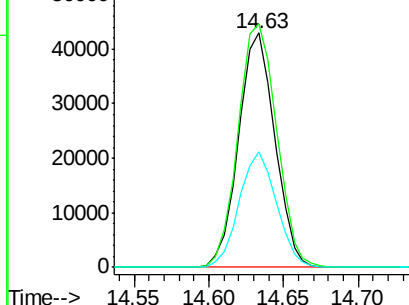
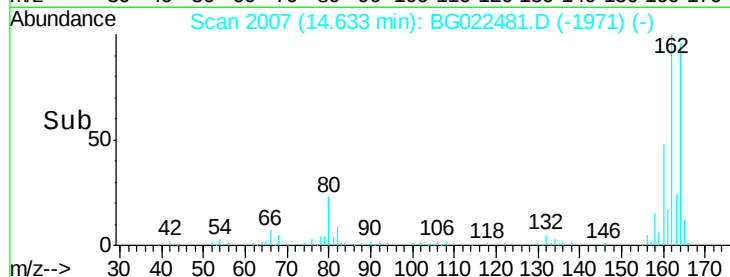
160 49.6 32.9 49.3#



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: 39.46 ng

RT: 12.82 min Scan# 1699

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Tgt Ion:216 Resp: 73536

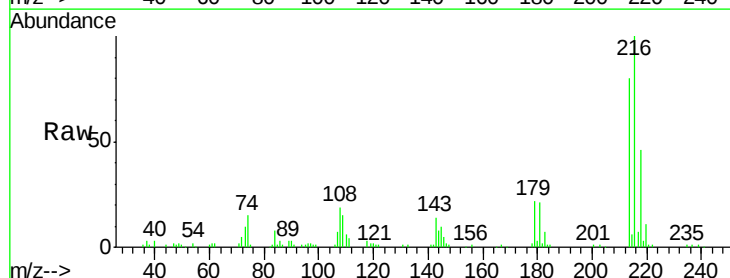
Ion Ratio Lower Upper

216 100

214 78.8 62.2 93.2

179 21.8 16.7 25.1

108 20.0 14.0 21.0

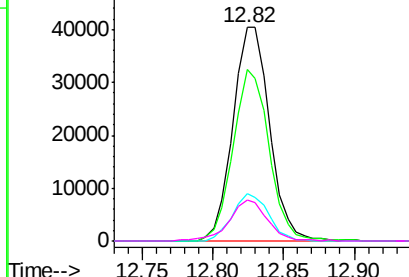
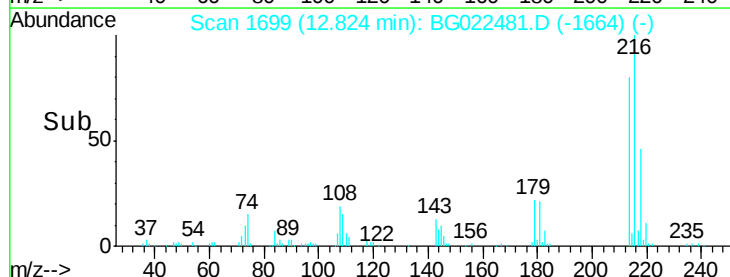


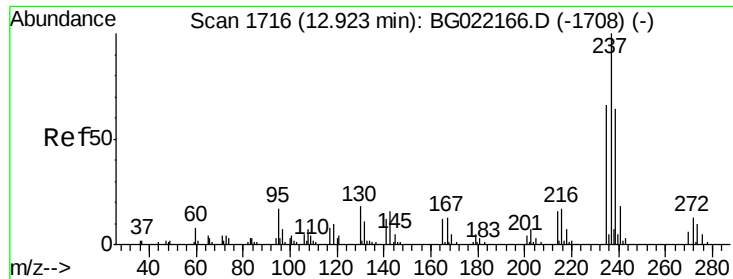
Abundance Ion 216.00 (215.70 to 216.70): E

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: 31.42 ng

RT: 12.79 min Scan# 1694

Delta R.T. -0.10 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

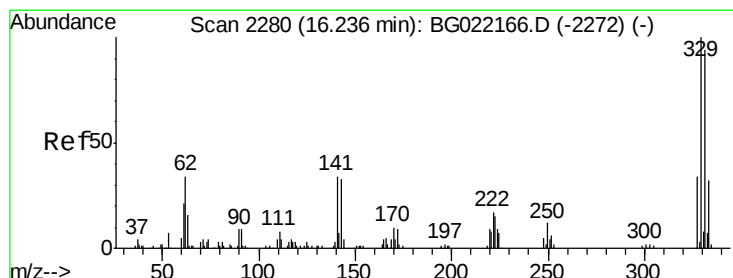
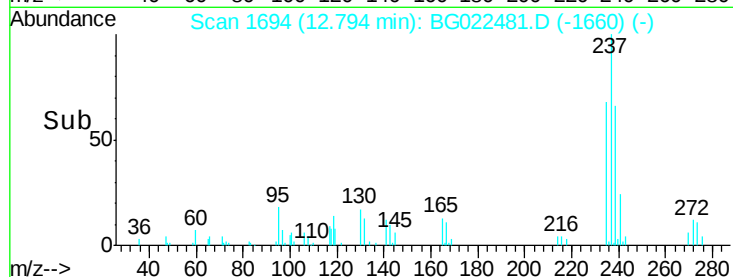
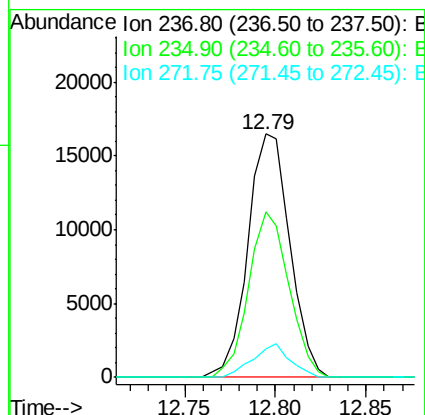
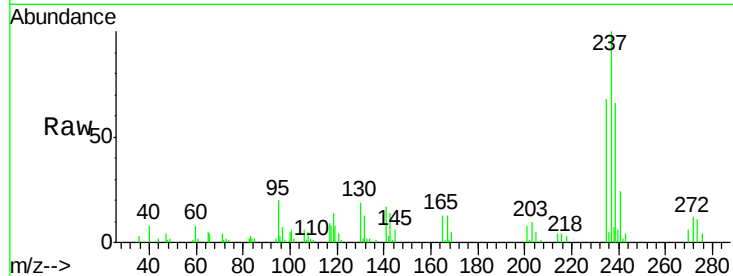
Instrument :

BNA_G

ClientSampleId :

PM-STA-1363(0-4)MSD

Tgt Ion:	237	Resp:	26683
Ion	Ratio	Lower	Upper
237	100		
235	67.9	43.2	83.2
272	11.7	0.0	33.4



#41

2,4,6-Tribromophenol

Concen: 106.61 ng

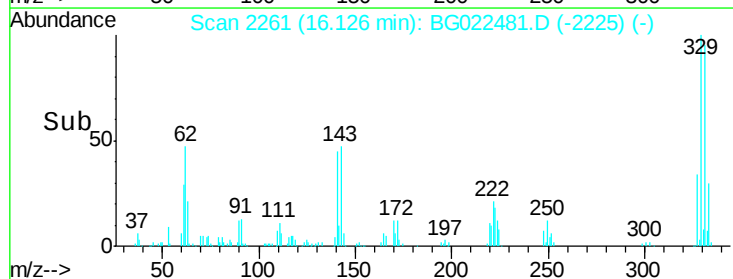
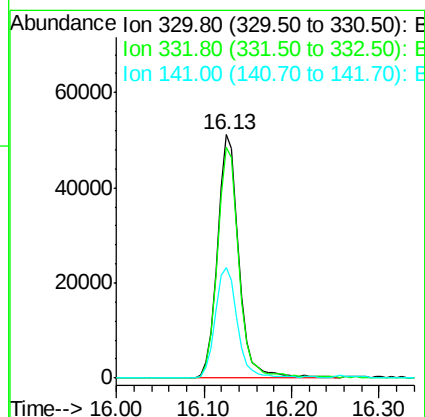
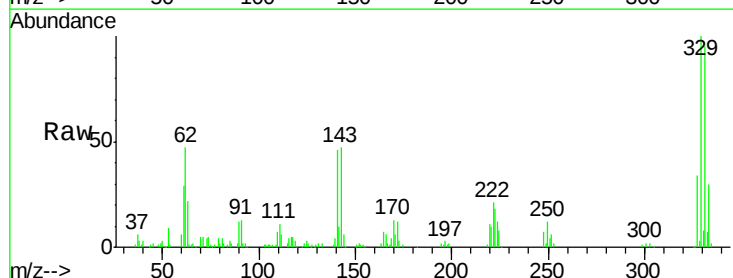
RT: 16.13 min Scan# 2261

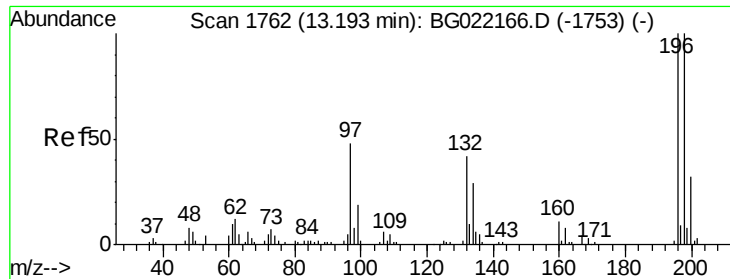
Delta R.T. -0.09 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Tgt Ion:	330	Resp:	87215
Ion	Ratio	Lower	Upper
330	100		
332	94.8	78.0	117.0
141	47.1	33.8	50.8

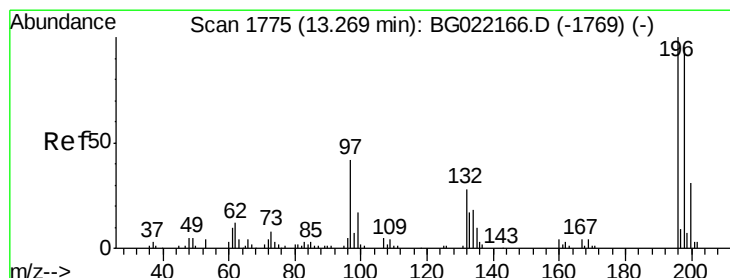
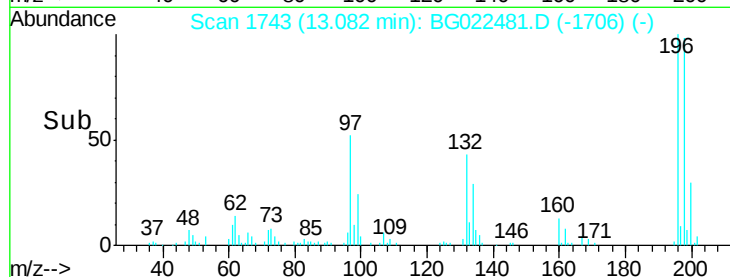
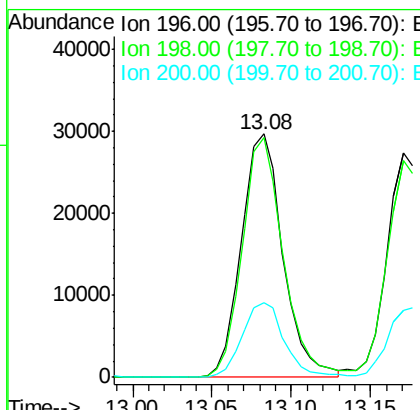
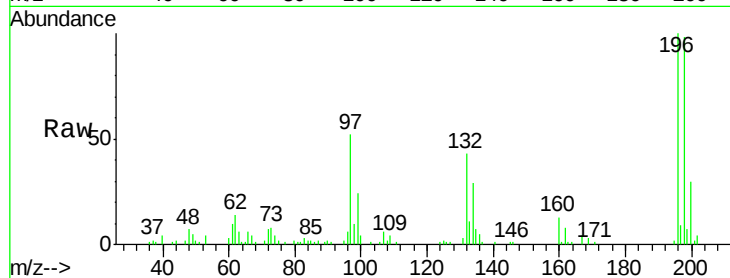




#42
 2,4,6-Trichlorophenol
 Concen: 43.39 ng
 RT: 13.08 min Scan# 1743
 Delta R.T. -0.08 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

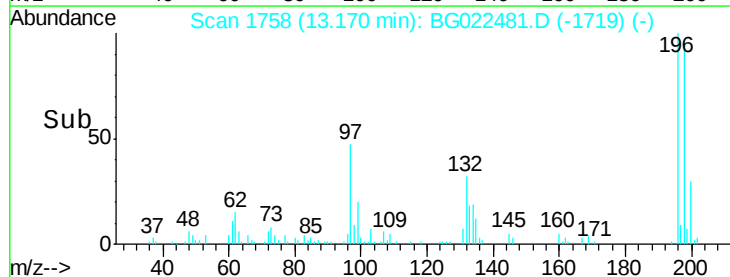
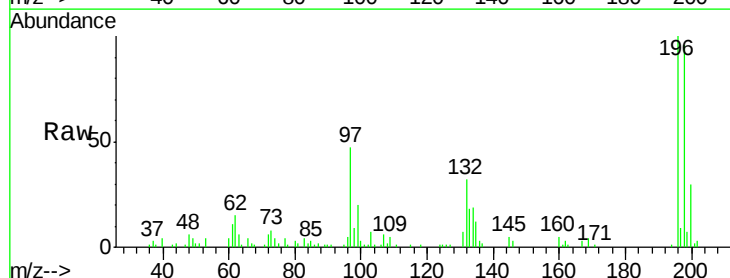
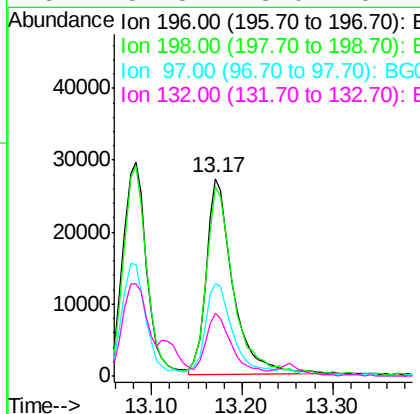
Instrument :
 BNA_G
 ClientSampleId :
 PM-STA-1363(0-4)MSD

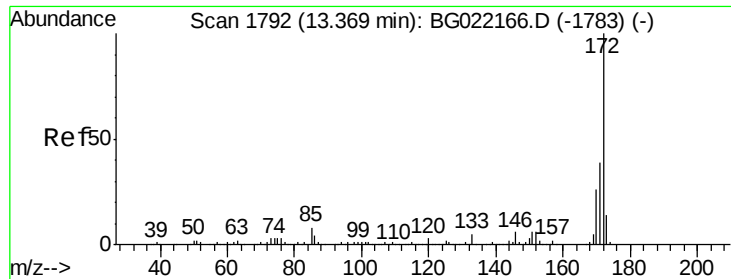
Tgt Ion:196 Resp: 54247
 Ion Ratio Lower Upper
 196 100
 198 98.4 80.1 120.1
 200 30.4 24.1 36.1



#43
 2,4,5-Trichlorophenol
 Concen: 40.88 ng
 RT: 13.17 min Scan# 1758
 Delta R.T. -0.07 min
 Lab File: BG022481.D
 Acq: 22 Jun 2016 00:54

Tgt Ion:196 Resp: 56469
 Ion Ratio Lower Upper
 196 100
 198 96.2 78.0 117.0
 97 46.7 43.0 64.6
 132 31.8 23.0 34.4

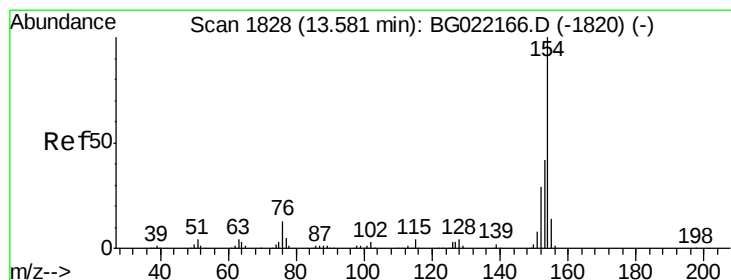
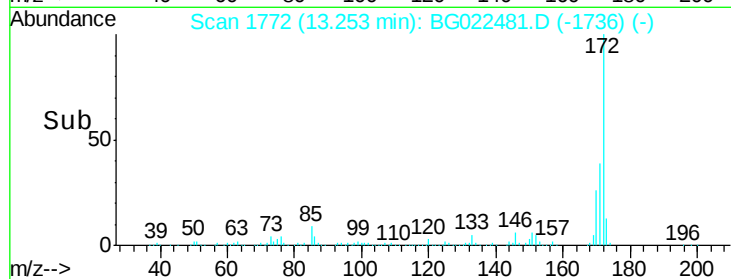
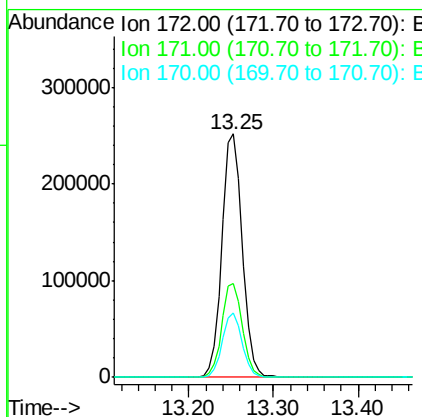
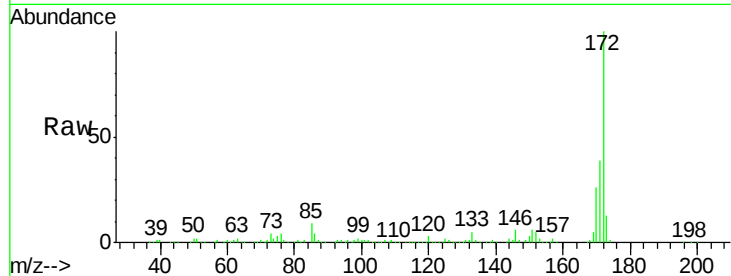




#44
2-Fluorobiphenyl
Concen: 88.59 ng
RT: 13.25 min Scan# 1772
Delta R.T. -0.09 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

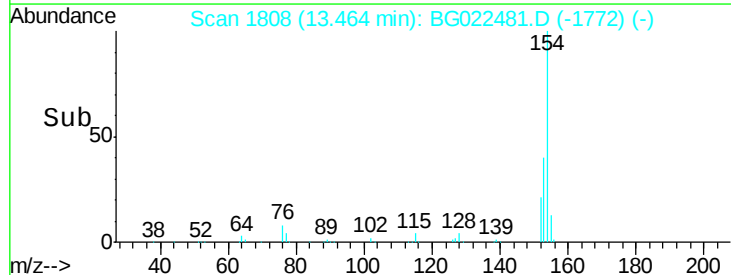
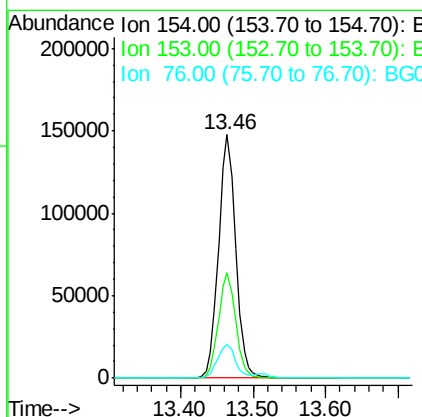
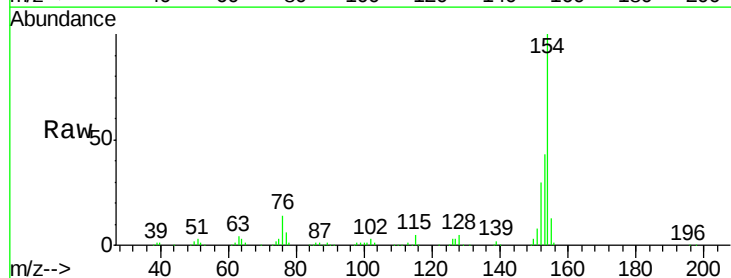
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

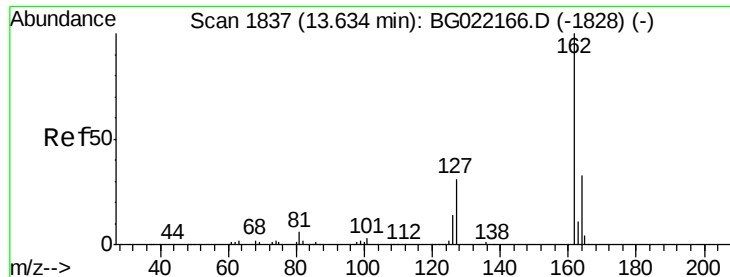
Tgt Ion:172 Resp: 420885
Ion Ratio Lower Upper
172 100
171 38.8 27.8 41.6
170 26.2 19.6 29.4



#45
1,1'-Biphenyl
Concen: 44.96 ng
RT: 13.46 min Scan# 1808
Delta R.T. -0.09 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion:154 Resp: 244953
Ion Ratio Lower Upper
154 100
153 43.0 19.7 59.7
76 13.9 0.0 33.0

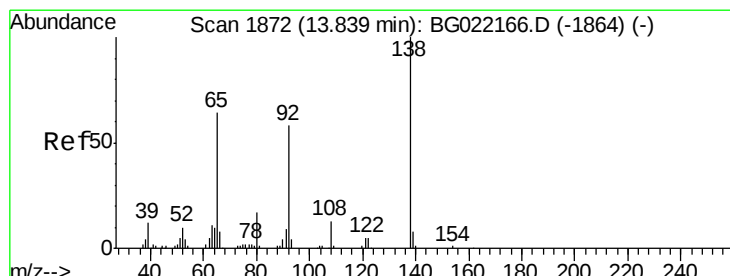
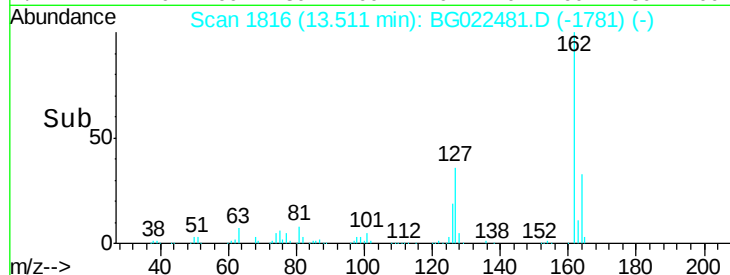
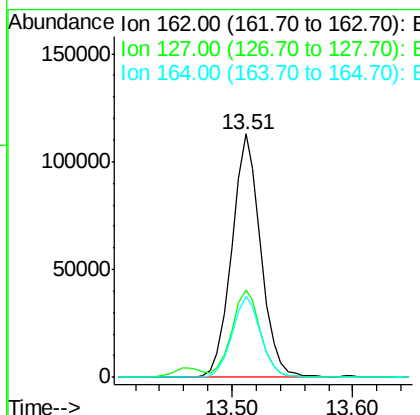
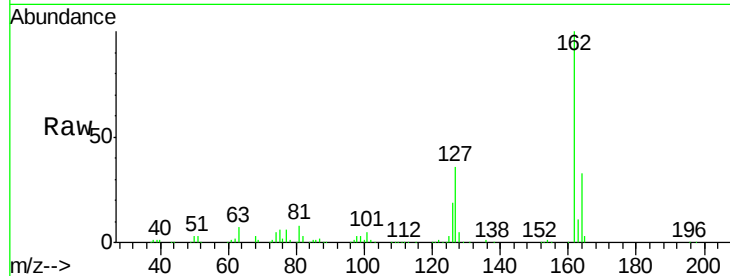




#46
2-Chloronaphthalene
Concen: 44.88 ng
RT: 13.51 min Scan# 1816
Delta R.T. -0.10 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

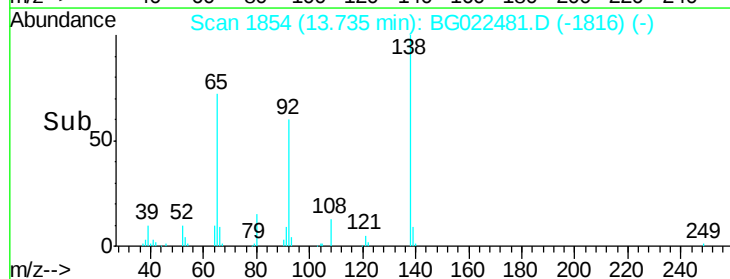
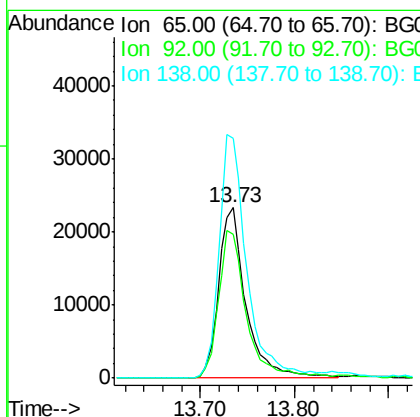
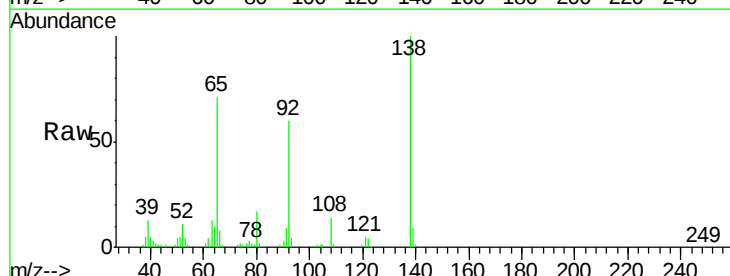
Instrument :
BNA_G
ClientSampleId :
PM-STA-1363(0-4)MSD

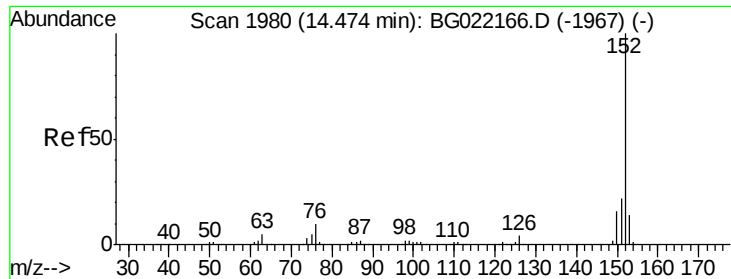
Tgt Ion: 162 Resp: 187447
Ion Ratio Lower Upper
162 100
127 36.0 32.0 48.0
164 33.3 27.0 40.4



#47
2-Nitroaniline
Concen: 47.67 ng
RT: 13.73 min Scan# 1854
Delta R.T. -0.08 min
Lab File: BG022481.D
Acq: 22 Jun 2016 00:54

Tgt Ion: 65 Resp: 47472
Ion Ratio Lower Upper
65 100
92 84.4 49.2 73.8#
138 140.6 75.0 112.6#





#48

Acenaphthylene

Concen: 45.22 ng

RT: 14.36 min Scan# 1960

Delta R.T. -0.09 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

Instrument :

BNA_G

ClientSampleId :

PM-STA-1363(0-4)MSD

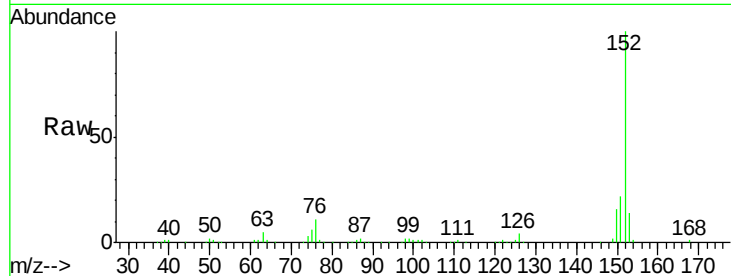
Tgt Ion:152 Resp: 331426

Ion Ratio Lower Upper

152 100

151 22.0 16.6 24.8

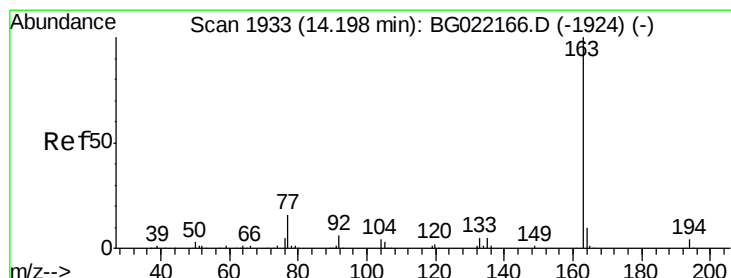
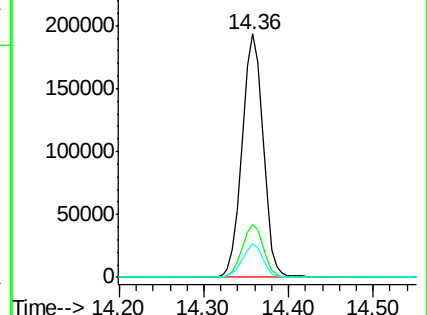
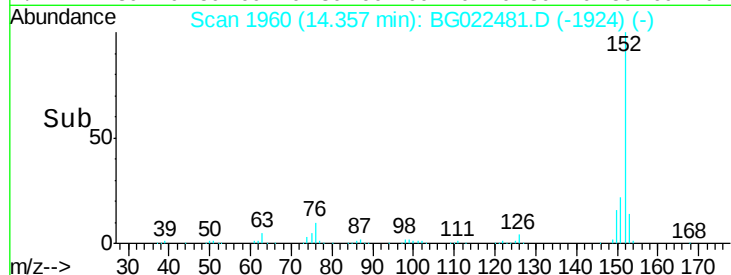
153 13.7 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 43.40 ng

RT: 14.09 min Scan# 1914

Delta R.T. -0.08 min

Lab File: BG022481.D

Acq: 22 Jun 2016 00:54

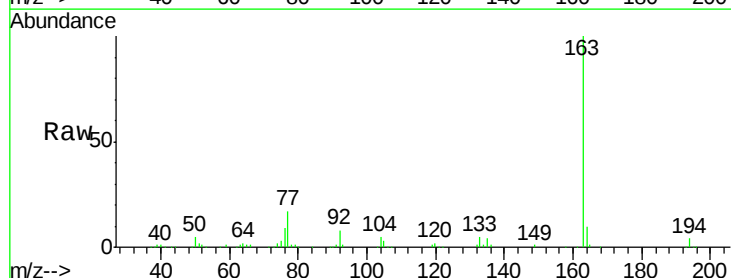
Tgt Ion:163 Resp: 260531

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.1 8.1 12.1



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

