

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070516\
 Data File : BG022867.D
 Acq On : 6 Jul 2016 2:07
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SSTD02022

Quant Time: Jul 06 03:26:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 06 03:22:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	128052	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	594094	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	457694	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1102432	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	1180202	20.00	ng/ul	0.02
83) Perylene-d12	25.23	264	1224222	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	20631	9.00	ng/uL	0.00
5) Phenol-d5	7.31	99	260972	19.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	152834	20.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	172271	19.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	205630	19.65	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	90718	19.15	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	107815	18.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	225965	18.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	2263	0.22	ng/ul	0.20
43) Dimethylphthalate-d6	14.20	166	748647	20.13	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	878805	20.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	118137	20.24	ng/ul	0.02
57) Fluorene-d10	15.80	176	722242	20.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	148621	20.96	ng/ul	0.00
70) Anthracene-d10	17.66	188	1054610	20.58	ng/ul	0.00
76) Pyrene-d10	19.94	212	1217331	21.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1163926	20.01	ng/ul	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	24212	9.02	ng/uL#	75
4) Benzaldehyde	7.29	77	183837	21.47	ng/ul#	82
6) Phenol	7.34	94	267558	19.39	ng/ul#	60
8) Bis(2-Chloroethyl)ether	7.57	93	185968	19.71	ng/ul	94
10) 2-Chlorophenol	7.72	128	175623	19.19	ng/ul#	81
11) 2-Methylphenol	8.60	108	202327	19.52	ng/ul	83
12) 2,2'-oxybis(1-Chloropropan	8.69	45	221624	20.89	ng/ul#	94
14) Acetophenone	8.99	105	336252	19.90	ng/ul#	83
15) N-Nitroso-di-n-propylamine	8.96	70	194790	19.18	ng/ul#	85
16) 4-Methylphenol	8.93	108	230998	20.05	ng/ul	96
17) Hexachloroethane	9.26	117	82661	21.21	ng/ul#	79
20) Nitrobenzene	9.37	77	290508	19.94	ng/ul#	82
21) Isophorone	9.90	82	517631	19.92	ng/ul#	92
23) 2-Nitrophenol	10.09	139	120074	19.80	ng/ul#	38
24) 2,4-Dimethylphenol	10.14	107	283408	19.52	ng/ul#	82
25) Bis(2-Chloroethoxy)methane	10.38	93	299354	19.52	ng/ul#	95
27) 2,4-Dichlorophenol	10.63	162	234873	19.56	ng/ul	98
28) Naphthalene	11.04	128	595368	19.60	ng/ul	99
30) 4-Chloroaniline	11.14	127	251409	24.33	ng/ul	93
31) Hexachlorobutadiene	11.32	225	188332	20.36	ng/ul	91
32) Caprolactam	11.90	113	78341	19.55	ng/ul#	45
33) 4-Chloro-3-methylphenol	12.26	107	290429	19.12	ng/ul	85
34) 2-Methylnaphthalene	12.64	142	499097	19.86	ng/ul	92

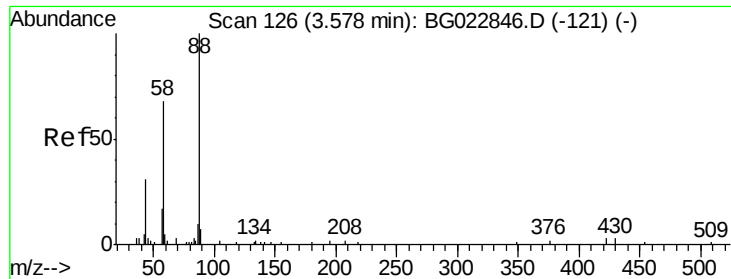
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	357103	20.87	ng/ul	99
37) Hexachlorocyclopentadiene	12.98	237	173165	16.76	ng/ul	94
38) 2,4,6-Trichlorophenol	13.24	196	239060	20.26	ng/ul	99
39) 2,4,5-Trichlorophenol	13.31	196	247950	19.97	ng/ul	95
40) 1,1'-Biphenyl	13.63	154	703634	20.22	ng/ul	96
41) 2-Chloronaphthalene	13.68	162	583172	20.69	ng/ul	96
42) 2-Nitroaniline	13.88	65	222291	20.39	ng/ul#	63
44) Dimethylphthalate	14.25	163	773213	20.37	ng/ul#	99
45) 2,6-Dinitrotoluene	14.37	165	170796	20.78	ng/ul#	82
47) Acenaphthylene	14.53	152	898852	20.95	ng/ul	99
48) 3-Nitroaniline	14.71	138	147785	23.01	ng/ul#	63
49) Acenaphthene	14.87	153	595049	20.41	ng/ul	92
50) 2,4-Dinitrophenol	14.91	184	89706	19.64	ng/ul	94
53) Dibenzofuran	15.20	168	926929	20.58	ng/ul#	85
54) 2,4-Dinitrotoluene	15.16	165	242990	20.44	ng/ul#	74
55) 2,3,4,6-Tetrachlorophenol	15.43	232	257912	20.40	ng/ul#	95
56) Diethylphthalate	15.61	149	779080	20.20	ng/ul	95
58) Fluorene	15.85	166	724742	20.03	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.84	204	429265	19.81	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.93	198	159398	21.21	ng/ul#	93
64) N-Nitrosodiphenylamine	16.05	169	675511	20.81	ng/ul	95
65) 4-Bromophenyl-phenylether	16.74	248	302545	20.52	ng/ul	97
66) Hexachlorobenzene	16.86	284	318123	20.38	ng/ul	92
67) Atrazine	17.00	200	298970	22.08	ng/ul#	93
68) Pentachlorophenol	17.21	266	189299	21.09	ng/ul	92
69) Phenanthrene	17.60	178	1174741	20.83	ng/ul	99
71) Anthracene	17.69	178	1203518	20.77	ng/ul	97
72) Carbazole	17.96	167	991029	23.11	ng/ul	98
73) Di-n-butylphthalate	18.50	149	1225860	22.27	ng/ul#	94
74) Fluoranthene	19.60	202	1401787	23.86	ng/ul#	88
77) Pyrene	19.97	202	1423711	21.55	ng/ul#	85
78) Butylbenzylphthalate	20.84	149	568742	22.20	ng/ul#	80
79) 3,3'-Dichlorobenzidine	21.75	252	553677	24.77	ng/ul#	96
80) Benzo(a)anthracene	21.84	228	1458324	21.07	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.72	149	774892	23.44	ng/ul#	99
82) Chrysene	21.91	228	1338392	21.24	ng/ul	95
84) Di-n-octyl phthalate	22.99	149	1315380	24.38	ng/ul	100
88) Benzo(a)pyrene	25.08	252	1452793	19.99	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.09	276	1623138	21.12	ng/ul#	80
91) Benzo(g,h,i)perylene	30.31	276	1307980	21.71	ng/ul#	79

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



#2

1,4-Dioxane

Concen: 9.02 ng/uL

RT: 3.58 min Scan# 125

Delta R.T. -0.00 min

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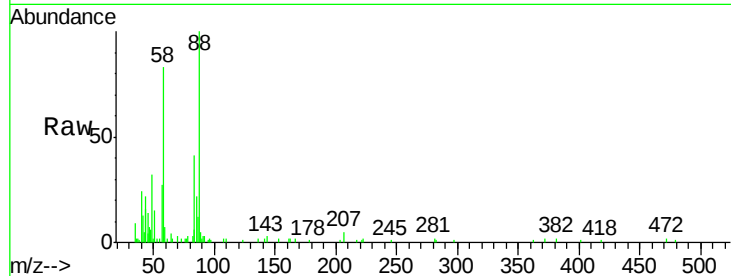
Tgt Ion: 88 Resp: 24212

Ion Ratio Lower Upper

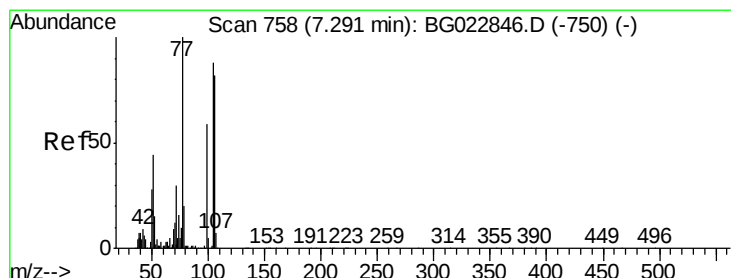
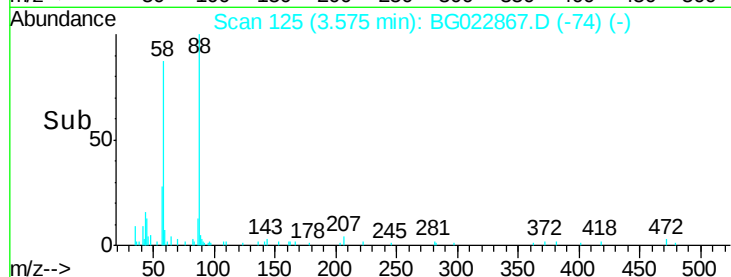
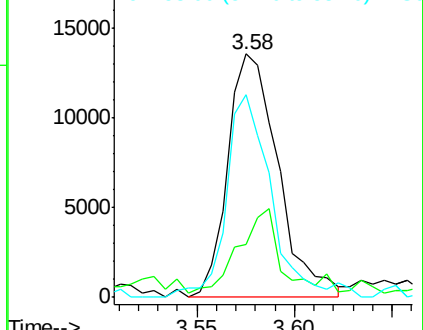
88 100

43 21.9 16.6 24.8

58 83.2 47.2 70.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 43.00 (42.70 to 43.70): BGC
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 21.47 ng/uL

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

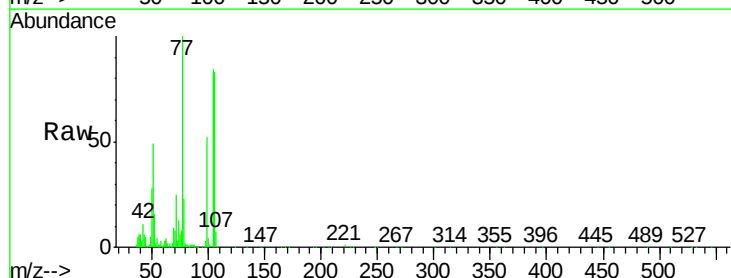
Tgt Ion: 77 Resp: 183837

Ion Ratio Lower Upper

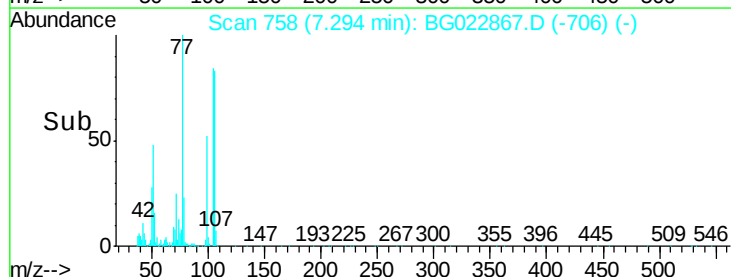
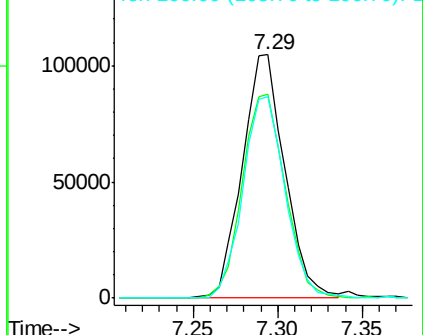
77 100

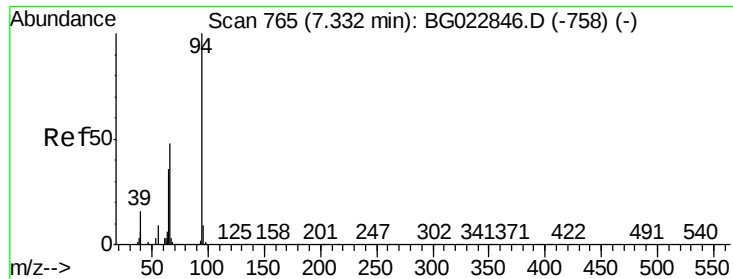
105 83.8 83.8 125.8#

106 82.7 77.9 116.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 19.39 ng/ul

RT: 7.34 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

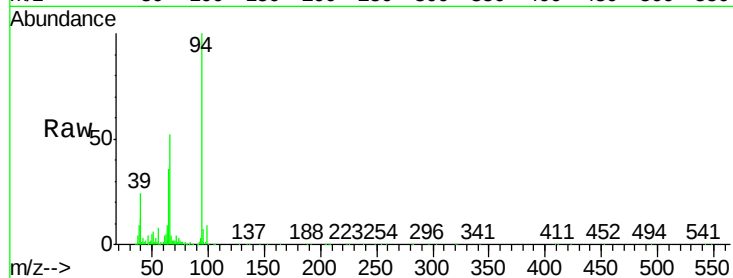
Tgt Ion: 94 Resp: 267558

Ion Ratio Lower Upper

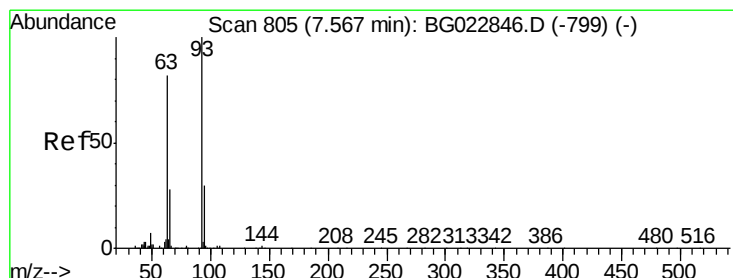
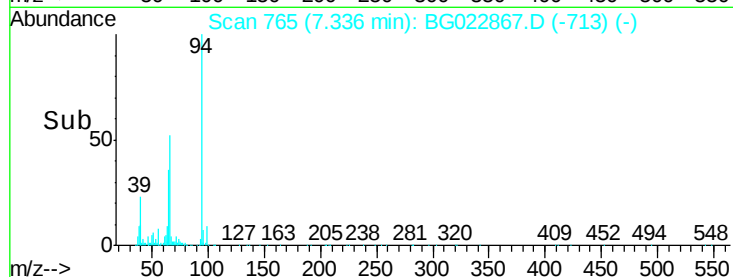
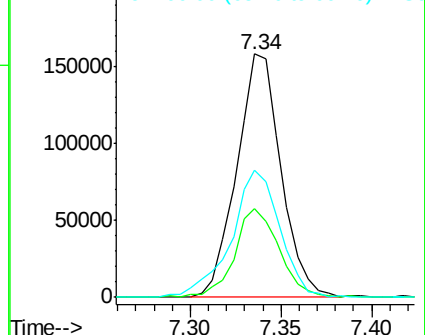
94 100

65 36.2 16.8 25.2#

66 52.2 22.6 33.8#



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



#8

Bis(2-Chloroethyl)ether

Concen: 19.71 ng/ul

RT: 7.57 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

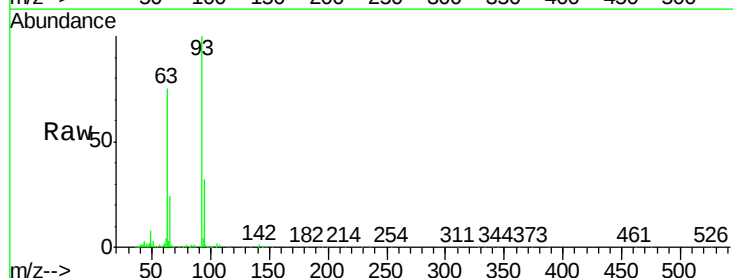
Tgt Ion: 93 Resp: 185968

Ion Ratio Lower Upper

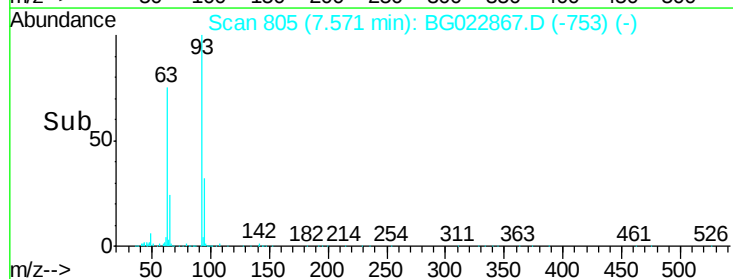
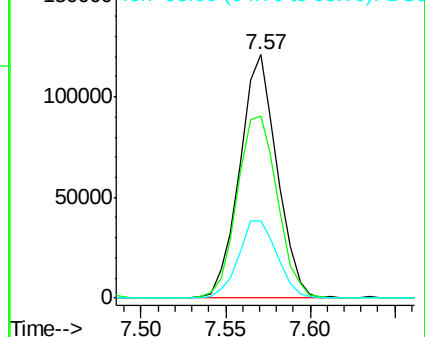
93 100

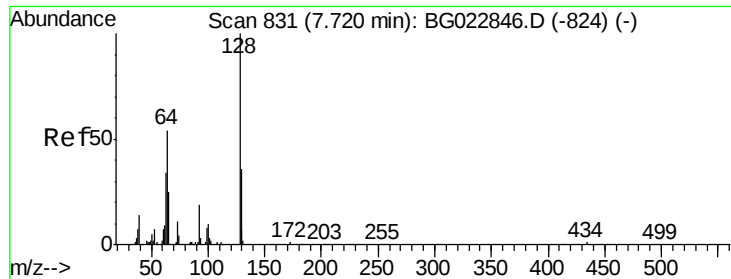
63 75.0 56.0 84.0

95 31.8 27.7 41.5



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

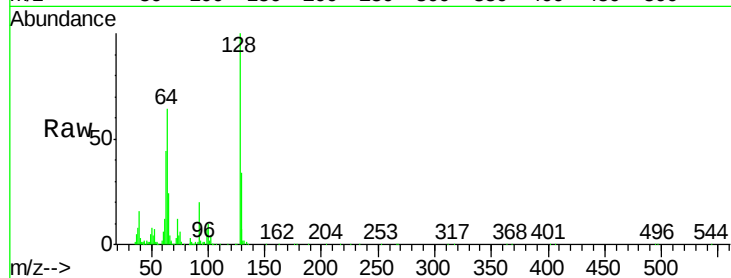




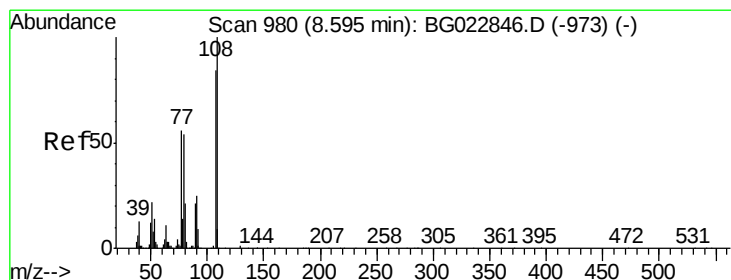
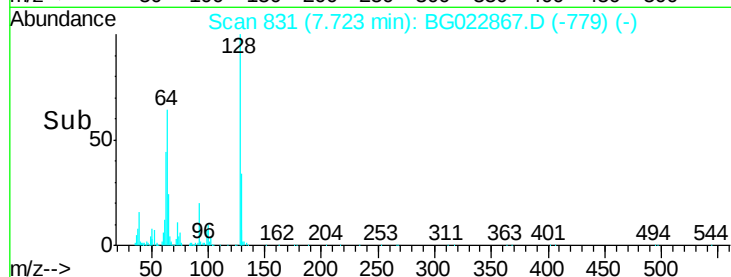
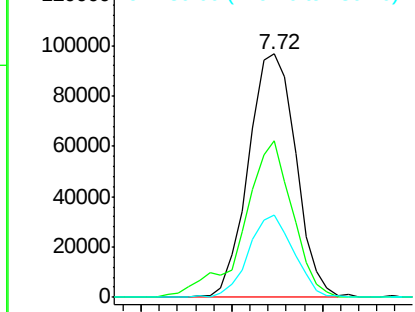
#10
2-Chlorophenol
Concen: 19.19 ng/ul
RT: 7.72 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Instrument :
BNA_G
ClientSampleId :
SSTD02022

Tgt Ion:128 Resp: 175623
Ion Ratio Lower Upper
128 100
64 64.2 34.2 51.4#
130 33.8 27.0 40.4

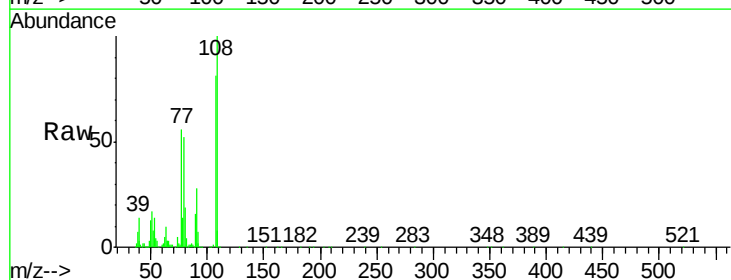


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

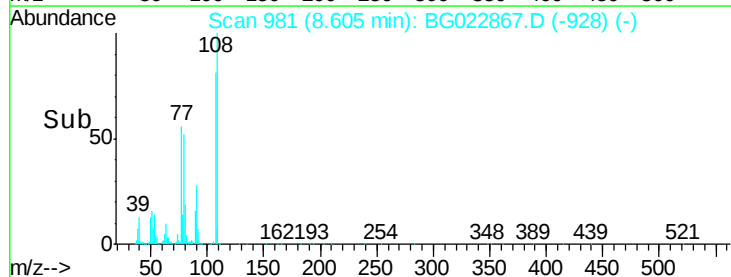
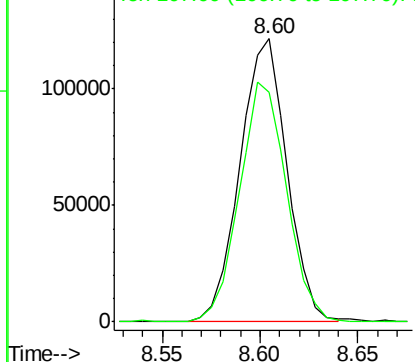


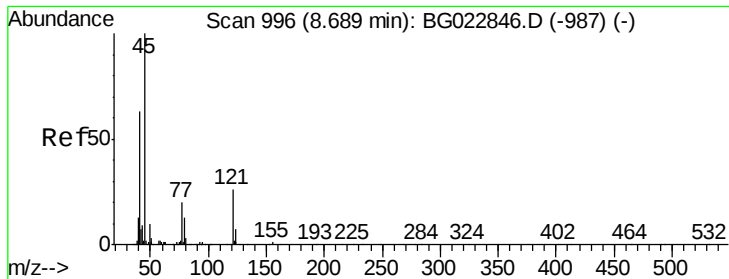
#11
2-Methylphenol
Concen: 19.52 ng/ul
RT: 8.60 min Scan# 981
Delta R.T. 0.01 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion:108 Resp: 202327
Ion Ratio Lower Upper
108 100
107 81.1 78.6 117.8



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

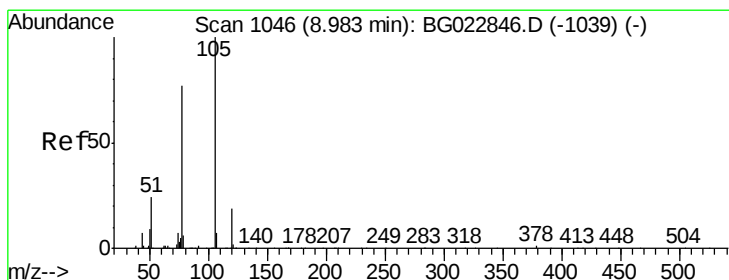
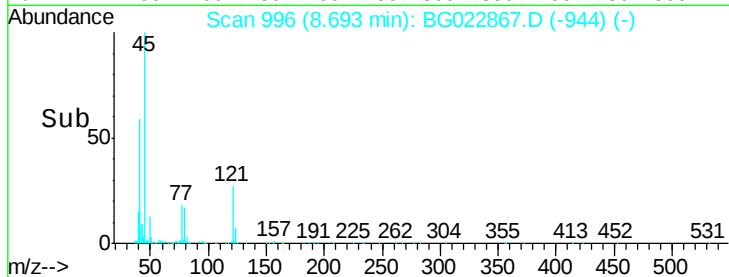
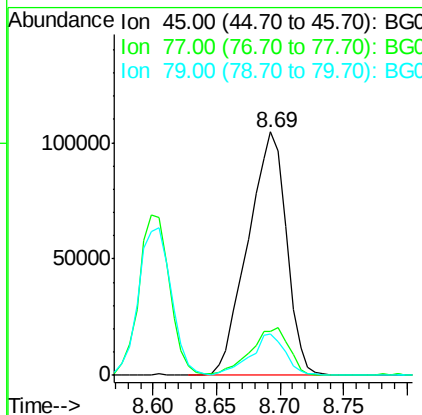
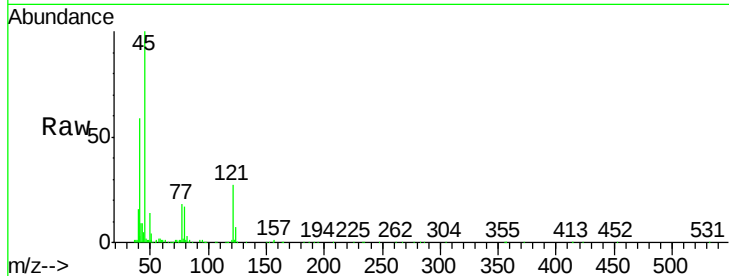




#12
 2,2'-oxybis(1-chloropropane)
 Concen: 20.89 ng/ul
 RT: 8.69 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

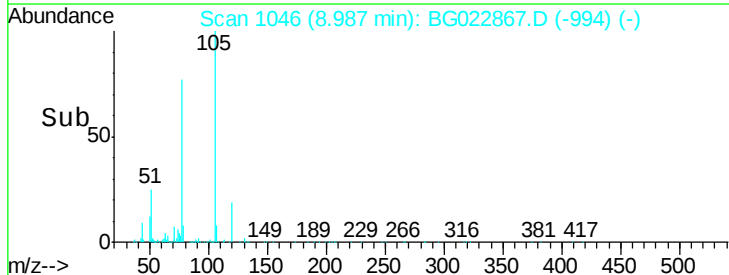
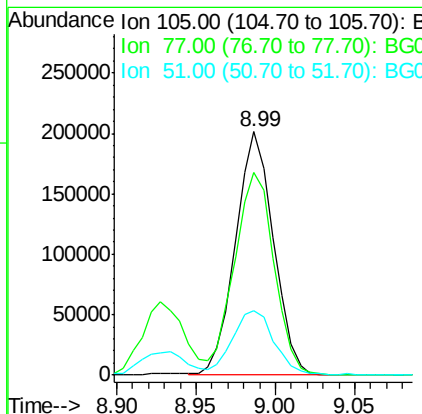
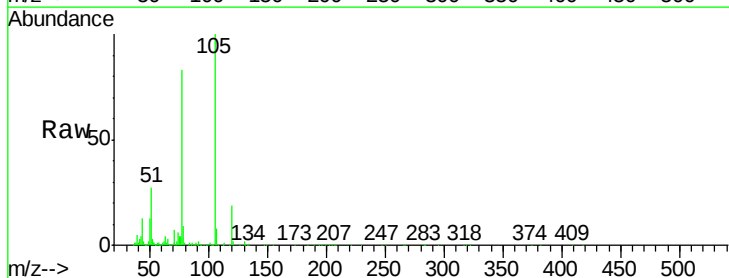
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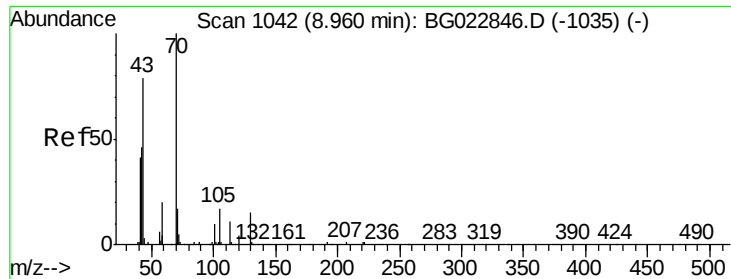
Tgt Ion: 45 Resp: 221624
 Ion Ratio Lower Upper
 45 100
 77 18.2 13.4 20.2
 79 17.0 10.2 15.4#



#14
 Acetophenone
 Concen: 19.90 ng/ul
 RT: 8.99 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion: 105 Resp: 336252
 Ion Ratio Lower Upper
 105 100
 77 83.2 56.1 84.1
 51 26.6 14.6 22.0#

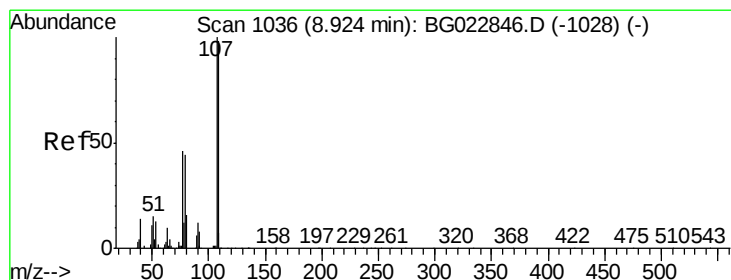
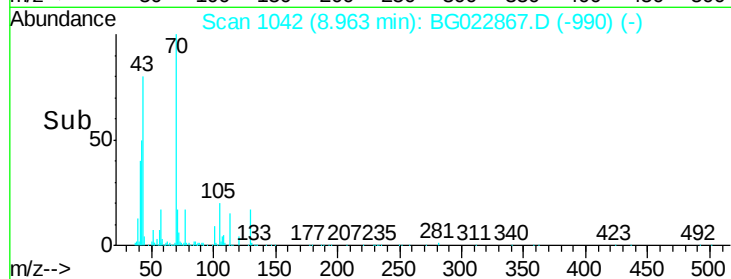
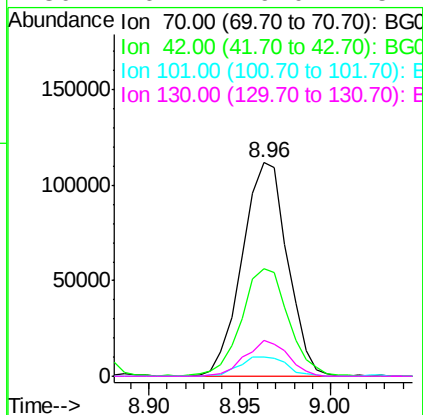
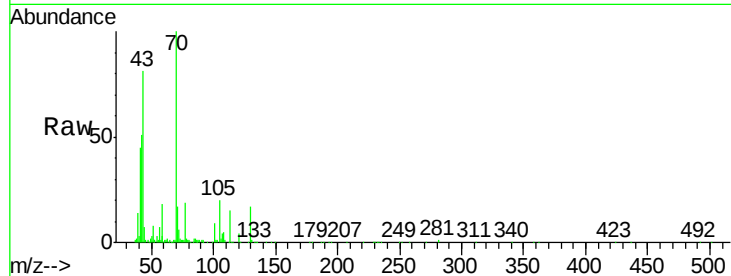




#15
N-Nitroso-di-n-propylamine
Concen: 19.18 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

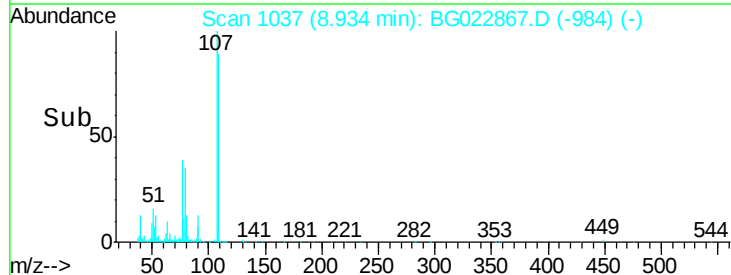
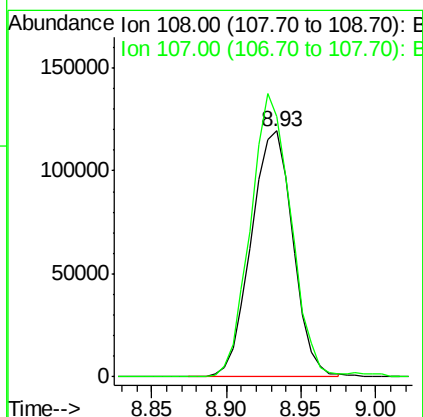
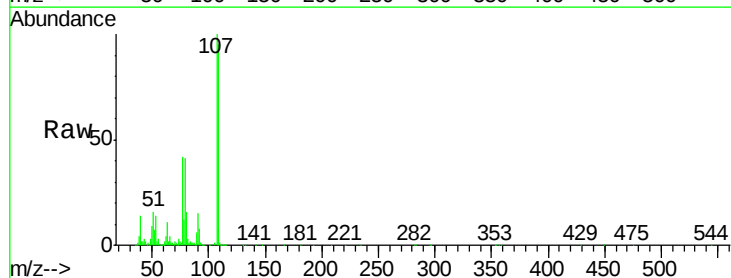
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BNA_G
ClientSampleId :
SSTD02022

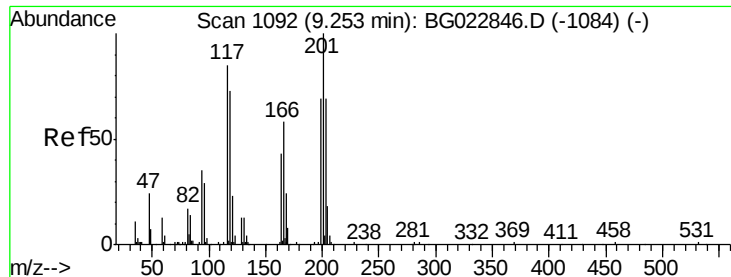
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Ion Ratio Lower Upper
70 100
42 50.6 31.4 47.2#
101 9.1 8.6 13.0
130 16.7 19.0 28.4#



#16
4-Methylphenol
Concen: 20.05 ng/ul
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion: 108 Resp: 230998
Ion Ratio Lower Upper
108 100
107 105.7 88.3 132.5





#17

Hexachloroethane

Concen: 21.21 ng/ul

RT: 9.26 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

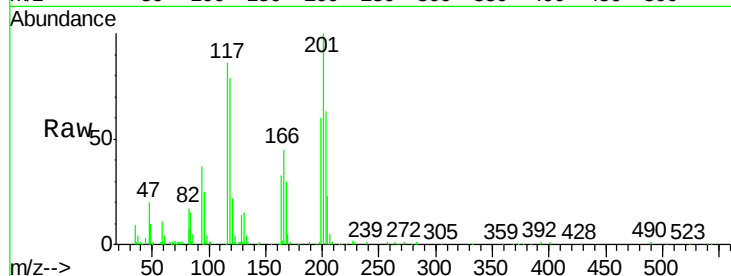
Tgt Ion:117 Resp: 82661

Ion Ratio Lower Upper

117 100

201 116.5 76.8 115.2#

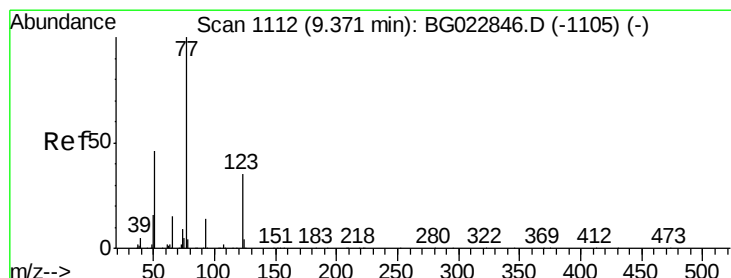
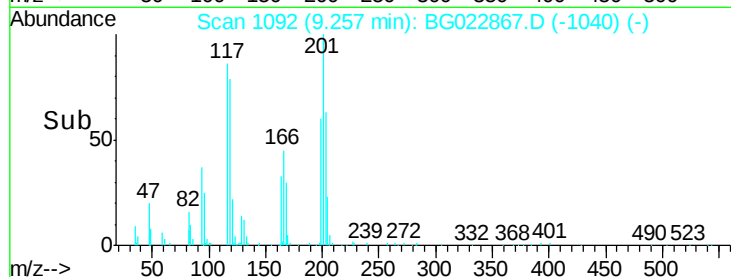
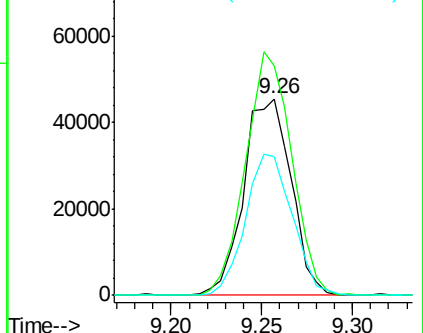
199 70.5 43.5 65.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 19.94 ng/ul

RT: 9.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

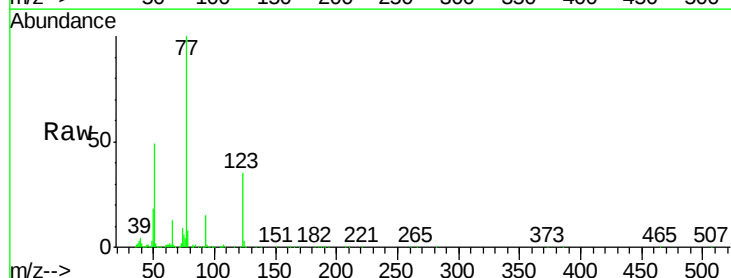
Tgt Ion: 77 Resp: 290508

Ion Ratio Lower Upper

77 100

123 35.1 39.5 59.3#

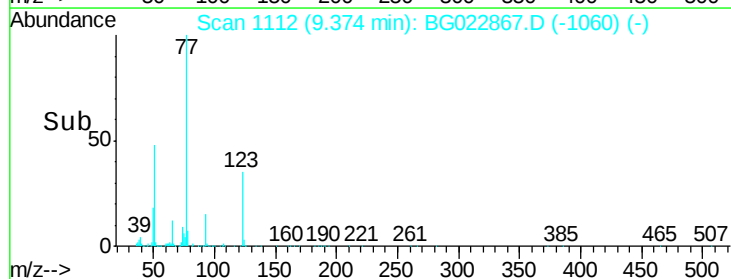
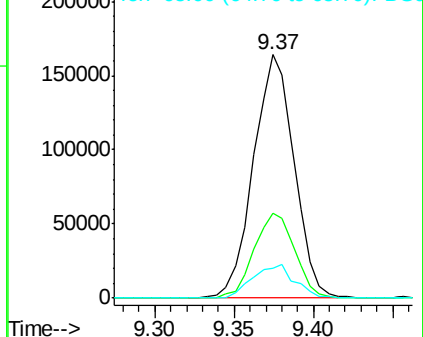
65 12.5 9.0 13.4

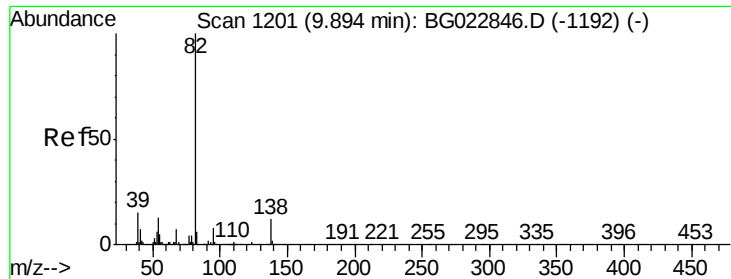


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 19.92 ng/ul

RT: 9.90 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

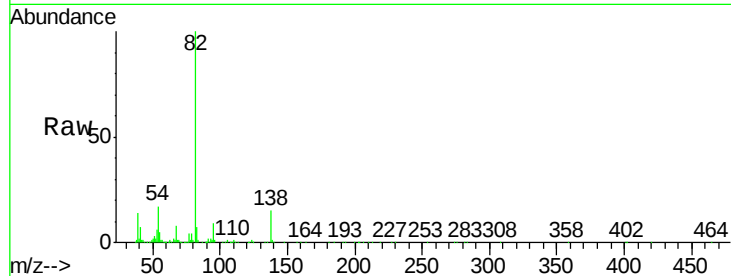
Tgt Ion: 82 Resp: 517631

Ion Ratio Lower Upper

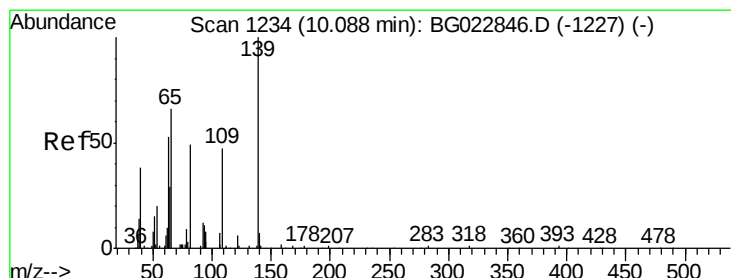
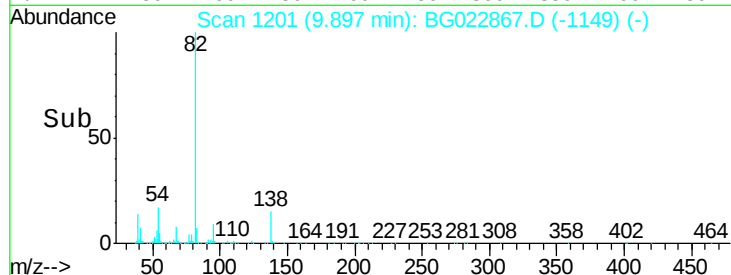
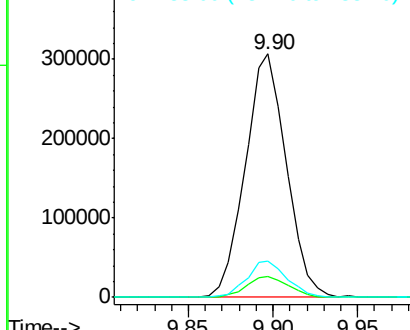
82 100

95 8.6 5.1 7.7#

138 14.9 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#23

2-Nitrophenol

Concen: 19.80 ng/ul

RT: 10.09 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

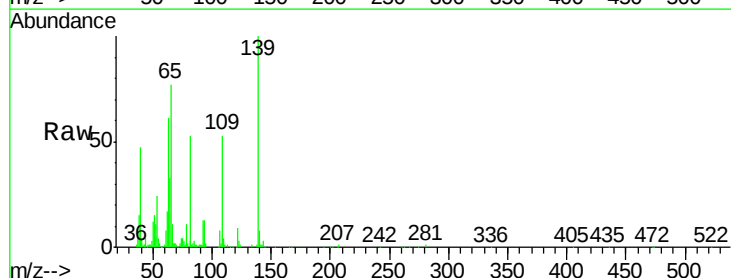
Tgt Ion: 139 Resp: 120074

Ion Ratio Lower Upper

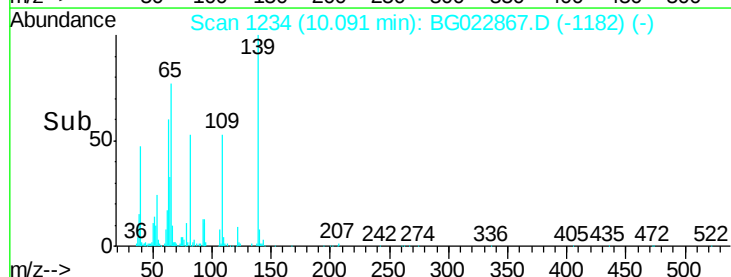
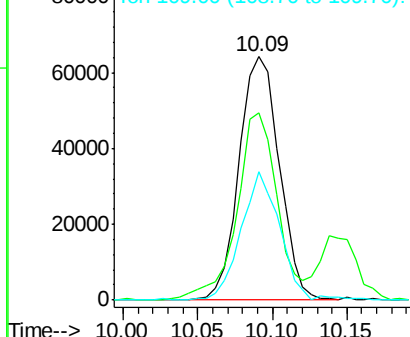
139 100

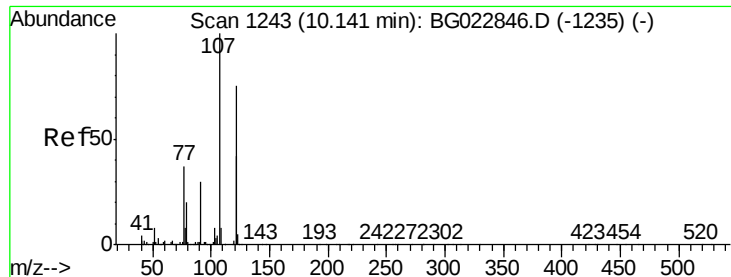
65 76.7 31.8 47.8#

109 52.7 17.1 25.7#



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





#24

2,4-Dimethylphenol

Concen: 19.52 ng/ul

RT: 10.14 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

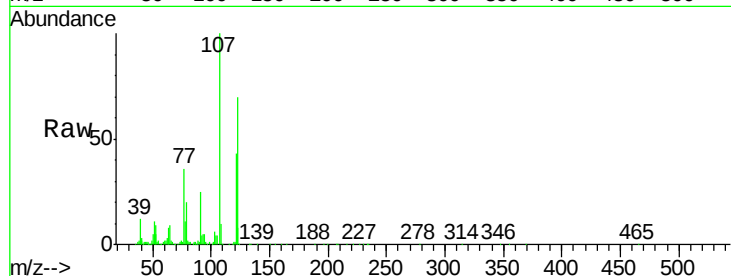
Tgt Ion: 107 Resp: 283408

Ion Ratio Lower Upper

107 100

121 42.8 43.7 65.5#

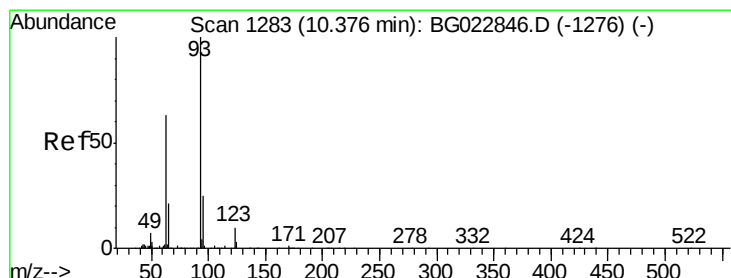
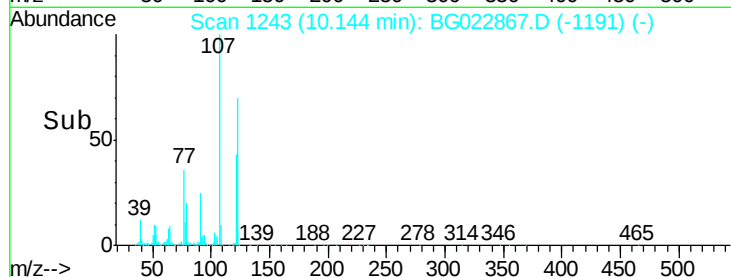
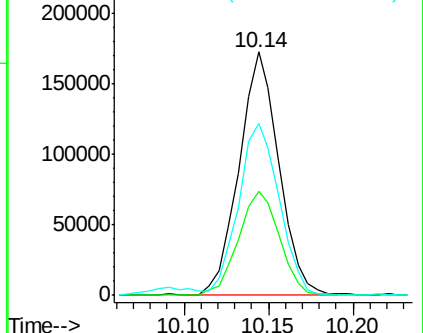
122 70.4 70.3 105.5



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 19.52 ng/ul

RT: 10.38 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

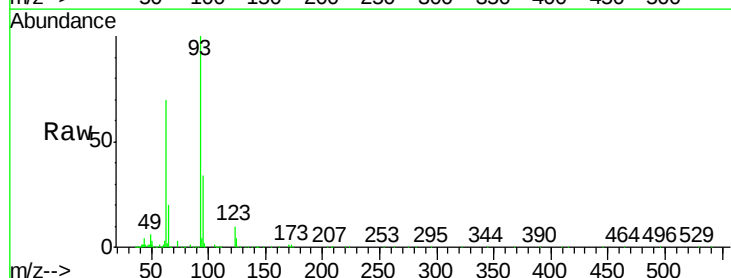
Tgt Ion: 93 Resp: 299354

Ion Ratio Lower Upper

93 100

95 34.4 26.0 39.0

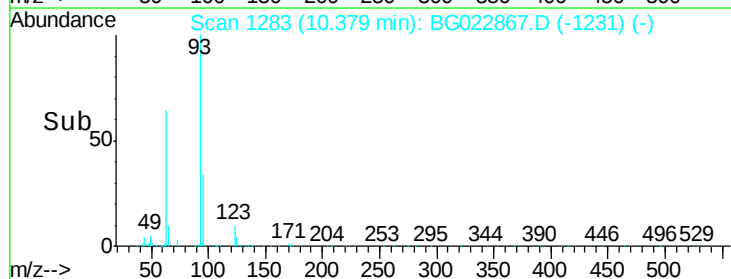
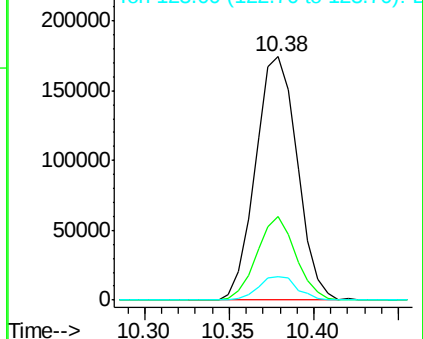
123 9.8 10.1 15.1#

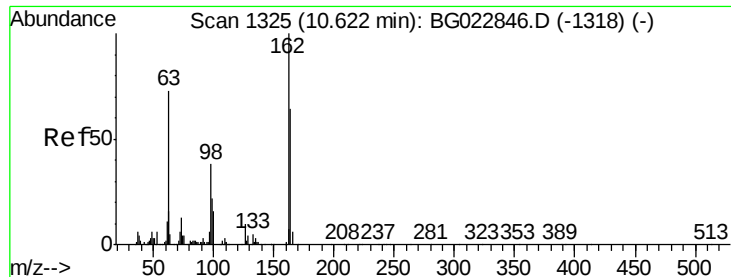


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

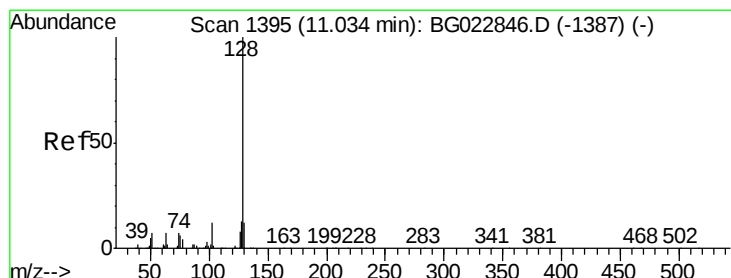
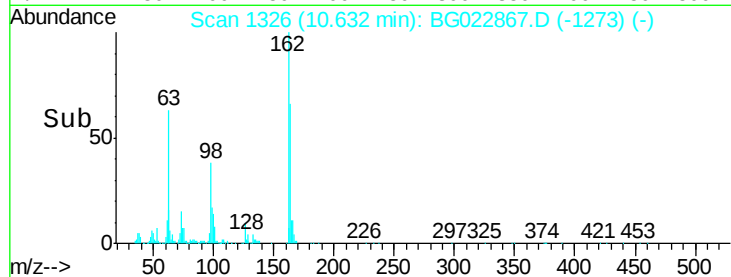
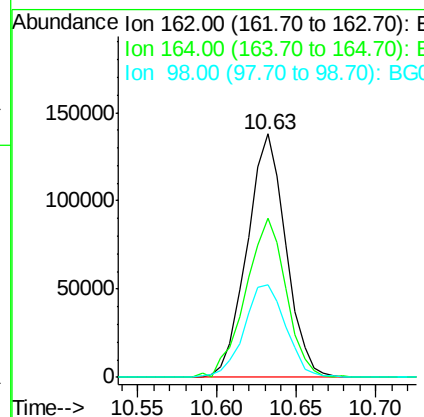
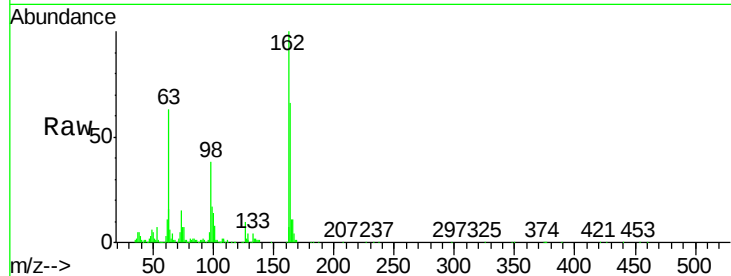




#27
 2,4-Dichlorophenol
 Concen: 19.56 ng/ul
 RT: 10.63 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

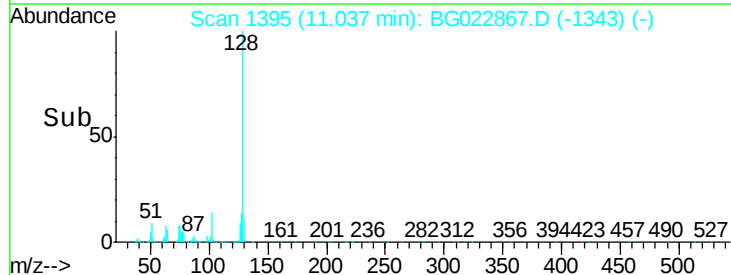
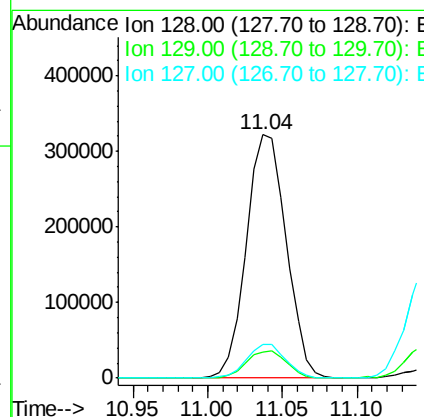
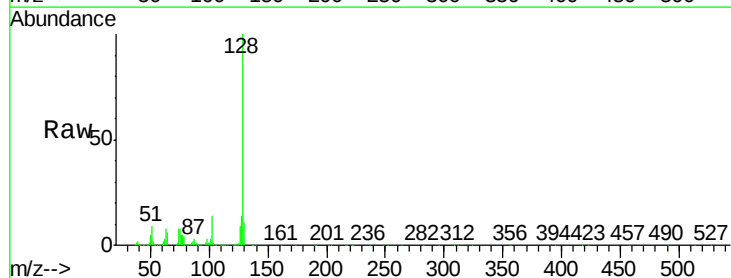
Instrument :
 BNA_G
 ClientSampleId :
 SST02022

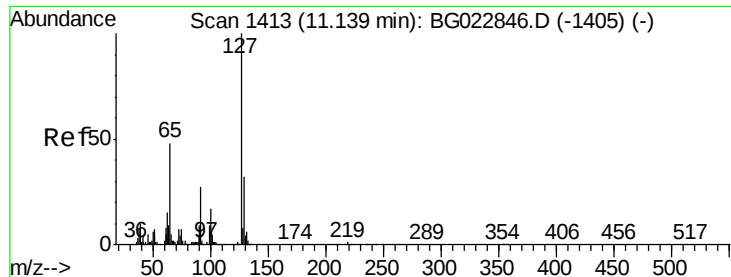
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.6	51.6	77.4
98	37.8	28.3	42.5



#28
 Naphthalene
 Concen: 19.60 ng/ul
 RT: 11.04 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.2
127	14.0	11.2	16.8

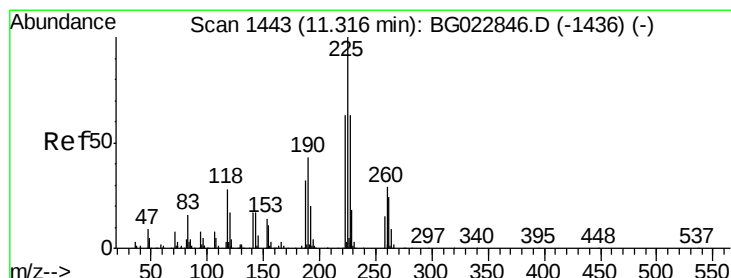
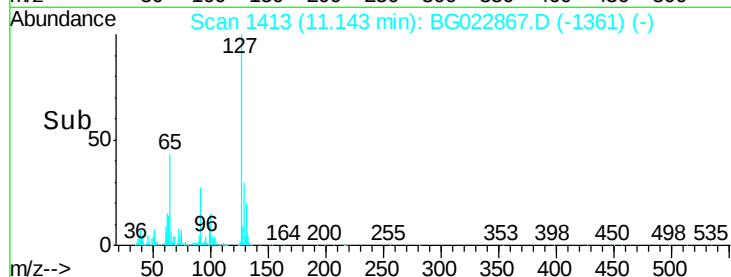
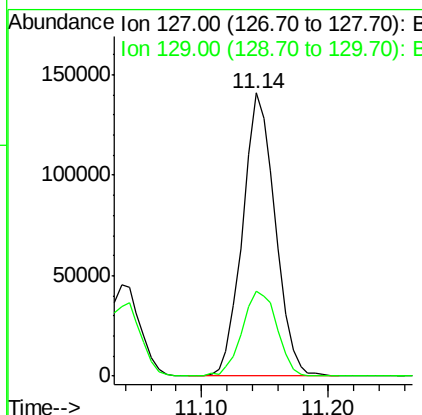
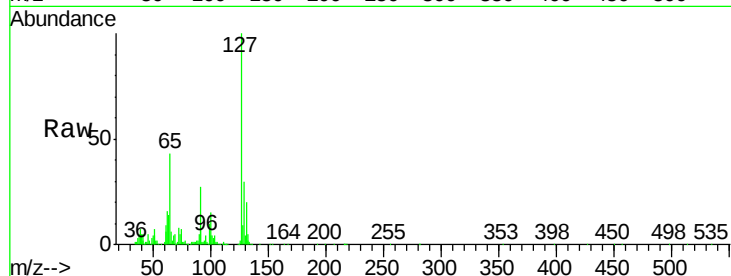




#30
4-Chloroaniline
Concen: 24.33 ng/ul
RT: 11.14 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

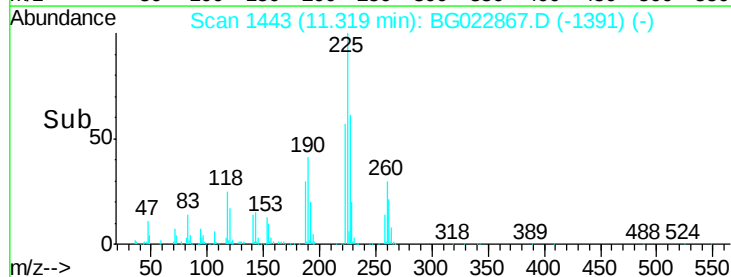
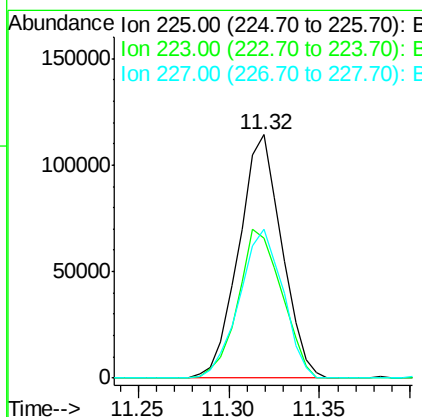
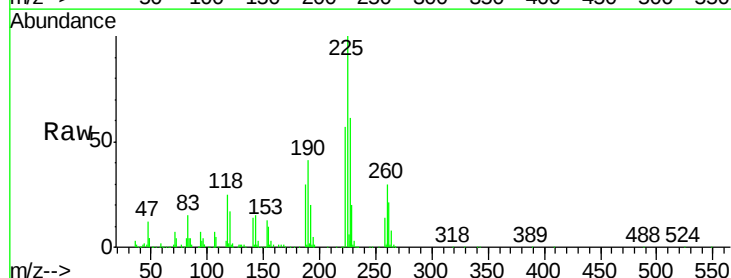
Instrument :
BNA_G
ClientSampleId :
SSTD02022

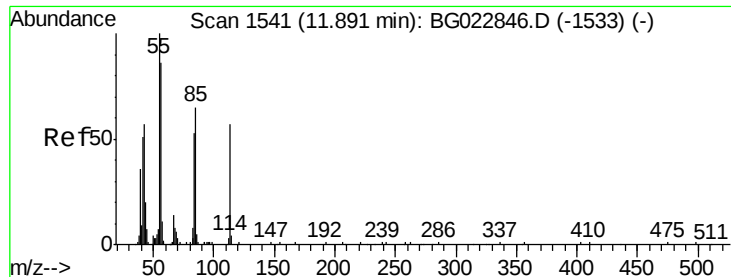
Tgt Ion:127 Resp: 251409
Ion Ratio Lower Upper
127 100
129 29.9 26.9 40.3



#31
Hexachlorobutadiene
Concen: 20.36 ng/ul
RT: 11.32 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion:225 Resp: 188332
Ion Ratio Lower Upper
225 100
223 57.4 54.7 82.1
227 61.4 52.2 78.4

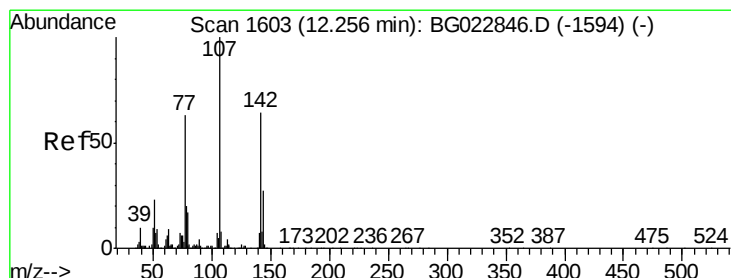
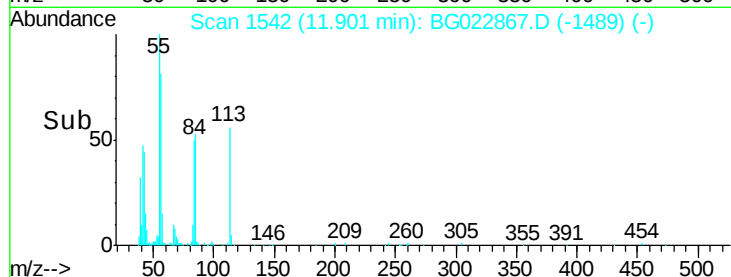
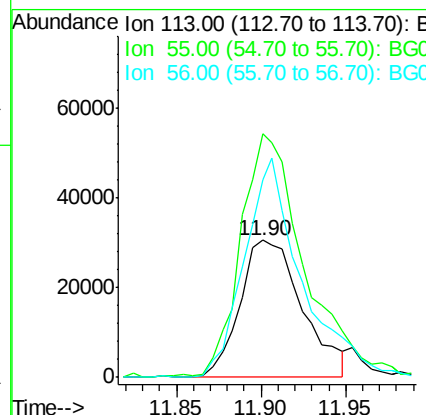
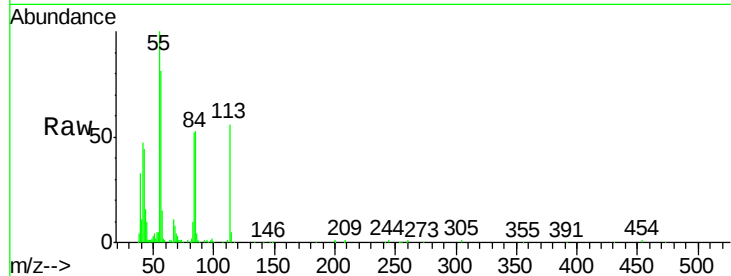




#32
 Caprolactam
 Concen: 19.55 ng/ul
 RT: 11.90 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

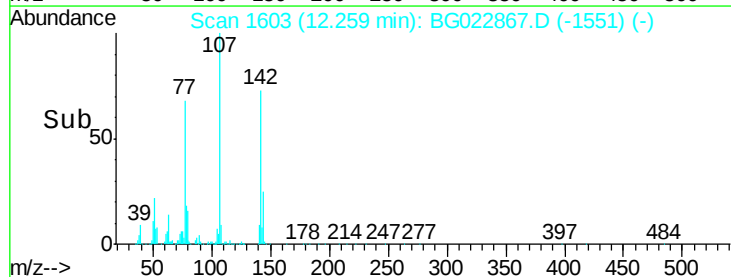
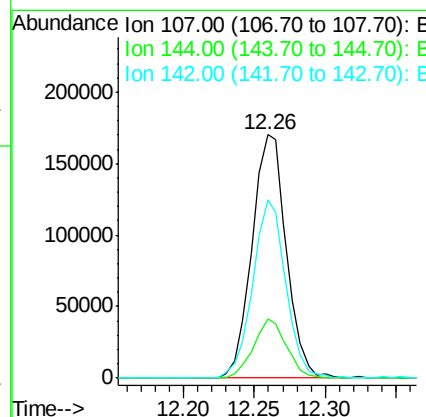
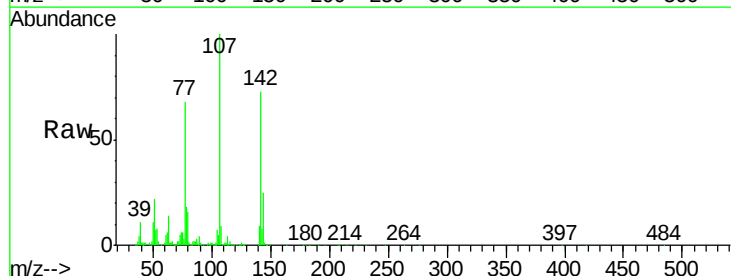
Instrument :
 BNA_G
 ClientSampleId :
 SST02022

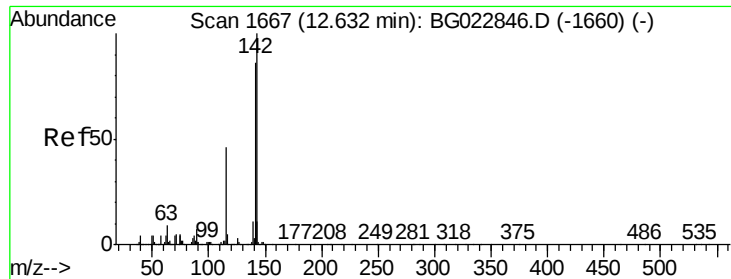
Tgt Ion:113 Resp: 78341
 Ion Ratio Lower Upper
 113 100
 55 178.0 99.6 149.4#
 56 143.9 66.4 99.6#



#33
 4-Chloro-3-methylphenol
 Concen: 19.12 ng/ul
 RT: 12.26 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion:107 Resp: 290429
 Ion Ratio Lower Upper
 107 100
 144 24.5 22.7 34.1
 142 73.1 71.6 107.4





#34

2-Methylnaphthalene

Concen: 19.86 ng/ul

RT: 12.64 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

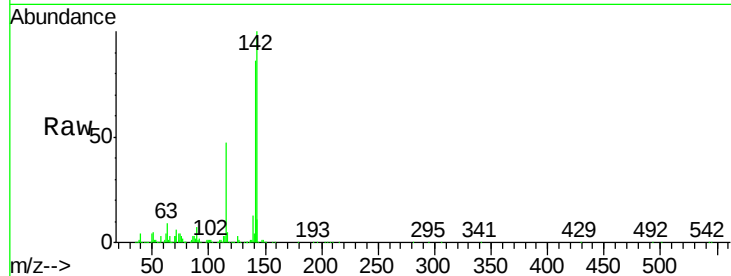
SSTD02022

Tgt Ion:142 Resp: 499097

Ion Ratio Lower Upper

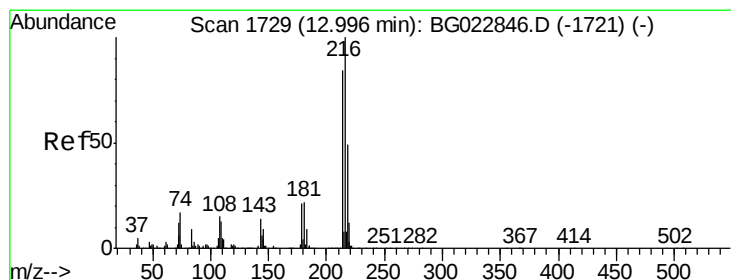
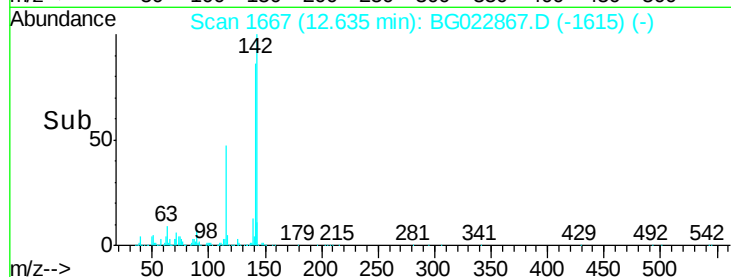
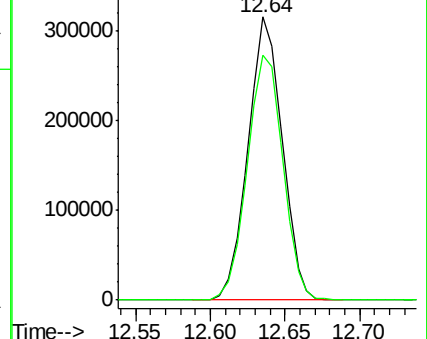
142 100

141 86.4 75.2 112.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 20.87 ng/ul

RT: 13.00 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Tgt Ion:216 Resp: 357103

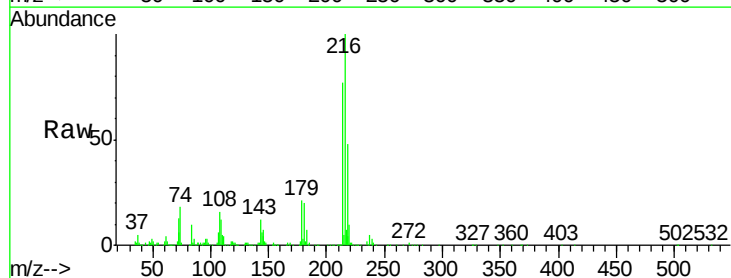
Ion Ratio Lower Upper

216 100

214 76.5 61.7 92.5

179 20.7 17.0 25.4

108 15.5 14.2 21.2

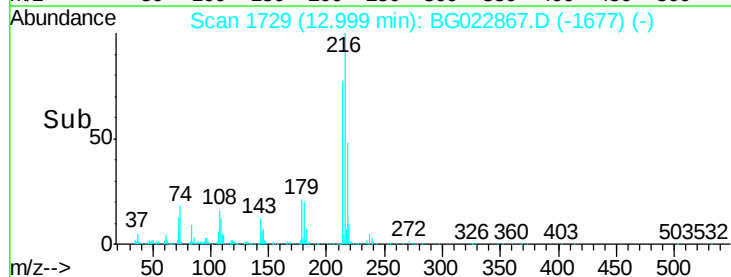
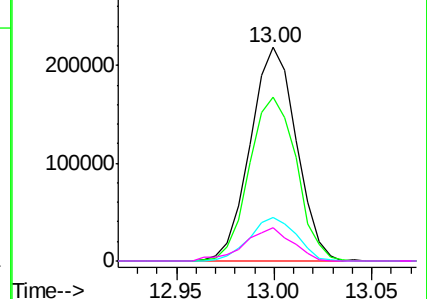


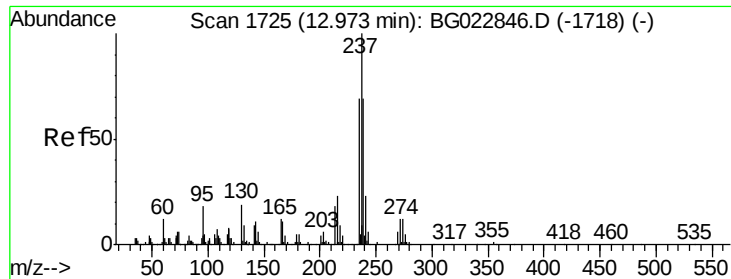
Abundance Ion 216.00 (215.70 to 216.70): E

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

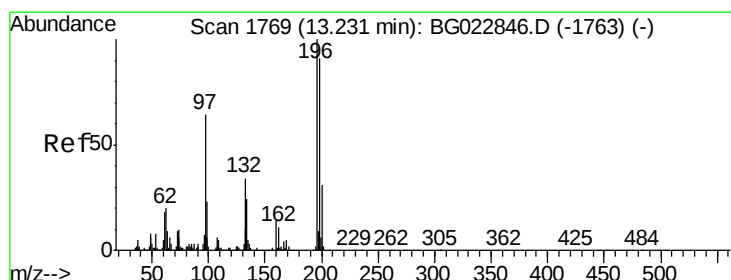
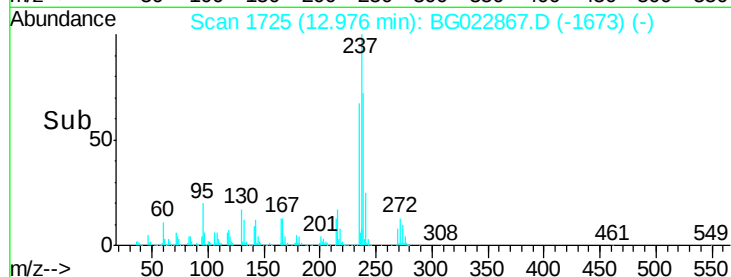
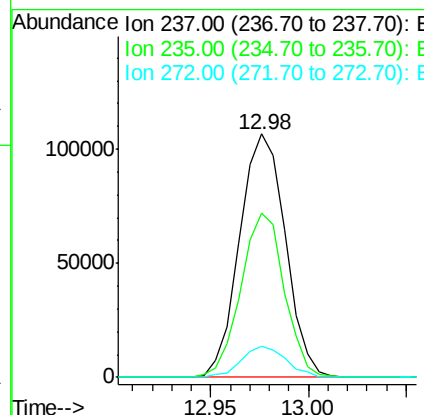
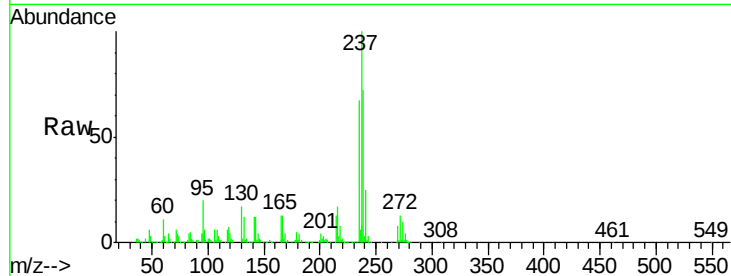




#37
Hexachlorocyclopentadiene
Concen: 16.76 ng/ul
RT: 12.98 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

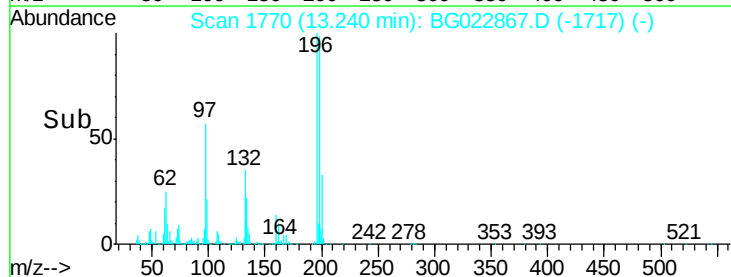
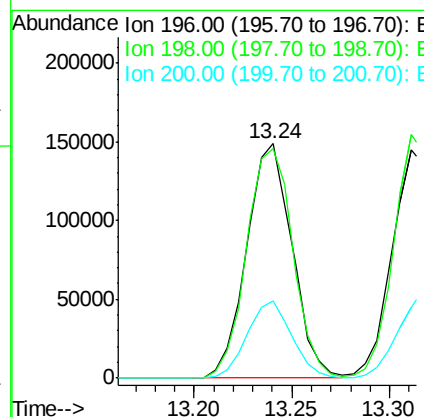
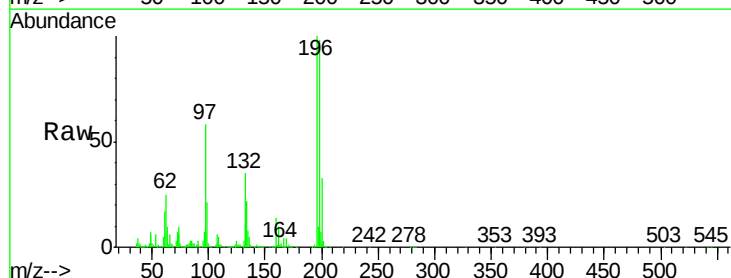
Instrument :
BNA_G
ClientSampleId :
SSTD02022

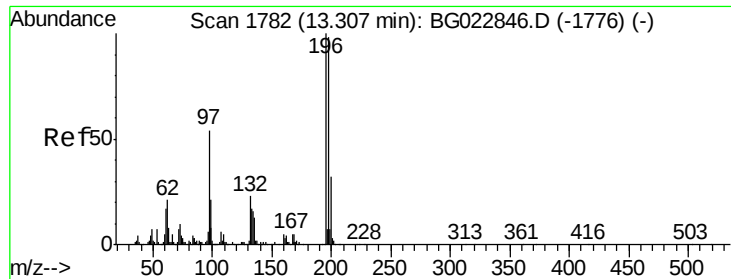
Tgt Ion: 237 Resp: 173165
Ion Ratio Lower Upper
237 100
235 67.2 49.6 74.4
272 13.0 9.3 13.9



#38
2,4,6-Trichlorophenol
Concen: 20.26 ng/ul
RT: 13.24 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion: 196 Resp: 239060
Ion Ratio Lower Upper
196 100
198 98.1 77.4 116.0
200 33.2 26.6 39.8

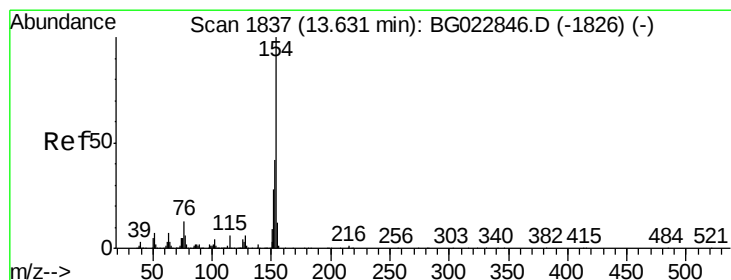
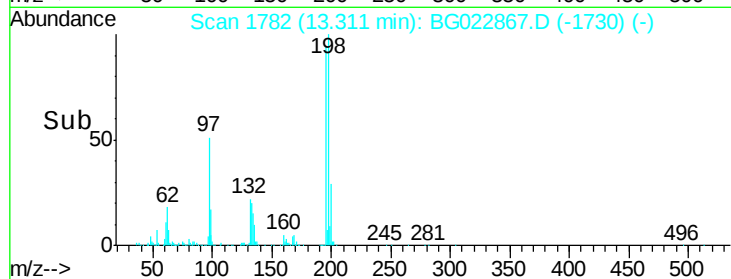
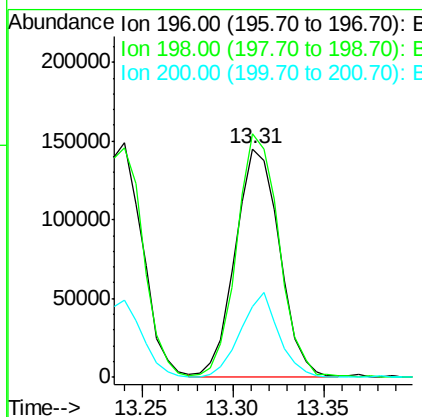
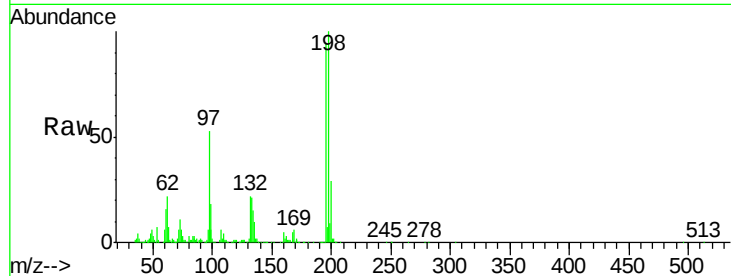




#39
 2,4,5-Trichlorophenol
 Concen: 19.97 ng/ul
 RT: 13.31 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

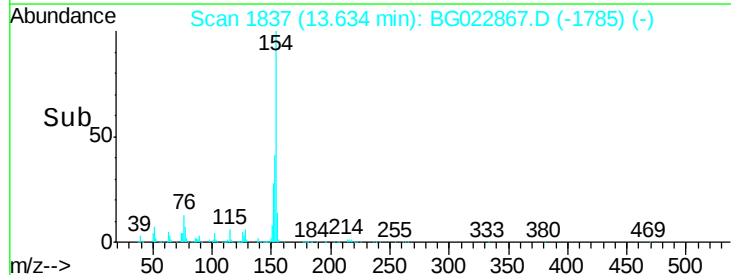
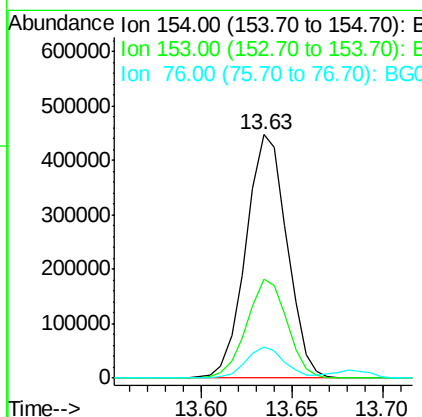
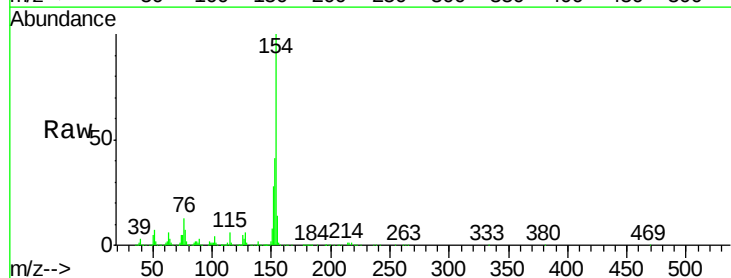
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

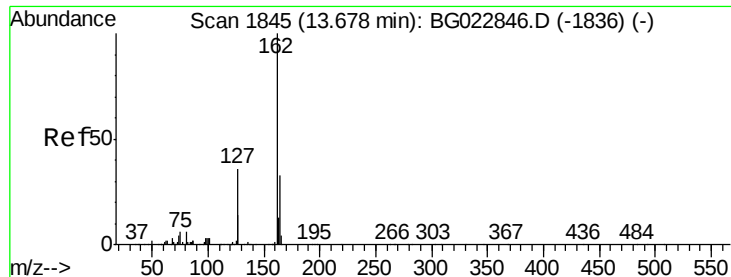
Tgt Ion	Resp	Lower	Upper
196	247950		
196	100		
198	106.4	79.8	119.8
200	30.8	24.0	36.0



#40
 1,1'-Biphenyl
 Concen: 20.22 ng/ul
 RT: 13.63 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion	Resp	Lower	Upper
154	703634		
154	100		
153	40.9	34.6	52.0
76	12.7	11.9	17.9

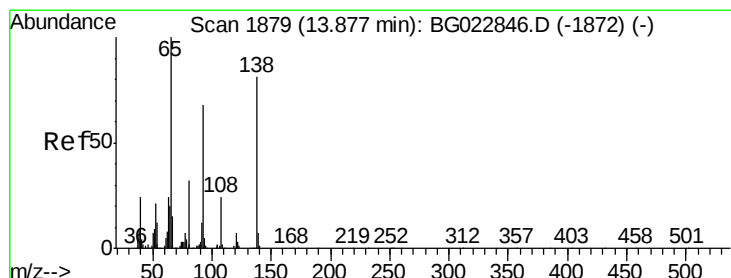
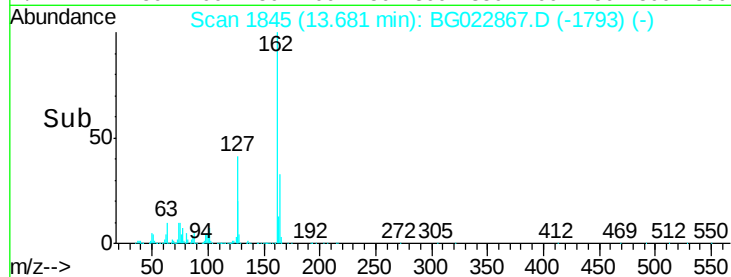
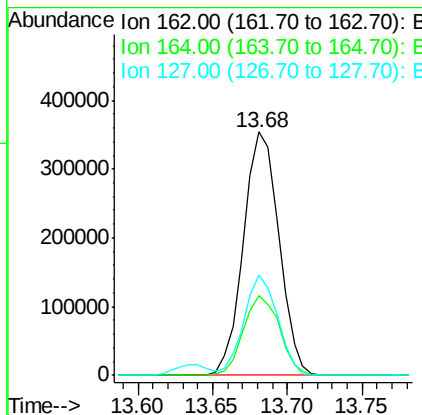
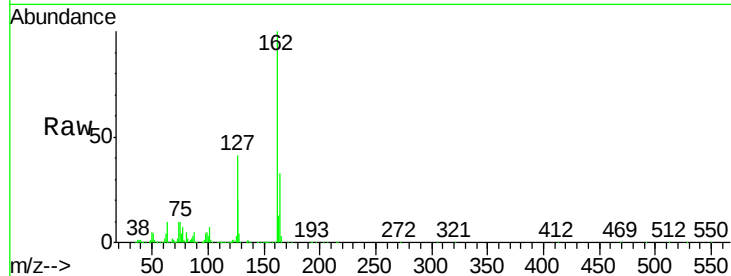




#41
 2-Chloronaphthalene
 Concen: 20.69 ng/ul
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

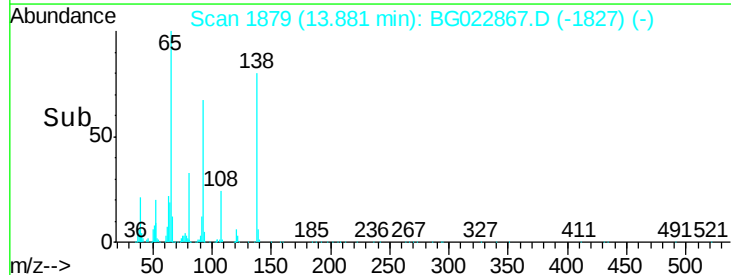
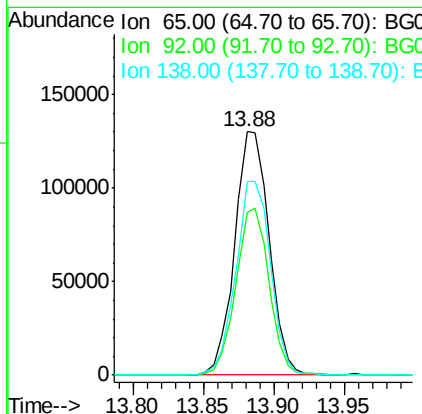
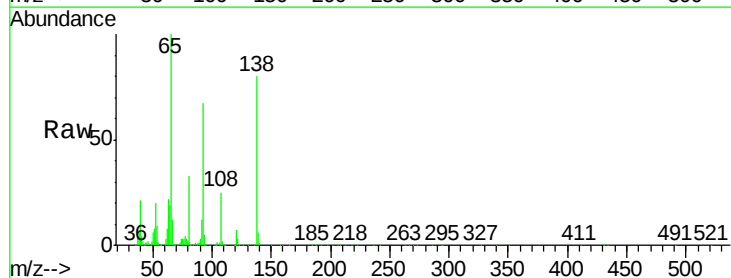
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

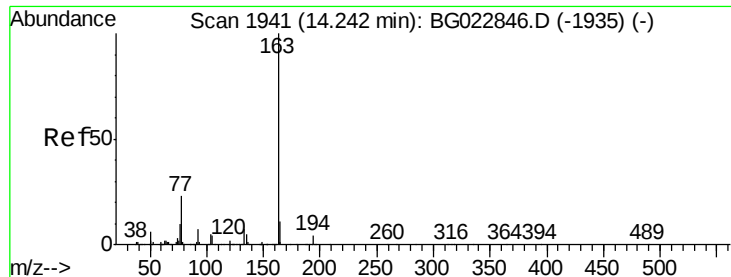
Tgt Ion: 162 Resp: 583172
 Ion Ratio Lower Upper
 162 100
 164 33.0 25.4 38.2
 127 41.0 30.2 45.4



#42
 2-Nitroaniline
 Concen: 20.39 ng/ul
 RT: 13.88 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion: 65 Resp: 222291
 Ion Ratio Lower Upper
 65 100
 92 67.0 67.1 100.7#
 138 79.6 109.6 164.4#

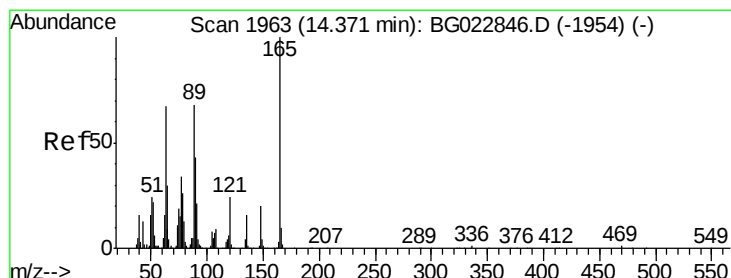
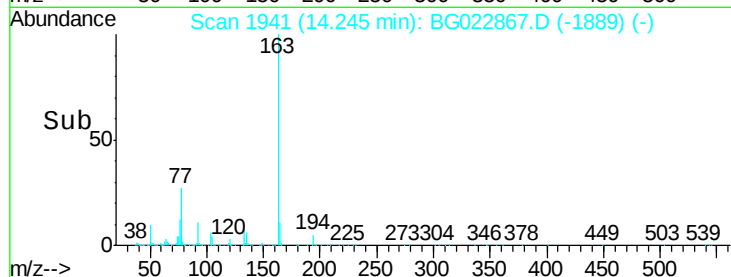
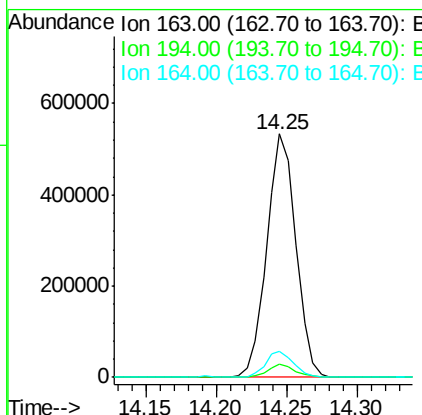
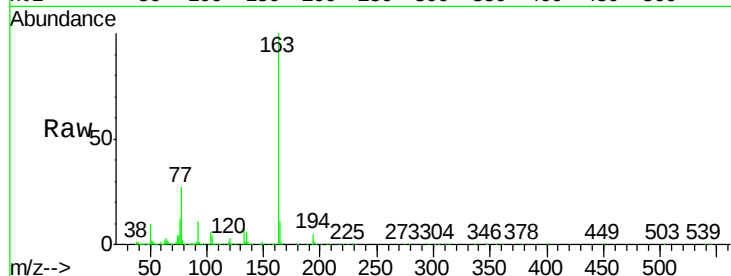




#44
Dimethylphthalate
Concen: 20.37 ng/ul
RT: 14.25 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

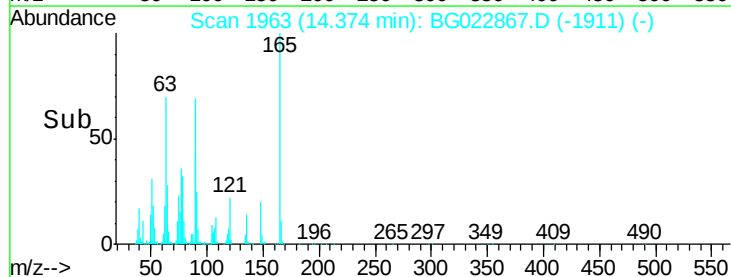
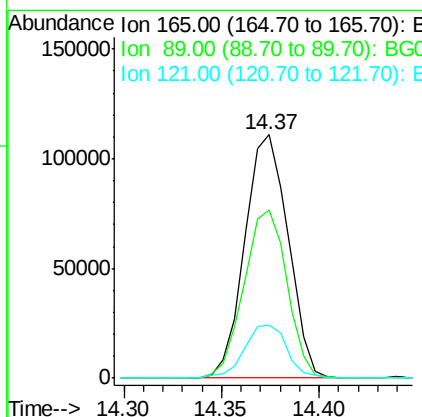
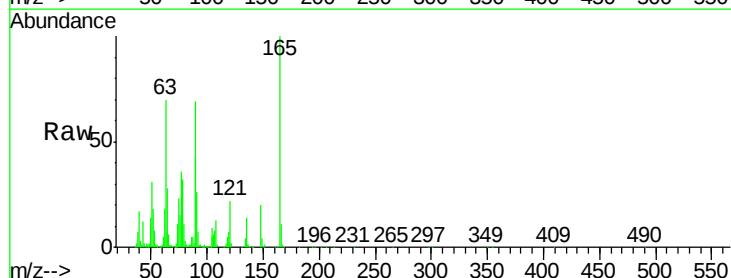
Instrument :
BNA_G
ClientSampleId :
SSTD02022

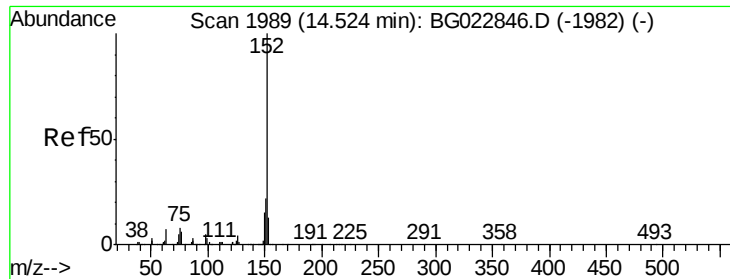
Tgt Ion:163 Resp: 773213
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.2#
164 10.8 8.8 13.2



#45
2,6-Dinitrotoluene
Concen: 20.78 ng/ul
RT: 14.37 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion:165 Resp: 170796
Ion Ratio Lower Upper
165 100
89 69.2 41.5 62.3#
121 21.8 17.0 25.4





#47

Acenaphthylene

Concen: 20.95 ng/ul

RT: 14.53 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

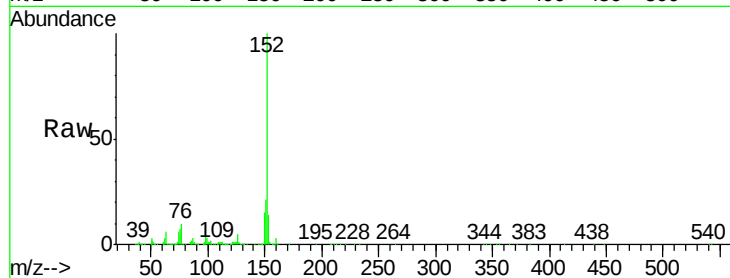
Tgt Ion:152 Resp: 898852

Ion Ratio Lower Upper

152 100

151 21.4 17.5 26.3

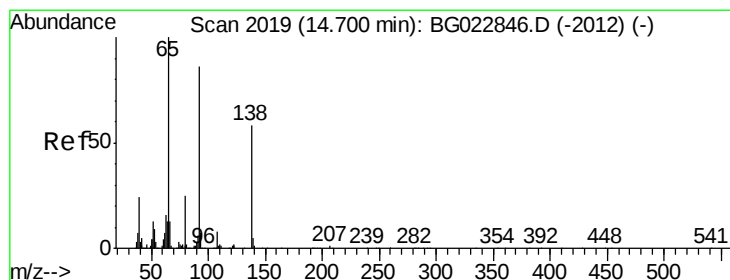
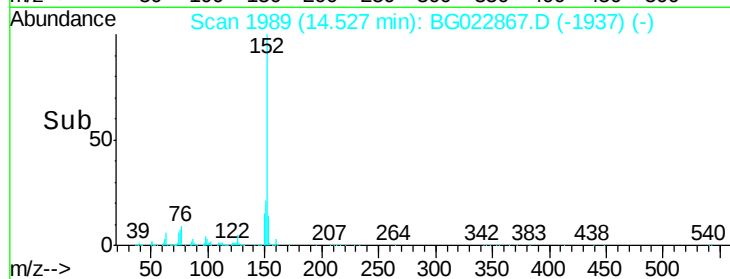
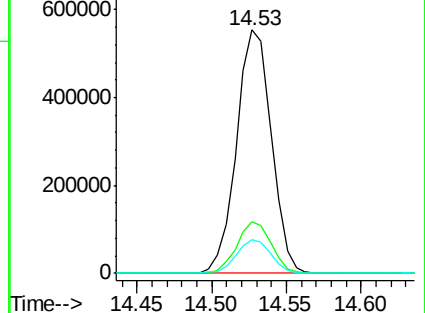
153 14.1 11.1 16.7



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



#48

3-Nitroaniline

Concen: 23.01 ng/ul

RT: 14.71 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

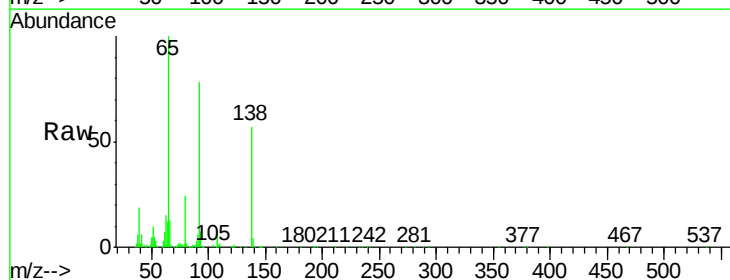
Tgt Ion:138 Resp: 147785

Ion Ratio Lower Upper

138 100

108 14.9 6.2 9.2#

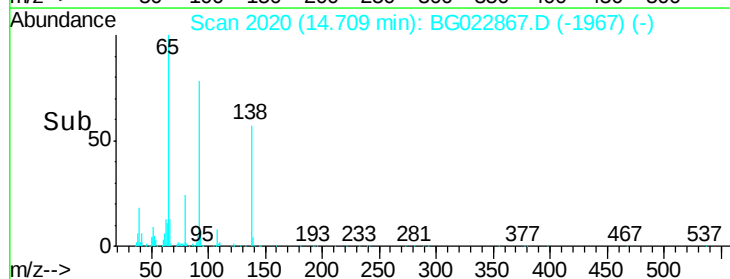
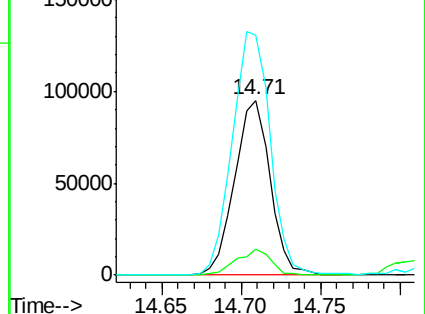
92 137.5 79.3 118.9#

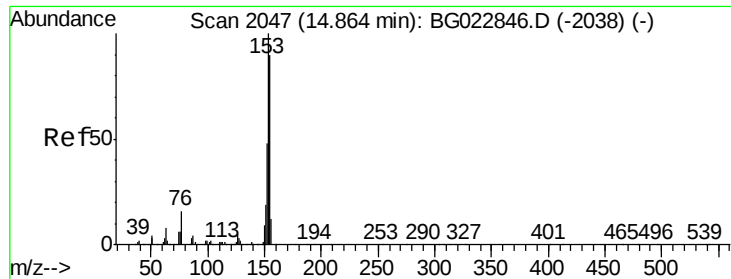


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#49

Acenaphthene

Concen: 20.41 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

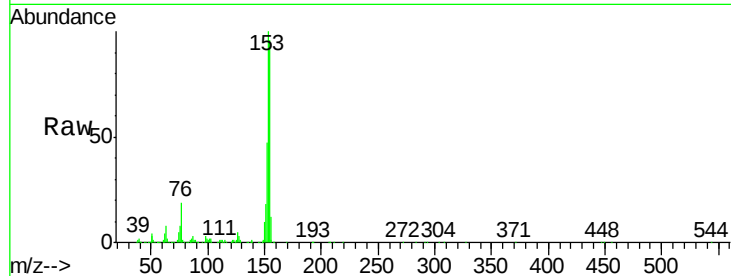
Tgt Ion:153 Resp: 595049

Ion Ratio Lower Upper

153 100

152 47.2 37.3 55.9

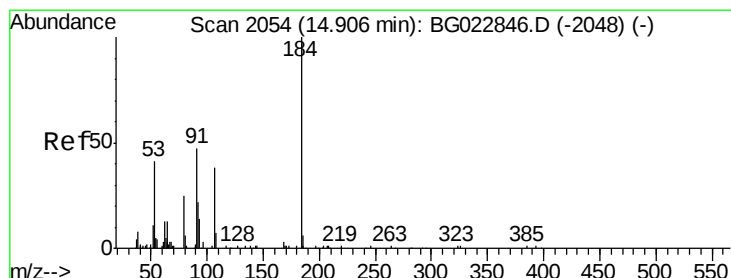
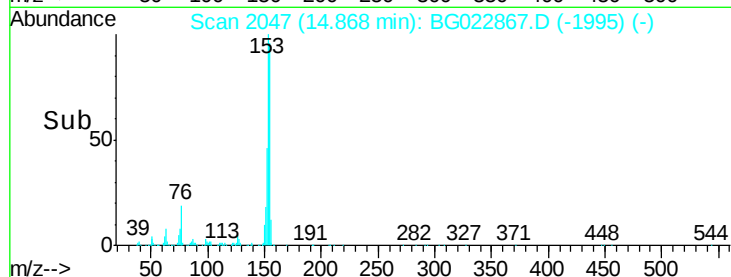
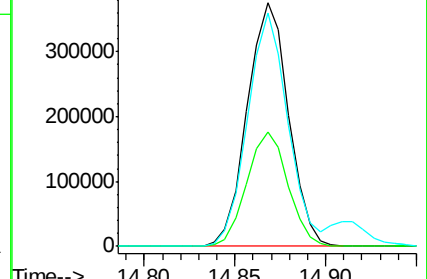
154 95.6 68.2 102.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 19.64 ng/ul

RT: 14.91 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

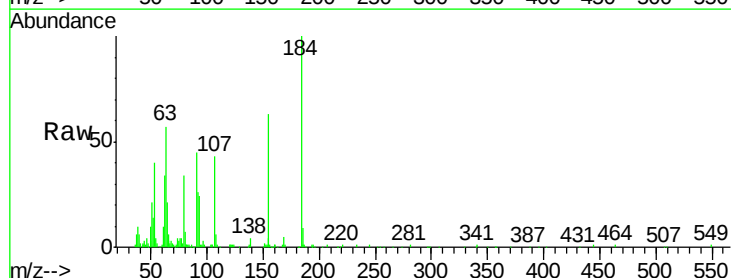
Tgt Ion:184 Resp: 89706

Ion Ratio Lower Upper

184 100

63 57.1 40.5 60.7

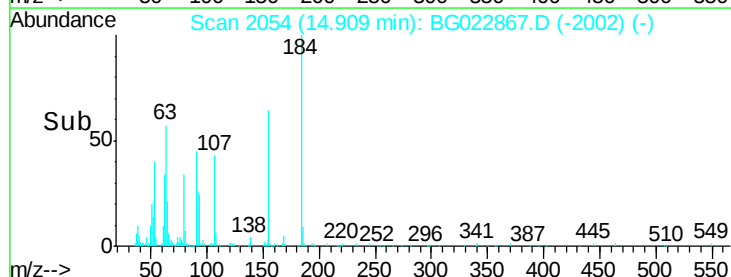
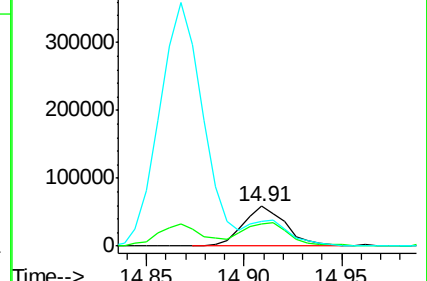
154 63.2 48.5 72.7

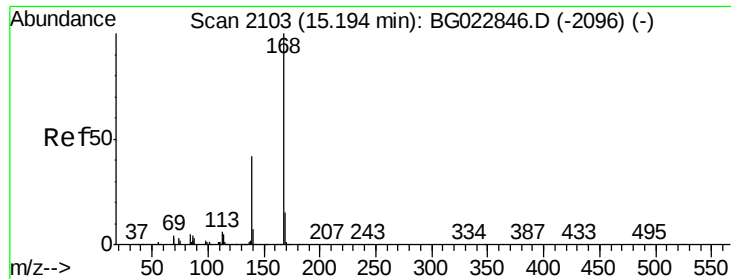


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 20.58 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

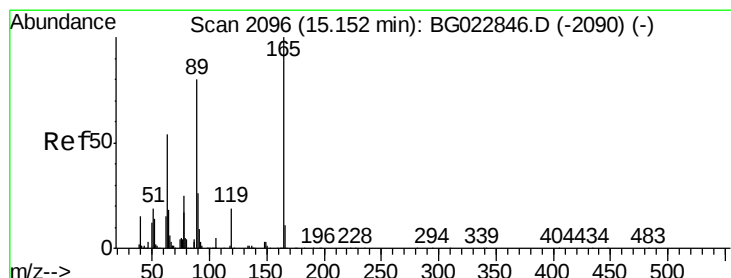
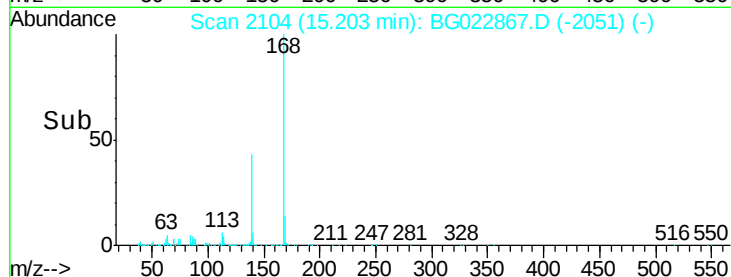
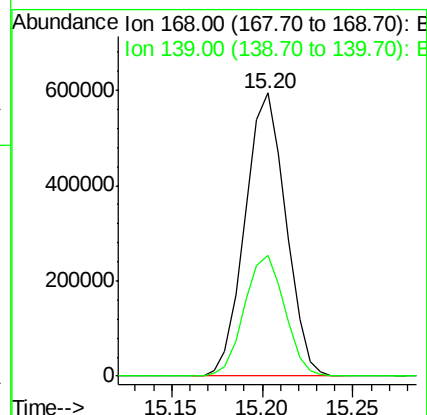
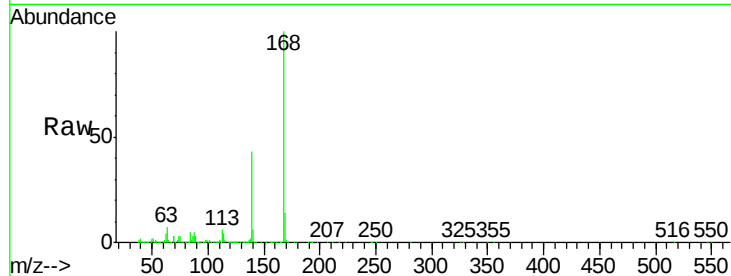
SSTD02022

Tgt Ion:168 Resp: 926929

Ion Ratio Lower Upper

168 100

139 42.6 27.4 41.0#



#54

2,4-Dinitrotoluene

Concen: 20.44 ng/ul

RT: 15.16 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

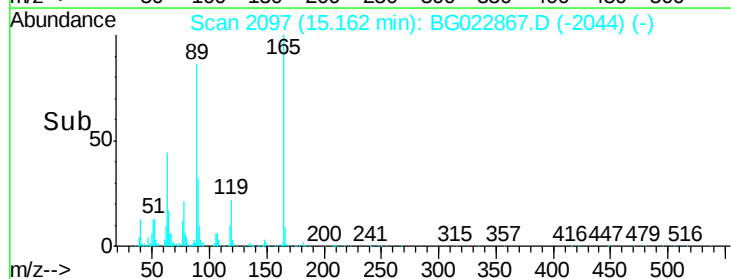
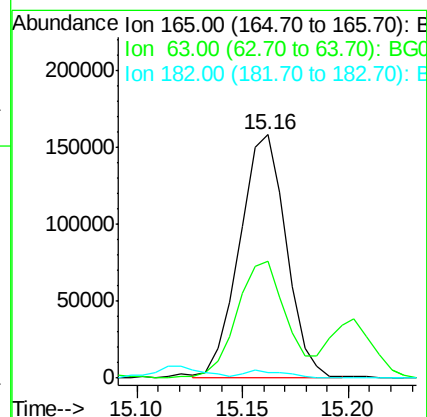
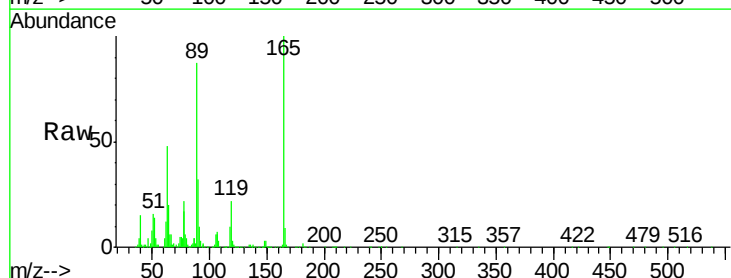
Tgt Ion:165 Resp: 242990

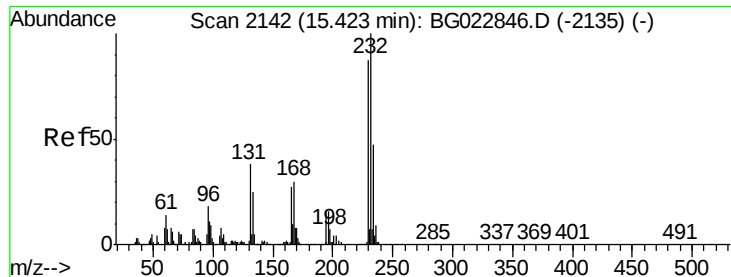
Ion Ratio Lower Upper

165 100

63 48.0 25.7 38.5#

182 2.4 2.1 3.1

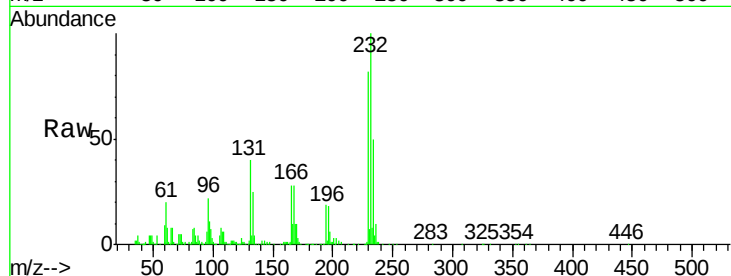




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 20.40 ng/ul
 RT: 15.43 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

Tgt Ion:	232	Resp:	257912
Ion	Ratio	Lower	Upper
232	100		
131	39.8	34.8	52.2
130	1.8	2.2	3.2#
166	28.0	23.8	35.6

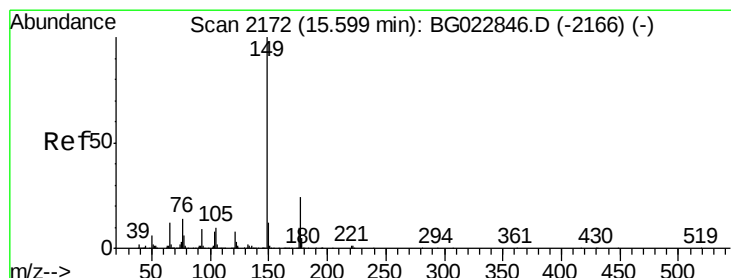
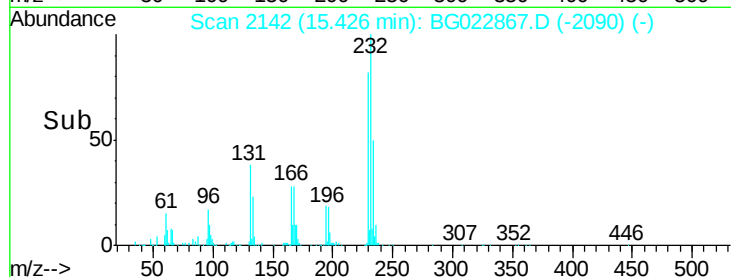
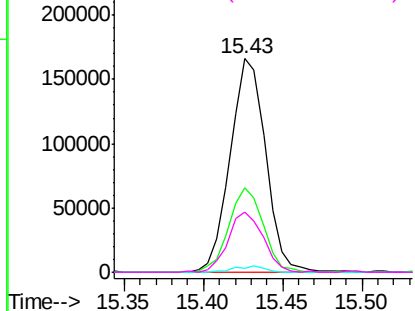


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

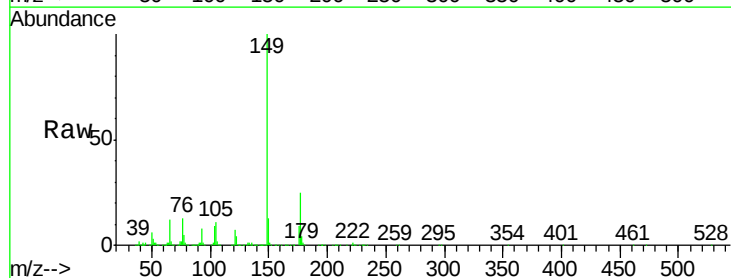
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#56
 Diethylphthalate
 Concen: 20.20 ng/ul
 RT: 15.61 min Scan# 2173
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

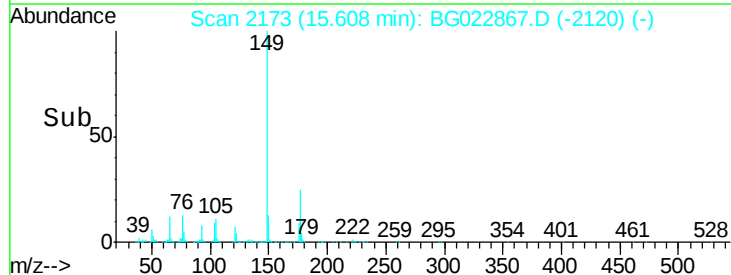
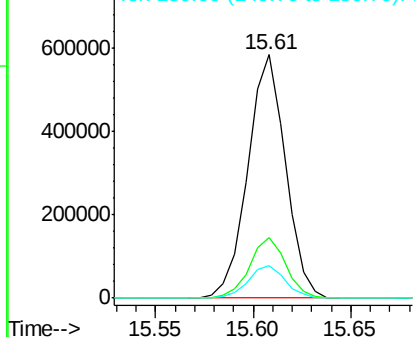
Tgt Ion:	149	Resp:	779080
Ion	Ratio	Lower	Upper
149	100		
177	24.8	17.4	26.2
150	13.2	9.6	14.4

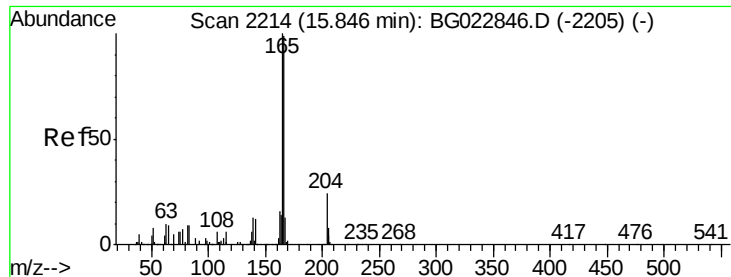


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 20.03 ng/ul

RT: 15.85 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

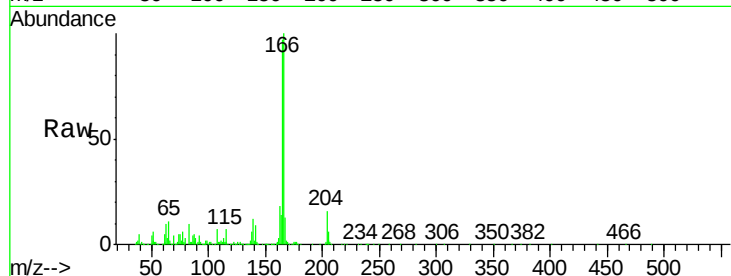
Tgt Ion:166 Resp: 724742

Ion Ratio Lower Upper

166 100

165 97.2 80.3 120.5

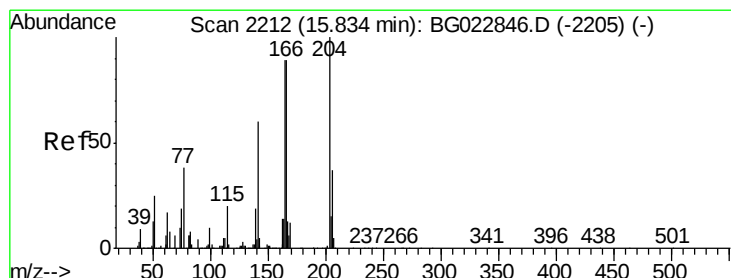
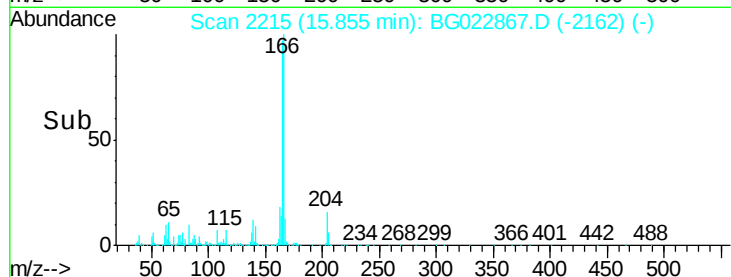
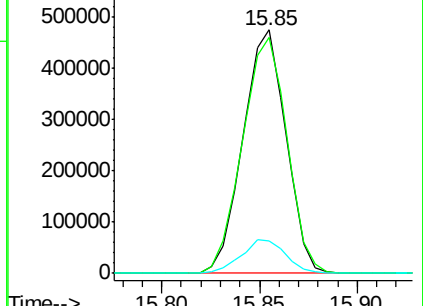
167 13.3 10.3 15.5



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



#59

4-Chlorophenyl-phenylether

Concen: 19.81 ng/ul

RT: 15.84 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

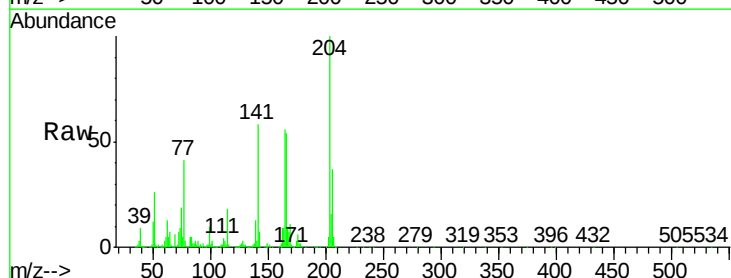
Tgt Ion:204 Resp: 429265

Ion Ratio Lower Upper

204 100

206 37.0 27.4 41.2

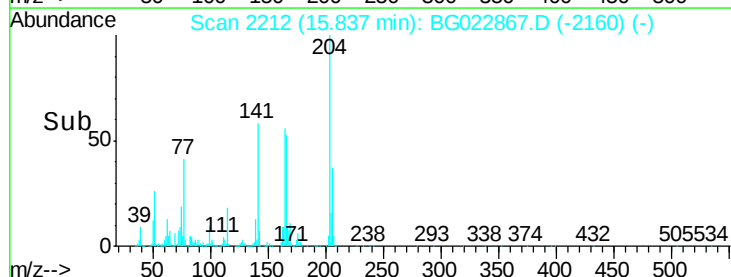
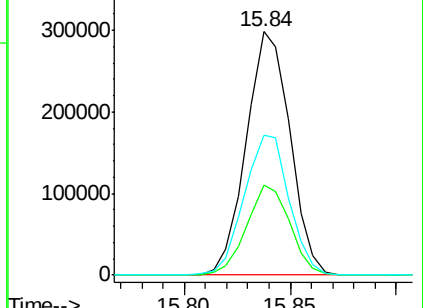
141 57.7 47.1 70.7

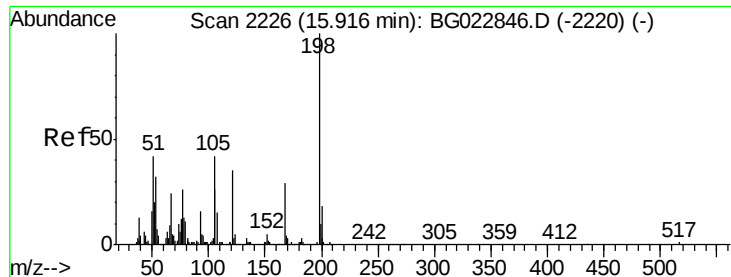


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

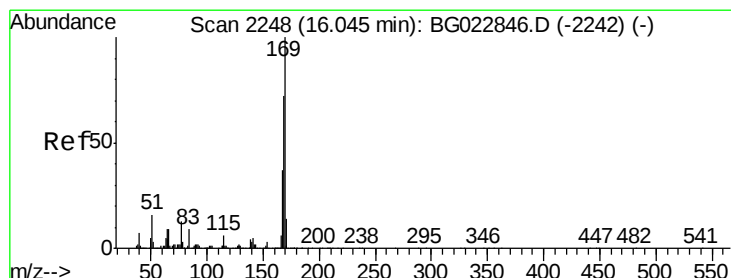
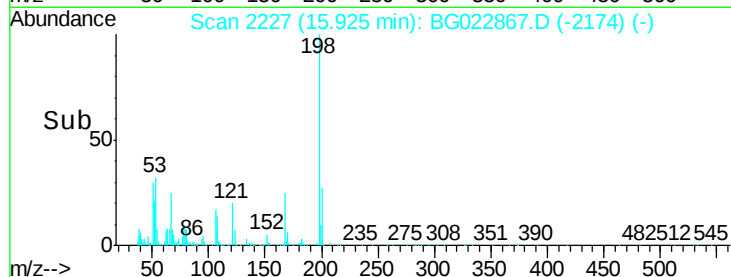
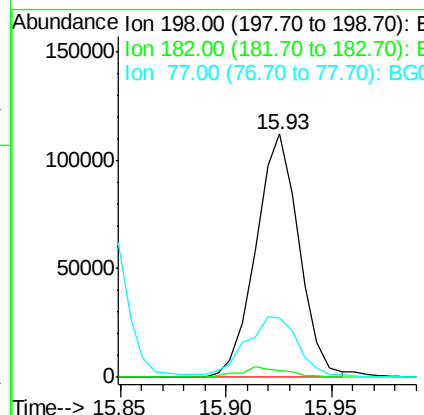
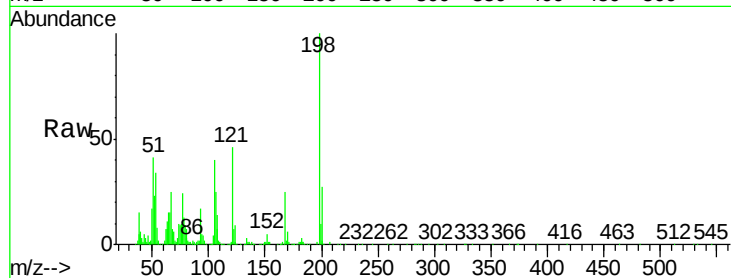




#63
 4,6-Dinitro-2-methylphenol
 Concen: 21.21 ng/ul
 RT: 15.93 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

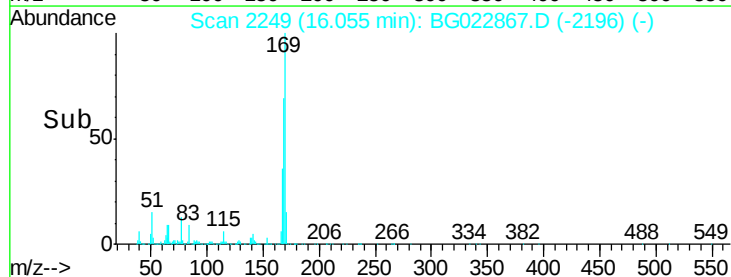
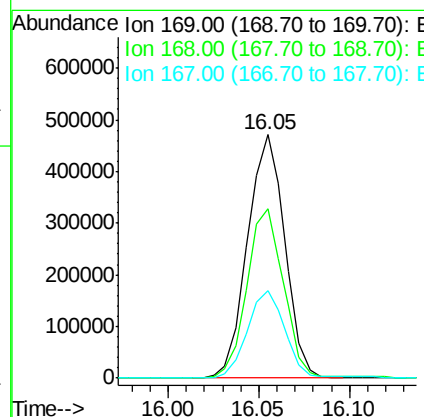
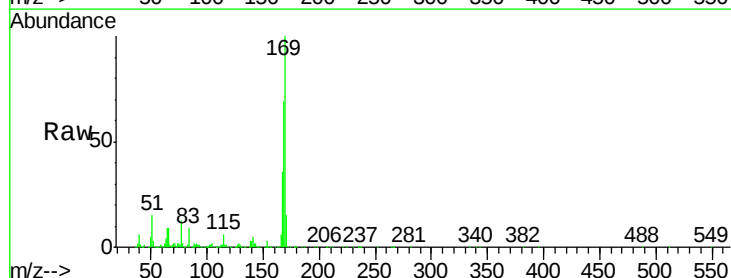
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

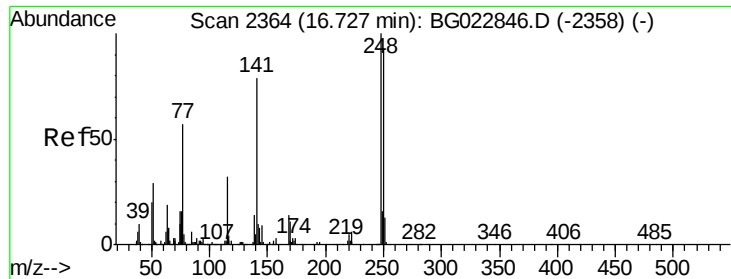
Tgt Ion:198 Resp: 159398
 Ion Ratio Lower Upper
 198 100
 182 3.0 4.2 6.2#
 77 24.3 16.7 25.1



#64
 N-Nitrosodiphenylamine
 Concen: 20.81 ng/ul
 RT: 16.05 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion:169 Resp: 675511
 Ion Ratio Lower Upper
 169 100
 168 69.4 59.0 88.6
 167 36.2 30.6 46.0

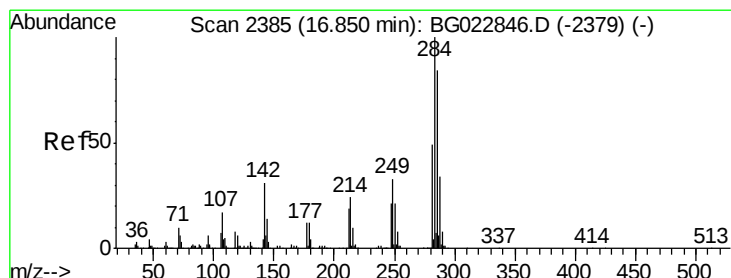
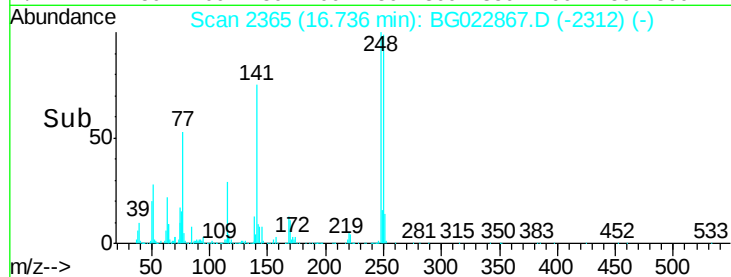
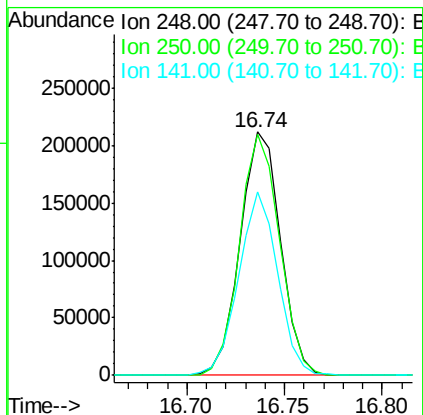
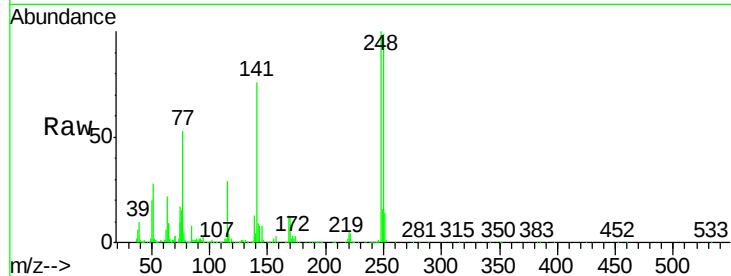




#65
4-Bromophenyl-phenylether
Concen: 20.52 ng/ul
RT: 16.74 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

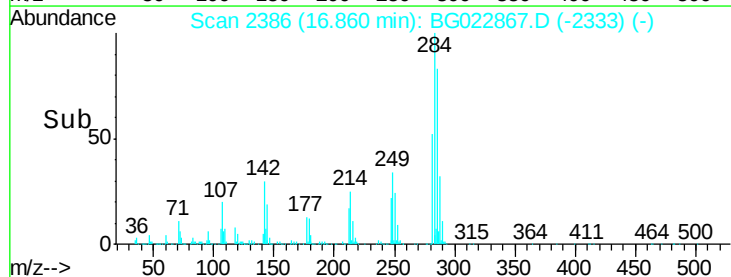
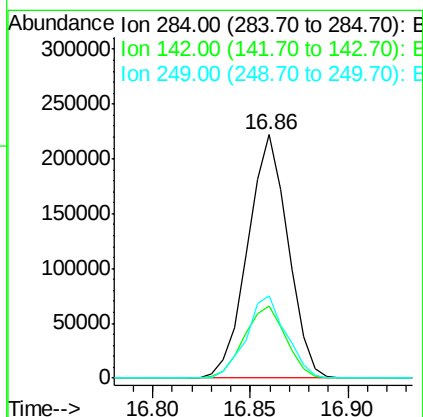
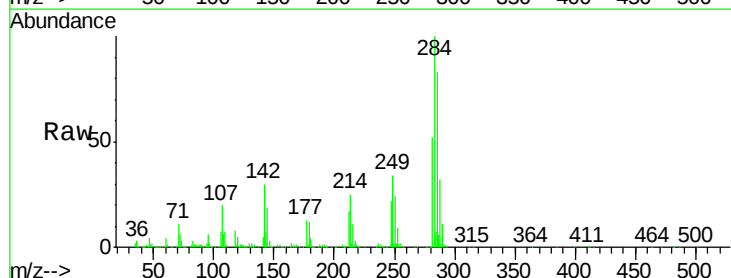
Instrument :
BNA_G
ClientSampled :
SSTD02022

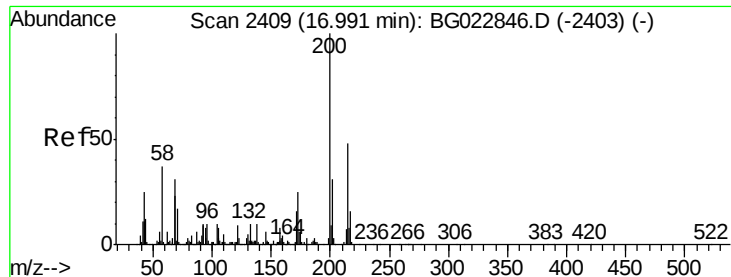
Tgt Ion:248 Resp: 302545
Ion Ratio Lower Upper
248 100
250 99.2 76.6 114.8
141 75.6 61.8 92.6



#66
Hexachlorobenzene
Concen: 20.38 ng/ul
RT: 16.86 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BG022867.D
Acq: 6 Jul 2016 2:07

Tgt Ion:284 Resp: 318123
Ion Ratio Lower Upper
284 100
142 29.5 27.8 41.8
249 33.6 24.4 36.6

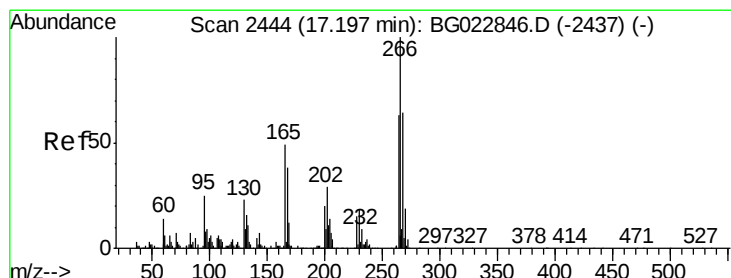
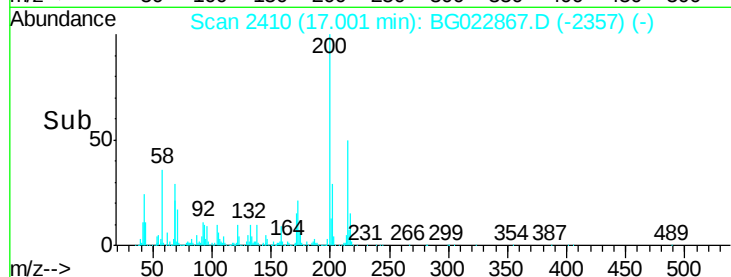
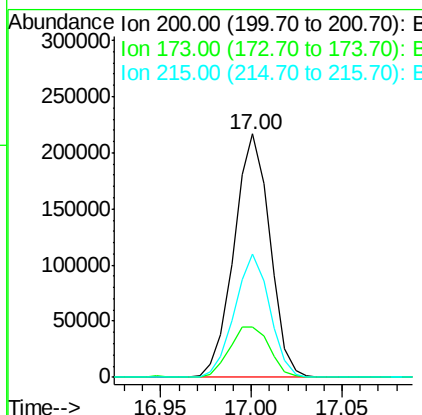
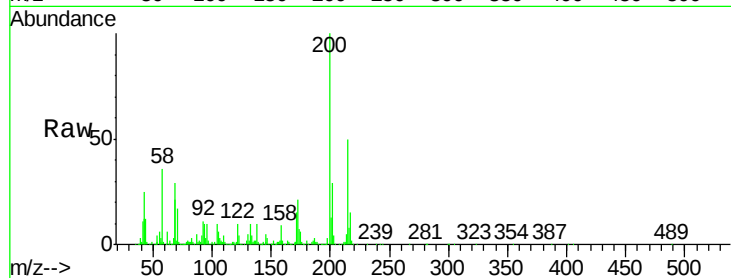




#67
 Atrazine
 Concen: 22.08 ng/ul
 RT: 17.00 min Scan# 2410
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

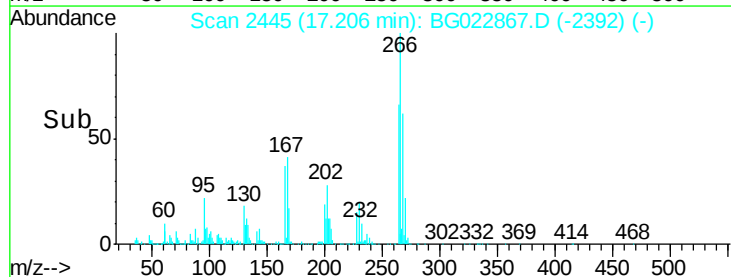
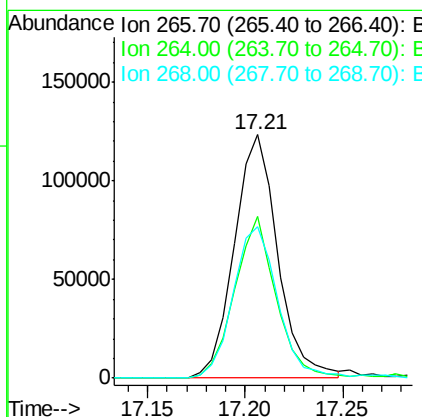
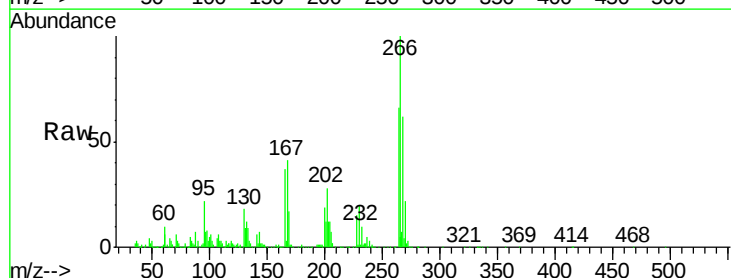
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

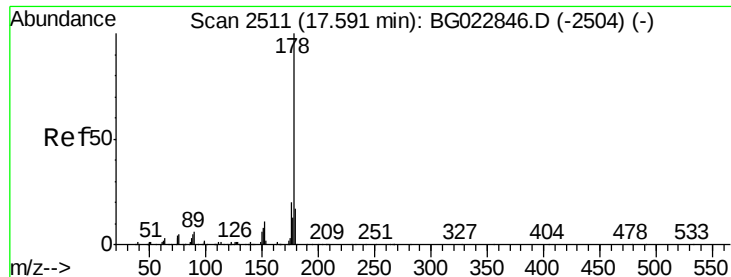
Tgt Ion	Ratio	Lower	Upper
200	100		
173	20.7	21.0	31.6#
215	50.5	37.9	56.9



#68
 Pentachlorophenol
 Concen: 21.09 ng/ul
 RT: 17.21 min Scan# 2445
 Delta R.T. 0.01 min
 Lab File: BG022867.D
 Acq: 6 Jul 2016 2:07

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.3	54.7	82.1
268	62.0	57.8	86.8





#69

Phenanthrene

Concen: 20.83 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

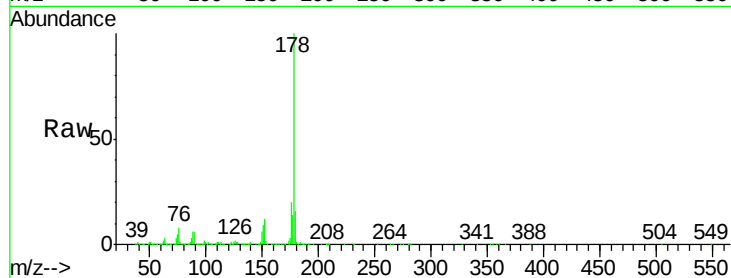
Tgt Ion:178 Resp: 1174741

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

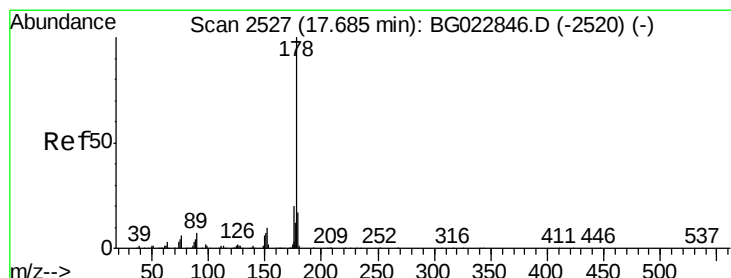
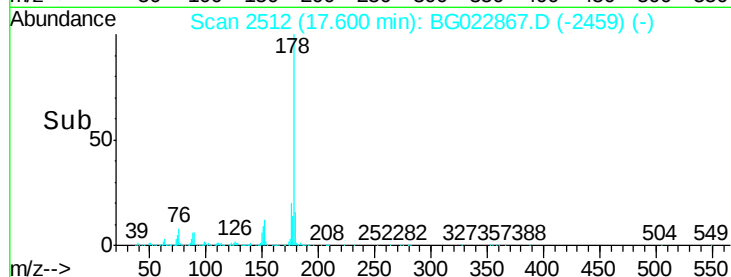
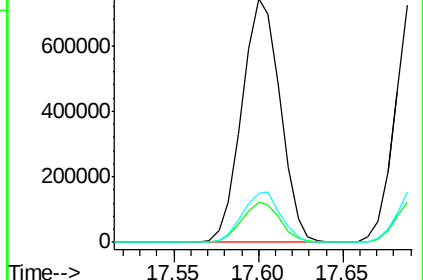
176 20.1 15.8 23.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 20.77 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

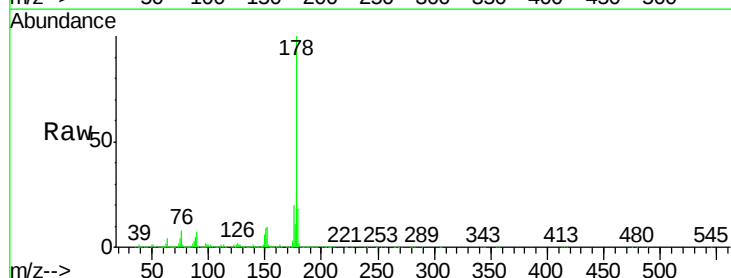
Tgt Ion:178 Resp: 1203518

Ion Ratio Lower Upper

178 100

179 17.7 12.3 18.5

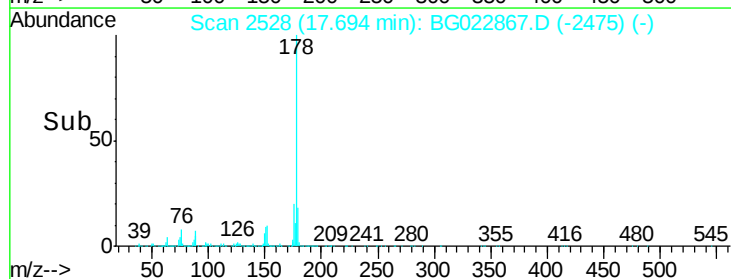
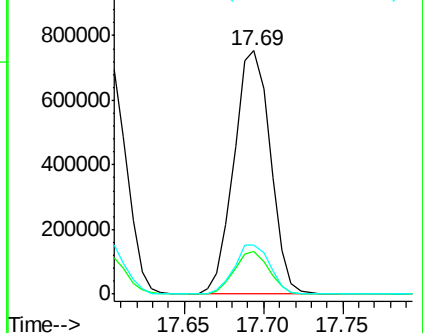
176 20.0 16.3 24.5

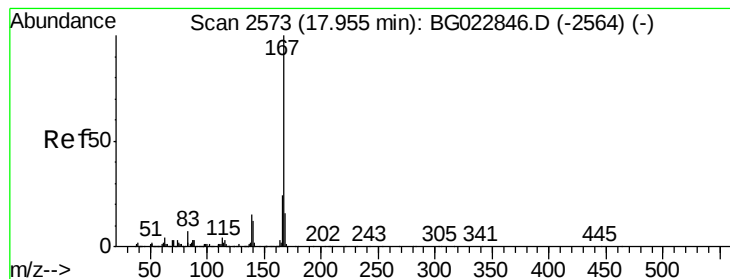


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 23.11 ng/ul

RT: 17.96 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

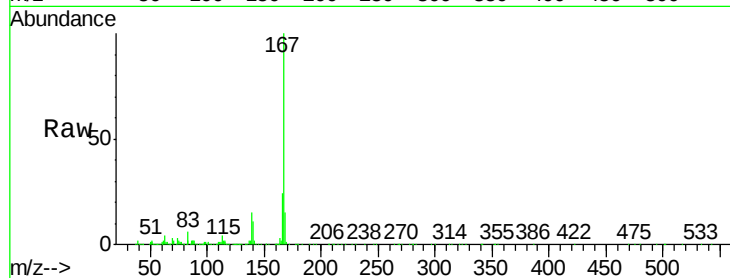
Tgt Ion:167 Resp: 991029

Ion Ratio Lower Upper

167 100

166 23.9 19.2 28.8

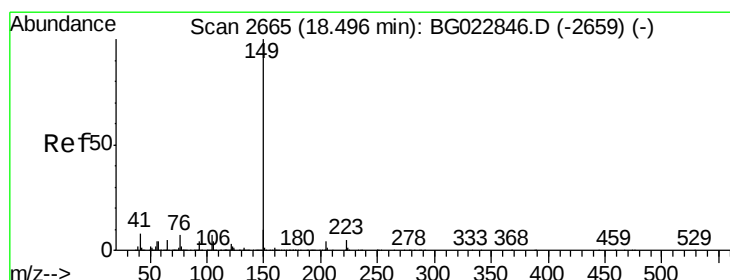
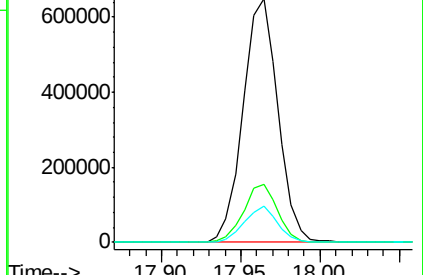
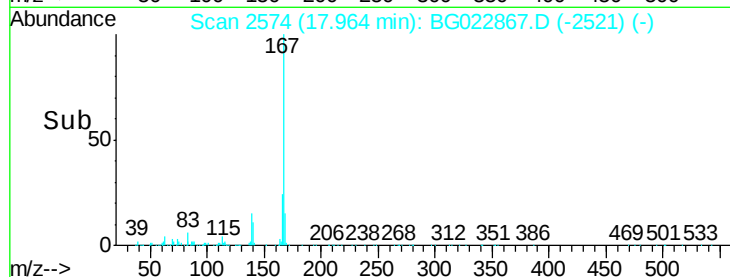
139 14.9 10.2 15.4



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: 22.27 ng/ul

RT: 18.50 min Scan# 2666

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

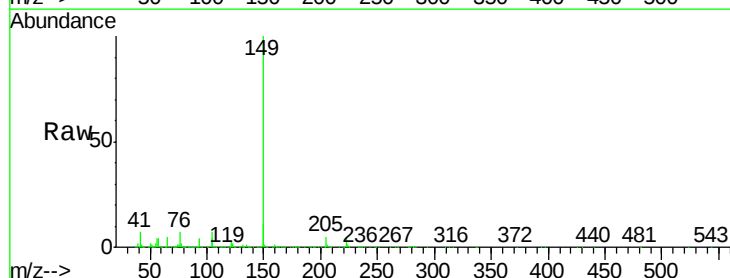
Tgt Ion:149 Resp: 1225860

Ion Ratio Lower Upper

149 100

150 10.5 7.1 10.7

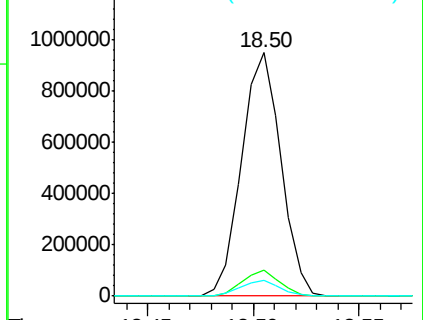
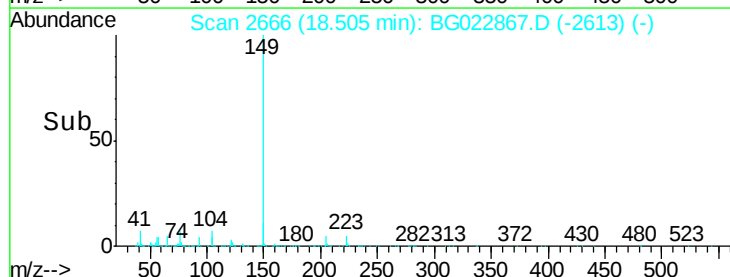
104 6.7 3.3 4.9#

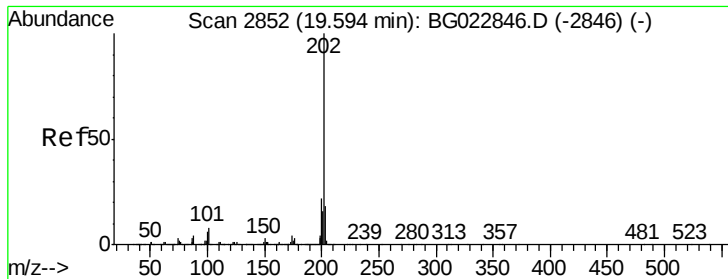


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 23.86 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

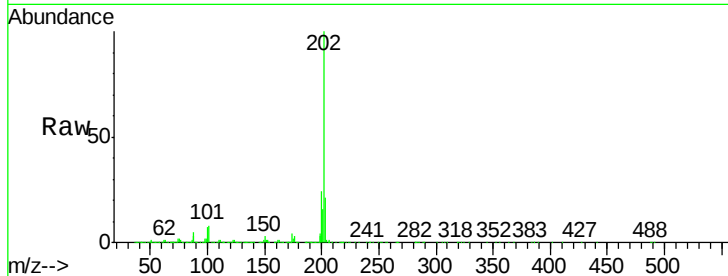
Tgt Ion:202 Resp: 1401787

Ion Ratio Lower Upper

202 100

101 8.1 10.6 16.0#

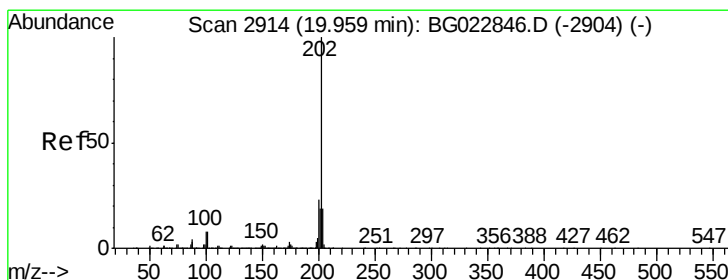
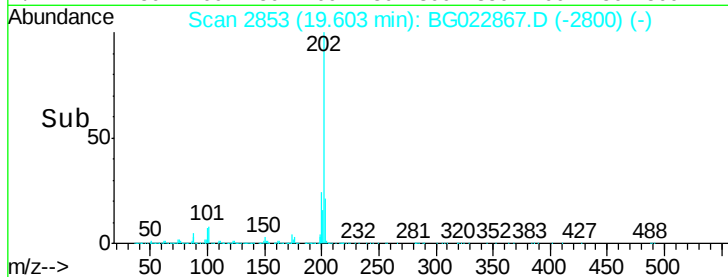
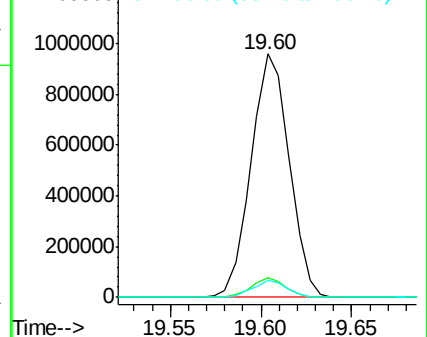
100 6.9 8.7 13.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 21.55 ng/ul

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

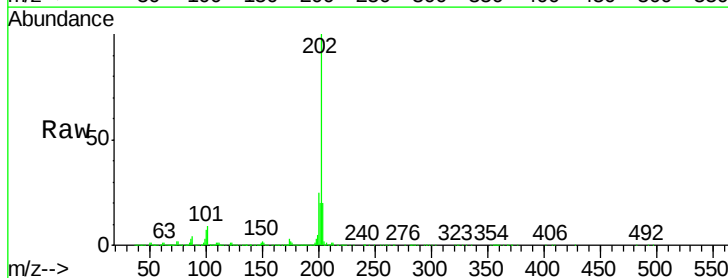
Tgt Ion:202 Resp: 1423711

Ion Ratio Lower Upper

202 100

101 9.3 12.5 18.7#

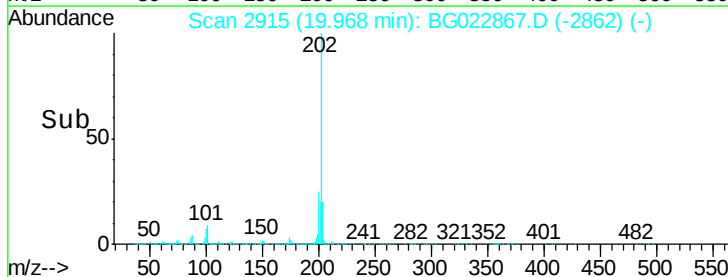
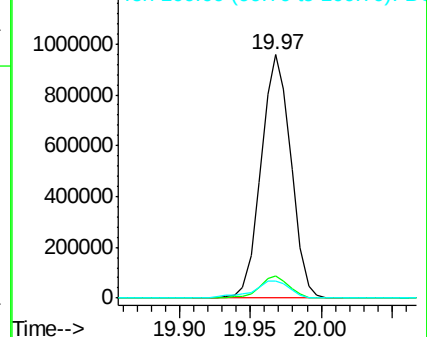
100 7.2 10.2 15.4#

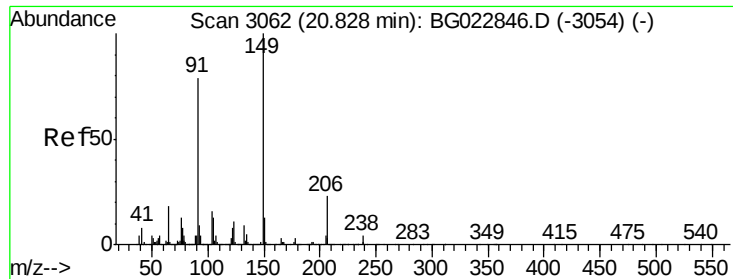


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 22.20 ng/ul

RT: 20.84 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

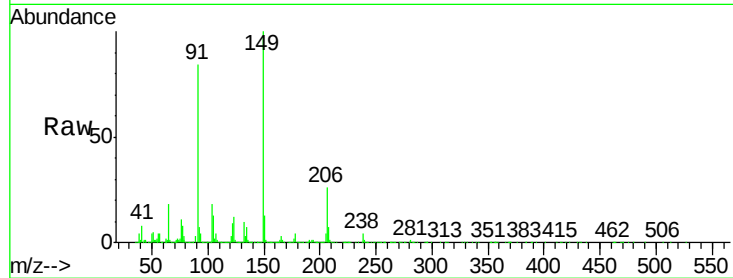
Tgt Ion:149 Resp: 568742

Ion Ratio Lower Upper

149 100

91 83.8 54.2 81.4#

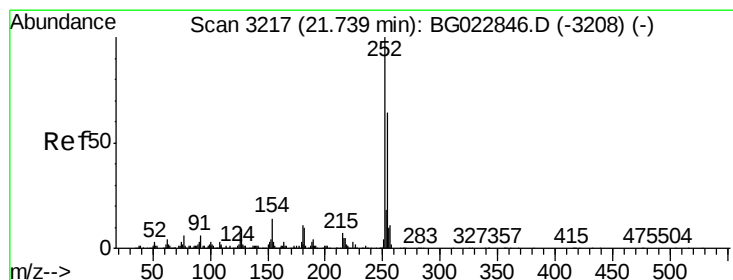
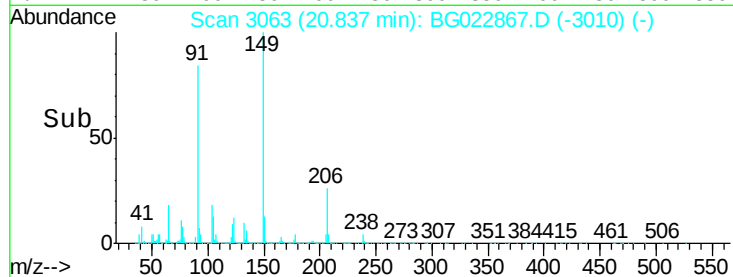
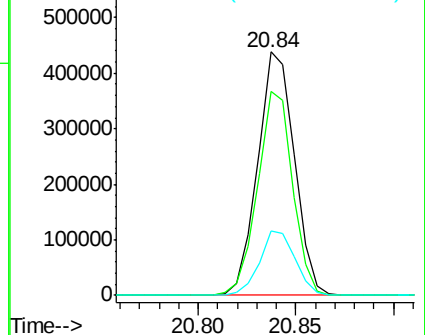
206 26.2 14.1 21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 24.77 ng/ul

RT: 21.75 min Scan# 3218

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

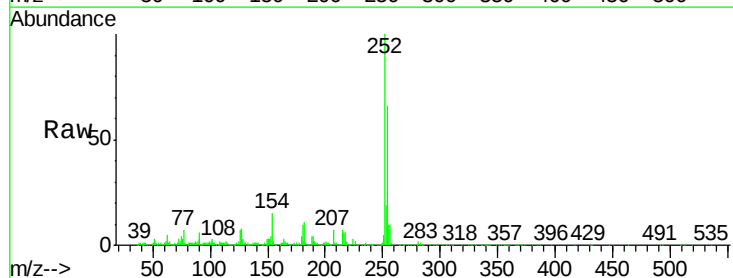
Tgt Ion:252 Resp: 553677

Ion Ratio Lower Upper

252 100

254 65.6 51.4 77.2

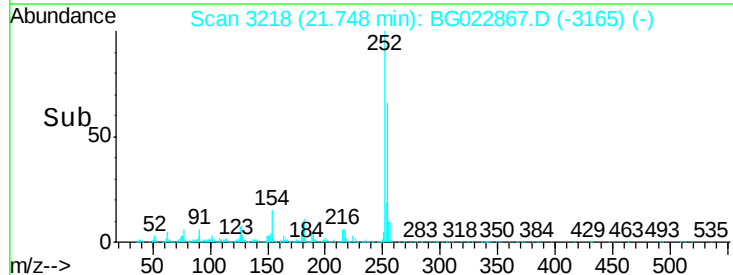
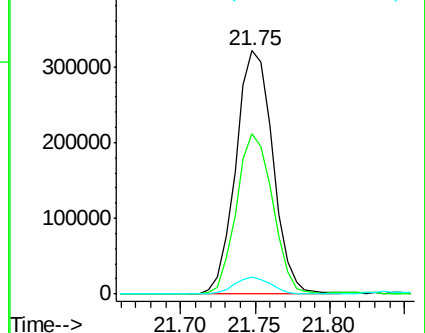
126 7.2 10.7 16.1#

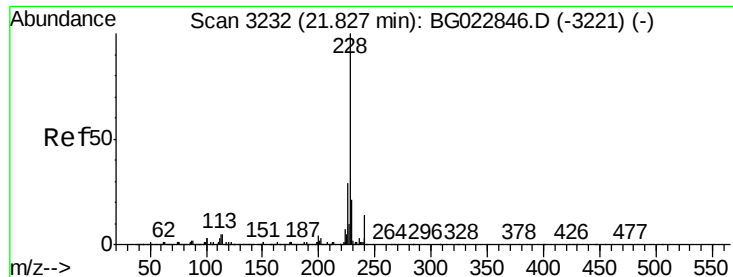


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 21.07 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. 0.02 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampled :

SSTD02022

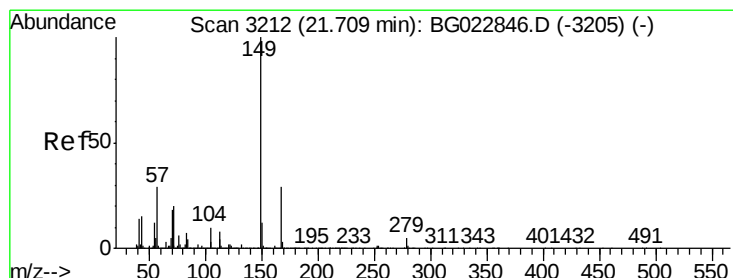
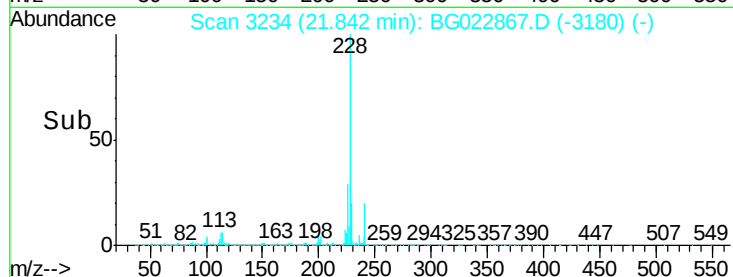
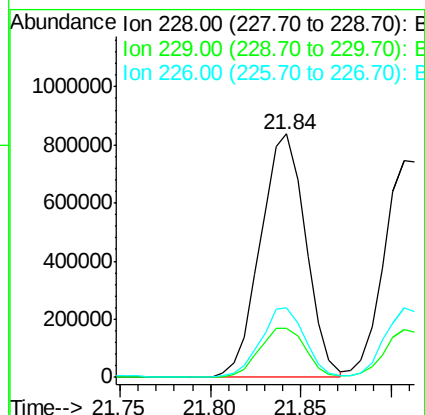
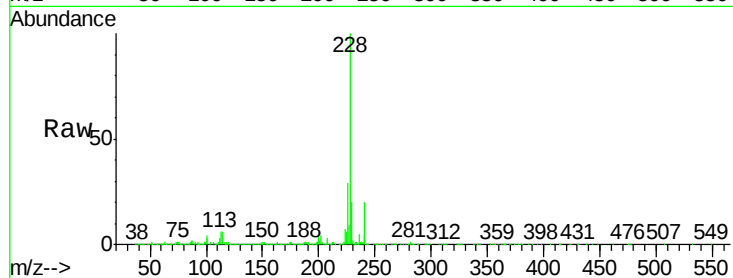
Tgt Ion:228 Resp: 1458324

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.2

226 28.8 22.8 34.2



#81

Bis(2-ethylhexyl)phthalate

Concen: 23.44 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

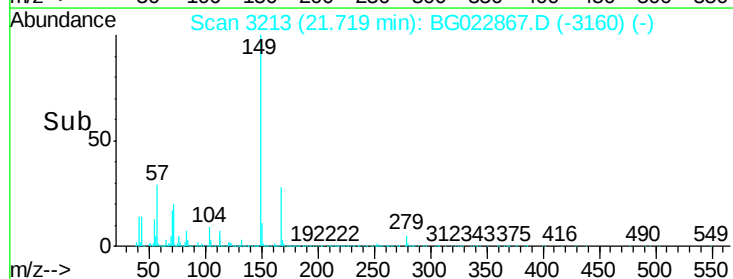
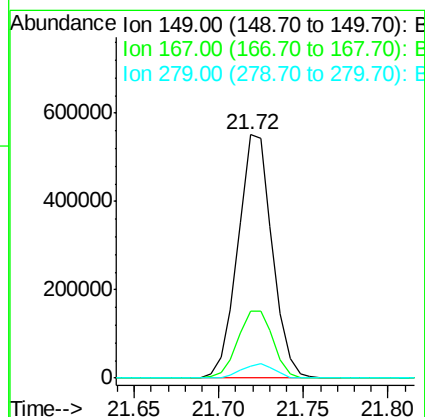
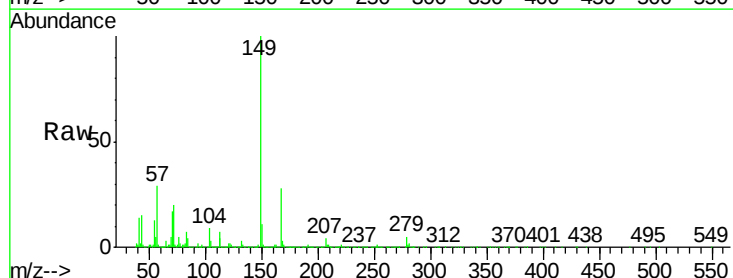
Tgt Ion:149 Resp: 774892

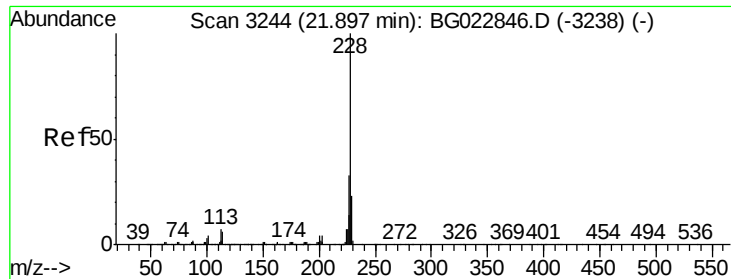
Ion Ratio Lower Upper

149 100

167 27.5 21.9 32.9

279 5.1 2.9 4.3#





#82

Chrysene

Concen: 21.24 ng/ul

RT: 21.91 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

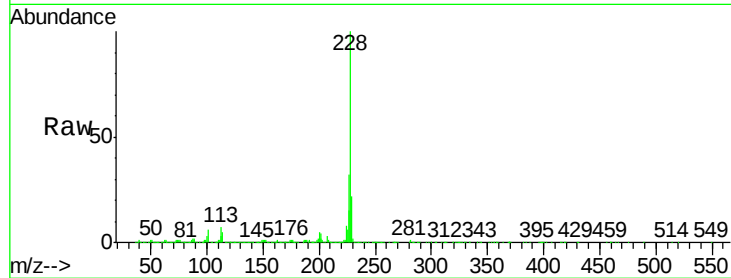
Tgt Ion:228 Resp: 1338392

Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.4

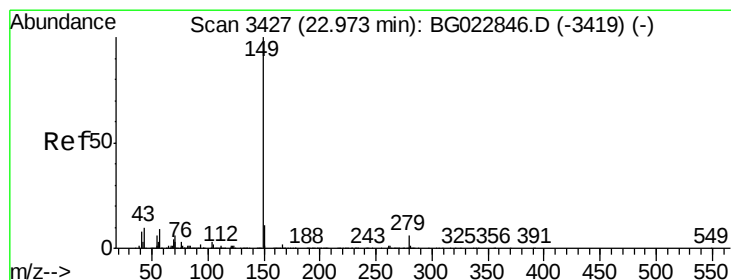
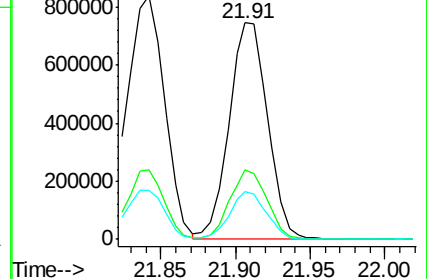
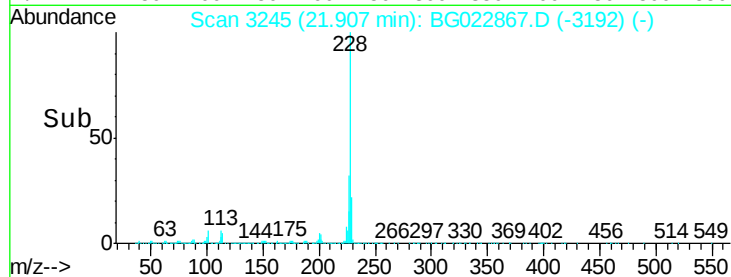
229 21.8 15.0 22.6



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



#84

Di-n-octyl phthalate

Concen: 24.38 ng/ul

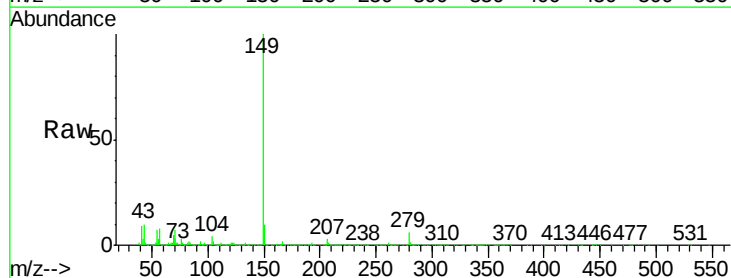
RT: 22.99 min Scan# 3429

Delta R.T. 0.02 min

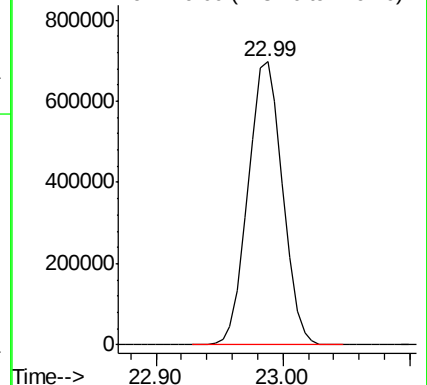
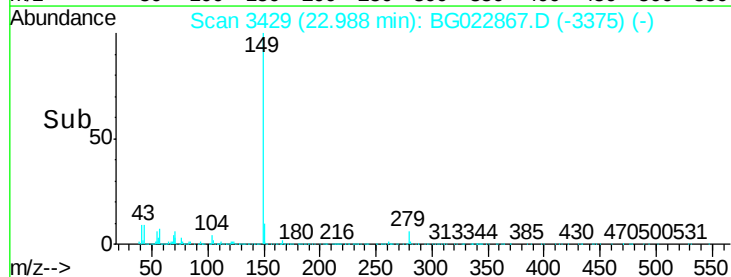
Lab File: BG022867.D

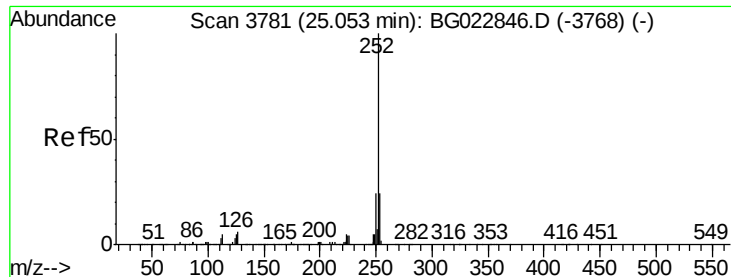
Acq: 6 Jul 2016 2:07

Tgt Ion:149 Resp: 1315380



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(a)pyrene

Concen: 19.99 ng/ul

RT: 25.08 min Scan# 3785

Delta R.T. 0.03 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

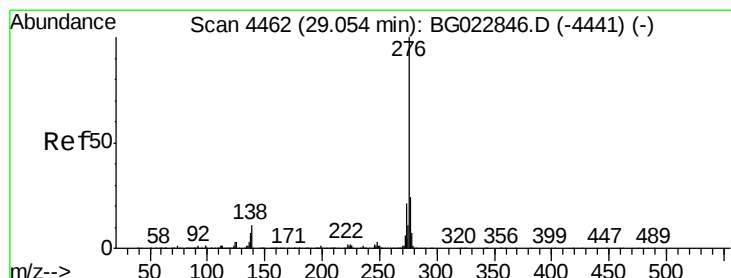
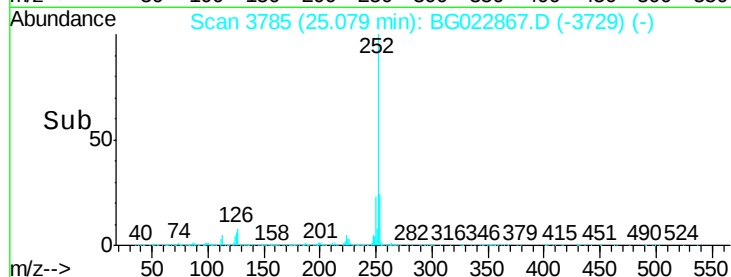
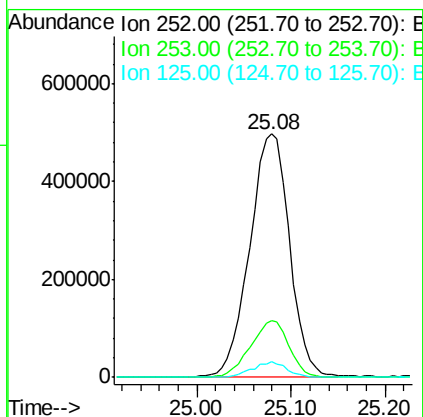
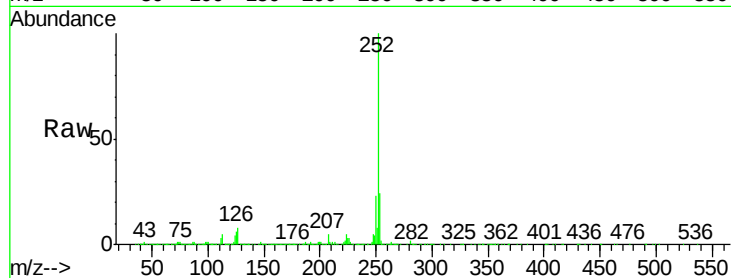
Tgt Ion:252 Resp: 1452793

Ion Ratio Lower Upper

252 100

253 23.5 19.0 28.4

125 6.2 12.0 18.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 21.12 ng/ul

RT: 29.09 min Scan# 4468

Delta R.T. 0.04 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

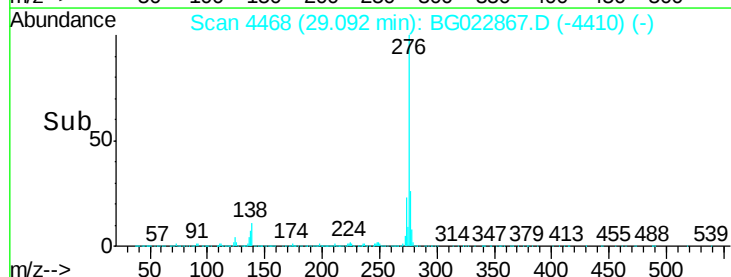
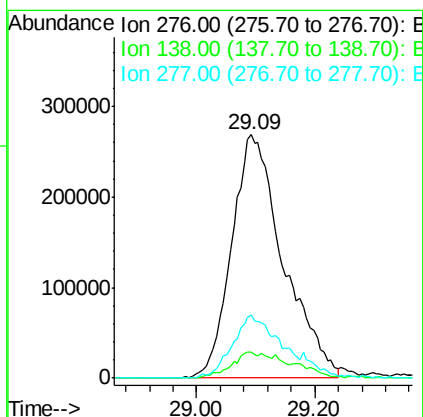
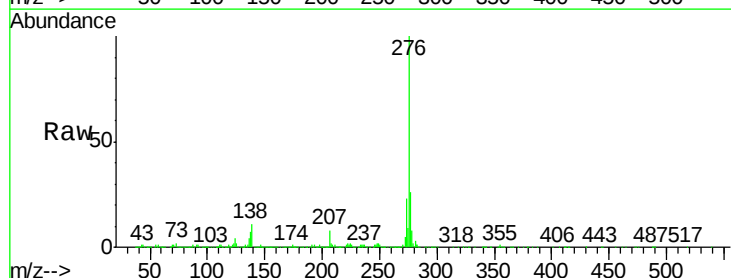
Tgt Ion:276 Resp: 1623138

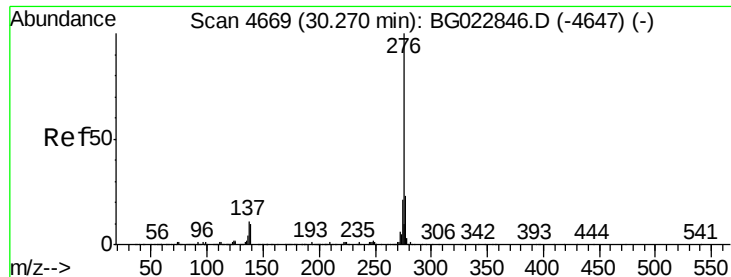
Ion Ratio Lower Upper

276 100

138 10.6 20.8 31.2#

277 25.8 17.6 26.4





#91

Benzo(g,h,i)perylene

Concen: 21.71 ng/ul

RT: 30.31 min Scan# 4675

Delta R.T. 0.04 min

Lab File: BG022867.D

Acq: 6 Jul 2016 2:07

Instrument :

BNA_G

ClientSampleId :

SSTD02022

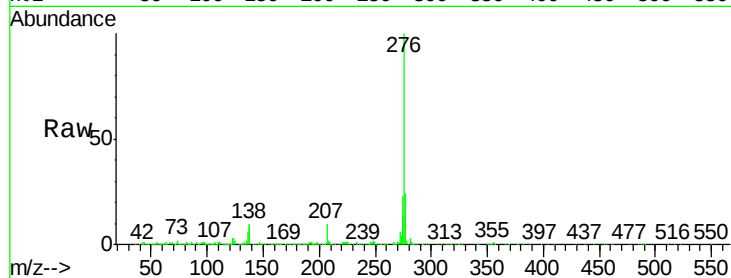
Tgt Ion:276 Resp: 1307980

Ion Ratio Lower Upper

276 100

138 10.1 22.1 33.1#

277 23.6 17.0 25.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

