

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
 Data File : BG022790.D
 Acq On : 2 Jul 2016 12:28
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SSTD02014

Quant Time: Jul 03 00:26:31 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 02 00:07:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	94641	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	426871	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	349705	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	934254	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1038819	20.00	ng/ul	0.00
83) Perylene-d12	25.22	264	1075451	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	17201	10.16	ng/uL	0.00
5) Phenol-d5	7.31	99	198629	19.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	115440	20.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	127356	19.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	148348	19.18	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	67078	19.71	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	80942	19.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	172551	20.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	161411	22.20	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	585907	20.62	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	685952	21.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	93844	21.04	ng/ul	0.00
57) Fluorene-d10	15.79	176	576049	21.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	108485	18.05	ng/ul	0.00
70) Anthracene-d10	17.65	188	882204	20.32	ng/ul	0.00
76) Pyrene-d10	19.93	212	1044747	21.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1027897	20.12	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	20832	10.50	ng/uL	97
4) Benzaldehyde	7.29	77	137650	21.75	ng/ul#	81
6) Phenol	7.33	94	204693	20.07	ng/ul#	60
8) Bis(2-Chloroethyl)ether	7.57	93	140676	20.18	ng/ul	89
10) 2-Chlorophenol	7.72	128	131868	19.50	ng/ul#	77
11) 2-Methylphenol	8.60	108	148416	19.38	ng/ul	85
12) 2,2'-oxybis(1-Chloropropan	8.69	45	155074	19.78	ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.96	70	145929	19.44	ng/ul#	87
16) 4-Methylphenol	8.93	108	162373	19.07	ng/ul	93
17) Hexachloroethane	9.25	117	60309	20.94	ng/ul#	73
20) Nitrobenzene	9.37	77	209861	20.05	ng/ul#	82
21) Isophorone	9.90	82	377084	20.20	ng/ul#	90
23) 2-Nitrophenol	10.09	139	82886	19.02	ng/ul#	34
24) 2,4-Dimethylphenol	10.14	107	201954	19.36	ng/ul	91
25) Bis(2-Chloroethoxy)methane	10.38	93	217656	19.76	ng/ul#	94
27) 2,4-Dichlorophenol	10.62	162	172938	20.04	ng/ul	95
28) Naphthalene	11.03	128	432345	19.81	ng/ul	99
30) 4-Chloroaniline	11.14	127	162635	21.90	ng/ul	96
31) Hexachlorobutadiene	11.31	225	134292	20.20	ng/ul	92
32) Caprolactam	11.89	113	53628	18.62	ng/ul#	80
33) 4-Chloro-3-methylphenol	12.26	107	221311	20.27	ng/ul#	85
34) 2-Methylnaphthalene	12.63	142	374515	20.74	ng/ul	97
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	261989	20.04	ng/ul#	97

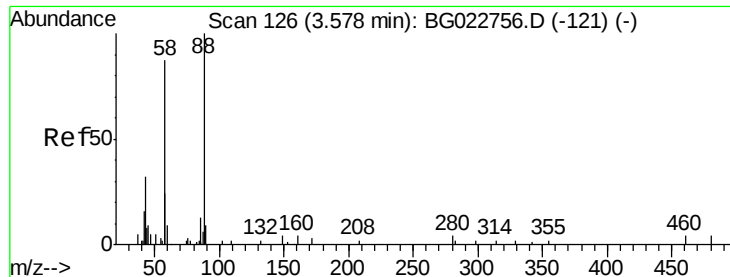
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Hexachlorocyclopentadiene	12.97	237	141326	17.90	ng/ul	96
38) 2,4,6-Trichlorophenol	13.23	196	181518	20.13	ng/ul	95
39) 2,4,5-Trichlorophenol	13.31	196	198020	20.87	ng/ul	99
40) 1,1'-Biphenyl	13.63	154	520675	19.58	ng/ul	97
41) 2-Chloronaphthalene	13.68	162	430365	19.99	ng/ul	98
42) 2-Nitroaniline	13.88	65	172627	20.73	ng/ul#	65
44) Dimethylphthalate	14.24	163	596498	20.56	ng/ul	99
45) 2,6-Dinitrotoluene	14.37	165	125398	19.97	ng/ul#	78
47) Acenaphthylene	14.53	152	683182	20.84	ng/ul	98
48) 3-Nitroaniline	14.70	138	109333	22.28	ng/ul#	54
49) Acenaphthene	14.87	153	454772	20.42	ng/ul	95
50) 2,4-Dinitrophenol	14.91	184	61186	17.53	ng/ul	90
53) Dibenzofuran	15.19	168	719970	20.92	ng/ul	93
54) 2,4-Dinitrotoluene	15.15	165	194137	21.38	ng/ul#	67
55) 2,3,4,6-Tetrachlorophenol	15.42	232	206673	21.40	ng/ul	90
56) Diethylphthalate	15.60	149	614701	20.85	ng/ul#	96
58) Fluorene	15.85	166	587909	21.27	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.84	204	338432	20.44	ng/ul	98
60) 4-Nitroaniline	15.86	138	124638	21.14	ng/ul#	34
63) 4,6-Dinitro-2-methylphenol	15.92	198	122005	19.16	ng/ul#	92
64) N-Nitrosodiphenylamine	16.05	169	537214	19.53	ng/ul	96
65) 4-Bromophenyl-phenylether	16.73	248	244023	19.53	ng/ul	97
66) Hexachlorobenzene	16.85	284	271102	20.49	ng/ul	91
67) Atrazine	16.99	200	248780	21.69	ng/ul	95
68) Pentachlorophenol	17.19	266	147500	19.39	ng/ul#	87
69) Phenanthrene	17.59	178	982640	20.56	ng/ul	96
71) Anthracene	17.69	178	1021640	20.81	ng/ul	98
72) Carbazole	17.96	167	829657	22.83	ng/ul	99
73) Di-n-butylphthalate	18.50	149	1011377	21.68	ng/ul#	96
74) Fluoranthene	19.60	202	1195346	24.01	ng/ul#	87
77) Pyrene	19.96	202	1206060	20.74	ng/ul#	85
78) Butylbenzylphthalate	20.84	149	467416	20.73	ng/ul#	87
79) 3,3'-Dichlorobenzidine	21.74	252	455641	23.16	ng/ul#	96
80) Benzo(a)anthracene	21.83	228	1287110	21.12	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.72	149	642528	22.08	ng/ul#	97
82) Chrysene	21.90	228	1151804	20.77	ng/ul	97
84) Di-n-octyl phthalate	22.98	149	1100253	23.21	ng/ul	100
85) Benzo(b)fluoranthene	24.14	252	1325468	19.72	ng/ul#	92
86) Benzo(k)fluoranthene	24.21	252	1279944	20.27	ng/ul#	86
88) Benzo(a)pyrene	25.06	252	1267349	19.85	ng/ul#	90
90) Dibenzo(a,h)anthracene	29.14	278	1159802	20.78	ng/ul#	88
91) Benzo(g,h,i)perylene	30.27	276	1188581	22.46	ng/ul#	78

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



#2

1,4-Dioxane

Concen: 10.50 ng/uL

RT: 3.58 min Scan# 126

Delta R.T. 0.00 min

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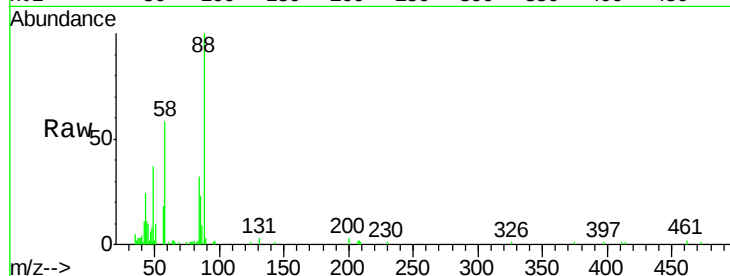
Tot Ion: 88 Resp: 20832

Ion Ratio Lower Upper

88 100

43 24.1 16.6 24.8

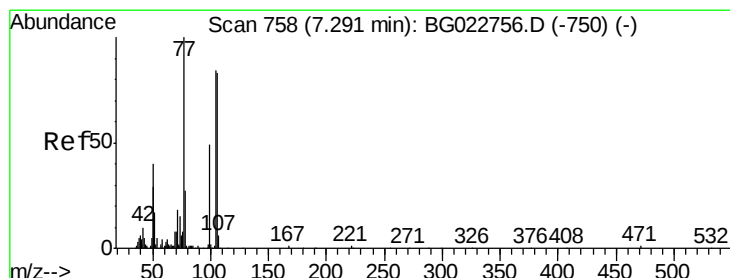
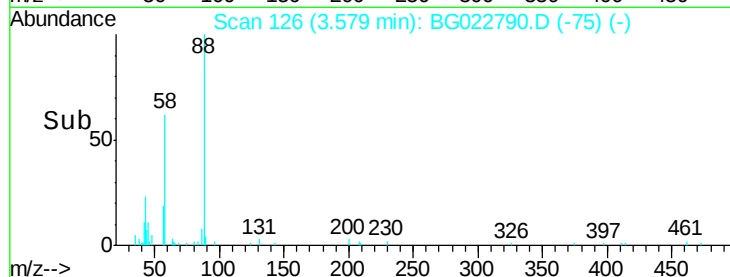
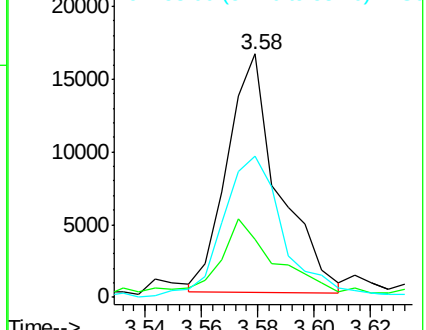
58 58.2 47.2 70.8



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: 21.75 ng/uL

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

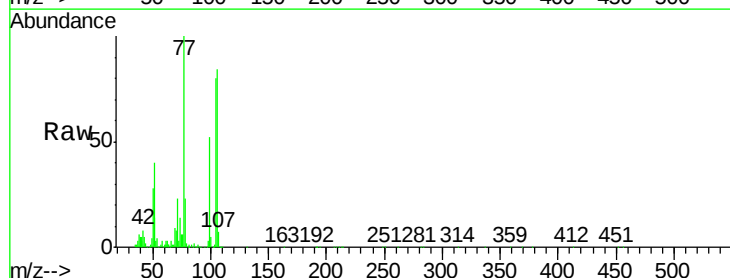
Tgt Ion: 77 Resp: 137650

Ion Ratio Lower Upper

77 100

105 79.7 83.8 125.8#

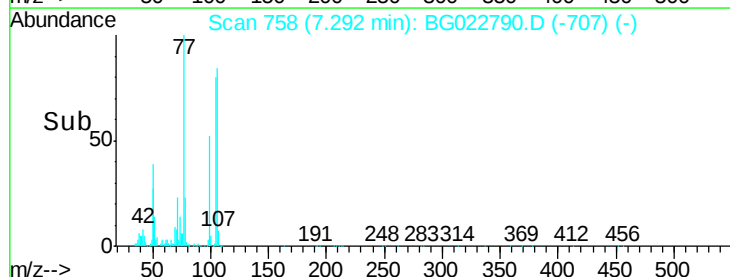
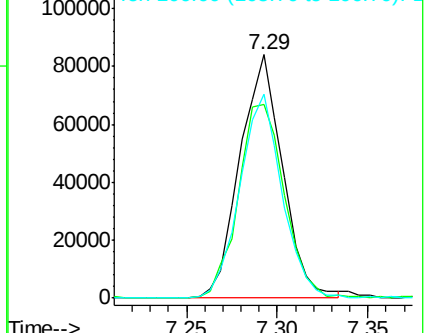
106 83.6 77.9 116.9

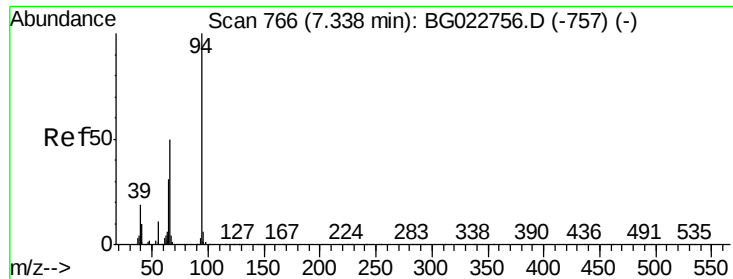


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 20.07 ng/ul

RT: 7.33 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

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SSTD02014

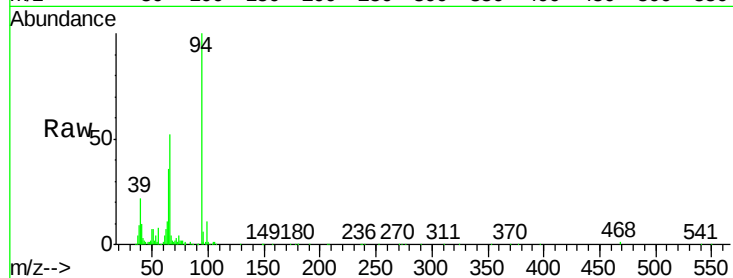
Tot Ion: 94 Resp: 204693

Ion Ratio Lower Upper

94 100

65 36.5 16.8 25.2#

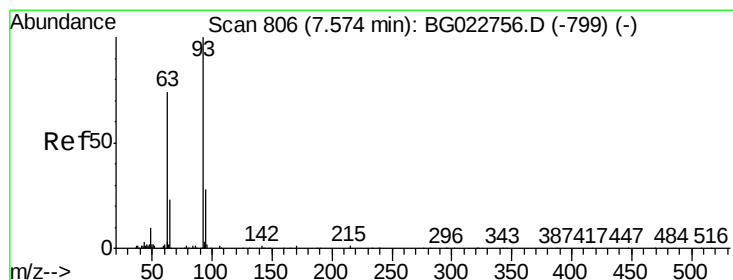
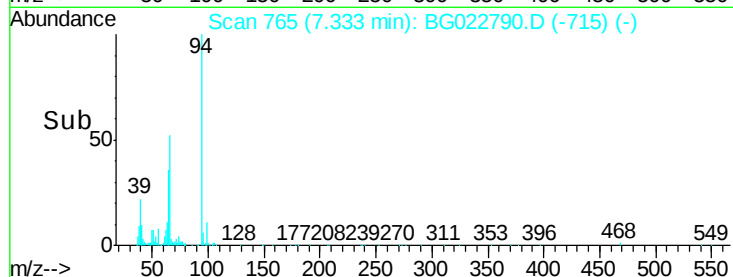
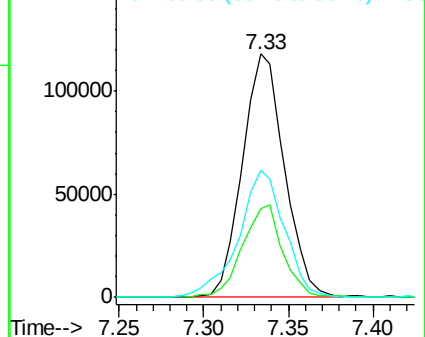
66 52.2 22.6 33.8#



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: 20.18 ng/ul

RT: 7.57 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

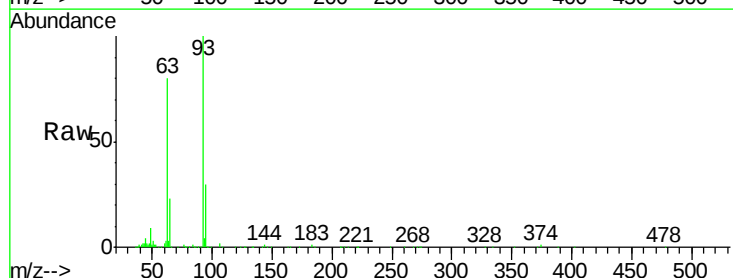
Tgt Ion: 93 Resp: 140676

Ion Ratio Lower Upper

93 100

63 79.9 56.0 84.0

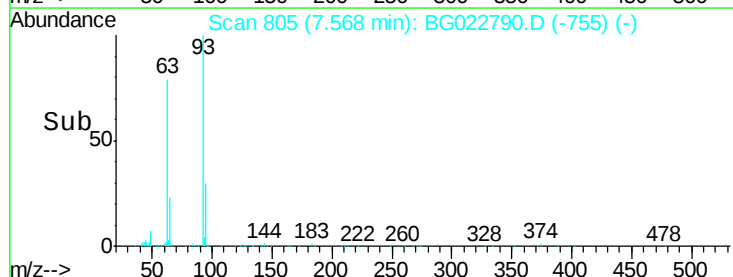
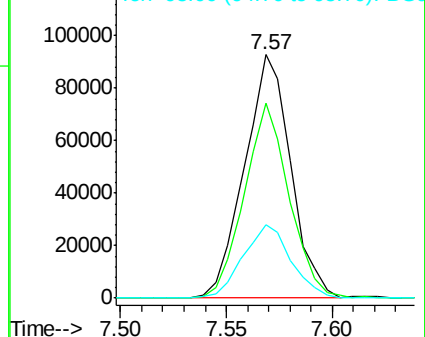
95 30.0 27.7 41.5

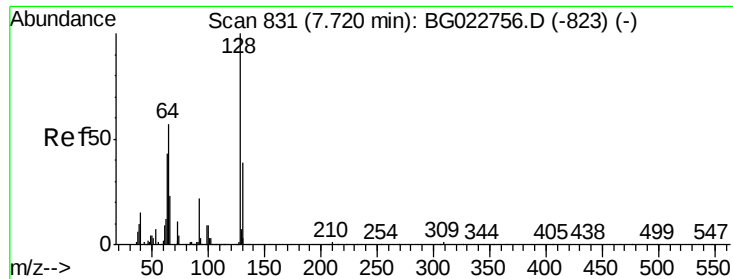


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

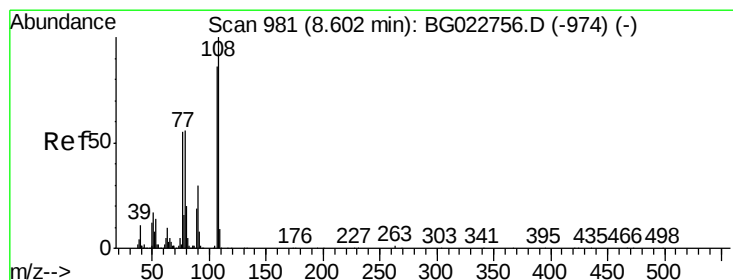
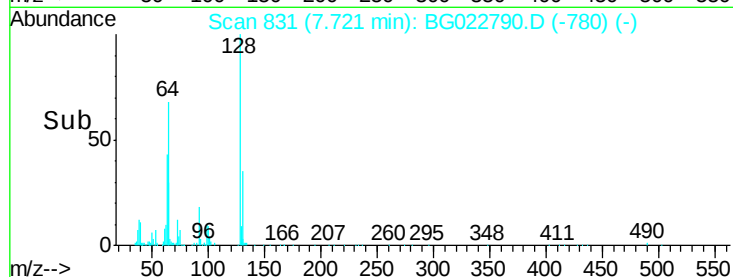
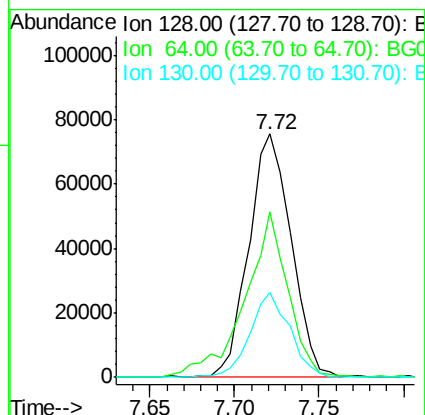
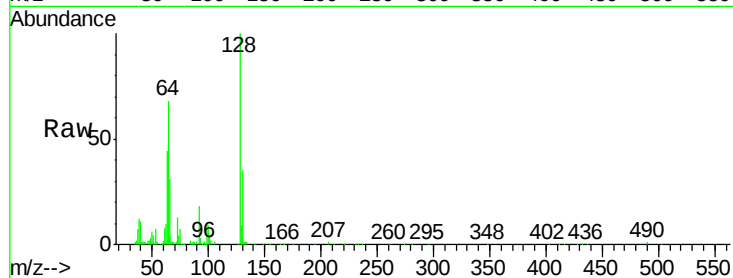




#10
2-Chlorophenol
Concen: 19.50 ng/ul
RT: 7.72 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

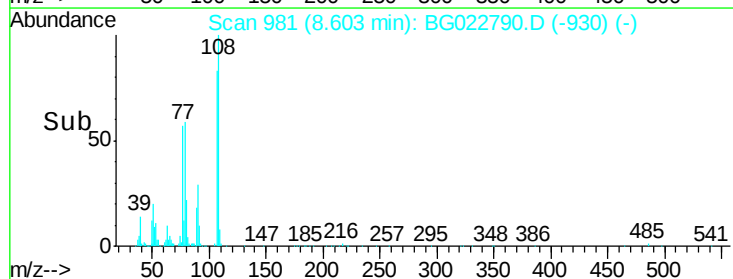
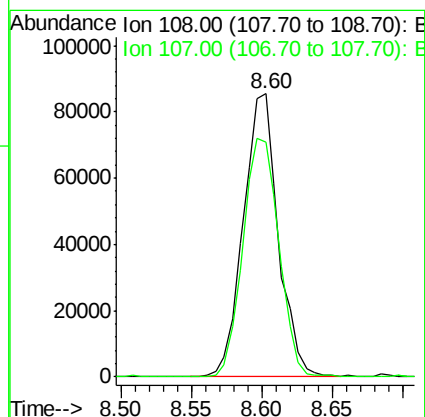
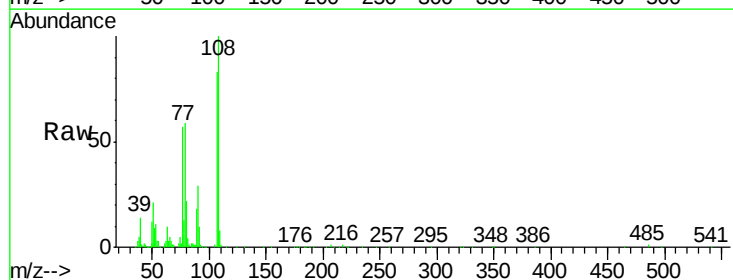
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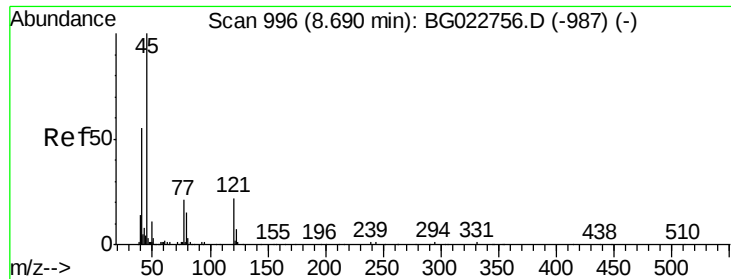
Tot Ion:128 Resp: 131868
Ion Ratio Lower Upper
128 100
64 68.0 34.2 51.4#
130 34.7 27.0 40.4



#11
2-Methylphenol
Concen: 19.38 ng/ul
RT: 8.60 min Scan# 981
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:108 Resp: 148416
Ion Ratio Lower Upper
108 100
107 83.0 78.6 117.8

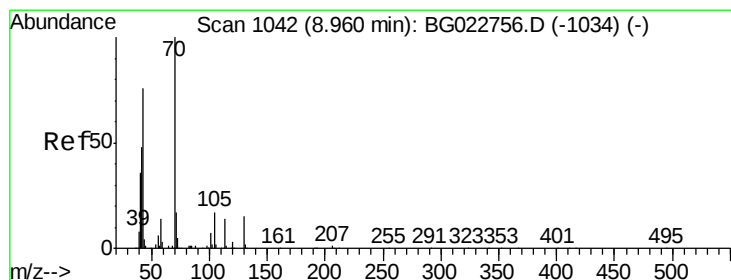
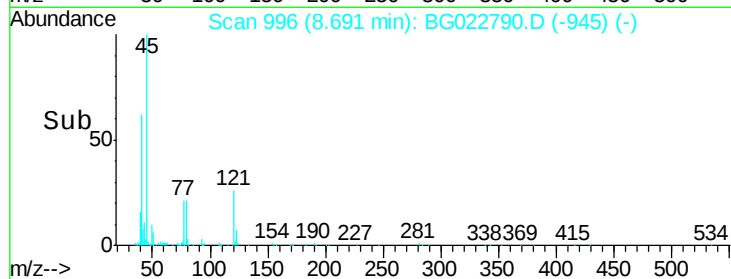
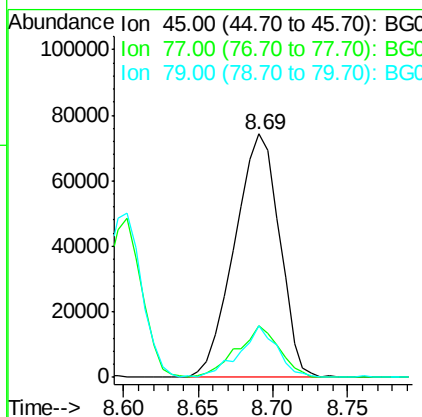
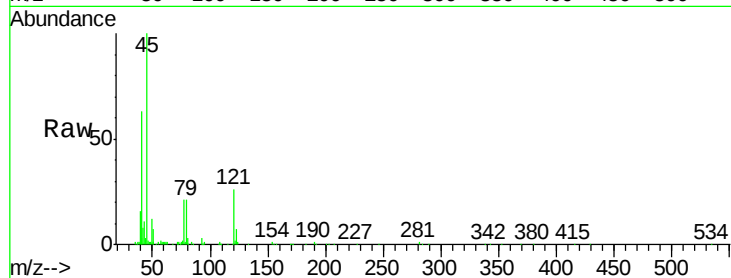




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 19.78 ng/ul
RT: 8.69 min Scan# 996
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

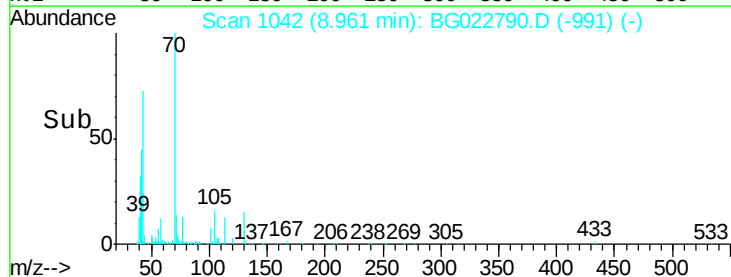
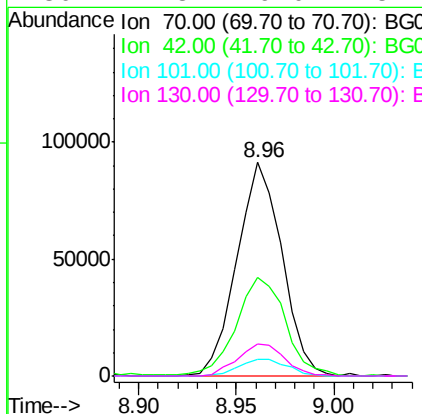
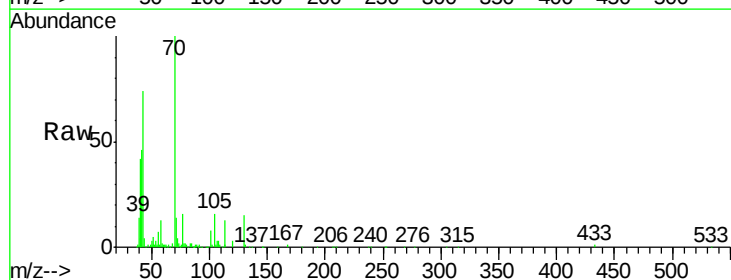
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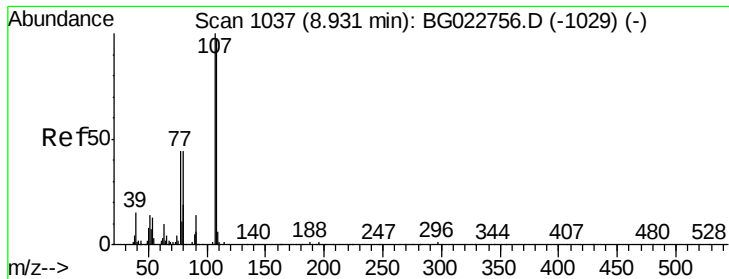
Tot Ion: 45 Resp: 155074
Ion Ratio Lower Upper
45 100
77 21.3 13.4 20.2#
79 21.1 10.2 15.4#



#15
N-Nitroso-di-n-propylamine
Concen: 19.44 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion: 70 Resp: 145929
Ion Ratio Lower Upper
70 100
42 46.3 31.4 47.2
101 7.6 8.6 13.0#
130 14.8 19.0 28.4#

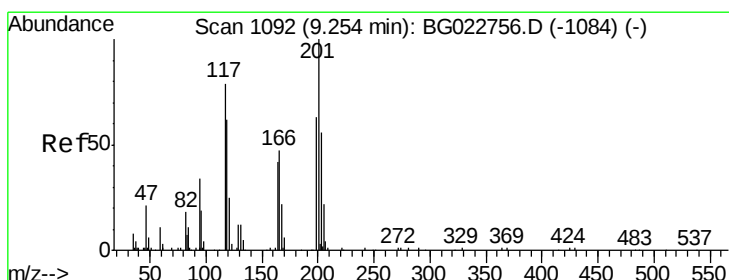
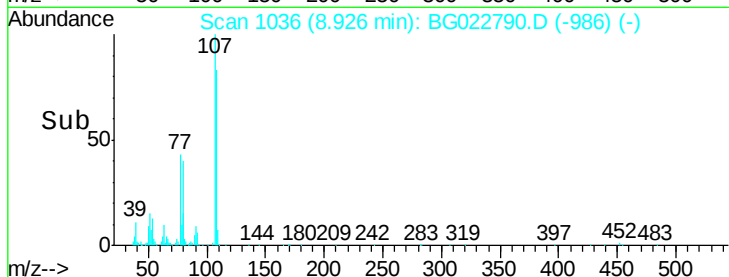
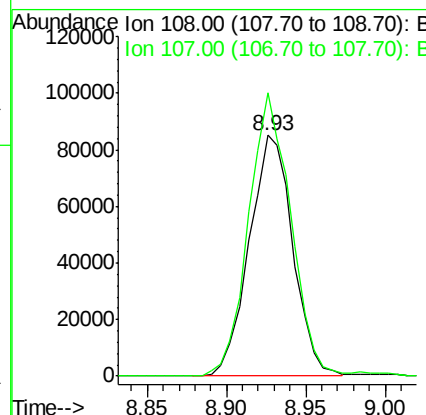
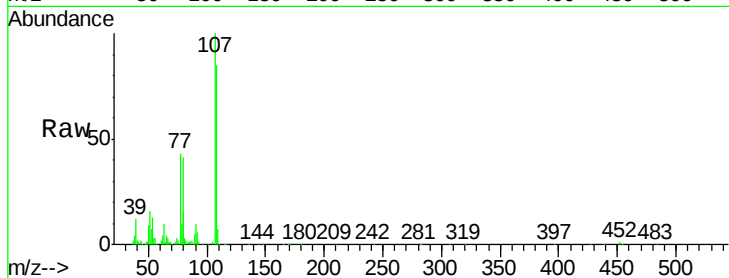




#16
4-Methylphenol
Concen: 19.07 ng/ul
RT: 8.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

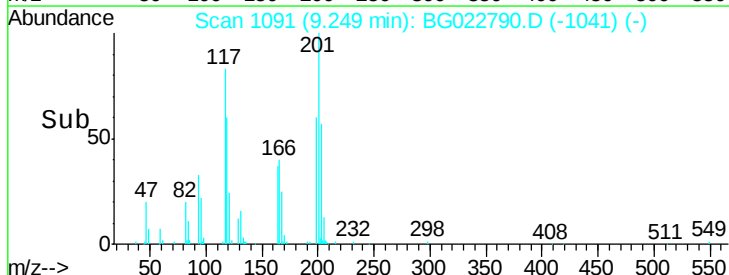
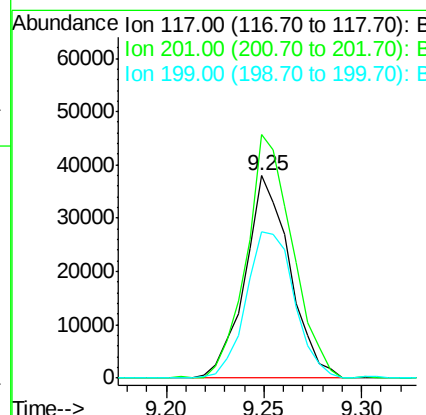
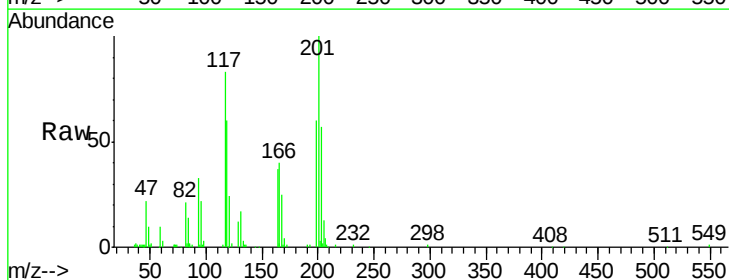
Instrument :
BNA_G
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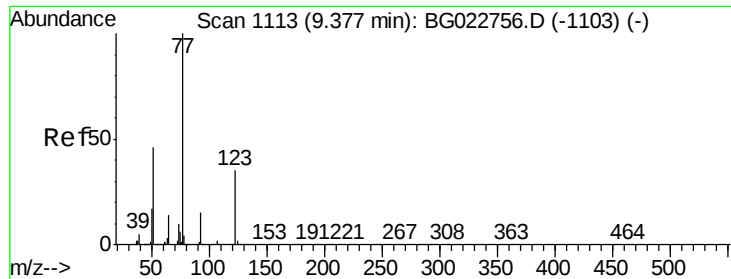
Tot Ion:108 Resp: 162373
Ion Ratio Lower Upper
108 100
107 117.4 88.3 132.5



#17
Hexachloroethane
Concen: 20.94 ng/ul
RT: 9.25 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:117 Resp: 60309
Ion Ratio Lower Upper
117 100
201 124.4 76.8 115.2#
199 72.1 43.5 65.3#

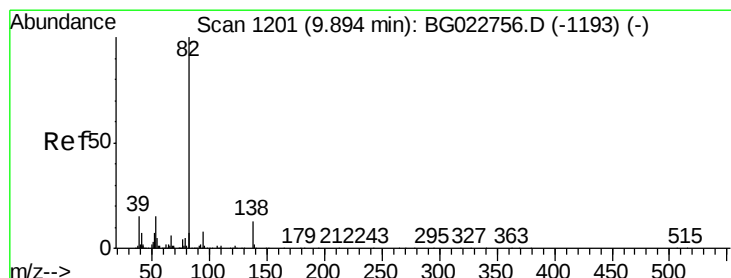
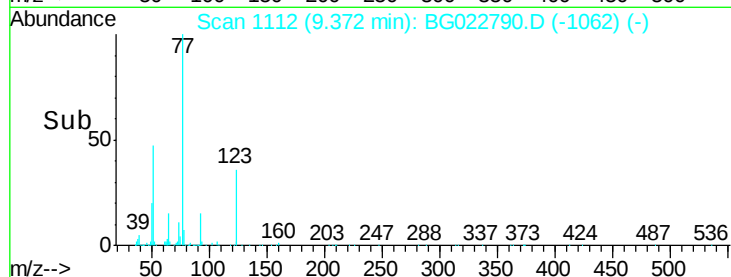
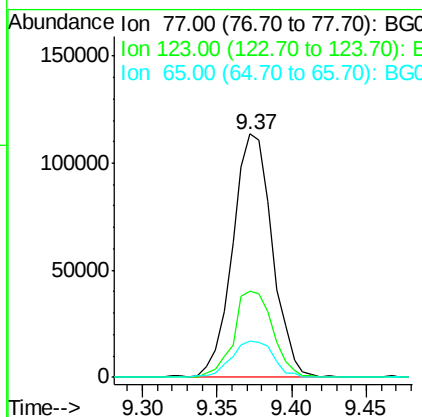
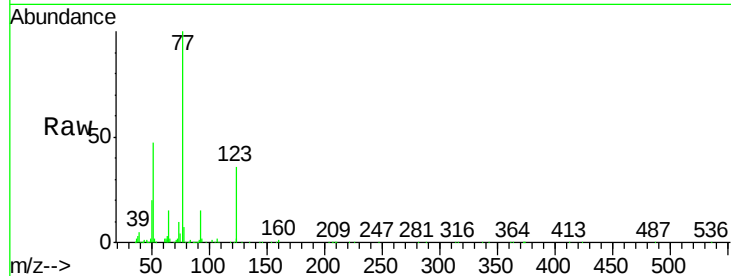




#20
Nitrobenzene
Concen: 20.05 ng/ul
RT: 9.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

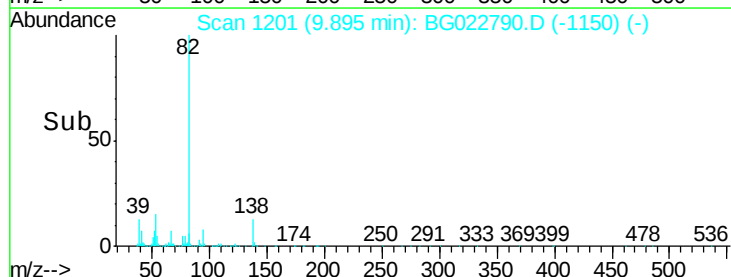
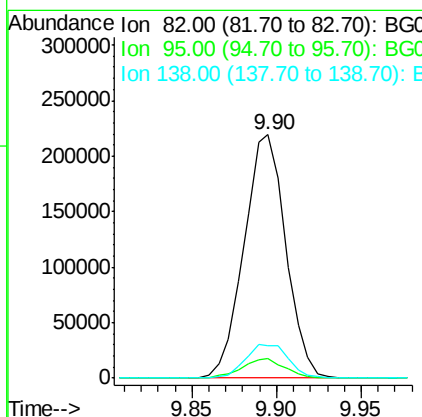
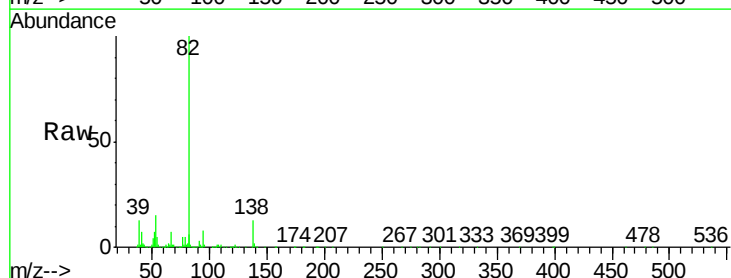
Instrument :
BNA_G
ClientSampled :
SSTD02014

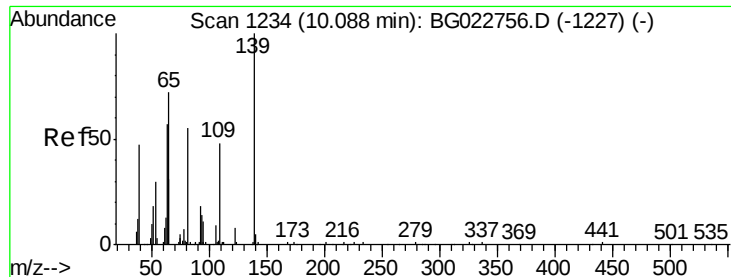
Tot Ion	Ratio	Lower	Upper
77	100		
123	35.5	39.5	59.3#
65	14.9	9.0	13.4#



#21
Isophorone
Concen: 20.20 ng/ul
RT: 9.90 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.1	7.7#
138	13.3	15.0	22.6#

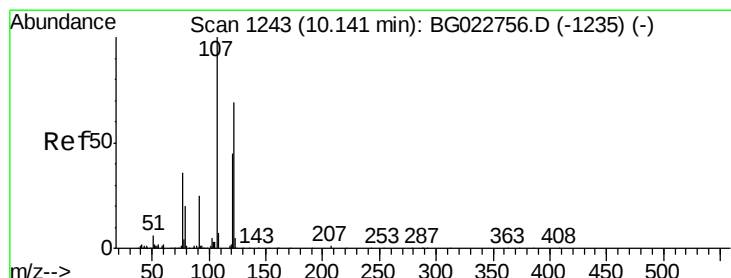
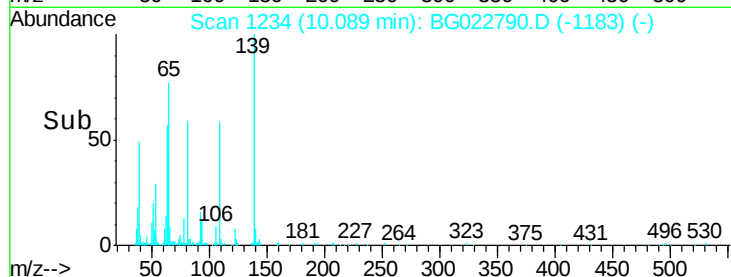
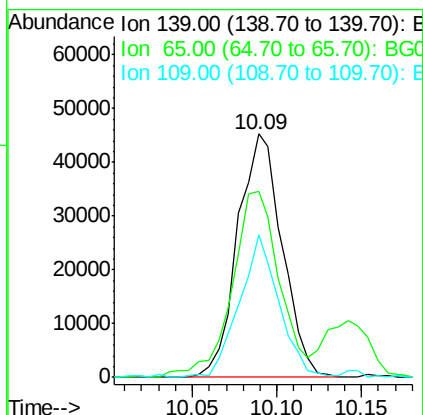
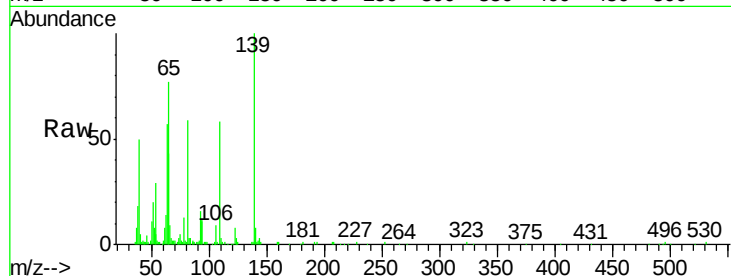




#23
2-Nitrophenol
Concen: 19.02 ng/ul
RT: 10.09 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

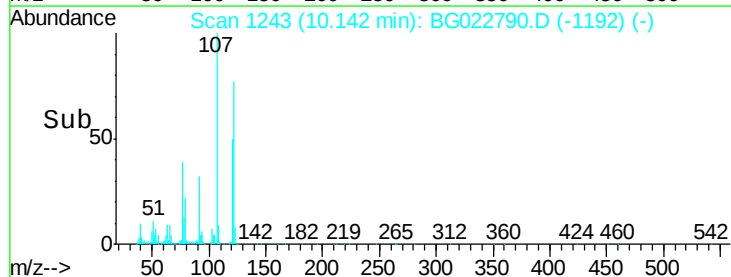
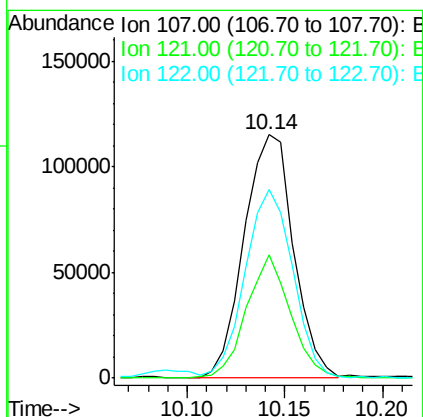
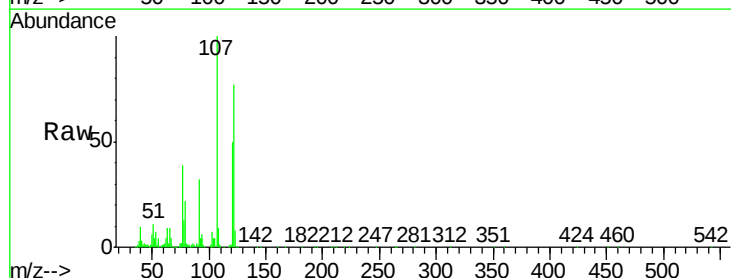
Instrument :
BNA_G
ClientSampleId :
SSTD02014

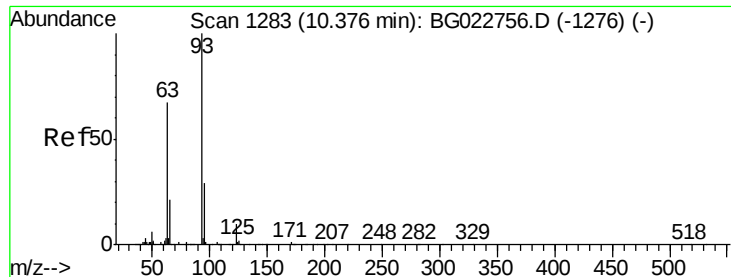
Tot Ion:139 Resp: 82886
Ion Ratio Lower Upper
139 100
65 76.6 31.8 47.8#
109 58.3 17.1 25.7#



#24
2,4-Dimethylphenol
Concen: 19.36 ng/ul
RT: 10.14 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:107 Resp: 201954
Ion Ratio Lower Upper
107 100
121 50.4 43.7 65.5
122 77.4 70.3 105.5





#25

Bis(2-Chloroethoxy)methane

Concen: 19.76 ng/ul

RT: 10.38 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

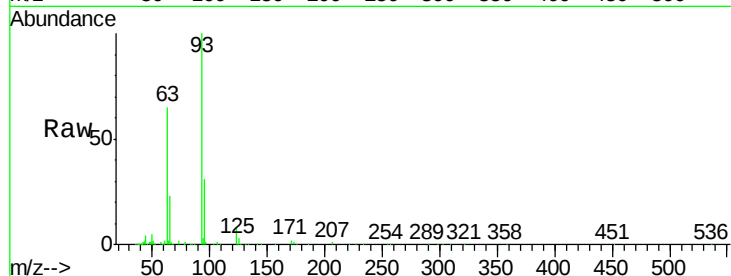
Tot Ion: 93 Resp: 217656

Ion Ratio Lower Upper

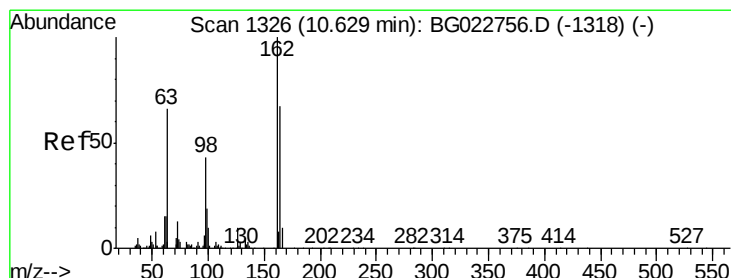
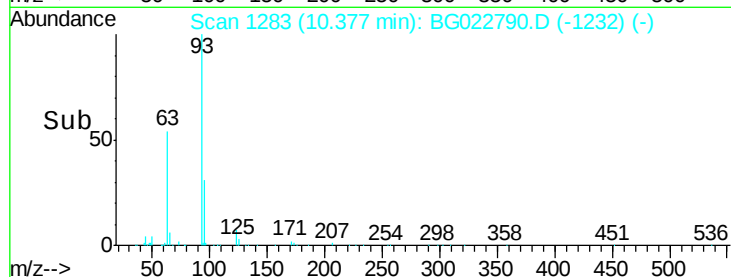
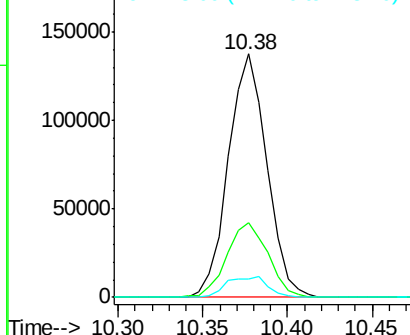
93 100

95 30.7 26.0 39.0

123 7.6 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): BGC



#27

2,4-Dichlorophenol

Concen: 20.04 ng/ul

RT: 10.62 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

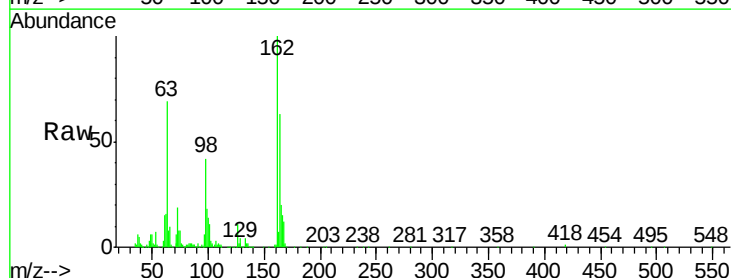
Tgt Ion: 162 Resp: 172938

Ion Ratio Lower Upper

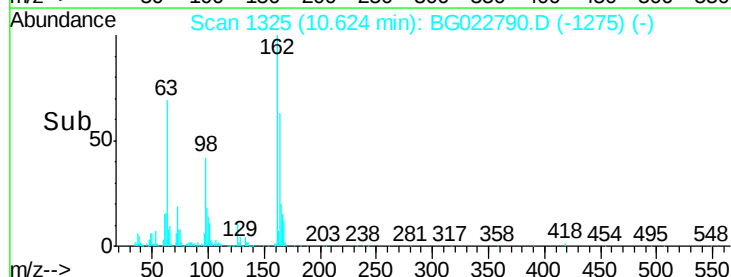
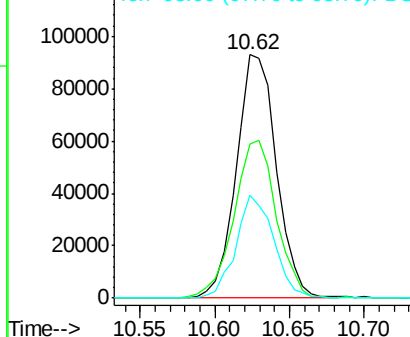
162 100

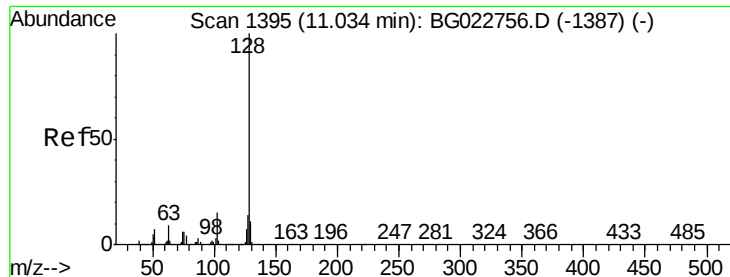
164 63.5 51.6 77.4

98 42.1 28.3 42.5



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





#28

Naphthalene

Concen: 19.81 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

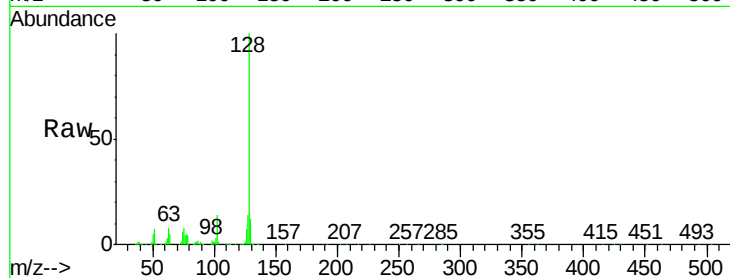
Tot Ion:128 Resp: 432345

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.2

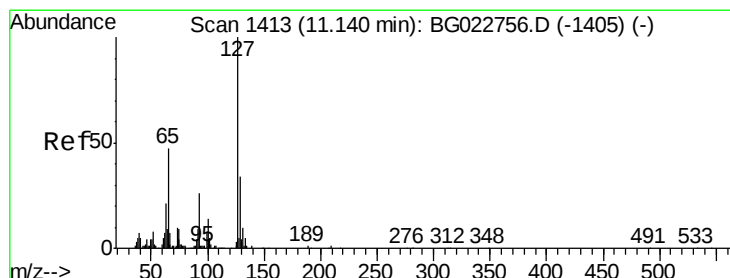
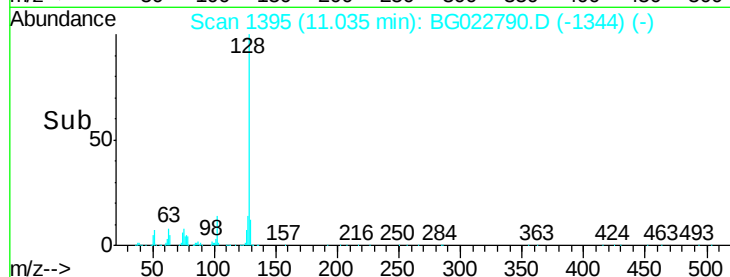
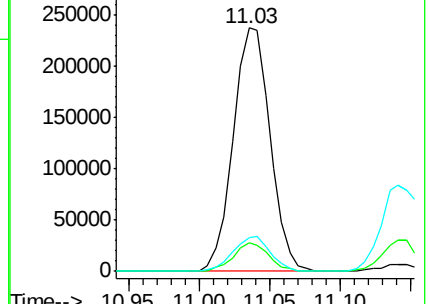
127 13.6 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 21.90 ng/ul

RT: 11.14 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BG022790.D

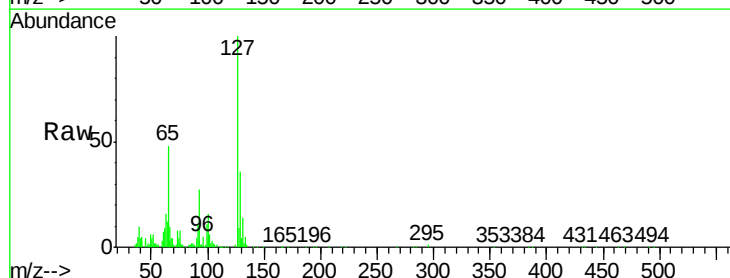
Acq: 2 Jul 2016 12:28

Tgt Ion:127 Resp: 162635

Ion Ratio Lower Upper

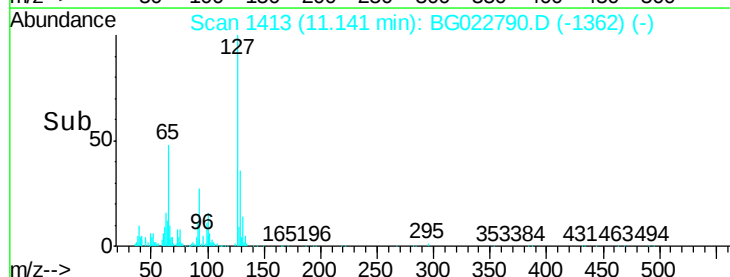
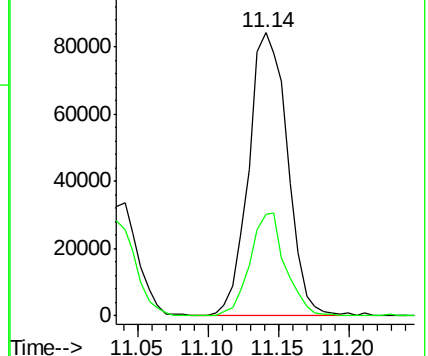
127 100

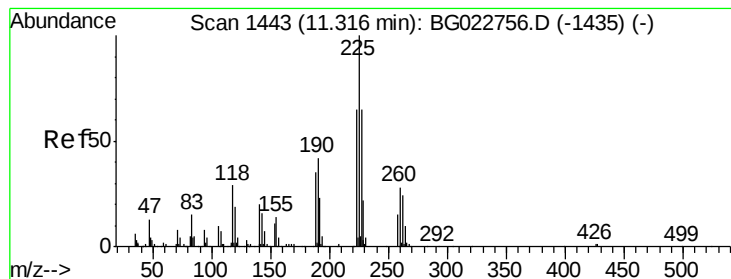
129 35.9 26.9 40.3



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#31

Hexachlorobutadiene

Concen: 20.20 ng/ul

RT: 11.31 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

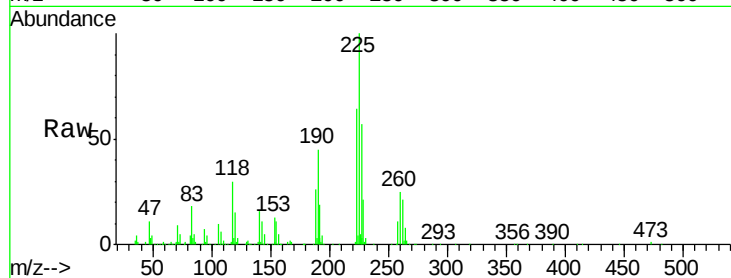
Tot Ion:225 Resp: 134292

Ion Ratio Lower Upper

225 100

223 63.7 54.7 82.1

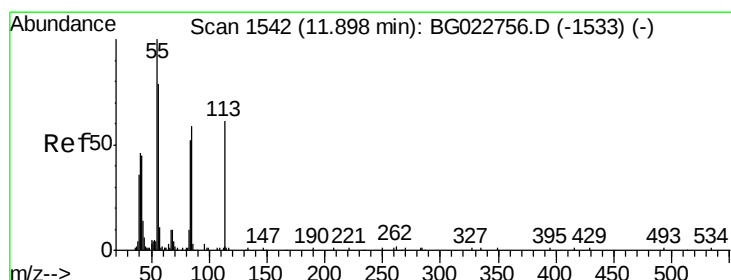
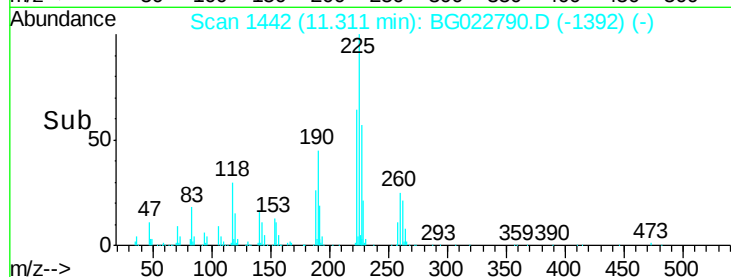
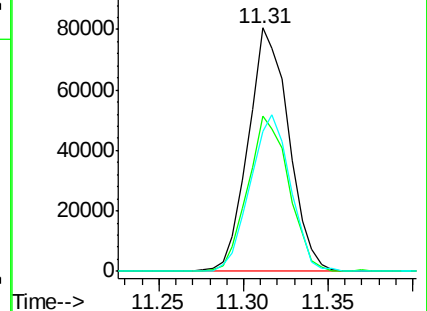
227 57.5 52.2 78.4



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#32

Caprolactam

Concen: 18.62 ng/ul

RT: 11.89 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

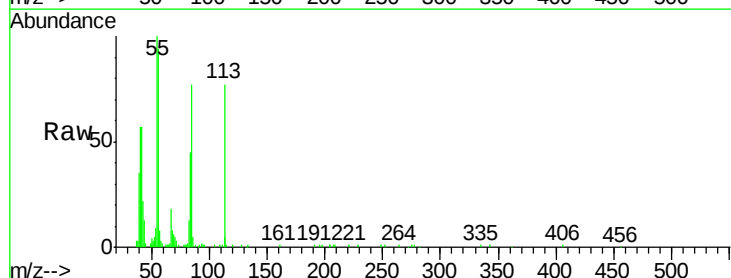
Tgt Ion:113 Resp: 53628

Ion Ratio Lower Upper

113 100

55 129.6 99.6 149.4

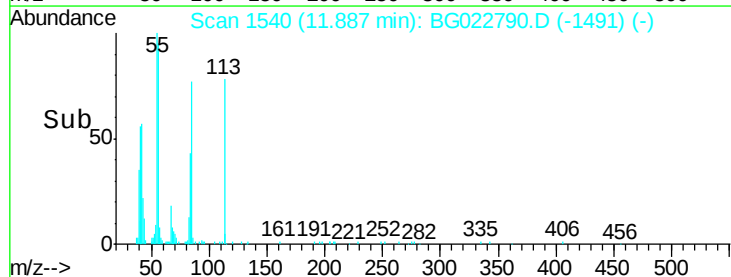
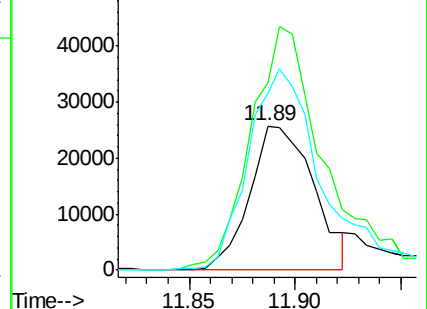
56 122.3 66.4 99.6#

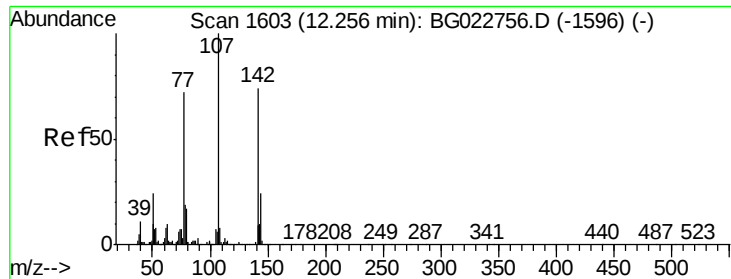


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

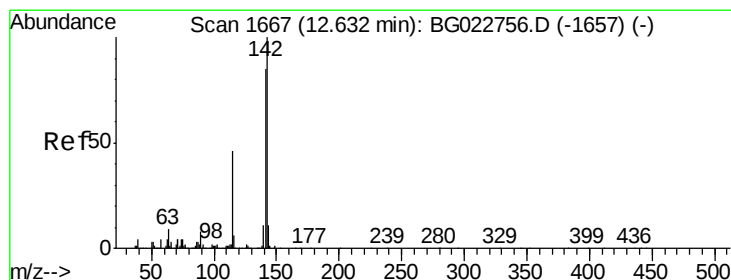
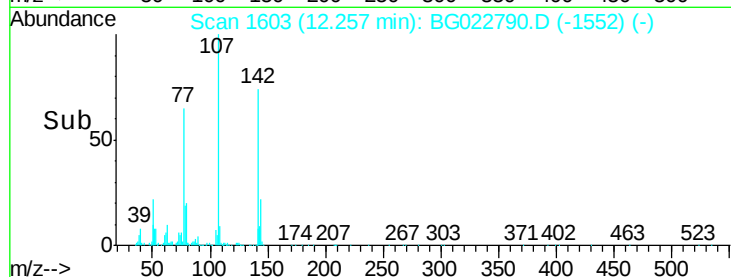
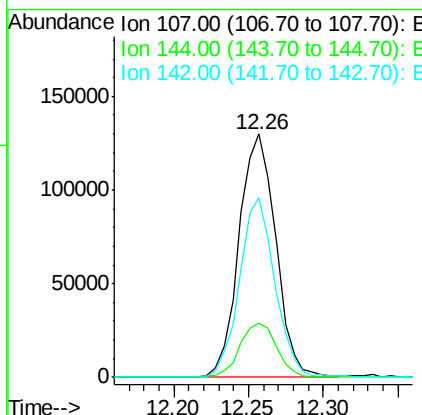
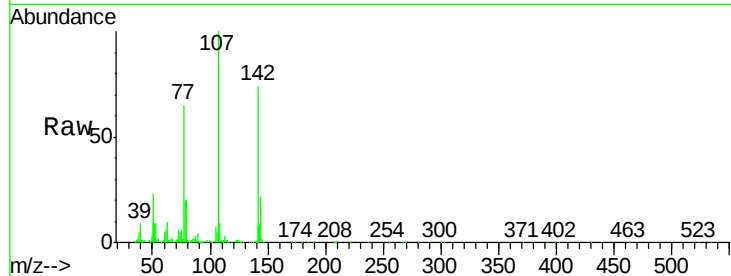




#33
 4-Chloro-3-methylphenol
 Concen: 20.27 ng/ul
 RT: 12.26 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

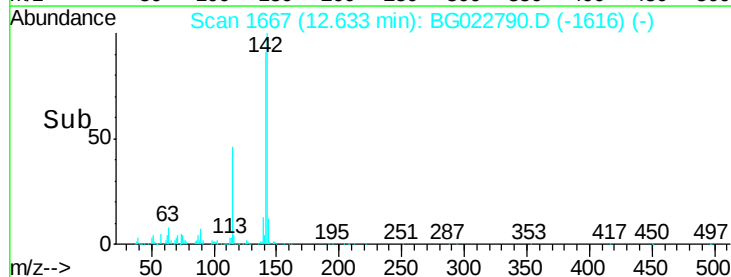
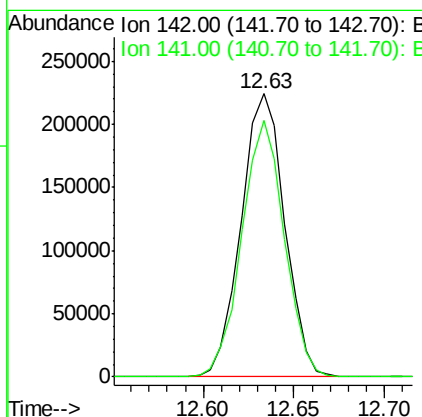
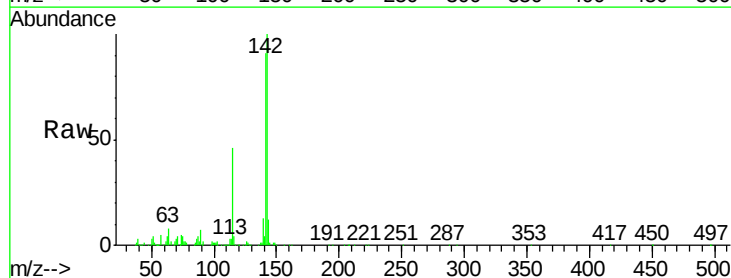
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

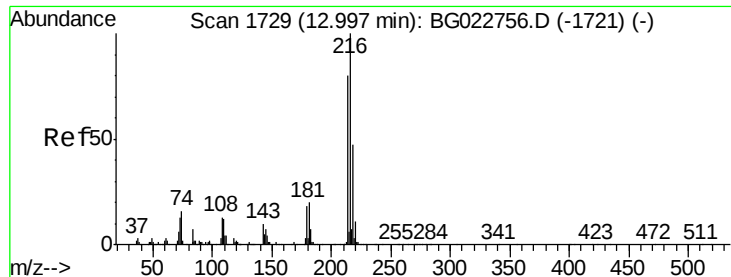
Tot Ion:107 Resp: 221311
 Ion Ratio Lower Upper
 107 100
 144 22.4 22.7 34.1#
 142 73.8 71.6 107.4



#34
 2-Methylnaphthalene
 Concen: 20.74 ng/ul
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion:142 Resp: 374515
 Ion Ratio Lower Upper
 142 100
 141 90.7 75.2 112.8

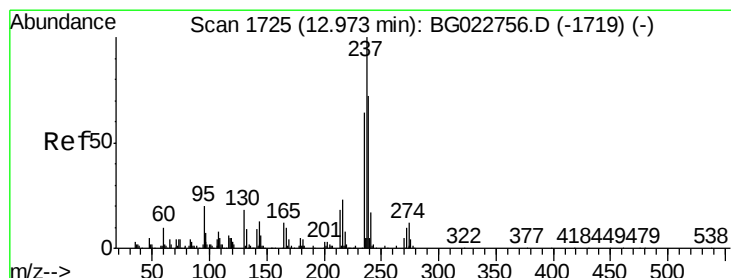
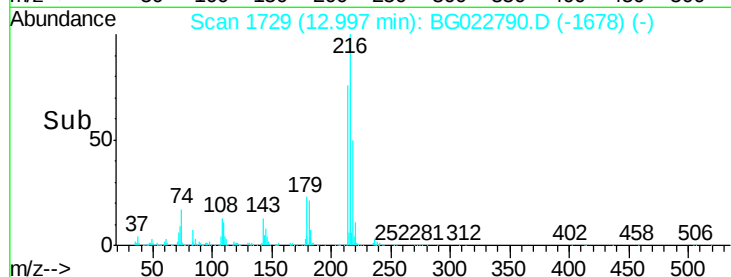
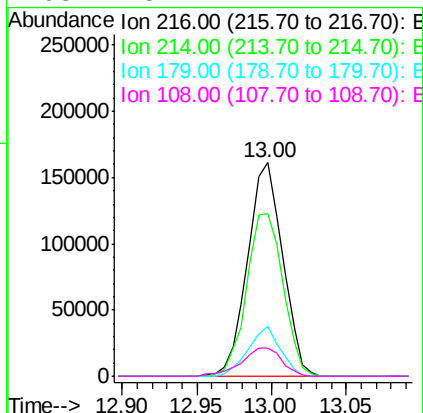
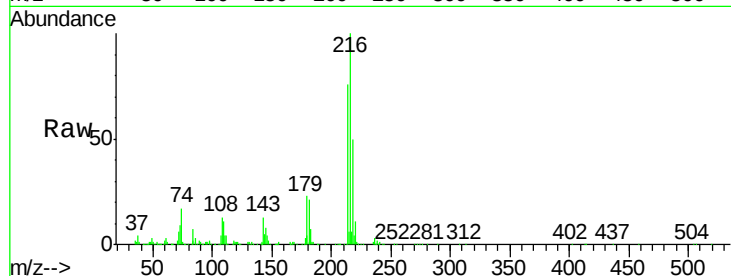




#36
1,2,4,5-Tetrachlorobenzene
Concen: 20.04 ng/ul
RT: 13.00 min Scan# 1729
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

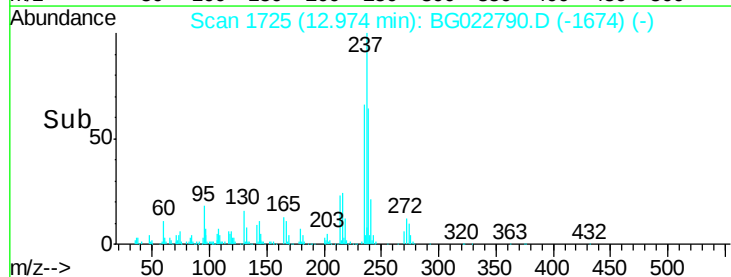
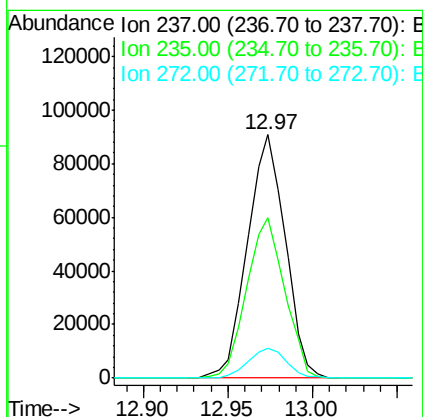
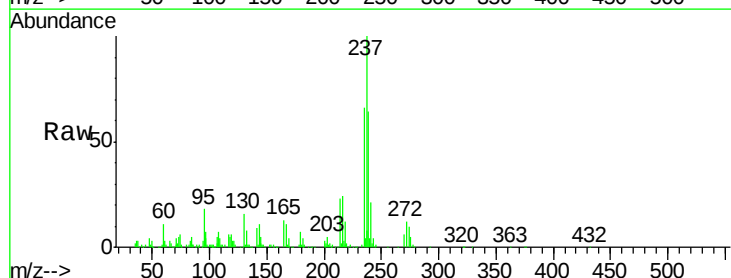
Instrument :
BNA_G
ClientSampleId :
SSTD02014

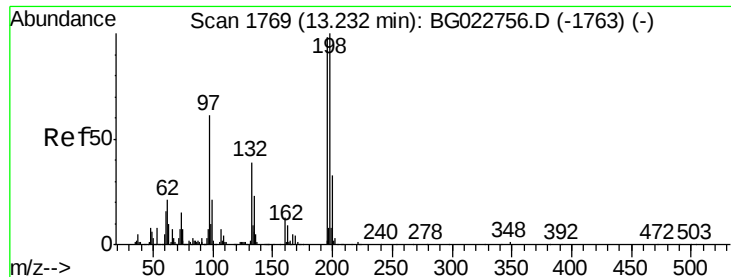
Tot Ion	Ratio	Lower	Upper
216	100		
214	75.8	61.7	92.5
179	23.2	17.0	25.4
108	13.1	14.2	21.2



#37
Hexachlorocyclopentadiene
Concen: 17.90 ng/ul
RT: 12.97 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.7	49.6	74.4
272	12.1	9.3	13.9

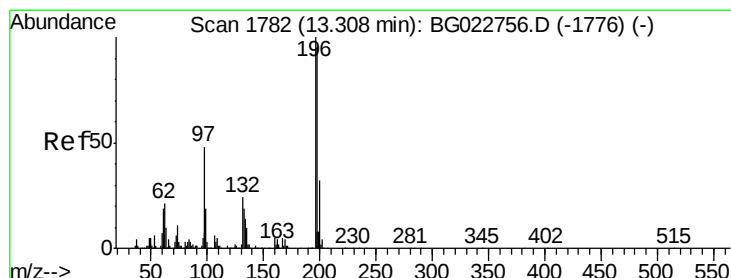
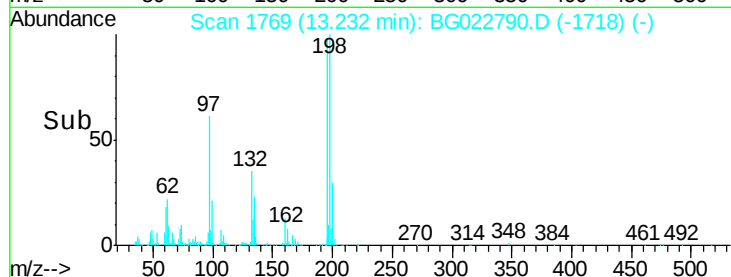
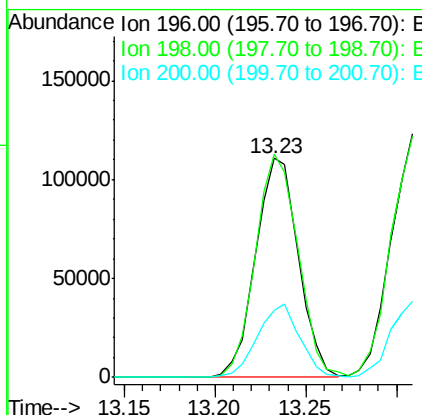
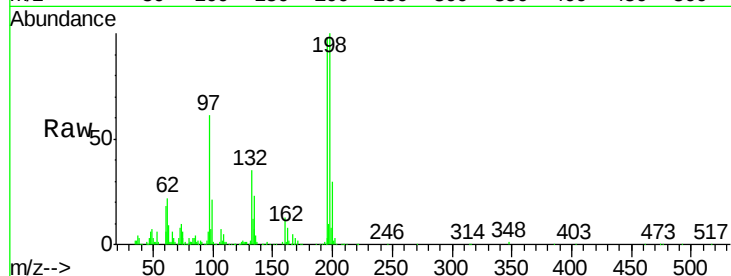




#38
 2,4,6-Trichlorophenol
 Concen: 20.13 ng/ul
 RT: 13.23 min Scan# 1769
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

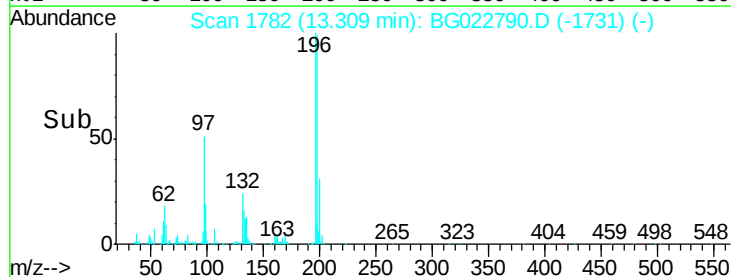
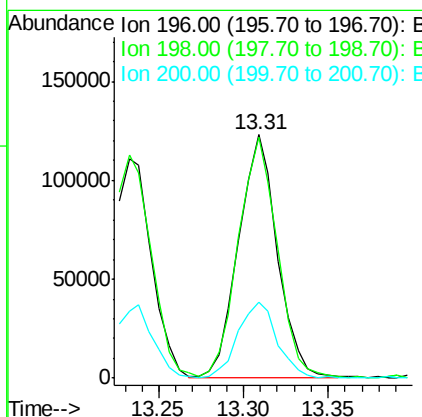
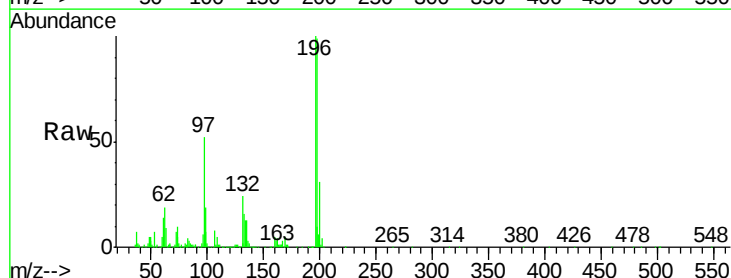
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

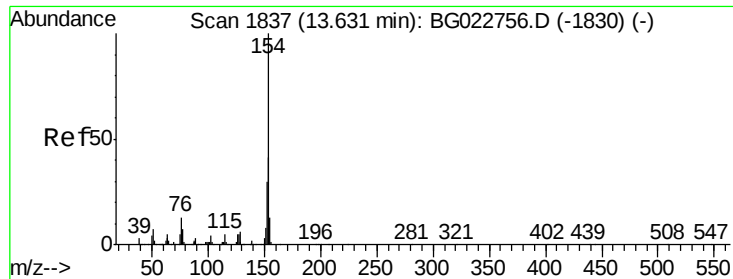
Tot Ion	Ratio	Lower	Upper
196	100		
198	102.0	77.4	116.0
200	30.9	26.6	39.8



#39
 2,4,5-Trichlorophenol
 Concen: 20.87 ng/ul
 RT: 13.31 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.0	79.8	119.8
200	30.9	24.0	36.0





#40

1,1'-Biphenyl

Concen: 19.58 ng/ul

RT: 13.63 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

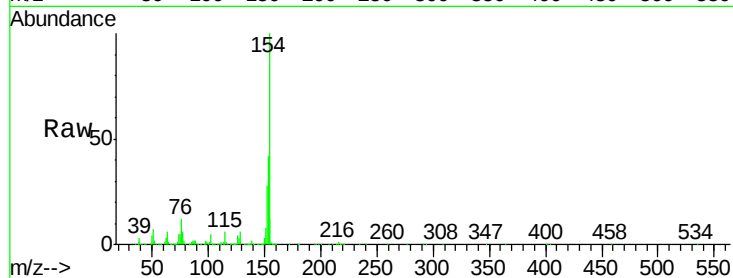
Tot Ion:154 Resp: 520675

Ion Ratio Lower Upper

154 100

153 42.3 34.6 52.0

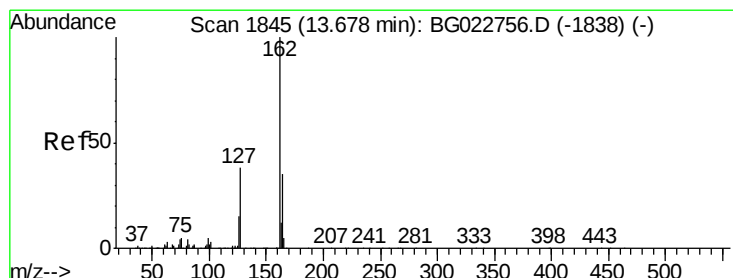
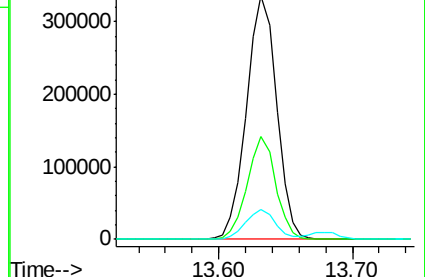
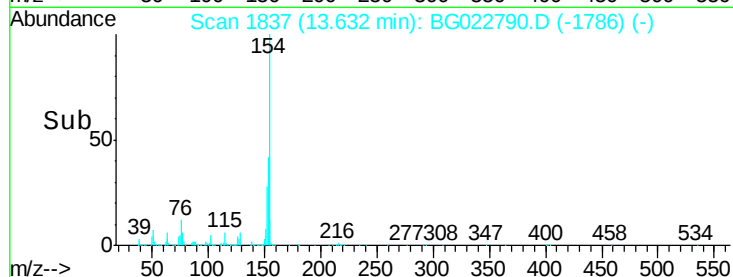
76 12.3 11.9 17.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#41

2-Chloronaphthalene

Concen: 19.99 ng/ul

RT: 13.68 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

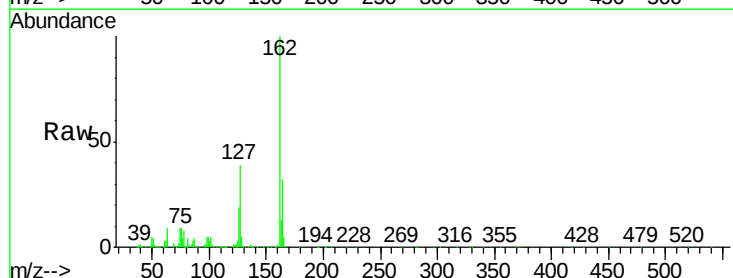
Tgt Ion:162 Resp: 430365

Ion Ratio Lower Upper

162 100

164 32.2 25.4 38.2

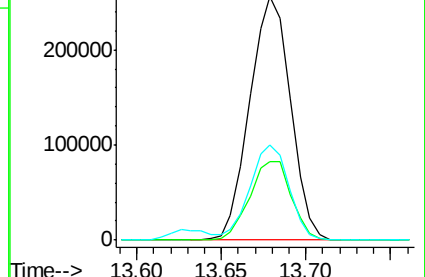
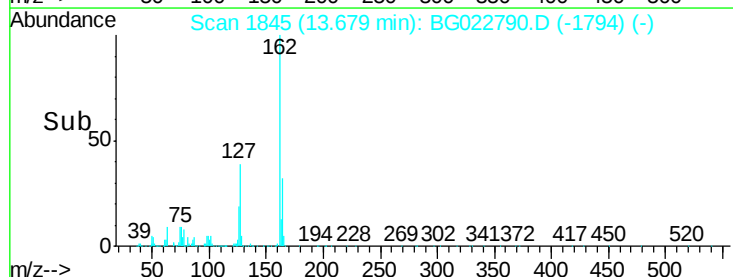
127 39.2 30.2 45.4

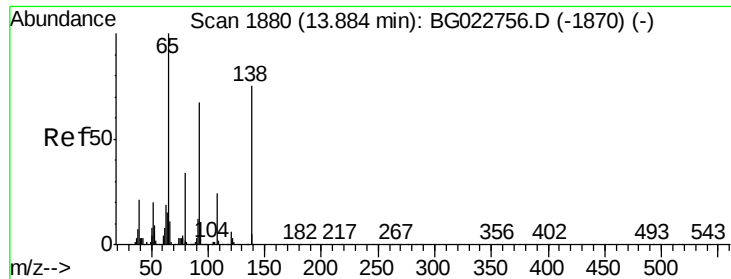


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E

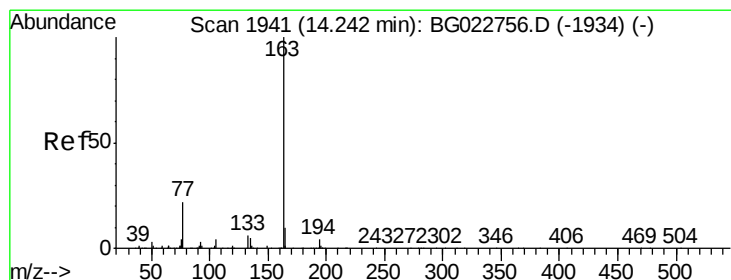
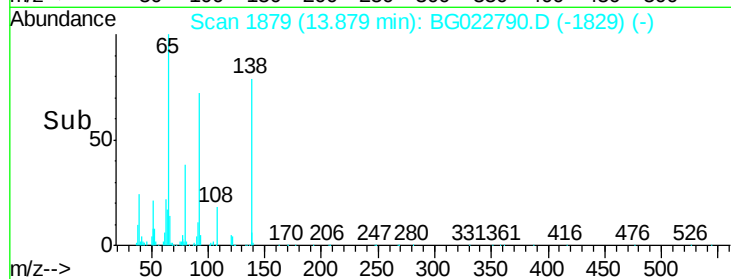
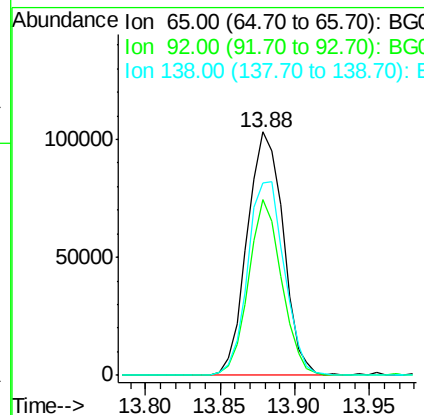
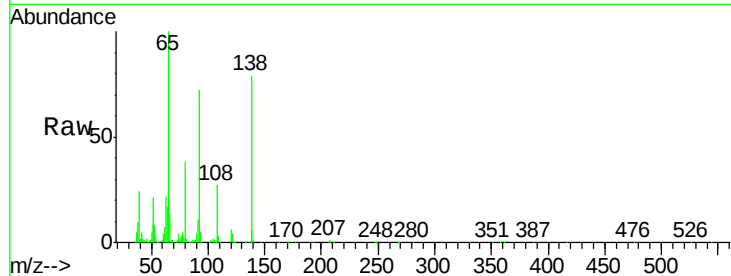




#42
2-Nitroaniline
Concen: 20.73 ng/ul
RT: 13.88 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

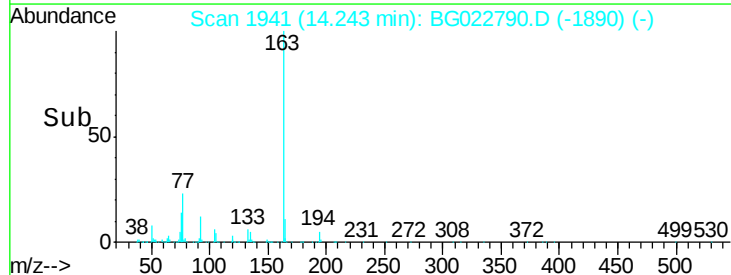
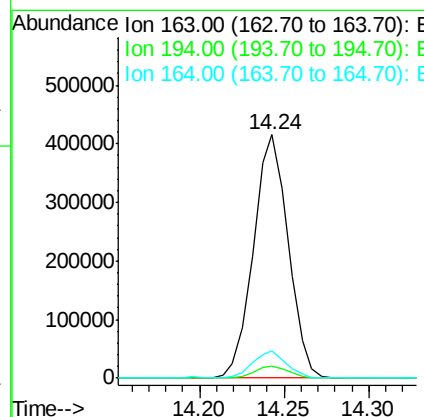
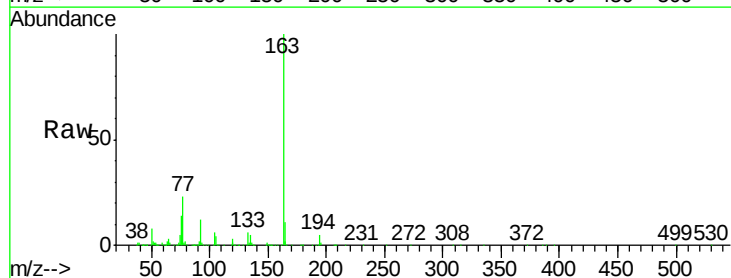
Instrument :
BNA_G
ClientSampleId :
SSTD02014

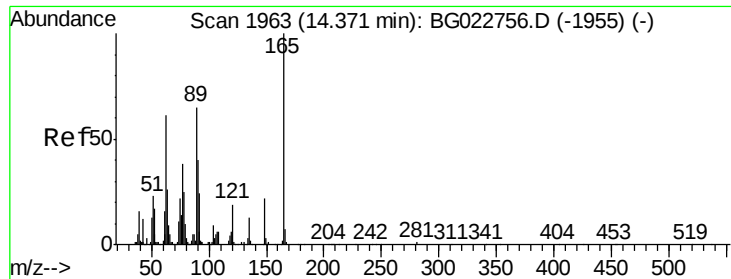
Tot Ion: 65 Resp: 172627
Ion Ratio Lower Upper
65 100
92 72.3 67.1 100.7
138 79.0 109.6 164.4#



#44
Dimethylphthalate
Concen: 20.56 ng/ul
RT: 14.24 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:163 Resp: 596498
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 11.3 8.8 13.2

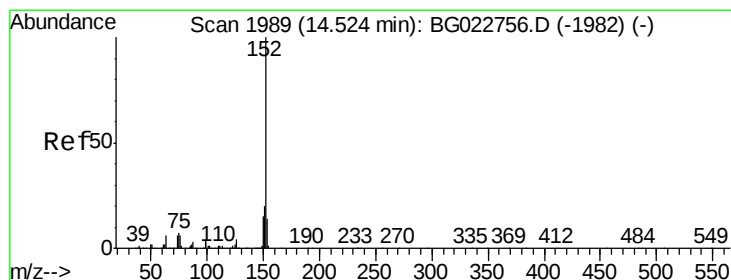
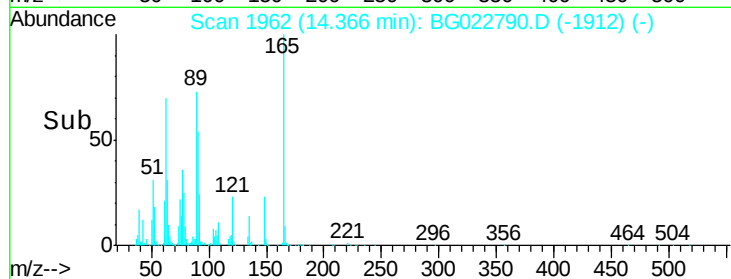
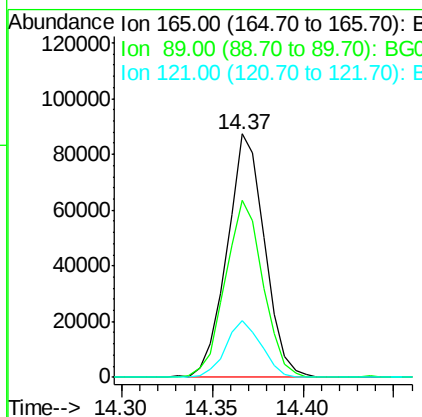
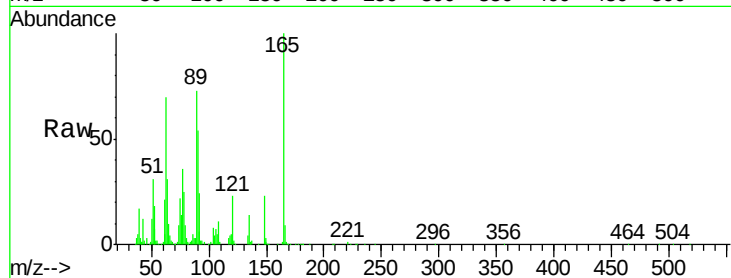




#45
 2,6-Dinitrotoluene
 Concen: 19.97 ng/ul
 RT: 14.37 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

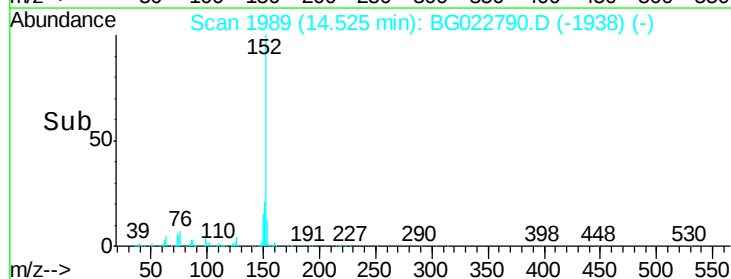
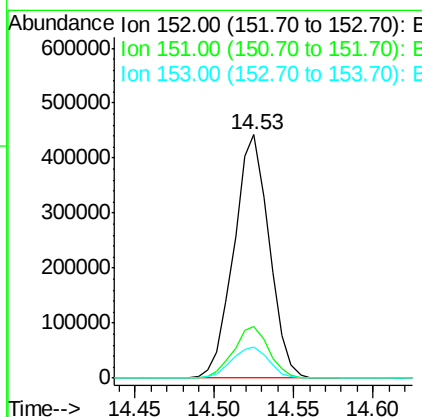
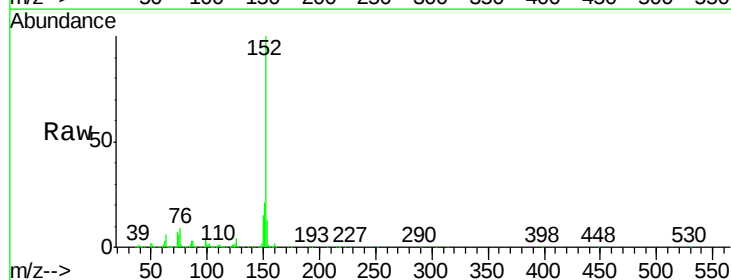
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

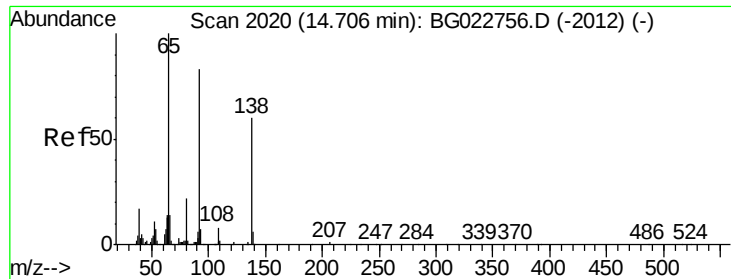
Tot Ion	Ratio	Lower	Upper
165	100		
89	72.7	41.5	62.3
121	23.4	17.0	25.4



#47
 Acenaphthylene
 Concen: 20.84 ng/ul
 RT: 14.53 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.5	26.3
153	12.9	11.1	16.7

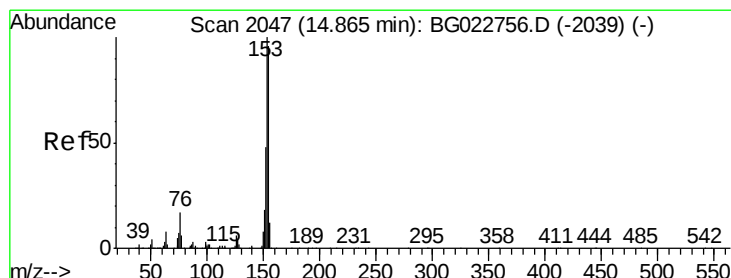
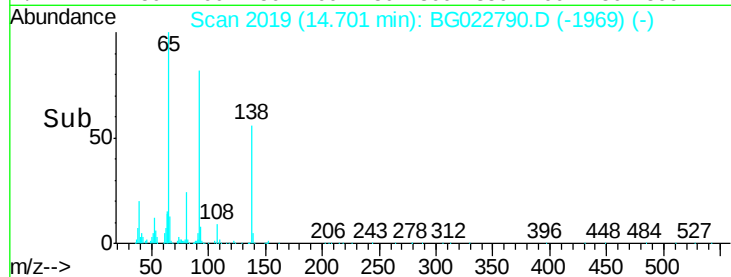
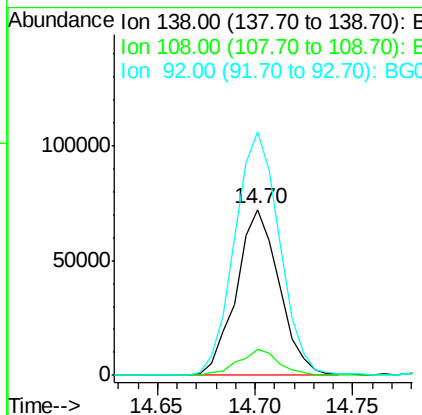
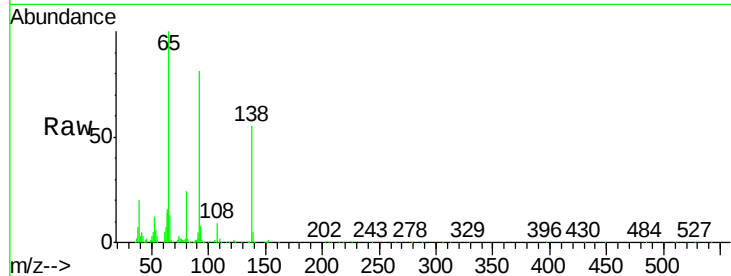




#48
3-Nitroaniline
Concen: 22.28 ng/ul
RT: 14.70 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

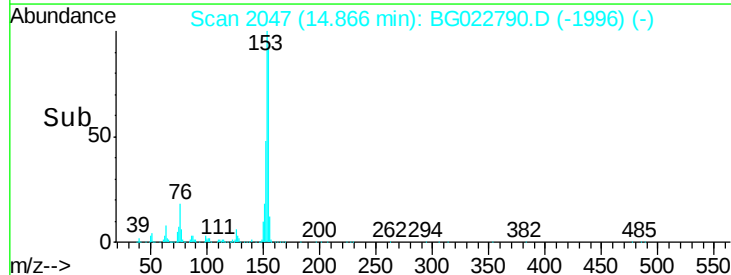
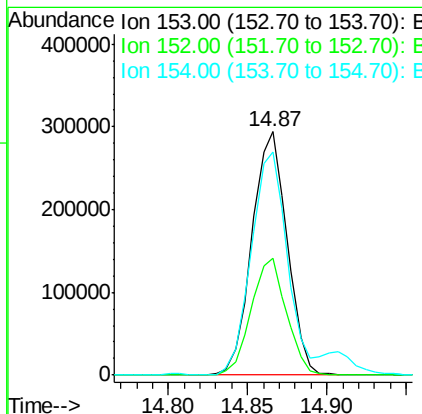
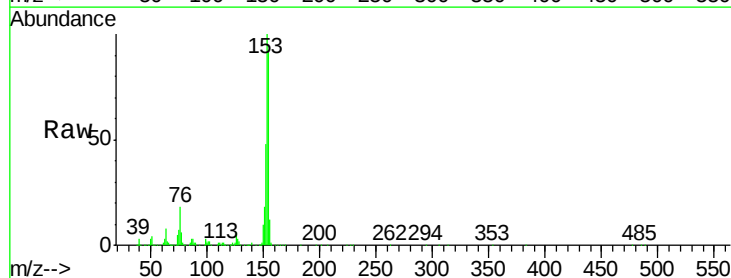
Instrument :
BNA_G
ClientSampleId :
SSTD02014

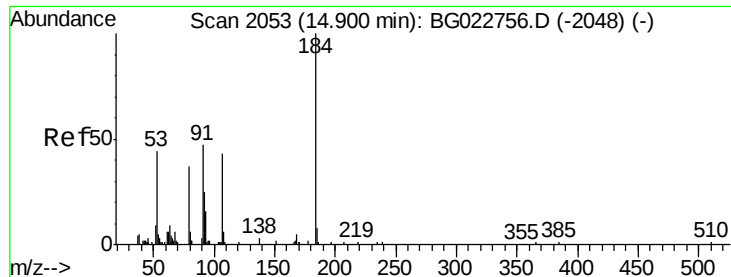
Tot Ion:138 Resp: 109333
Ion Ratio Lower Upper
138 100
108 16.1 6.2 9.2#
92 147.0 79.3 118.9#



#49
Acenaphthene
Concen: 20.42 ng/ul
RT: 14.87 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:153 Resp: 454772
Ion Ratio Lower Upper
153 100
152 48.1 37.3 55.9
154 91.7 68.2 102.2

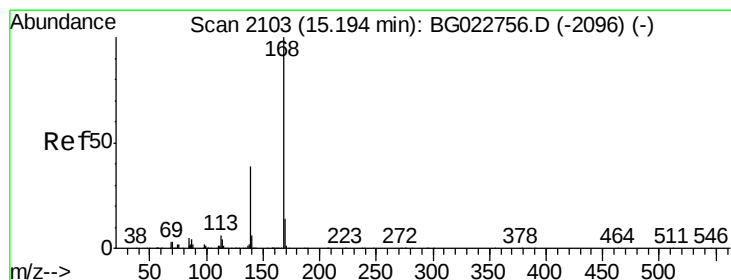
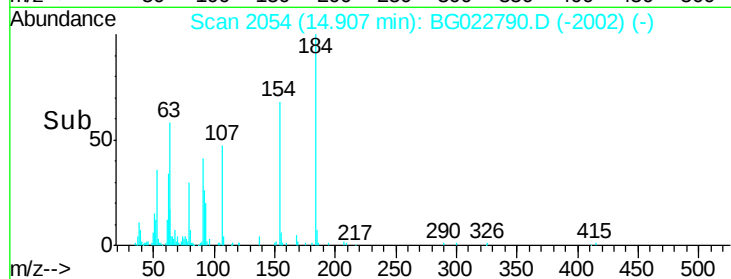
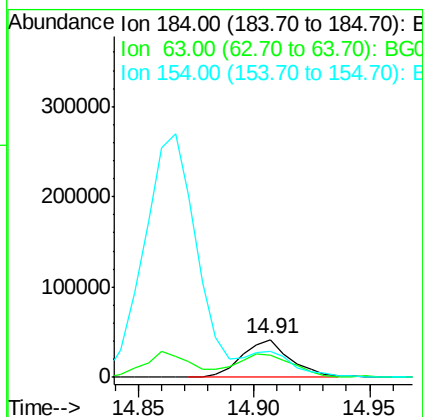
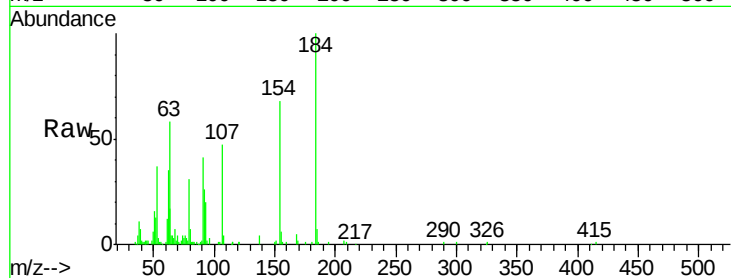




#50
2,4-Dinitrophenol
Concen: 17.53 ng/ul
RT: 14.91 min Scan# 2054
Delta R.T. 0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

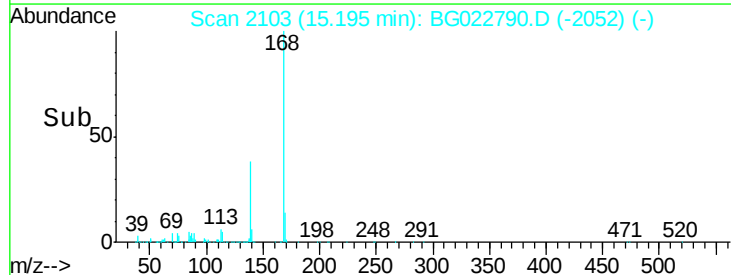
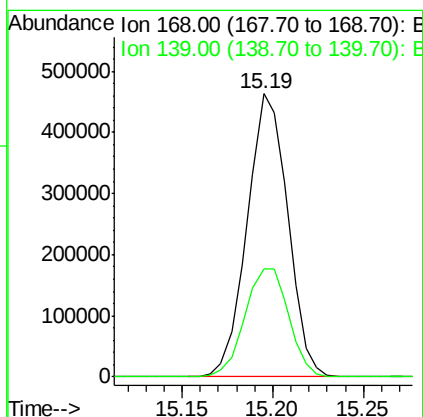
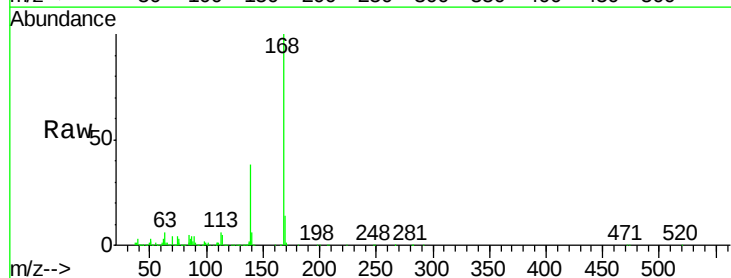
Instrument :
BNA_G
ClientSampleId :
SSTD02014

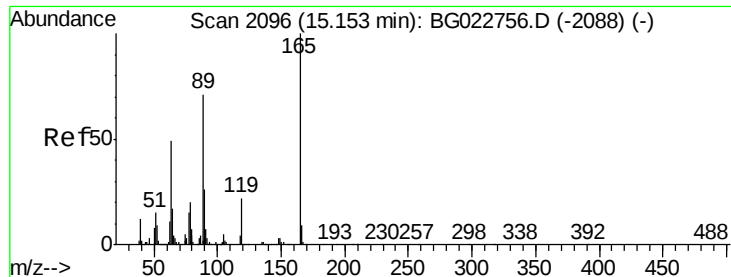
Tot Ion:184 Resp: 61186
Ion Ratio Lower Upper
184 100
63 57.8 40.5 60.7
154 68.2 48.5 72.7



#53
Dibenzofuran
Concen: 20.92 ng/ul
RT: 15.19 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:168 Resp: 719970
Ion Ratio Lower Upper
168 100
139 38.1 27.4 41.0





#54

2,4-Dinitrotoluene

Concen: 21.38 ng/ul

RT: 15.15 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

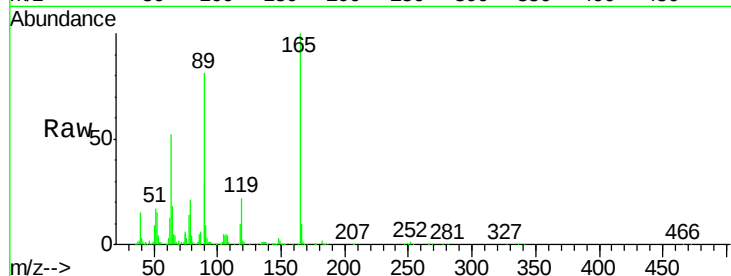
Tot Ion:165 Resp: 194137

Ion Ratio Lower Upper

165 100

63 51.8 25.7 38.5#

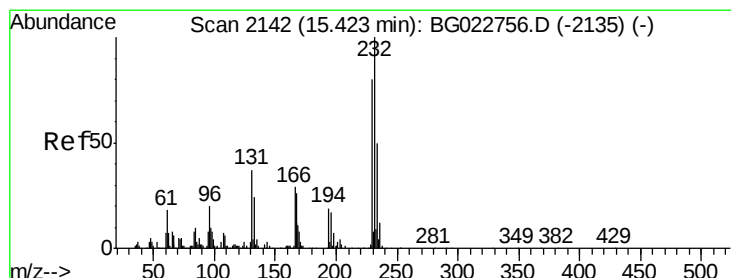
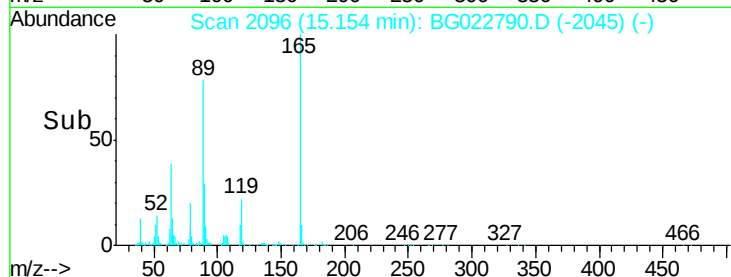
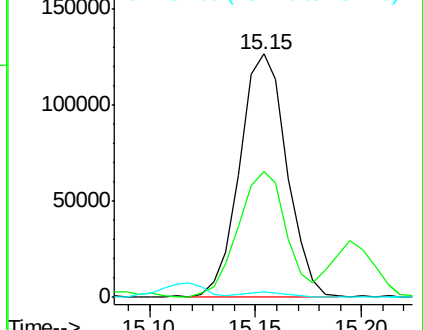
182 2.2 2.1 3.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 21.40 ng/ul

RT: 15.42 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Tgt Ion:232 Resp: 206673

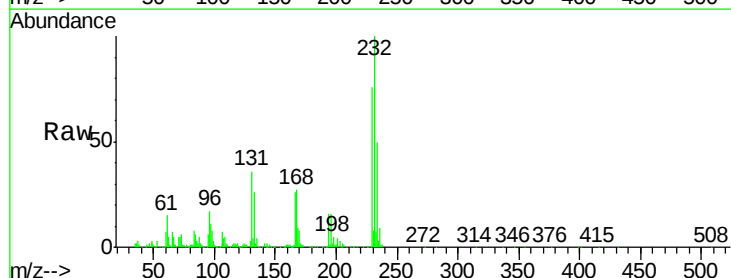
Ion Ratio Lower Upper

232 100

131 35.7 34.8 52.2

130 2.7 2.2 3.2

166 26.1 23.8 35.6

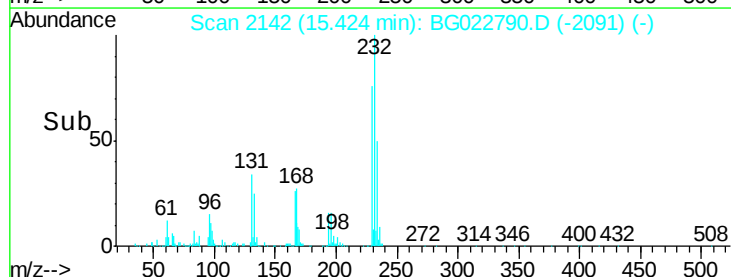
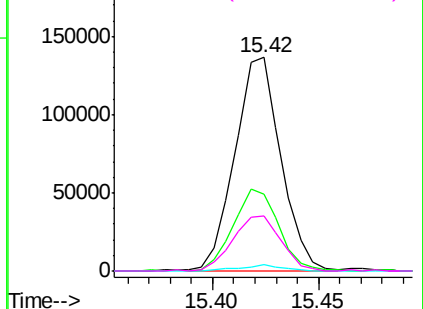


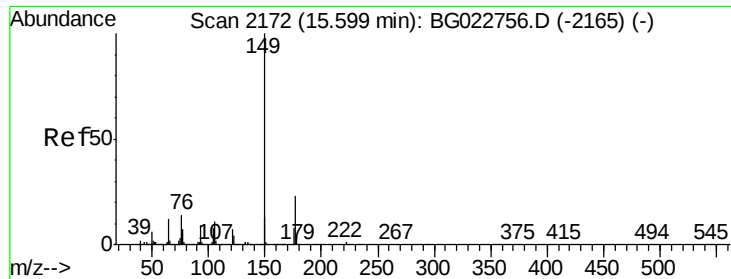
Abundance Ion 232.00 (231.70 to 232.70): E

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: 20.85 ng/ul

RT: 15.60 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

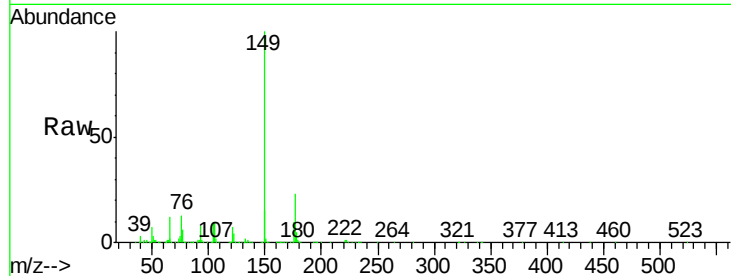
Tot Ion:149 Resp: 614701

Ion Ratio Lower Upper

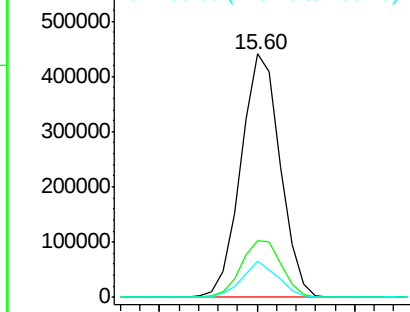
149 100

177 23.2 17.4 26.2

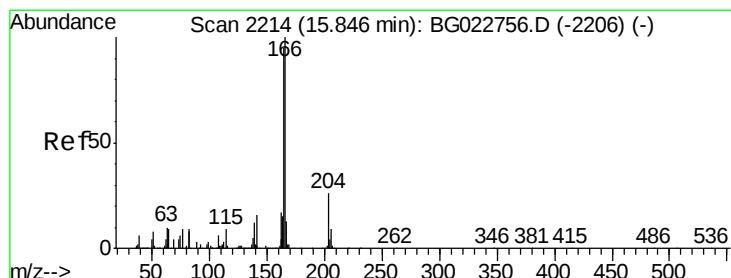
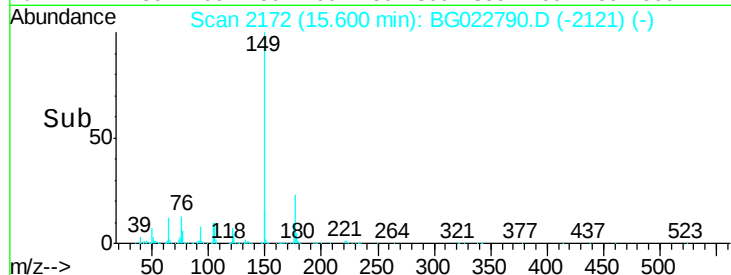
150 14.7 9.6 14.4#



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



Time-->



#58

Fluorene

Concen: 21.27 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

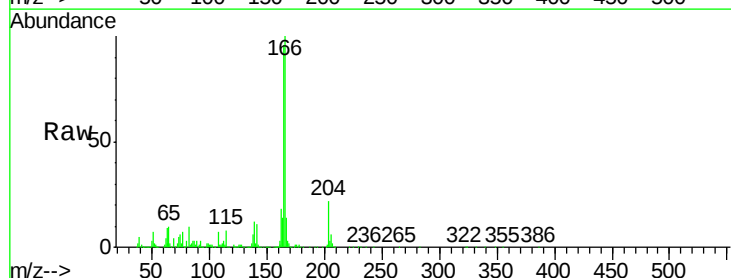
Tgt Ion:166 Resp: 587909

Ion Ratio Lower Upper

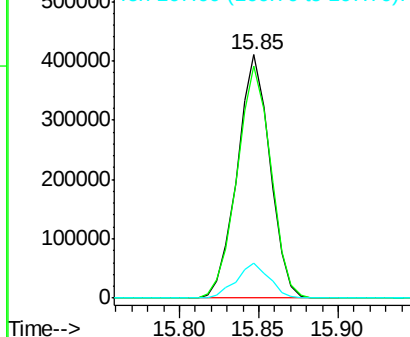
166 100

165 95.5 80.3 120.5

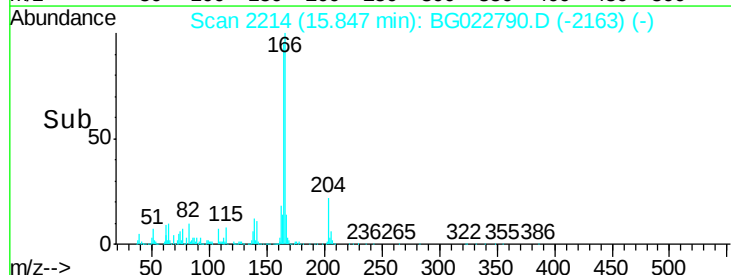
167 14.4 10.3 15.5

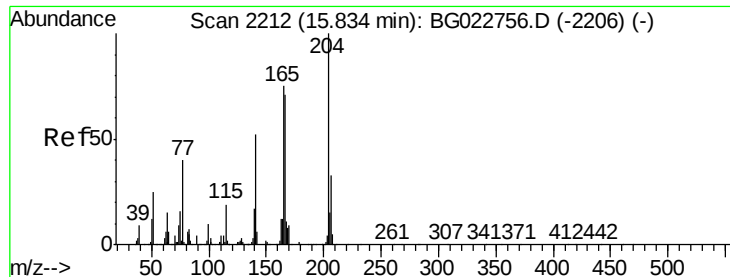


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->

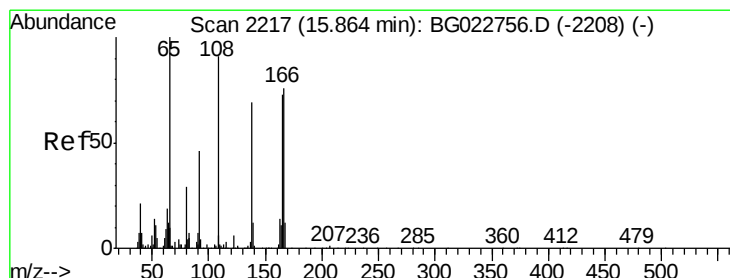
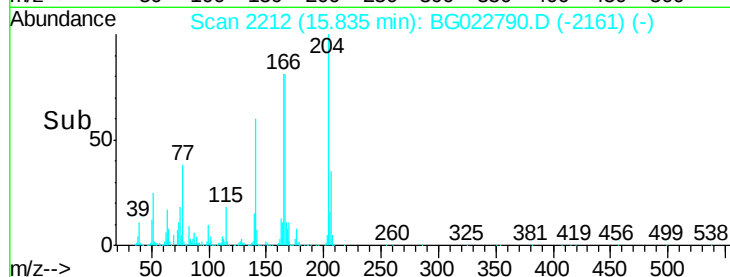
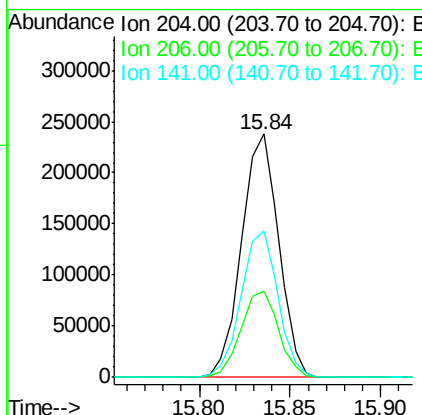
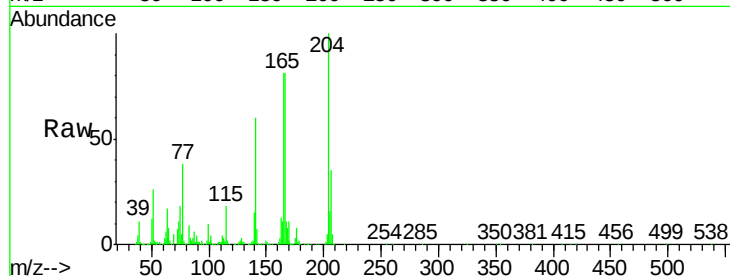




#59
4-Chlorophenyl-phenylether
Concen: 20.44 ng/ul
RT: 15.84 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

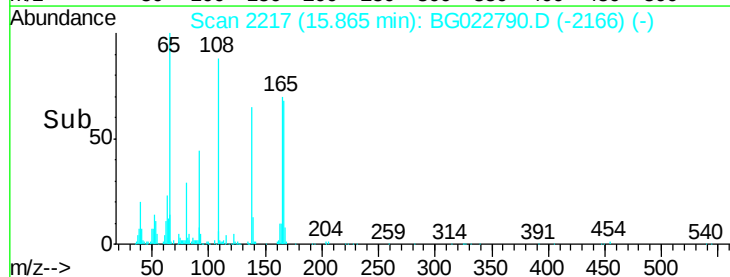
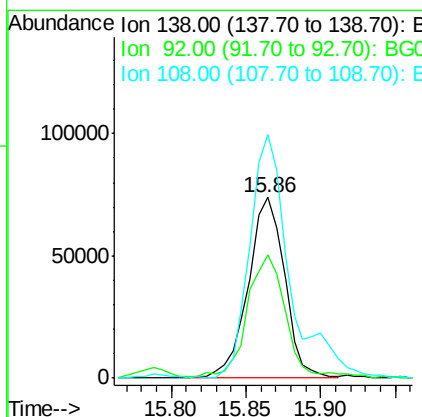
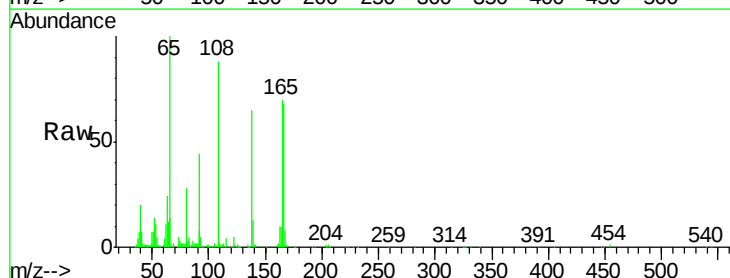
Instrument :
BNA_G
ClientSampleId :
SSTD02014

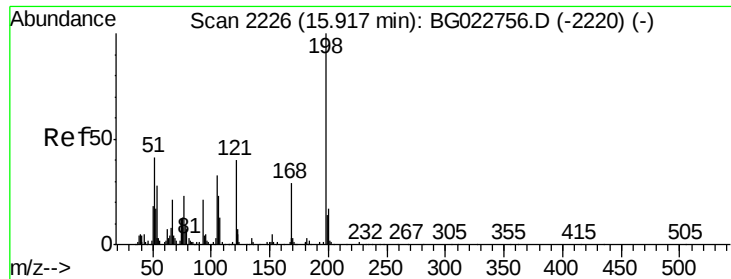
Tot Ion	Ratio	Lower	Upper
204	100		
206	35.5	27.4	41.2
141	60.2	47.1	70.7



#60
4-Nitroaniline
Concen: 21.14 ng/ul
RT: 15.86 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
138	100		
92	68.3	39.0	58.4#
108	134.7	49.2	73.8#

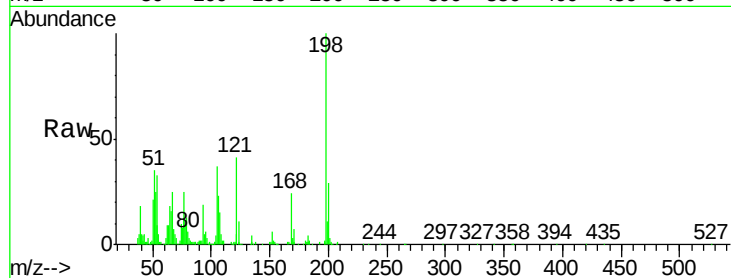




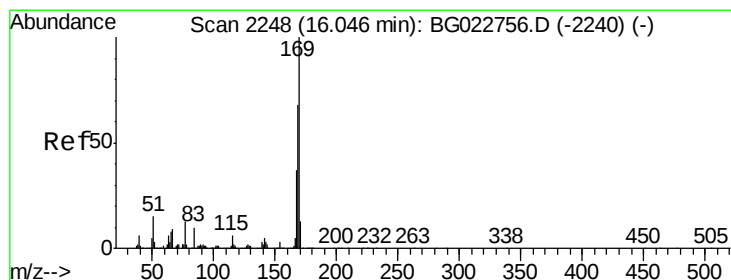
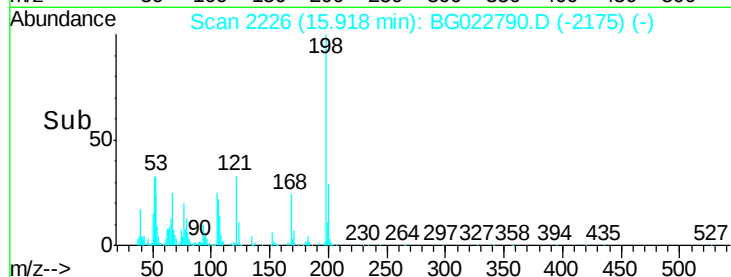
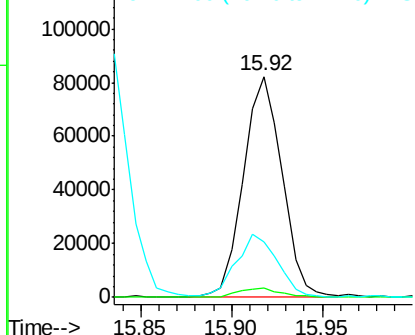
#63
 4,6-Dinitro-2-methylphenol
 Concen: 19.16 ng/ul
 RT: 15.92 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

Tot Ion	Ratio	Lower	Upper
198	100		
182	4.1	4.2	6.2#
77	25.1	16.7	25.1#

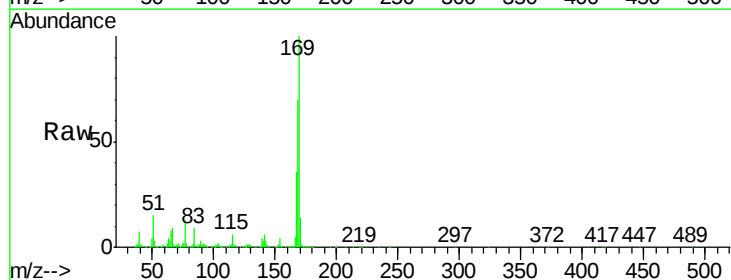


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BGC

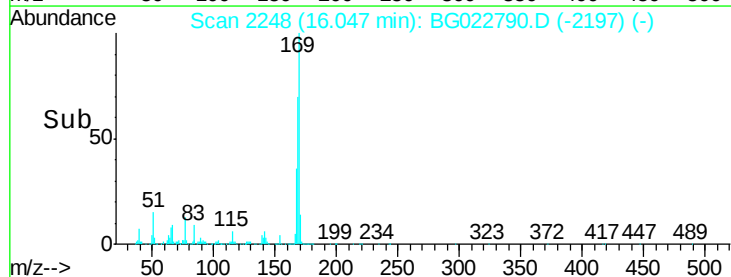
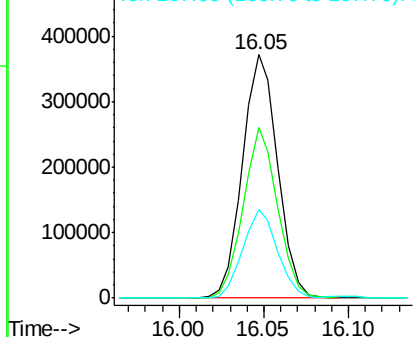


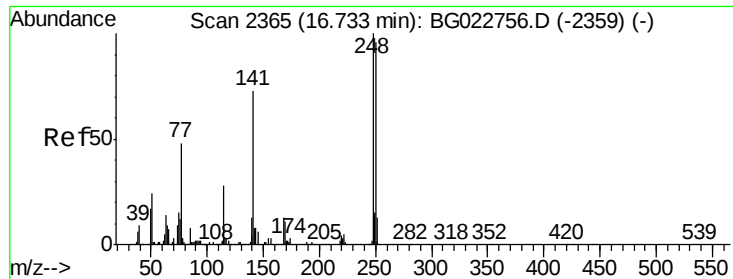
#64
 N-Nitrosodiphenylamine
 Concen: 19.53 ng/ul
 RT: 16.05 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.9	59.0	88.6
167	36.2	30.6	46.0



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

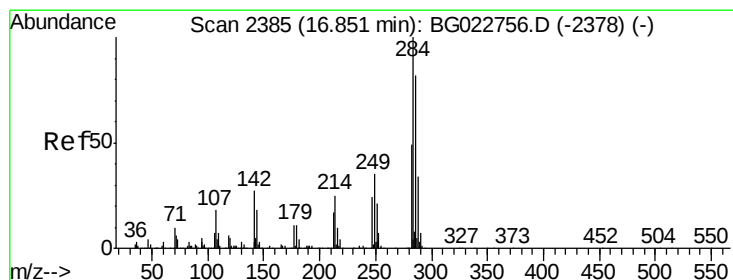
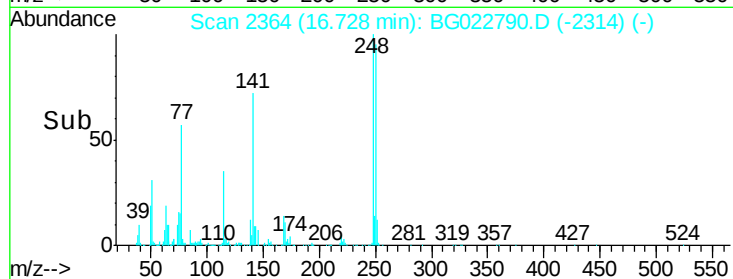
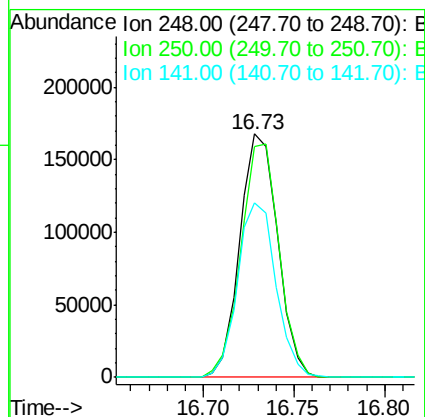
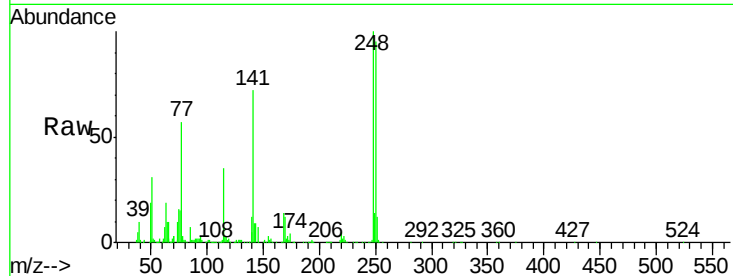




#65
4-Bromophenyl-phenylether
Concen: 19.53 ng/ul
RT: 16.73 min Scan# 2364
Delta R.T. -0.01 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

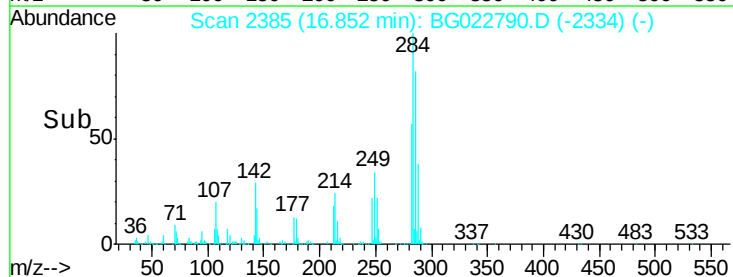
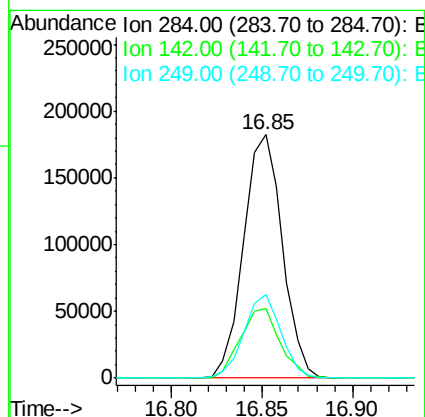
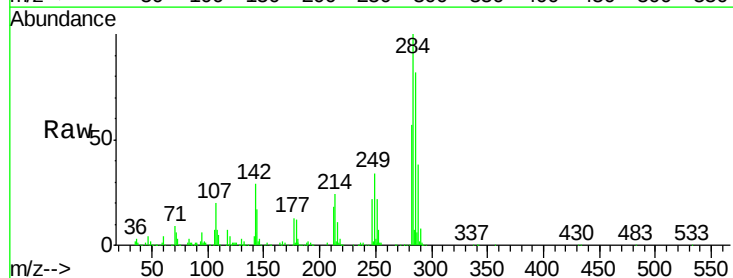
Instrument :
BNA_G
ClientSampled :
SSTD02014

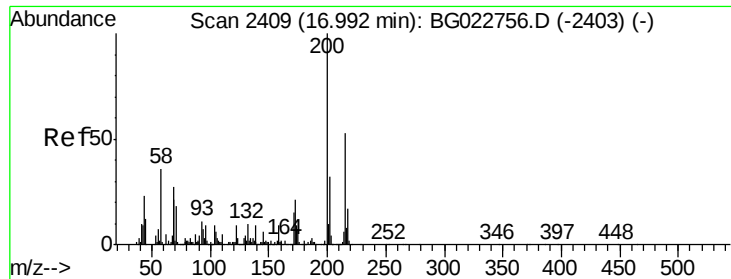
Tot Ion:248 Resp: 244023
Ion Ratio Lower Upper
248 100
250 95.0 76.6 114.8
141 71.7 61.8 92.6



#66
Hexachlorobenzene
Concen: 20.49 ng/ul
RT: 16.85 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:284 Resp: 271102
Ion Ratio Lower Upper
284 100
142 28.8 27.8 41.8
249 34.2 24.4 36.6

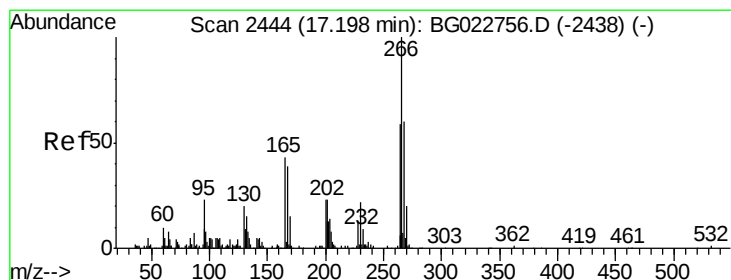
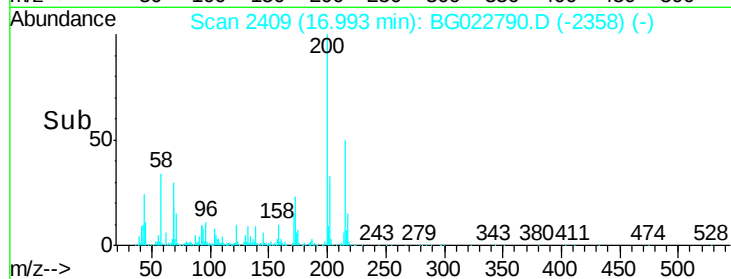
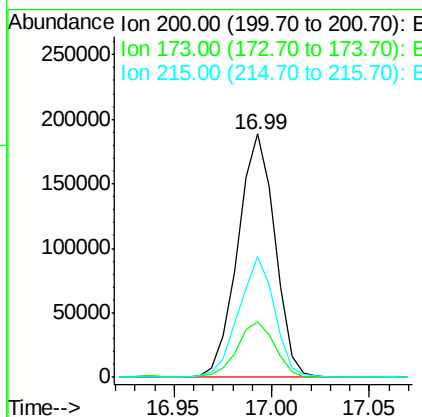
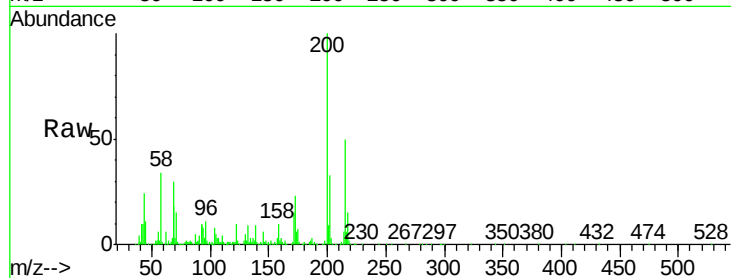




#67
 Atrazine
 Concen: 21.69 ng/ul
 RT: 16.99 min Scan# 2409
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

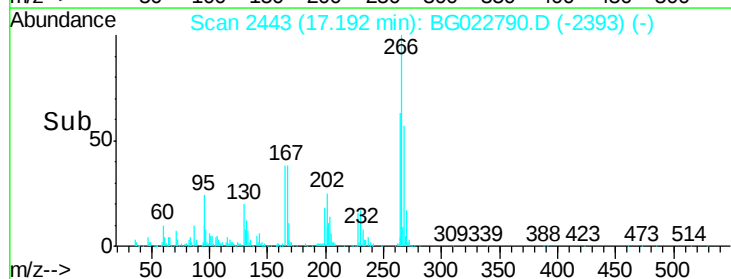
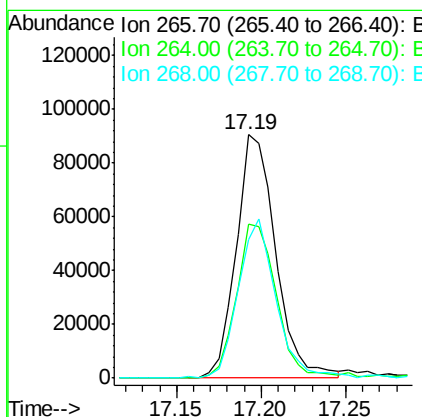
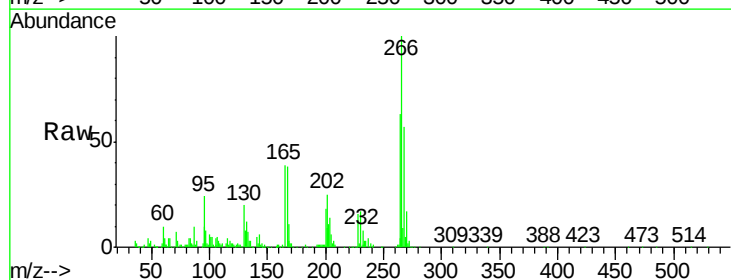
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

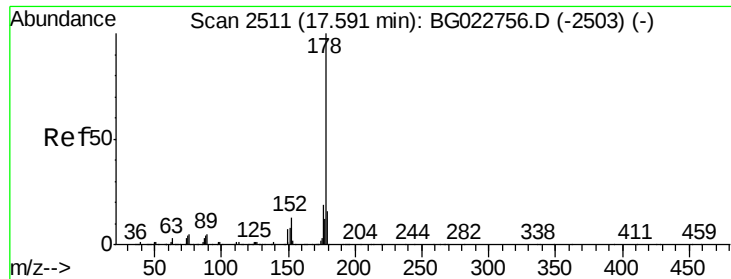
Tot Ion	Ratio	Lower	Upper
200	100		
173	22.7	21.0	31.6
215	49.6	37.9	56.9



#68
 Pentachlorophenol
 Concen: 19.39 ng/ul
 RT: 17.19 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	54.7	82.1
268	56.8	57.8	86.8





#69

Phenanthrene

Concen: 20.56 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

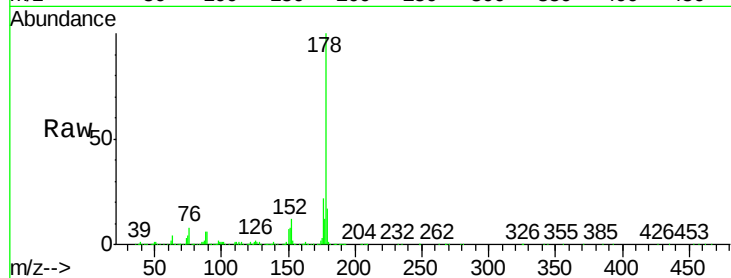
BNA_G

ClientSampleId :

SSTD02014

Tot Ion:178 Resp: 982640

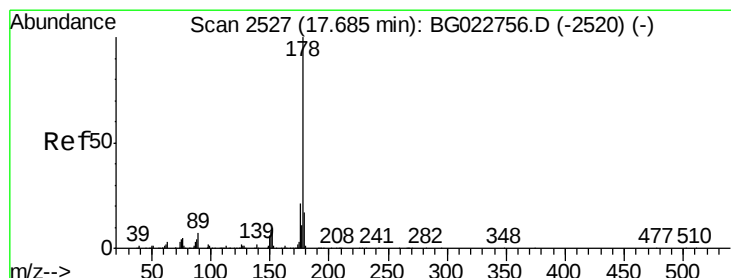
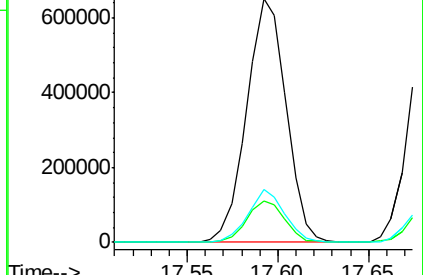
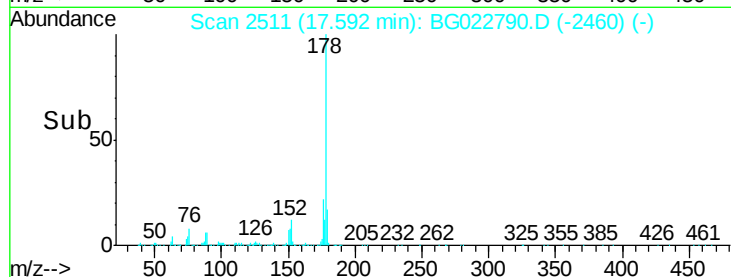
Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.9	19.3
176	22.0	15.8	23.8



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: 20.81 ng/ul

RT: 17.69 min Scan# 2527

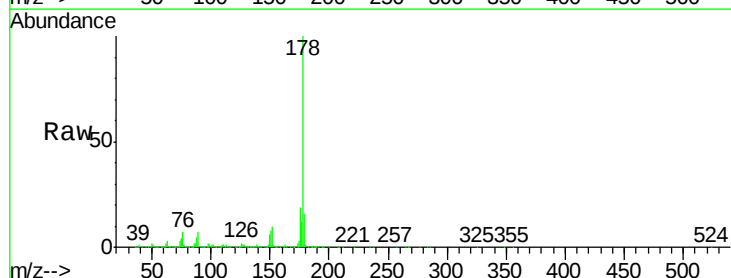
Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Tgt Ion:178 Resp: 1021640

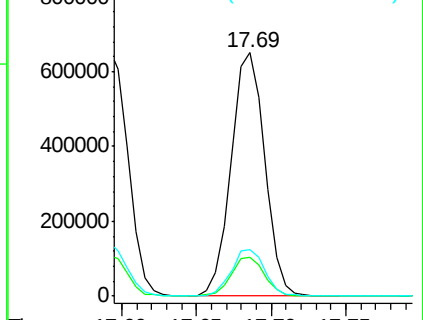
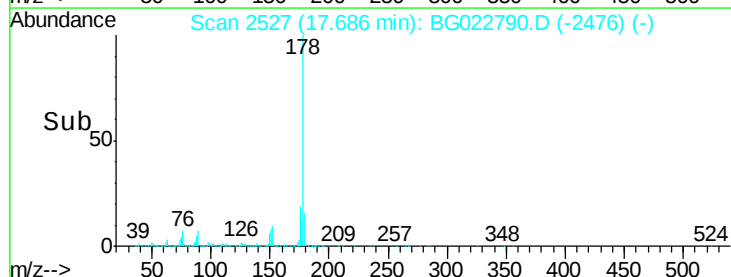
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.9	16.3	24.5

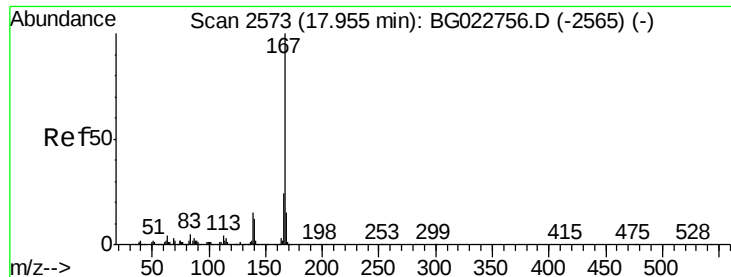


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 22.83 ng/ul

RT: 17.96 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

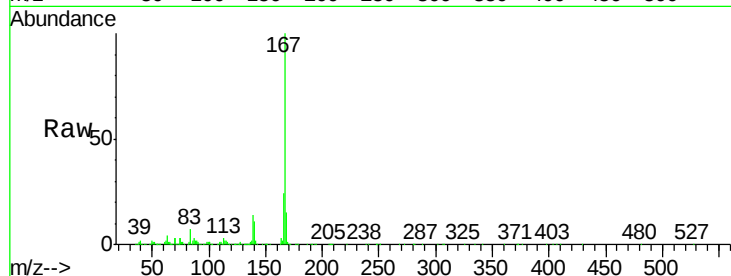
BNA_G

ClientSampleId :

SSTD02014

Tot Ion:167 Resp: 829657

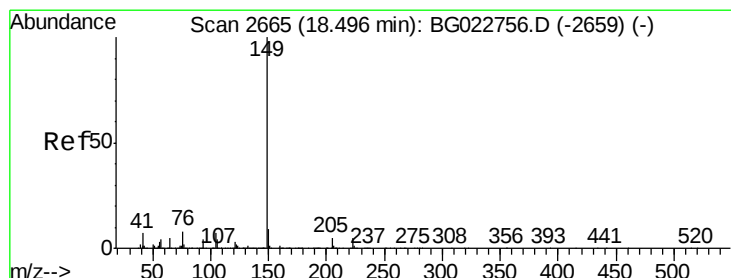
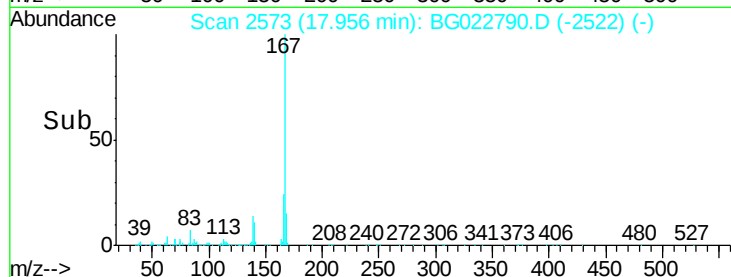
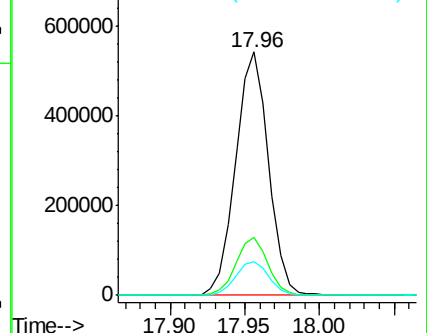
Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.2	28.8
139	13.7	10.2	15.4



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: 21.68 ng/ul

RT: 18.50 min Scan# 2665

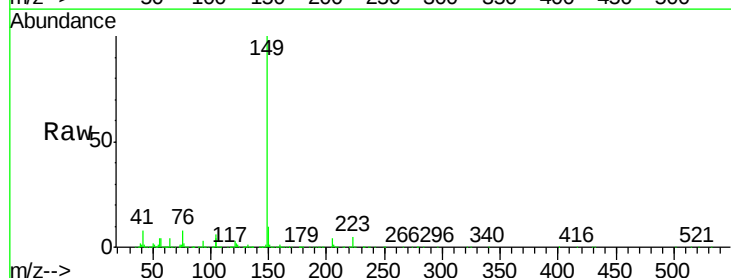
Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Tgt Ion:149 Resp: 1011377

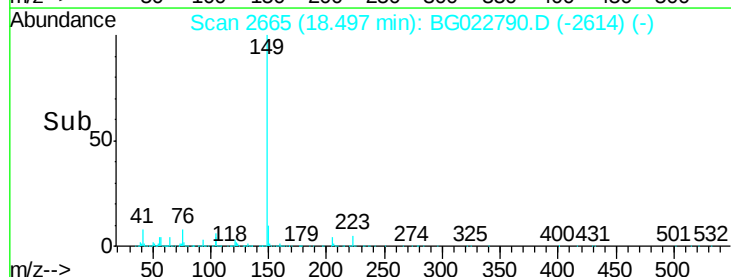
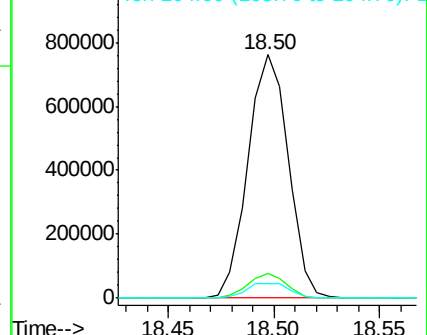
Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.1	10.7
104	6.2	3.3	4.9

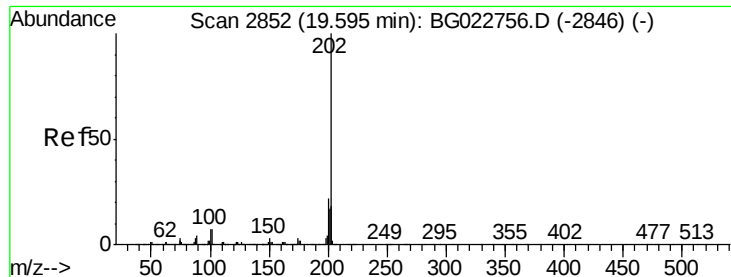


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 24.01 ng/ul

RT: 19.60 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

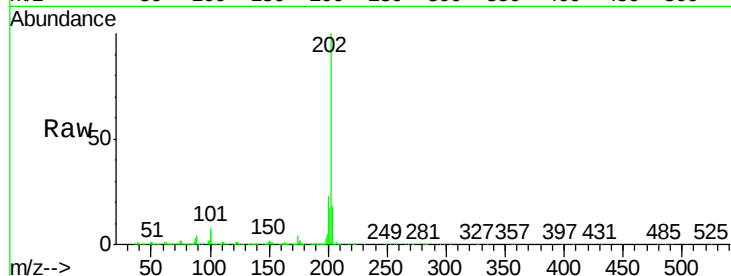
Tot Ion:202 Resp: 1195346

Ion Ratio Lower Upper

202 100

101 7.5 10.6 16.0#

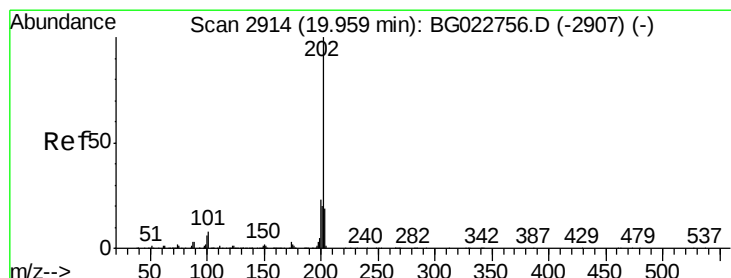
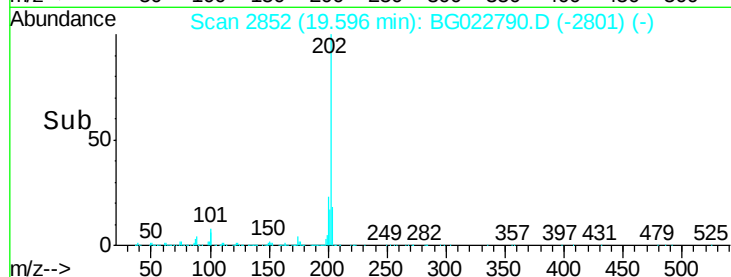
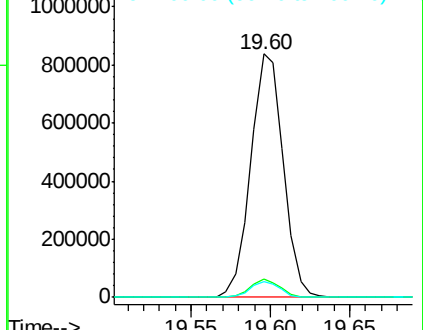
100 6.4 8.7 13.1#



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: 20.74 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

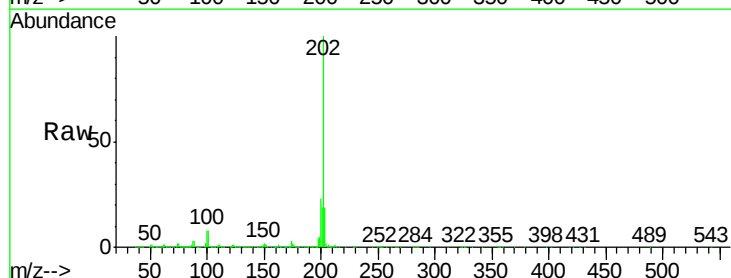
Tgt Ion:202 Resp: 1206060

Ion Ratio Lower Upper

202 100

101 8.3 12.5 18.7#

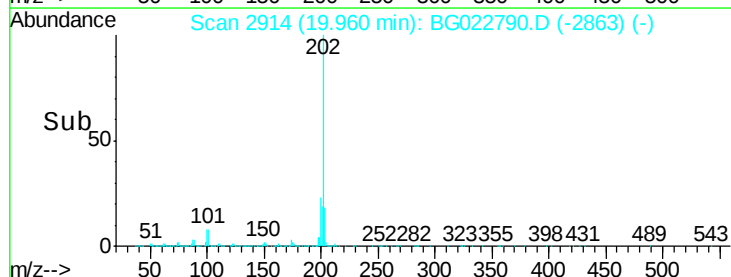
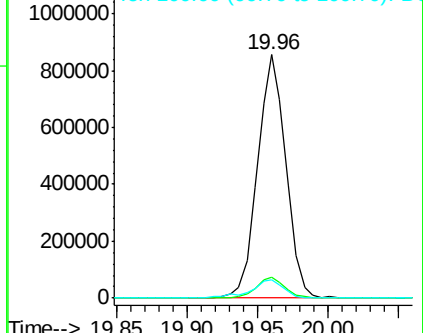
100 7.8 10.2 15.4#

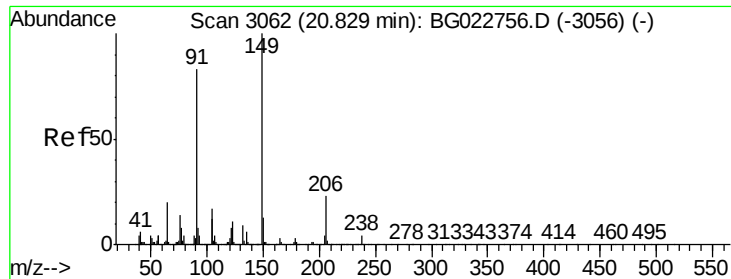


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

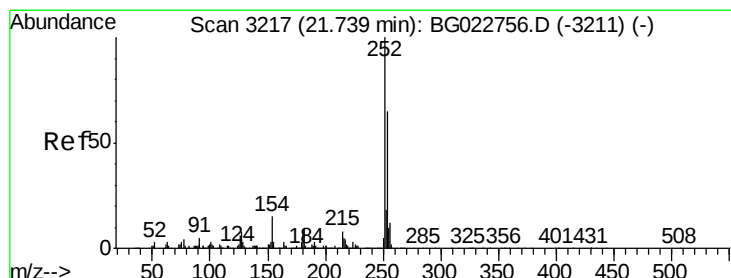
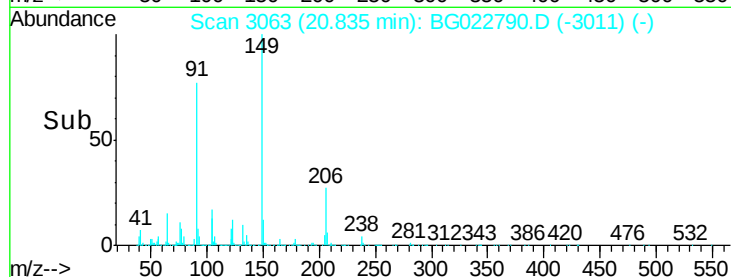
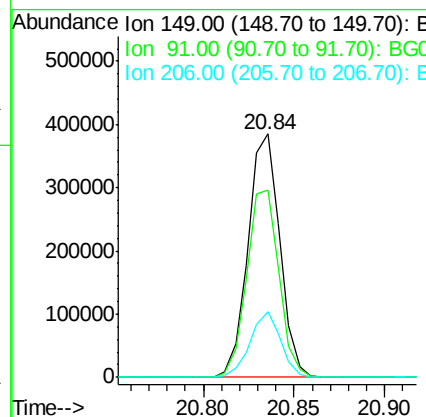
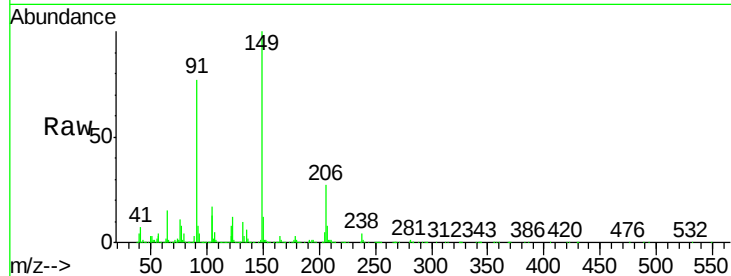




#78
 Butylbenzylphthalate
 Concen: 20.73 ng/ul
 RT: 20.84 min Scan# 3063
 Delta R.T. 0.01 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

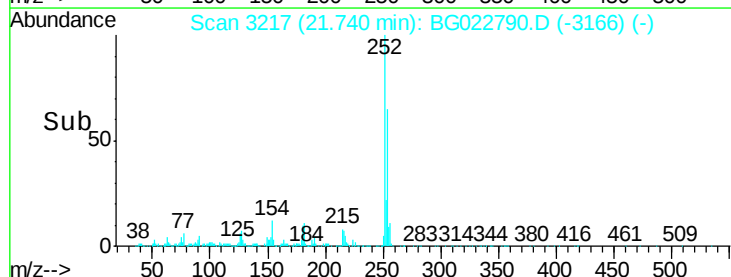
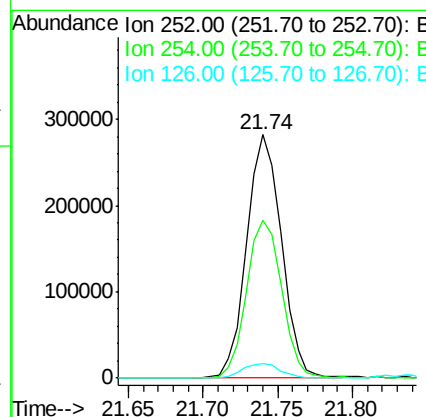
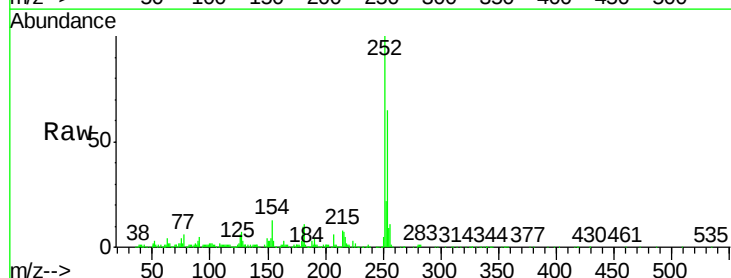
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02014

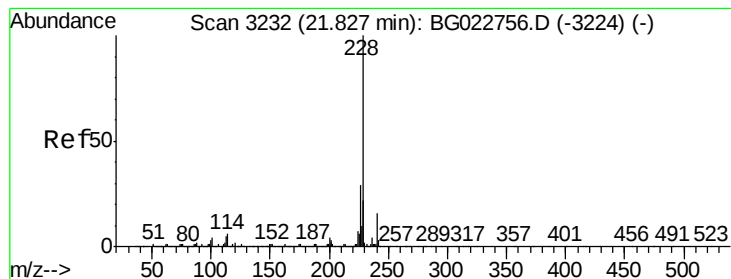
Tot Ion:149 Resp: 467416
 Ion Ratio Lower Upper
 149 100
 91 76.7 54.2 81.4
 206 26.9 14.1 21.1#



#79
 3,3'-Dichlorobenzidine
 Concen: 23.16 ng/ul
 RT: 21.74 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: BG022790.D
 Acq: 2 Jul 2016 12:28

Tgt Ion:252 Resp: 455641
 Ion Ratio Lower Upper
 252 100
 254 64.7 51.4 77.2
 126 6.2 10.7 16.1#





#80

Benzo(a)anthracene

Concen: 21.12 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

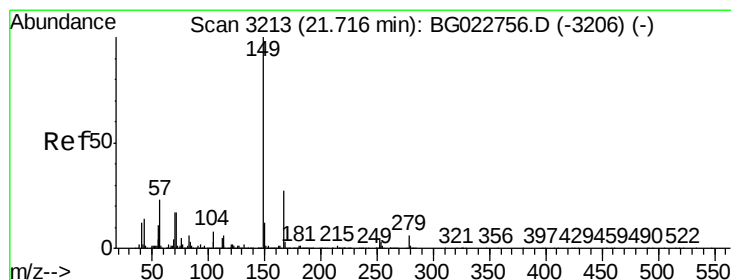
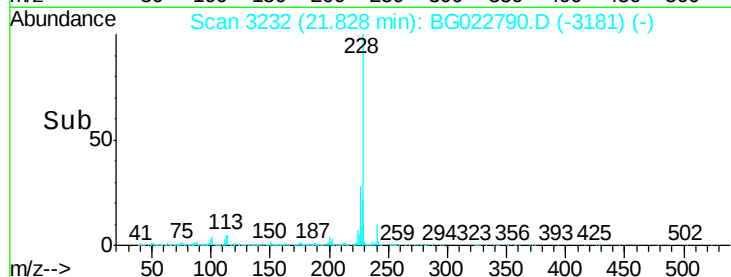
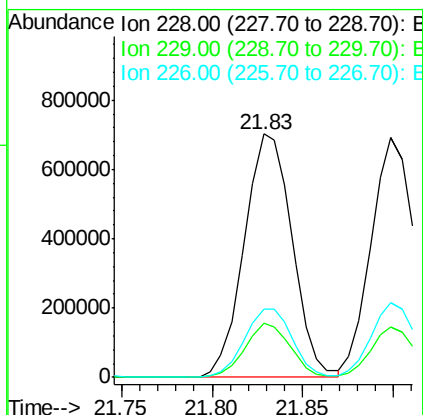
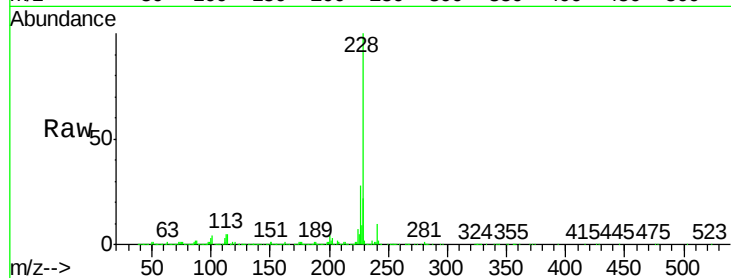
Tot Ion:228 Resp: 1287110

Ion Ratio Lower Upper

228 100

229 22.3 15.4 23.2

226 28.1 22.8 34.2



#81

Bis(2-ethylhexyl)phthalate

Concen: 22.08 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

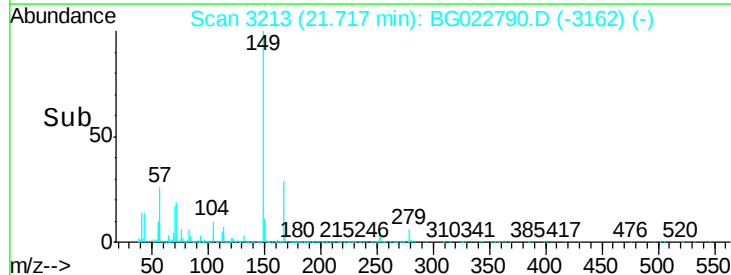
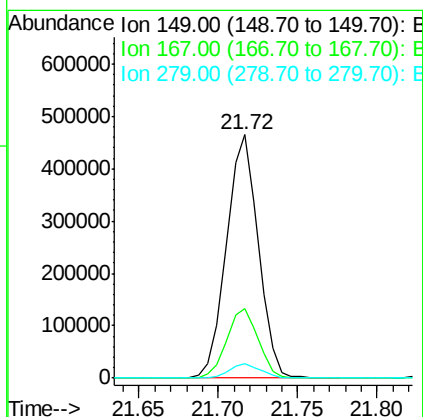
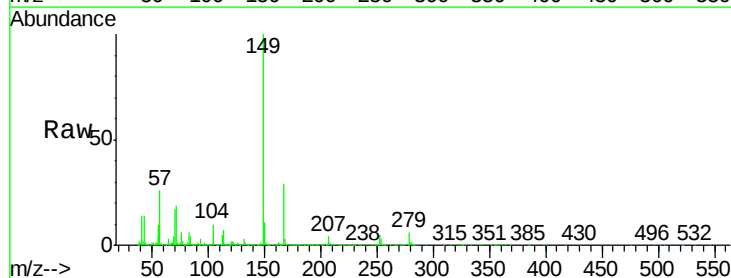
Tgt Ion:149 Resp: 642528

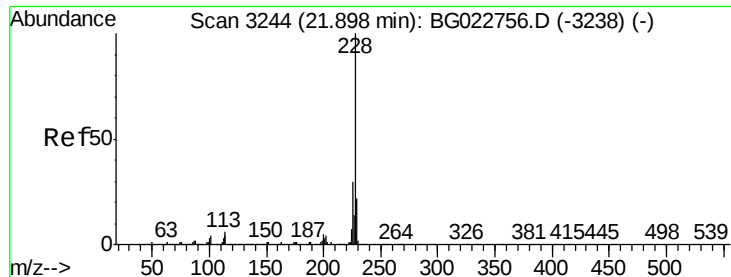
Ion Ratio Lower Upper

149 100

167 28.8 21.9 32.9

279 5.9 2.9 4.3#





#82

Chrysene

Concen: 20.77 ng/ul

RT: 21.90 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

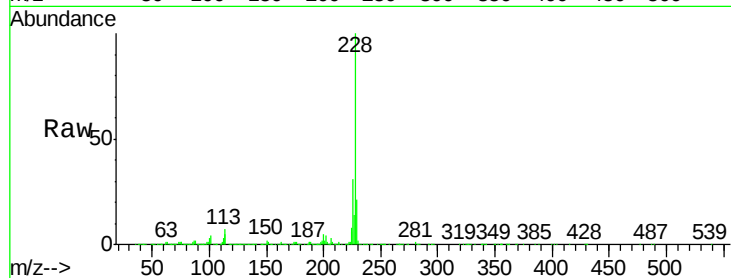
BNA_G

ClientSampleId :

SSTD02014

Tot Ion:228 Resp: 1151804

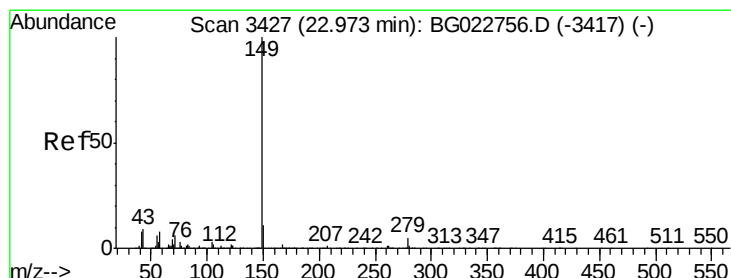
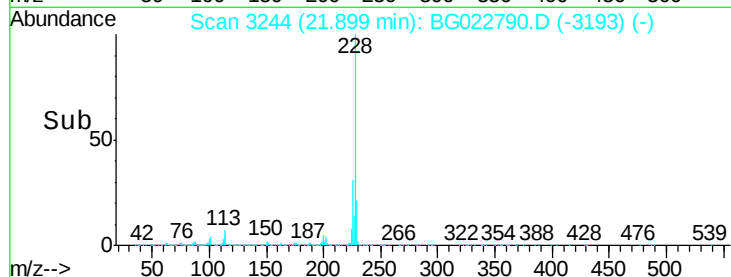
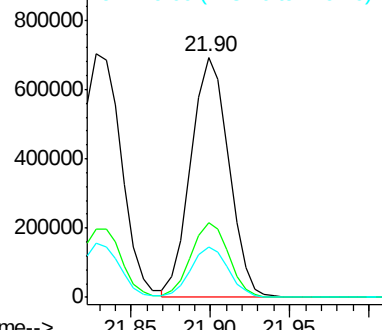
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	21.0	15.0	22.6



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: 23.21 ng/ul

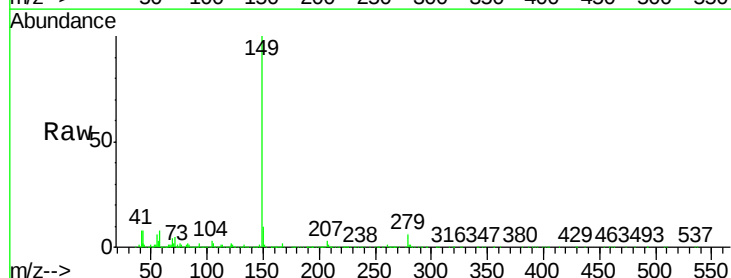
RT: 22.98 min Scan# 3428

Delta R.T. 0.01 min

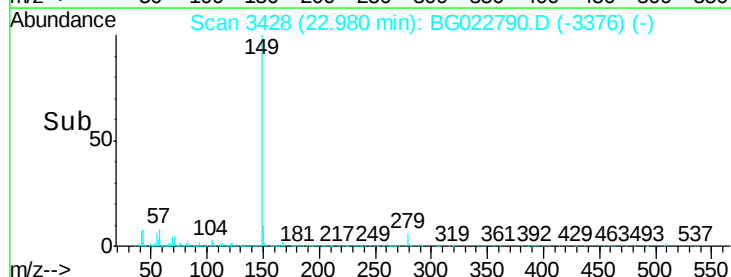
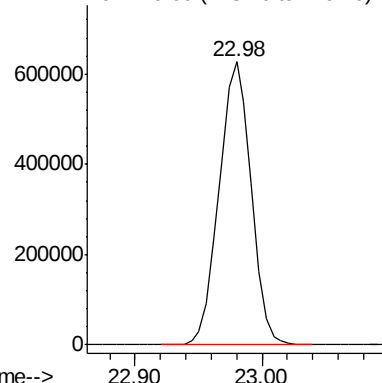
Lab File: BG022790.D

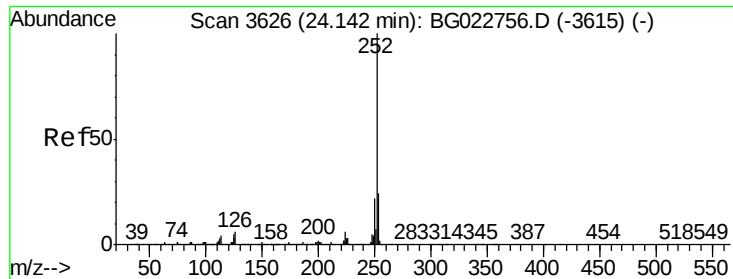
Acq: 2 Jul 2016 12:28

Tgt Ion:149 Resp: 1100253



Abundance Ion 149.00 (148.70 to 149.70): E

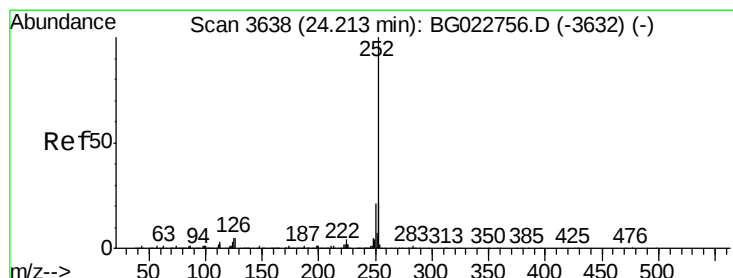
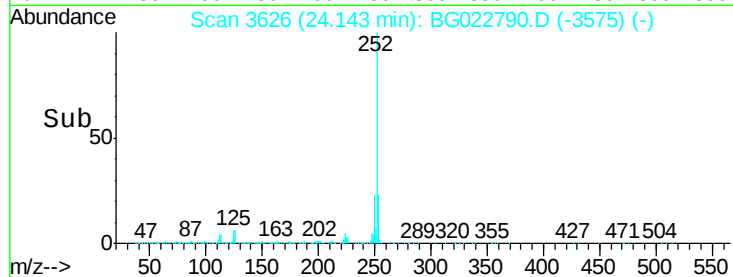
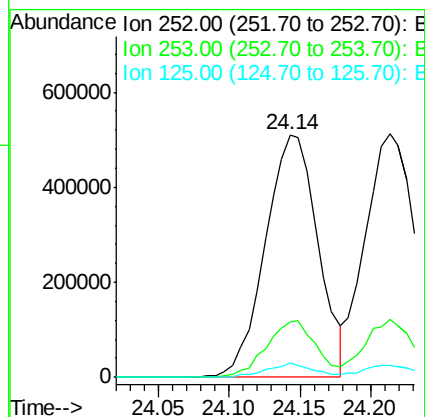
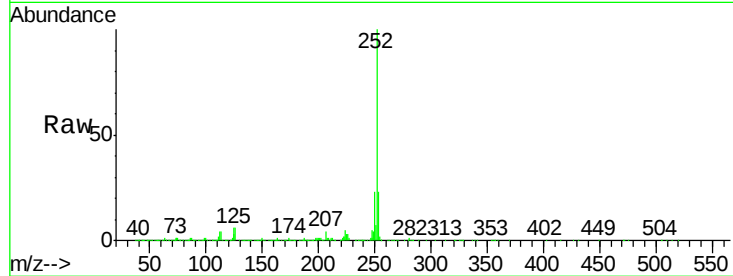




#85
Benzo(b)fluoranthene
Concen: 19.72 ng/ul
RT: 24.14 min Scan# 3626
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

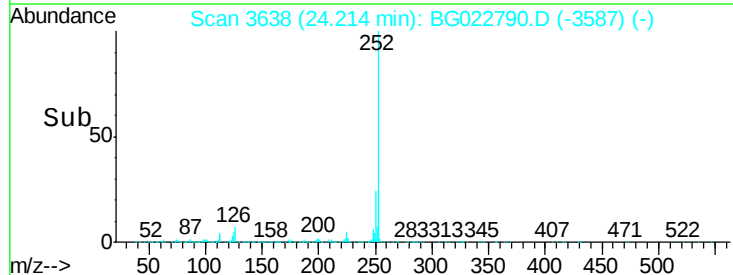
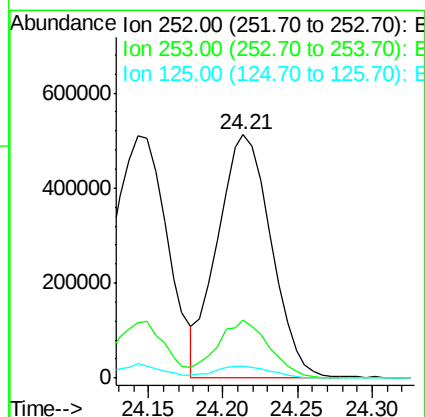
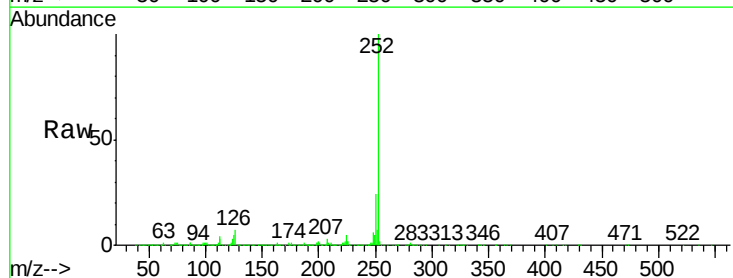
Instrument :
BNA_G
ClientSampleId :
SSTD02014

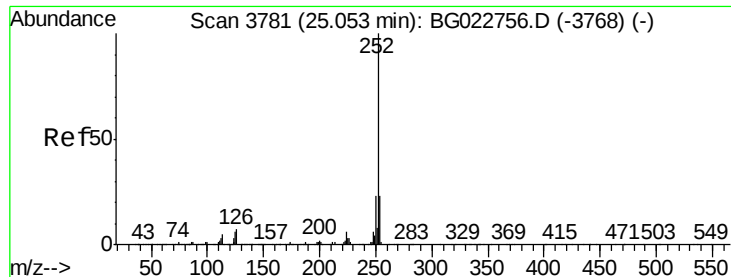
Tot Ion:252 Resp: 1325468
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 5.7 10.8 16.2#



#86
Benzo(k)fluoranthene
Concen: 20.27 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.00 min
Lab File: BG022790.D
Acq: 2 Jul 2016 12:28

Tgt Ion:252 Resp: 1279944
Ion Ratio Lower Upper
252 100
253 23.8 15.8 23.6#
125 4.9 10.6 16.0#





#88

Benzo(a)pyrene

Concen: 19.85 ng/ul

RT: 25.06 min Scan# 3782

Delta R.T. 0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

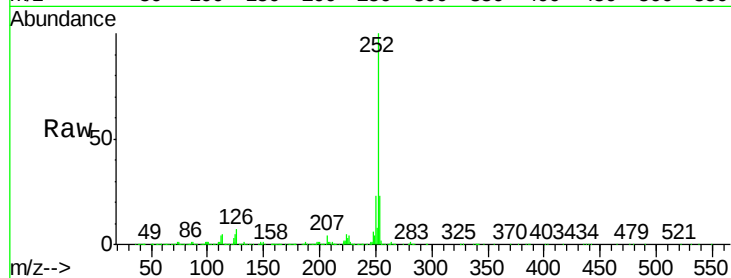
BNA_G

ClientSampleId :

SSTD02014

Tot Ion:252 Resp: 1267349

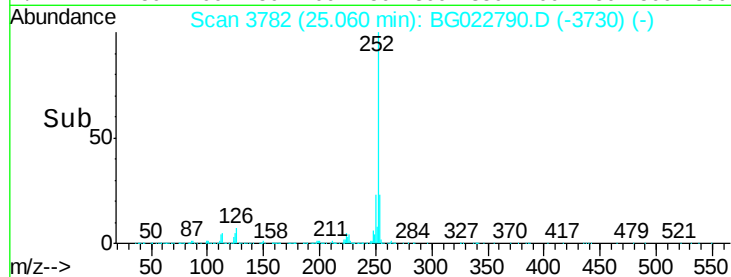
Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.0	28.4
125	5.1	12.0	18.0



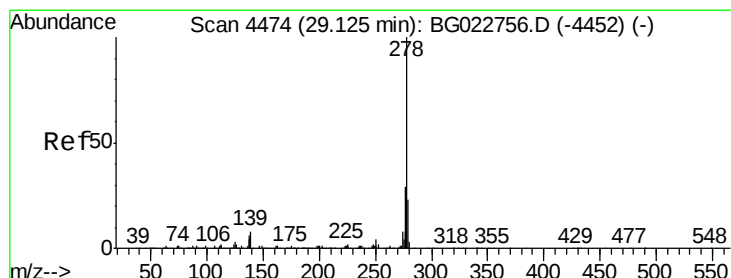
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 20.78 ng/ul

RT: 29.14 min Scan# 4477

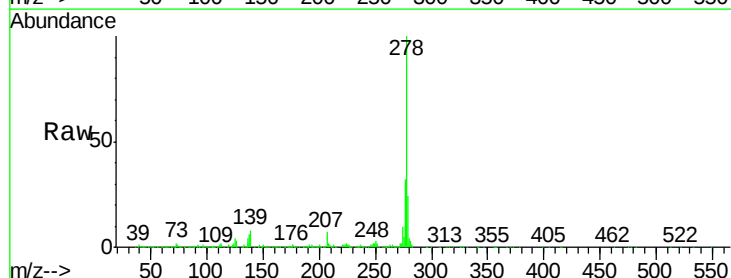
Delta R.T. 0.02 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Tgt Ion:278 Resp: 1159802

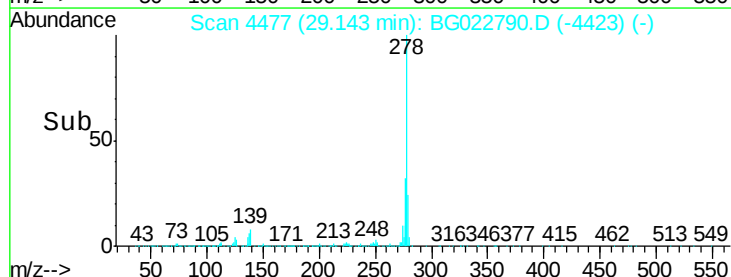
Ion	Ratio	Lower	Upper
278	100		
139	8.2	16.3	24.5
279	24.0	19.1	28.7



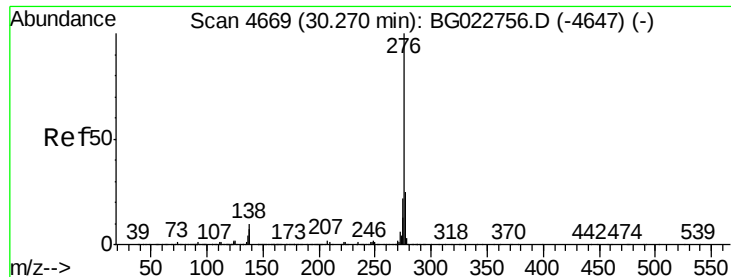
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(a,h,i)perylene

Concen: 22.46 ng/ul

RT: 30.27 min Scan# 4668

Delta R.T. -0.01 min

Lab File: BG022790.D

Acq: 2 Jul 2016 12:28

Instrument :

BNA_G

ClientSampleId :

SSTD02014

Tot Ion:276 Resp: 1188581

Ion Ratio Lower Upper

276 100

138 9.5 22.1 33.1#

277 23.9 17.0 25.4

