

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081016\
 Data File : BG023589.D
 Acq On : 10 Aug 2016 12:08
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

Quant Time: Aug 11 03:53:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 05:01:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	133959	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	594093	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	421306	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1021466	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1041136	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	983363	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	24719	7.85	ng/uL	0.00
5) Phenol-d5	7.27	99	262492	19.45	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	170156	19.68	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	178547	19.39	ng/ul	-0.03
13) 4-Methylphenol-d8	8.83	113	208098	19.75	ng/ul	-0.02
19) Nitrobenzene-d5	9.37	128	122	0.03	ng/ul	0.06
22) 2-Nitrophenol-d4	10.02	143	110545	20.55	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	210048	20.70	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.08	131	267051	22.44	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	689656	19.99	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	804035	20.71	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.99	143	115229	19.57	ng/ul	-0.01
57) Fluorene-d10	15.78	176	638887	20.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	130547	19.92	ng/ul	0.00
70) Anthracene-d10	17.65	188	975495	21.20	ng/ul	0.00
76) Pyrene-d10	19.94	212	1089589	20.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.02	264	939443	21.11	ng/ul	0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.52	88	27102	8.20 ng/uL#	91
4) Benzaldehyde	7.24	77	175884	21.38 ng/ul	85
6) Phenol	7.29	94	271664	19.33 ng/ul#	75
8) Bis(2-Chloroethyl)ether	7.52	93	202012	19.80 ng/ul	88
10) 2-Chlorophenol	7.67	128	182035	19.41 ng/ul#	84
11) 2-Methylphenol	8.56	108	200834	18.98 ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	8.65	45	279659	20.03 ng/ul	98
14) Acetophenone	8.94	105	338154	20.01 ng/ul#	78
15) N-Nitroso-di-n-propylamine	8.92	70	200256	19.70 ng/ul#	82
16) 4-Methylphenol	8.89	108	227075	19.14 ng/ul	98
17) Hexachloroethane	9.20	117	76513	18.91 ng/ul#	89
20) Nitrobenzene	9.33	77	274372	19.99 ng/ul#	80
21) Isophorone	9.85	82	519422	20.57 ng/ul#	92
23) 2-Nitrophenol	10.05	139	113791	19.60 ng/ul#	50
24) 2,4-Dimethylphenol	10.10	107	262953	20.64 ng/ul	87
25) Bis(2-Chloroethoxy)methane	10.34	93	299083	20.54 ng/ul	97
27) 2,4-Dichlorophenol	10.60	162	207361	20.27 ng/ul	95
28) Naphthalene	11.00	128	627019	20.79 ng/ul	97
30) 4-Chloroaniline	11.11	127	265159	22.45 ng/ul	96
31) Hexachlorobutadiene	11.28	225	137412	20.17 ng/ul	97
33) 4-Chloro-3-methylphenol	12.24	107	266990	20.28 ng/ul#	83
34) 2-Methylnaphthalene	12.61	142	497164	20.33 ng/ul	91
36) 1,2,4,5-Tetrachlorobenzene	12.97	216	272188	21.04 ng/ul	98

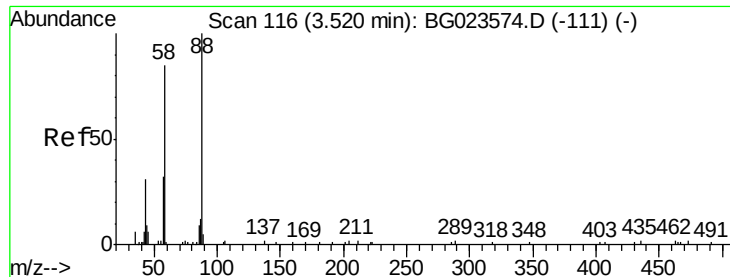
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081016\
 Data File : BG023589.D
 Acq On : 10 Aug 2016 12:08
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Hexachlorocyclopentadiene	12.95	237	138387	19.34	ng/ul	92
38) 2,4,6-Trichlorophenol	13.22	196	189328	21.13	ng/ul	96
39) 2,4,5-Trichlorophenol	13.29	196	196245	20.43	ng/ul	94
40) 1,1'-Biphenyl	13.61	154	661647	21.37	ng/ul	96
41) 2-Chloronaphthalene	13.66	162	514171	21.36	ng/ul	97
44) Dimethylphthalate	14.22	163	684078	20.03	ng/ul	98
45) 2,6-Dinitrotoluene	14.36	165	147045	19.86	ng/ul#	80
47) Acenaphthylene	14.50	152	855347	21.07	ng/ul	99
48) 3-Nitroaniline	14.69	138	146656	21.06	ng/ul#	57
49) Acenaphthene	14.84	153	558170	20.18	ng/ul	92
50) 2,4-Dinitrophenol	14.90	184	80749	17.67	ng/ul#	89
52) 4-Nitrophenol	15.01	109	108574	18.41	ng/ul#	72
53) Dibenzofuran	15.18	168	832569	20.31	ng/ul	89
54) 2,4-Dinitrotoluene	15.15	165	221018	19.70	ng/ul#	76
55) 2,3,4,6-Tetrachlorophenol	15.41	232	194060	19.67	ng/ul	99
56) Diethylphthalate	15.59	149	705881	19.77	ng/ul	95
58) Fluorene	15.84	166	677500	19.84	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.82	204	343310	19.99	ng/ul	94
60) 4-Nitroaniline	15.86	138	169945	21.05	ng/ul#	72
63) 4,6-Dinitro-2-methylphenol	15.92	198	142770	20.75	ng/ul#	95
64) N-Nitrosodiphenylamine	16.04	169	618869	21.68	ng/ul	95
65) 4-Bromophenyl-phenylether	16.72	248	244010	20.83	ng/ul	94
66) Hexachlorobenzene	16.85	284	258360	20.70	ng/ul	93
67) Atrazine	16.99	200	246753	20.93	ng/ul	94
68) Pentachlorophenol	17.20	266	131819	19.14	ng/ul	94
69) Phenanthrene	17.59	178	1128377	21.33	ng/ul	99
71) Anthracene	17.68	178	1160056	21.49	ng/ul	99
72) Carbazole	17.96	167	1020463	23.46	ng/ul	99
73) Di-n-butylphthalate	18.50	149	1202169	22.07	ng/ul#	96
74) Fluoranthene	19.60	202	1312109	24.23	ng/ul	95
77) Pyrene	19.97	202	1343990	20.88	ng/ul	95
78) Butylbenzylphthalate	20.85	149	527651	21.37	ng/ul#	83
79) 3,3'-Dichlorobenzidine	21.76	252	412161	22.47	ng/ul#	98
80) Benzo(a)anthracene	21.85	228	1226845	20.92	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	724380	22.07	ng/ul#	98
82) Chrysene	21.92	228	1118111	20.97	ng/ul	95
84) Di-n-octyl phthalate	23.00	149	1182029	23.80	ng/ul	100
85) Benzo(b)fluoranthene	24.18	252	1196162	21.39	ng/ul#	94
86) Benzo(k)fluoranthene	24.25	252	1155015	20.98	ng/ul#	90
88) Benzo(a)pyrene	25.11	252	1148209	21.26	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	29.15	276	1324589	20.87	ng/ul#	87
91) Benzo(g,h,i)perylene	30.37	276	1089370	20.71	ng/ul#	85

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



#2

1,4-Dioxane

Concen: 8.20 ng/uL

RT: 3.52 min Scan# 116

Delta R.T. -0.01 min

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BNA_G

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SSTD02022

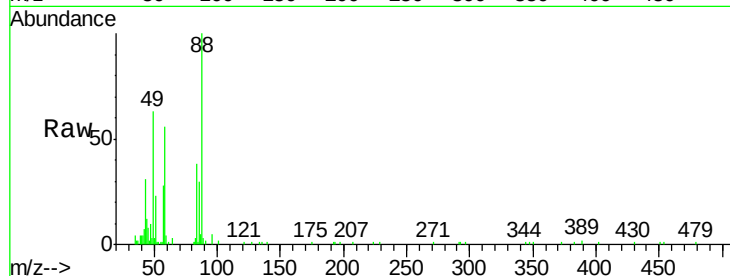
Tgt Ion: 88 Resp: 27102

Ion Ratio Lower Upper

88 100

43 31.1 16.6 24.8#

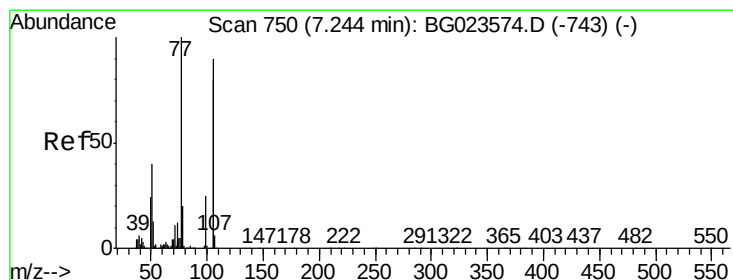
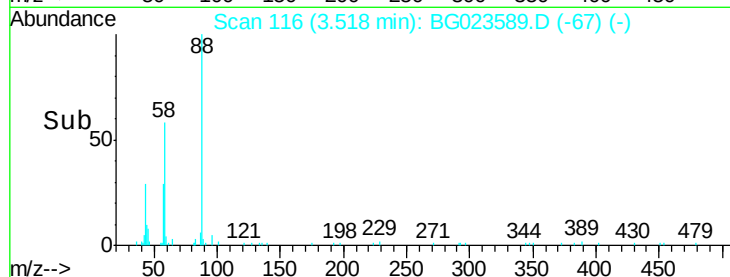
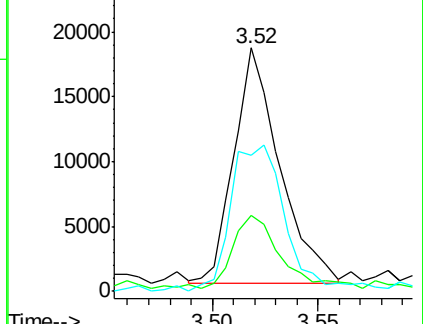
58 56.1 47.2 70.8



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: 21.38 ng/uL

RT: 7.24 min Scan# 750

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

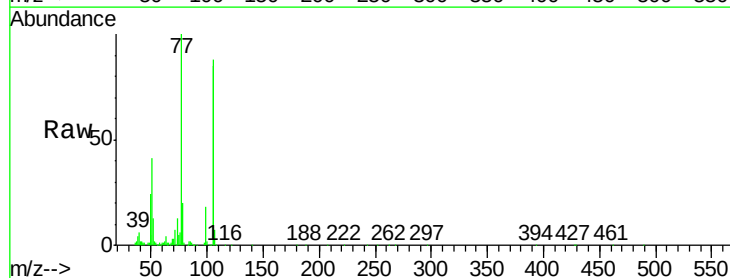
Tgt Ion: 77 Resp: 175884

Ion Ratio Lower Upper

77 100

105 87.9 83.8 125.8

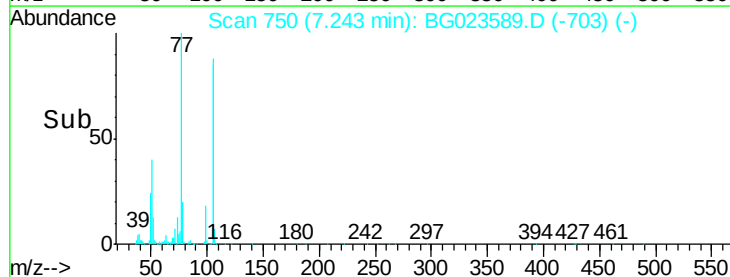
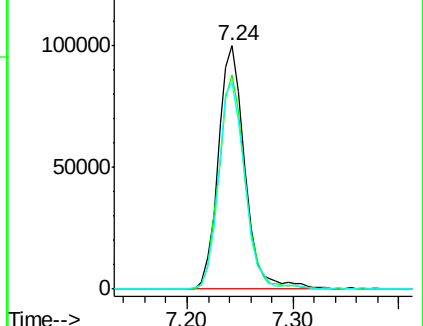
106 84.8 77.9 116.9

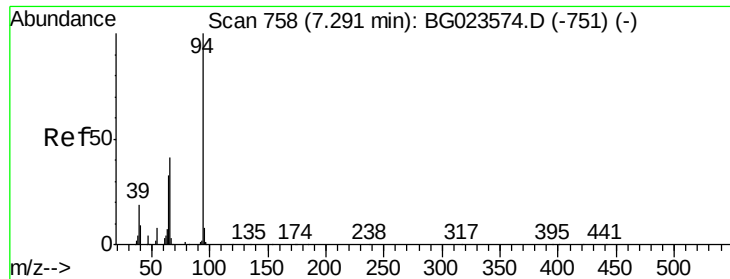


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 19.33 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. -0.03 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

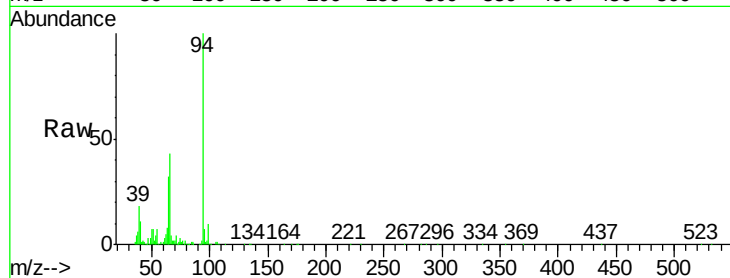
Tgt Ion: 94 Resp: 271664

Ion Ratio Lower Upper

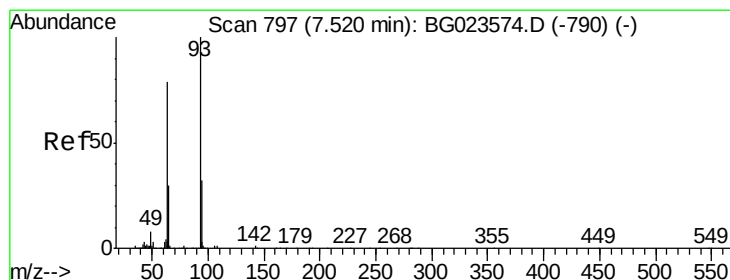
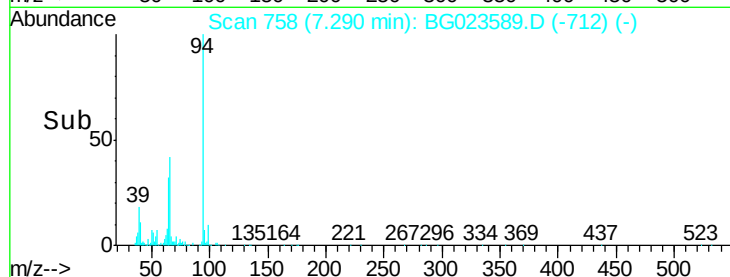
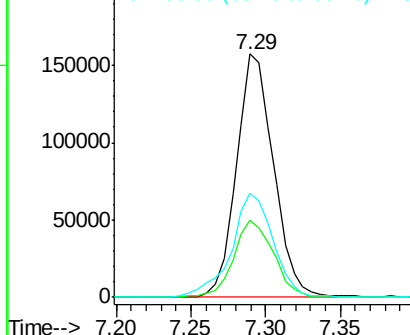
94 100

65 31.5 16.8 25.2#

66 42.6 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: 19.80 ng/ul

RT: 7.52 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

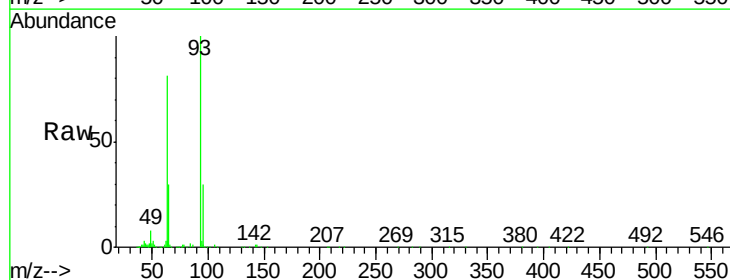
Tgt Ion: 93 Resp: 202012

Ion Ratio Lower Upper

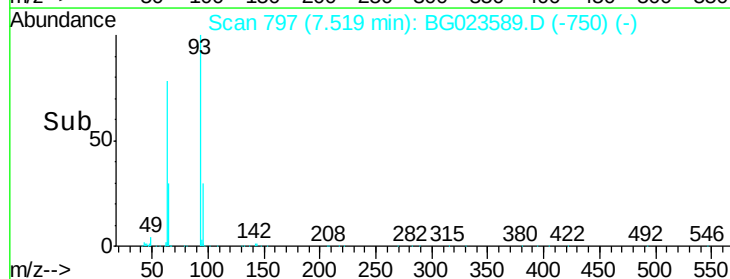
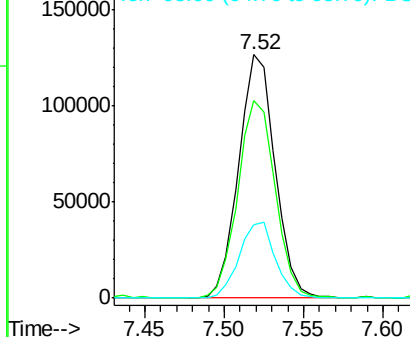
93 100

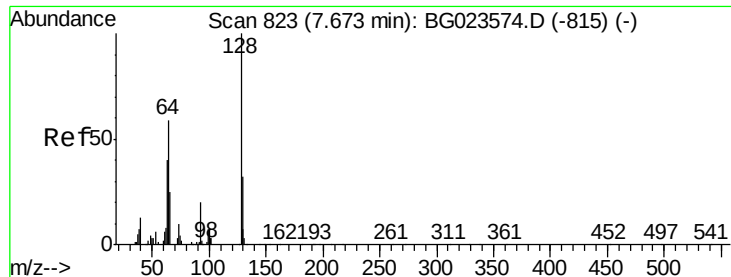
63 81.1 56.0 84.0

95 30.2 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

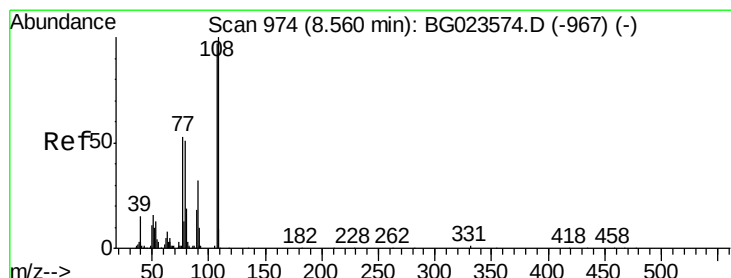
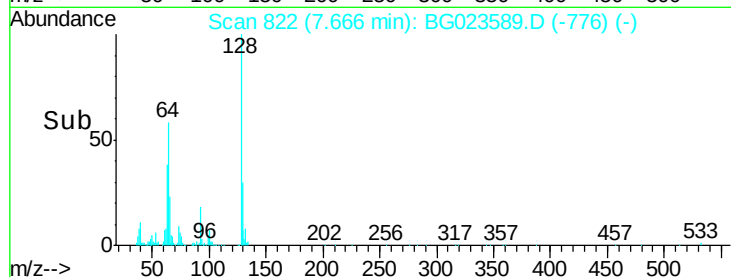
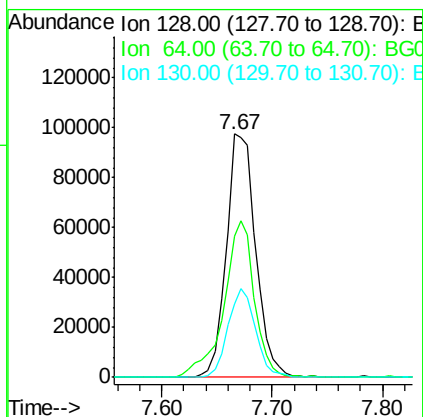
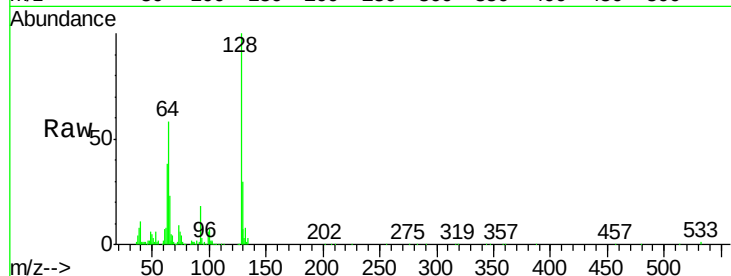




#10
2-Chlorophenol
Concen: 19.41 ng/ul
RT: 7.67 min Scan# 822
Delta R.T. -0.03 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

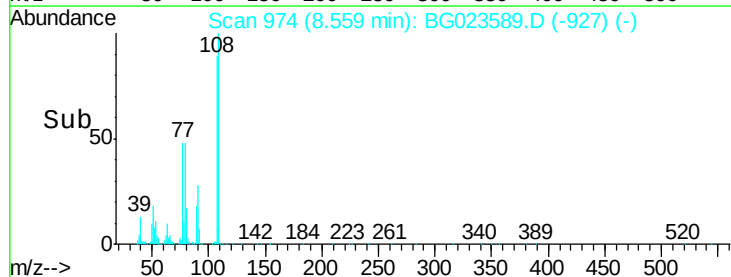
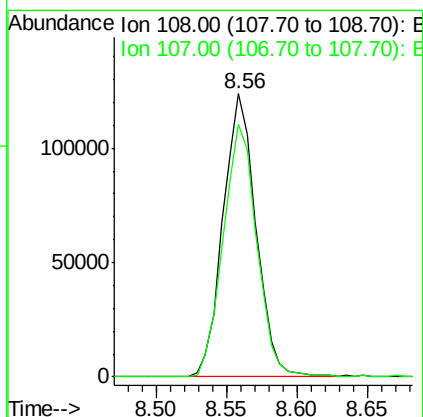
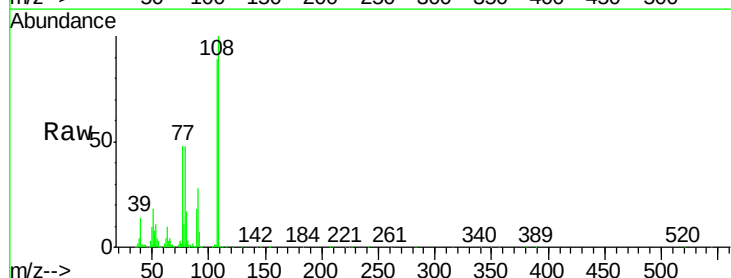
Instrument :
BNA_G
ClientSampleId :
SSTD02022

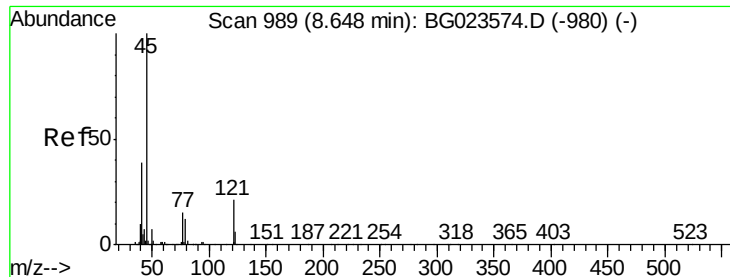
Tgt Ion:128 Resp: 182035
Ion Ratio Lower Upper
128 100
64 57.8 34.2 51.4#
130 30.0 27.0 40.4



#11
2-Methylphenol
Concen: 18.98 ng/ul
RT: 8.56 min Scan# 974
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:108 Resp: 200834
Ion Ratio Lower Upper
108 100
107 89.4 78.6 117.8

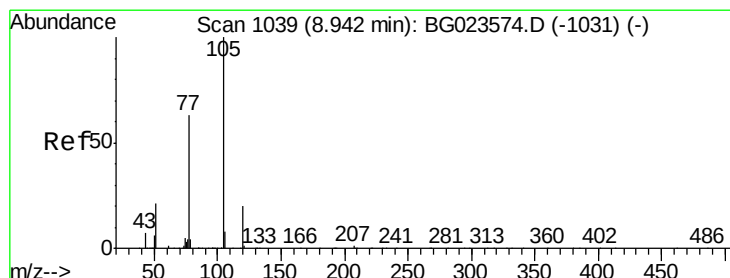
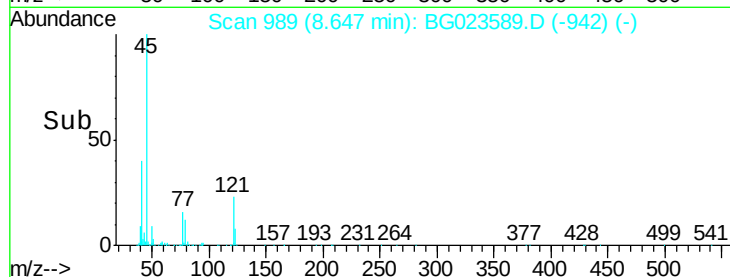
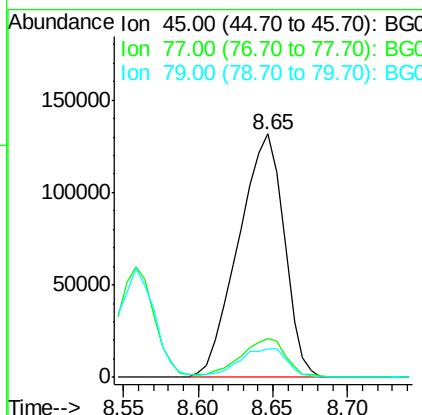
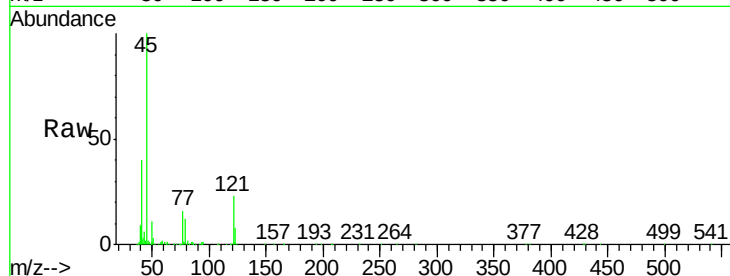




#12
2,2'-oxybis(1-chloropropane)
Concen: 20.03 ng/ul
RT: 8.65 min Scan# 989
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

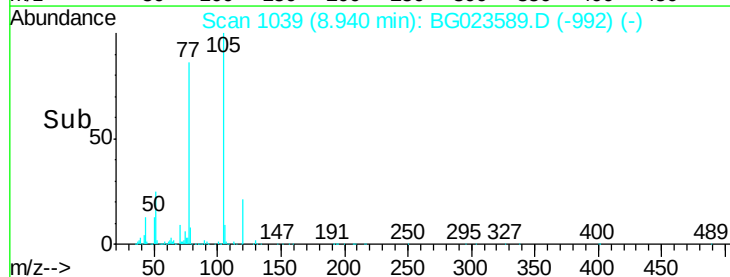
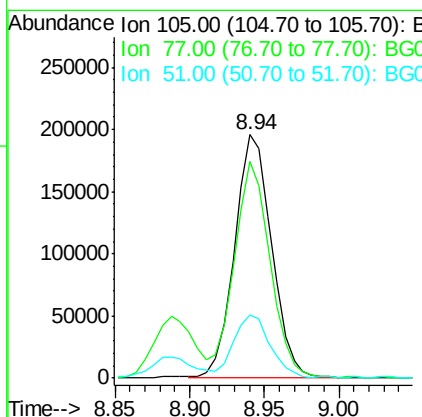
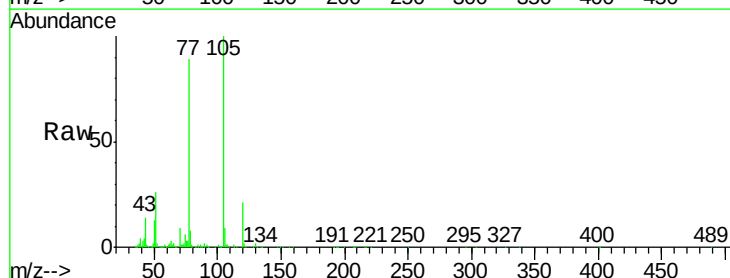
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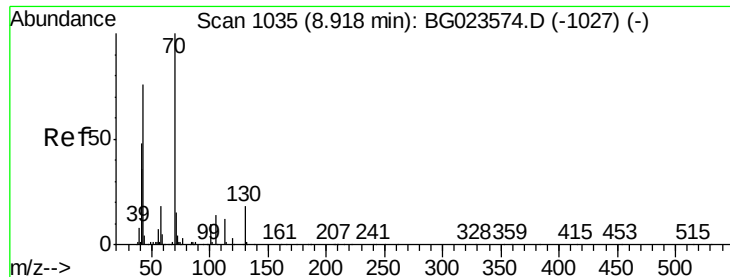
Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.2	13.4	20.2
79	11.5	10.2	15.4



#14
Acetophenone
Concen: 20.01 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
77	89.2	56.1	84.1#
51	26.0	14.6	22.0#

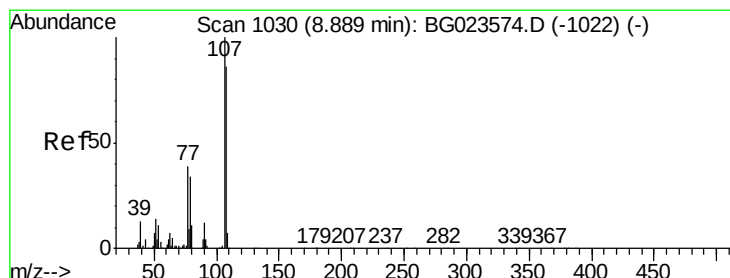
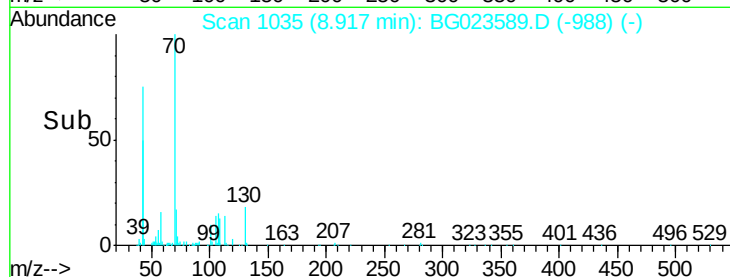
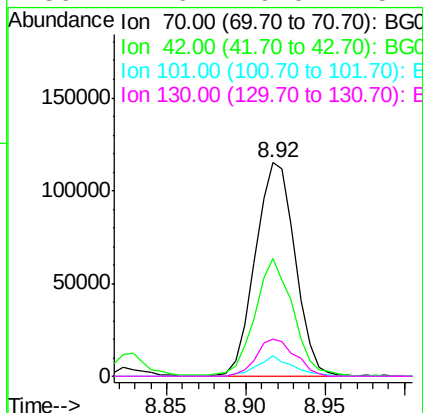
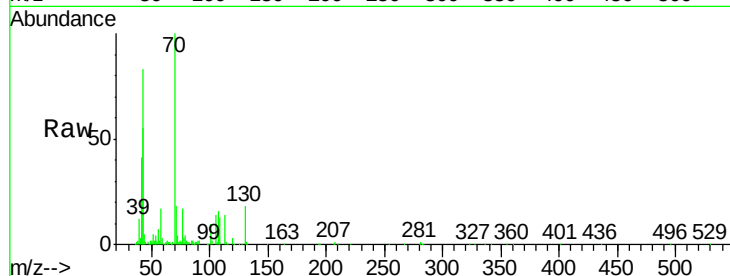




#15
N-Nitroso-di-n-propylamine
Concen: 19.70 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

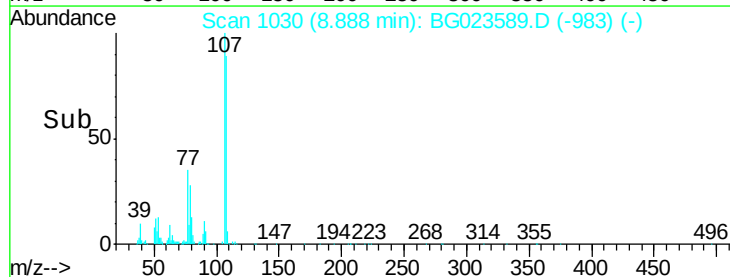
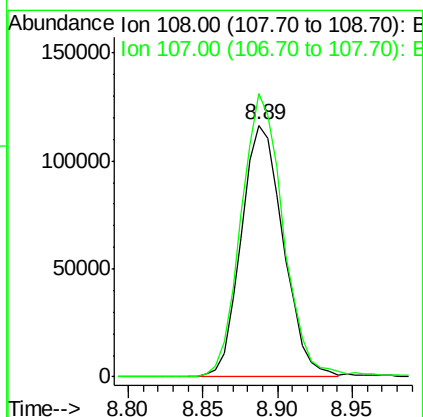
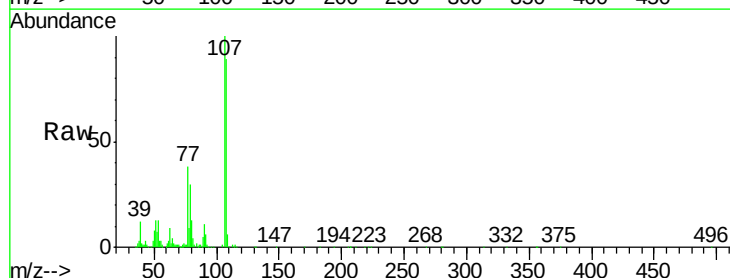
Instrument :
BNA_G
ClientSampleId :
SSTD02022

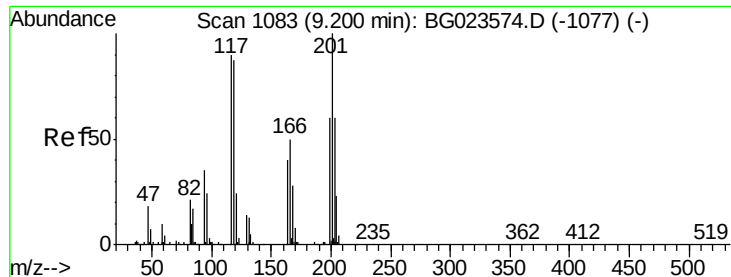
Tgt Ion:	70	Resp:	200256
Ion	Ratio	Lower	Upper
70	100		
42	55.4	31.4	47.2#
101	9.8	8.6	13.0
130	17.6	19.0	28.4#



#16
4-Methylphenol
Concen: 19.14 ng/ul
RT: 8.89 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:	108	Resp:	227075
Ion	Ratio	Lower	Upper
108	100		
107	112.5	88.3	132.5





#17

Hexachloroethane

Concen: 18.91 ng/ul

RT: 9.20 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

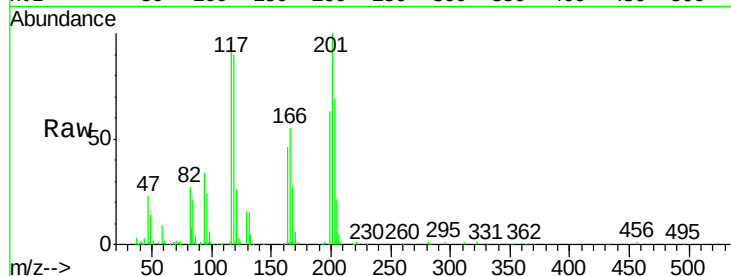
Tgt Ion:117 Resp: 76513

Ion Ratio Lower Upper

117 100

201 103.9 76.8 115.2

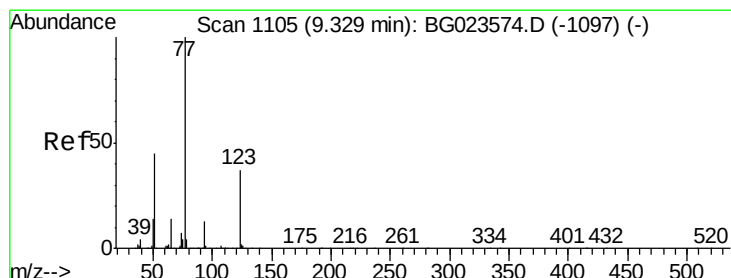
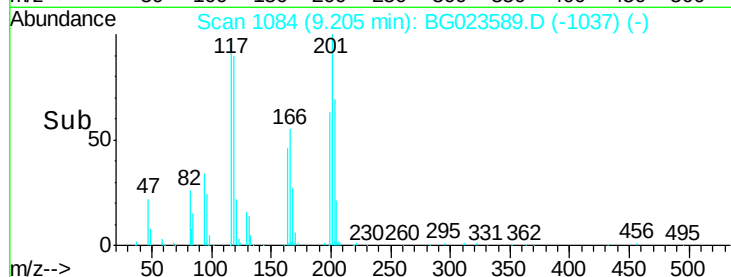
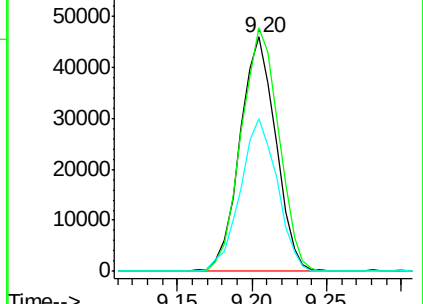
199 65.4 43.5 65.3#



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: 19.99 ng/ul

RT: 9.33 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

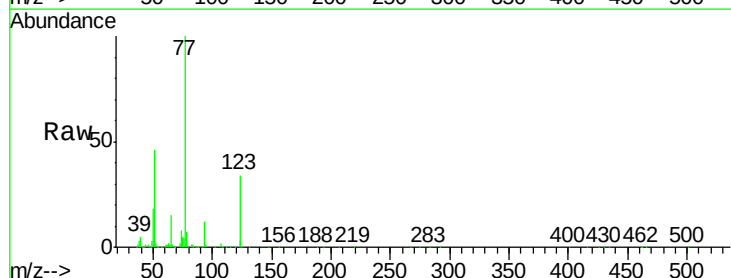
Tgt Ion: 77 Resp: 274372

Ion Ratio Lower Upper

77 100

123 34.4 39.5 59.3#

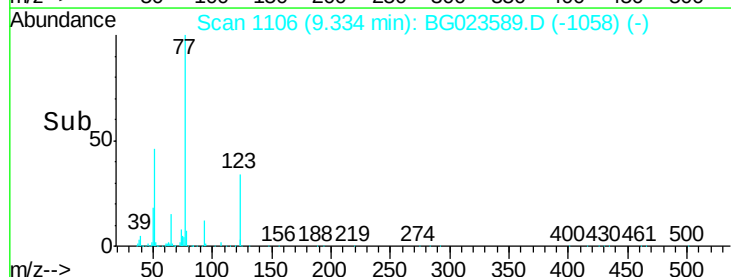
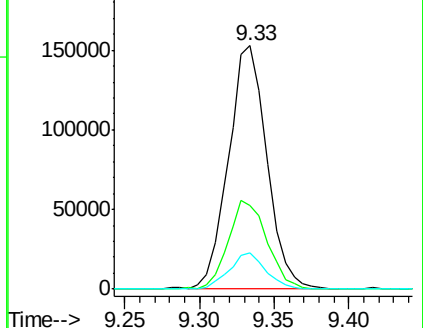
65 14.8 9.0 13.4#

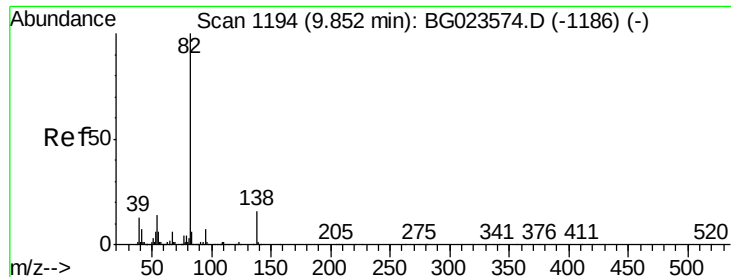


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 20.57 ng/ul

RT: 9.85 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

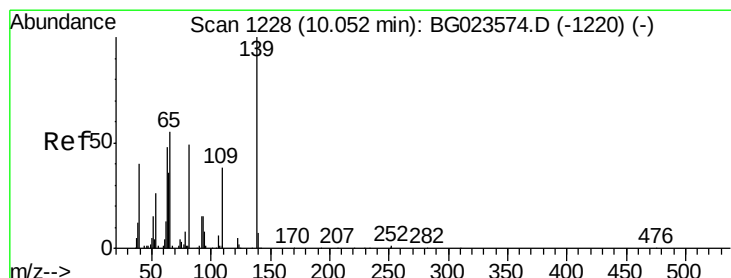
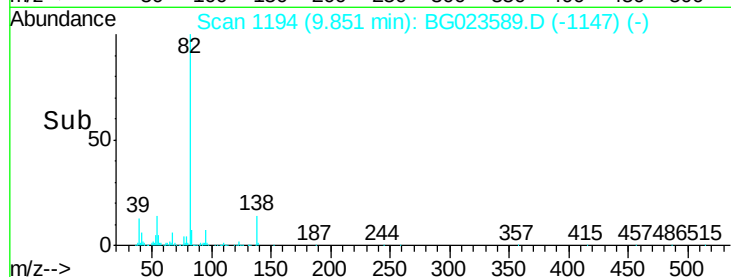
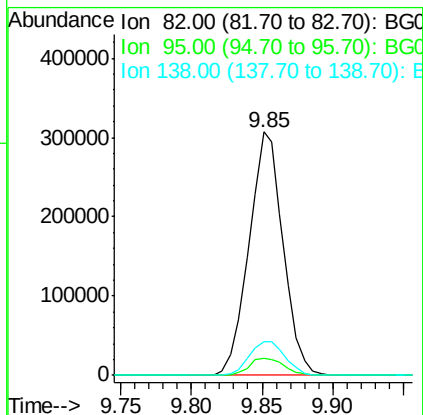
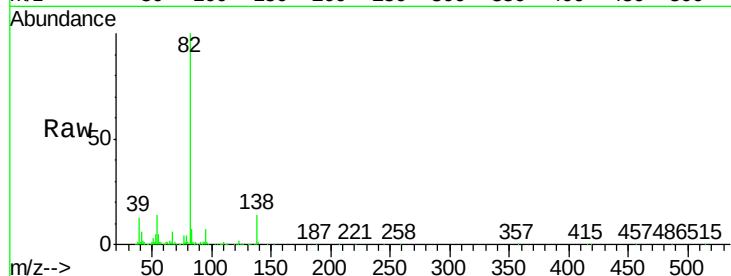
Tgt Ion: 82 Resp: 519422

Ion Ratio Lower Upper

82 100

95 6.9 5.1 7.7

138 13.9 15.0 22.6#



#23

2-Nitrophenol

Concen: 19.60 ng/ul

RT: 10.05 min Scan# 1228

Delta R.T. -0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

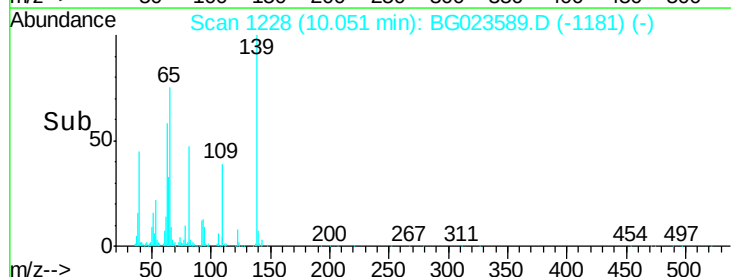
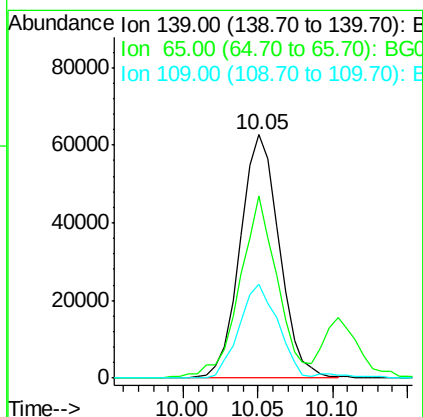
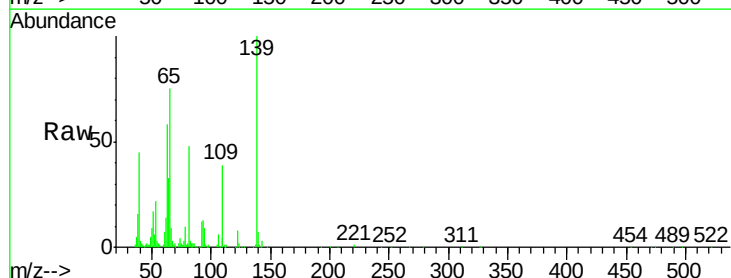
Tgt Ion: 139 Resp: 113791

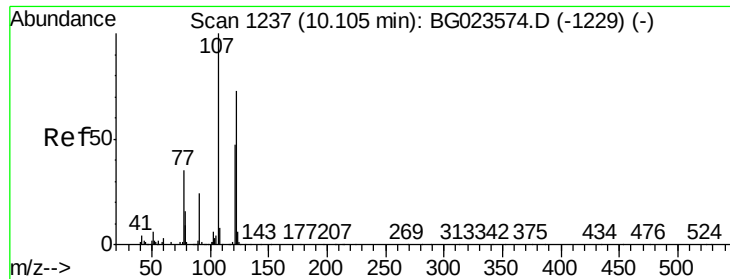
Ion Ratio Lower Upper

139 100

65 75.1 31.8 47.8#

109 38.5 17.1 25.7#

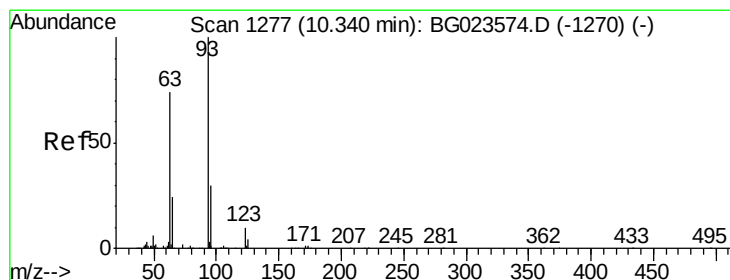
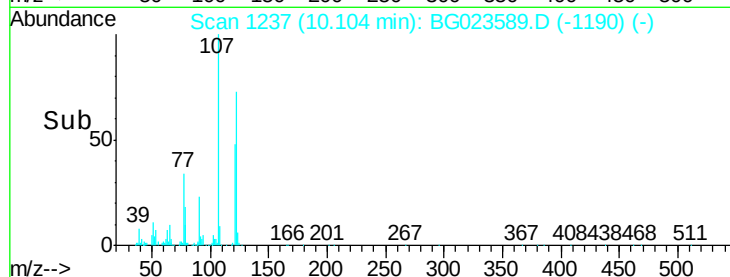
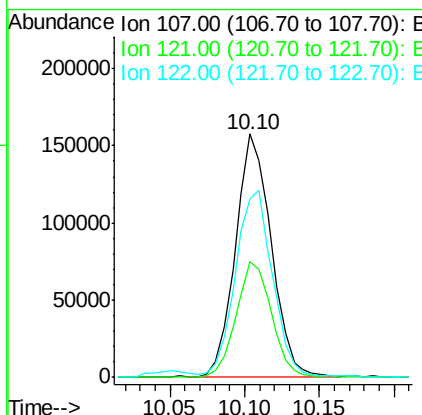
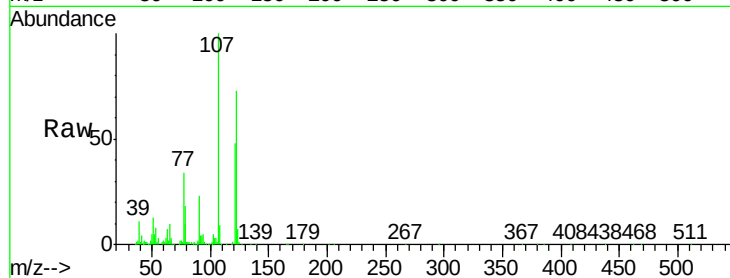




#24
2,4-Dimethylphenol
Concen: 20.64 ng/ul
RT: 10.10 min Scan# 1237
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

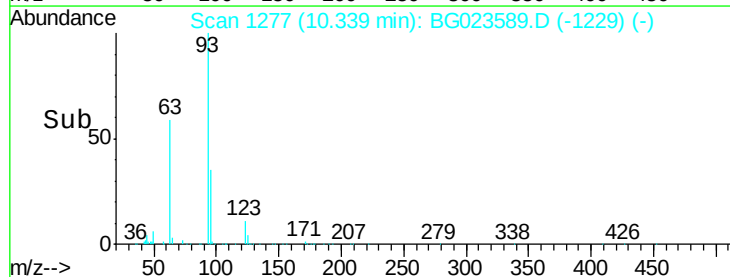
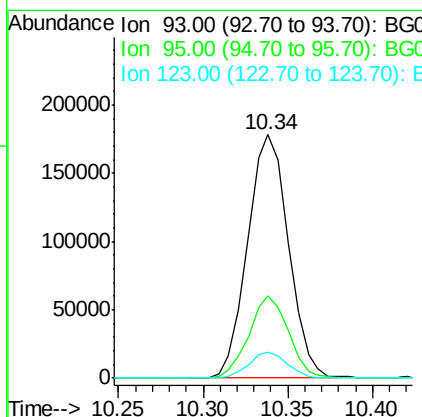
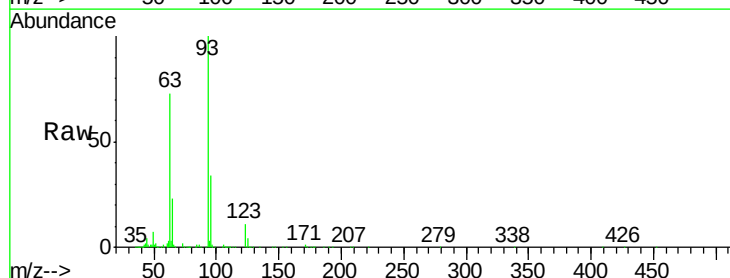
Instrument :
BNA_G
ClientSampleId :
SSTD02022

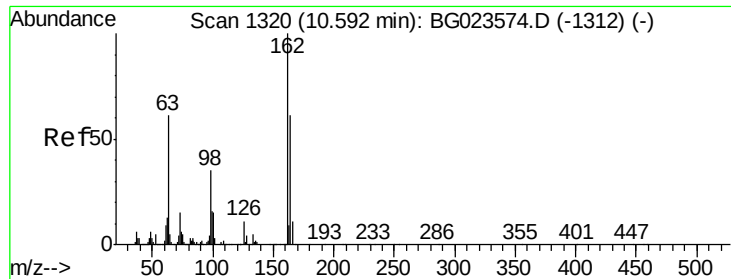
Tgt Ion: 107 Resp: 262953
Ion Ratio Lower Upper
107 100
121 47.7 43.7 65.5
122 73.5 70.3 105.5



#25
Bis(2-Chloroethoxy)methane
Concen: 20.54 ng/ul
RT: 10.34 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion: 93 Resp: 299083
Ion Ratio Lower Upper
93 100
95 33.6 26.0 39.0
123 10.9 10.1 15.1

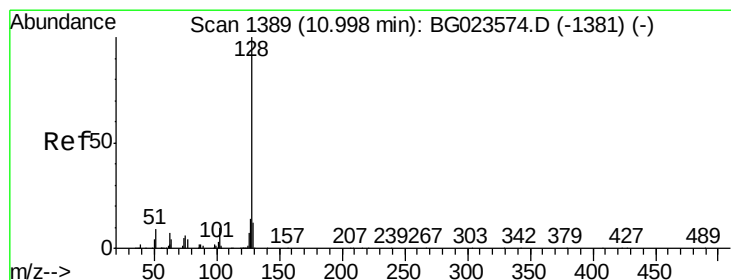
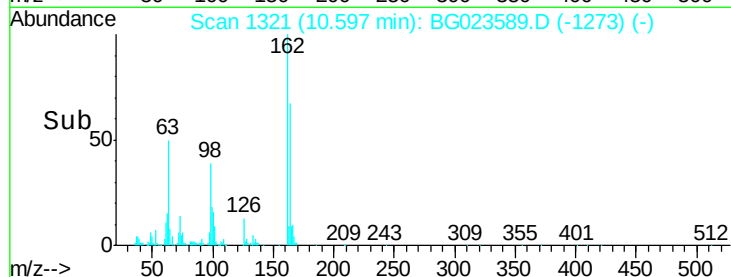
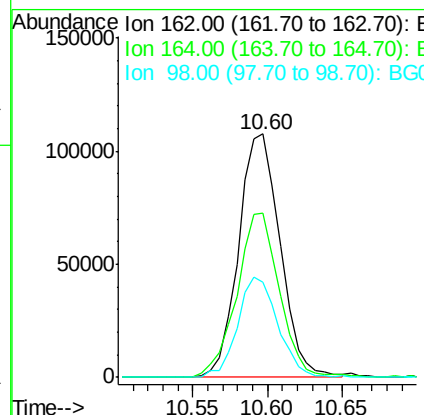
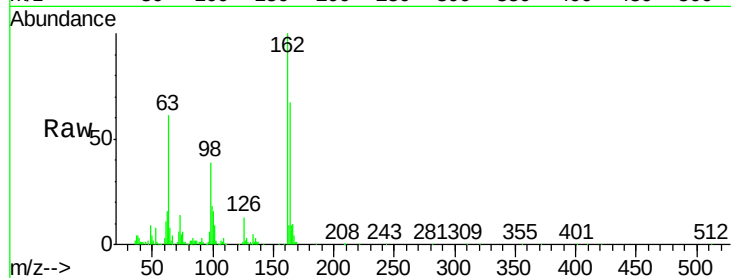




#27
 2,4-Dichlorophenol
 Concen: 20.27 ng/ul
 RT: 10.60 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

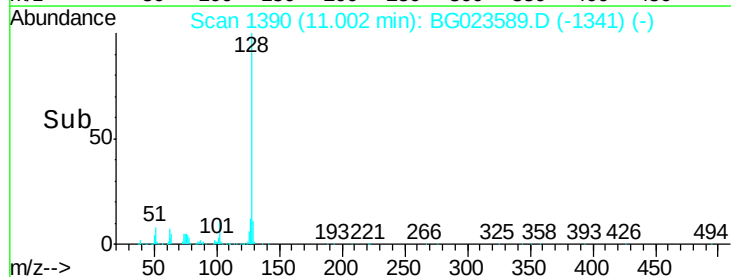
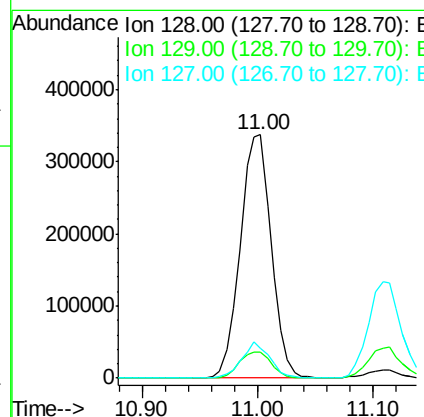
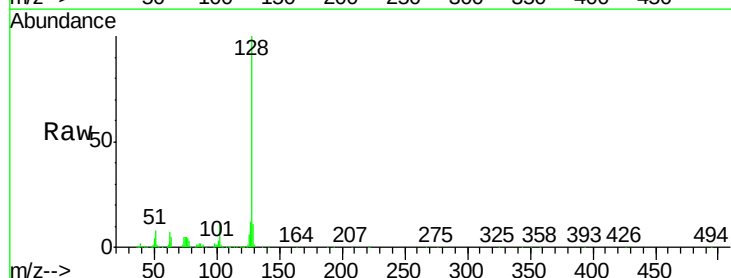
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

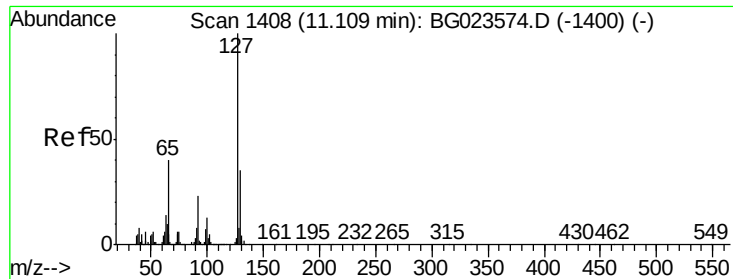
Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.4	51.6	77.4
98	39.1	28.3	42.5



#28
 Naphthalene
 Concen: 20.79 ng/ul
 RT: 11.00 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	12.3	11.2	16.8

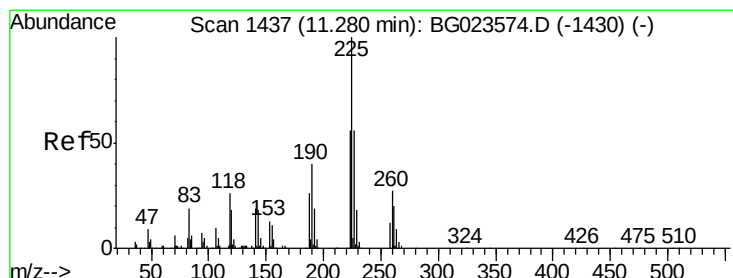
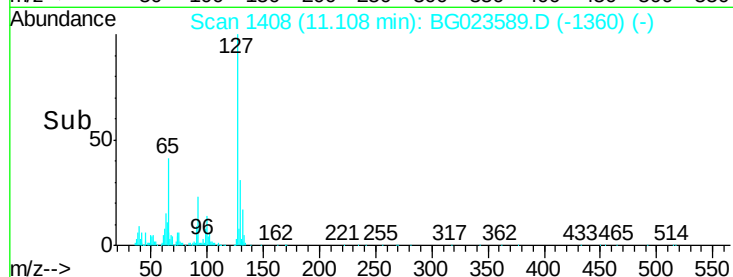
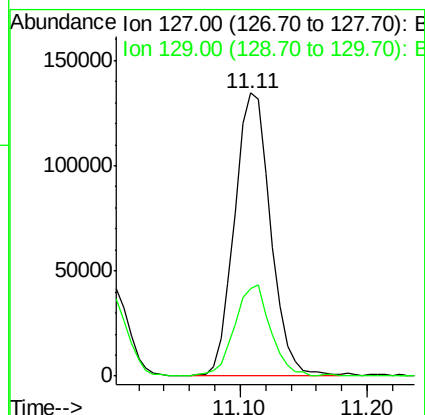
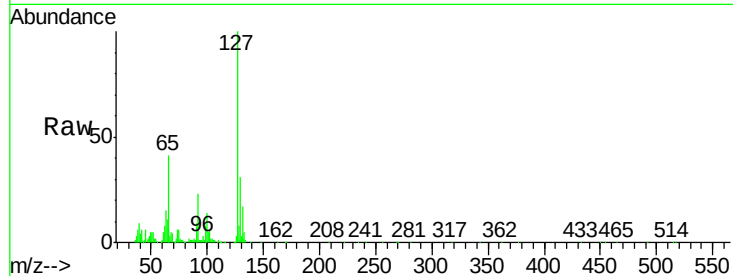




#30
4-Chloroaniline
Concen: 22.45 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

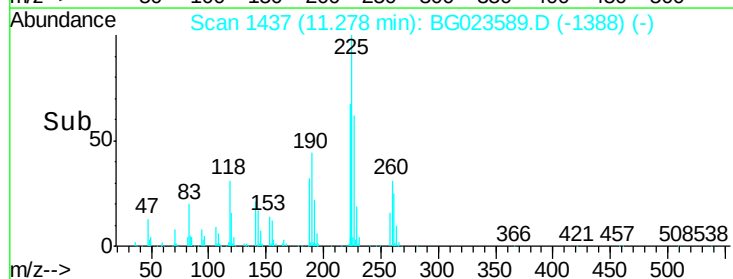
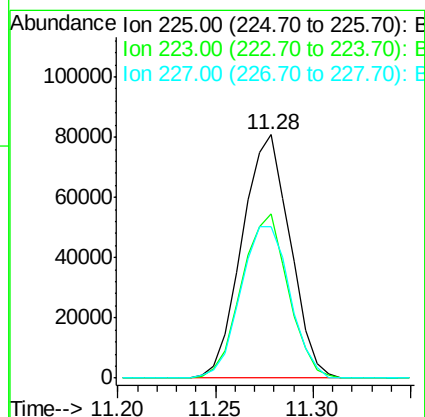
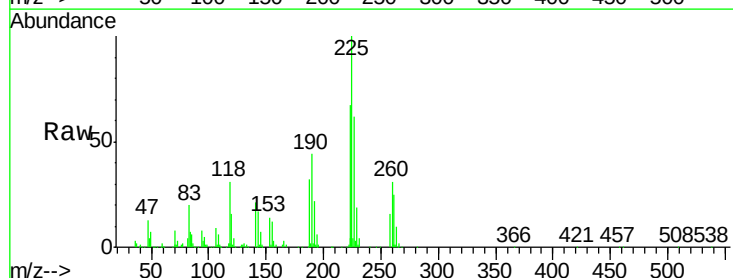
Instrument :
BNA_G
ClientSampleId :
SSTD02022

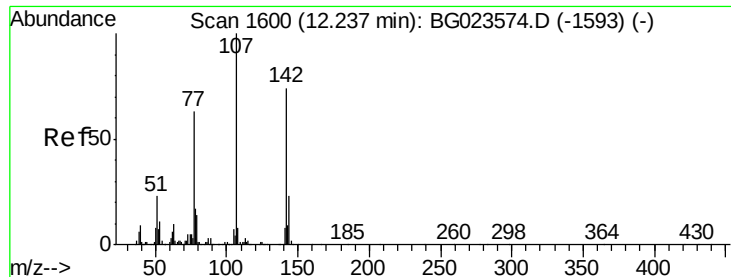
Tgt Ion:127 Resp: 265159
Ion Ratio Lower Upper
127 100
129 31.1 26.9 40.3



#31
Hexachlorobutadiene
Concen: 20.17 ng/ul
RT: 11.28 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:225 Resp: 137412
Ion Ratio Lower Upper
225 100
223 67.3 54.7 82.1
227 62.0 52.2 78.4

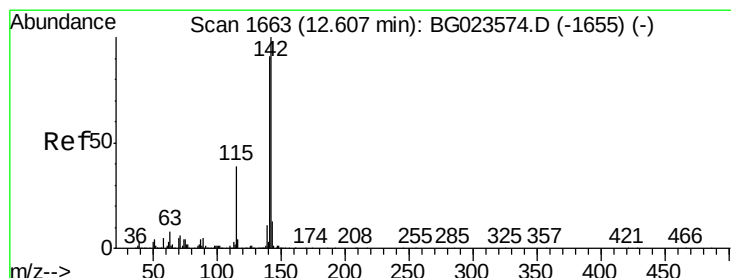
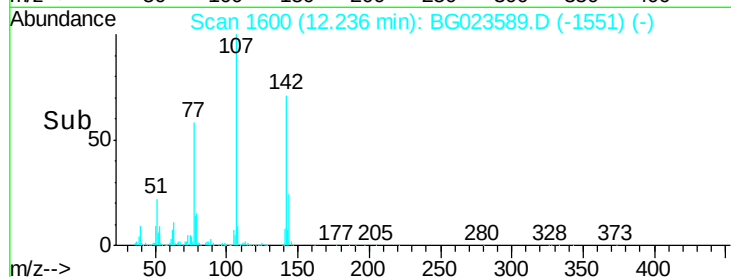
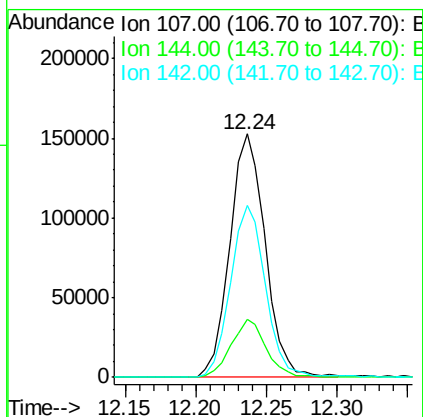
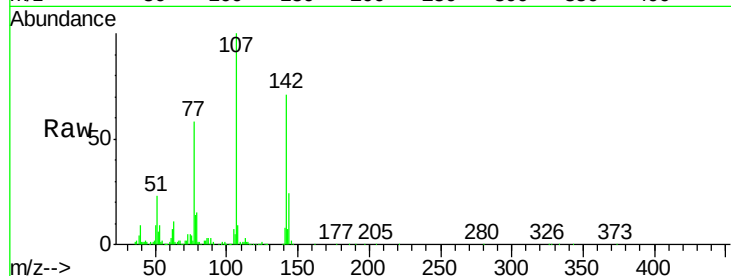




#33
 4-Chloro-3-methylphenol
 Concen: 20.28 ng/ul
 RT: 12.24 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

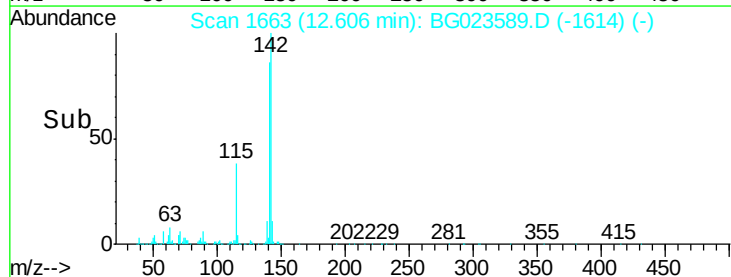
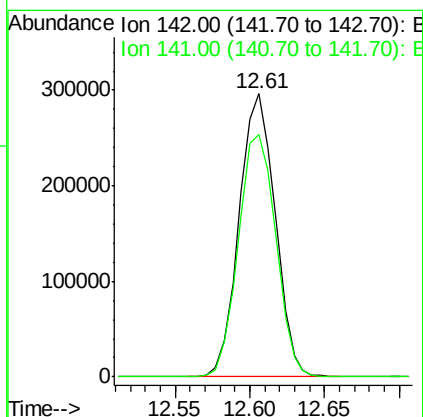
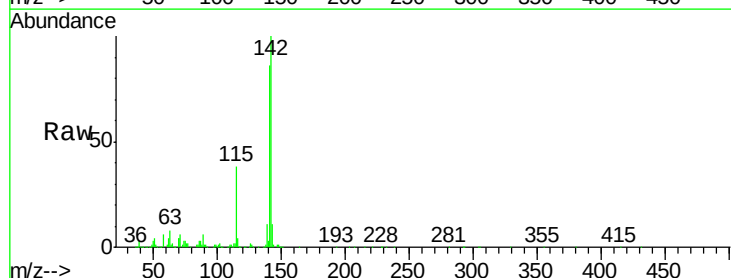
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

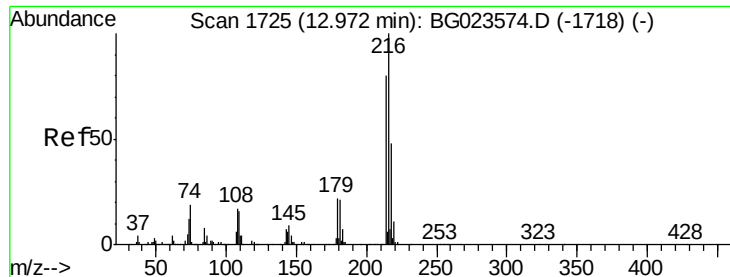
Tgt Ion:107 Resp: 266990
 Ion Ratio Lower Upper
 107 100
 144 24.1 22.7 34.1
 142 70.8 71.6 107.4#



#34
 2-Methylnaphthalene
 Concen: 20.33 ng/ul
 RT: 12.61 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion:142 Resp: 497164
 Ion Ratio Lower Upper
 142 100
 141 85.7 75.2 112.8

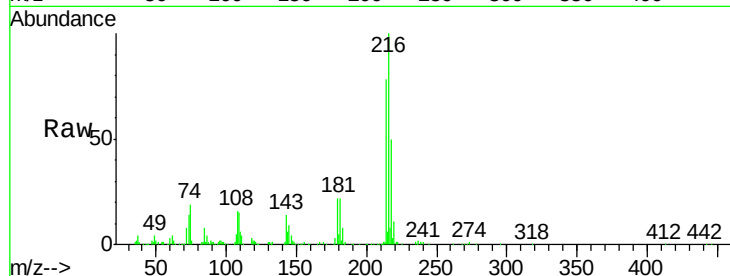




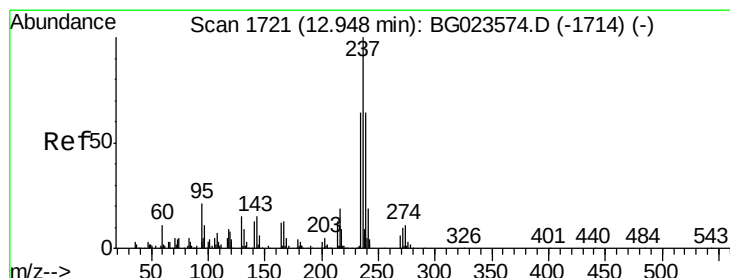
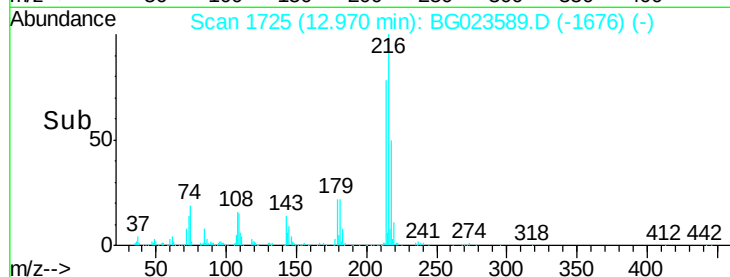
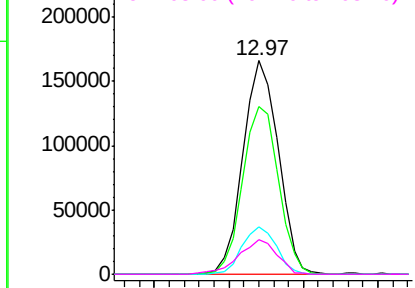
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 21.04 ng/ul
 RT: 12.97 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

Tgt Ion:	216	Resp:	272188
Ion	Ratio	Lower	Upper
216	100		
214	78.5	61.7	92.5
179	22.1	17.0	25.4
108	16.1	14.2	21.2

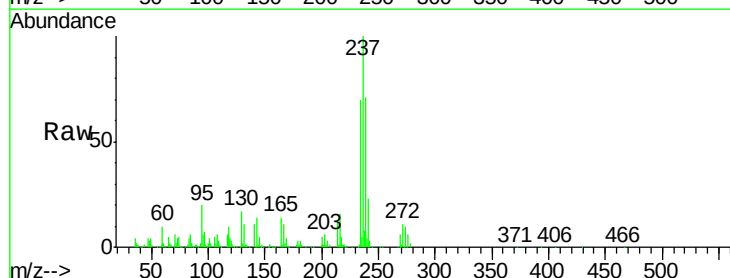


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

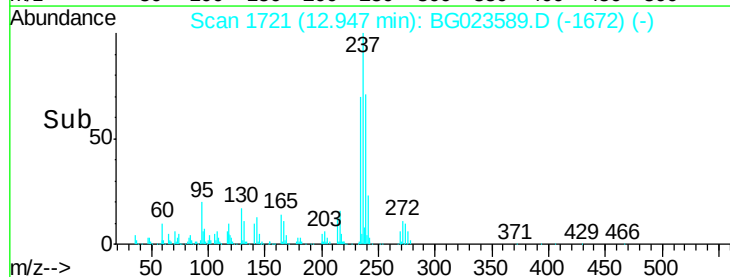
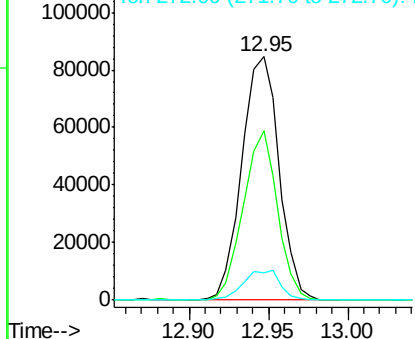


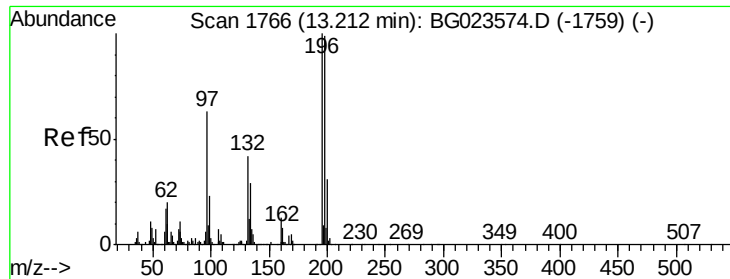
#37
 Hexachlorocyclopentadiene
 Concen: 19.34 ng/ul
 RT: 12.95 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion:	237	Resp:	138387
Ion	Ratio	Lower	Upper
237	100		
235	69.6	49.6	74.4
272	11.4	9.3	13.9



Abundance Ion 237.00 (236.70 to 237.70): E
 Ion 235.00 (234.70 to 235.70): E
 Ion 272.00 (271.70 to 272.70): E

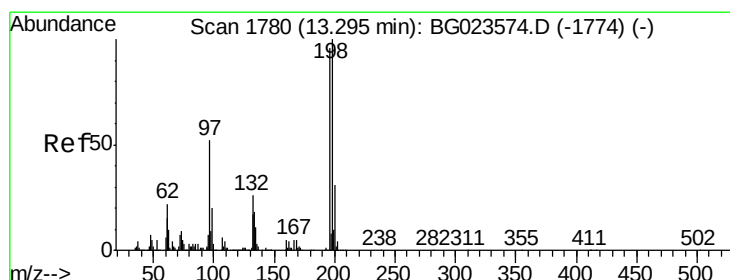
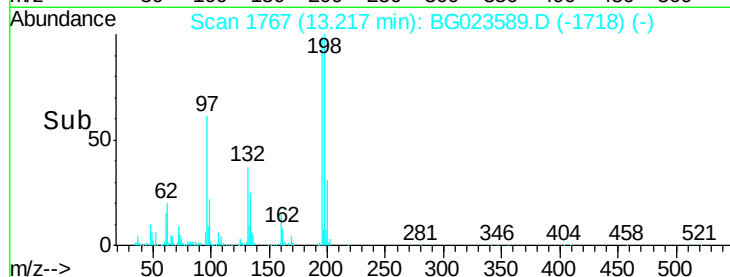
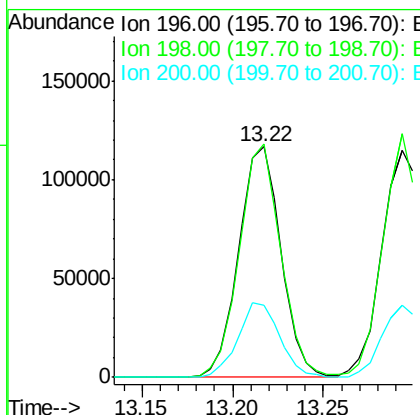
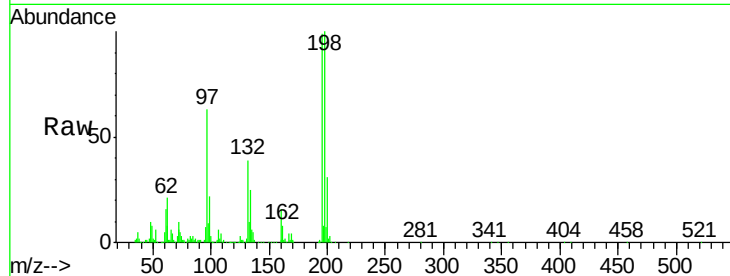




#38
2,4,6-Trichlorophenol
Concen: 21.13 ng/ul
RT: 13.22 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

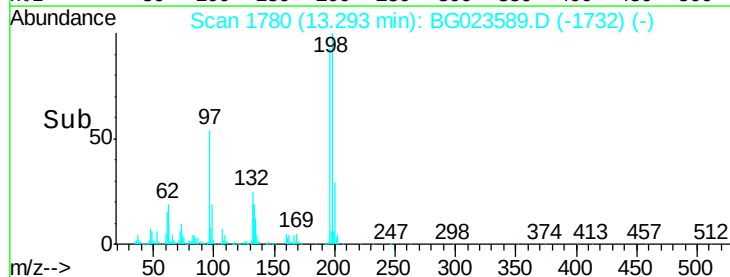
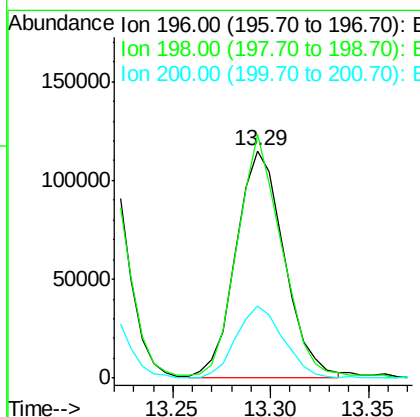
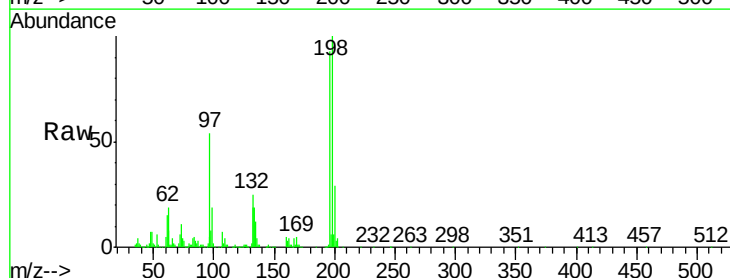
Instrument :
BNA_G
ClientSampleId :
SSTD02022

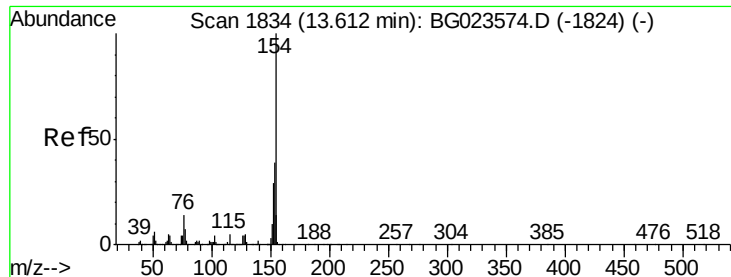
Tgt Ion:196 Resp: 189328
Ion Ratio Lower Upper
196 100
198 101.2 77.4 116.0
200 31.4 26.6 39.8



#39
2,4,5-Trichlorophenol
Concen: 20.43 ng/ul
RT: 13.29 min Scan# 1780
Delta R.T. -0.02 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:196 Resp: 196245
Ion Ratio Lower Upper
196 100
198 107.0 79.8 119.8
200 31.5 24.0 36.0

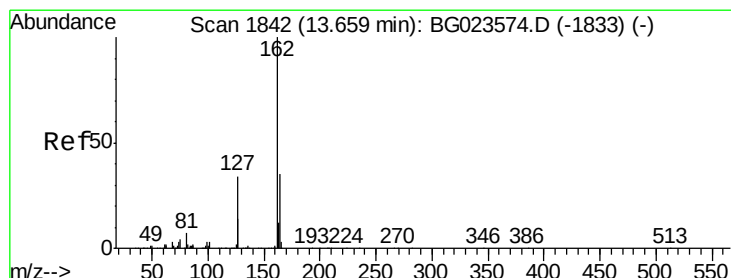
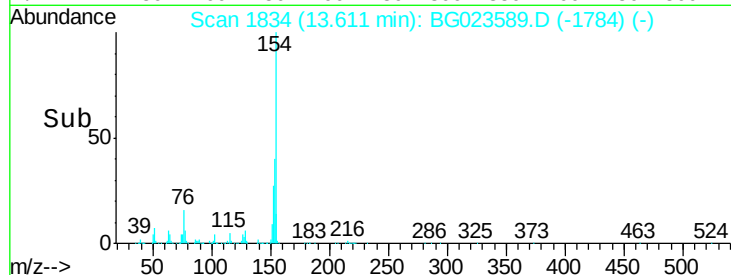
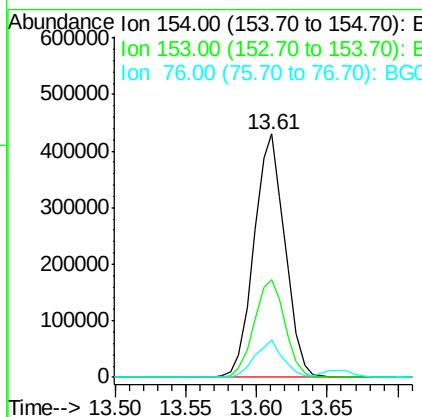
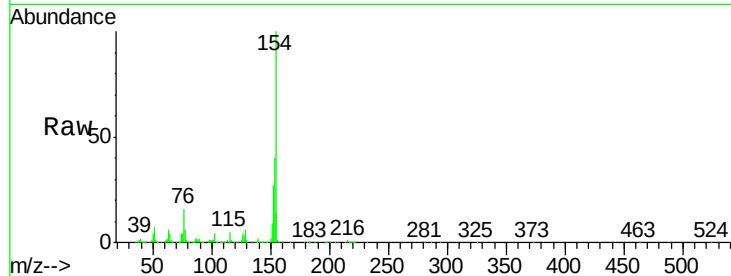




#40
1,1'-Biphenyl
Concen: 21.37 ng/ul
RT: 13.61 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

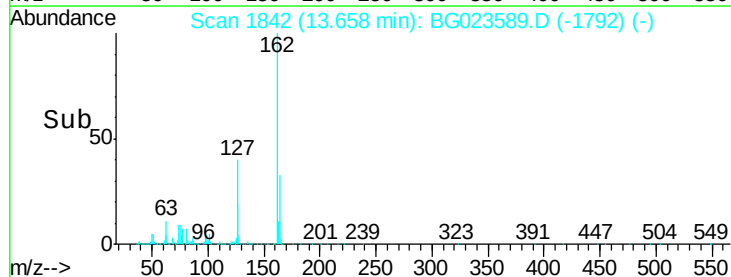
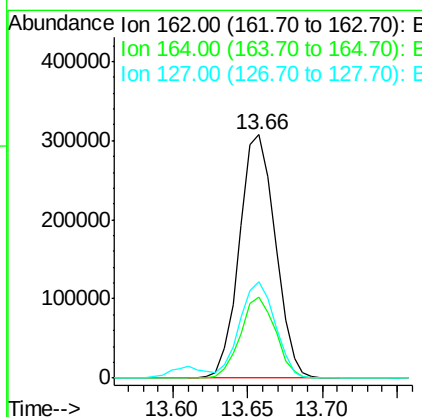
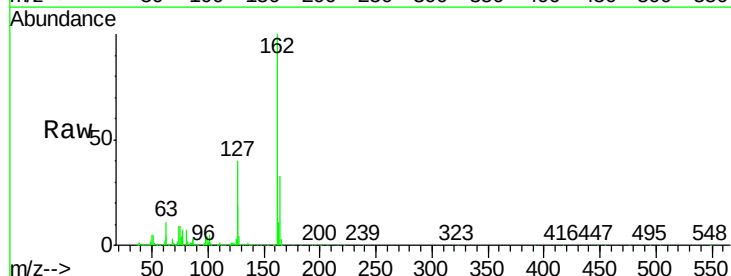
Instrument :
BNA_G
ClientSampleId :
SSTD02022

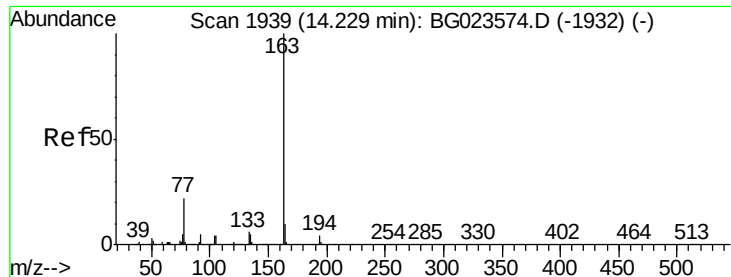
Tgt Ion:154 Resp: 661647
Ion Ratio Lower Upper
154 100
153 40.0 34.6 52.0
76 15.7 11.9 17.9



#41
2-Chloronaphthalene
Concen: 21.36 ng/ul
RT: 13.66 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:162 Resp: 514171
Ion Ratio Lower Upper
162 100
164 33.4 25.4 38.2
127 39.7 30.2 45.4

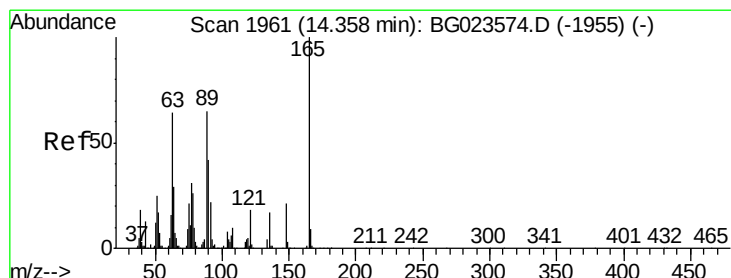
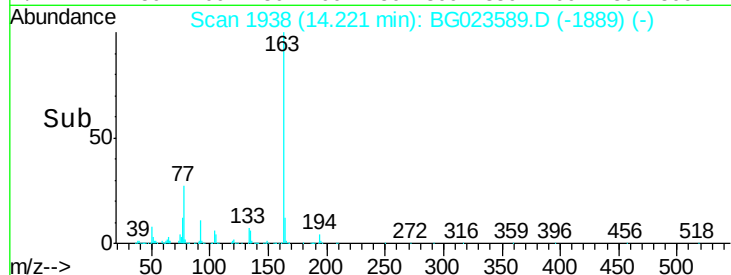
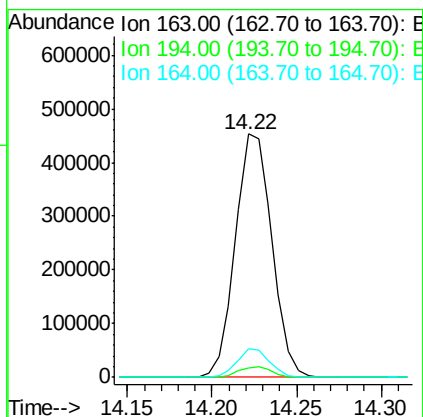
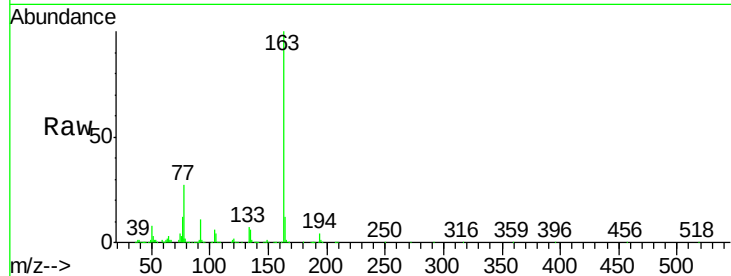




#44
Dimethylphthalate
Concen: 20.03 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

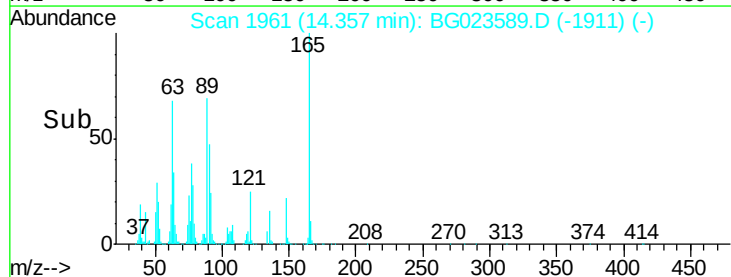
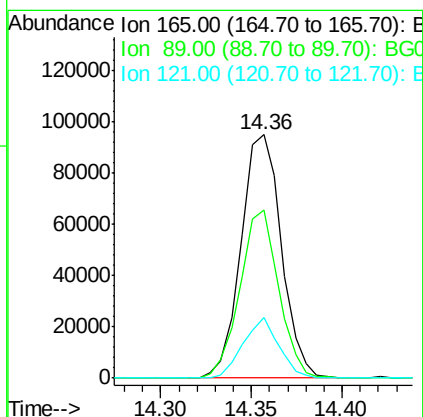
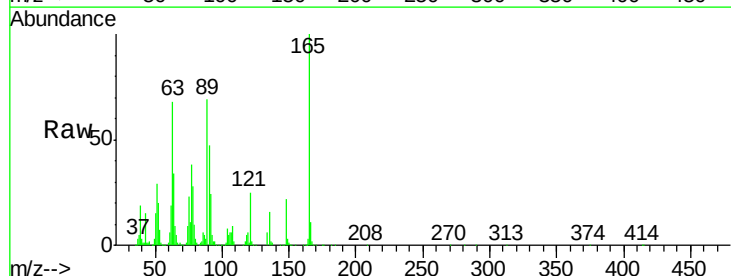
Instrument :
BNA_G
ClientSampleId :
SSTD02022

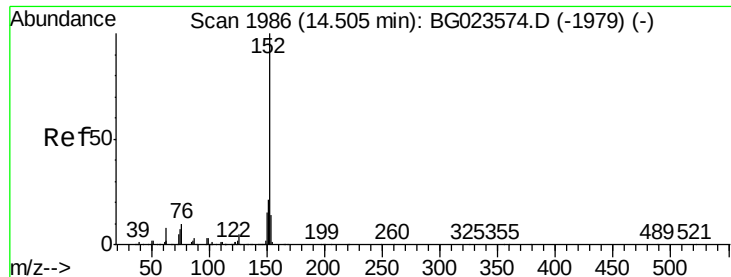
Tgt Ion:163 Resp: 684078
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 11.6 8.8 13.2



#45
2,6-Dinitrotoluene
Concen: 19.86 ng/ul
RT: 14.36 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:165 Resp: 147045
Ion Ratio Lower Upper
165 100
89 69.2 41.5 62.3#
121 24.8 17.0 25.4





#47

Acenaphthylene

Concen: 21.07 ng/ul

RT: 14.50 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

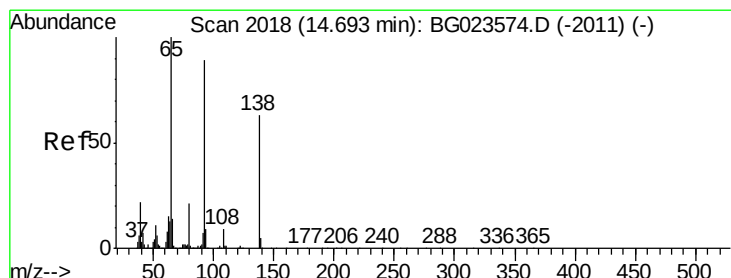
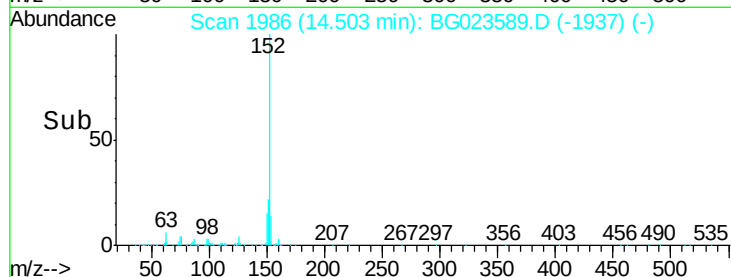
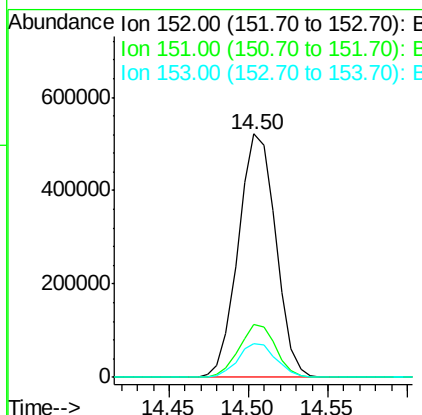
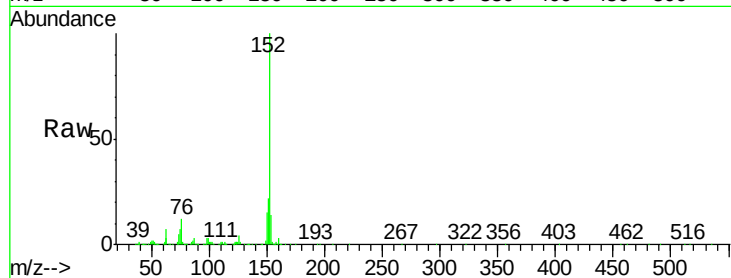
Instrument :

BNA_G

ClientSampleId :

SSTD02022

Tgt Ion:	152	Resp:	855347
Ion Ratio		Lower	Upper
152	100		
151	21.5	17.5	26.3
153	13.7	11.1	16.7



#48

3-Nitroaniline

Concen: 21.06 ng/ul

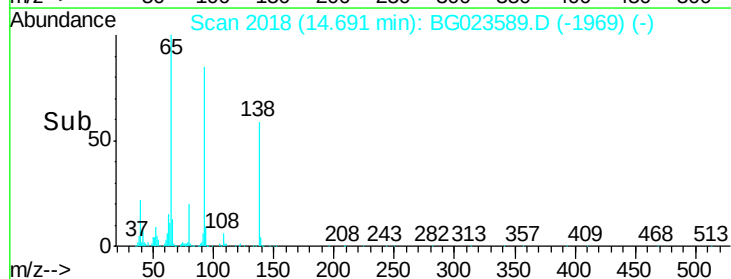
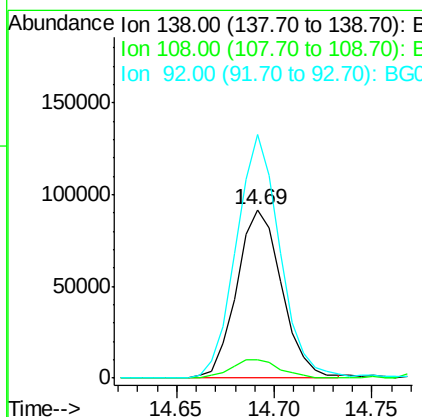
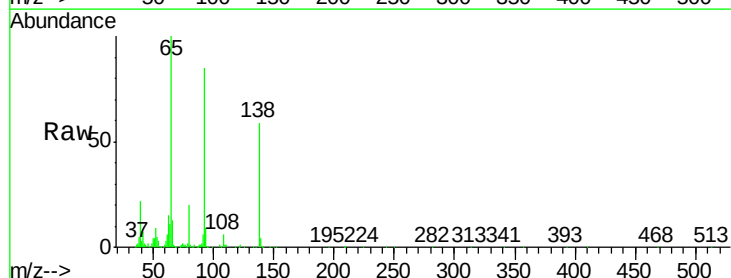
RT: 14.69 min Scan# 2018

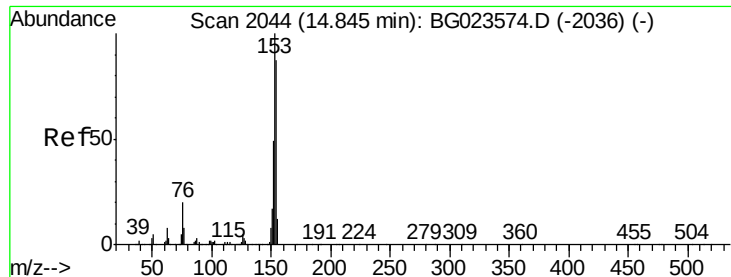
Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Tgt Ion:	138	Resp:	146656
Ion Ratio		Lower	Upper
138	100		
108	11.0	6.2	9.2#
92	144.5	79.3	118.9#





#49

Acenaphthene

Concen: 20.18 ng/ul

RT: 14.84 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

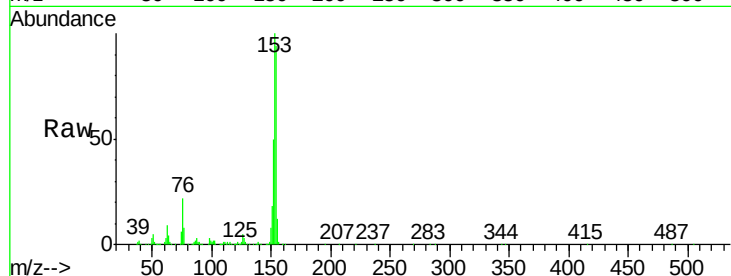
Tgt Ion:153 Resp: 558170

Ion Ratio Lower Upper

153 100

152 49.8 37.3 55.9

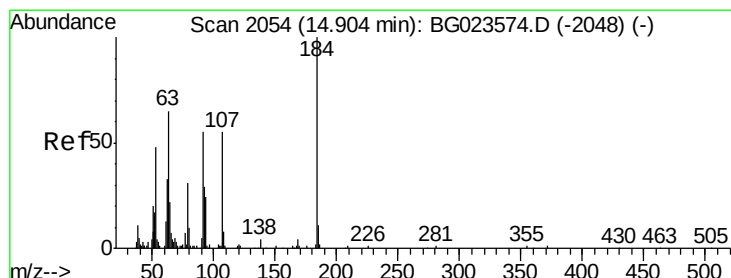
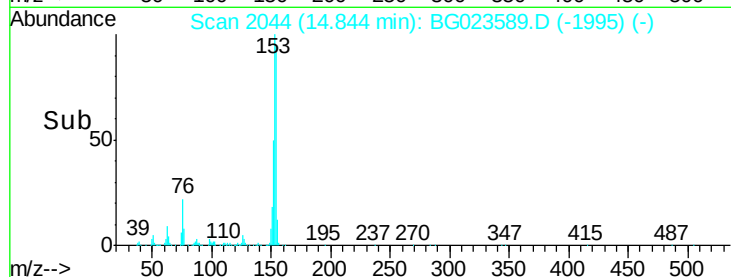
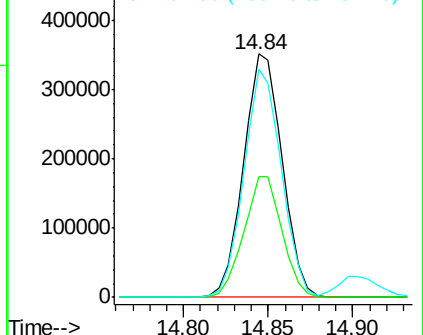
154 93.7 68.2 102.2



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: 17.67 ng/ul

RT: 14.90 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

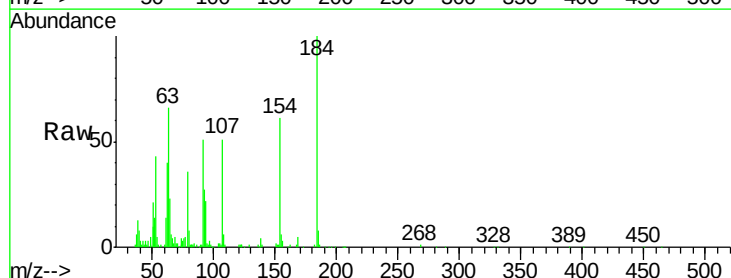
Tgt Ion:184 Resp: 80749

Ion Ratio Lower Upper

184 100

63 66.1 40.5 60.7#

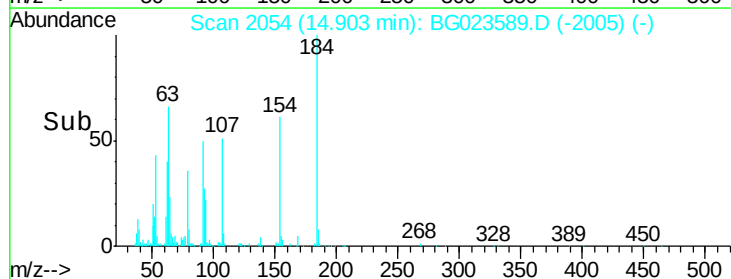
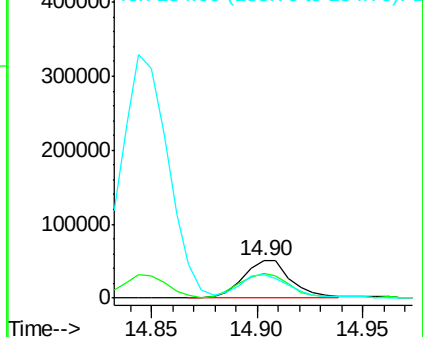
154 61.2 48.5 72.7

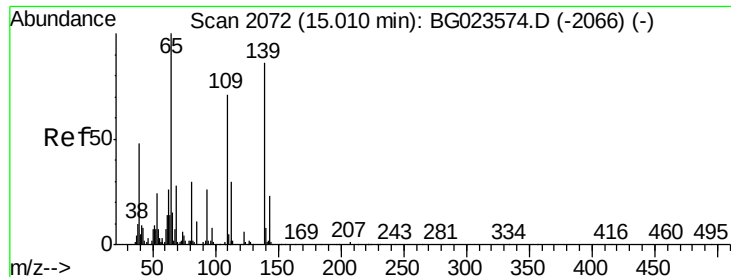


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 18.41 ng/ul

RT: 15.01 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

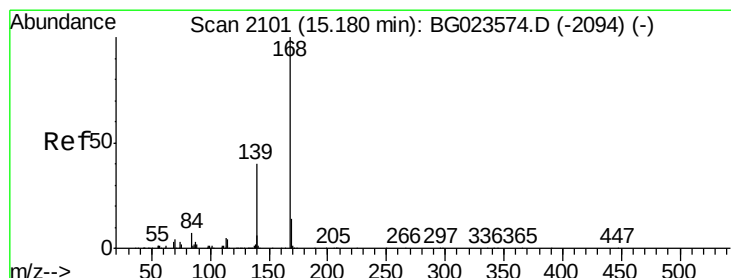
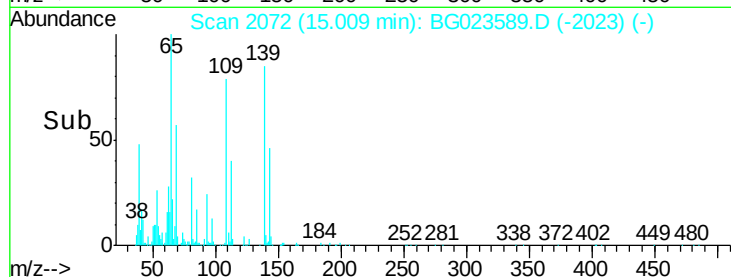
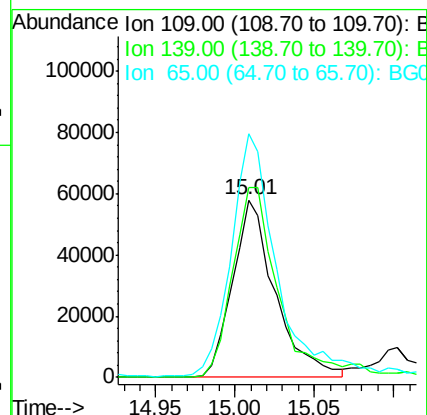
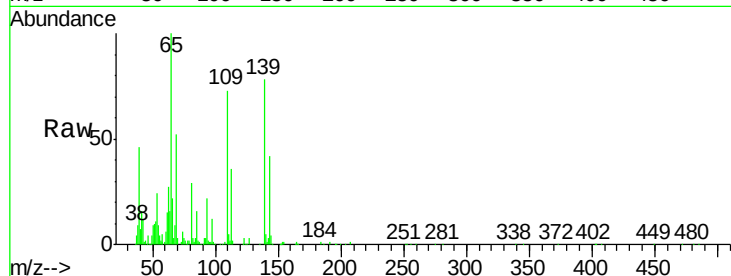
Tgt Ion:109 Resp: 108574

Ion Ratio Lower Upper

109 100

139 107.1 136.1 204.1#

65 137.4 106.0 159.0



#53

Dibenzofuran

Concen: 20.31 ng/ul

RT: 15.18 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BG023589.D

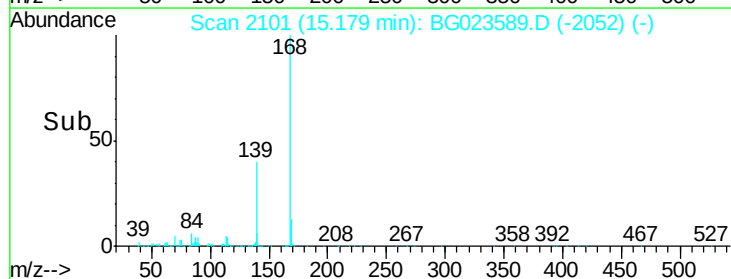
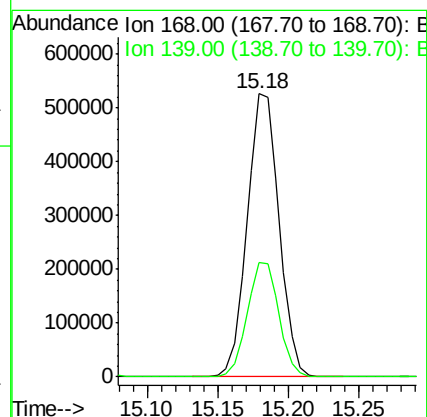
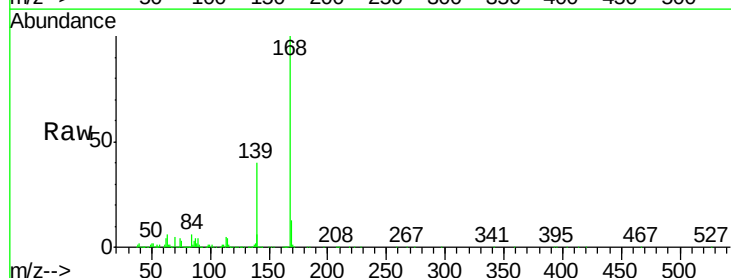
Acq: 10 Aug 2016 12:08

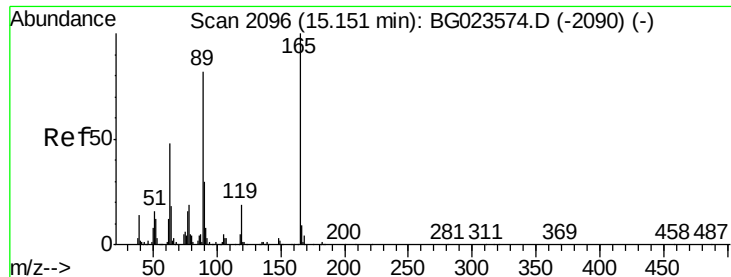
Tgt Ion:168 Resp: 832569

Ion Ratio Lower Upper

168 100

139 40.3 27.4 41.0

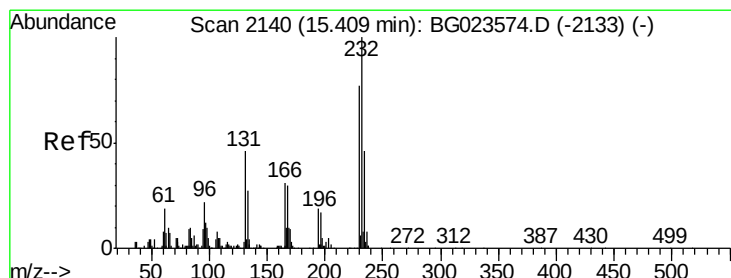
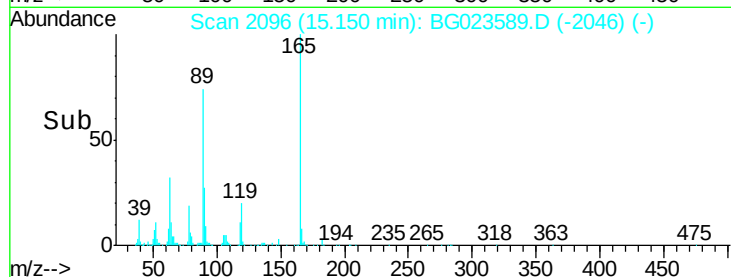
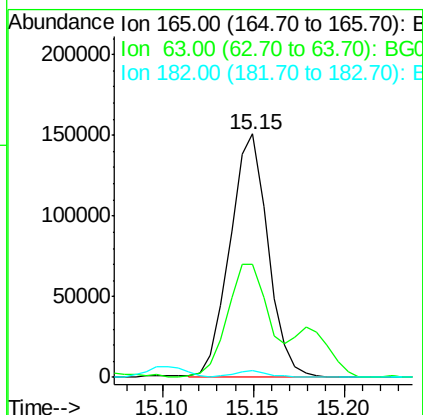
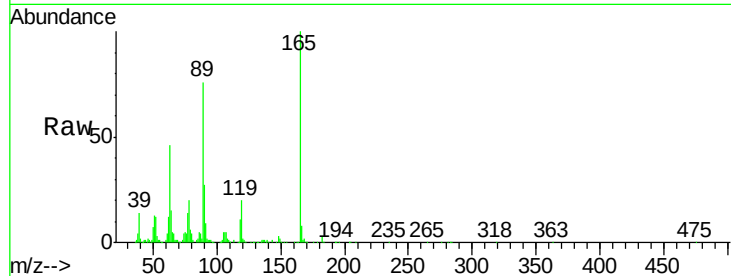




#54
 2,4-Dinitrotoluene
 Concen: 19.70 ng/ul
 RT: 15.15 min Scan# 2096
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

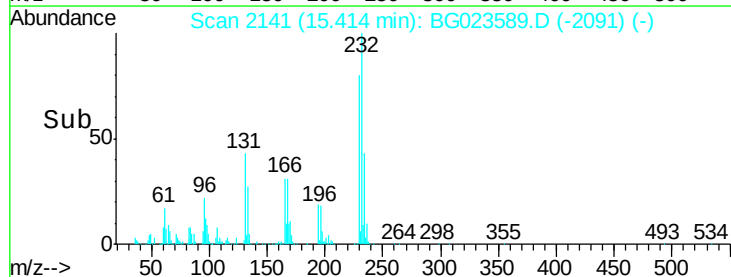
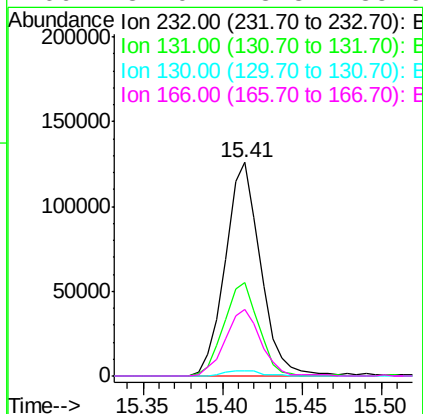
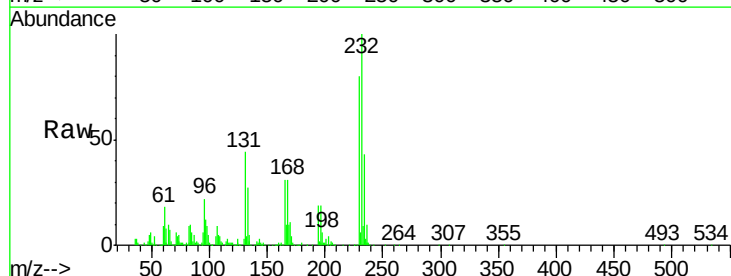
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

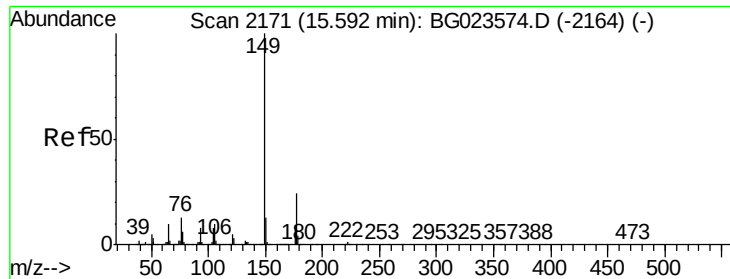
Tgt Ion:165 Resp: 221018
 Ion Ratio Lower Upper
 165 100
 63 46.3 25.7 38.5#
 182 2.6 2.1 3.1



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 19.67 ng/ul
 RT: 15.41 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion:232 Resp: 194060
 Ion Ratio Lower Upper
 232 100
 131 43.7 34.8 52.2
 130 2.6 2.2 3.2
 166 31.0 23.8 35.6

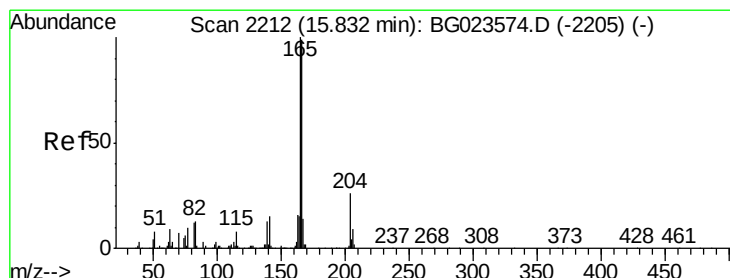
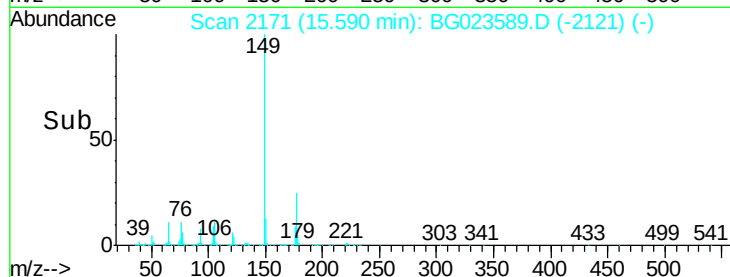
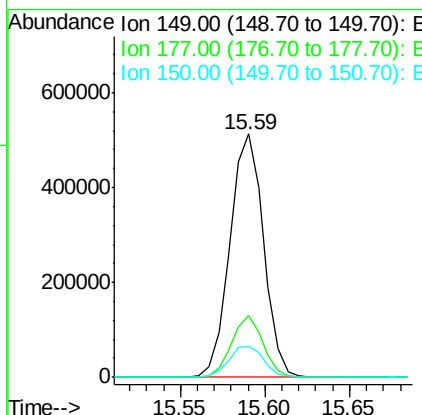
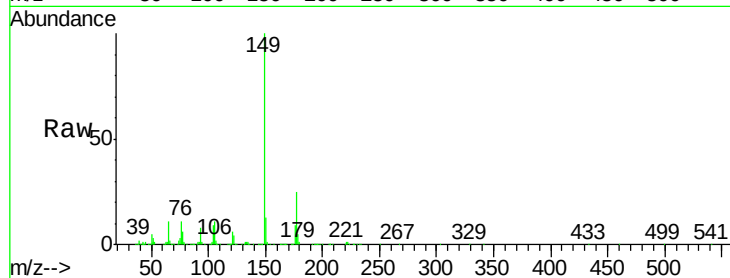




#56
Diethylphthalate
Concen: 19.77 ng/ul
RT: 15.59 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

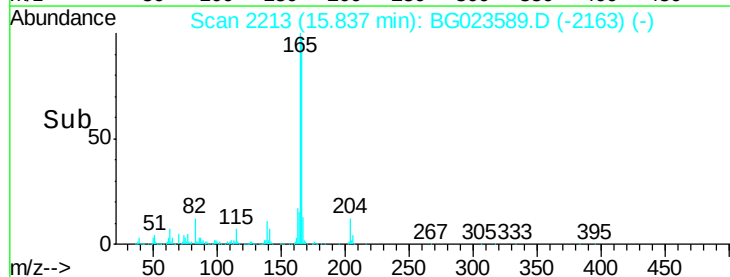
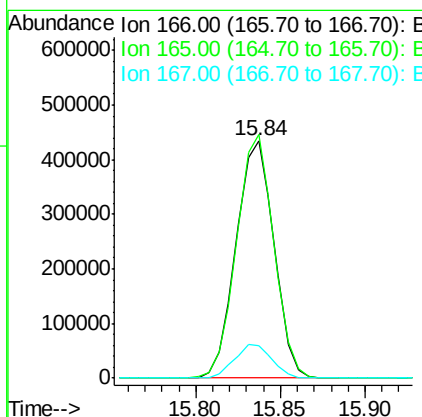
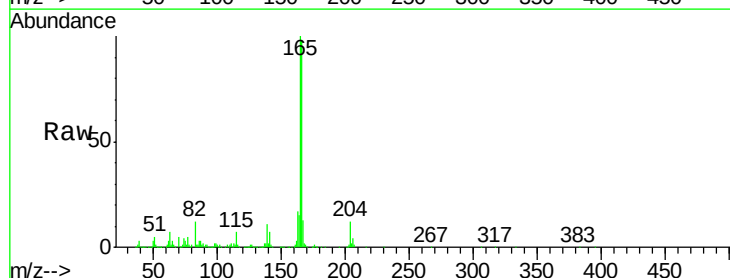
Instrument :
BNA_G
ClientSampleId :
SSTD02022

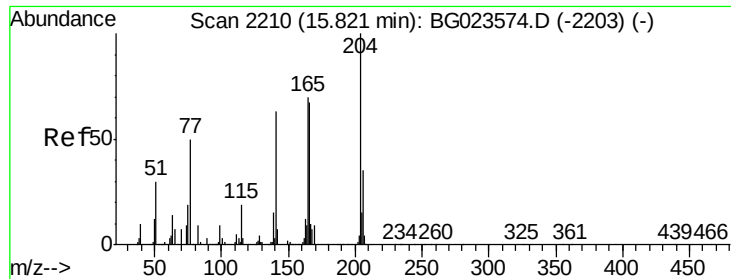
Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.3	17.4	26.2
150	12.6	9.6	14.4



#58
Fluorene
Concen: 19.84 ng/ul
RT: 15.84 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	80.3	120.5
167	13.8	10.3	15.5

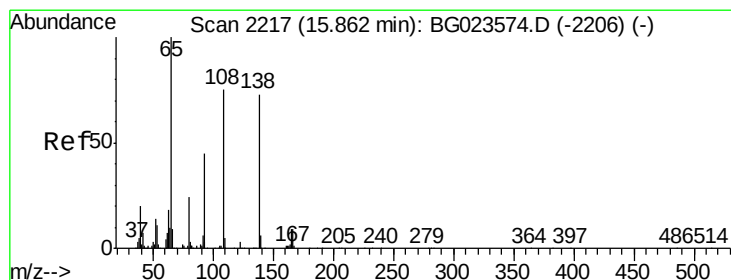
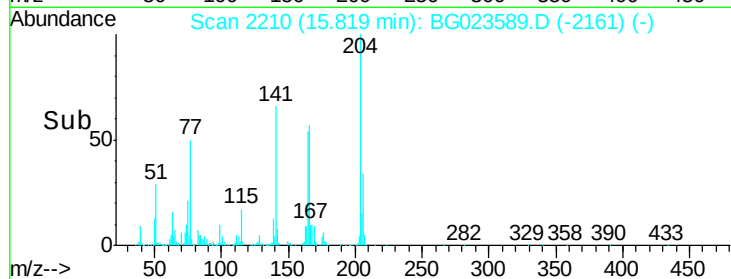
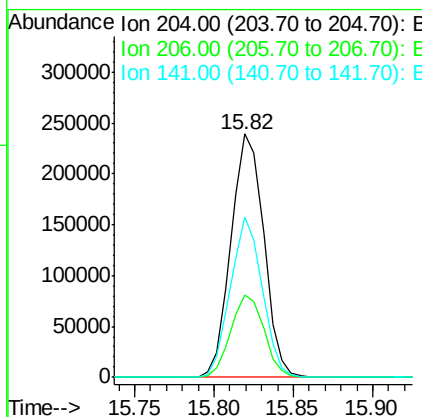
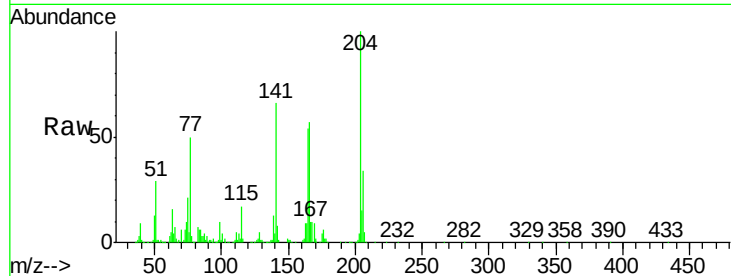




#59
4-Chlorophenyl-phenylether
Concen: 19.99 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

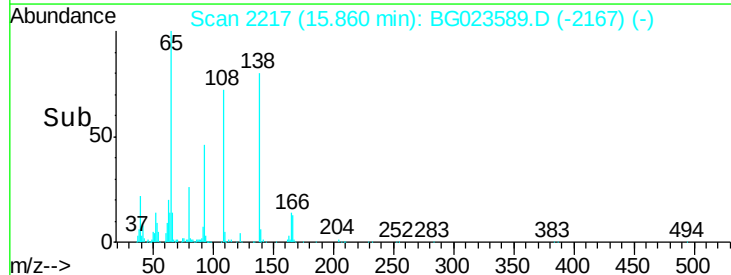
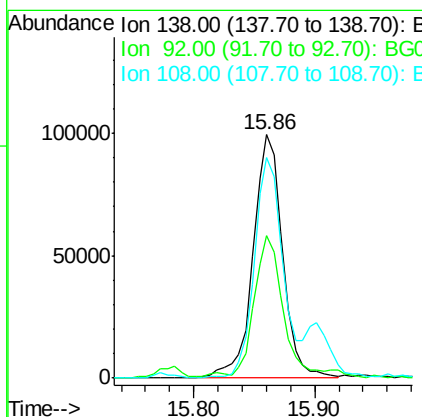
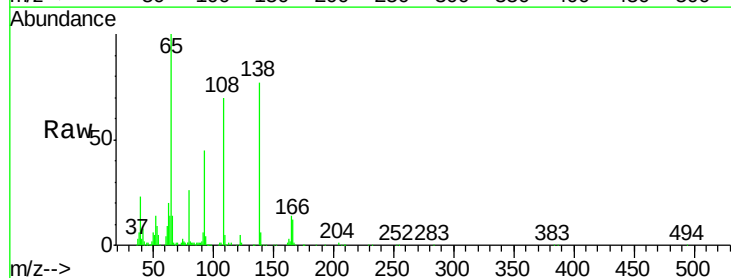
Instrument :
BNA_G
ClientSampleId :
SSTD02022

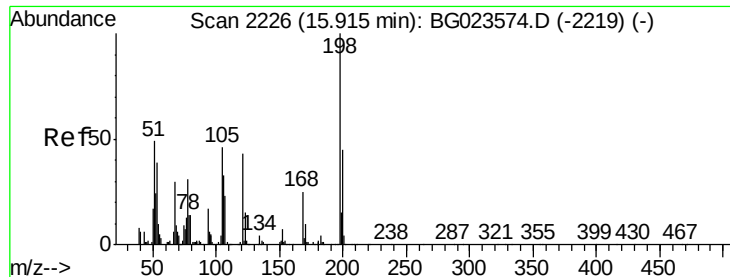
Tgt Ion:204 Resp: 343310
Ion Ratio Lower Upper
204 100
206 33.9 27.4 41.2
141 65.8 47.1 70.7



#60
4-Nitroaniline
Concen: 21.05 ng/ul
RT: 15.86 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:138 Resp: 169945
Ion Ratio Lower Upper
138 100
92 58.4 39.0 58.4
108 90.8 49.2 73.8#

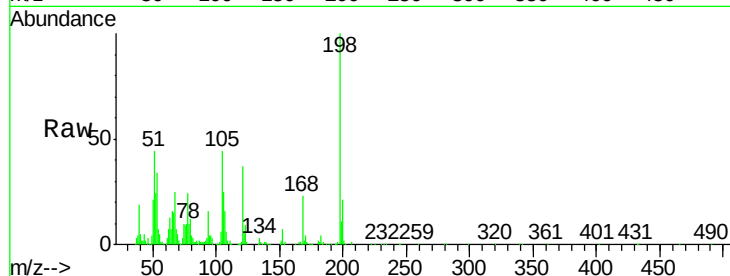




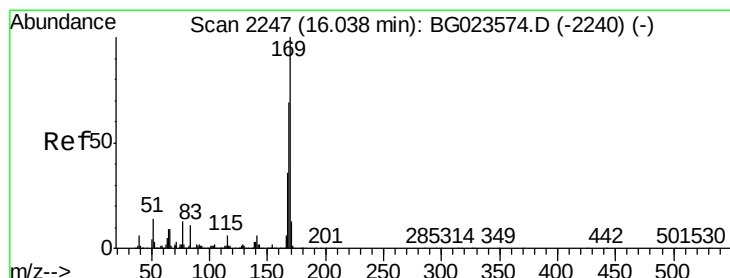
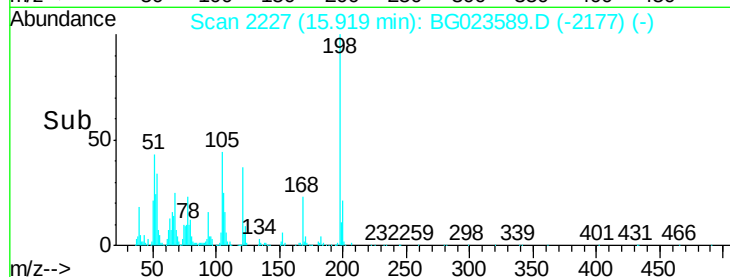
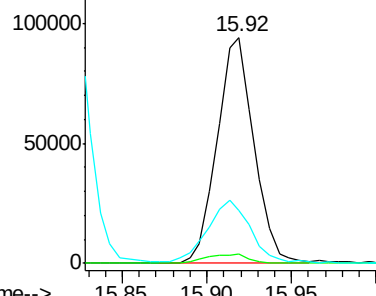
#63
 4,6-Dinitro-2-methylphenol
 Concen: 20.75 ng/ul
 RT: 15.92 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

Tgt Ion:198 Resp: 142770
 Ion Ratio Lower Upper
 198 100
 182 3.9 4.2 6.2#
 77 23.6 16.7 25.1

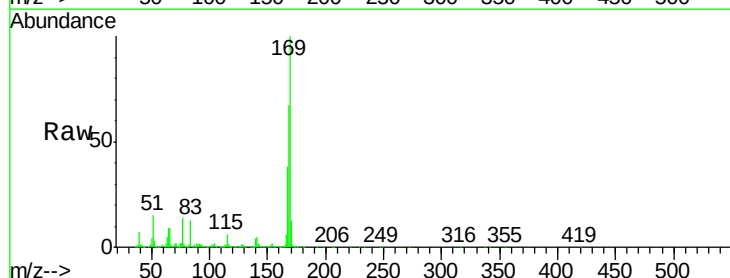


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

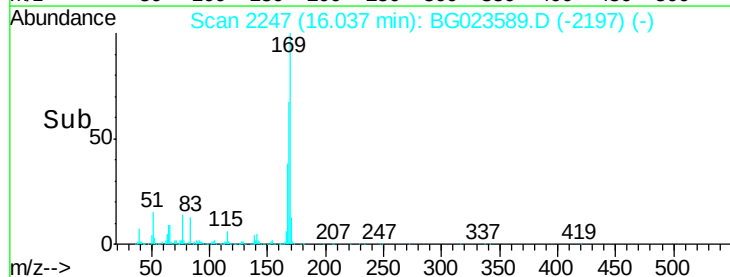
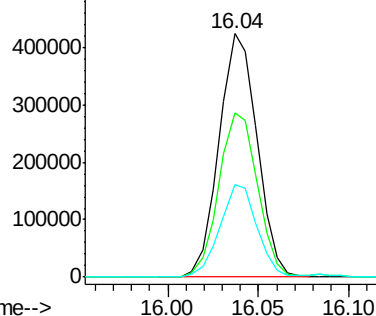


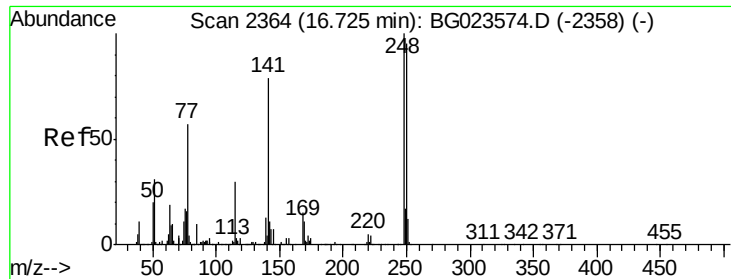
#64
 N-Nitrosodiphenylamine
 Concen: 21.68 ng/ul
 RT: 16.04 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion:169 Resp: 618869
 Ion Ratio Lower Upper
 169 100
 168 67.4 59.0 88.6
 167 37.9 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

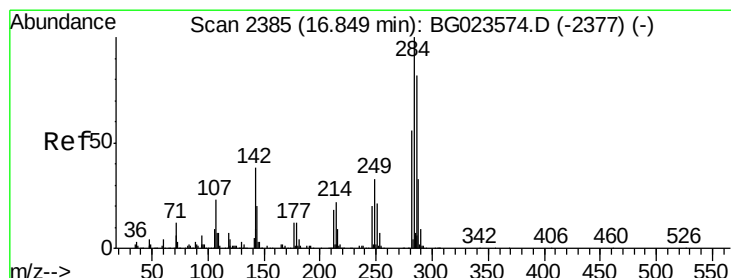
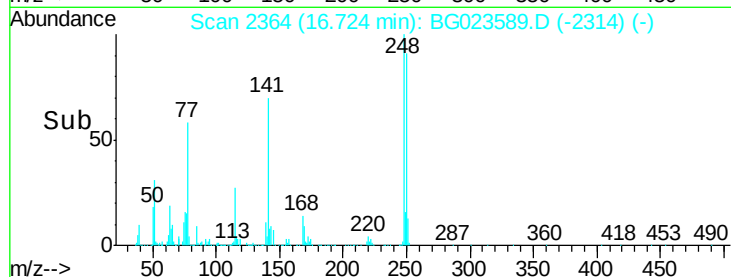
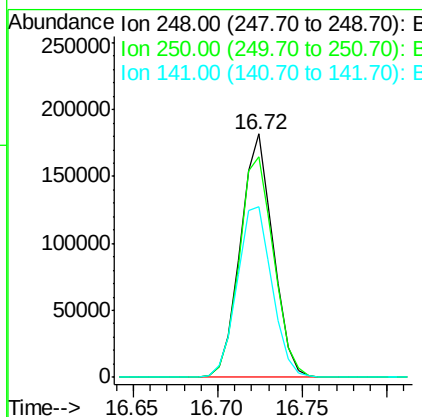
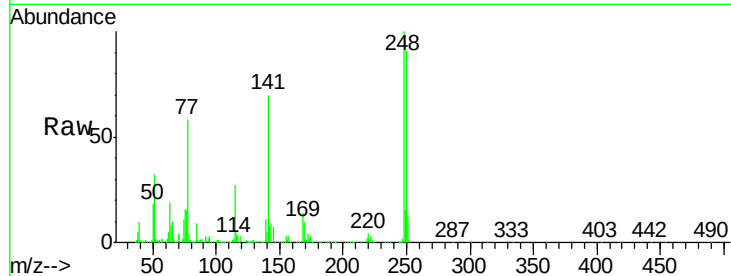




#65
4-Bromophenyl-phenylether
Concen: 20.83 ng/ul
RT: 16.72 min Scan# 2364
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

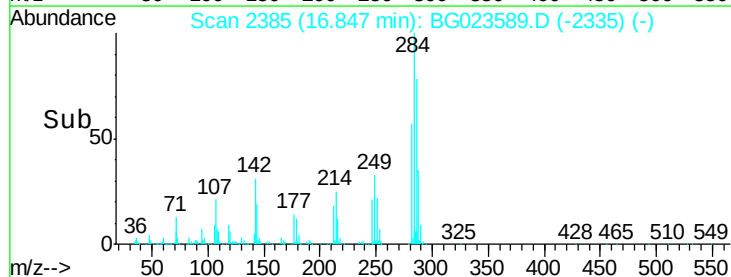
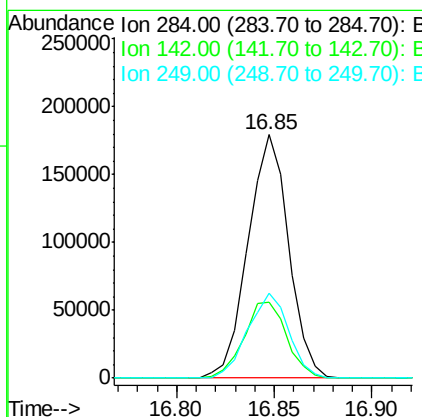
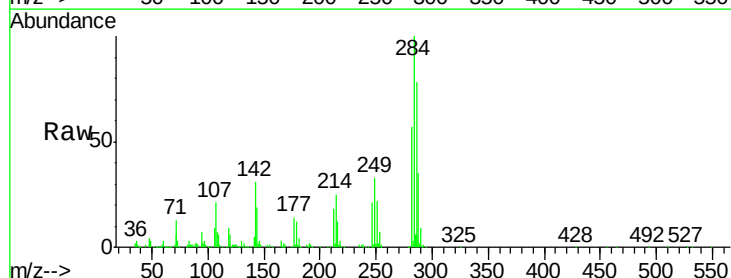
Instrument :
BNA_G
ClientSampleId :
SSTD02022

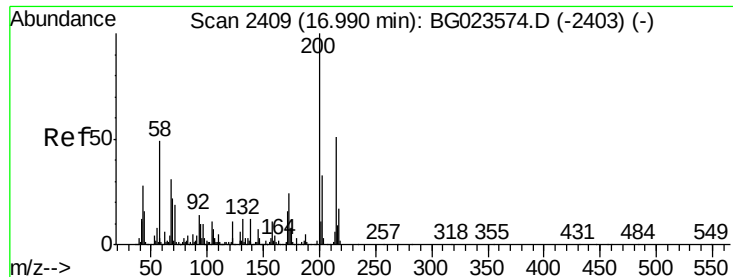
Tgt Ion:248 Resp: 244010
Ion Ratio Lower Upper
248 100
250 90.8 76.6 114.8
141 70.2 61.8 92.6



#66
Hexachlorobenzene
Concen: 20.70 ng/ul
RT: 16.85 min Scan# 2385
Delta R.T. -0.01 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:284 Resp: 258360
Ion Ratio Lower Upper
284 100
142 31.3 27.8 41.8
249 35.0 24.4 36.6





#67

Atrazine

Concen: 20.93 ng/ul

RT: 16.99 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

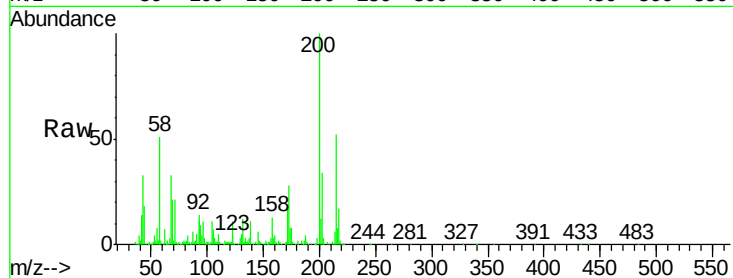
Tgt Ion:200 Resp: 246753

Ion Ratio Lower Upper

200 100

173 28.3 21.0 31.6

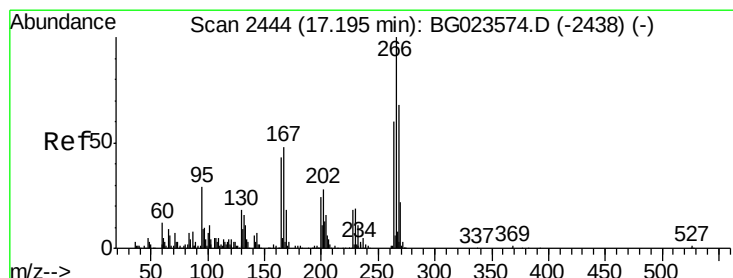
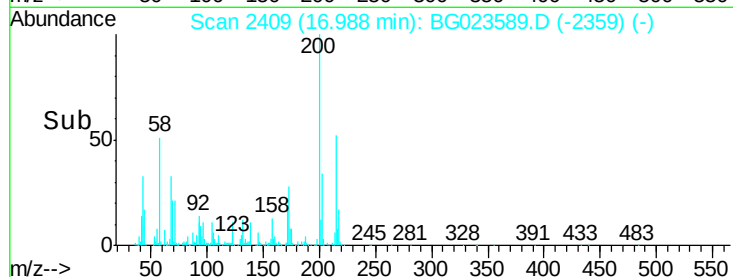
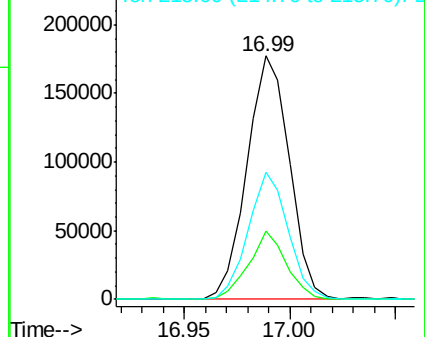
215 52.2 37.9 56.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 19.14 ng/ul

RT: 17.20 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

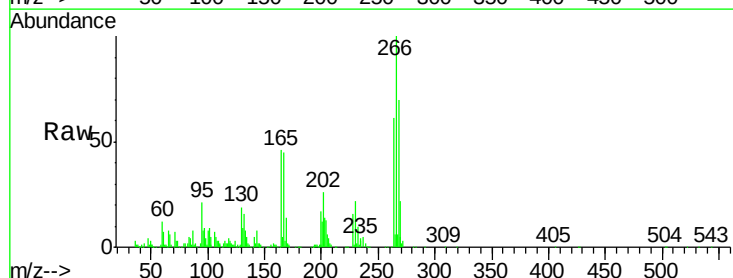
Tgt Ion:266 Resp: 131819

Ion Ratio Lower Upper

266 100

264 61.2 54.7 82.1

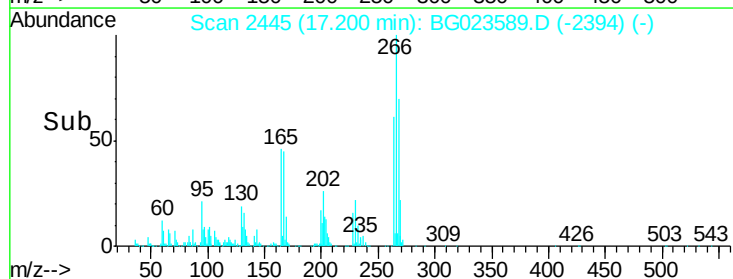
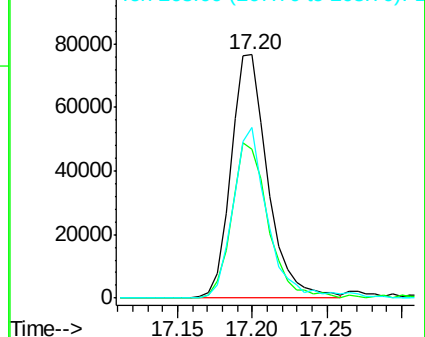
268 70.1 57.8 86.8

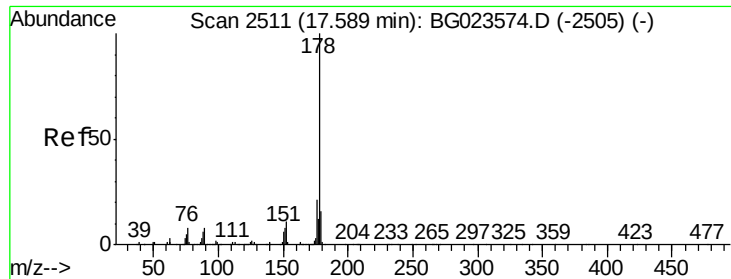


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 21.33 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

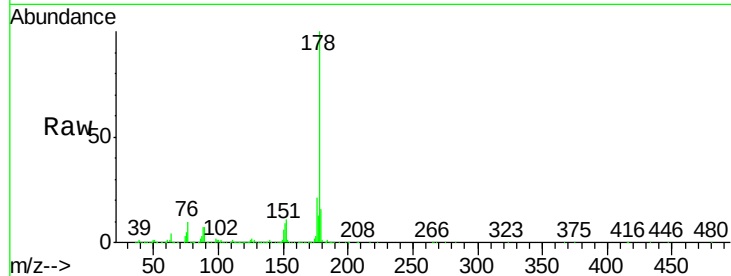
Tgt Ion:178 Resp: 1128377

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

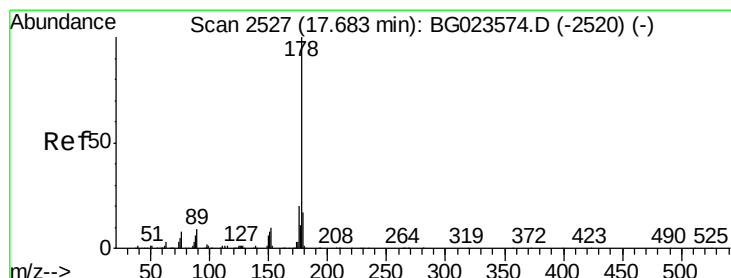
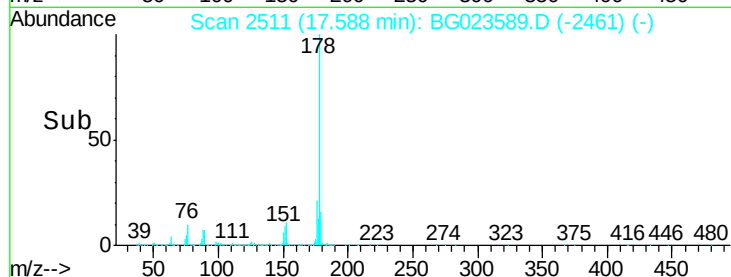
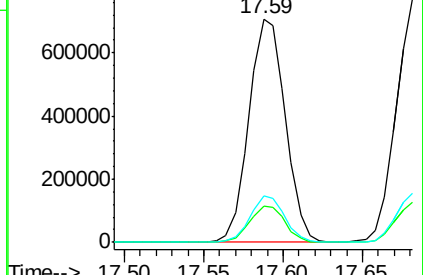
176 20.7 15.8 23.8



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: 21.49 ng/ul

RT: 17.68 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

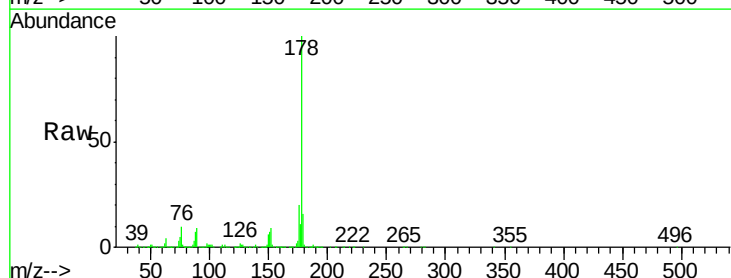
Tgt Ion:178 Resp: 1160056

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

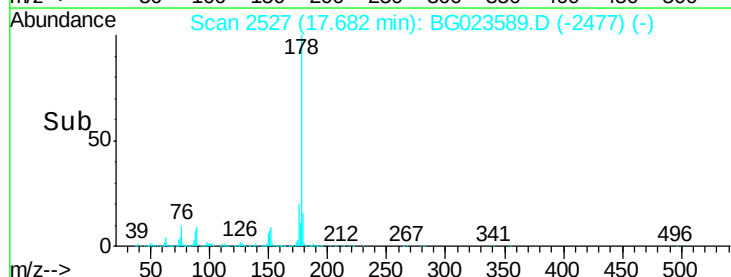
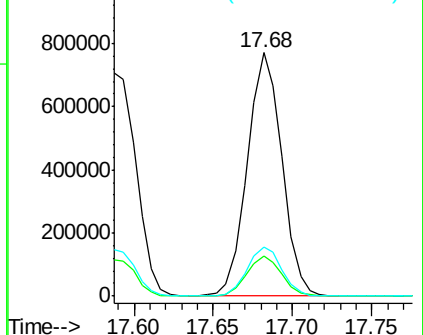
176 20.0 16.3 24.5

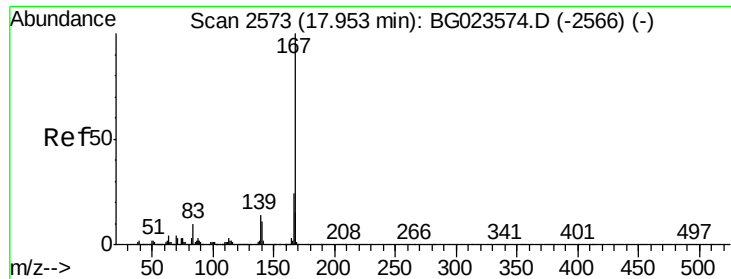


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

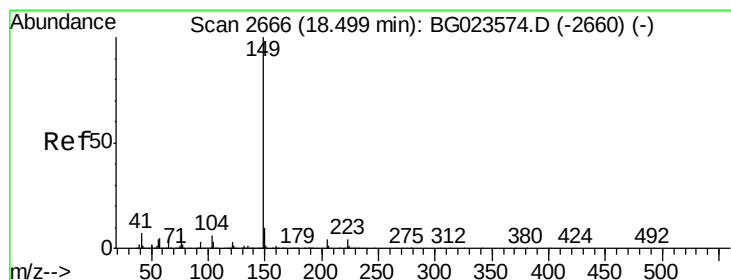
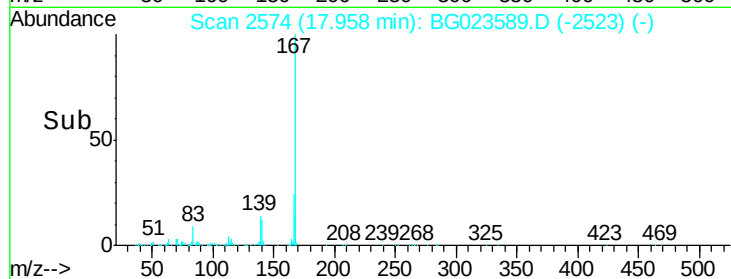
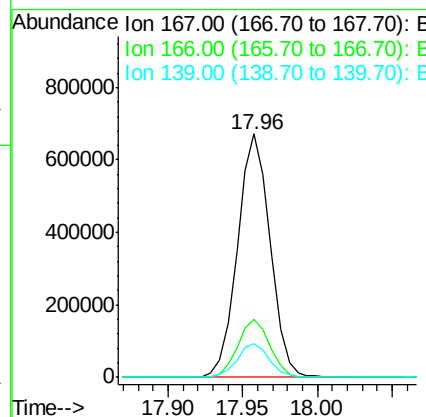
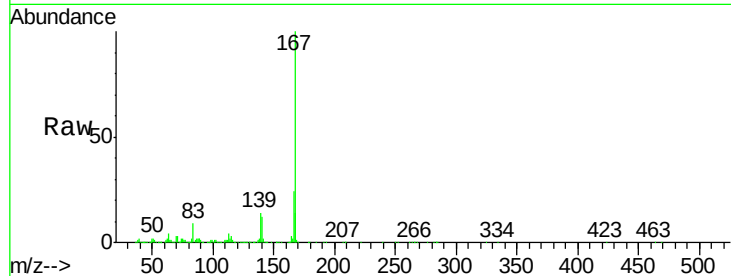




#72
 Carbazole
 Concen: 23.46 ng/ul
 RT: 17.96 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

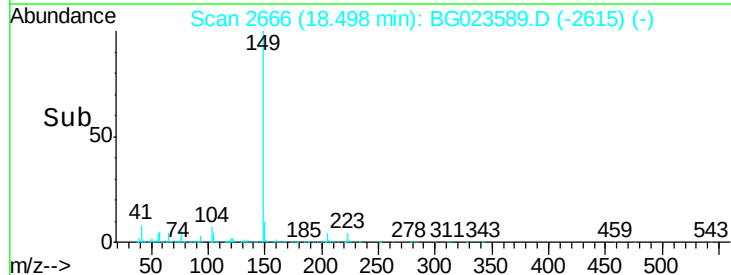
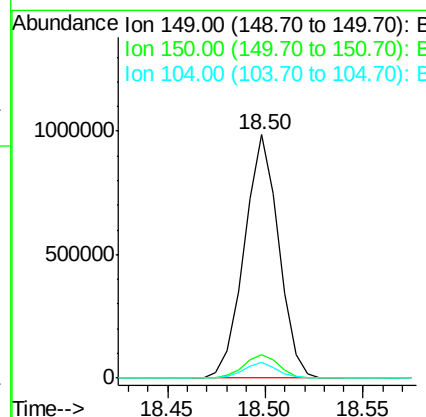
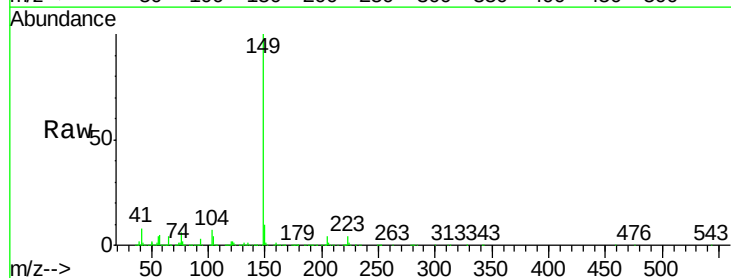
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02022

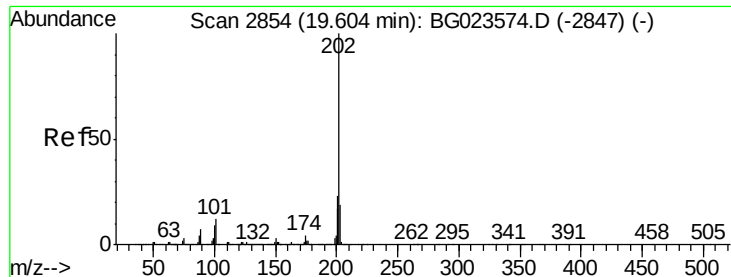
Tgt Ion:167 Resp: 1020463
 Ion Ratio Lower Upper
 167 100
 166 24.1 19.2 28.8
 139 13.8 10.2 15.4



#73
 Di-n-butylphthalate
 Concen: 22.07 ng/ul
 RT: 18.50 min Scan# 2666
 Delta R.T. -0.00 min
 Lab File: BG023589.D
 Acq: 10 Aug 2016 12:08

Tgt Ion:149 Resp: 1202169
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.1 10.7
 104 6.5 3.3 4.9#

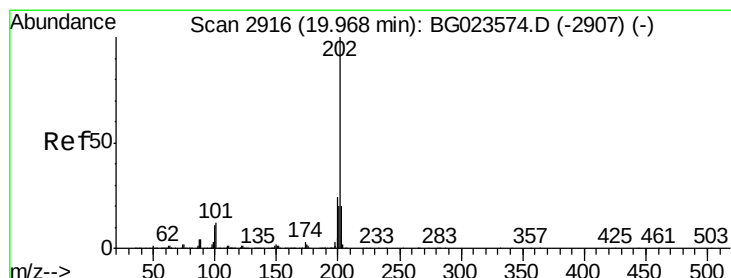
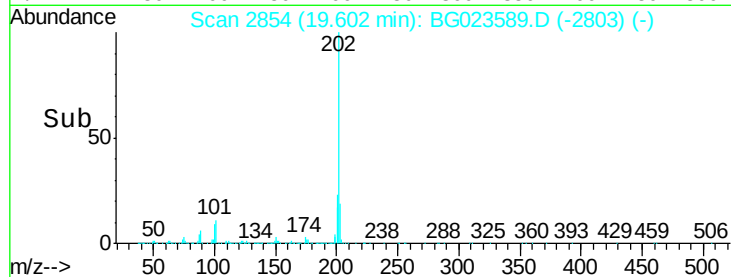
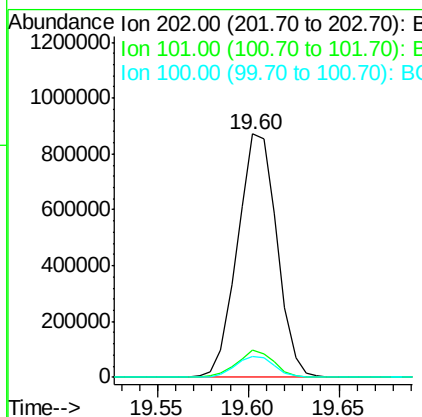
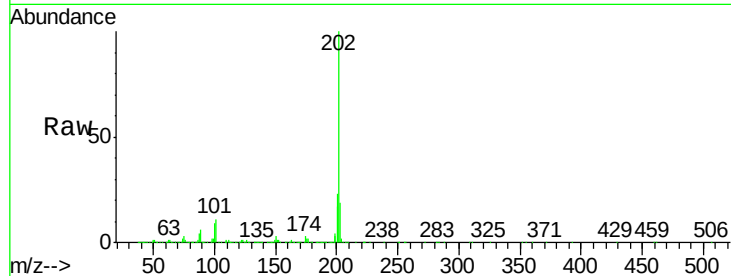




#74
Fluoranthene
Concen: 24.23 ng/ul
RT: 19.60 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

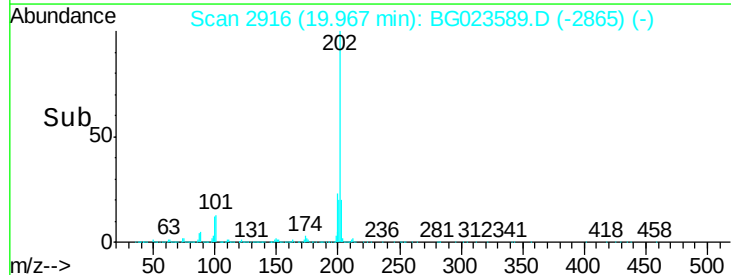
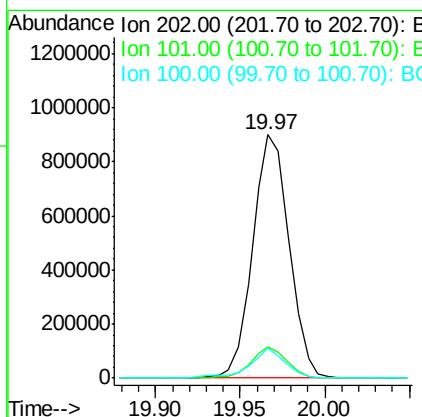
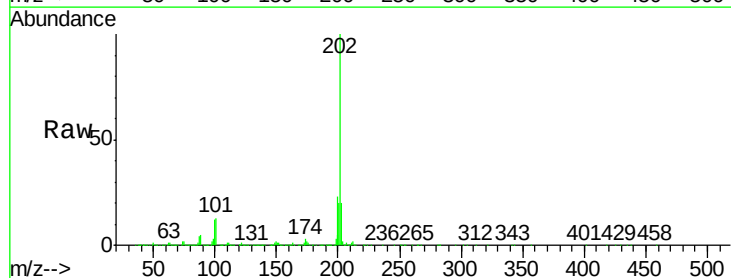
Instrument :
BNA_G
ClientSampleId :
SSTD02022

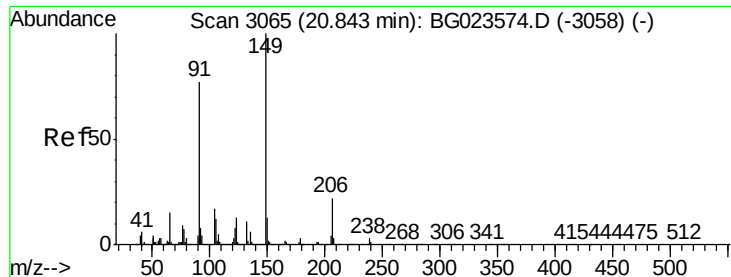
Tgt Ion:202 Resp: 1312109
Ion Ratio Lower Upper
202 100
101 11.3 10.6 16.0
100 8.8 8.7 13.1



#77
Pyrene
Concen: 20.88 ng/ul
RT: 19.97 min Scan# 2916
Delta R.T. -0.00 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion:202 Resp: 1343990
Ion Ratio Lower Upper
202 100
101 12.6 12.5 18.7
100 12.1 10.2 15.4

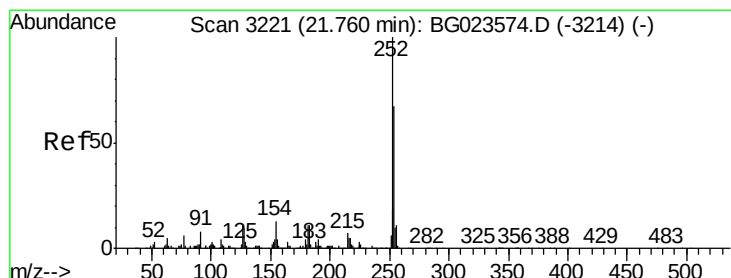
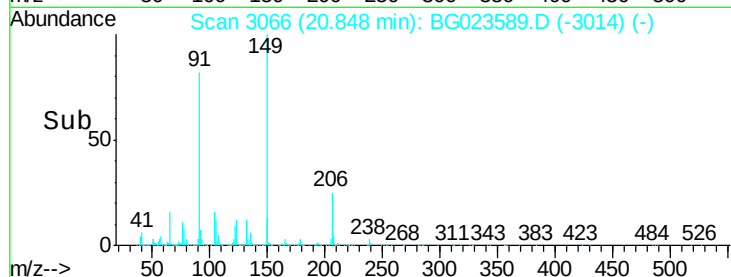
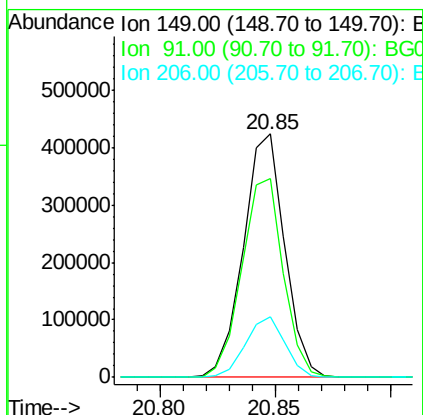
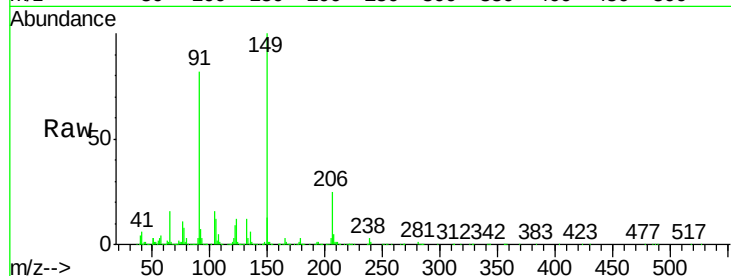




#78
Butylbenzylphthalate
Concen: 21.37 ng/ul
RT: 20.85 min Scan# 3066
Delta R.T. 0.00 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

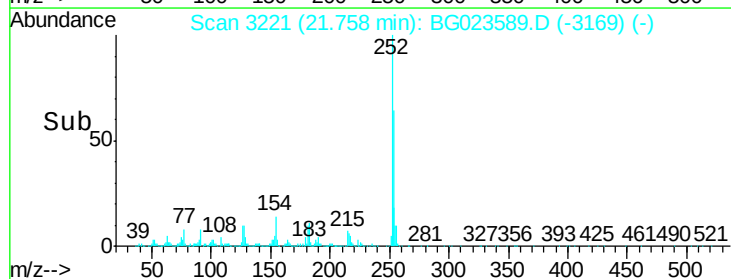
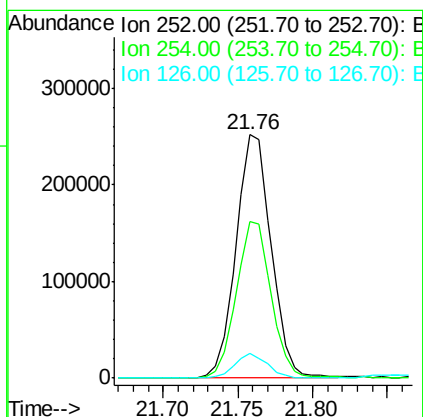
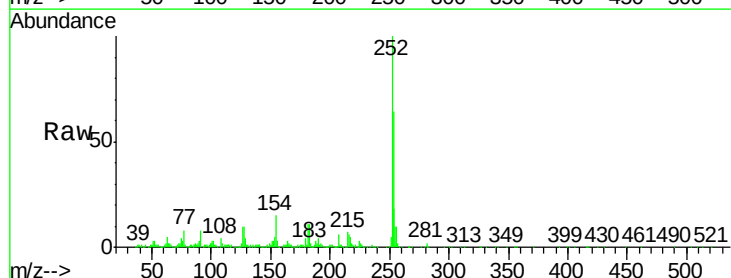
Instrument :
BNA_G
ClientSampleId :
SSTD02022

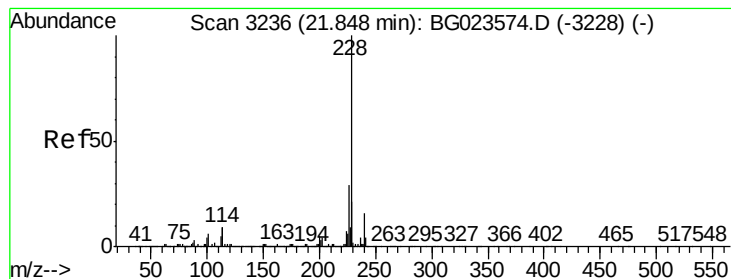
Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.6	54.2	81.4#
206	25.0	14.1	21.1#



#79
3,3'-Dichlorobenzidine
Concen: 22.47 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BG023589.D
Acq: 10 Aug 2016 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.2
126	10.0	10.7	16.1#





#80

Benzo(a)anthracene

Concen: 20.92 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

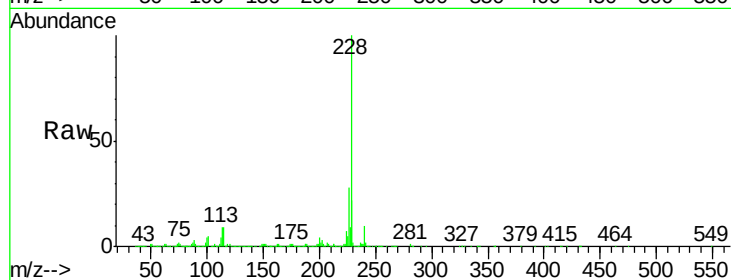
BNA_G

ClientSampleId :

SSTD02022

Tgt Ion:228 Resp: 1226845

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.4	23.2
226	28.4	22.8	34.2

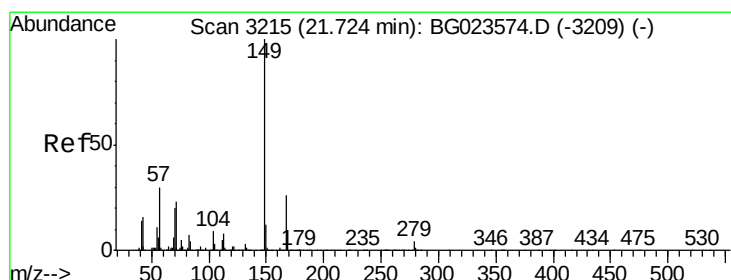
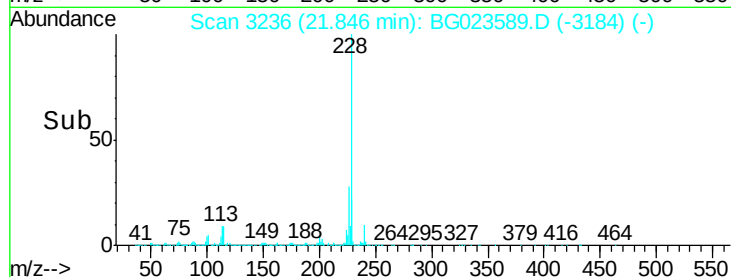
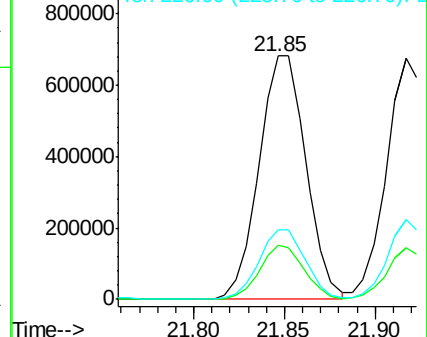


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 22.07 ng/ul

RT: 21.73 min Scan# 3216

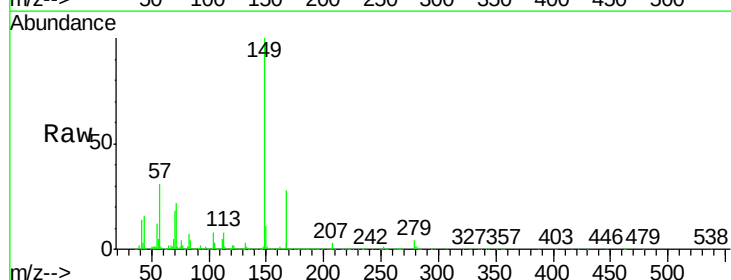
Delta R.T. 0.00 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Tgt Ion:149 Resp: 724380

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.9	32.9
279	4.4	2.9	4.3#

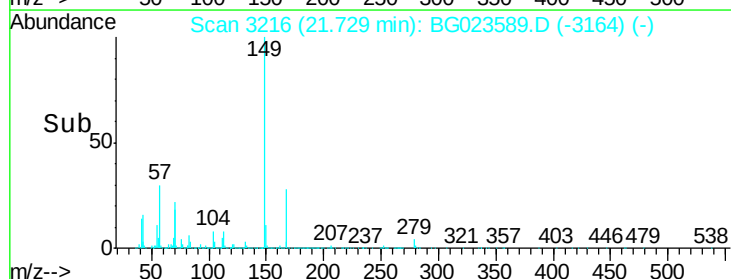
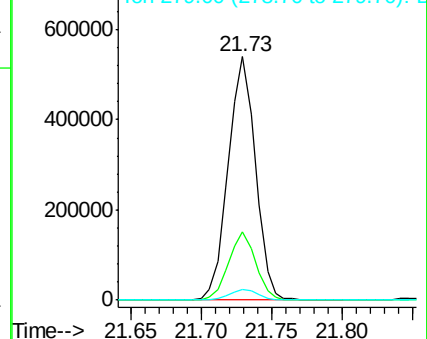


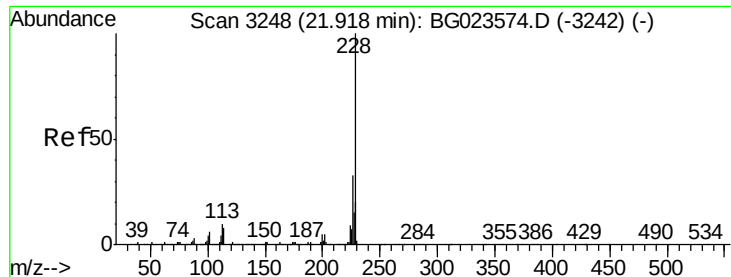
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 20.97 ng/ul

RT: 21.92 min Scan# 3248

Delta R.T. 0.00 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

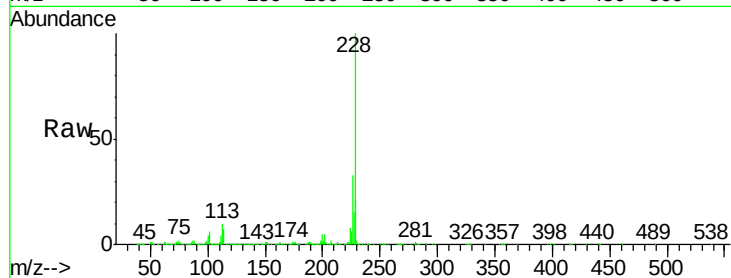
Tgt Ion:228 Resp: 1118111

Ion Ratio Lower Upper

228 100

226 33.2 24.2 36.4

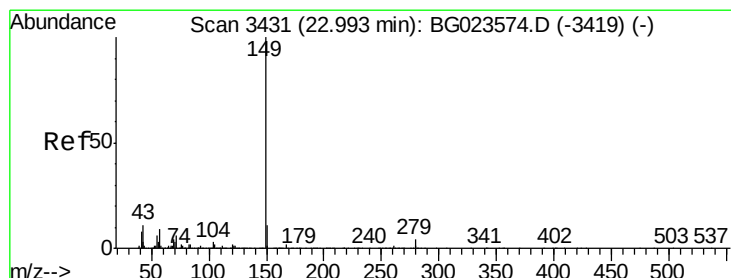
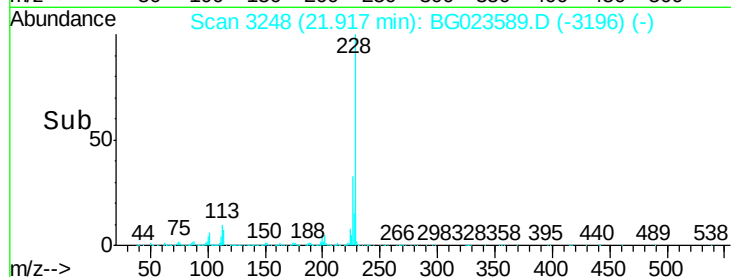
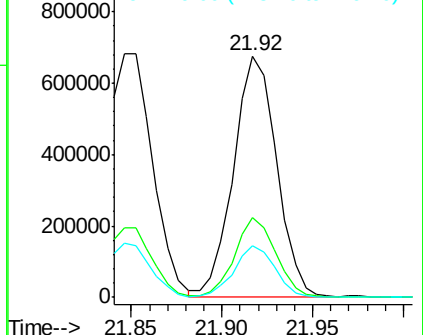
229 21.3 15.0 22.6



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: 23.80 ng/ul

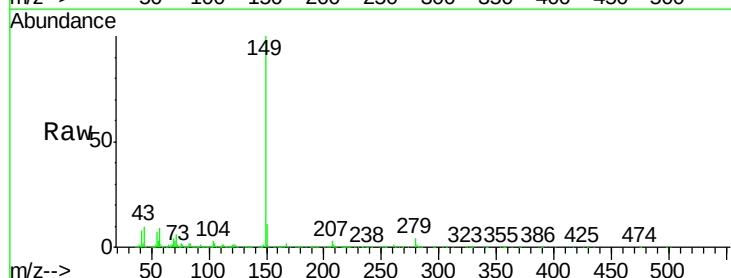
RT: 23.00 min Scan# 3432

Delta R.T. 0.01 min

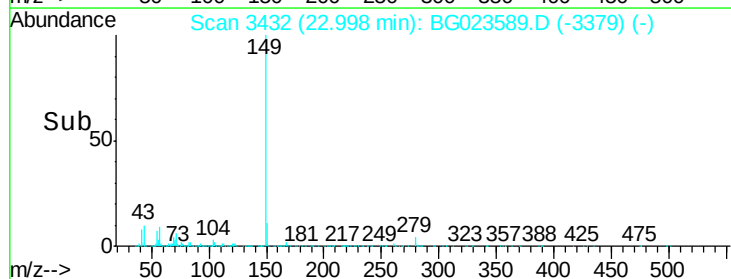
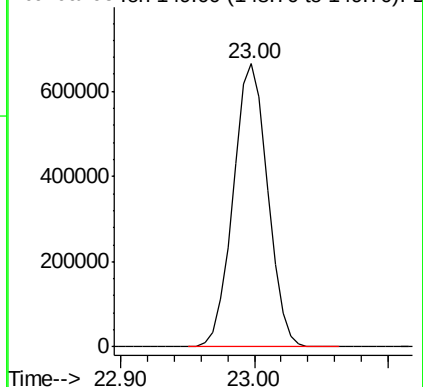
Lab File: BG023589.D

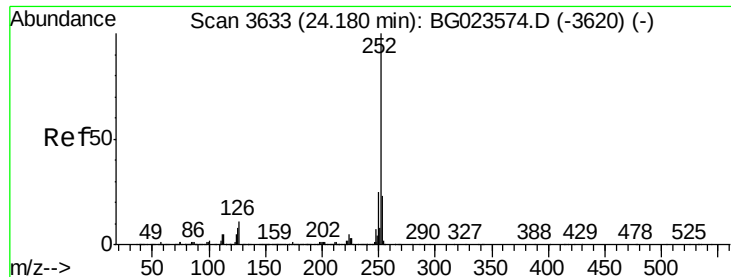
Acq: 10 Aug 2016 12:08

Tgt Ion:149 Resp: 1182029



Abundance Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 21.39 ng/ul

RT: 24.18 min Scan# 3633

Delta R.T. 0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

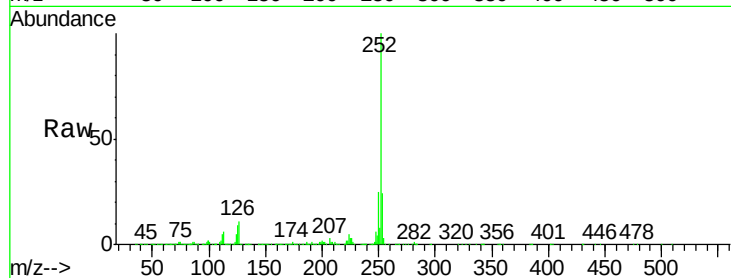
Tgt Ion:252 Resp: 1196162

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

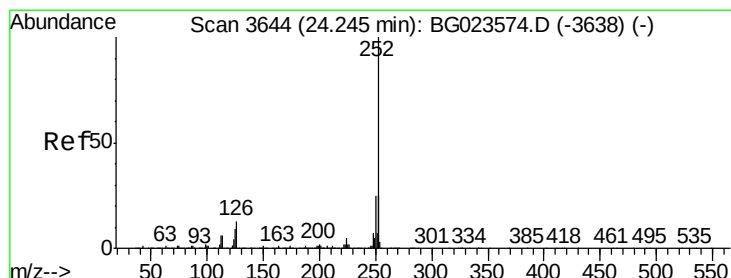
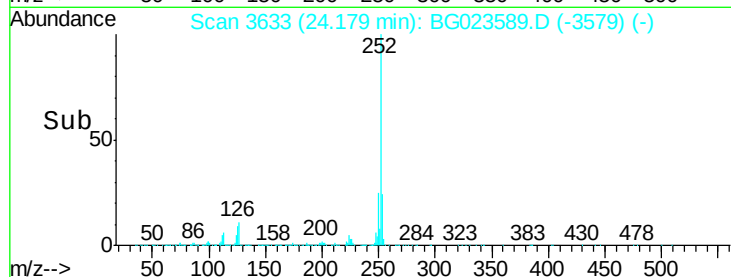
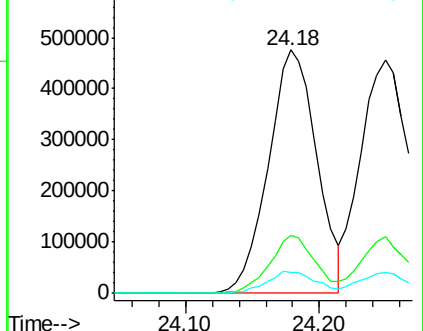
125 8.5 10.8 16.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 20.98 ng/ul

RT: 24.25 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

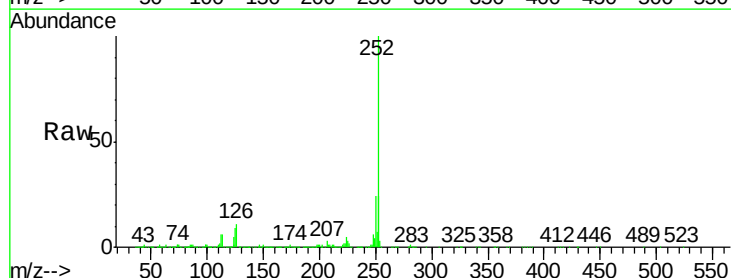
Tgt Ion:252 Resp: 1155015

Ion Ratio Lower Upper

252 100

253 24.3 15.8 23.6#

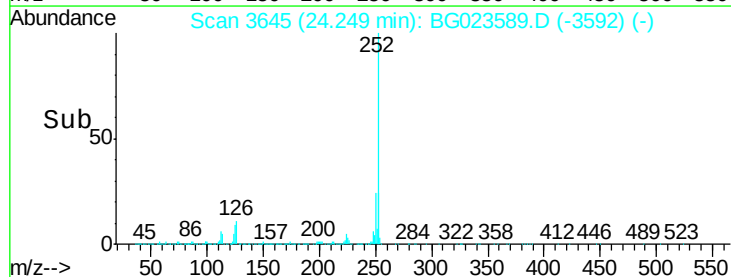
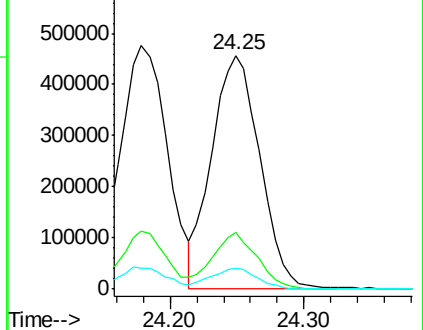
125 8.9 10.6 16.0#

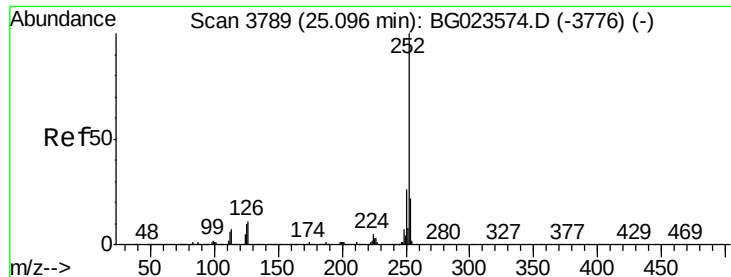


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 21.26 ng/ul

RT: 25.11 min Scan# 3791

Delta R.T. 0.02 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

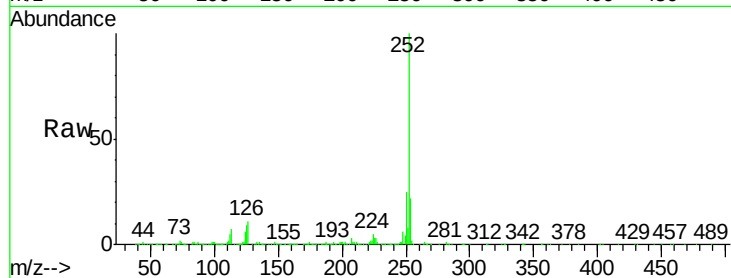
Tgt Ion:252 Resp: 1148209

Ion Ratio Lower Upper

252 100

253 21.5 19.0 28.4

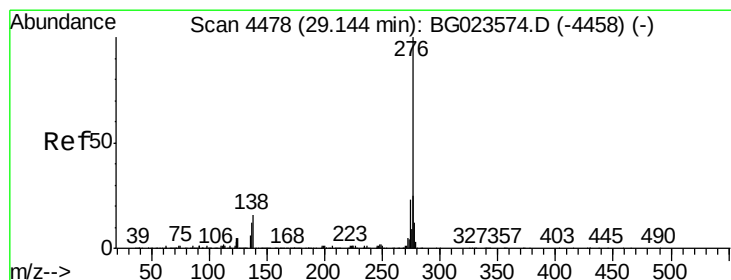
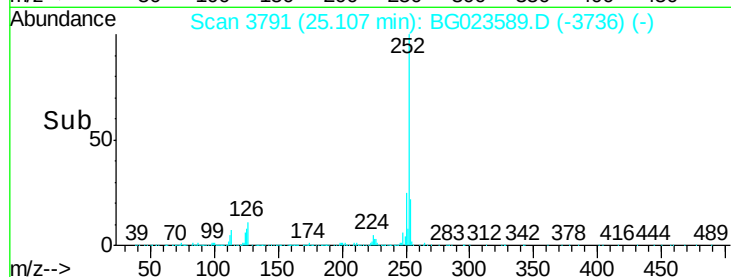
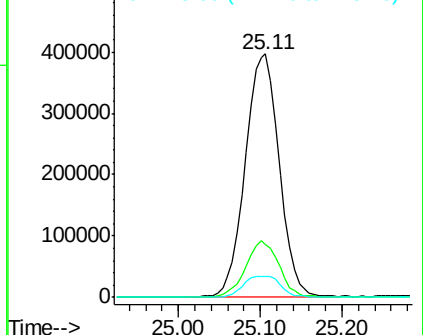
125 8.5 12.0 18.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 20.87 ng/ul

RT: 29.15 min Scan# 4479

Delta R.T. 0.03 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

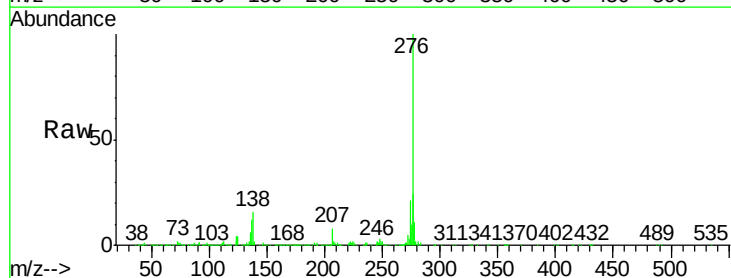
Tgt Ion:276 Resp: 1324589

Ion Ratio Lower Upper

276 100

138 15.7 20.8 31.2#

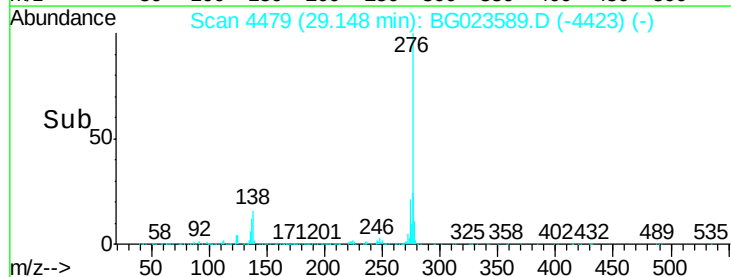
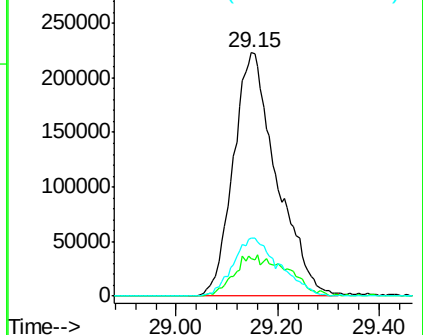
277 24.0 17.6 26.4

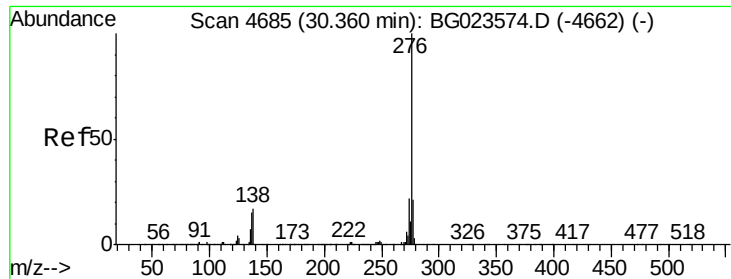


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 20.71 ng/ul

RT: 30.37 min Scan# 4687

Delta R.T. 0.05 min

Lab File: BG023589.D

Acq: 10 Aug 2016 12:08

Instrument :

BNA_G

ClientSampleId :

SSTD02022

Tgt Ion:276 Resp: 1089370

Ion Ratio Lower Upper

276 100

138 16.2 22.1 33.1#

277 23.6 17.0 25.4

