

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015956.D
 Acq On : 27 Jan 2015 21:59
 Operator : TP/IZ
 Sample : G1130-02MS
 Misc : W
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

Quant Time: Jan 28 02:44:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 01:36:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	71587	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	290151	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	249327	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	742179	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1082299	20.00	ng	0.00
86) Perylene-d12	23.52	264	1040530	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	585334	121.76	ng	0.00
7) Phenol-d6	6.87	99	891011	115.02	ng	0.00
23) Nitrobenzene-d5	8.84	82	773720	76.87	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	723924	158.60	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1545606	97.26	ng	0.00
78) Terphenyl-d14	19.71	244	3395459	91.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.20	88	81049	32.74	ng	# 94
3) Pyridine	3.59	79	215775	25.85	ng	93
4) n-Nitrosodimethylamine	3.51	42	113880	35.32	ng	96
6) Aniline	7.02	93	118999	10.67	ng	# 85
8) 2-Chlorophenol	7.26	128	193282	41.90	ng	83
9) Benzaldehyde	6.84	77	24780	3.51	ng	92
10) Phenol	6.90	94	330323	37.41	ng	96
11) bis(2-Chloroethyl)ether	7.12	93	247201	36.23	ng	93
12) 1,3-Dichlorobenzene	7.58	146	217823	39.90	ng	95
13) 1,4-Dichlorobenzene	7.72	146	218181	38.71	ng	92
14) 1,2-Dichlorobenzene	8.03	146	206398	37.37	ng	91
15) Benzyl Alcohol	7.93	79	313655	37.01	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.22	45	179704	32.59	ng	94
17) 2-Methylphenol	8.13	107	220913	40.38	ng	93
18) Hexachloroethane	8.75	117	106343	36.70	ng	92
19) n-Nitroso-di-n-propylamine	8.49	70	273682	35.41	ng	94
20) 3+4-Methylphenols	8.46	107	302928	42.25	ng	96
22) Acetophenone	8.50	105	390402	40.15	ng	# 98
24) Nitrobenzene	8.89	77	409917	38.72	ng	97
25) Isophorone	9.40	82	712933	40.06	ng	100
26) 2-Nitrophenol	9.59	139	108954	41.56	ng	86
27) 2,4-Dimethylphenol	9.66	122	217195	43.29	ng	94
28) bis(2-Chloroethoxy)methane	9.89	93	354251	41.12	ng	98
29) 2,4-Dichlorophenol	10.13	162	244511	46.67	ng	95
30) 1,2,4-Trichlorobenzene	10.34	180	266433	41.94	ng	89
31) Naphthalene	10.52	128	624264	42.04	ng	97
32) Benzoic acid	9.82	122	80924	48.69	ng	95
34) Hexachlorobutadiene	10.80	225	275450	44.33	ng	96
35) Caprolactam	11.41	113	67134	26.08	ng	# 78
36) 4-Chloro-3-methylphenol	11.78	107	325469	42.24	ng	# 80
37) 2-Methylnaphthalene	12.14	142	496558	42.10	ng	86
39) 1,2,4,5-Tetrachlorobenzene	12.51	216	436700	45.93	ng	99
40) Hexachlorocyclopentadiene	12.49	237	593092	82.78	ng	91
42) 2,4,6-Trichlorophenol	12.76	196	282968	50.81	ng	95

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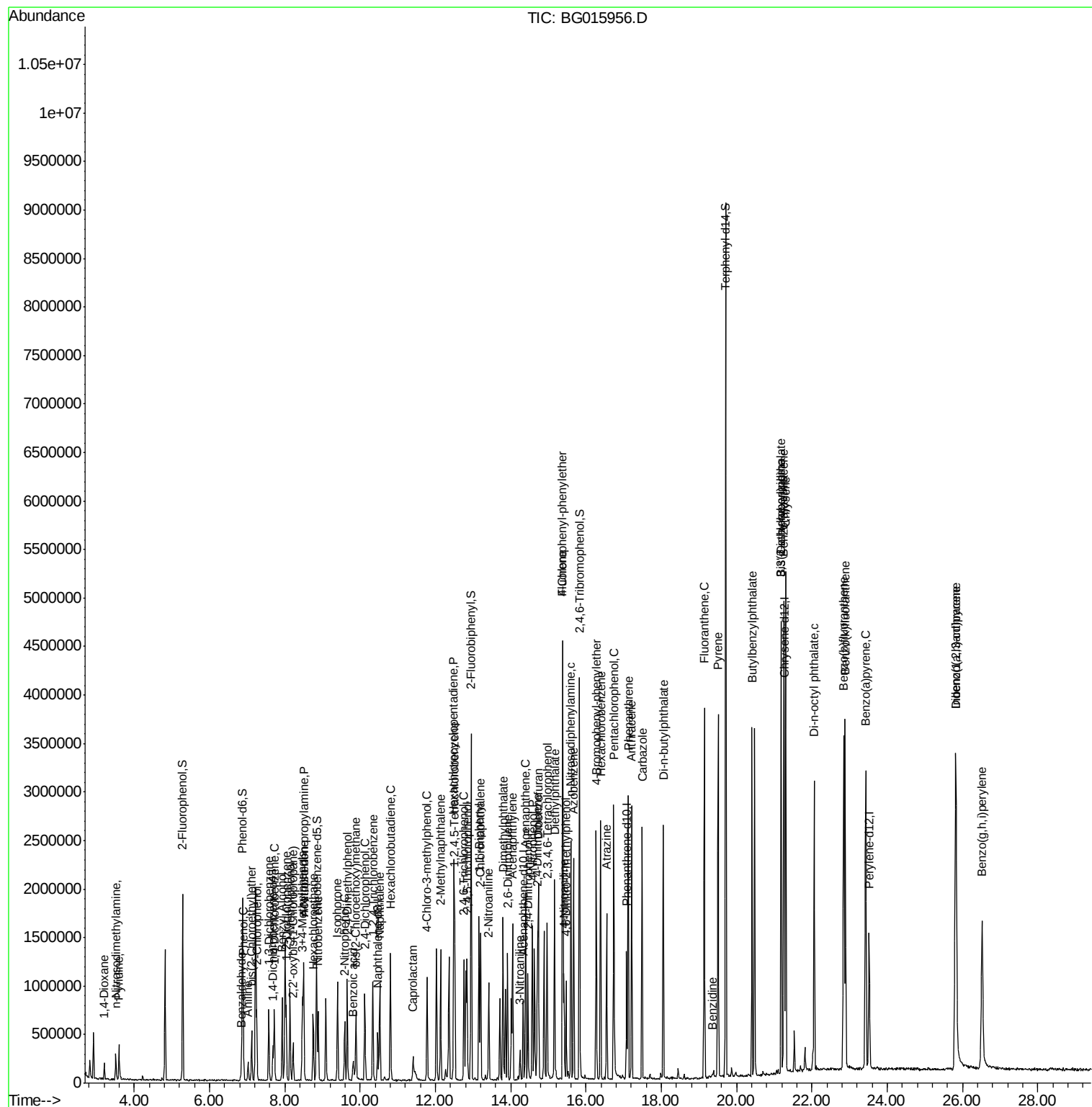
Quant Time: Jan 28 02:44:37 2015
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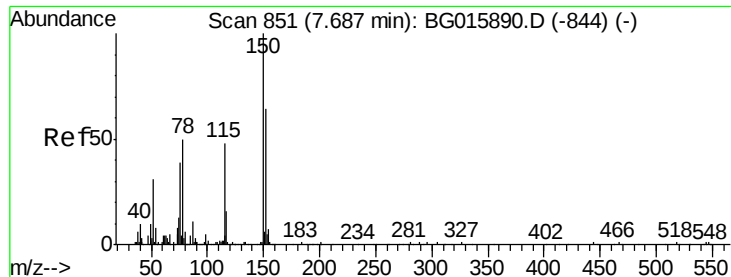
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	12.84	196	316380	50.25	ng	92
45) 1,1'-Biphenyl	13.16	154	716185	45.51	ng	95
46) 2-Chloronaphthalene	13.20	162	626489	47.15	ng	# 89
47) 2-Nitroaniline	13.41	65	291296	42.96	ng	95
48) Acenaphthylene	14.05	152	954083	47.28	ng	# 95
49) Dimethylphthalate	13.80	163	844221	47.06	ng	98
50) 2,6-Dinitrotoluene	13.92	165	193591	47.80	ng	97
51) Acenaphthene	14.40	154	583031	45.99	ng	92
52) 3-Nitroaniline	14.24	138	47962	12.59	ng	99
53) 2,4-Dinitrophenol	14.46	184	244512	79.06	ng	# 87
54) Dibenzofuran	14.73	168	984939	47.08	ng	94
55) 4-Nitrophenol	14.57	139	238201	90.85	ng	91
56) 2,4-Dinitrotoluene	14.71	165	295002	49.78	ng	# 88
57) Fluorene	15.38	166	898183	47.60	ng	94
58) 2,3,4,6-Tetrachlorophenol	14.97	232	350200	50.23	ng	96
59) Diethylphthalate	15.16	149	875692	47.80	ng	99
60) 4-Chlorophenyl-phenylether	15.38	204	604582	48.17	ng	98
61) 4-Nitroaniline	15.41	138	178438	44.15	ng	# 67
62) Azobenzene	15.67	77	1233792	41.60	ng	96
64) 4,6-Dinitro-2-methylphenol	15.47	198	223503	41.73	ng	92
65) n-Nitrosodiphenylamine	15.60	169	864154	40.81	ng	91
66) 4-Bromophenyl-phenylether	16.27	248	470661	43.43	ng	99
67) Hexachlorobenzene	16.39	284	524224	44.74	ng	# 88
68) Atrazine	16.55	200	330201	32.40	ng	99
69) Pentachlorophenol	16.74	266	539365	81.93	ng	96
70) Phenanthrene	17.12	178	1552922	41.71	ng	97
71) Anthracene	17.21	178	1560592	42.71	ng	98
72) Carbazole	17.49	167	1336328	41.49	ng	95
73) Di-n-butylphthalate	18.05	149	1572258	42.41	ng	97
74) Fluoranthene	19.14	202	2092188	42.08	ng	98
76) Benzidine	19.35	184	33146	3.18	ng	# 85
77) Pyrene	19.51	202	2206983	42.91	ng	99
79) Butylbenzylphthalate	20.41	149	773088	41.00	ng	93
80) Benzo(a)anthracene	21.25	228	2453120	44.70	ng	98
81) 3,3'-Dichlorobenzidine	21.19	252	335217	13.86	ng	94
82) Chrysene	21.31	228	2292991	43.76	ng	98
83) Bis(2-ethylhexyl)phthalate	21.18	149	1079559	42.58	ng	97
84) Di-n-octyl phthalate	22.06	149	1706362	43.50	ng	97
85) Indeno(1,2,3-cd)pyrene	25.83	276	2892647	45.58	ng	99
87) Benzo(b)fluoranthene	22.84	252	2560706	43.11	ng	# 97
88) Benzo(k)fluoranthene	22.89	252	2559851	44.52	ng	99
89) Benzo(a)pyrene	23.43	252	2508549	43.90	ng	# 99
90) Dibenzo(a,h)anthracene	25.83	278	2360160	43.51	ng	100
91) Benzo(g,h,i)perylene	26.52	276	2361223	44.61	ng	# 97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 850

Delta R.T. -0.01 min

Lab File: BG015956.D

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Instrument :

BNA_G

ClientSampleId :

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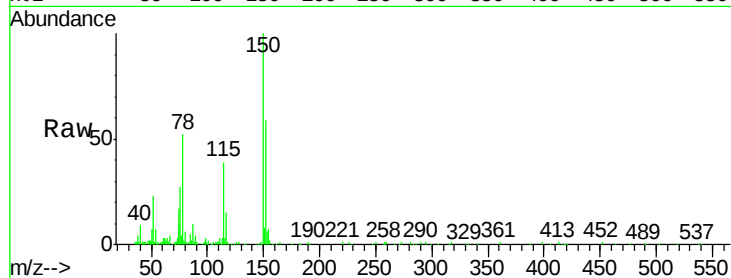
Tgt Ion:152 Resp: 71587

Ion Ratio Lower Upper

152 100

150 168.3 124.5 186.7

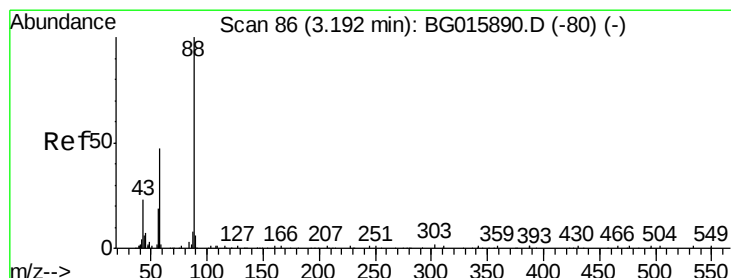
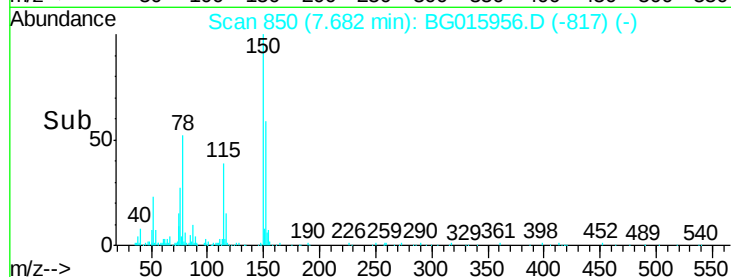
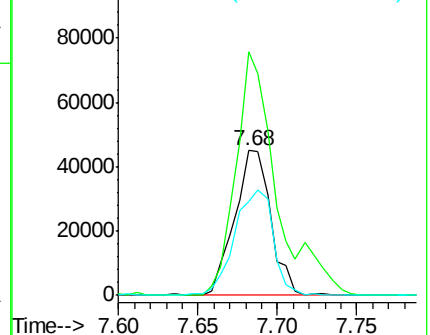
115 65.2 60.4 90.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.74 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

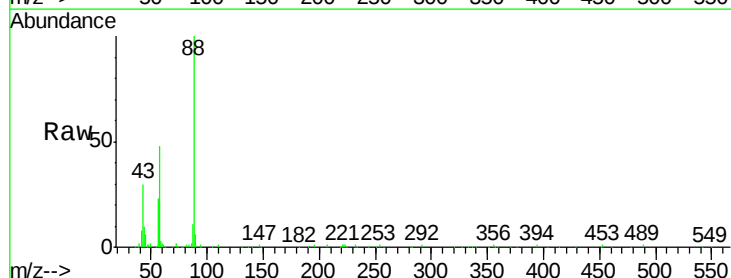
Tgt Ion: 88 Resp: 81049

Ion Ratio Lower Upper

88 100

58 52.1 40.4 60.6

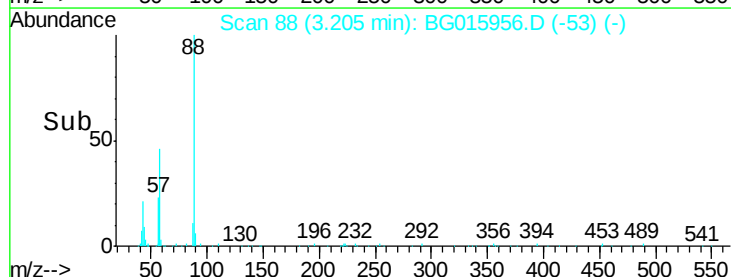
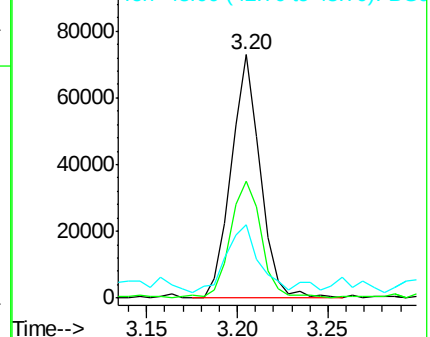
43 31.3 19.2 28.8#

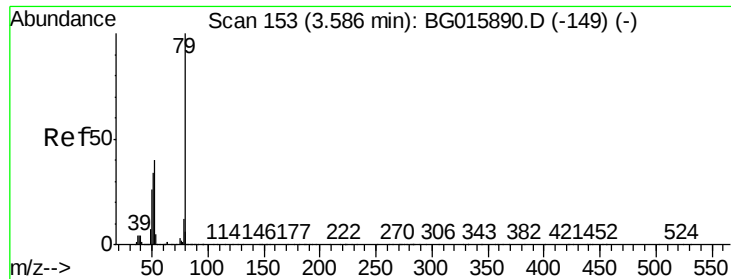


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 25.85 ng

RT: 3.59 min Scan# 154

Delta R.T. 0.01 min

Lab File: BG015956.D

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Instrument :

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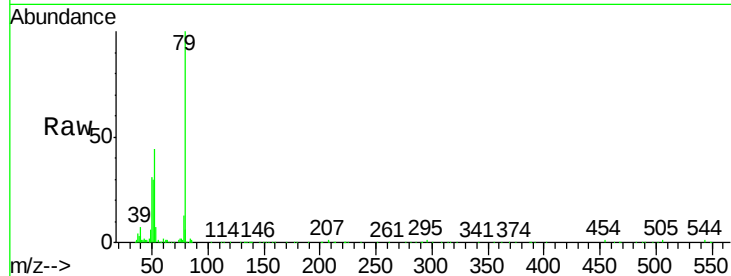
Tgt Ion: 79 Resp: 215775

Ion Ratio Lower Upper

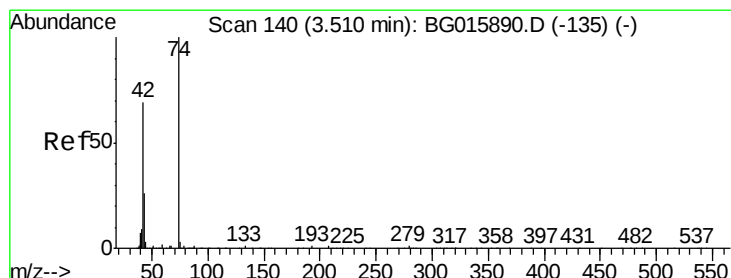
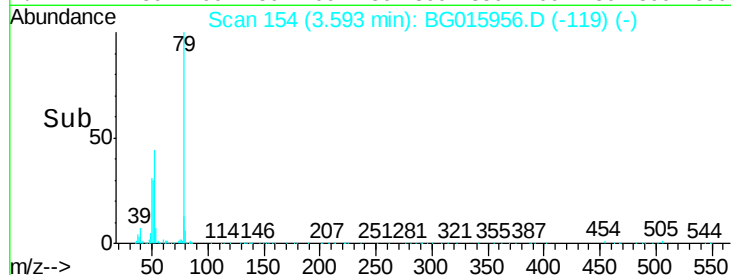
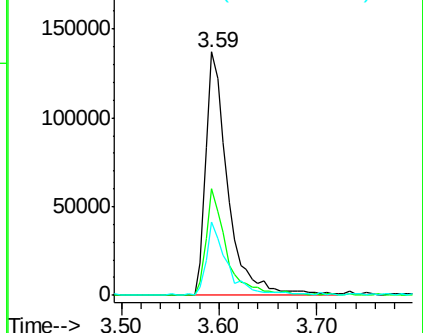
79 100

52 44.0 31.8 47.6

51 30.0 27.3 40.9



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



#4

n-Nitrosodimethylamine

Concen: 35.32 ng

RT: 3.51 min Scan# 140

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

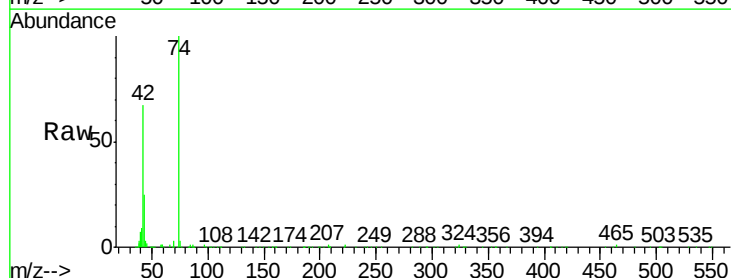
Tgt Ion: 42 Resp: 113880

Ion Ratio Lower Upper

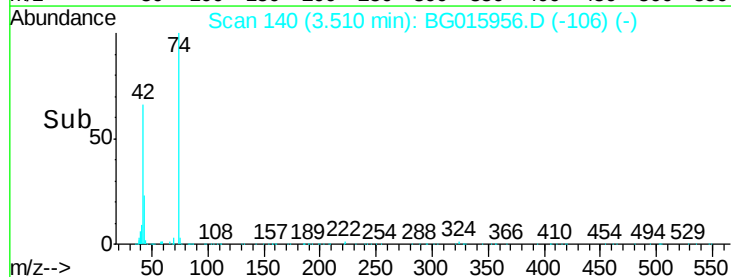
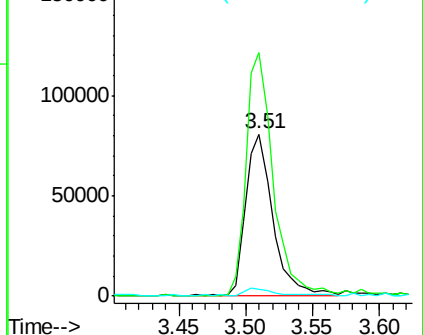
42 100

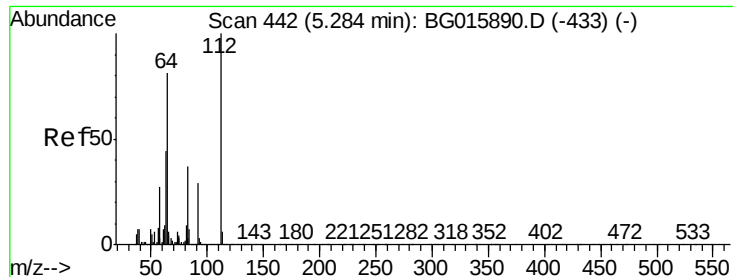
74 150.2 116.0 174.0

44 4.5 3.8 5.8



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





#5

2-Fluorophenol

Concen: 121.76 ng

RT: 5.28 min Scan# 442

Delta R.T. 0.01 min

Lab File: BG015956.D

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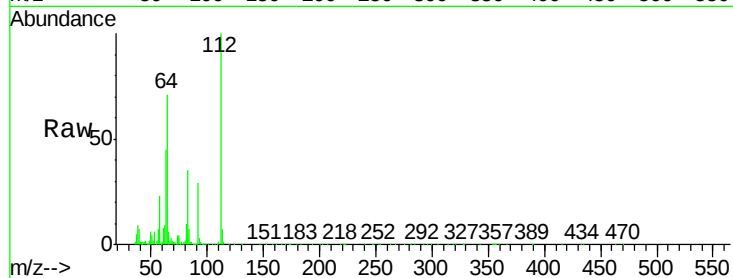
Tgt Ion: 112 Resp: 585334

Ion Ratio Lower Upper

112 100

64 71.4 64.4 96.6

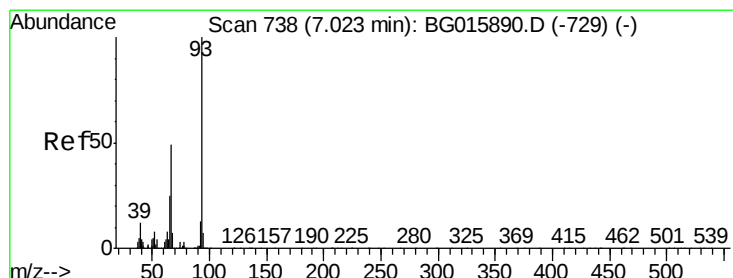
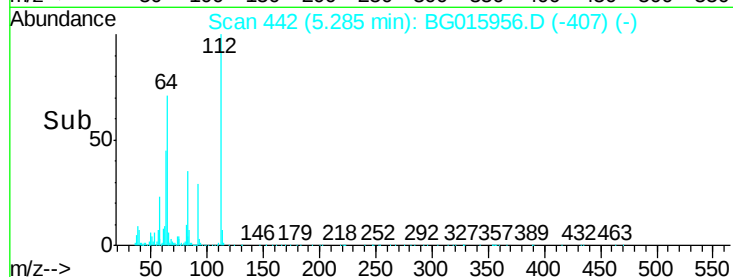
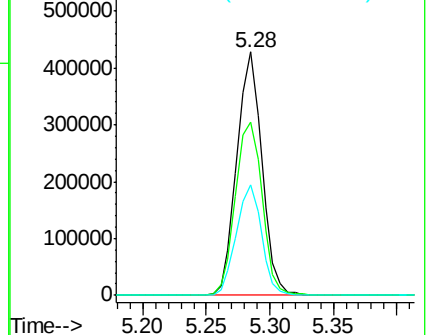
63 45.3 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0



#6

Aniline

Concen: 10.67 ng

RT: 7.02 min Scan# 737

Delta R.T. -0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

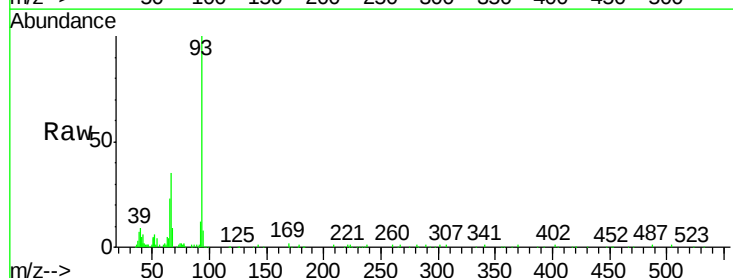
Tgt Ion: 93 Resp: 118999

Ion Ratio Lower Upper

93 100

66 35.0 39.0 58.6#

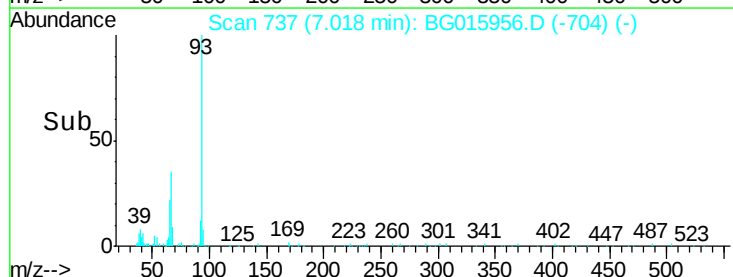
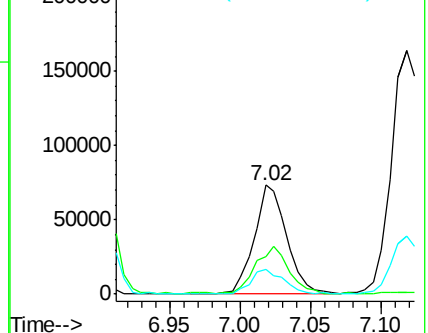
65 22.8 19.8 29.6

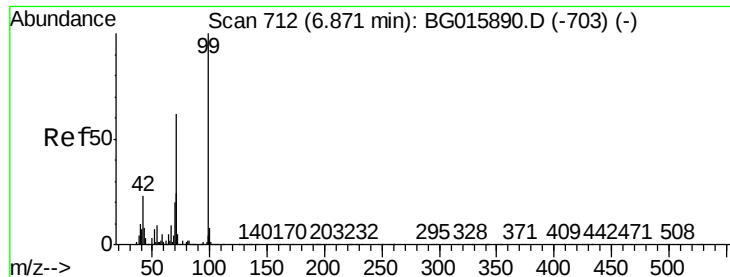


Abundance Ion 93.00 (92.70 to 93.70): BG0

Ion 66.00 (65.70 to 66.70): BG0

Ion 65.00 (64.70 to 65.70): BG0





#7

Phenol-d6

Concen: 115.02 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

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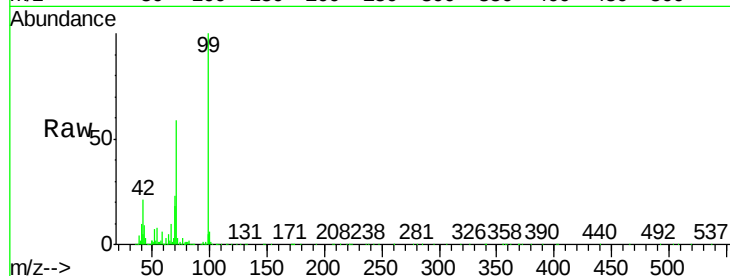
Tgt Ion: 99 Resp: 891011

Ion Ratio Lower Upper

99 100

42 21.4 18.1 27.1

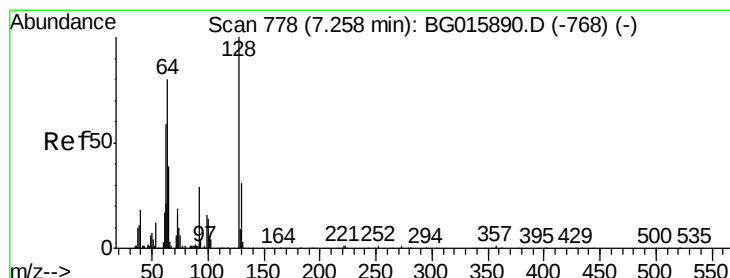
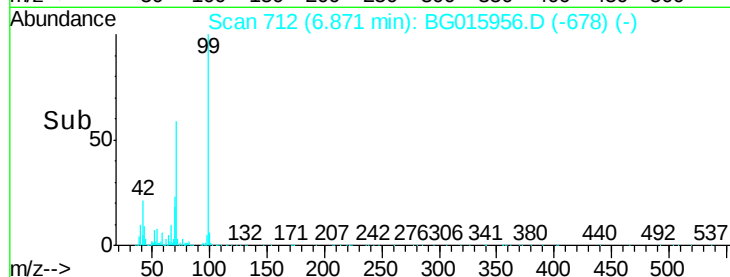
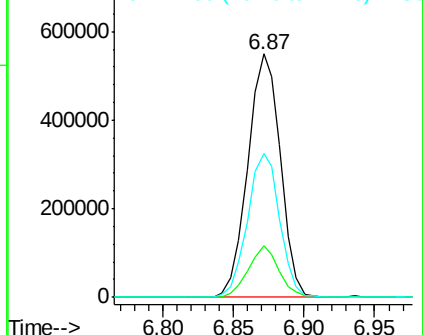
71 59.3 49.8 74.8



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 41.90 ng

RT: 7.26 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

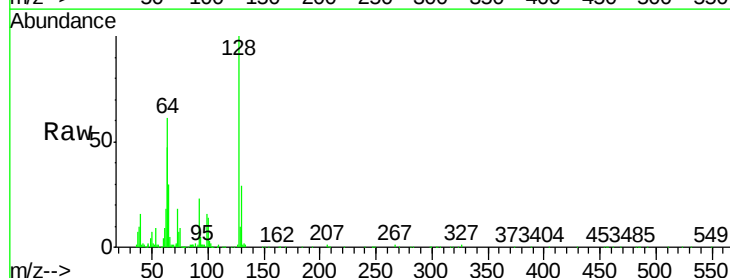
Tgt Ion: 128 Resp: 193282

Ion Ratio Lower Upper

128 100

130 28.9 11.0 51.0

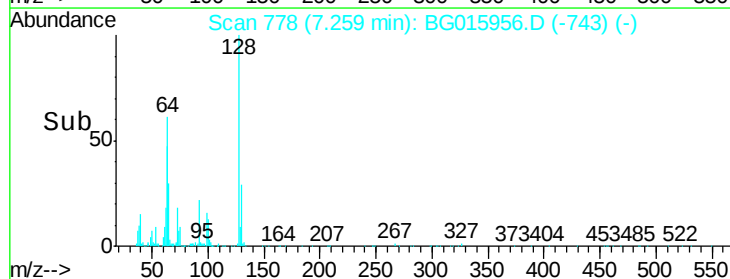
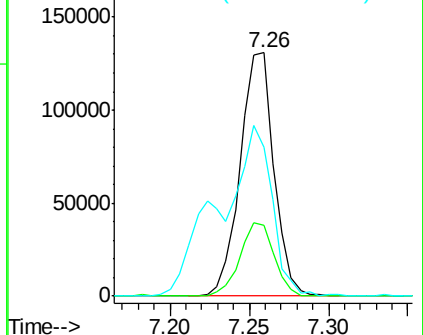
64 60.9 60.7 100.7

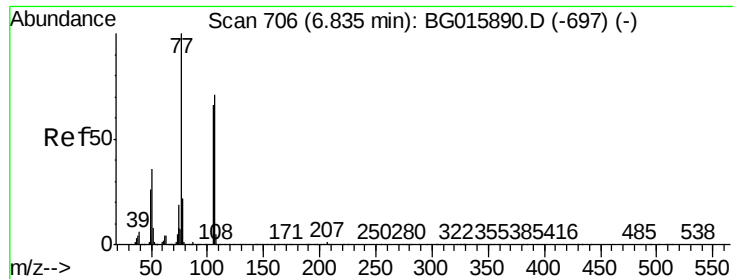


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 3.51 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.01 min

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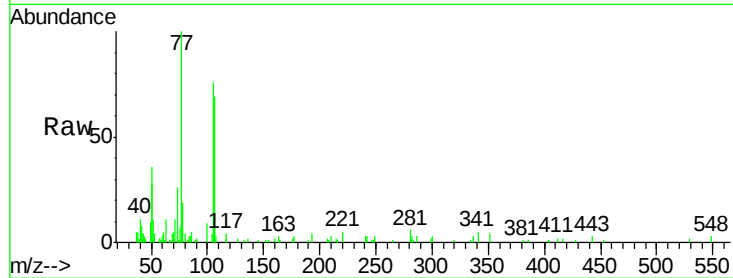
Tgt Ion: 77 Resp: 24780

Ion Ratio Lower Upper

77 100

105 75.9 46.0 86.0

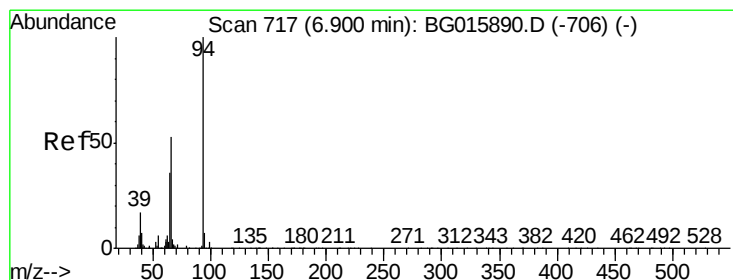
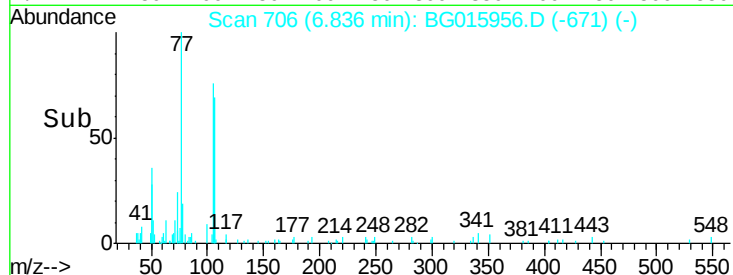
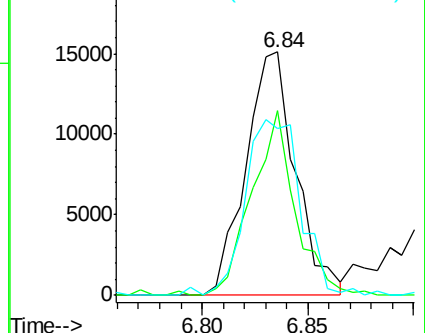
106 68.7 51.1 91.1



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



#10

Phenol

Concen: 37.41 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

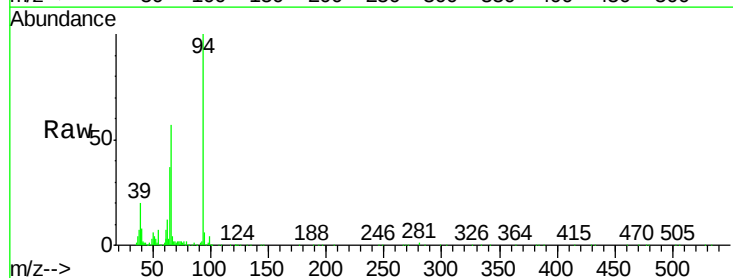
Tgt Ion: 94 Resp: 330323

Ion Ratio Lower Upper

94 100

65 37.1 16.5 56.5

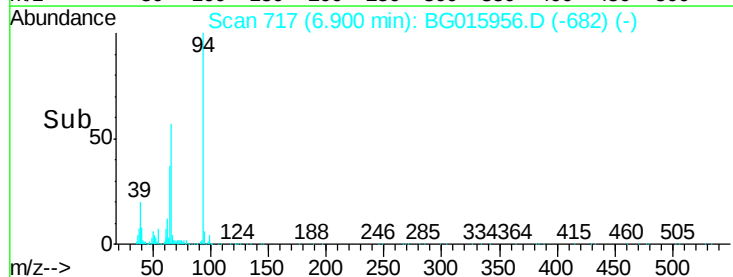
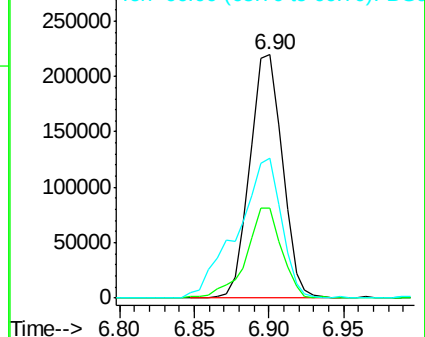
66 57.5 33.3 73.3

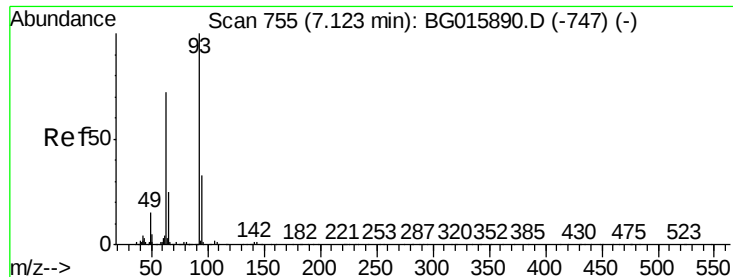


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

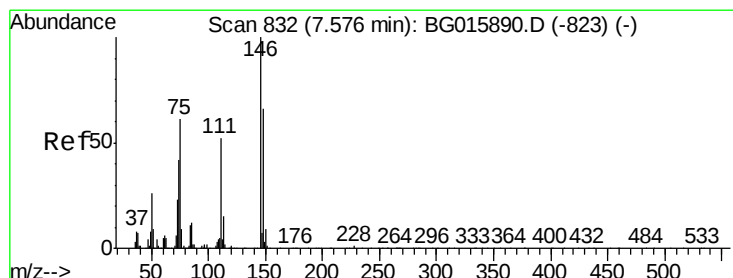
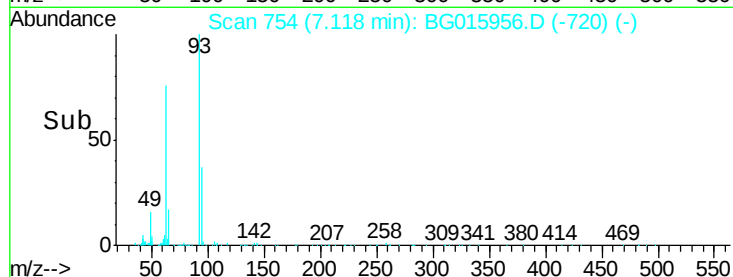
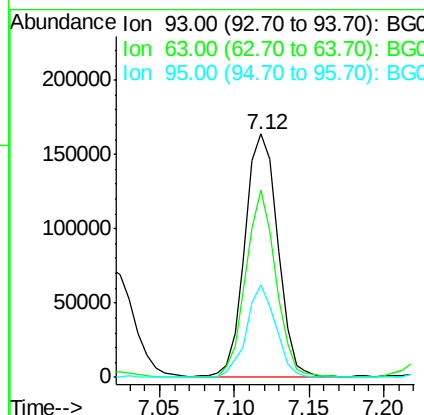
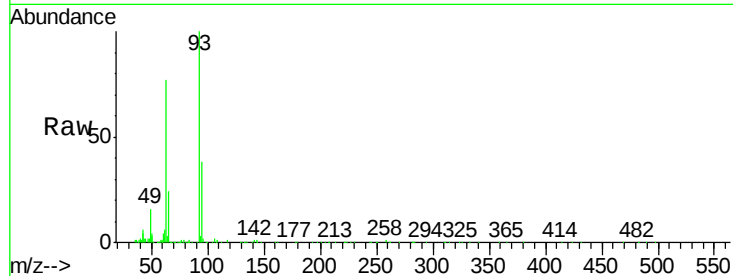




#11
bis(2-Chloroethyl)ether
Concen: 36.23 ng
RT: 7.12 min Scan# 754
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

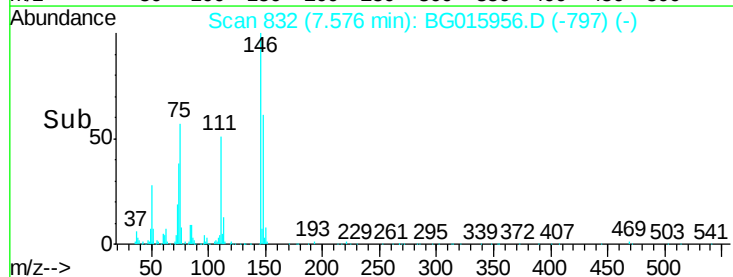
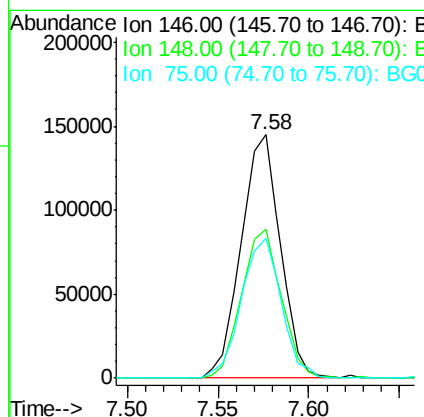
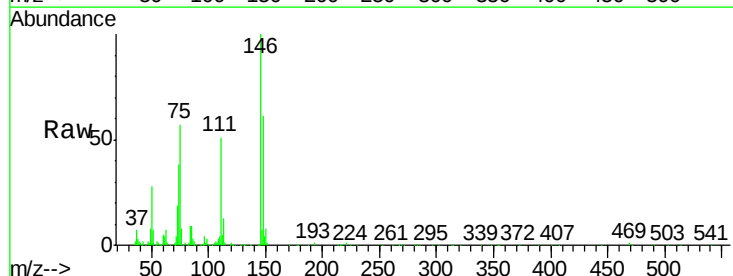
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

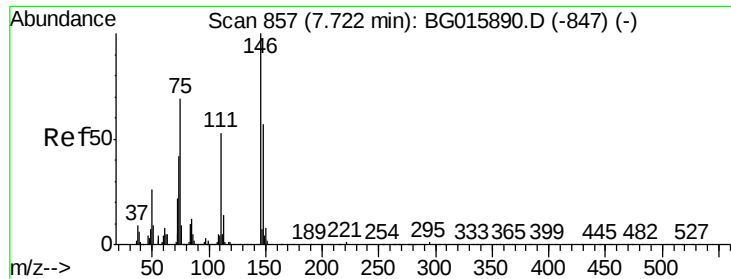
Tgt Ion:	93	Resp:	247201
Ion	Ratio	Lower	Upper
93	100		
63	77.1	51.7	91.7
95	38.0	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 39.90 ng
RT: 7.58 min Scan# 832
Delta R.T. 0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:	146	Resp:	217823
Ion	Ratio	Lower	Upper
146	100		
148	61.3	53.0	79.4
75	57.4	48.6	72.8

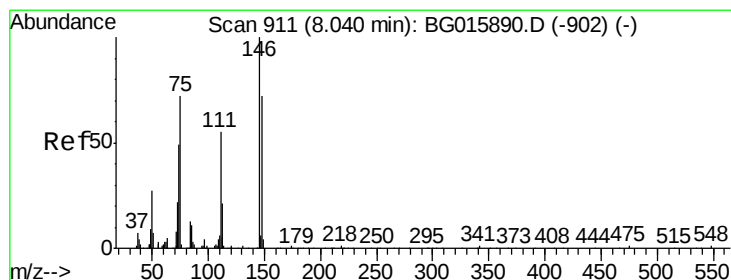
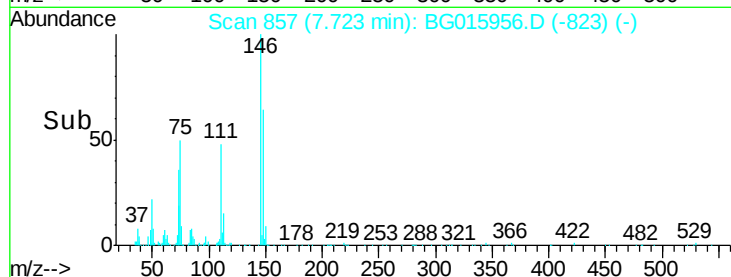
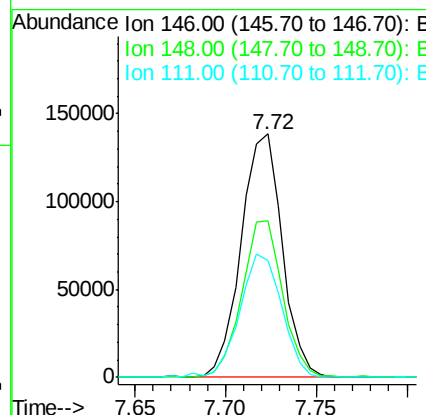
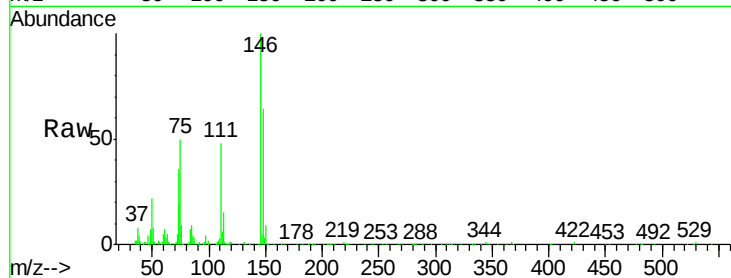




#13
1,4-Dichlorobenzene
Concen: 38.71 ng
RT: 7.72 min Scan# 857
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

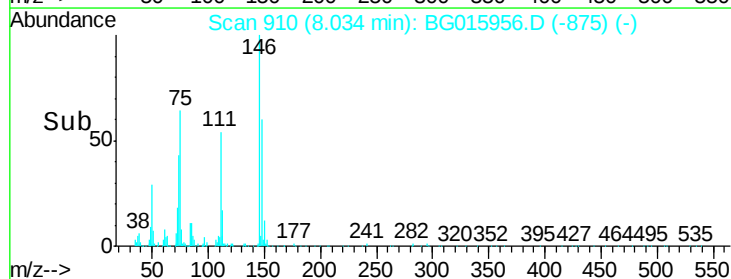
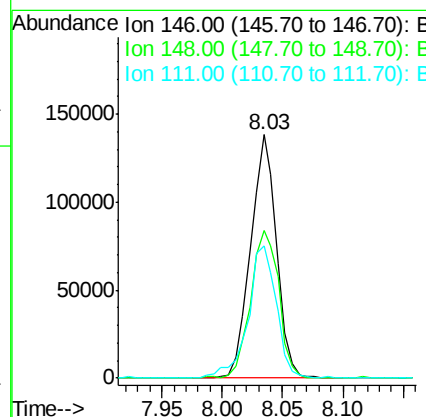
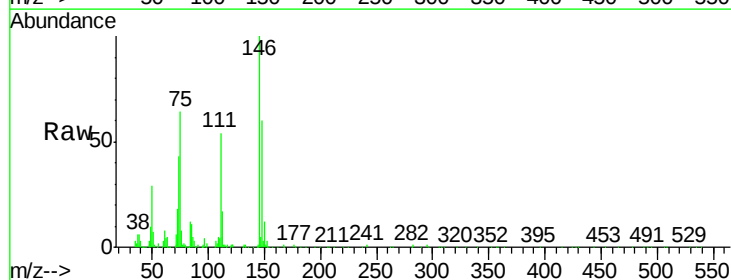
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

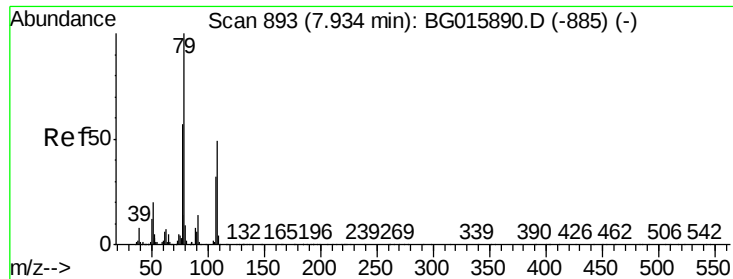
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	45.7	68.5
111	47.9	42.1	63.1



#14
1,2-Dichlorobenzene
Concen: 37.37 ng
RT: 8.03 min Scan# 910
Delta R.T. 0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.4	57.7	86.5
111	54.3	44.6	66.8





#15

Benzyl Alcohol

Concen: 37.01 ng

RT: 7.93 min Scan# 892

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

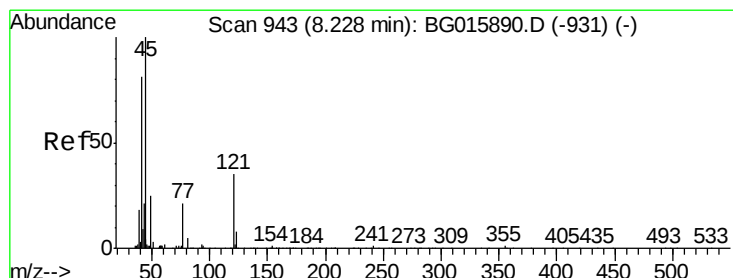
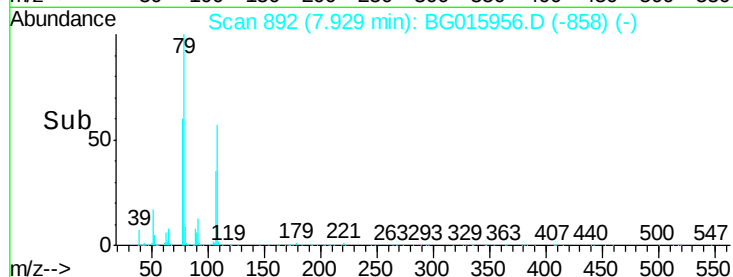
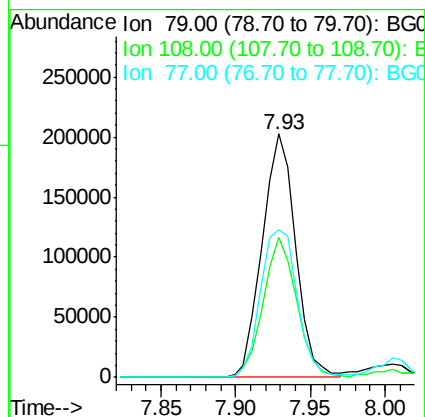
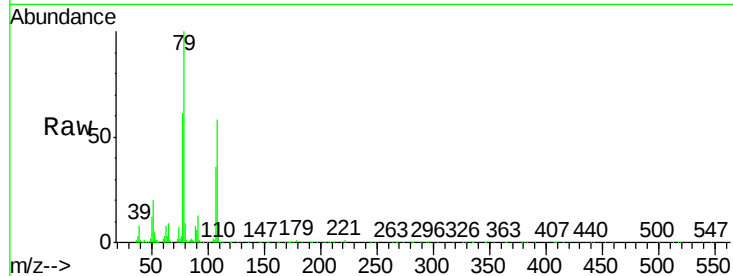
Tgt Ion: 79 Resp: 313655

Ion Ratio Lower Upper

79 100

108 57.7 38.9 58.3

77 60.6 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.59 ng

RT: 8.22 min Scan# 942

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

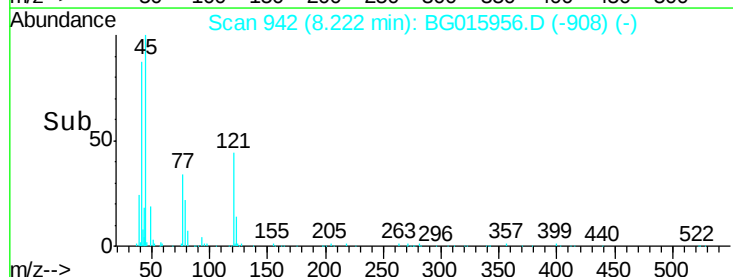
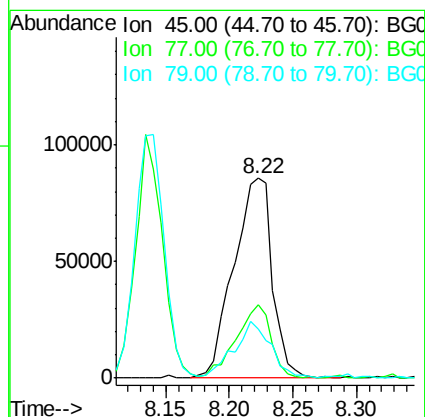
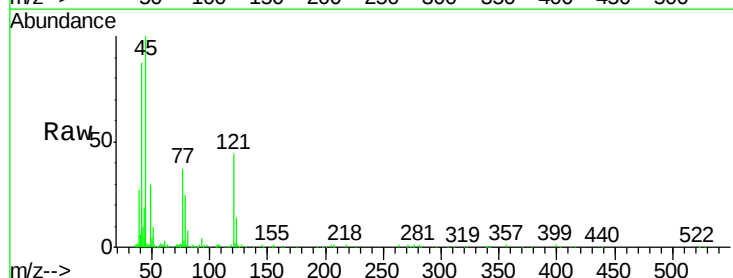
Tgt Ion: 45 Resp: 179704

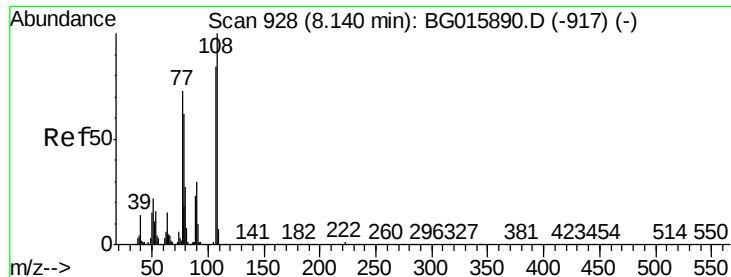
Ion Ratio Lower Upper

45 100

77 36.9 16.0 56.0

79 24.8 0.0 38.7

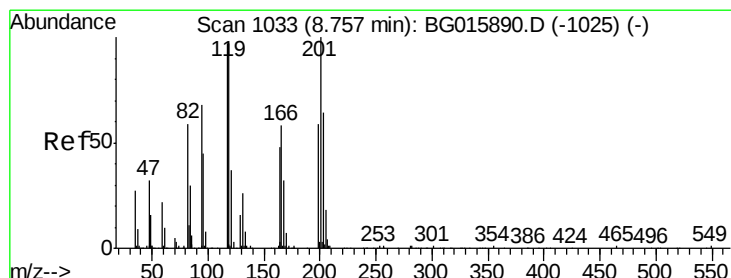
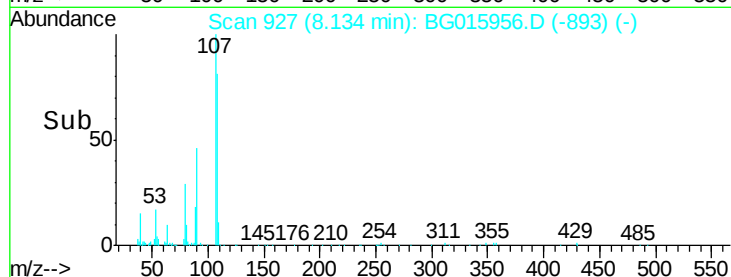
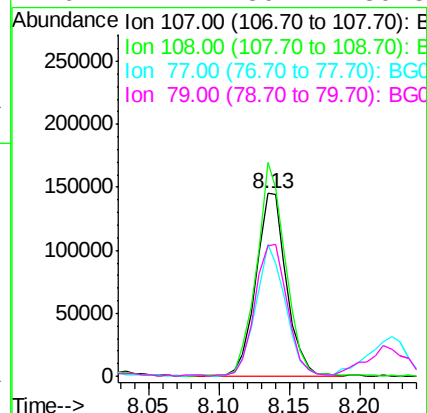
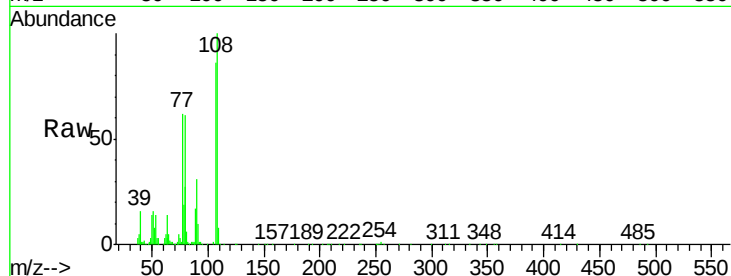




#17
2-Methylphenol
Concen: 40.38 ng
RT: 8.13 min Scan# 927
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

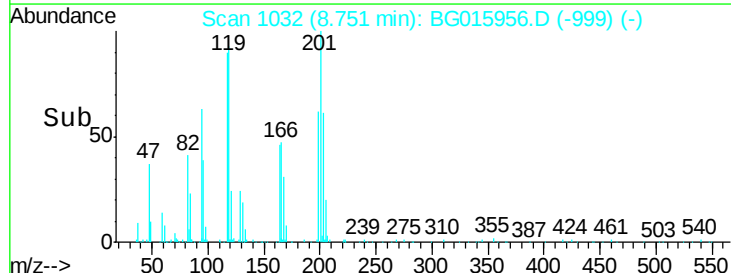
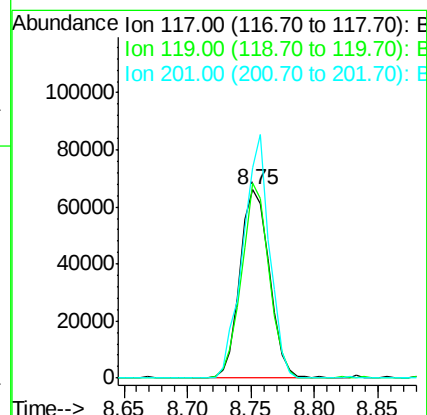
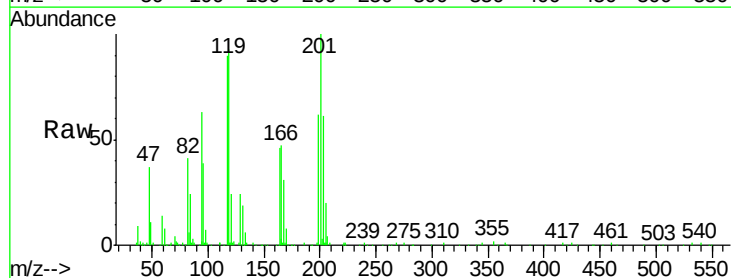
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

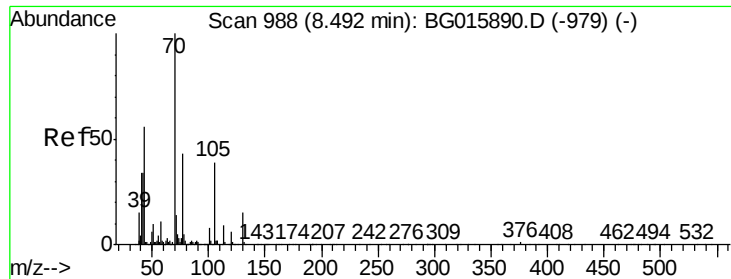
Tgt Ion:	107	Resp:	220913
Ion	Ratio	Lower	Upper
107	100		
108	116.9	95.1	142.7
77	71.9	69.2	103.8
79	71.7	59.7	89.5



#18
Hexachloroethane
Concen: 36.70 ng
RT: 8.75 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:	117	Resp:	106343
Ion	Ratio	Lower	Upper
117	100		
119	105.3	80.2	120.2
201	115.2	82.6	124.0

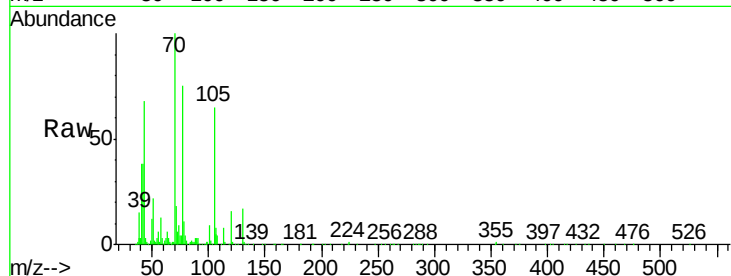




#19
n-Nitroso-di-n-propylamine
Concen: 35.41 ng
RT: 8.49 min Scan# 988
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

Tgt Ion:	70	Resp:	273682
Ion	Ratio	Lower	Upper
70	100		
42	37.6	26.8	40.2
101	9.1	6.3	9.5
130	16.8	12.2	18.4



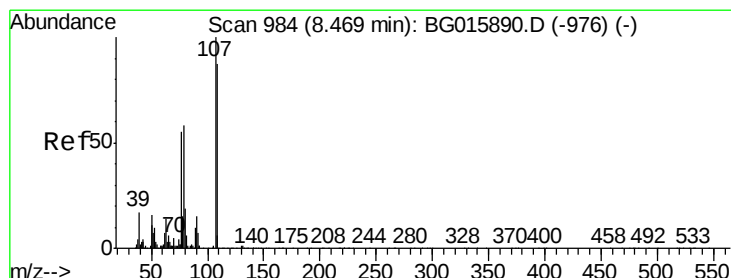
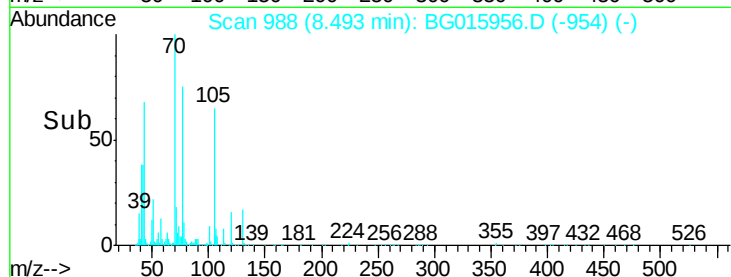
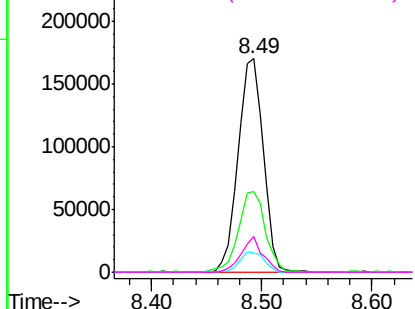
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

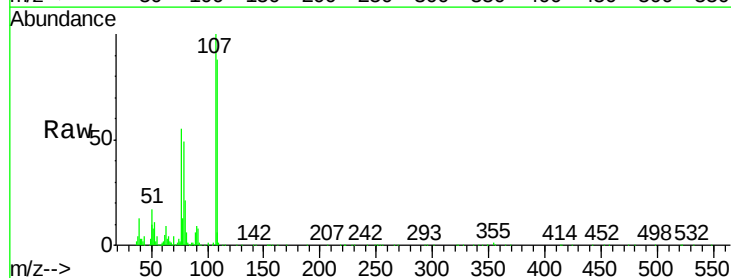
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 42.25 ng
RT: 8.46 min Scan# 983
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:	107	Resp:	302928
Ion	Ratio	Lower	Upper
107	100		
108	87.9	66.9	106.9
77	54.6	34.8	74.8
79	49.1	38.0	78.0



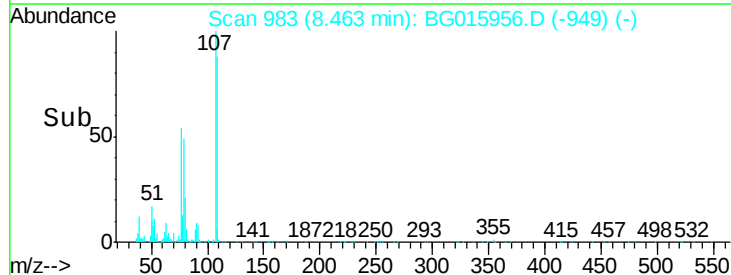
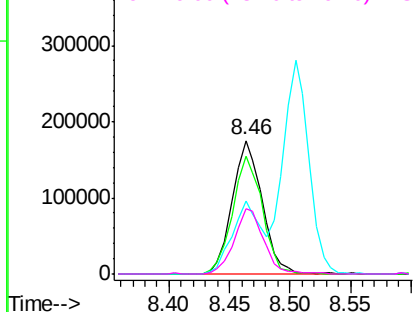
Abundance

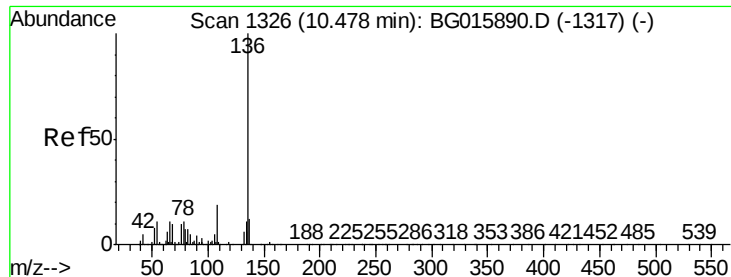
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

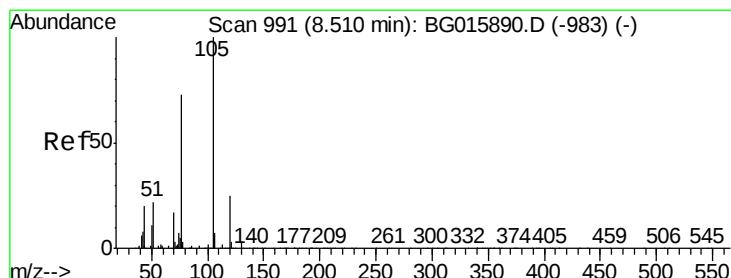
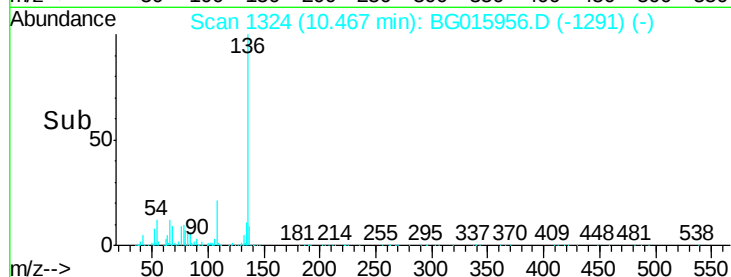
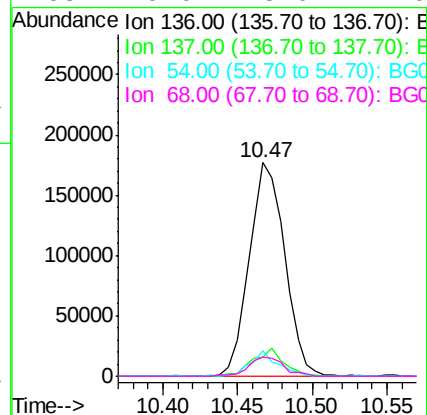
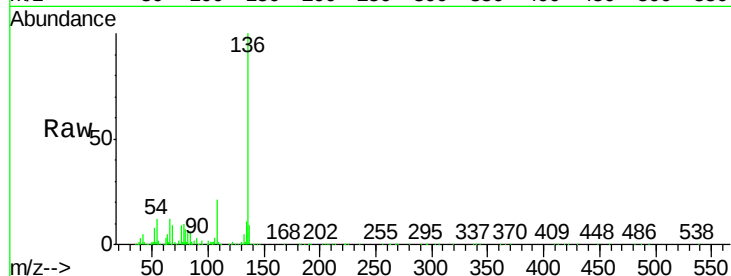




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.47 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

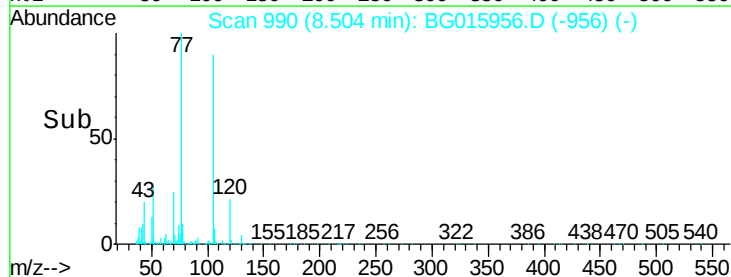
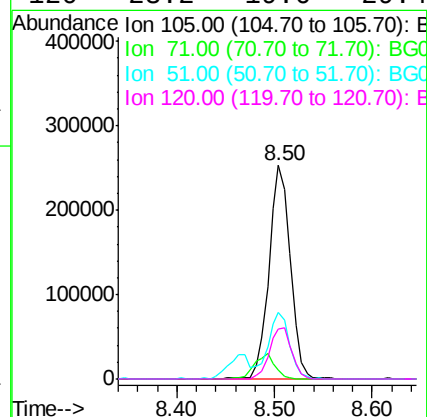
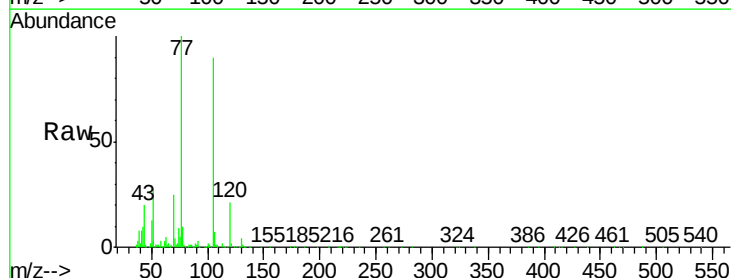
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

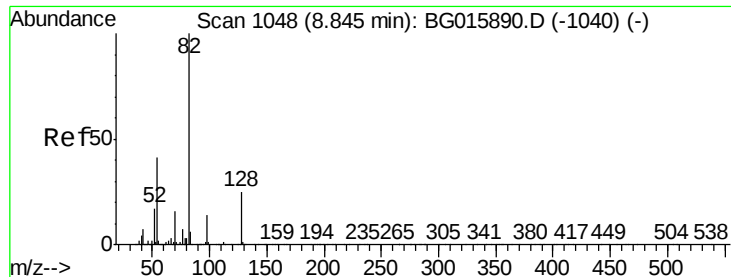
Tgt Ion:	136	Resp:	290151
Ion	Ratio	Lower	Upper
136	100		
137	8.9	9.7	14.5#
54	12.2	8.5	12.7
68	9.0	8.0	12.0



#22
Acetophenone
Concen: 40.15 ng
RT: 8.50 min Scan# 990
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:	105	Resp:	390402
Ion	Ratio	Lower	Upper
105	100		
71	4.1	2.4	3.6#
51	31.2	24.6	36.8
120	23.2	19.6	29.4

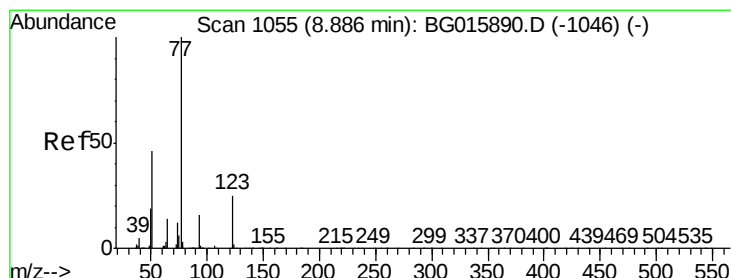
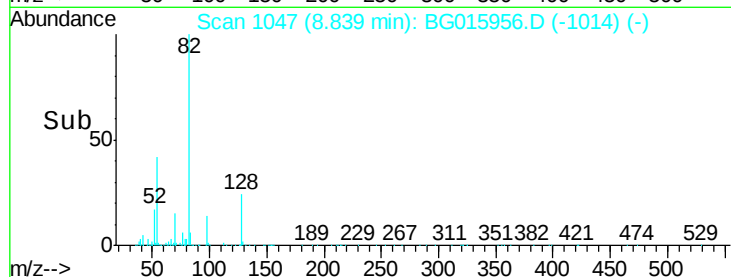
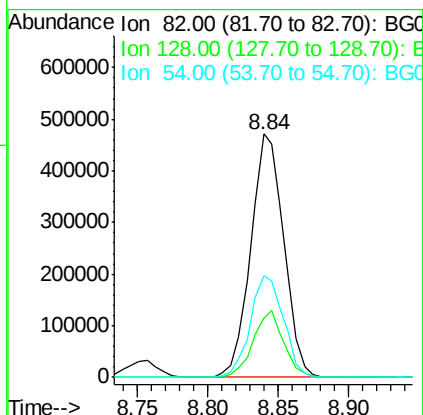
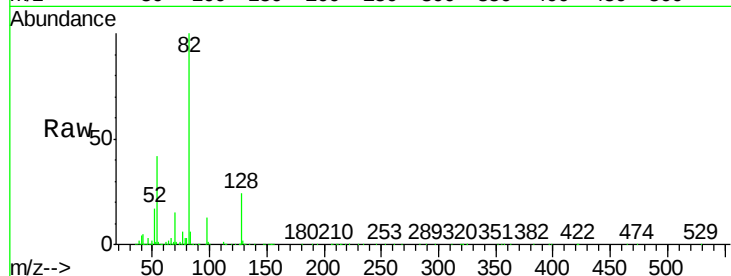




#23
 Nitrobenzene-d5
 Concen: 76.87 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

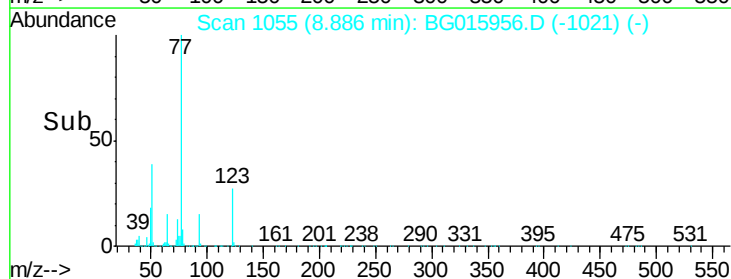
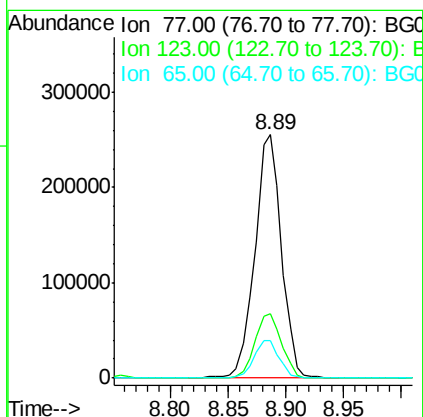
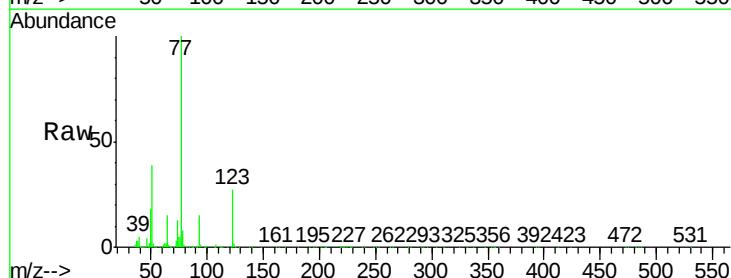
Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

Tgt Ion: 82 Resp: 773720
 Ion Ratio Lower Upper
 82 100
 128 24.4 19.8 29.8
 54 41.5 33.0 49.4



#24
 Nitrobenzene
 Concen: 38.72 ng
 RT: 8.89 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

Tgt Ion: 77 Resp: 409917
 Ion Ratio Lower Upper
 77 100
 123 26.6 20.0 30.0
 65 15.2 11.0 16.4





#25

Isophorone

Concen: 40.06 ng

RT: 9.40 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

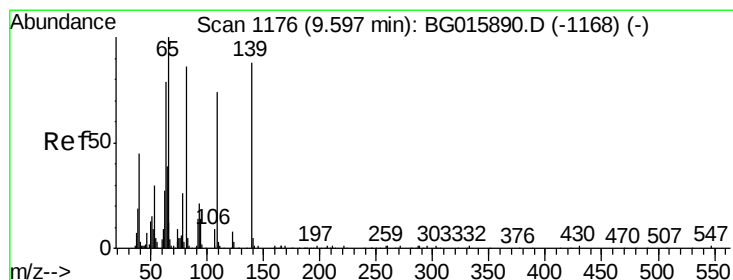
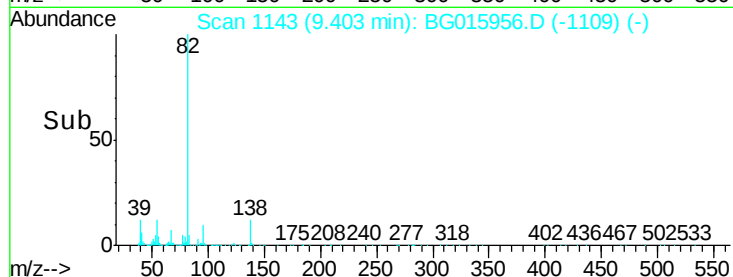
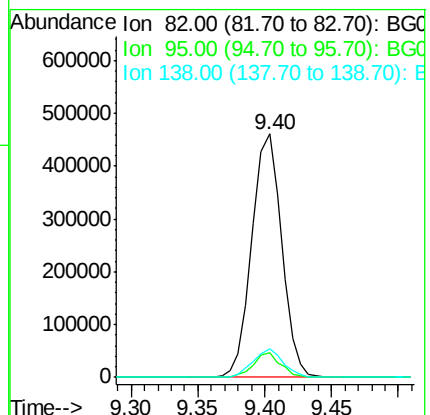
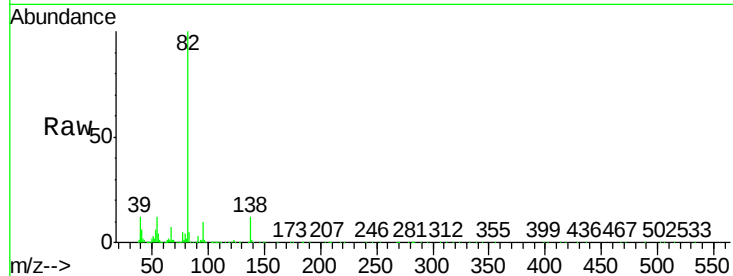
Tgt Ion: 82 Resp: 712933

Ion Ratio Lower Upper

82 100

95 10.0 8.1 12.1

138 11.6 9.1 13.7



#26

2-Nitrophenol

Concen: 41.56 ng

RT: 9.59 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

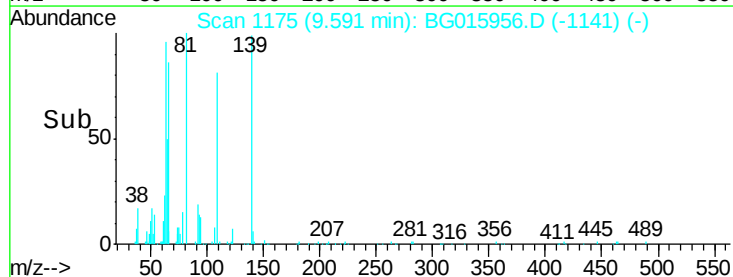
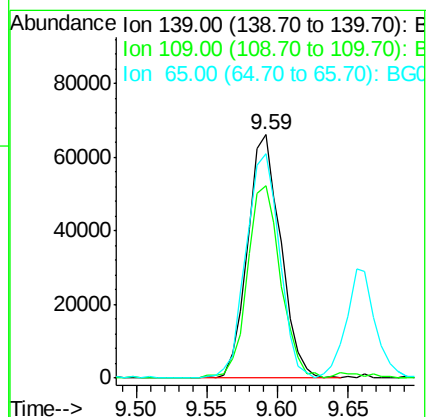
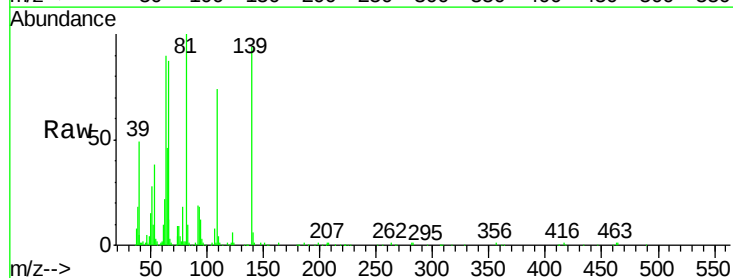
Tgt Ion: 139 Resp: 108954

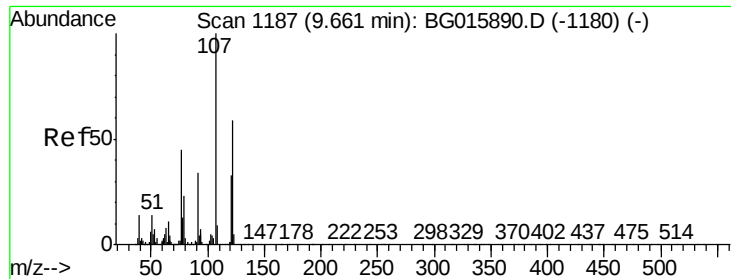
Ion Ratio Lower Upper

139 100

109 78.8 67.2 100.8

65 92.4 91.3 136.9

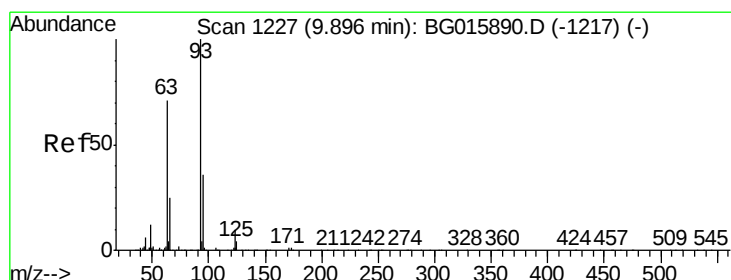
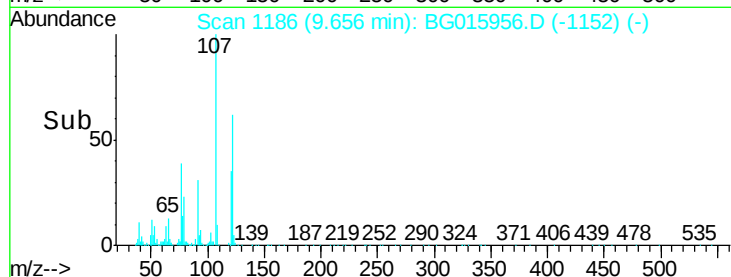
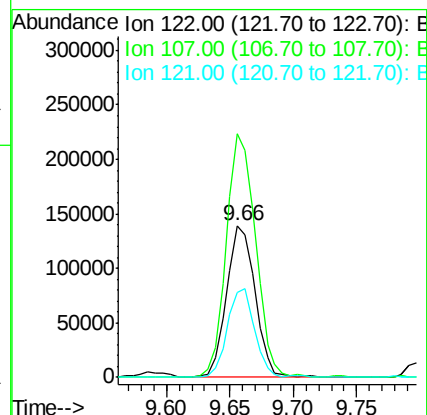
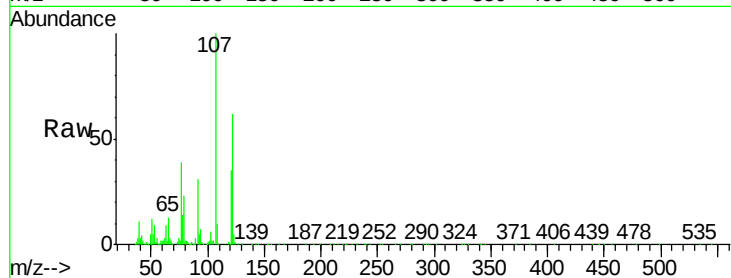




#27
 2,4-Dimethylphenol
 Concen: 43.29 ng
 RT: 9.66 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

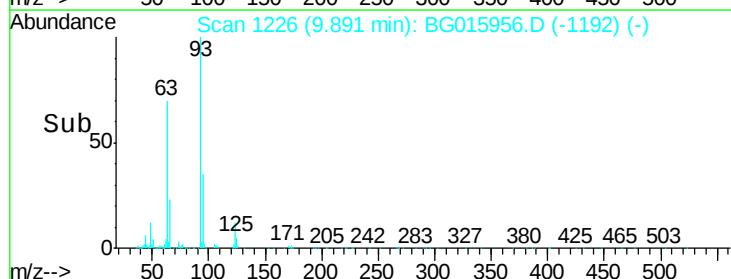
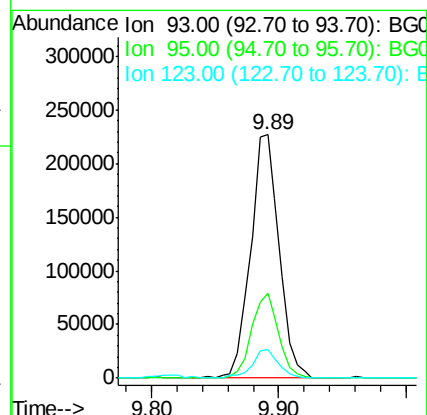
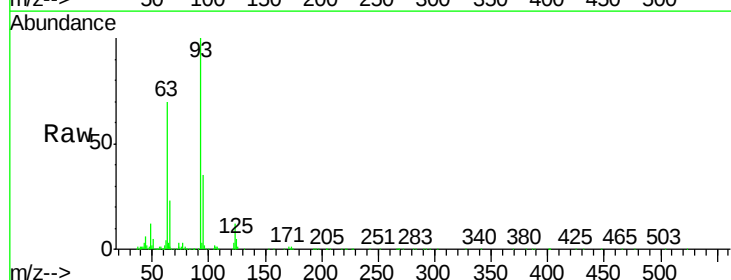
Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

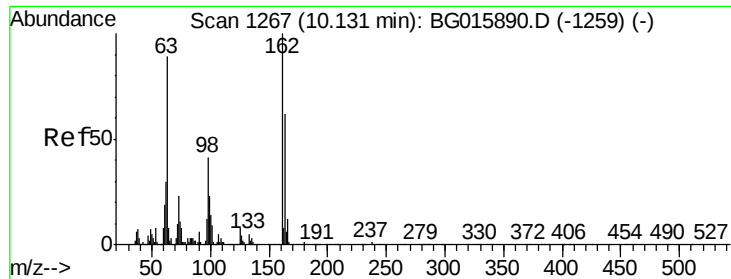
Tgt Ion	Ratio	Lower	Upper
122	100		
107	160.4	136.8	205.2
121	55.8	44.9	67.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.12 ng
 RT: 9.89 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.1	28.6	42.8
123	11.9	7.9	11.9

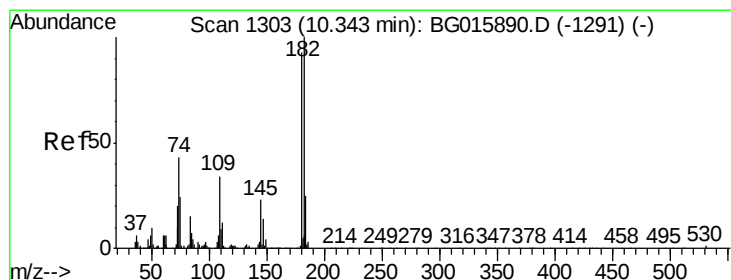
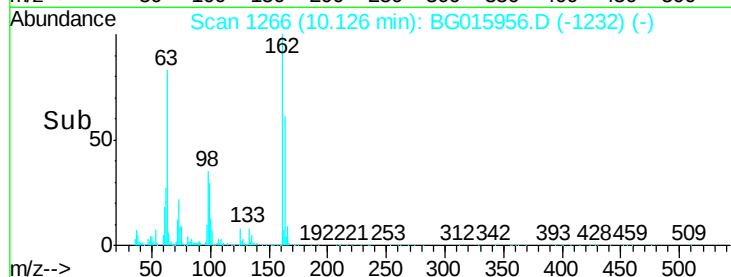
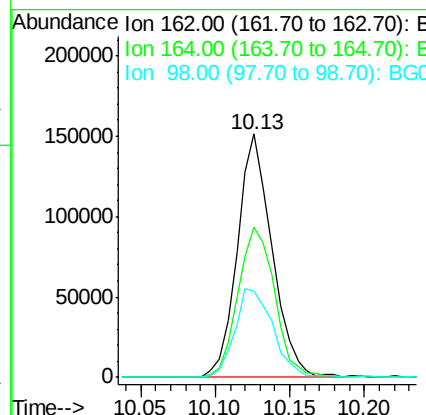
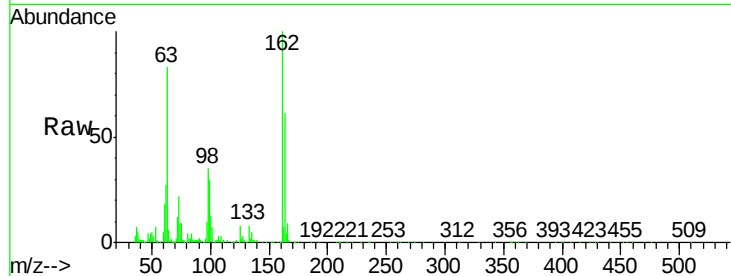




#29
2,4-Dichlorophenol
Concen: 46.67 ng
RT: 10.13 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

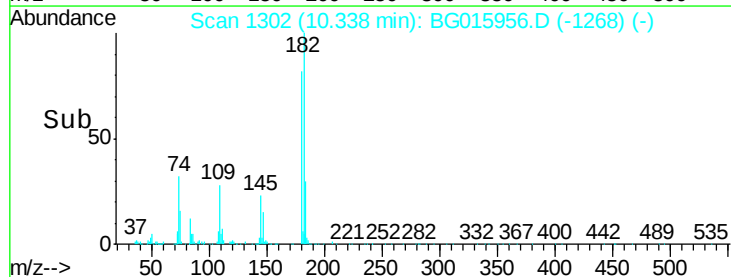
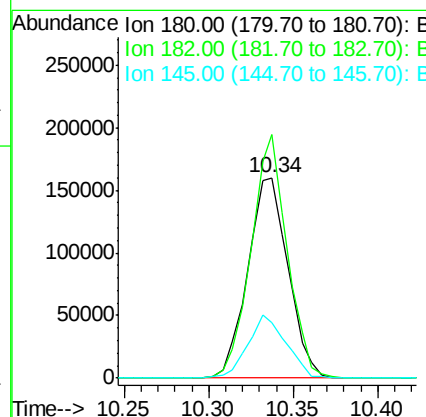
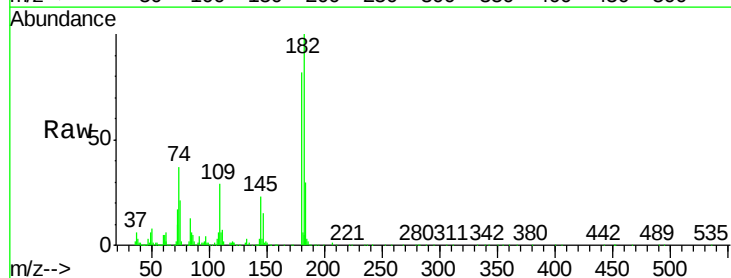
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

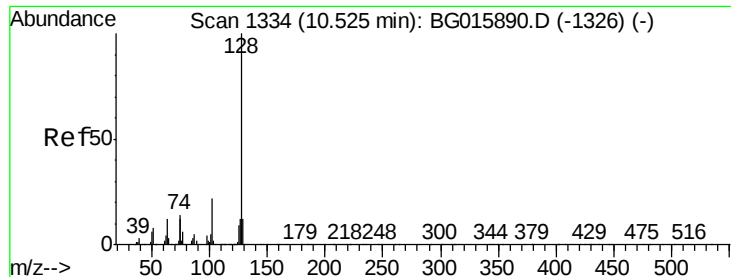
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.5	42.5	82.5
98	35.2	21.1	61.1



#30
1,2,4-Trichlorobenzene
Concen: 41.94 ng
RT: 10.34 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	121.3	86.4	129.6
145	27.9	20.1	30.1

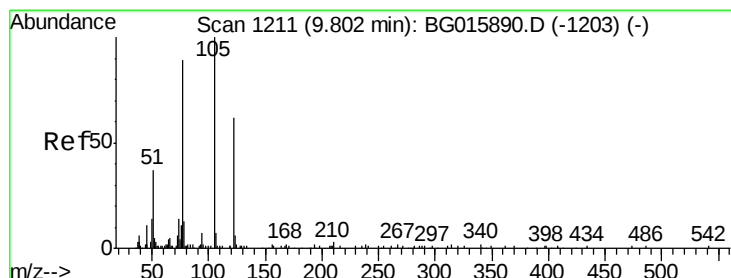
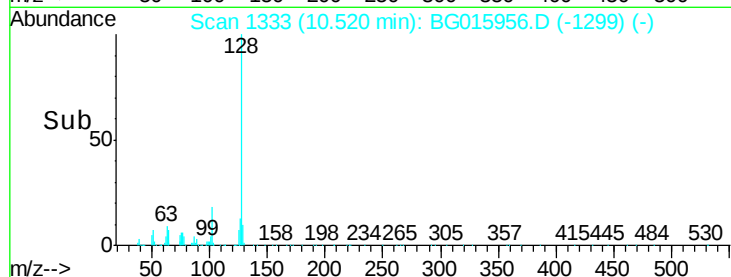
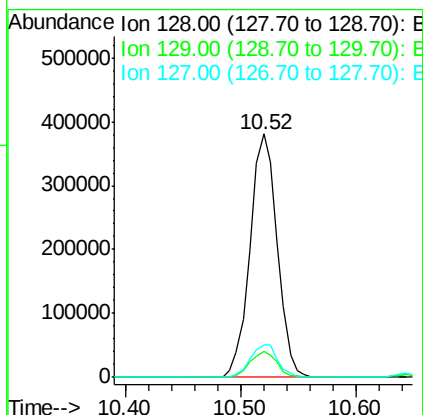
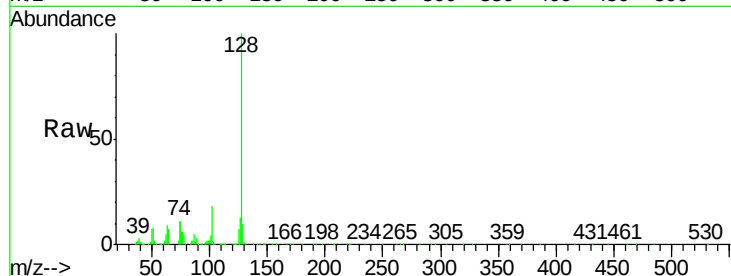




#31
Naphthalene
Concen: 42.04 ng
RT: 10.52 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

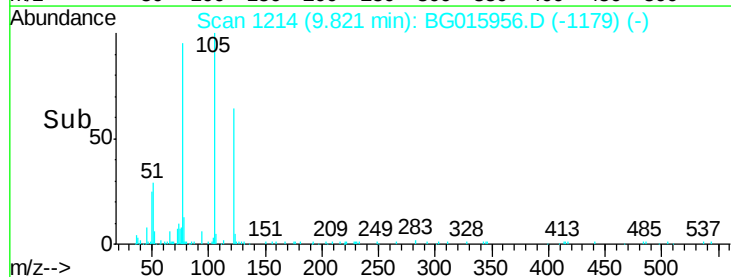
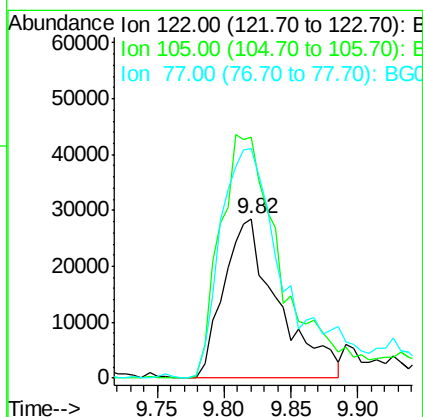
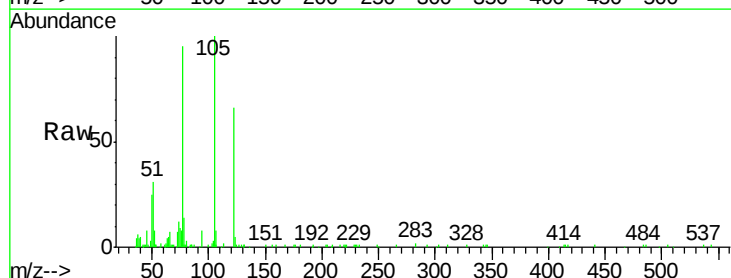
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

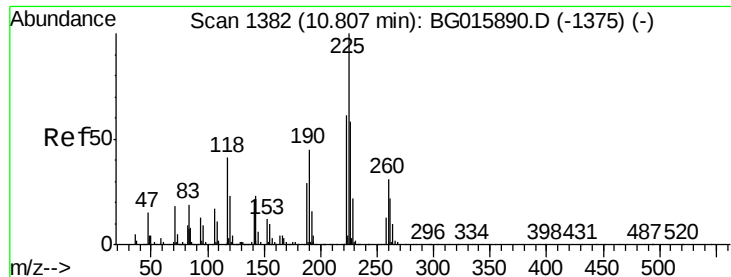
Tgt Ion:128 Resp: 624264
Ion Ratio Lower Upper
128 100
129 10.5 9.7 14.5
127 13.3 9.8 14.6



#32
Benzoic acid
Concen: 48.69 ng
RT: 9.82 min Scan# 1214
Delta R.T. 0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:122 Resp: 80924
Ion Ratio Lower Upper
122 100
105 151.0 140.2 180.2
77 144.0 126.4 166.4

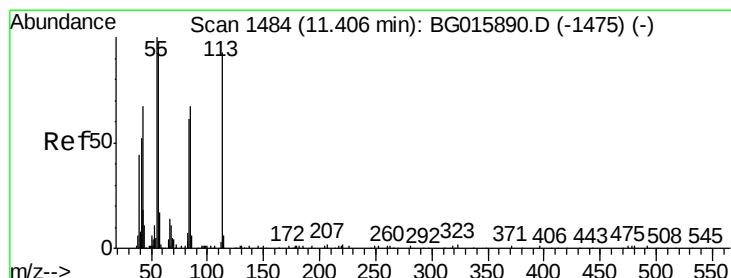
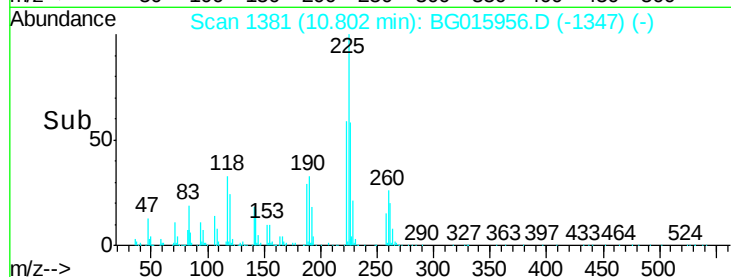
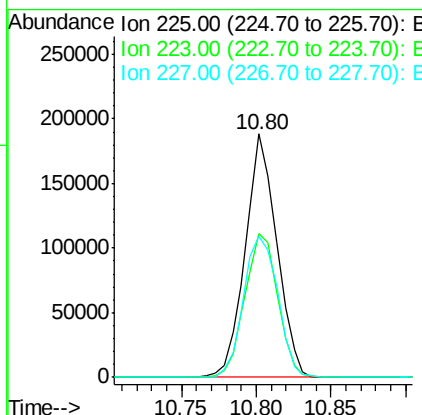
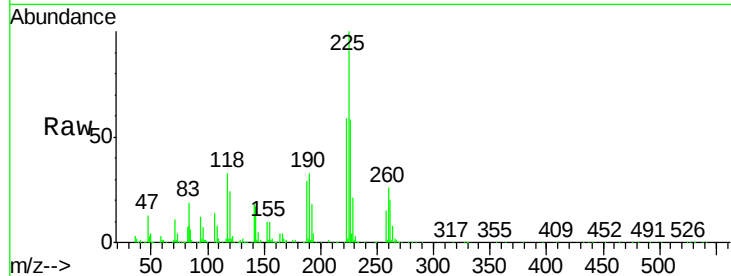




#34
Hexachlorobutadiene
Concen: 44.33 ng
RT: 10.80 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

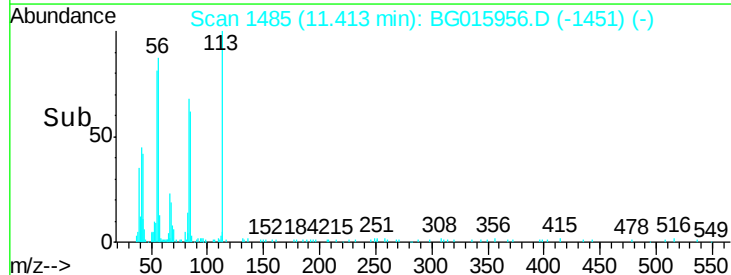
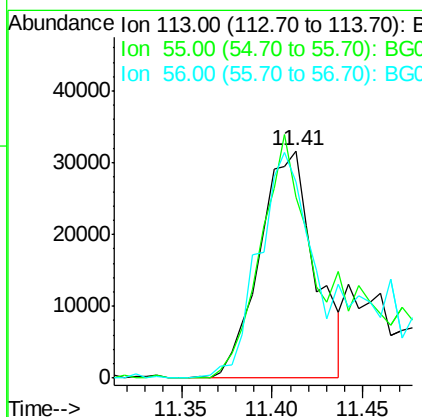
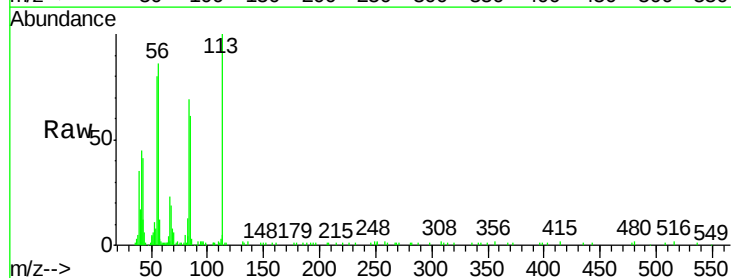
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

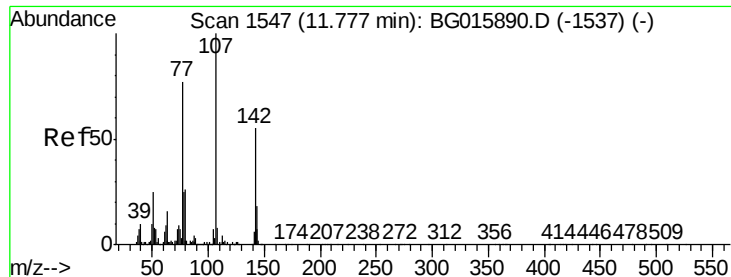
Tgt Ion: 225 Resp: 275450
Ion Ratio Lower Upper
225 100
223 57.0 49.9 74.9
227 56.2 45.3 67.9



#35
Caprolactam
Concen: 26.08 ng
RT: 11.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion: 113 Resp: 67134
Ion Ratio Lower Upper
113 100
55 79.6 89.2 129.2#
56 86.2 82.4 122.4

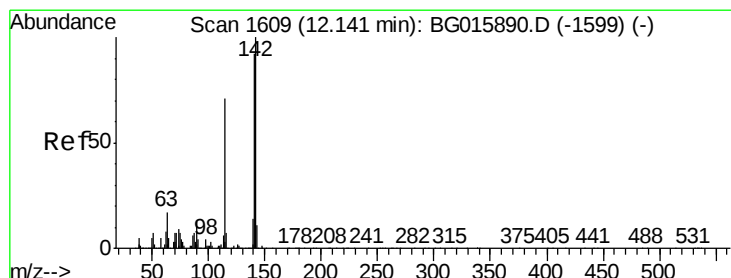
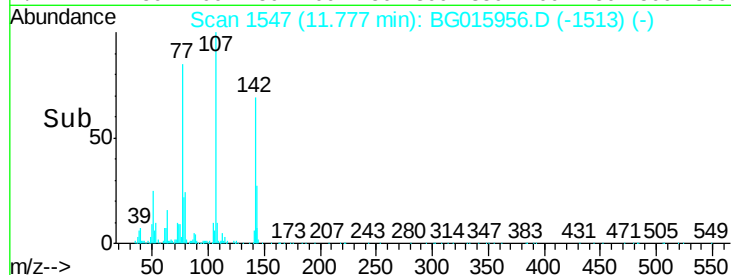
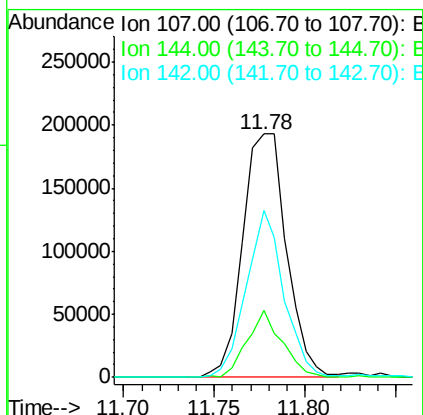
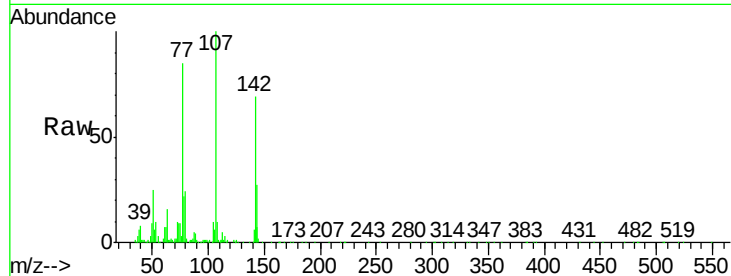




#36
 4-Chloro-3-methylphenol
 Concen: 42.24 ng
 RT: 11.78 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

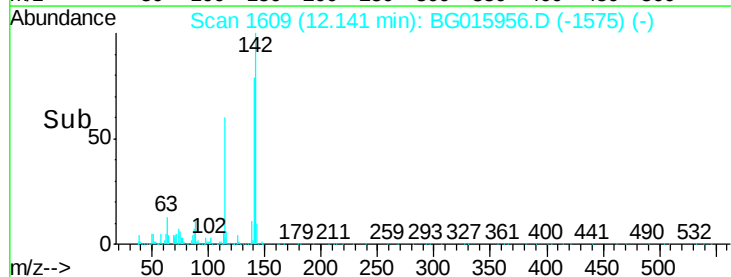
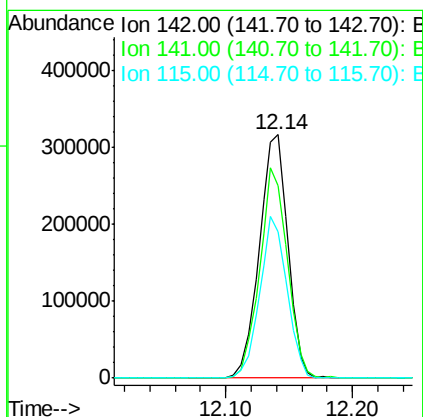
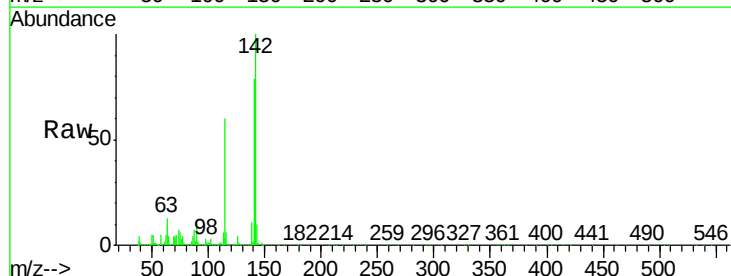
Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

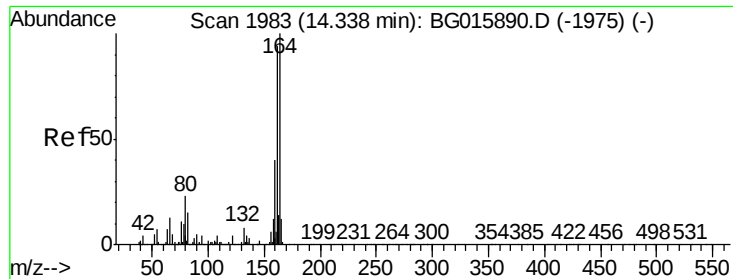
Tgt Ion: 107 Resp: 325469
 Ion Ratio Lower Upper
 107 100
 144 27.3 14.6 22.0#
 142 68.6 43.8 65.6#



#37
 2-Methylnaphthalene
 Concen: 42.10 ng
 RT: 12.14 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

Tgt Ion: 142 Resp: 496558
 Ion Ratio Lower Upper
 142 100
 141 78.8 73.8 110.8
 115 60.2 56.6 84.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

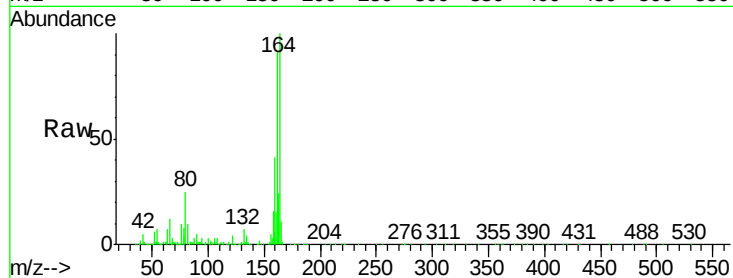
Tgt Ion:164 Resp: 249327

Ion Ratio Lower Upper

164 100

162 91.1 75.1 112.7

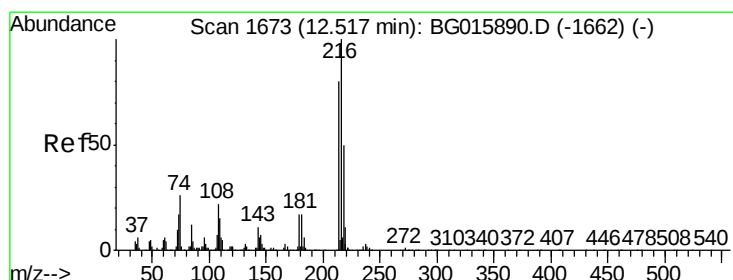
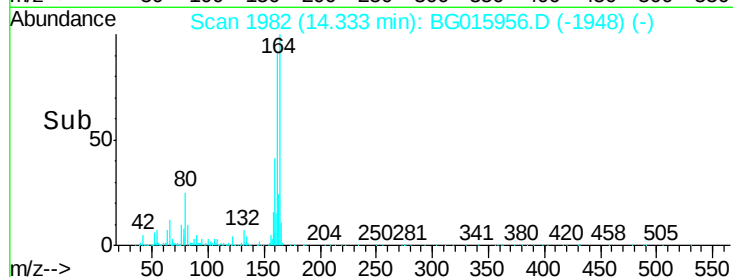
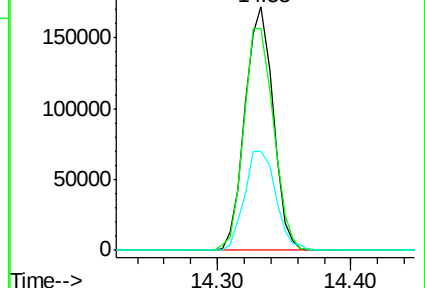
160 40.9 32.3 48.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.93 ng

RT: 12.51 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Tgt Ion:216 Resp: 436700

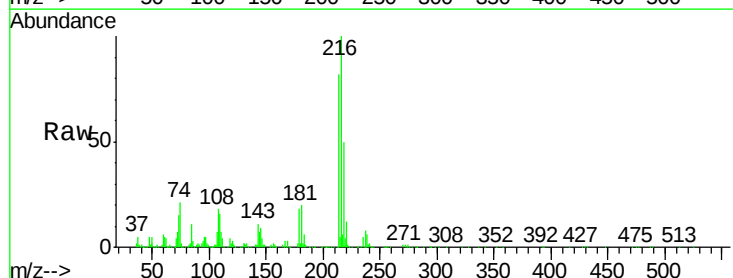
Ion Ratio Lower Upper

216 100

214 79.6 64.1 96.1

179 18.5 14.5 21.7

108 24.7 20.6 31.0

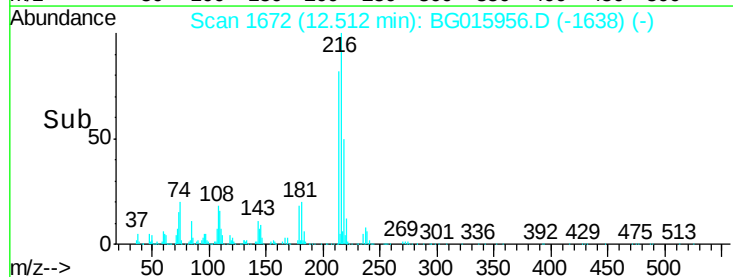
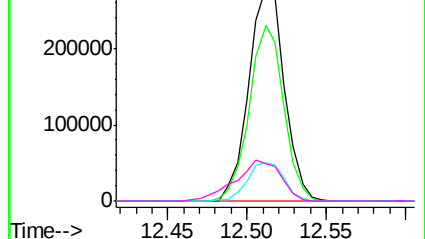


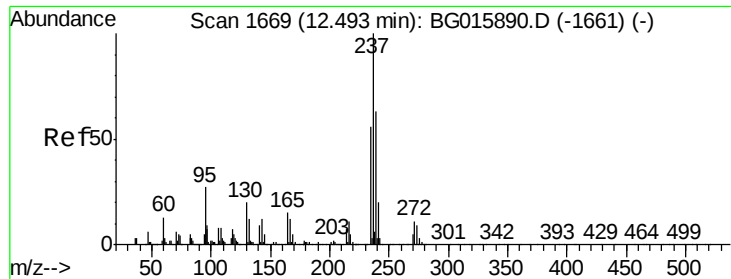
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 82.78 ng

RT: 12.49 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

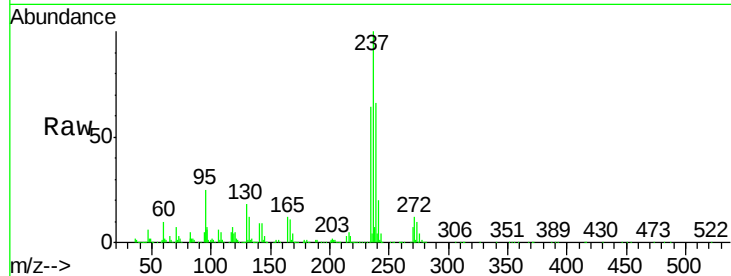
Tgt Ion: 237 Resp: 593092

Ion Ratio Lower Upper

237 100

235 64.0 36.2 76.2

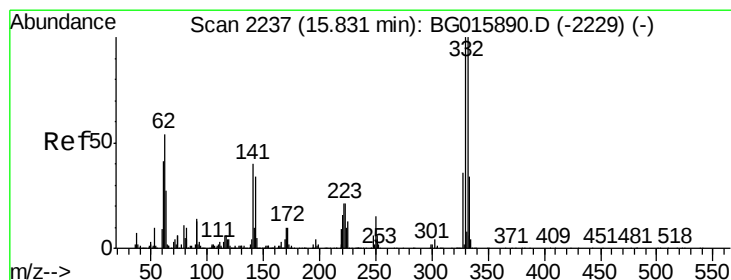
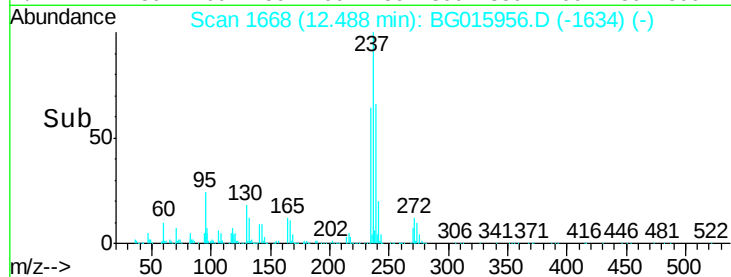
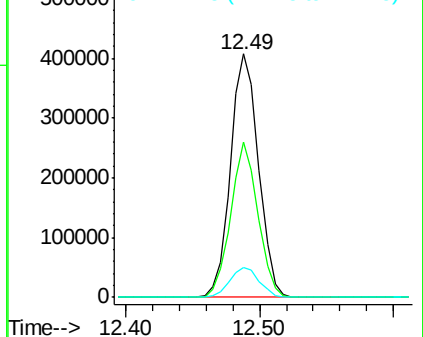
272 12.4 0.0 31.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 158.60 ng

RT: 15.83 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

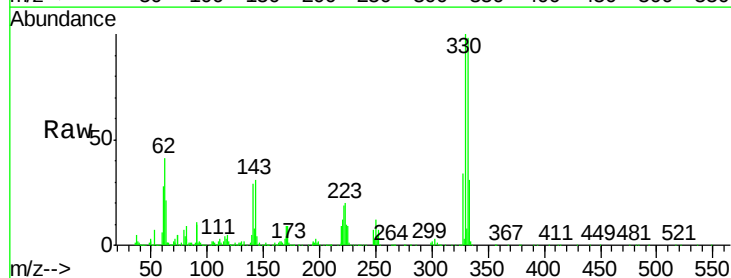
Tgt Ion: 330 Resp: 723924

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.0

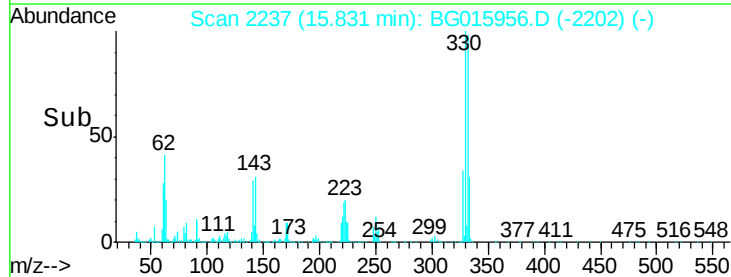
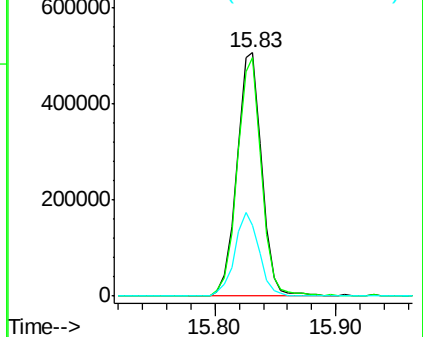
141 34.0 33.0 49.6

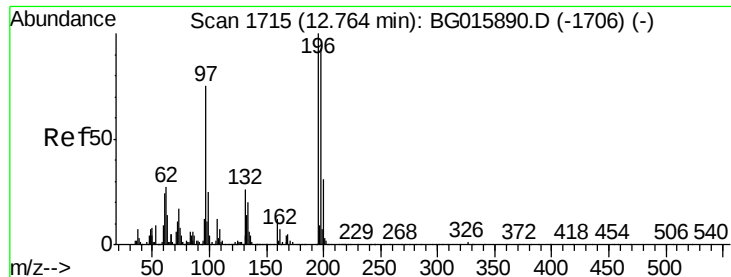


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 50.81 ng

RT: 12.76 min Scan# 1715

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

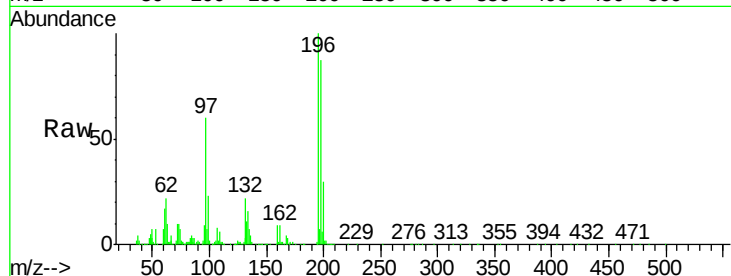
Tgt Ion:196 Resp: 282968

Ion Ratio Lower Upper

196 100

198 87.0 74.1 111.1

200 30.2 24.6 37.0

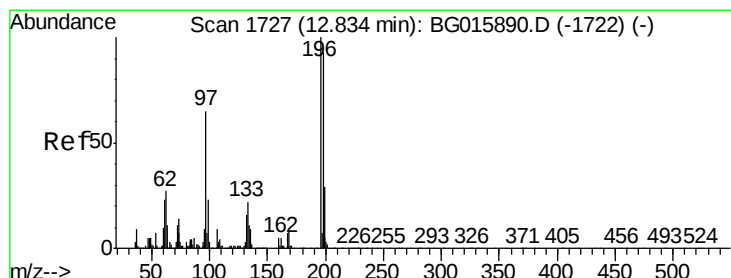
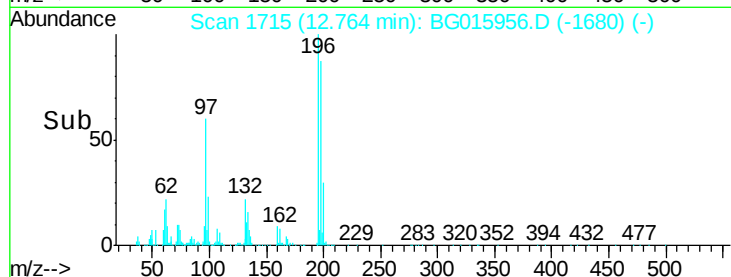
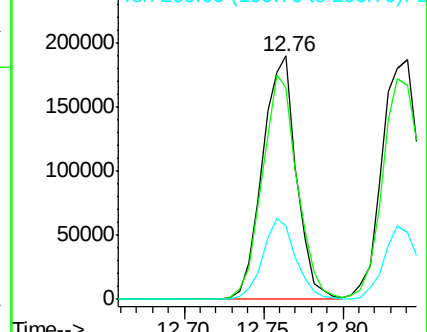


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 50.25 ng

RT: 12.84 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Tgt Ion:196 Resp: 316380

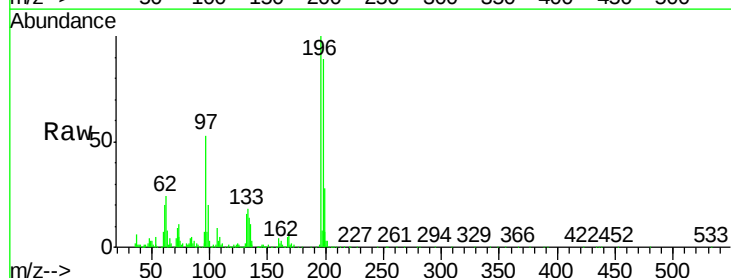
Ion Ratio Lower Upper

196 100

198 89.4 74.7 112.1

97 52.8 52.5 78.7

132 15.6 12.8 19.2



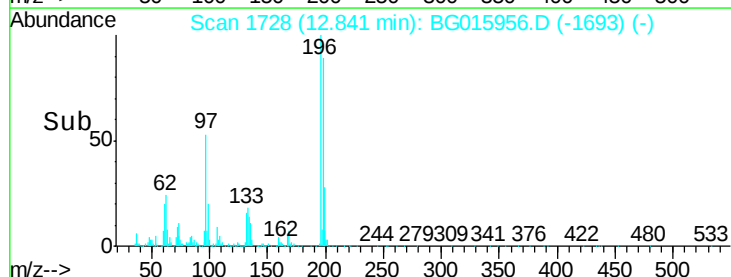
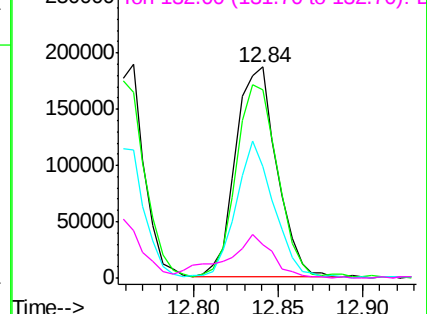
Abundance

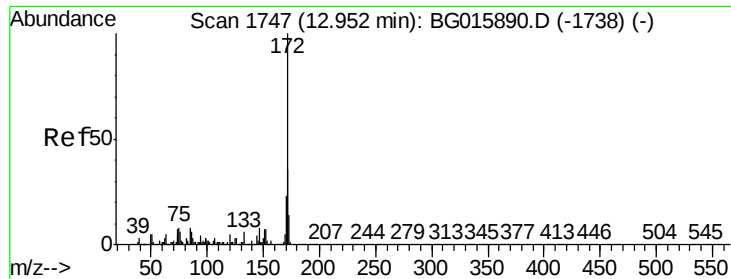
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

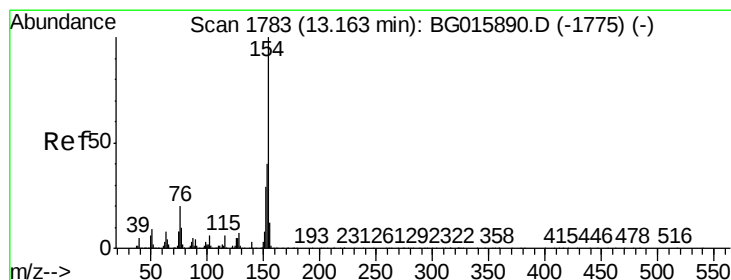
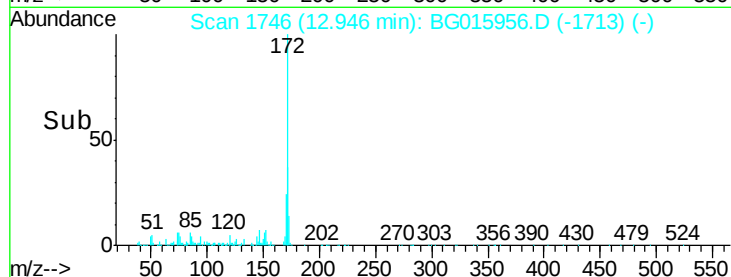
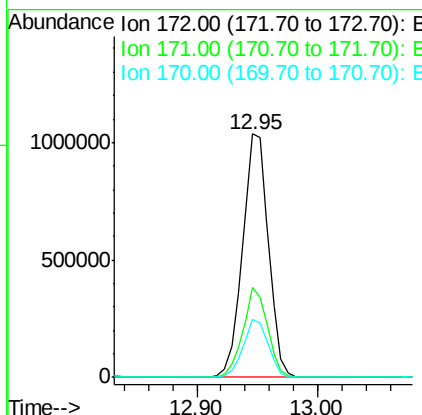
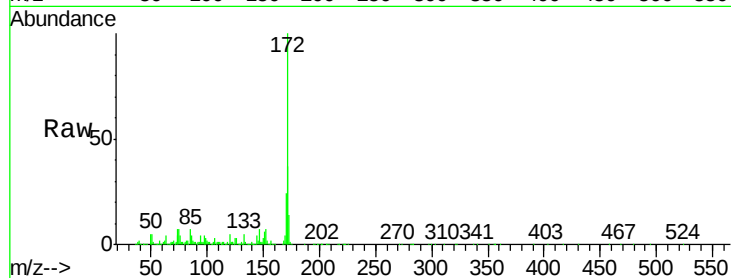




#44
2-Fluorobiphenyl
Concen: 97.26 ng
RT: 12.95 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

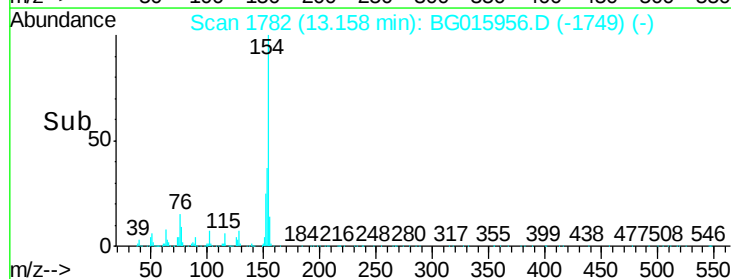
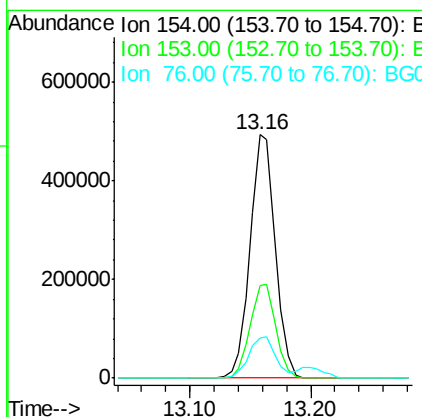
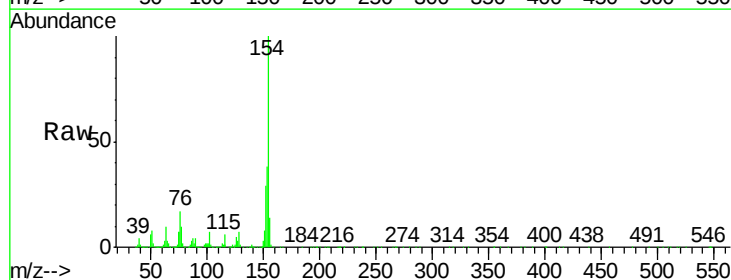
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

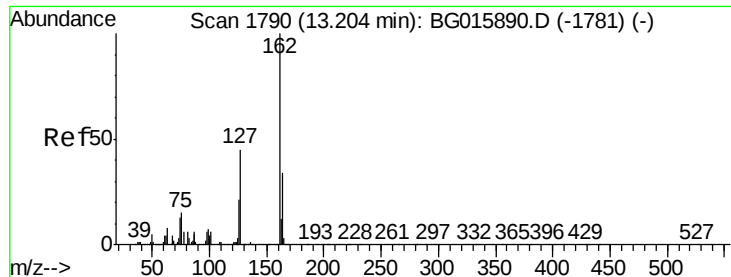
Tgt Ion:172 Resp: 1545606
Ion Ratio Lower Upper
172 100
171 37.1 29.2 43.8
170 24.1 18.6 27.8



#45
1,1'-Biphenyl
Concen: 45.51 ng
RT: 13.16 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:154 Resp: 716185
Ion Ratio Lower Upper
154 100
153 38.0 20.4 60.4
76 16.6 0.2 40.2

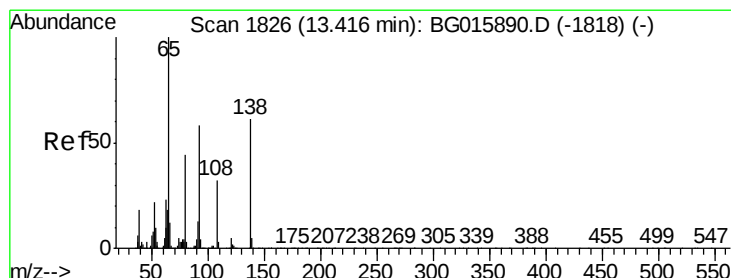
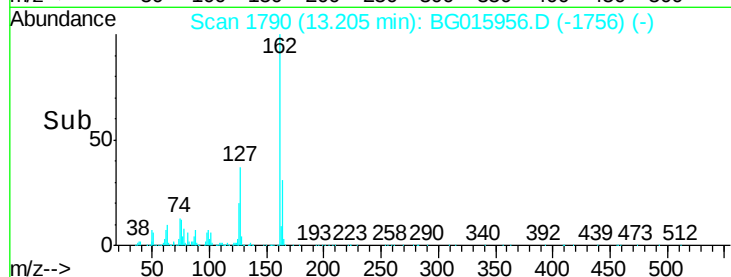
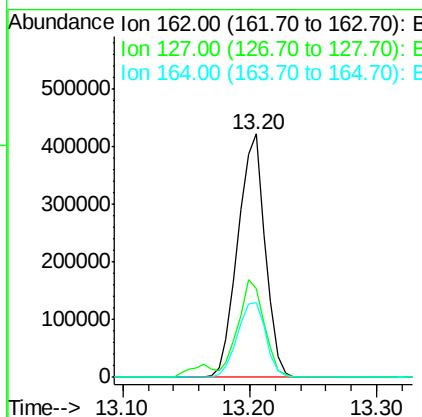
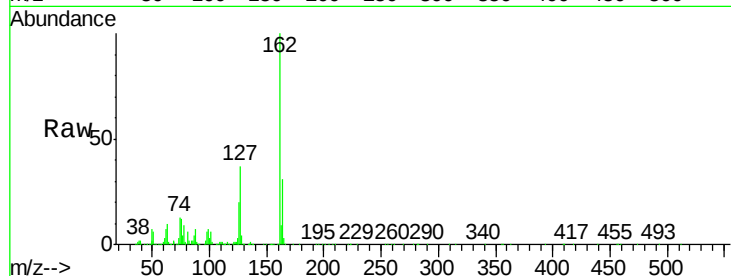




#46
2-Chloronaphthalene
Concen: 47.15 ng
RT: 13.20 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

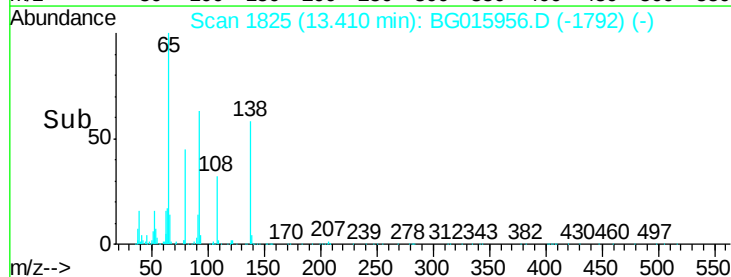
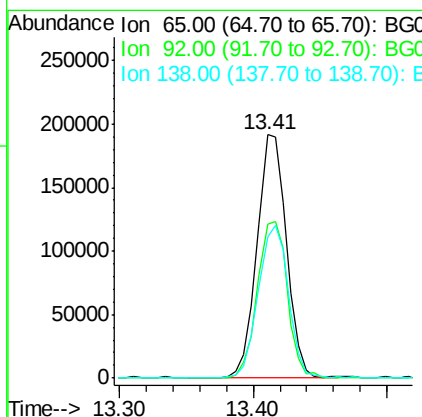
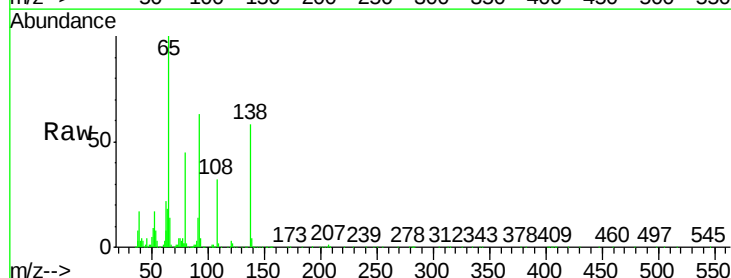
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

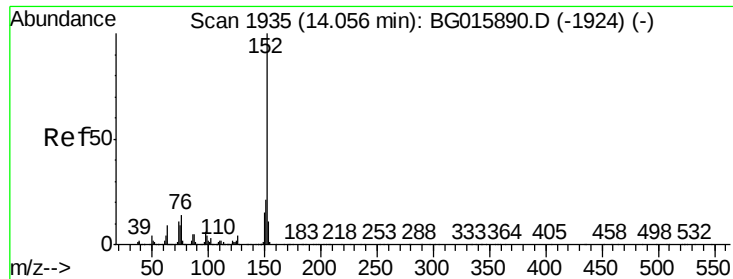
Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.6	37.1	55.7#
164	30.8	27.0	40.4



#47
2-Nitroaniline
Concen: 42.96 ng
RT: 13.41 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.2	46.6	70.0
138	58.2	49.0	73.6





#48

Acenaphthylene

Concen: 47.28 ng

RT: 14.05 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

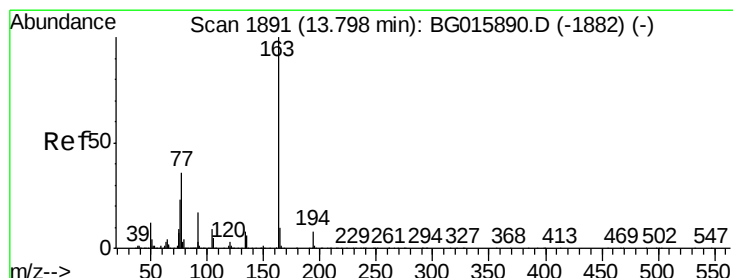
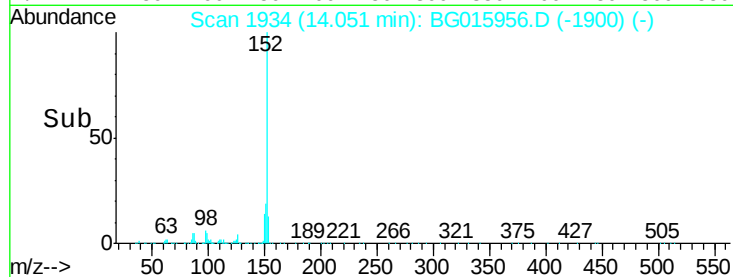
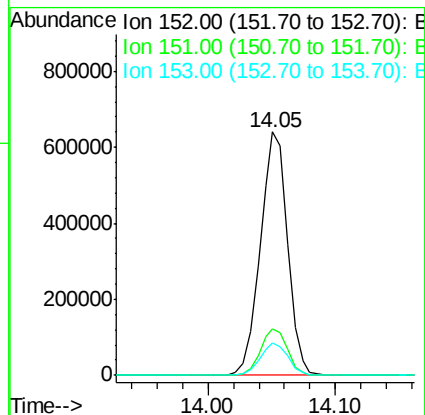
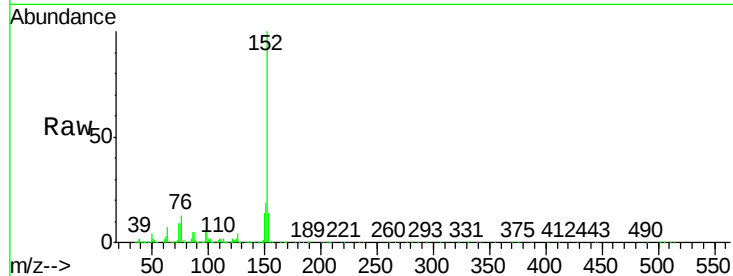
Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

Tgt Ion:	152	Resp:	954083
Ion Ratio	Lower	Upper	
152	100		
151	18.8	16.6	24.8
153	13.5	8.9	13.3#



#49

Dimethylphthalate

Concen: 47.06 ng

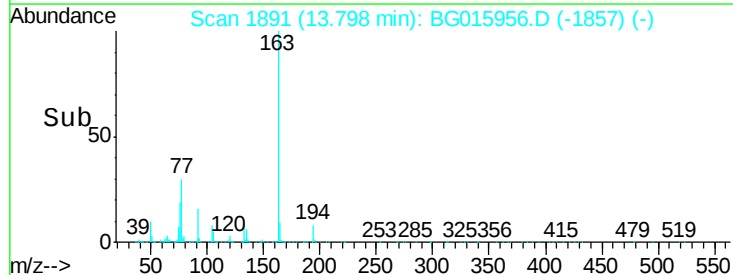
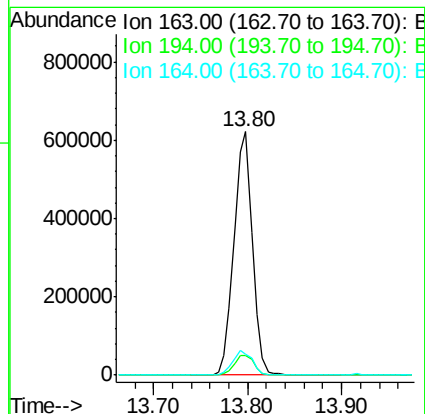
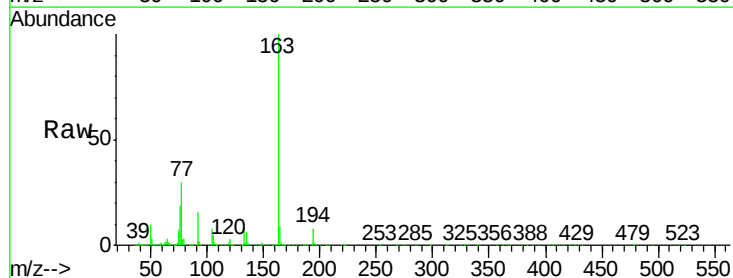
RT: 13.80 min Scan# 1891

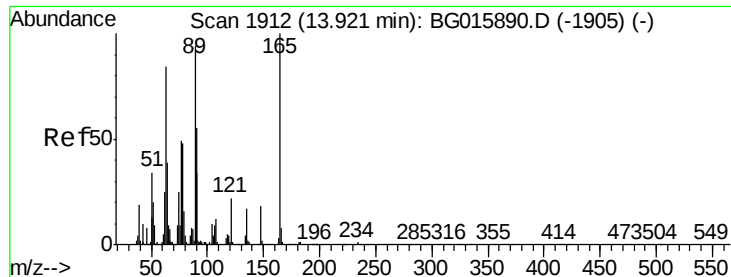
Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Tgt Ion:	163	Resp:	844221
Ion Ratio	Lower	Upper	
163	100		
194	8.2	6.2	9.4
164	8.8	8.0	12.0

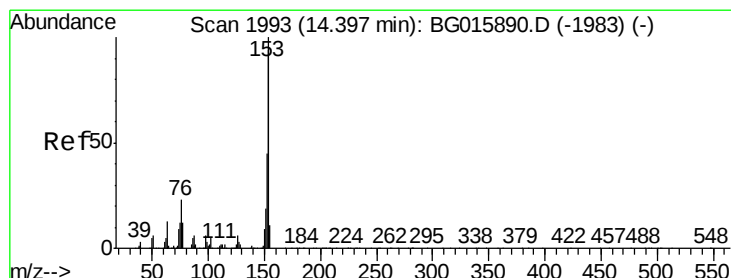
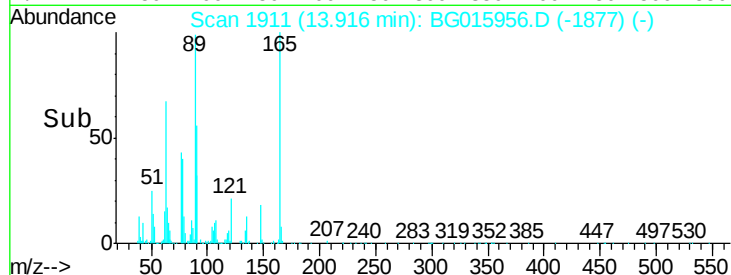
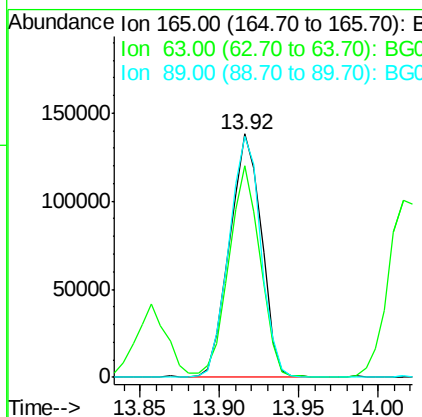
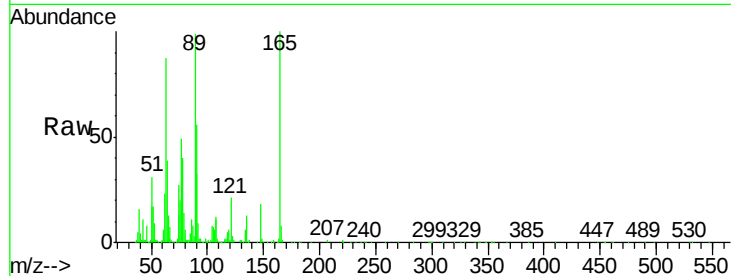




#50
2,6-Dinitrotoluene
Concen: 47.80 ng
RT: 13.92 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

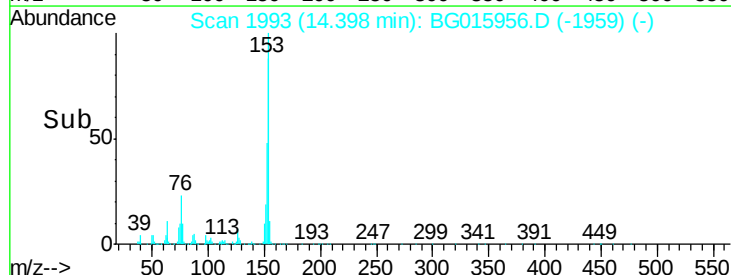
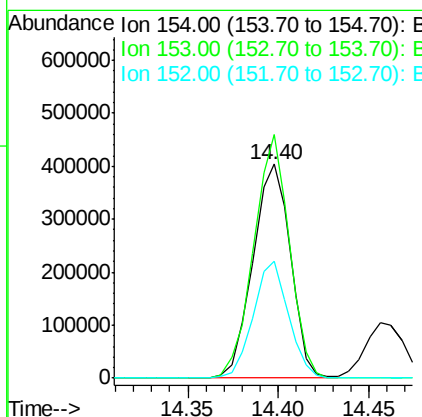
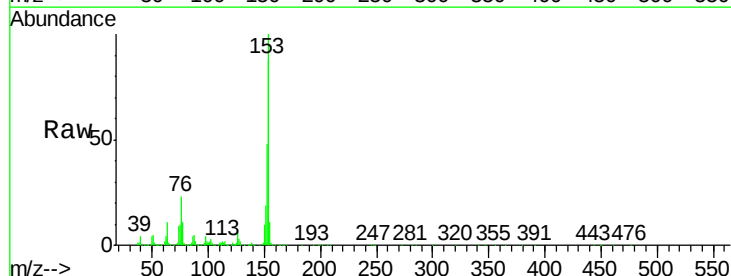
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

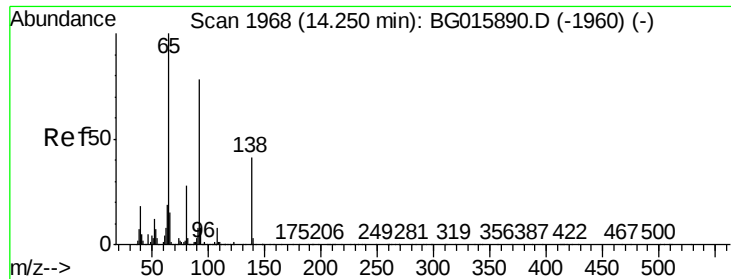
Tgt Ion:165 Resp: 193591
Ion Ratio Lower Upper
165 100
63 86.7 68.3 102.5
89 99.0 75.4 113.2



#51
Acenaphthene
Concen: 45.99 ng
RT: 14.40 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:154 Resp: 583031
Ion Ratio Lower Upper
154 100
153 113.7 85.1 127.7
152 54.9 38.3 57.5

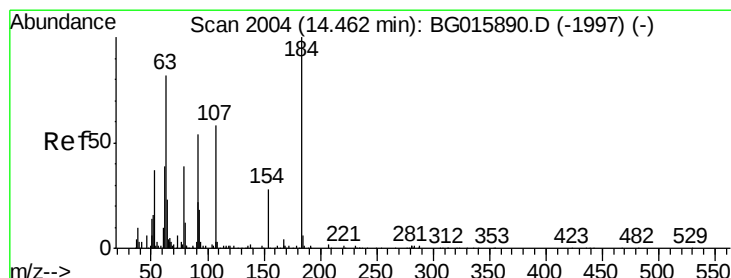
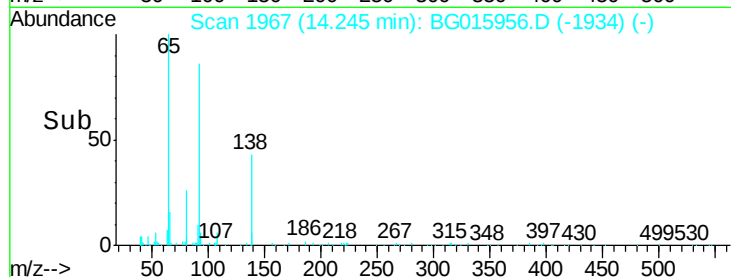
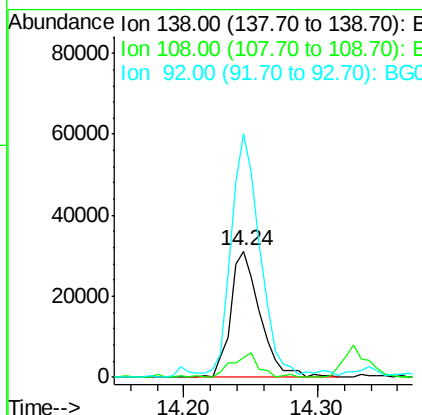
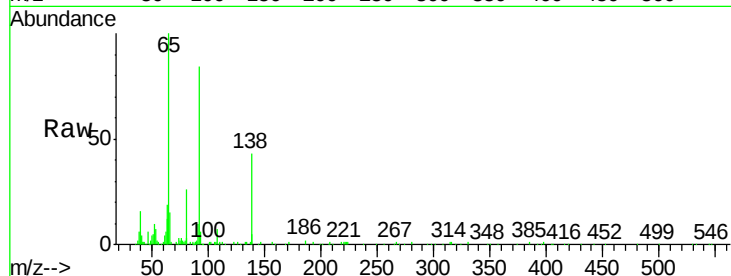




#52
 3-Nitroaniline
 Concen: 12.59 ng
 RT: 14.24 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

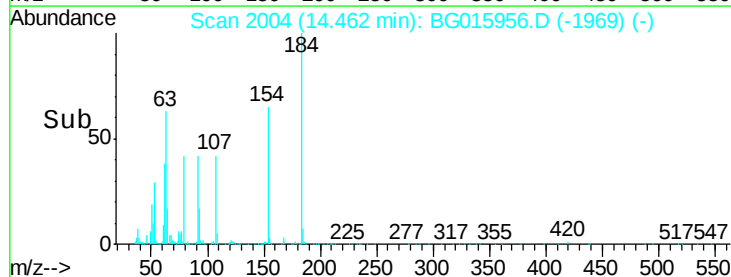
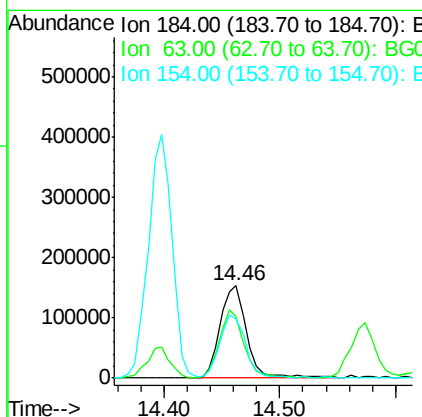
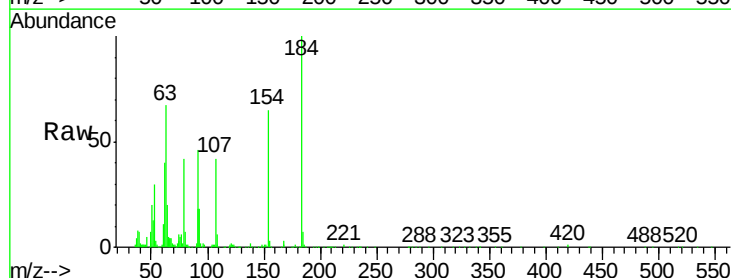
Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

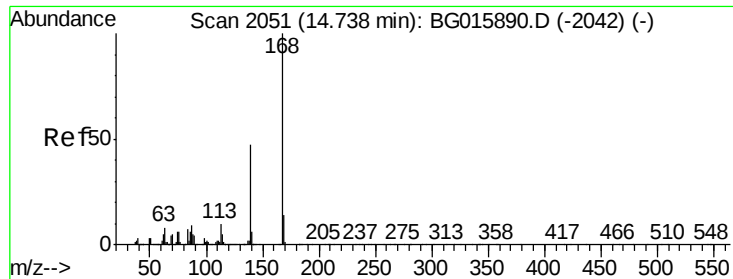
Tgt Ion:138 Resp: 47962
 Ion Ratio Lower Upper
 138 100
 108 16.0 15.9 23.9
 92 192.5 154.0 231.0



#53
 2,4-Dinitrophenol
 Concen: 79.06 ng
 RT: 14.46 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

Tgt Ion:184 Resp: 244512
 Ion Ratio Lower Upper
 184 100
 63 67.3 68.6 103.0#
 154 65.0 54.9 82.3





#54

Dibenzofuran

Concen: 47.08 ng

RT: 14.73 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

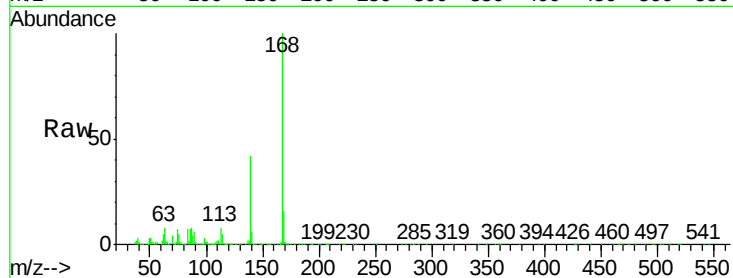
Tgt Ion:168 Resp: 984939

Ion Ratio Lower Upper

168 100

139 42.5 37.8 56.8

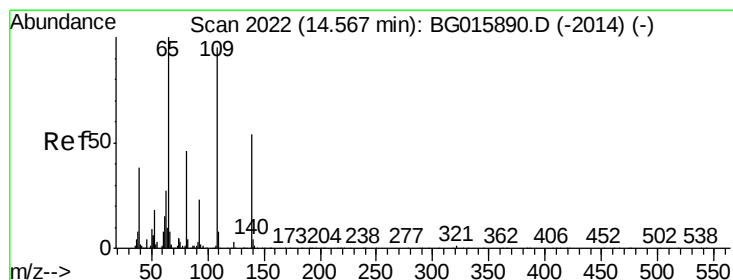
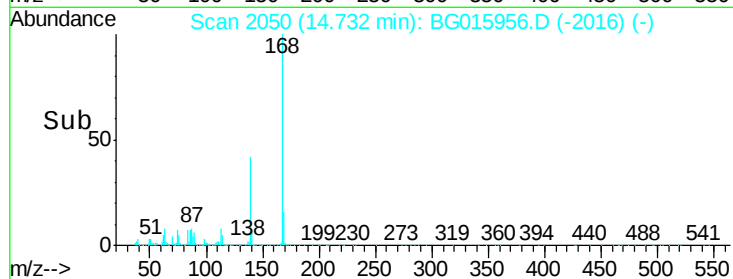
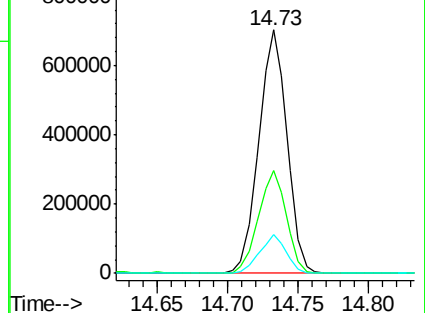
169 15.9 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 90.85 ng

RT: 14.57 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

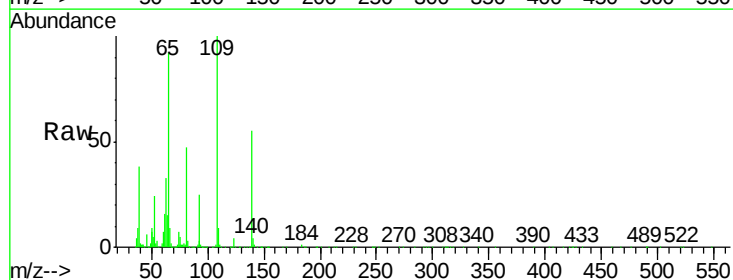
Tgt Ion:139 Resp: 238201

Ion Ratio Lower Upper

139 100

109 182.7 156.3 196.3

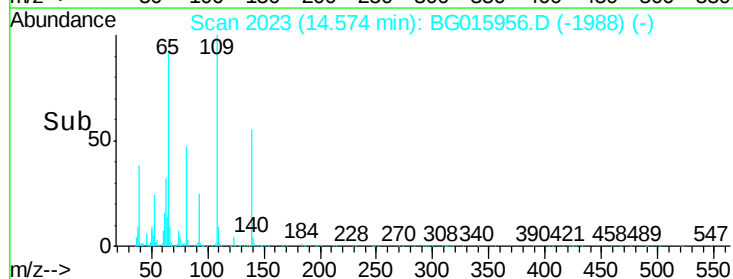
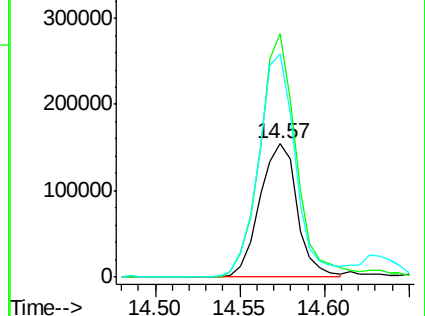
65 167.9 166.3 206.3

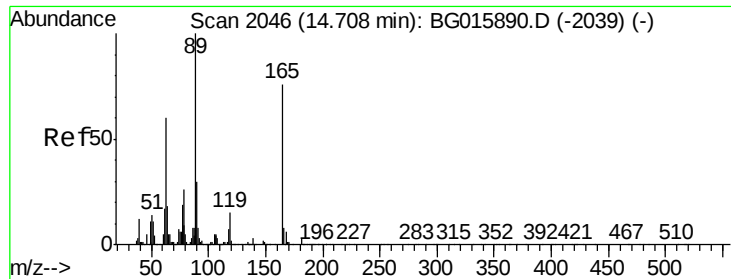


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

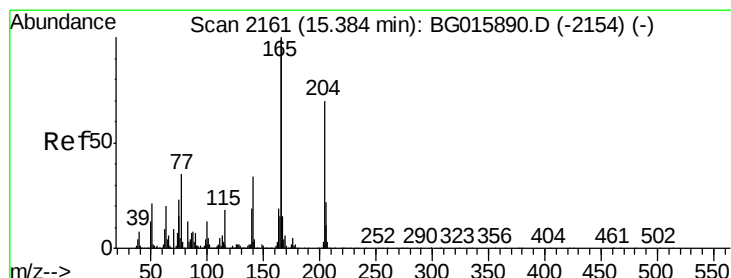
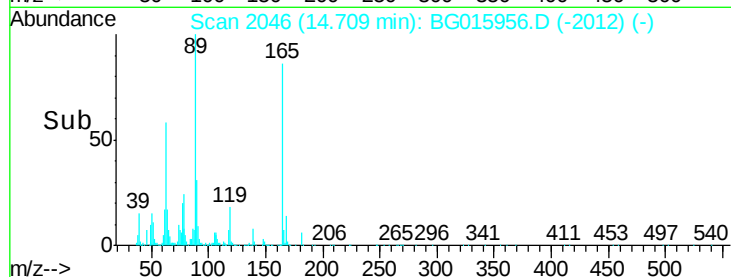
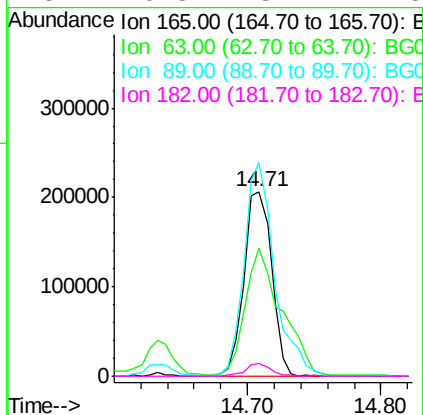
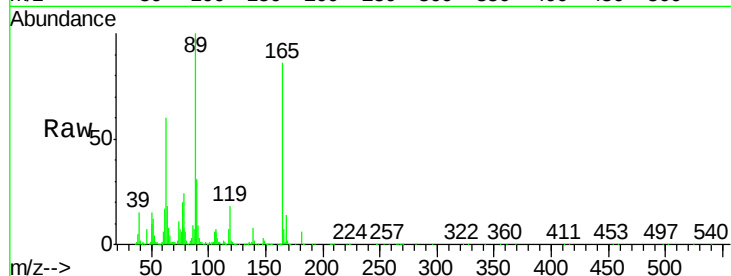




#56
2,4-Dinitrotoluene
Concen: 49.78 ng
RT: 14.71 min Scan# 2046
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

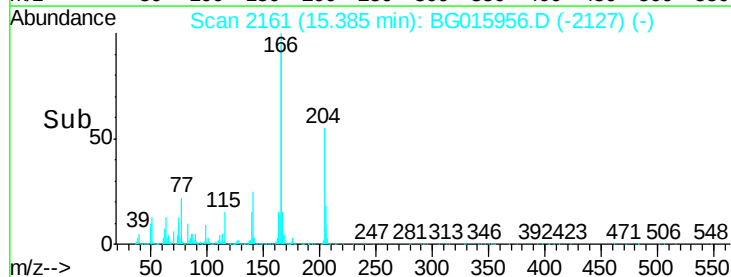
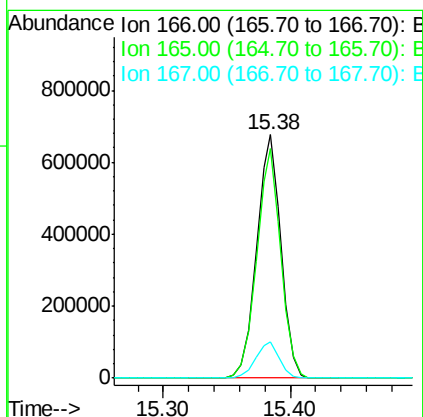
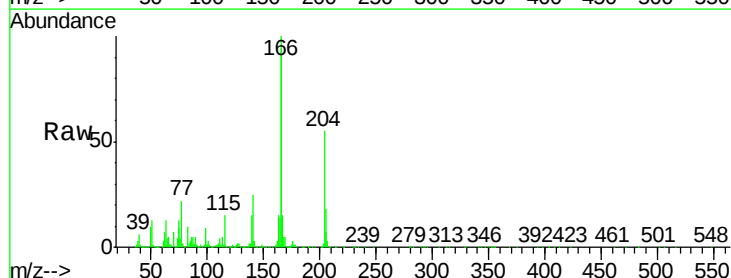
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

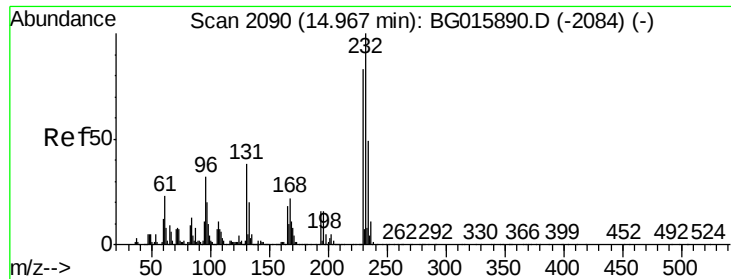
Tgt Ion:165 Resp: 295002
Ion Ratio Lower Upper
165 100
63 69.1 62.6 93.8
89 115.9 104.6 157.0
182 6.8 3.2 4.8#



#57
Fluorene
Concen: 47.60 ng
RT: 15.38 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:166 Resp: 898183
Ion Ratio Lower Upper
166 100
165 94.3 80.6 120.8
167 15.0 12.5 18.7





#58

2,3,4,6-Tetrachlorophenol

Concen: 50.23 ng

RT: 14.97 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

Tgt Ion:232 Resp: 350200

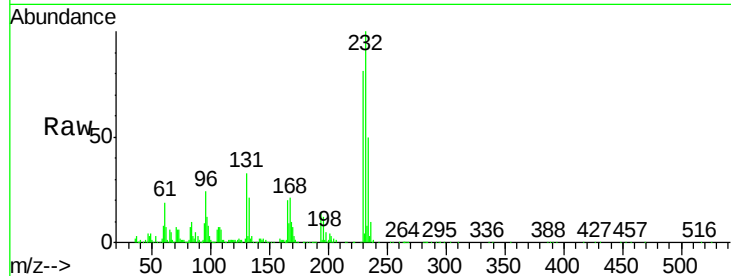
Ion Ratio Lower Upper

232 100

131 32.9 29.1 43.7

130 2.5 1.7 2.5

166 20.4 16.5 24.7

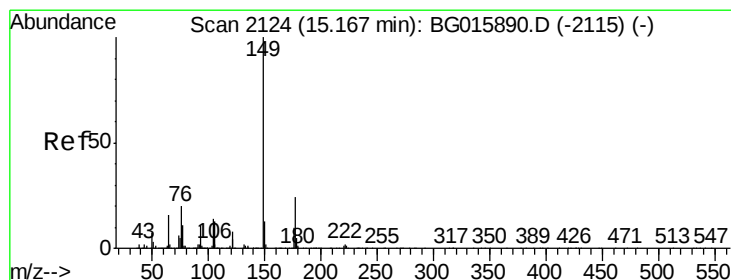
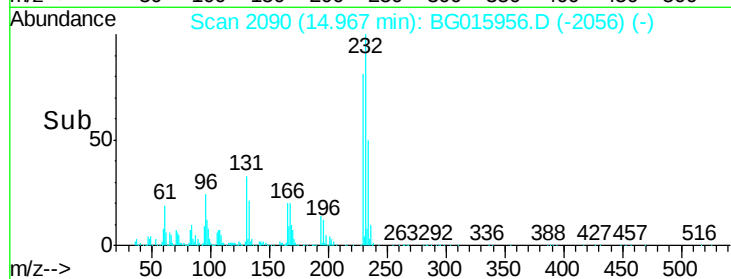
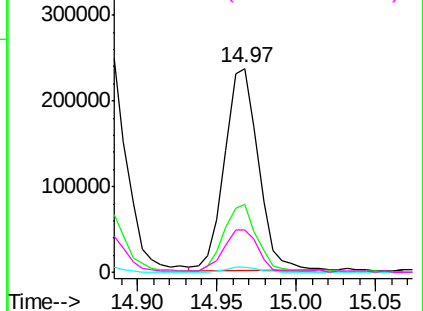


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 47.80 ng

RT: 15.16 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

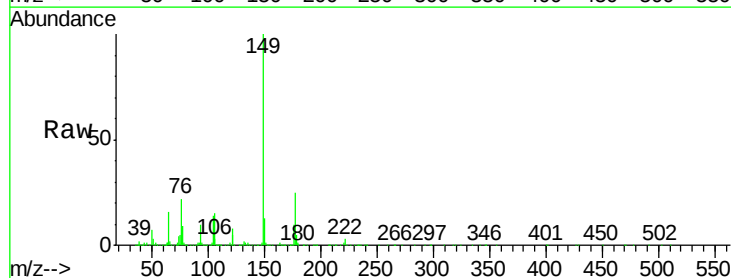
Tgt Ion:149 Resp: 875692

Ion Ratio Lower Upper

149 100

177 24.9 19.4 29.0

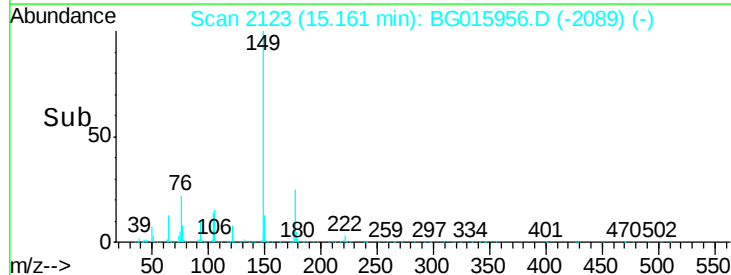
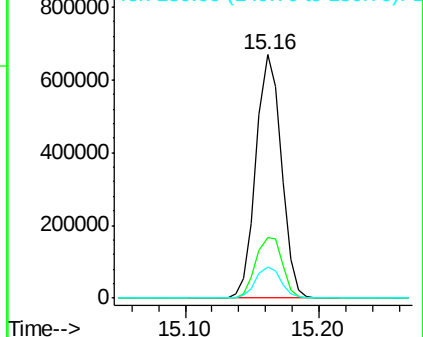
150 12.9 10.2 15.4

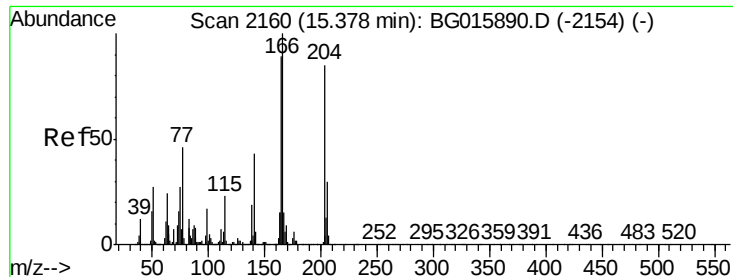


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

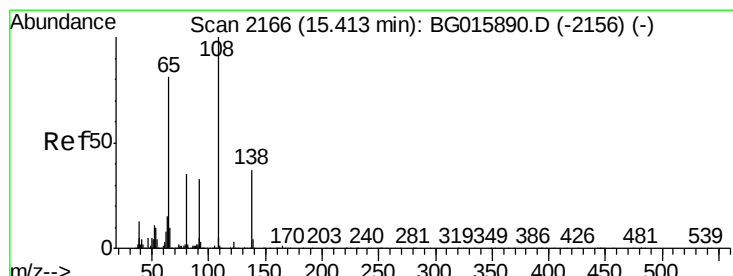
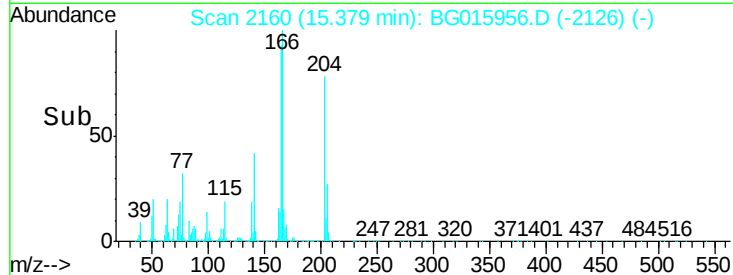
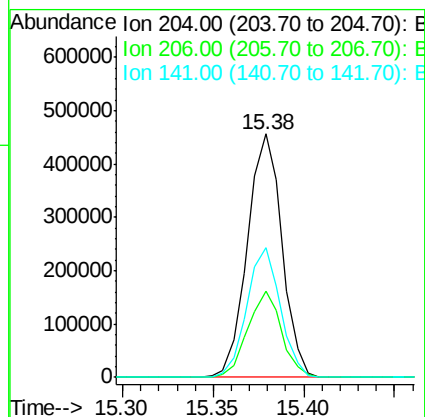
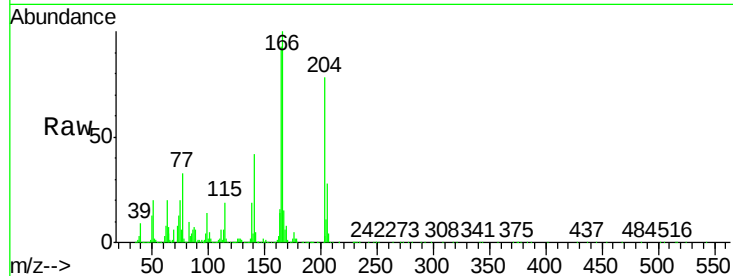




#60
4-Chlorophenyl-phenylether
Concen: 48.17 ng
RT: 15.38 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

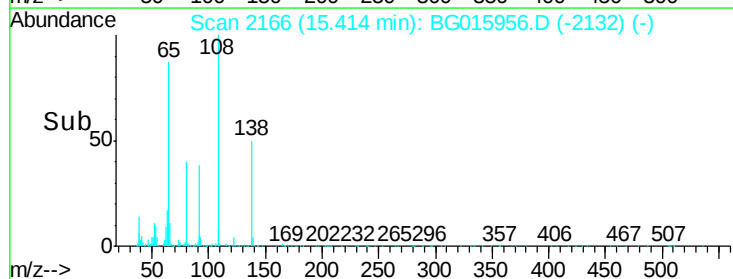
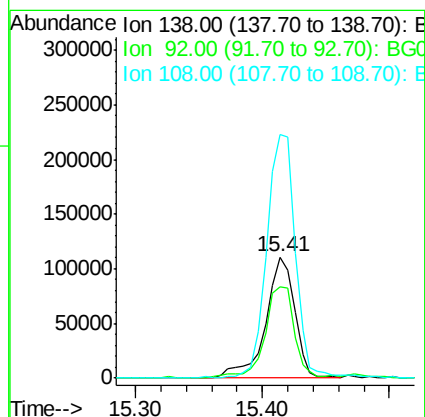
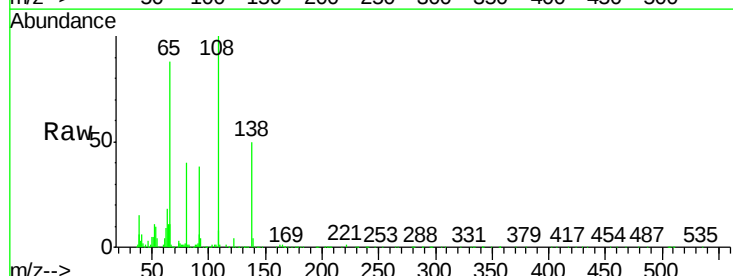
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

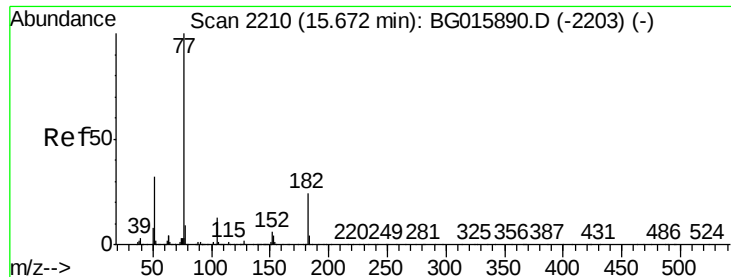
Tgt Ion:204 Resp: 604582
Ion Ratio Lower Upper
204 100
206 35.3 28.4 42.6
141 53.4 41.0 61.6



#61
4-Nitroaniline
Concen: 44.15 ng
RT: 15.41 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:138 Resp: 178438
Ion Ratio Lower Upper
138 100
92 75.7 70.7 110.7
108 201.0 251.1 291.1#

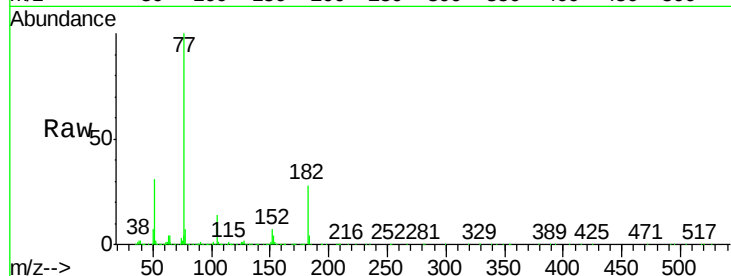




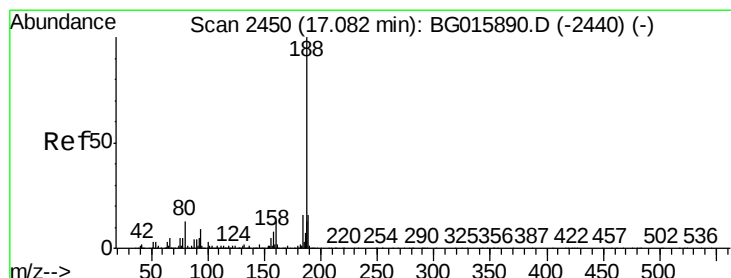
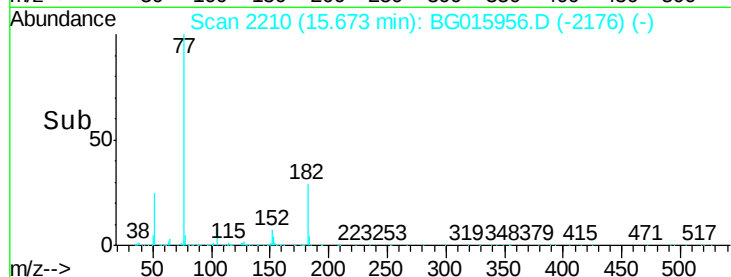
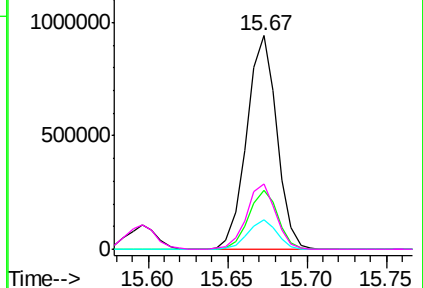
#62
Azobenzene
Concen: 41.60 ng
RT: 15.67 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

Tgt Ion: 77 Resp: 1233792
Ion Ratio Lower Upper
77 100
182 27.7 3.6 43.6
105 13.6 0.0 32.9
51 30.6 11.8 51.8

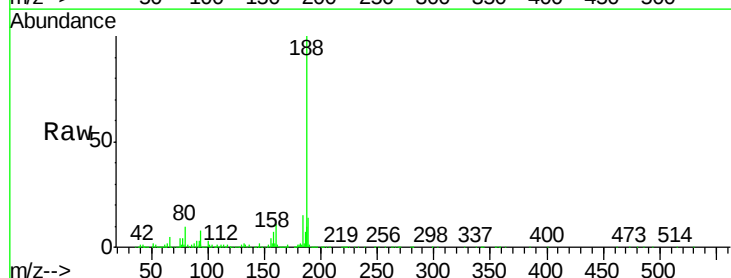


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

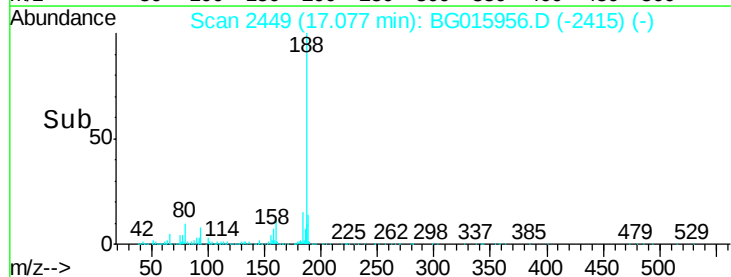
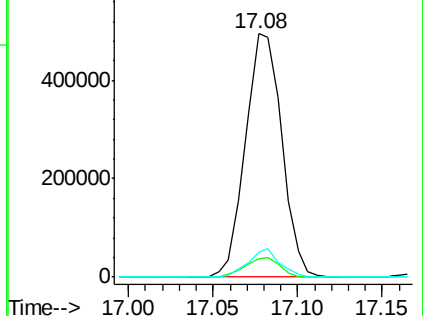


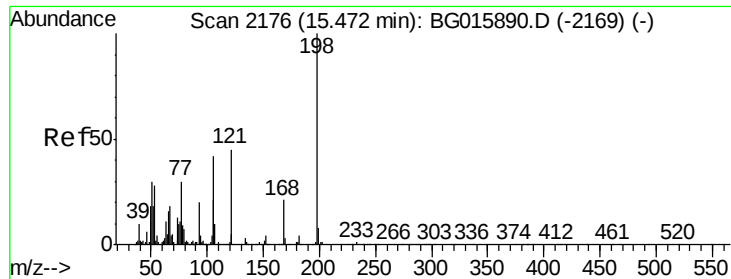
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.08 min Scan# 2449
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion: 188 Resp: 742179
Ion Ratio Lower Upper
188 100
94 7.6 7.8 11.8#
80 10.1 10.6 16.0#



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

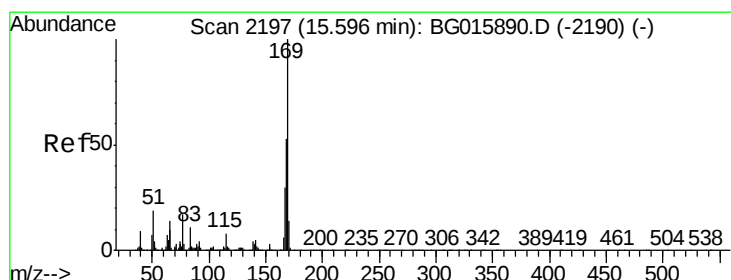
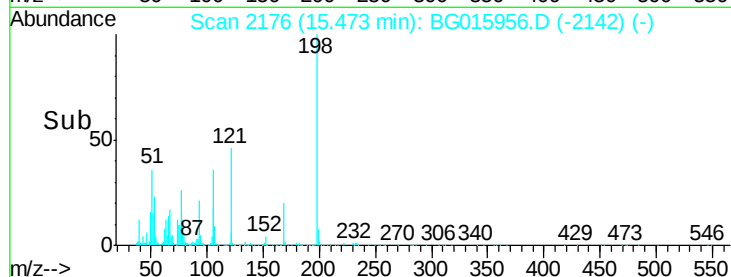
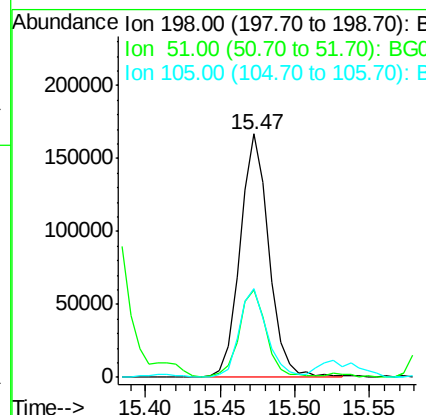
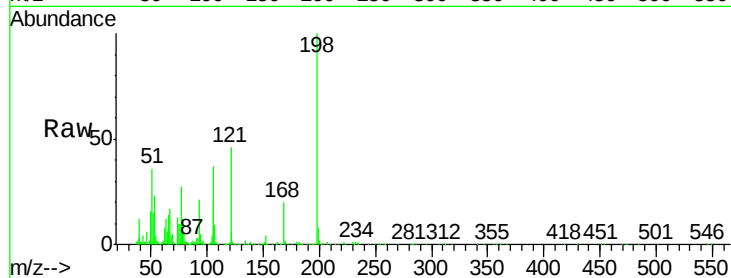




#64
 4,6-Dinitro-2-methylphenol
 Concen: 41.73 ng
 RT: 15.47 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

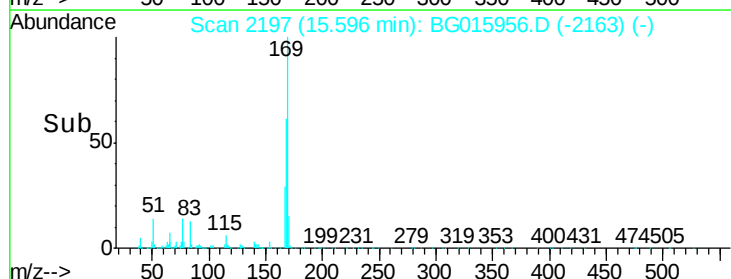
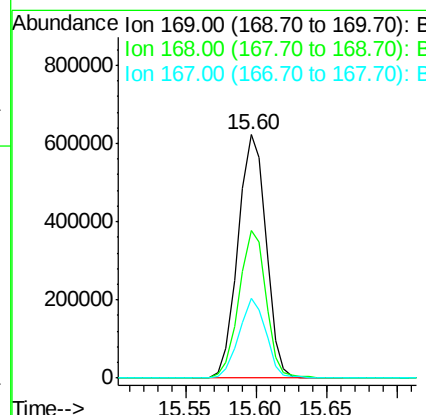
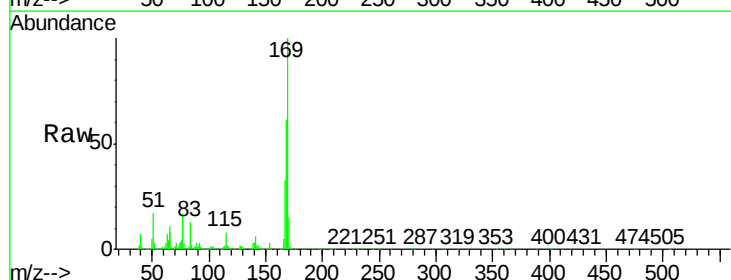
Instrument :
 BNA_G
 ClientSampleId :
 DRILLCUTTINGSMS

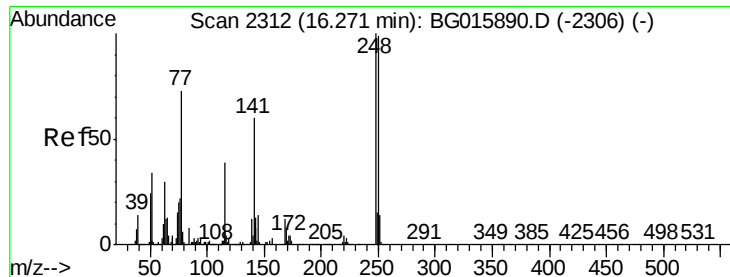
Tgt Ion	Ratio	Lower	Upper
198	100		
51	35.8	12.3	52.3
105	36.5	22.3	62.3



#65
 n-Nitrosodiphenylamine
 Concen: 40.81 ng
 RT: 15.60 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: BG015956.D
 Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
169	100		
168	60.7	42.3	63.5
167	32.9	24.2	36.2

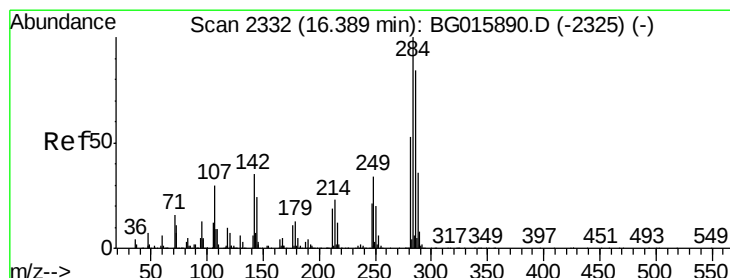
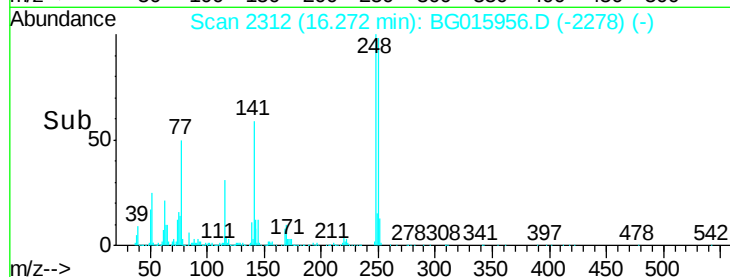
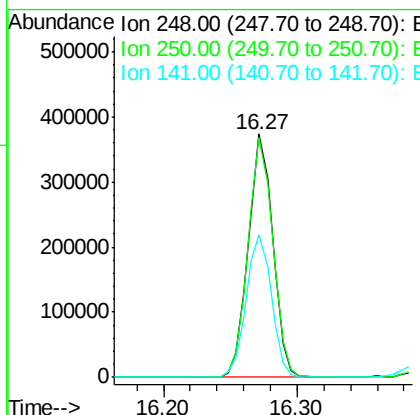
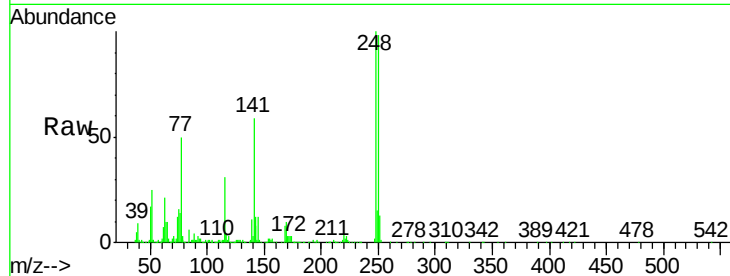




#66
4-Bromophenyl-phenylether
Concen: 43.43 ng
RT: 16.27 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

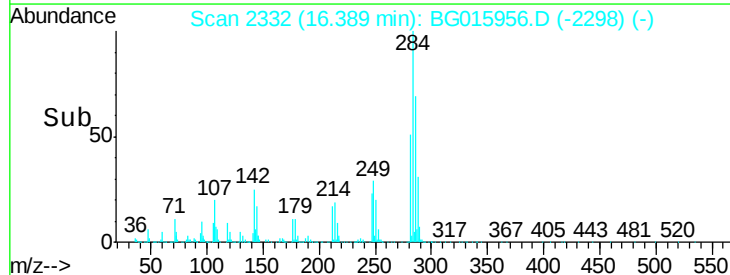
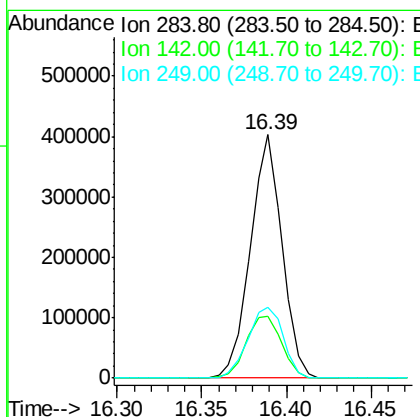
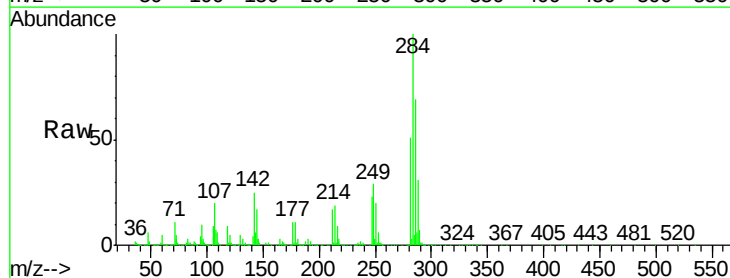
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

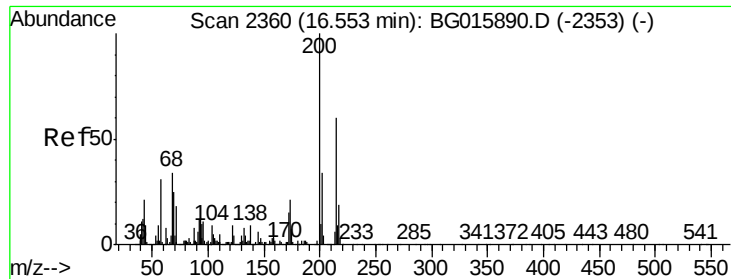
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	79.3	118.9
141	58.6	47.8	71.6



#67
Hexachlorobenzene
Concen: 44.74 ng
RT: 16.39 min Scan# 2332
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.5	27.8	41.6#
249	32.1	29.3	43.9





#68

Atrazine

Concen: 32.40 ng

RT: 16.55 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

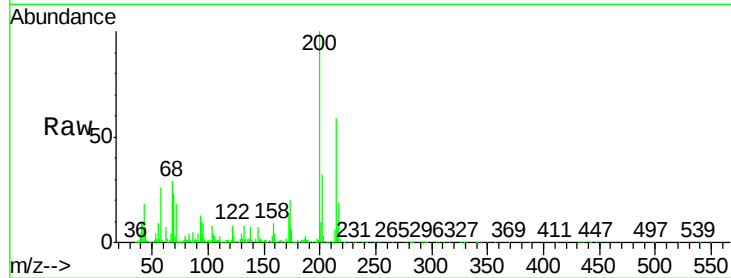
Tgt Ion:200 Resp: 330201

Ion Ratio Lower Upper

200 100

173 20.2 0.8 40.8

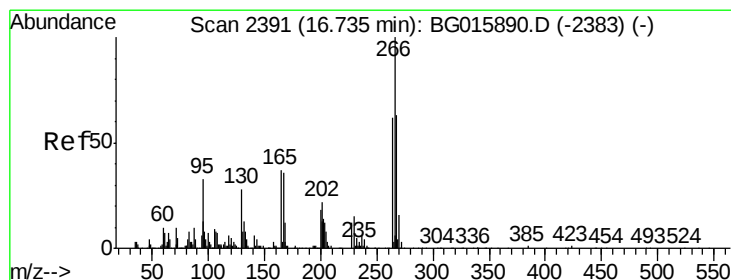
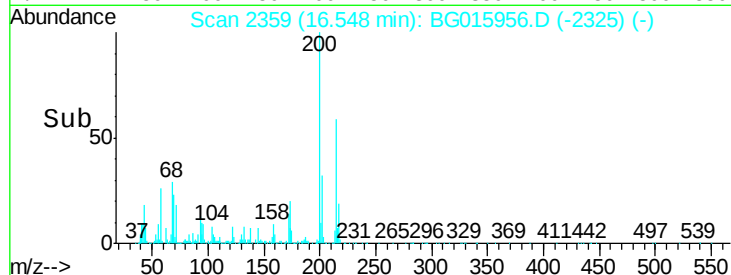
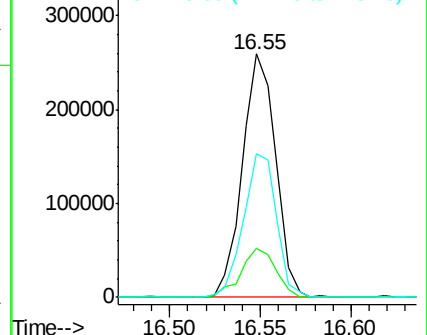
215 58.9 40.0 80.0



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



#69

Pentachlorophenol

Concen: 81.93 ng

RT: 16.74 min Scan# 2391

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

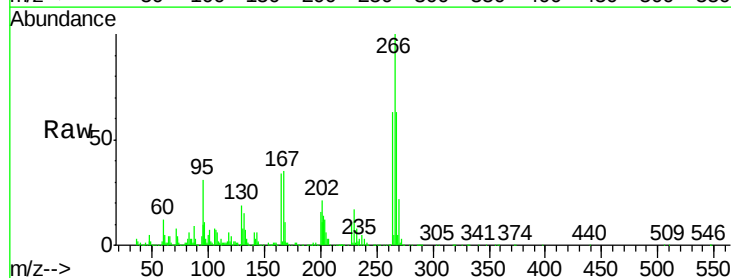
Tgt Ion:266 Resp: 539365

Ion Ratio Lower Upper

266 100

268 62.5 53.5 80.3

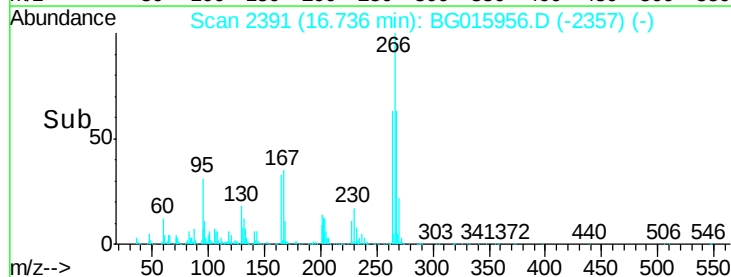
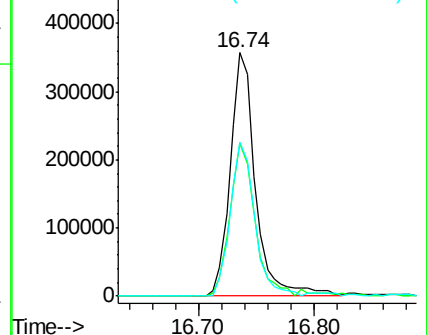
264 63.4 51.9 77.9

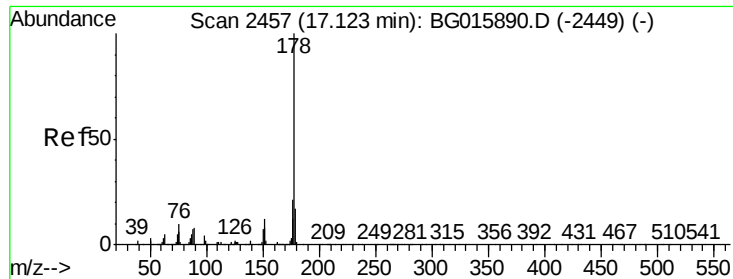


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 41.71 ng

RT: 17.12 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

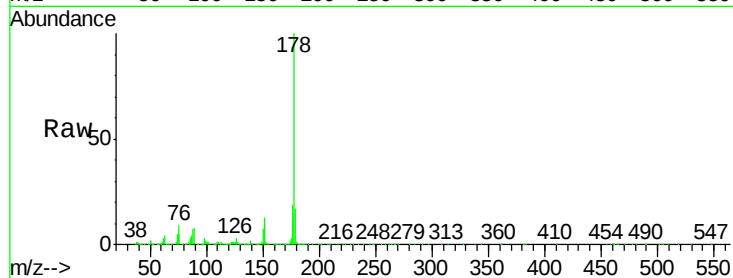
Tgt Ion:178 Resp: 1552922

Ion Ratio Lower Upper

178 100

176 19.0 16.9 25.3

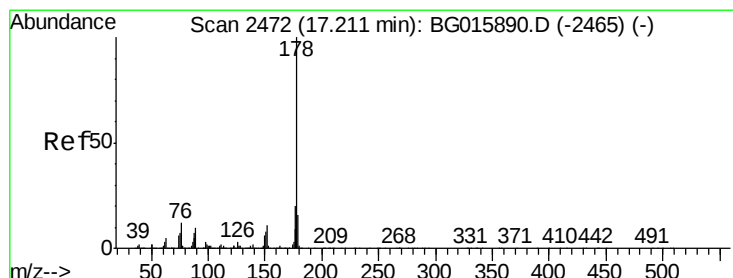
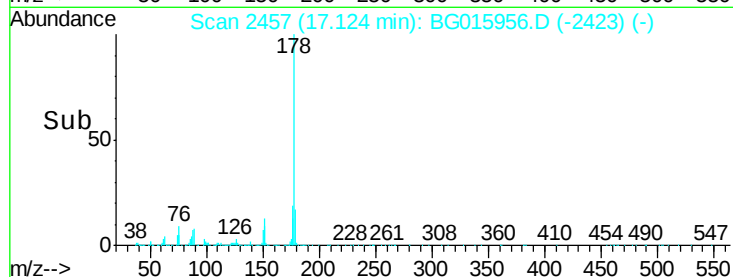
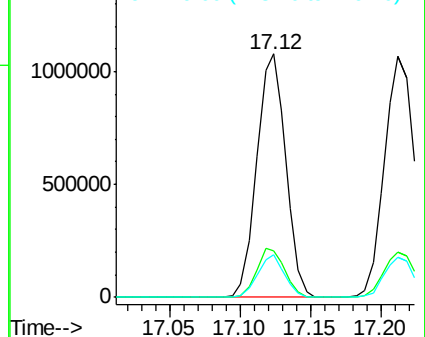
179 17.4 13.3 19.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 42.71 ng

RT: 17.21 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

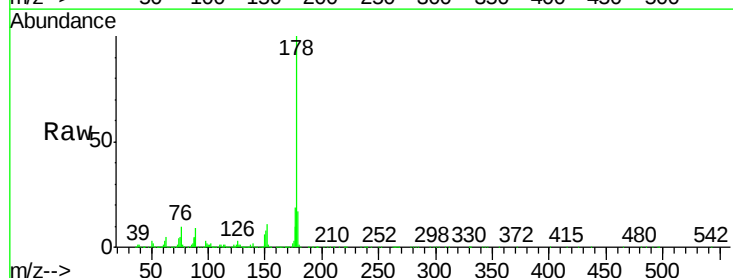
Tgt Ion:178 Resp: 1560592

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

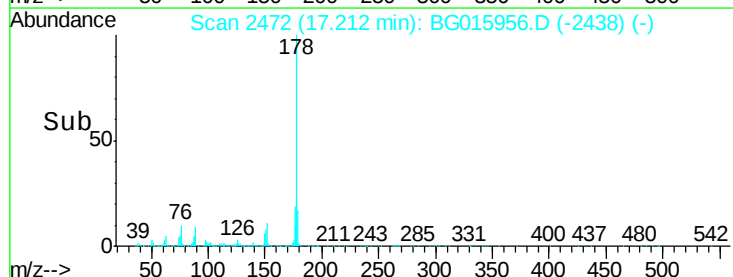
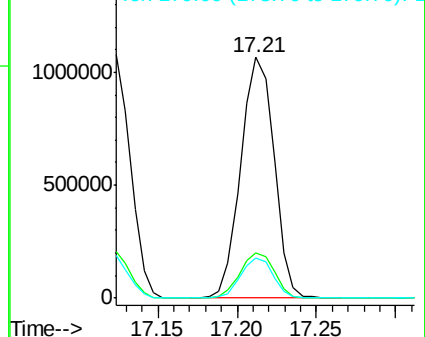
179 16.8 12.7 19.1

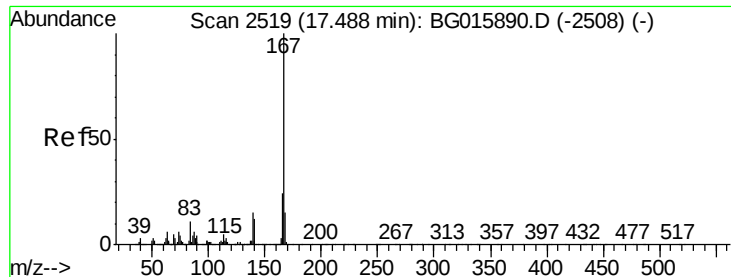


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 41.49 ng

RT: 17.49 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

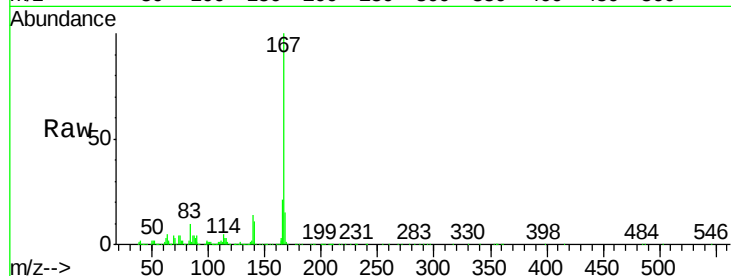
Tgt Ion:167 Resp: 1336328

Ion Ratio Lower Upper

167 100

166 21.2 19.4 29.2

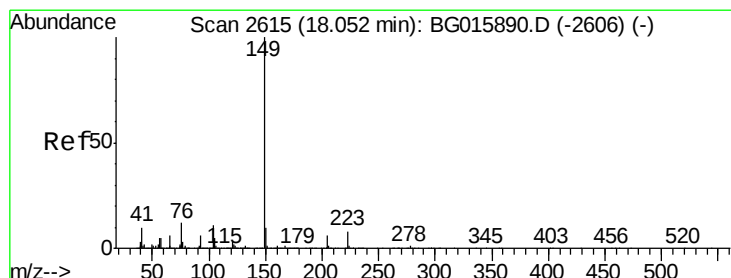
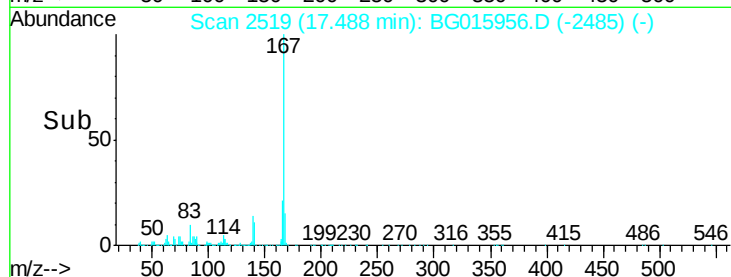
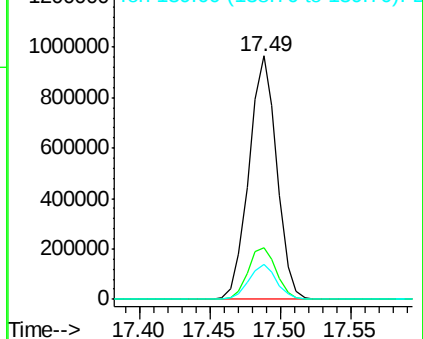
139 14.1 12.2 18.2



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: 42.41 ng

RT: 18.05 min Scan# 2615

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

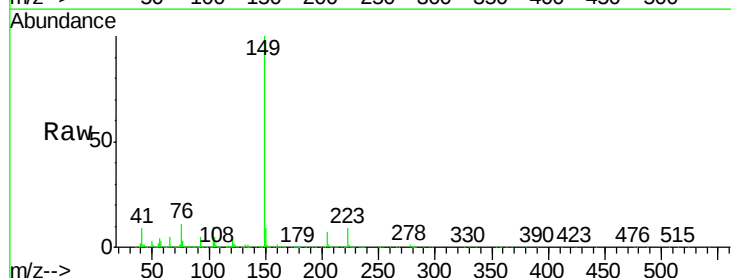
Tgt Ion:149 Resp: 1572258

Ion Ratio Lower Upper

149 100

150 9.4 8.2 12.4

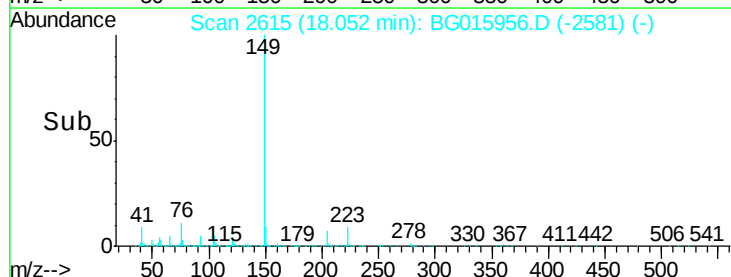
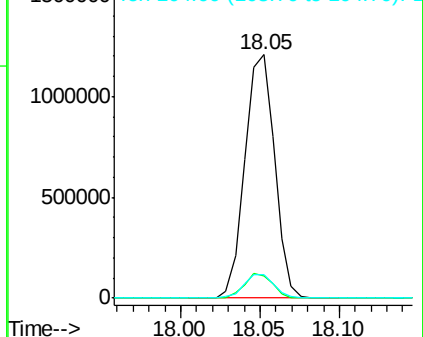
104 9.6 8.9 13.3

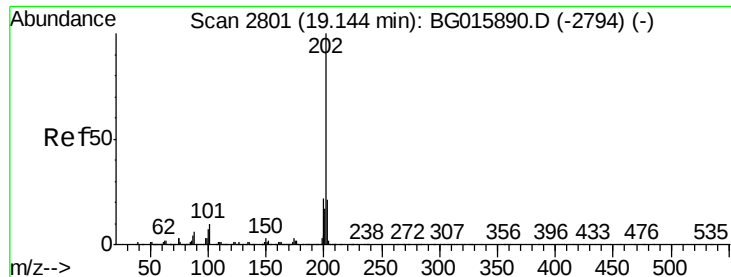


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 42.08 ng

RT: 19.14 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

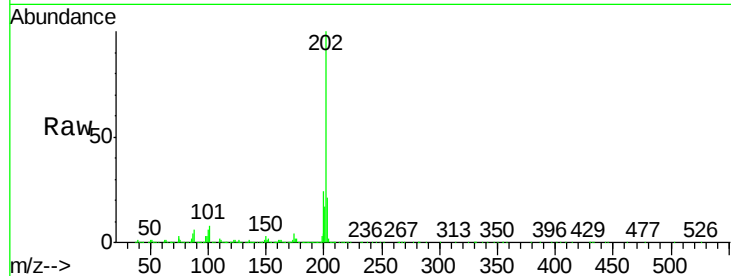
Tgt Ion:202 Resp: 2092188

Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.5

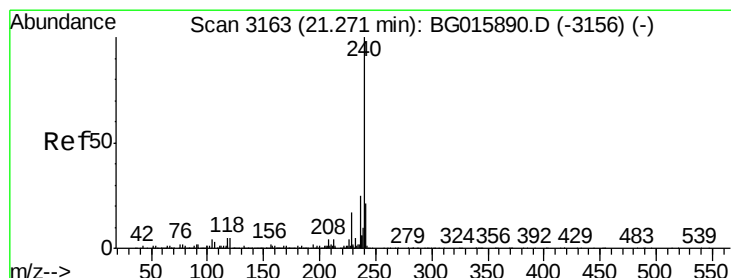
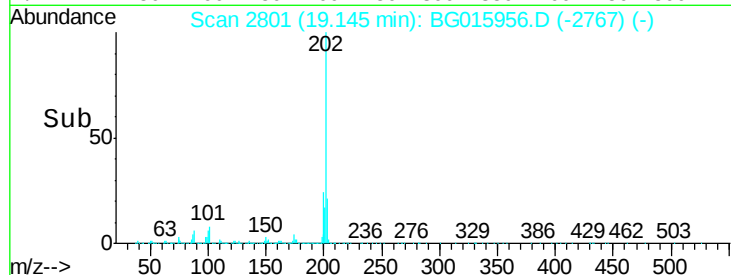
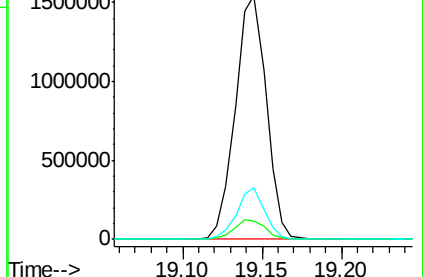
203 21.0 0.9 40.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

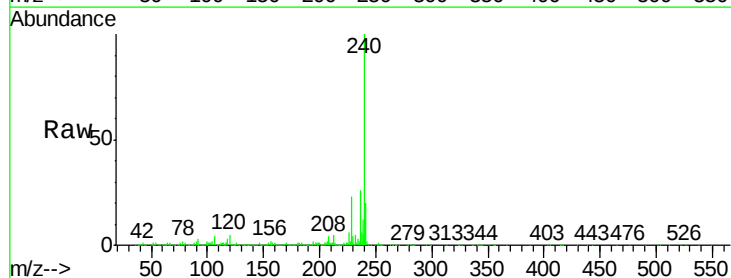
Tgt Ion:240 Resp: 1082299

Ion Ratio Lower Upper

240 100

120 4.7 3.9 5.9

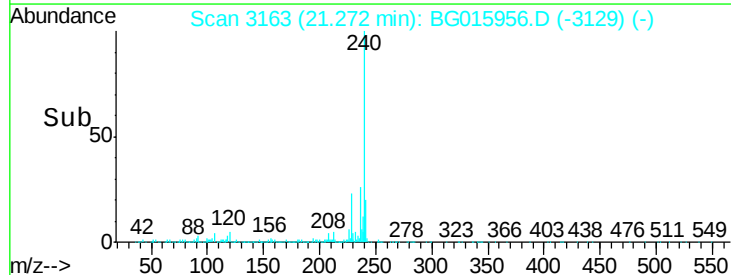
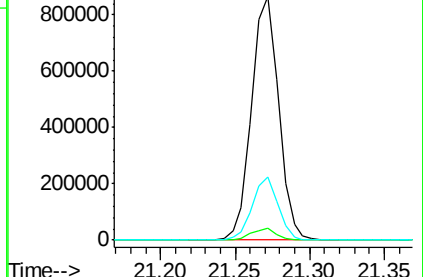
236 26.1 20.0 30.0

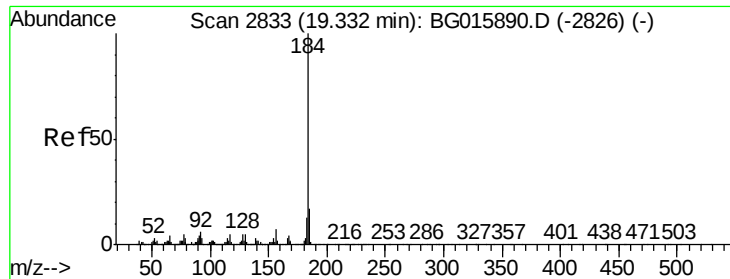


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.18 ng

RT: 19.35 min Scan# 2836

Delta R.T. 0.02 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

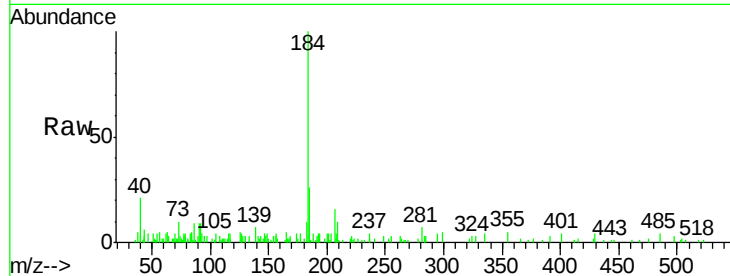
Tgt Ion:184 Resp: 33146

Ion Ratio Lower Upper

184 100

185 25.8 13.3 19.9#

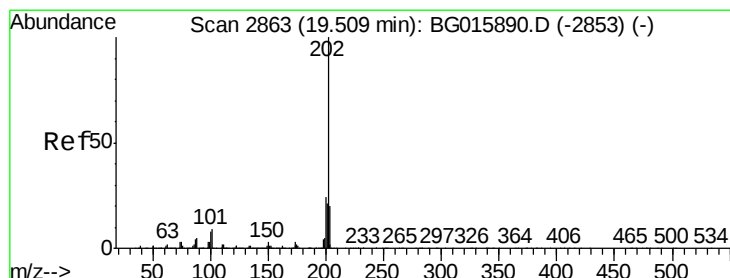
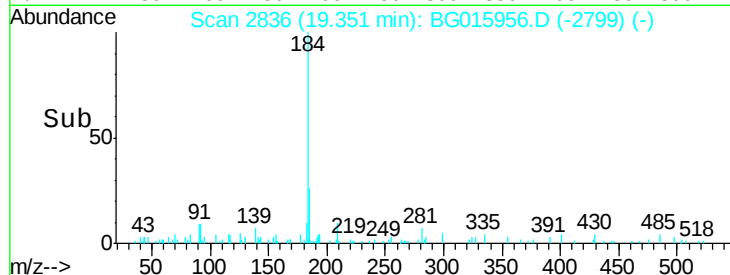
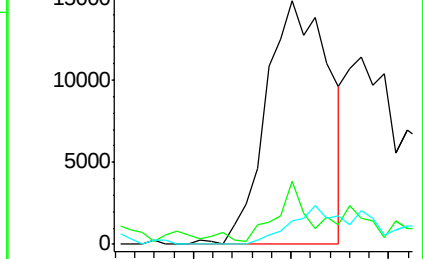
183 9.6 10.1 15.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 42.91 ng

RT: 19.51 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

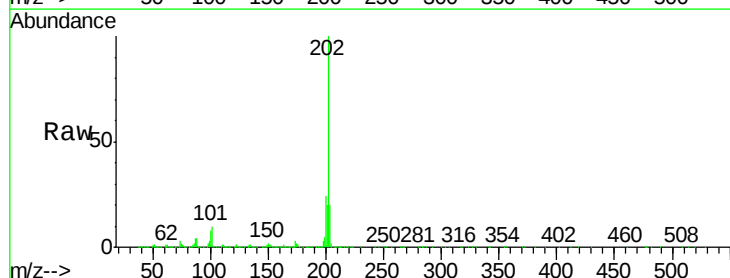
Tgt Ion:202 Resp: 2206983

Ion Ratio Lower Upper

202 100

200 23.7 19.3 28.9

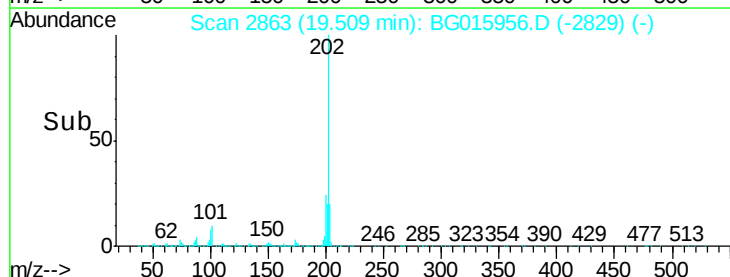
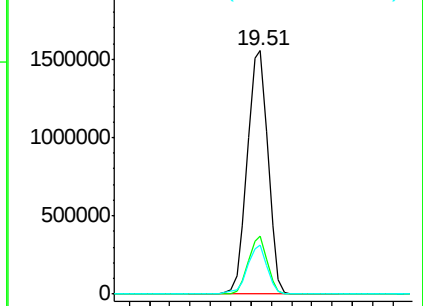
203 20.4 15.9 23.9

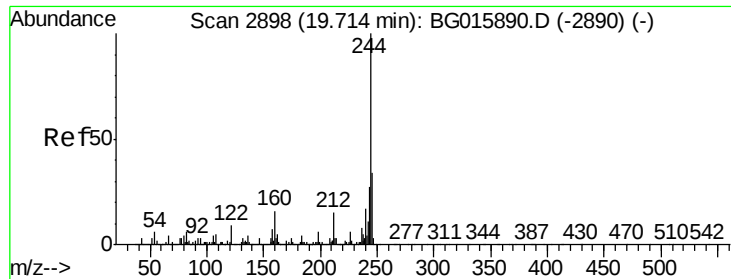


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 91.94 ng

RT: 19.71 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

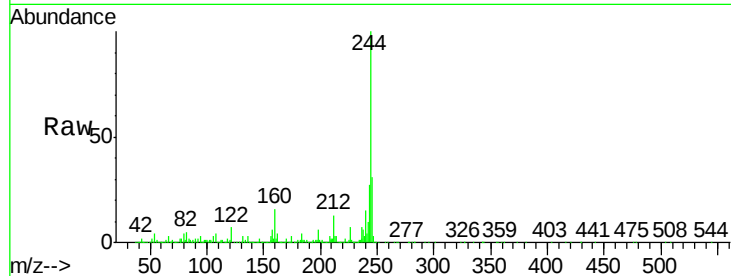
Tgt Ion:244 Resp: 3395459

Ion Ratio Lower Upper

244 100

212 13.3 11.6 17.4

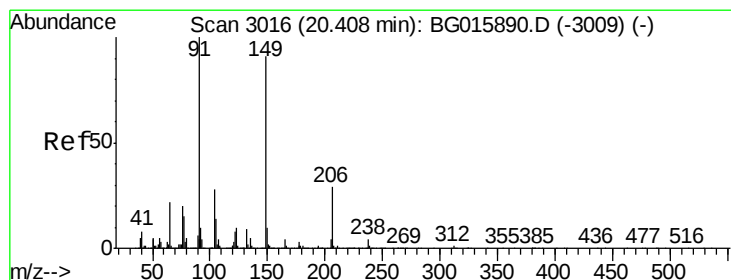
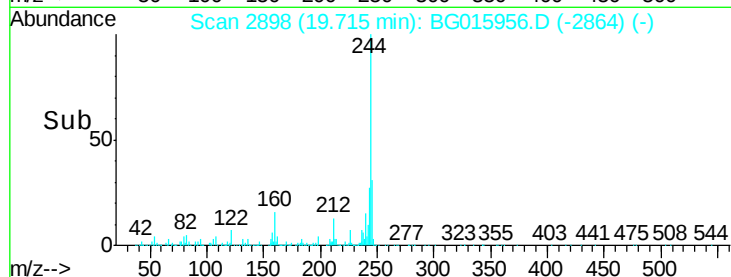
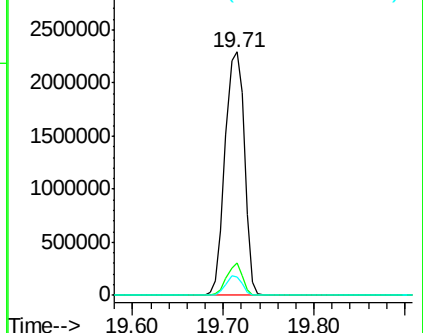
122 7.4 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 41.00 ng

RT: 20.41 min Scan# 3016

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

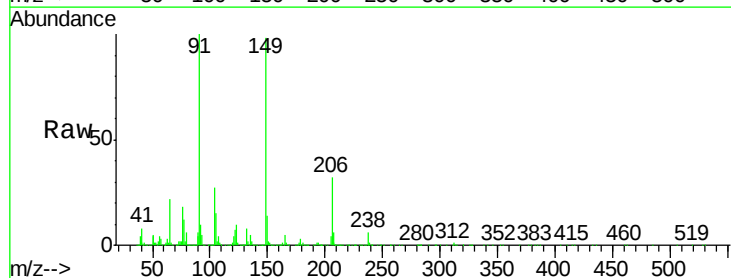
Tgt Ion:149 Resp: 773088

Ion Ratio Lower Upper

149 100

91 101.7 88.4 132.6

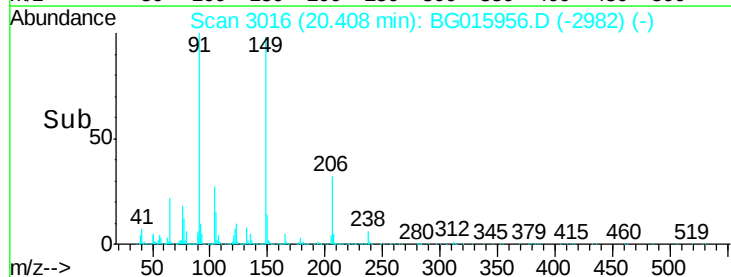
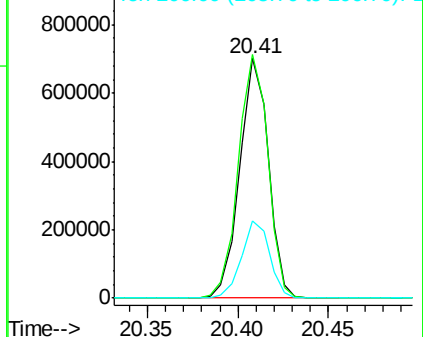
206 32.1 25.3 37.9

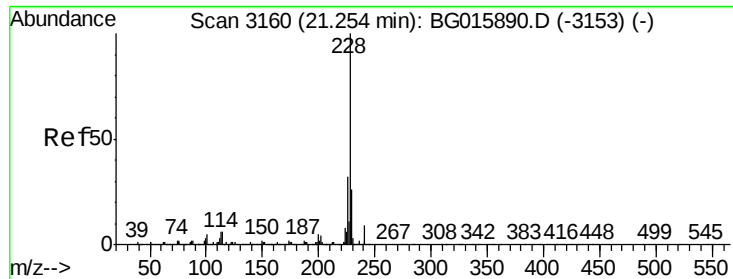


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 44.70 ng

RT: 21.25 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

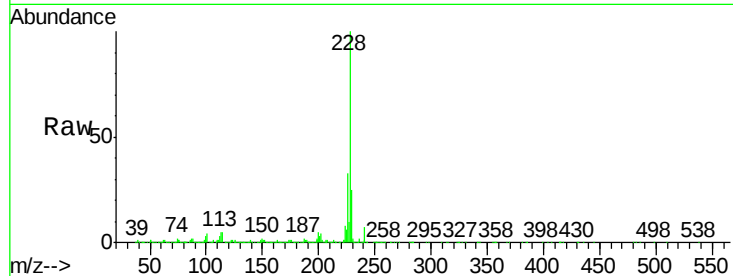
Tgt Ion:228 Resp: 2453120

Ion Ratio Lower Upper

228 100

226 32.8 25.4 38.0

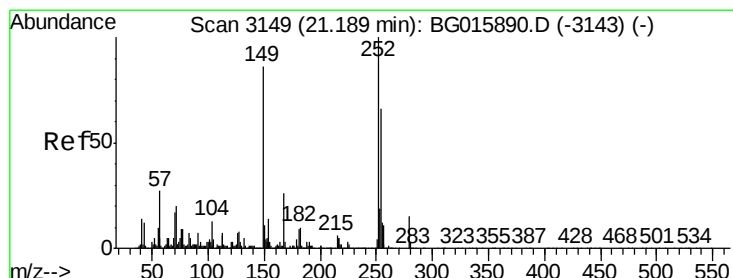
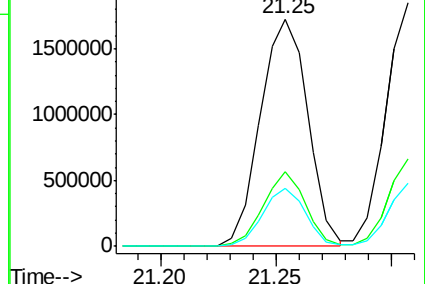
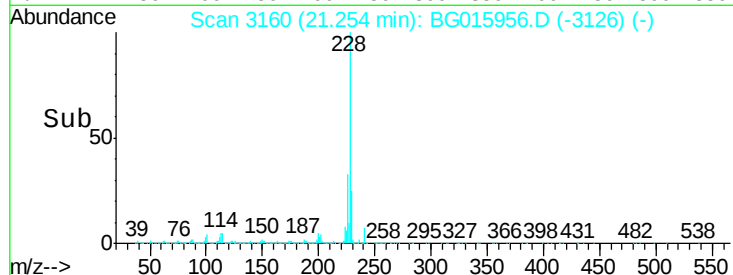
229 25.4 21.2 31.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 13.86 ng

RT: 21.19 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

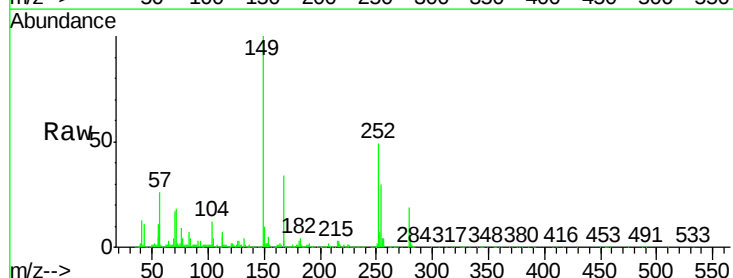
Tgt Ion:252 Resp: 335217

Ion Ratio Lower Upper

252 100

254 60.7 52.9 79.3

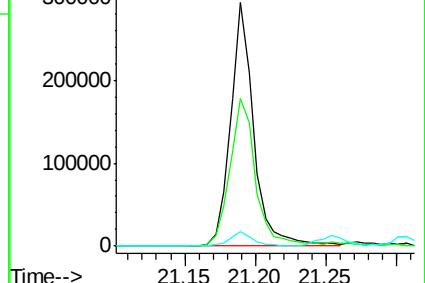
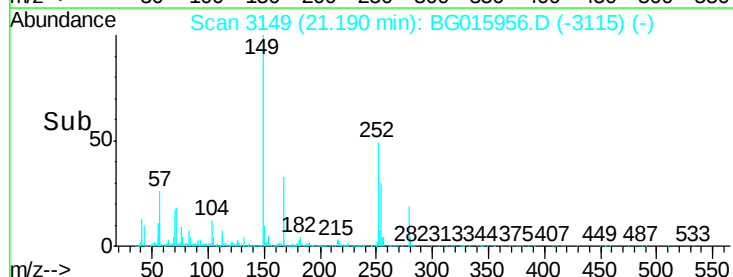
126 6.0 5.8 8.6

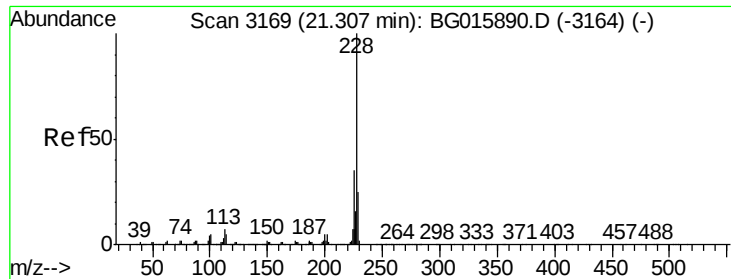


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 43.76 ng

RT: 21.31 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

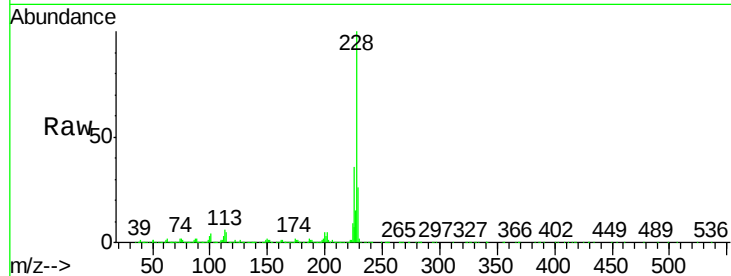
Tgt Ion:228 Resp: 2292991

Ion Ratio Lower Upper

228 100

226 35.8 28.1 42.1

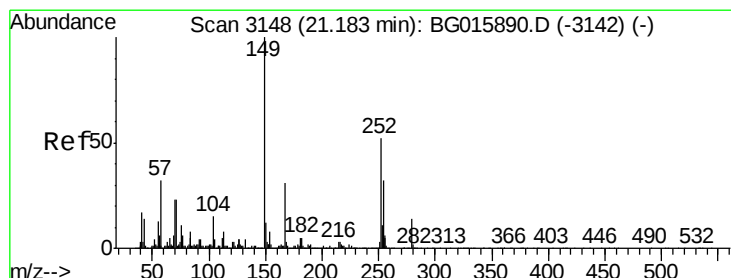
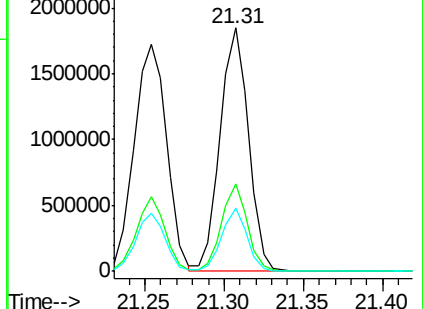
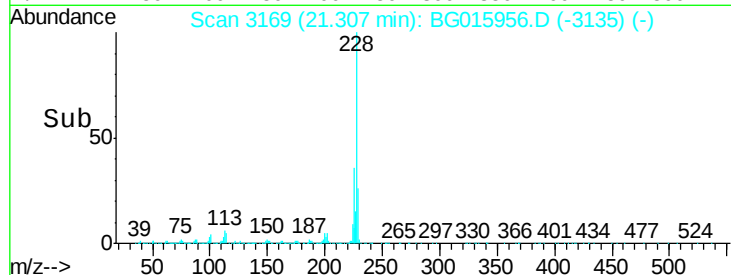
229 25.7 19.8 29.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 42.58 ng

RT: 21.18 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

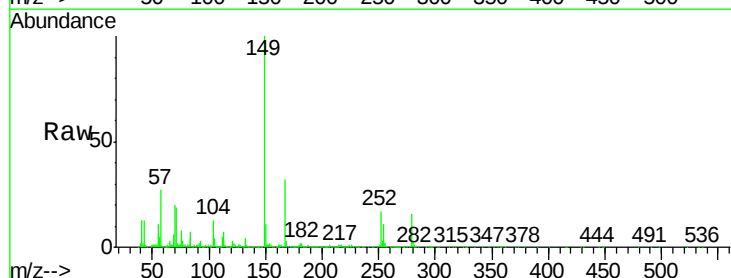
Tgt Ion:149 Resp: 1079559

Ion Ratio Lower Upper

149 100

167 32.4 25.1 37.7

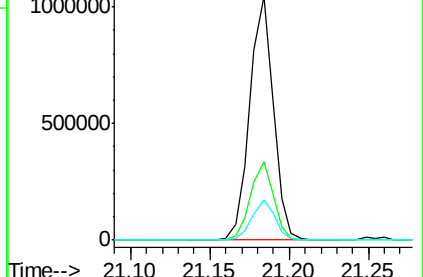
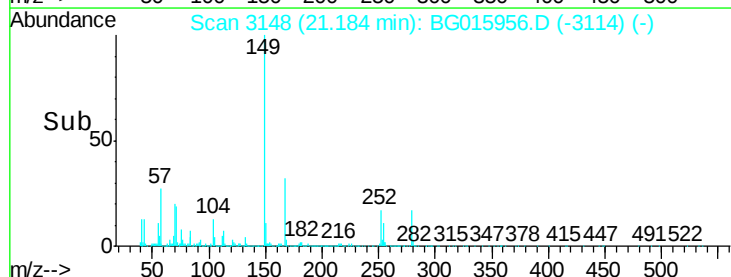
279 16.5 11.2 16.8

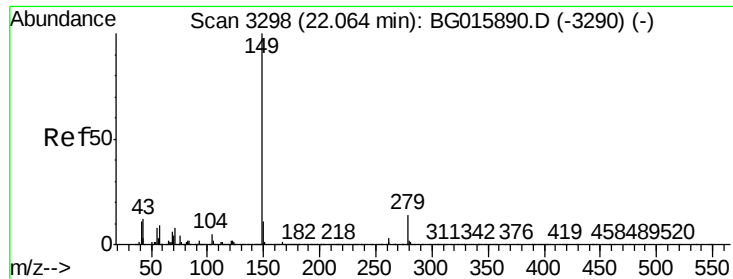


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

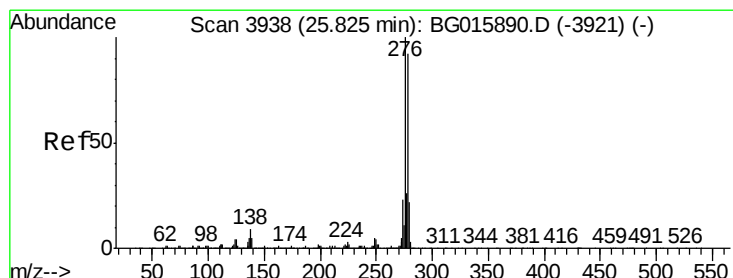
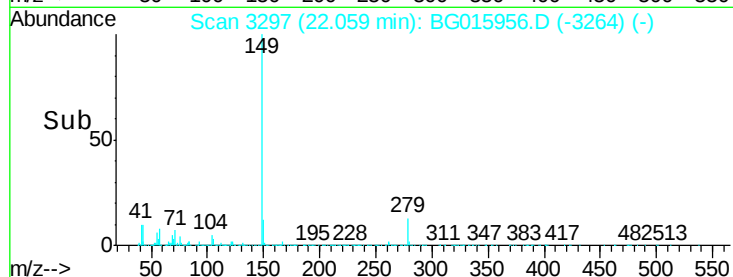
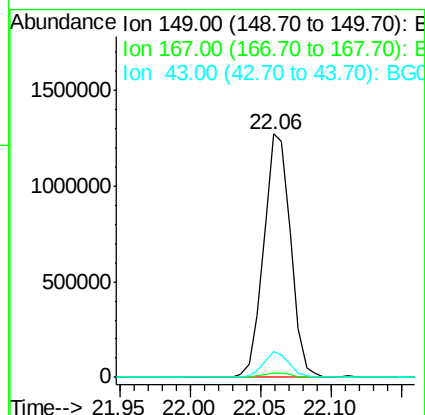
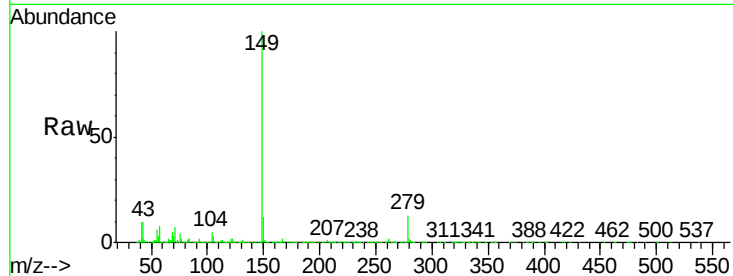




#84
Di-n-octyl phthalate
Concen: 43.50 ng
RT: 22.06 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

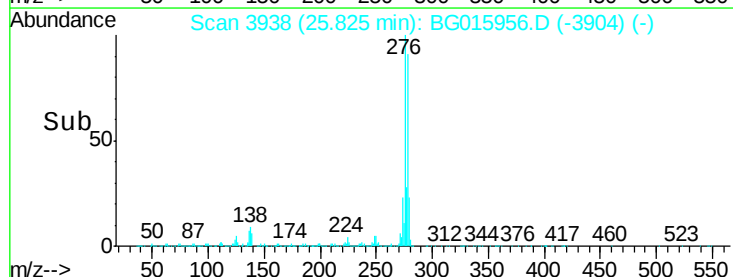
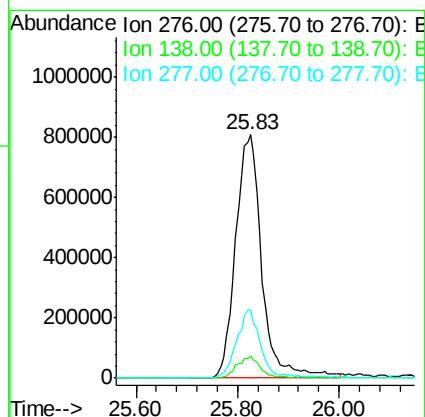
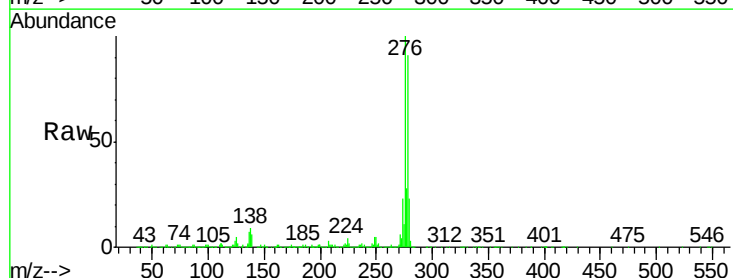
Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

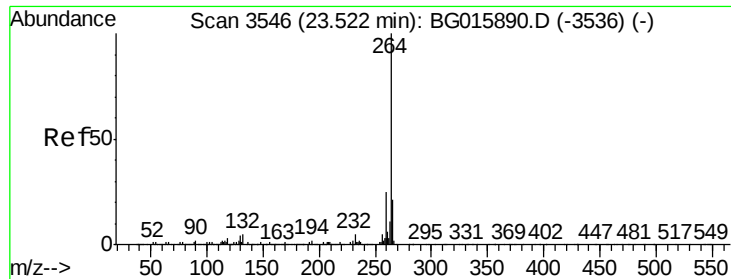
Tgt Ion:149 Resp: 1706362
Ion Ratio Lower Upper
149 100
167 2.0 1.4 2.0
43 10.1 9.2 13.8



#85
Indeno(1,2,3-cd)pyrene
Concen: 45.58 ng
RT: 25.83 min Scan# 3938
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:276 Resp: 2892647
Ion Ratio Lower Upper
276 100
138 7.6 6.9 10.3
277 25.9 20.7 31.1



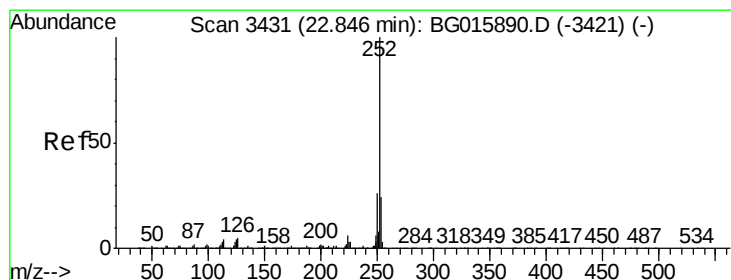
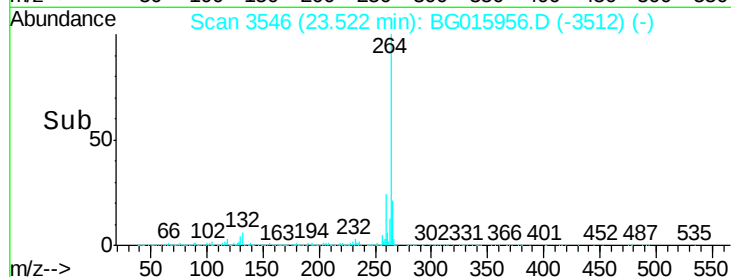
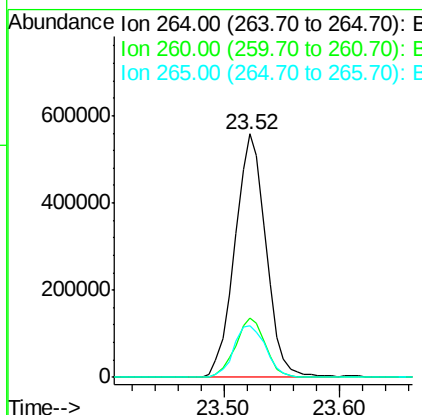
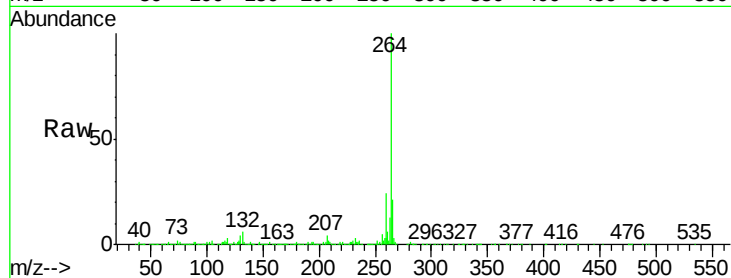


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.52 min Scan# 3546
Delta R.T. 0.00 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Instrument :
BNA_G
ClientSampleId :
DRILLCUTTINGSMS

Tgt Ion:264 Resp: 1040530

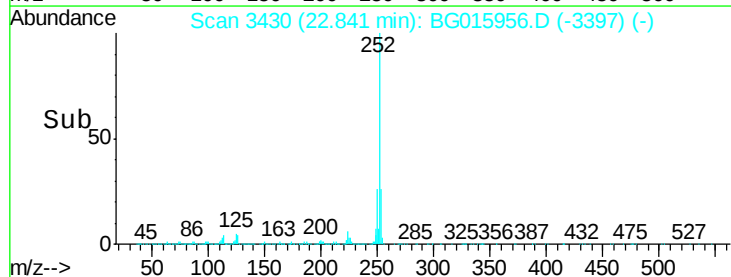
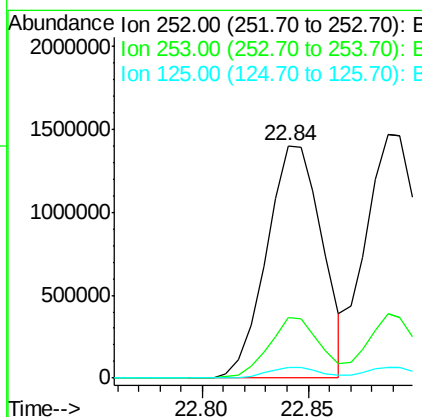
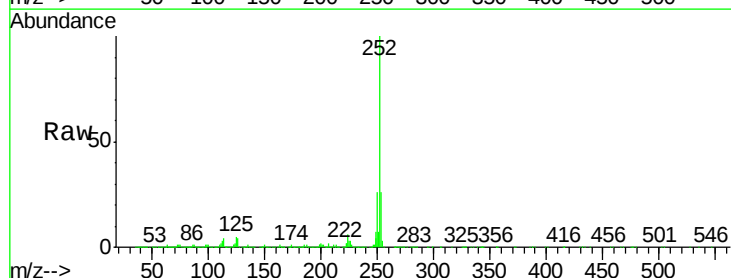
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.5	17.3	25.9

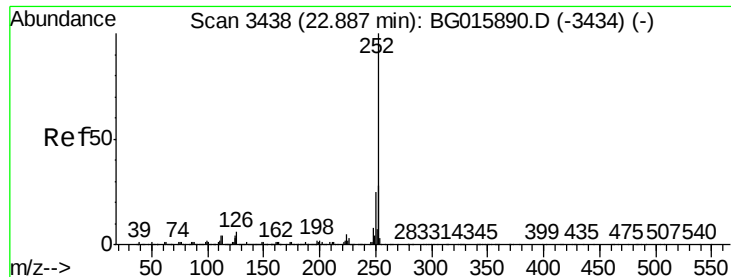


#87
Benzo(b)fluoranthene
Concen: 43.11 ng
RT: 22.84 min Scan# 3430
Delta R.T. -0.01 min
Lab File: BG015956.D
Acq: 27 Jan 2015 21:59

Tgt Ion:252 Resp: 2560706

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.0
125	4.5	2.9	4.3#





#88

Benzo(k)fluoranthene

Concen: 44.52 ng

RT: 22.89 min Scan# 3438

Delta R.T. -0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

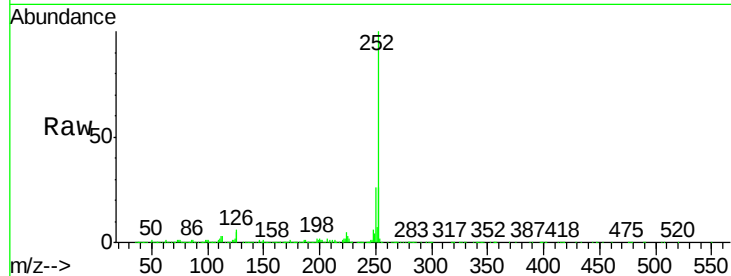
Tgt Ion:252 Resp: 2559851

Ion Ratio Lower Upper

252 100

253 26.4 21.3 31.9

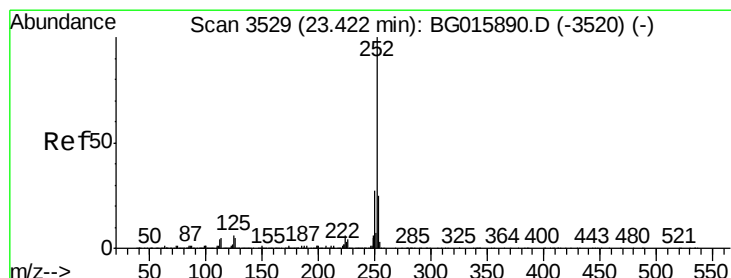
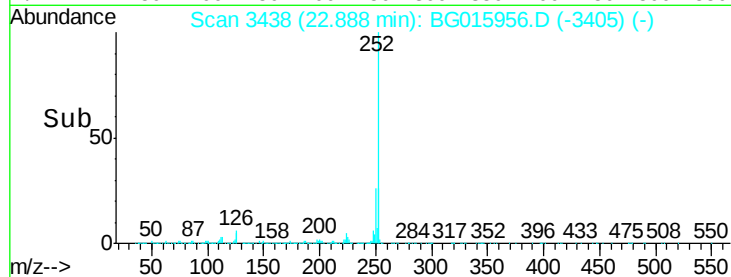
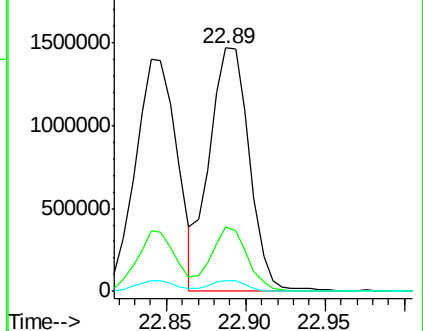
125 4.6 3.4 5.0



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

Benzo(a)pyrene

Concen: 43.90 ng

RT: 23.43 min Scan# 3530

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

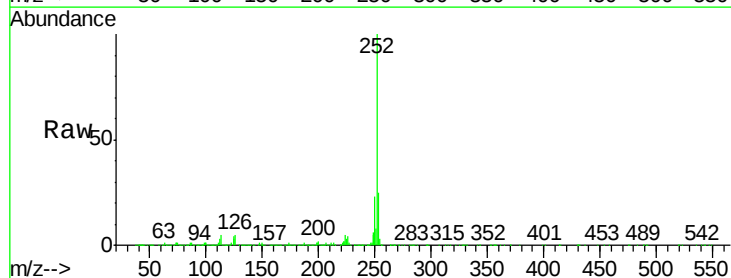
Tgt Ion:252 Resp: 2508549

Ion Ratio Lower Upper

252 100

253 24.7 19.9 29.9

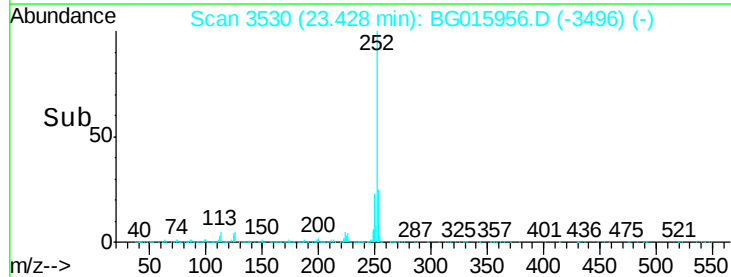
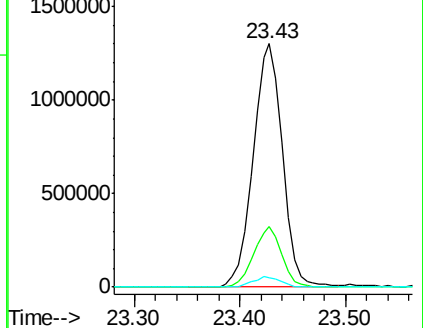
125 3.8 4.5 6.7#

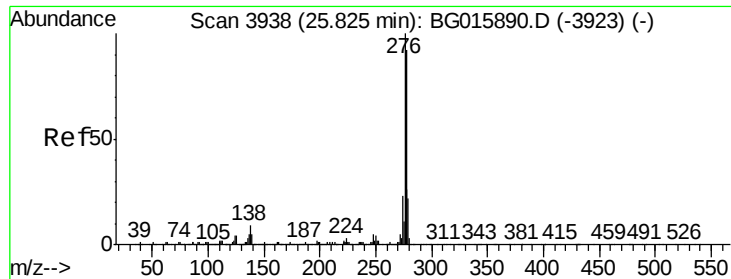


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 43.51 ng

RT: 25.83 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

Instrument :

BNA_G

ClientSampleId :

DRILLCUTTINGSMS

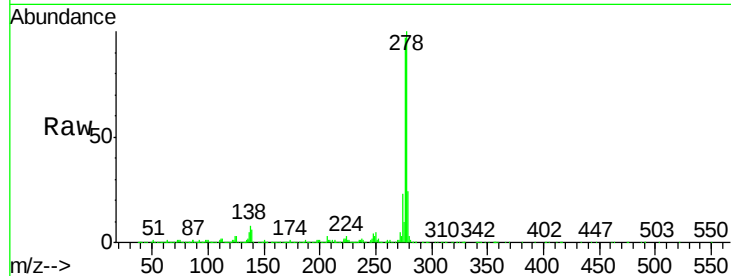
Tgt Ion:278 Resp: 2360160

Ion Ratio Lower Upper

278 100

139 5.6 4.3 6.5

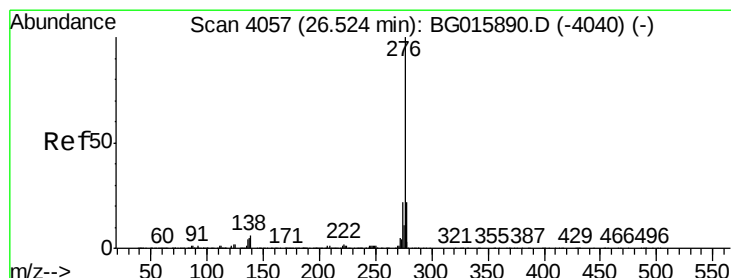
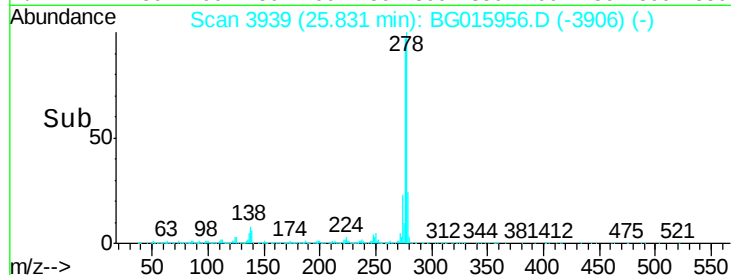
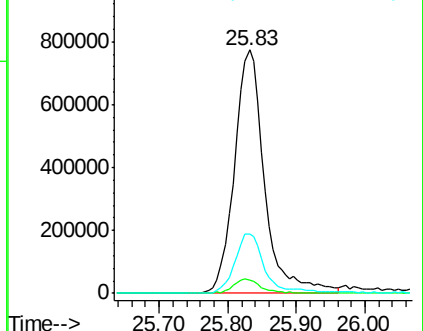
279 24.4 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 44.61 ng

RT: 26.52 min Scan# 4057

Delta R.T. 0.00 min

Lab File: BG015956.D

Acq: 27 Jan 2015 21:59

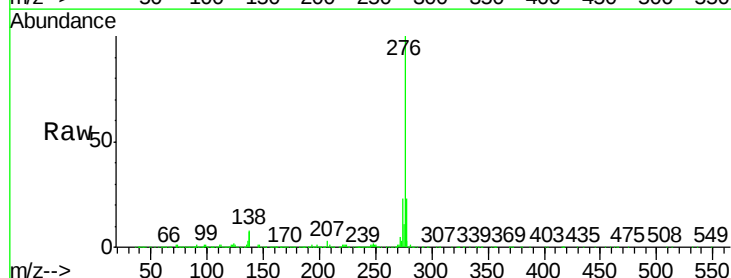
Tgt Ion:276 Resp: 2361223

Ion Ratio Lower Upper

276 100

277 22.8 17.2 25.8

138 7.8 5.0 7.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

