

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012115\
 Data File : BG015910.D
 Acq On : 21 Jan 2015 19:51
 Operator : TP/IZ
 Sample : G1100-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 8035

Quant Time: Jan 22 01:07:55 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 22 00:16:08 2015
 Response via : Initial Calibration

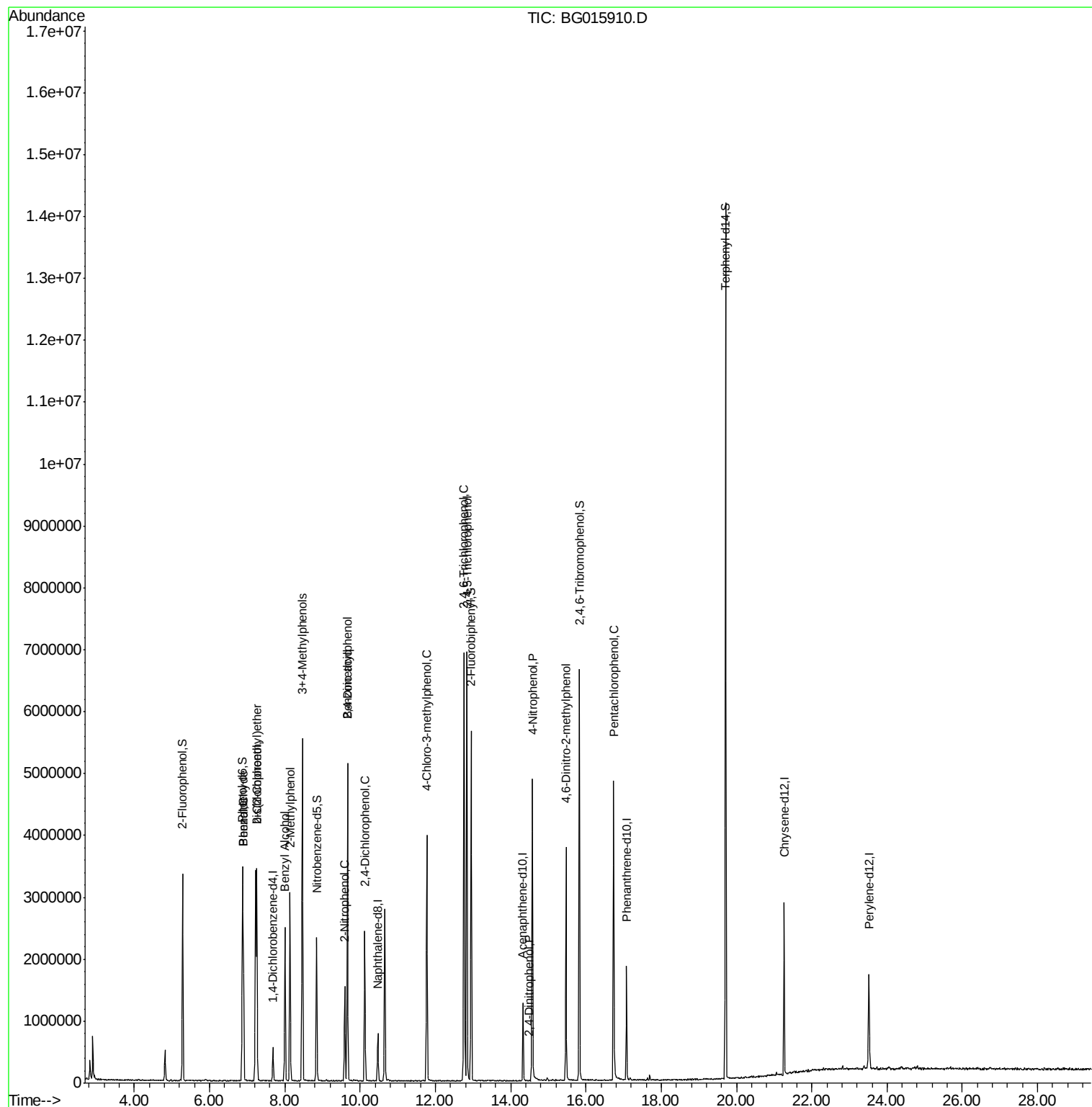
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	101360	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	435769	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	370719	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	900861	20.00	ng	0.00
75) Chrysene-d12	21.26	240	1333311	20.00	ng	0.00
86) Perylene-d12	23.52	264	1200078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1063829	156.30	ng	0.00
7) Phenol-d6	6.88	99	1700552	155.04	ng	0.00
23) Nitrobenzene-d5	8.85	82	1408754	93.19	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	987607	145.52	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	2304806	97.55	ng	0.00
78) Terphenyl-d14	19.71	244	4076889	88.18	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.26	128	913382	139.85	ng	97
9) Benzaldehyde	6.90	77	23508	2.35	ng	# 15
10) Phenol	6.90	94	1359310	108.73	ng	92
11) bis(2-Chloroethyl)ether	7.26	93	39484	4.09	ng	# 1
15) Benzyl Alcohol	8.00	79	26825	2.24	ng	# 65
17) 2-Methylphenol	8.14	107	719955	92.95	ng	93
20) 3+4-Methylphenols	8.47	107	1864009	183.59	ng	# 89
26) 2-Nitrophenol	9.59	139	275539	69.97	ng	84
27) 2,4-Dimethylphenol	9.66	122	1014187	134.60	ng	92
29) 2,4-Dichlorophenol	10.13	162	594002	75.49	ng	97
32) Benzoic acid	9.66	122	1014187	155.13	ng	# 10
36) 4-Chloro-3-methylphenol	11.77	107	1211150	104.65	ng	99
42) 2,4,6-Trichlorophenol	12.77	196	1464792	176.88	ng	97
43) 2,4,5-Trichlorophenol	12.84	196	1547230	165.27	ng	# 97
53) 2,4-Dinitrophenol	14.48	184	115	4.53	ng	# 73
55) 4-Nitrophenol	14.58	139	764268	196.05	ng	95
64) 4,6-Dinitro-2-methylphenol	15.47	198	783485	120.53	ng	91
69) Pentachlorophenol	16.74	266	829602	97.20	ng	100
80) Benzo(a)anthracene	21.27	228	6474	Below Cal	#	87

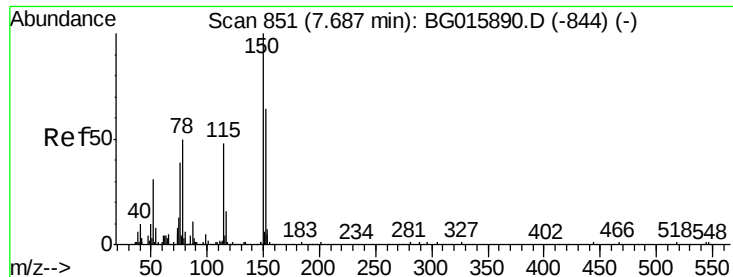
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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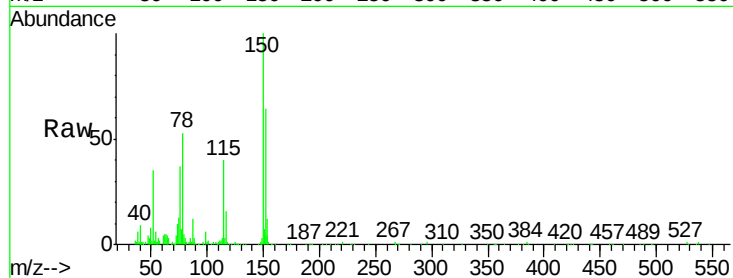


#1

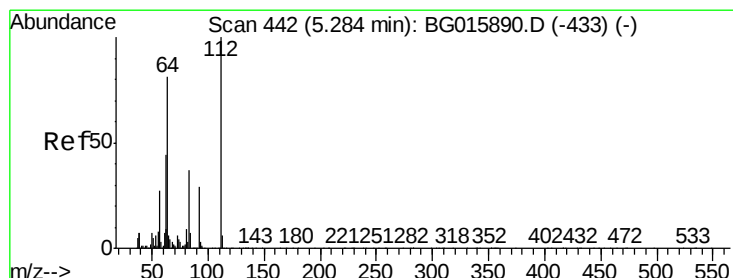
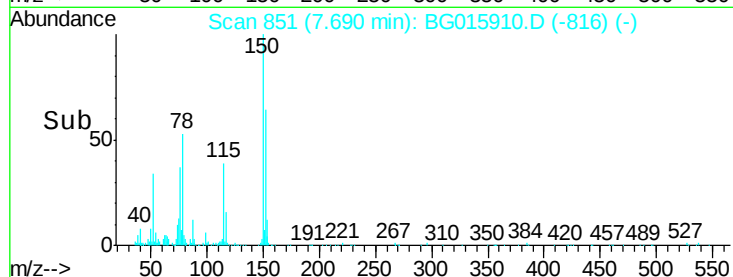
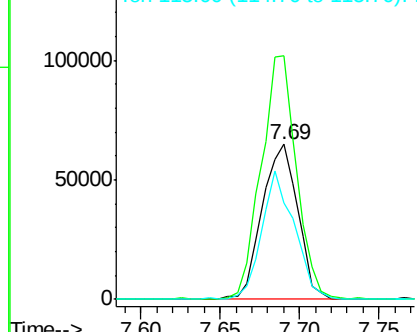
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.69 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Instrument :
 BNA_G
 ClientSampleId :
 8035

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.5	186.7
115	62.2	60.4	90.6



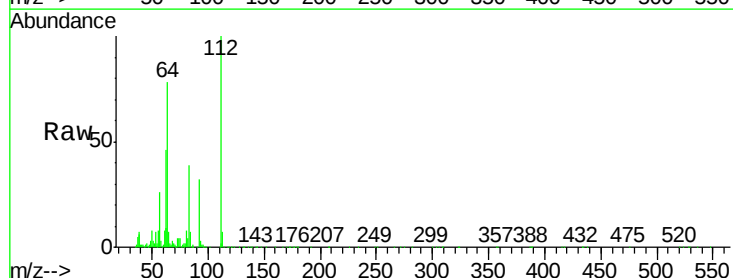
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



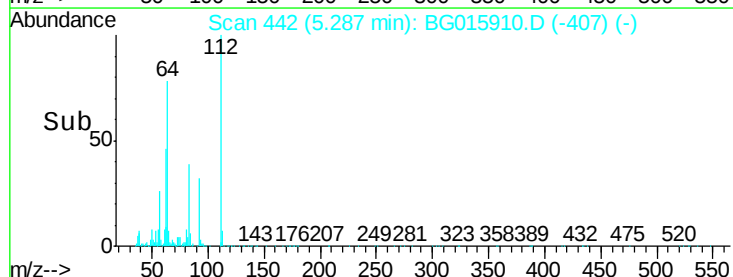
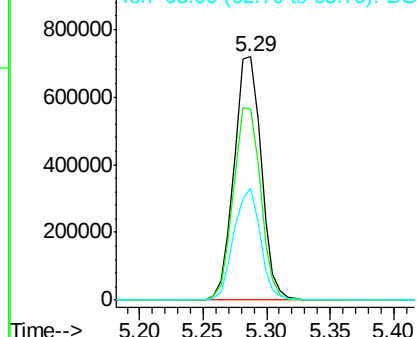
#5

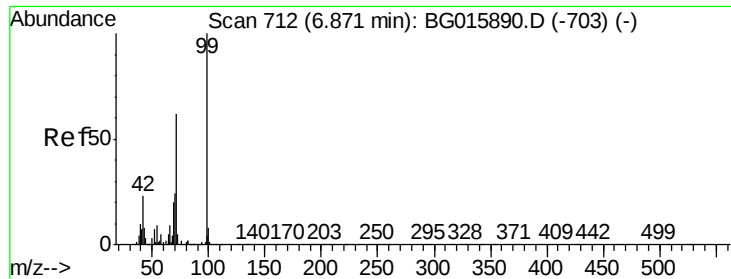
2-Fluorophenol
 Concen: 156.30 ng
 RT: 5.29 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.4	64.4	96.6
63	45.9	35.1	52.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 155.04 ng

RT: 6.88 min Scan# 713

Delta R.T. 0.01 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Instrument :

BNA_G

ClientSampleId :

8035

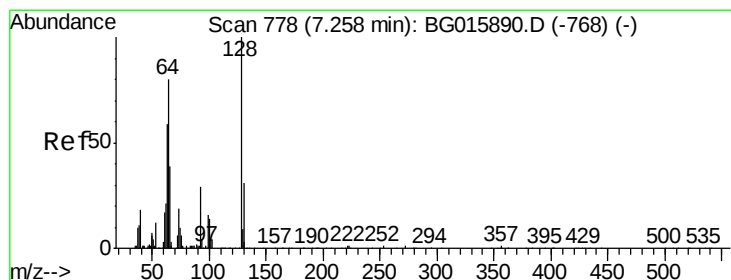
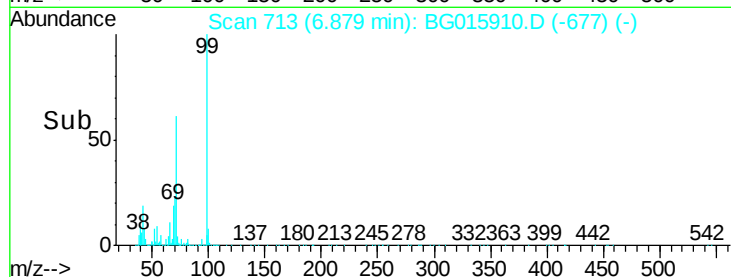
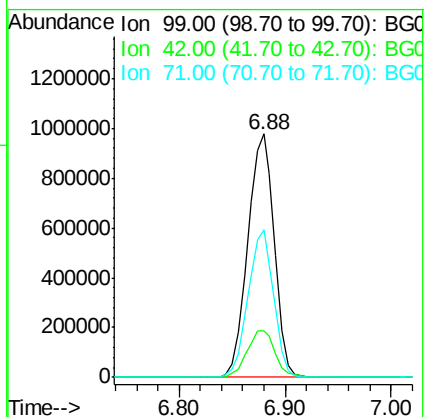
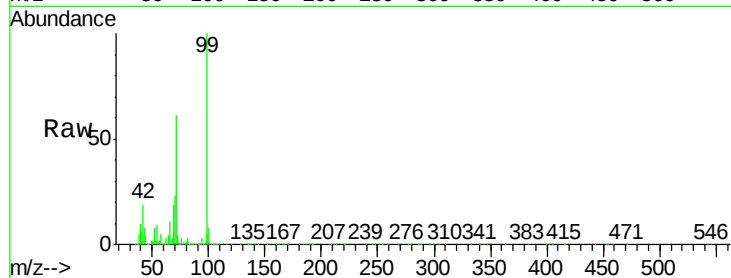
Tgt Ion: 99 Resp: 1700552

Ion Ratio Lower Upper

99 100

42 19.4 18.1 27.1

71 60.7 49.8 74.8



#8

2-Chlorophenol

Concen: 139.85 ng

RT: 7.26 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

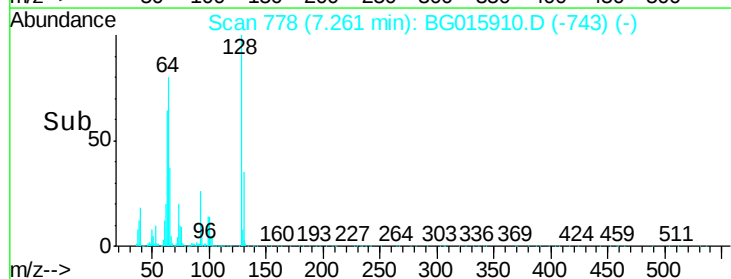
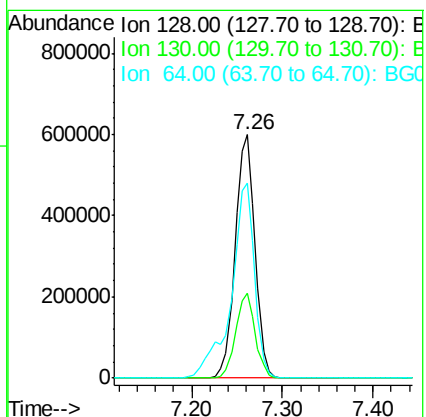
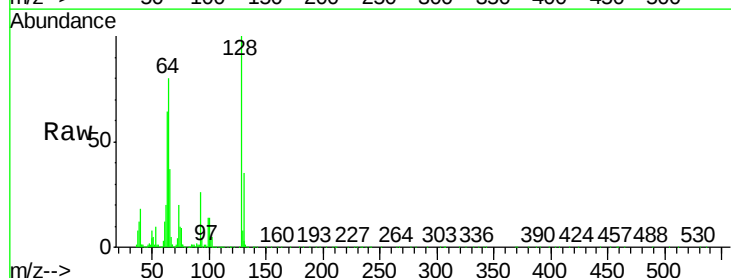
Tgt Ion: 128 Resp: 913382

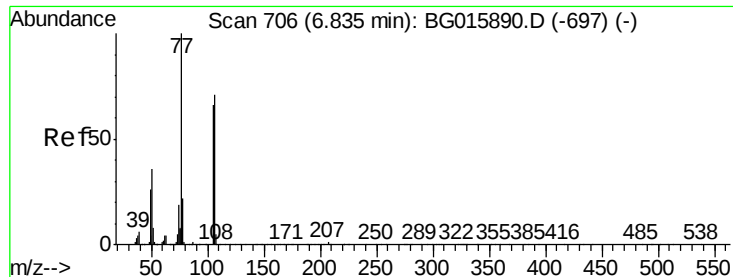
Ion Ratio Lower Upper

128 100

130 34.9 11.0 51.0

64 79.8 60.7 100.7





#9

Benzaldehyde

Concen: 2.35 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.07 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Instrument :

BNA_G

ClientSampleId :

8035

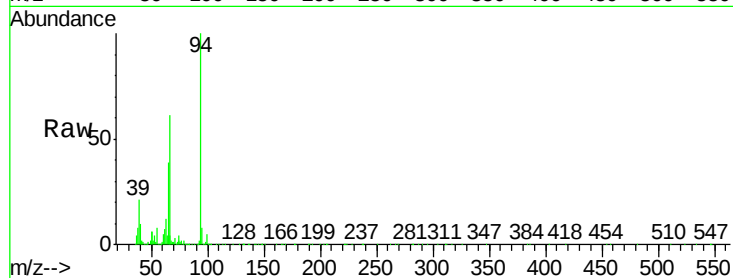
Tgt Ion: 77 Resp: 23508

Ion Ratio Lower Upper

77 100

105 0.0 46.0 86.0#

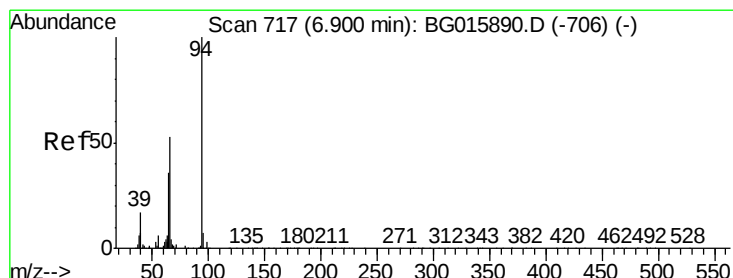
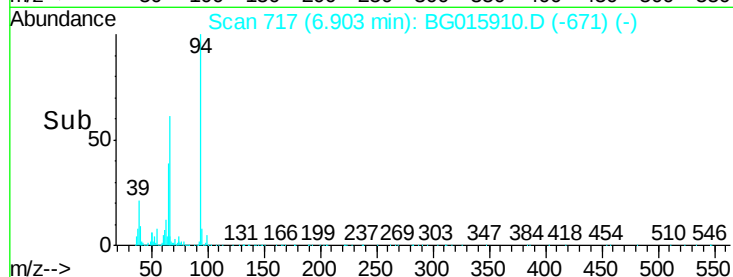
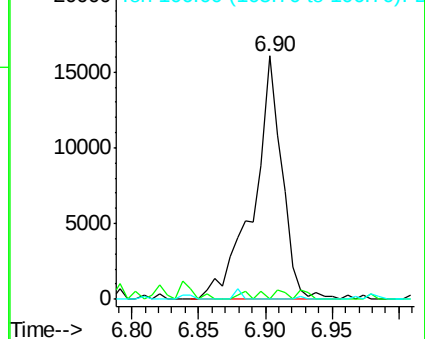
106 0.0 51.1 91.1#



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: 108.73 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

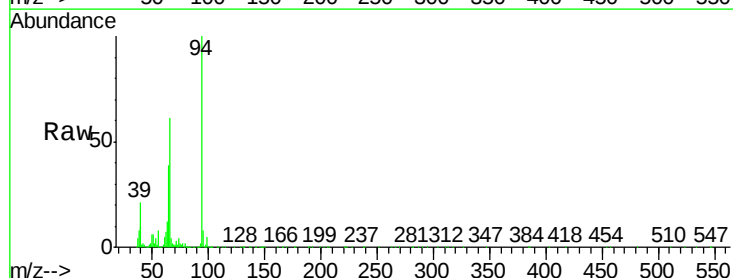
Tgt Ion: 94 Resp: 1359310

Ion Ratio Lower Upper

94 100

65 38.9 16.5 56.5

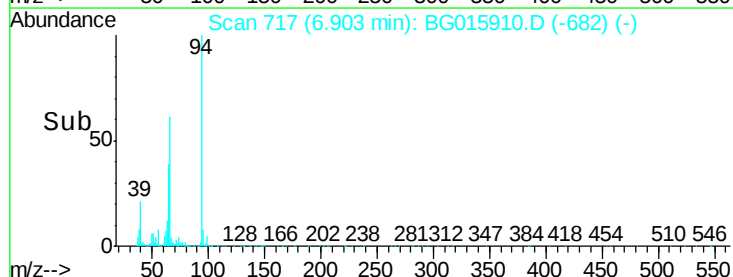
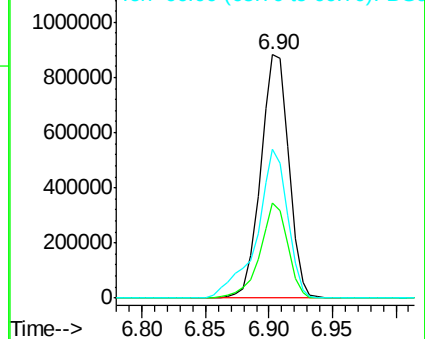
66 61.1 33.3 73.3

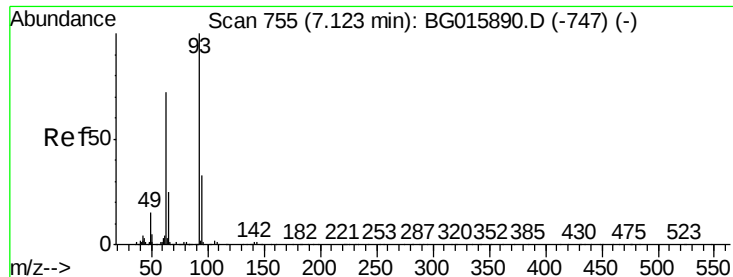


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

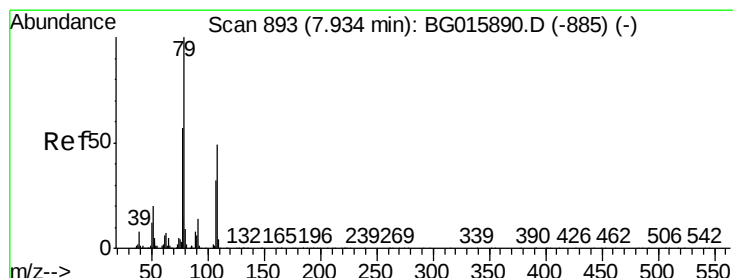
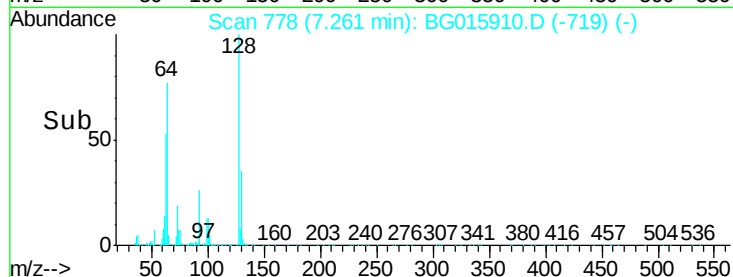
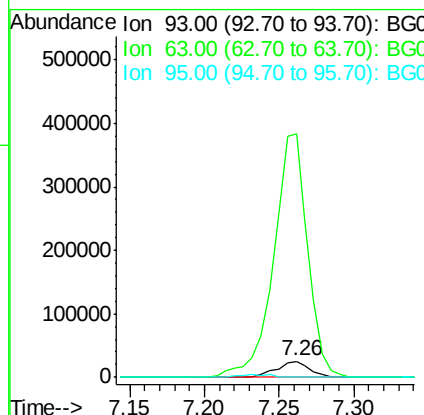
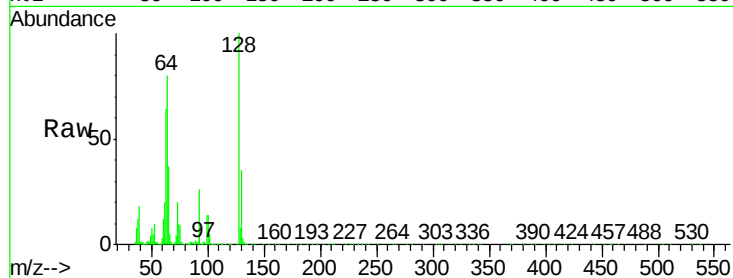




#11
bis(2-Chloroethyl)ether
Concen: 4.09 ng
RT: 7.26 min Scan# 778
Delta R.T. 0.14 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

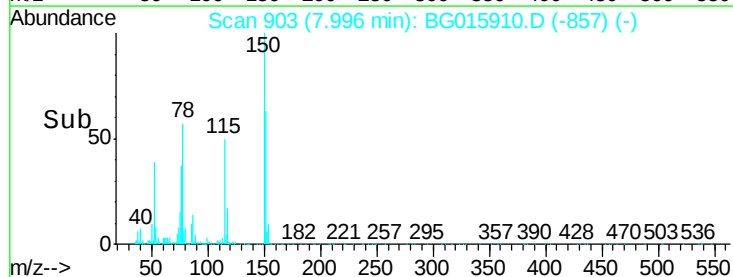
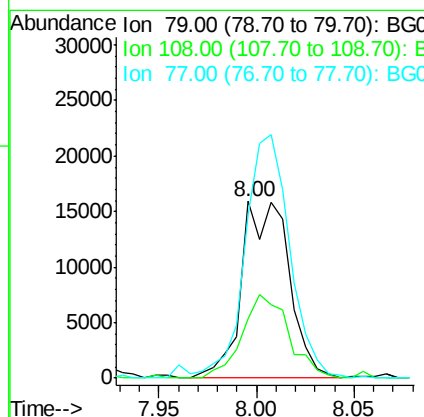
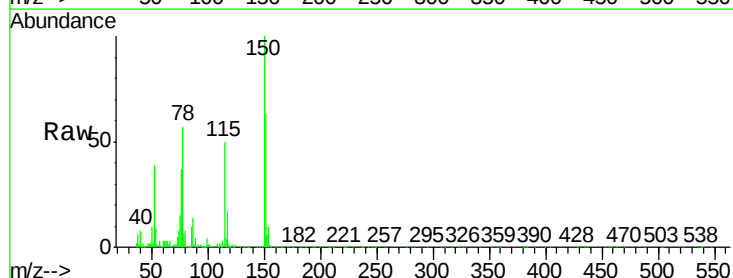
Instrument :
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ClientSampleId :
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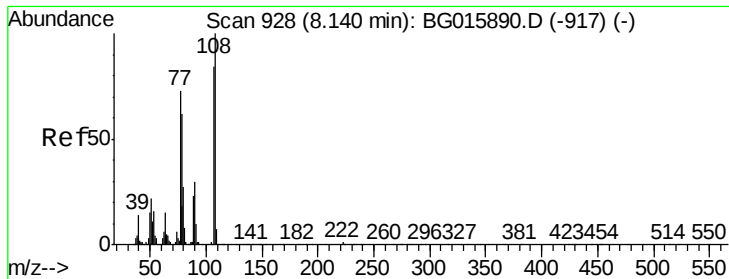
Tgt Ion: 93 Resp: 39484
Ion Ratio Lower Upper
93 100
63 1545.3 51.7 91.7#
95 4.3 12.7 52.7#



#15
Benzyl Alcohol
Concen: 2.24 ng
RT: 8.00 min Scan# 903
Delta R.T. 0.07 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion: 79 Resp: 26825
Ion Ratio Lower Upper
79 100
108 33.6 38.9 58.3#
77 91.9 46.1 69.1#

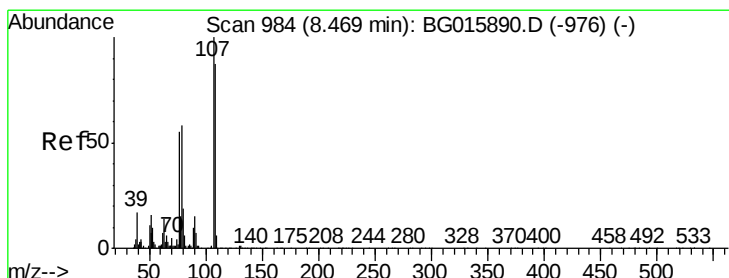
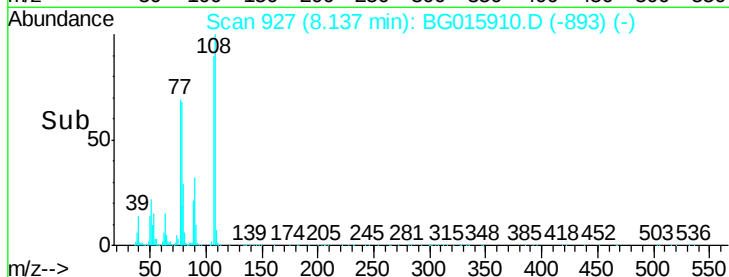
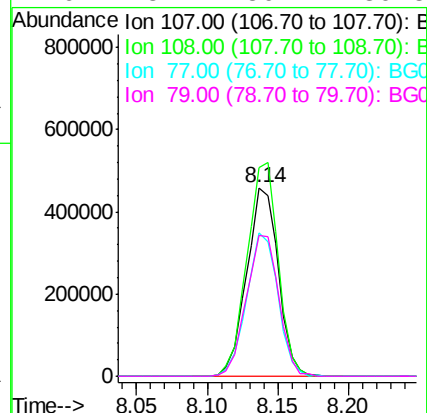
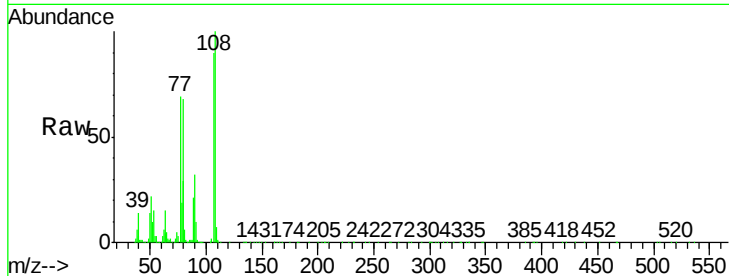




#17
2-Methylphenol
Concen: 92.95 ng
RT: 8.14 min Scan# 927
Delta R.T. -0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

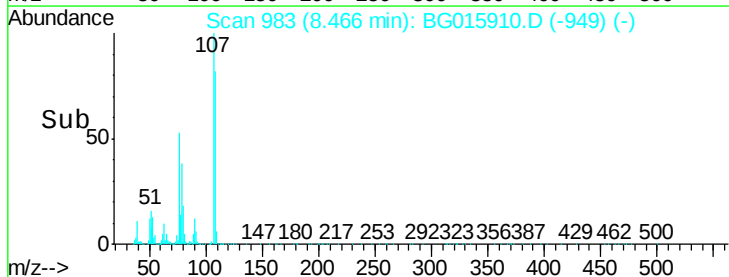
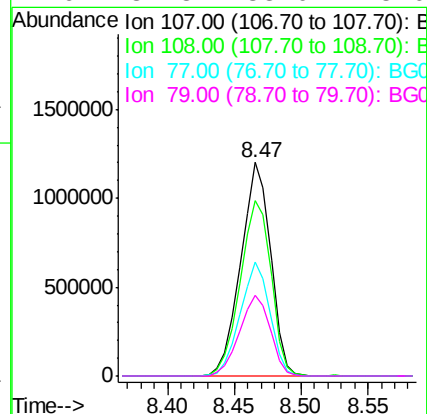
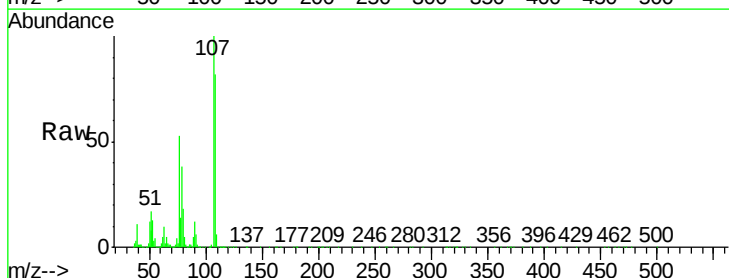
Instrument :
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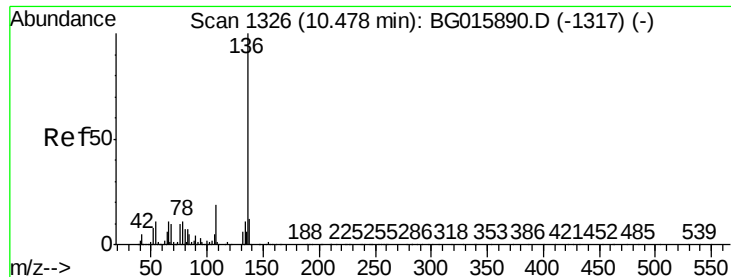
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	719955		
108	110.5	95.1	142.7	
77	76.4	69.2	103.8	
79	75.1	59.7	89.5	



#20
3+4-Methylphenols
Concen: 183.59 ng
RT: 8.47 min Scan# 983
Delta R.T. -0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1864009		
108	81.9	66.9	106.9	
77	53.3	34.8	74.8	
79	37.8	38.0	78.0	

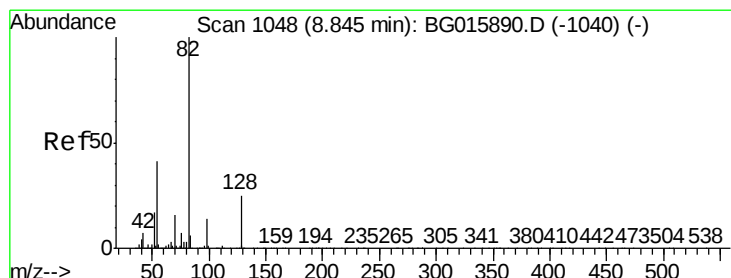
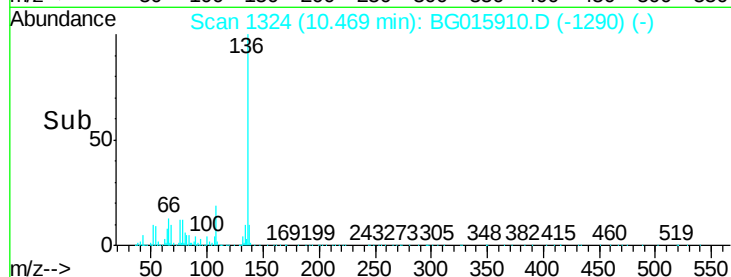
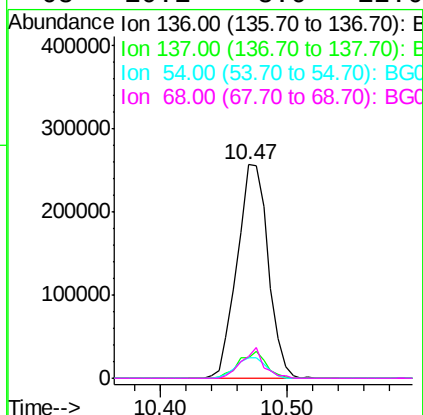
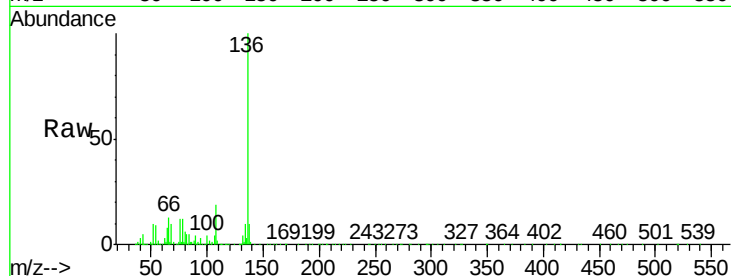




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.47 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

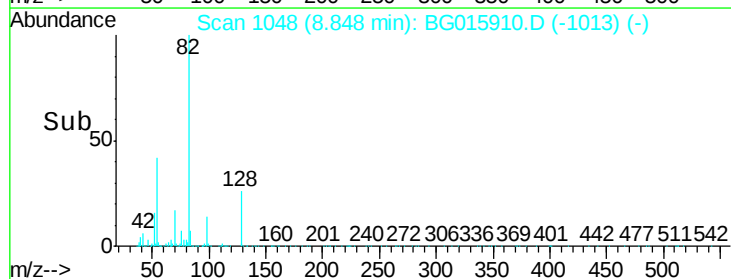
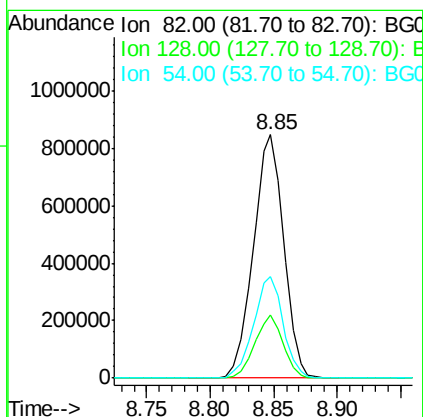
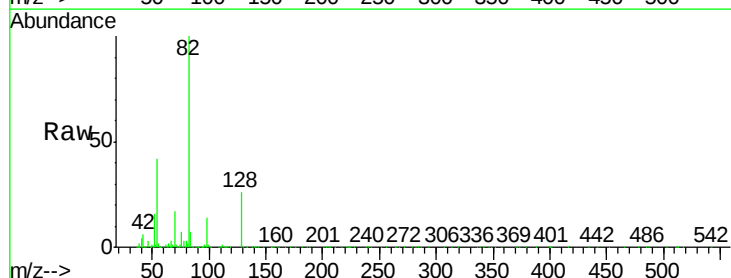
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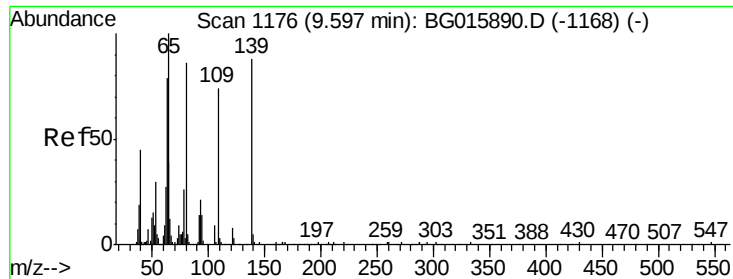
Tgt Ion:	136	Resp:	435769
Ion Ratio		Lower	Upper
136	100		
137	9.6	9.7	14.5#
54	9.3	8.5	12.7
68	10.1	8.0	12.0



#23
Nitrobenzene-d5
Concen: 93.19 ng
RT: 8.85 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion:	82	Resp:	1408754
Ion Ratio		Lower	Upper
82	100		
128	26.0	19.8	29.8
54	41.6	33.0	49.4

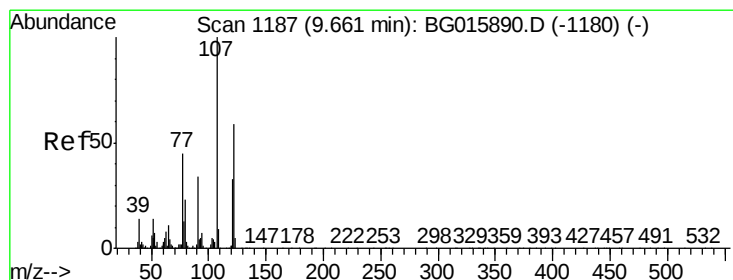
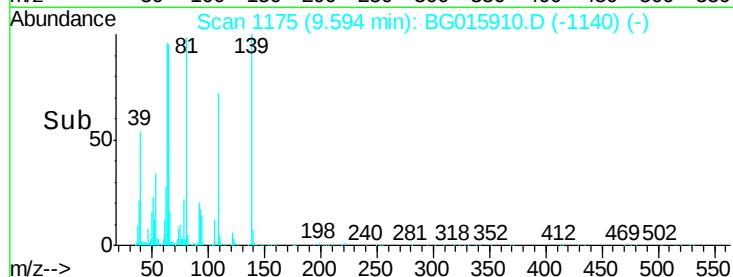
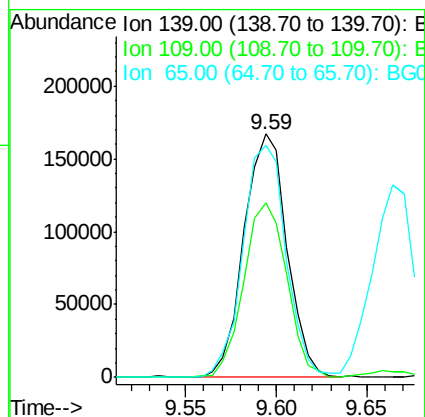
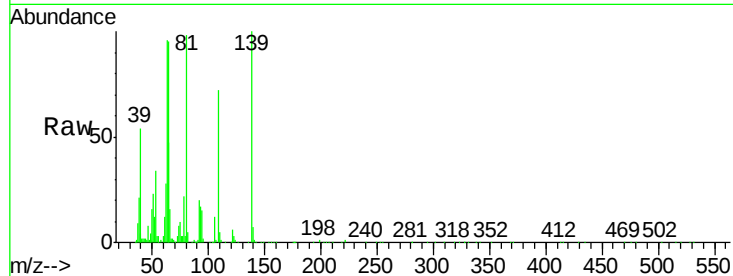




#26
2-Nitrophenol
Concen: 69.97 ng
RT: 9.59 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

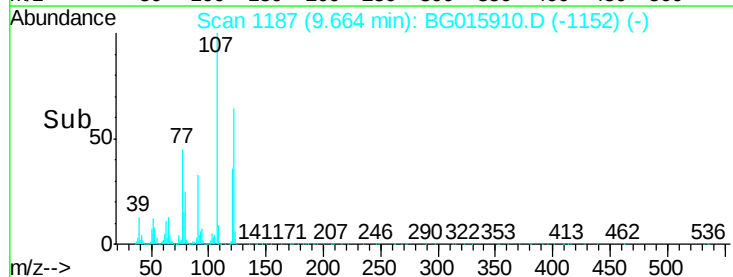
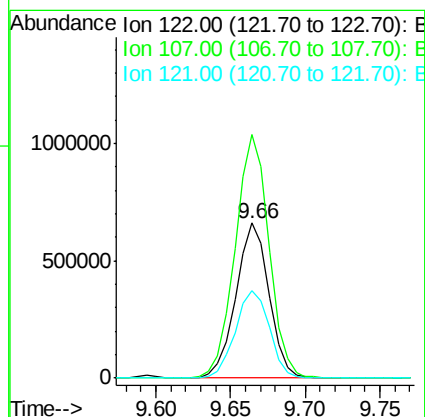
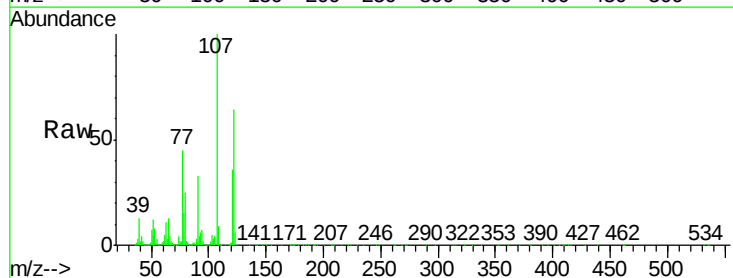
Instrument :
BNA_G
ClientSampleId :
8035

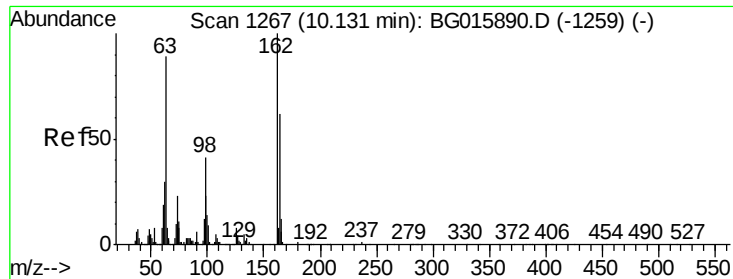
Tgt Ion:139 Resp: 275539
Ion Ratio Lower Upper
139 100
109 71.6 67.2 100.8
65 95.2 91.3 136.9



#27
2,4-Dimethylphenol
Concen: 134.60 ng
RT: 9.66 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion:122 Resp: 1014187
Ion Ratio Lower Upper
122 100
107 156.8 136.8 205.2
121 56.7 44.9 67.3

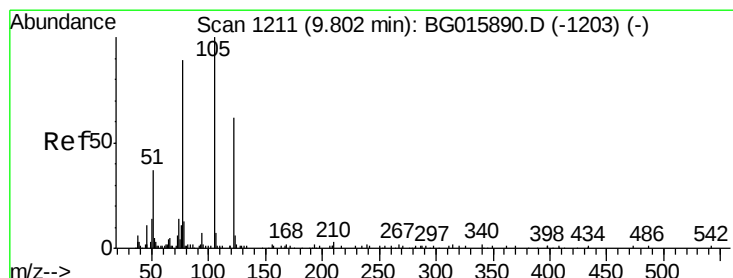
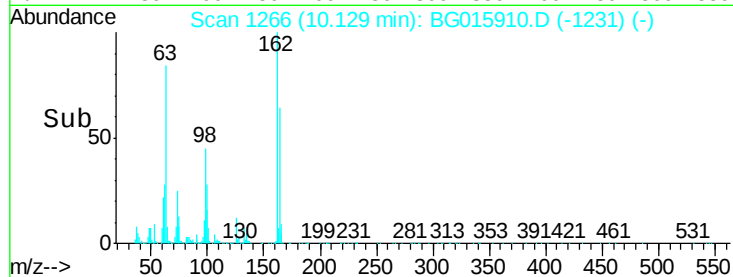
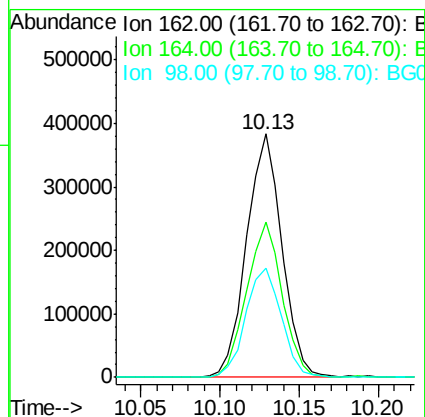
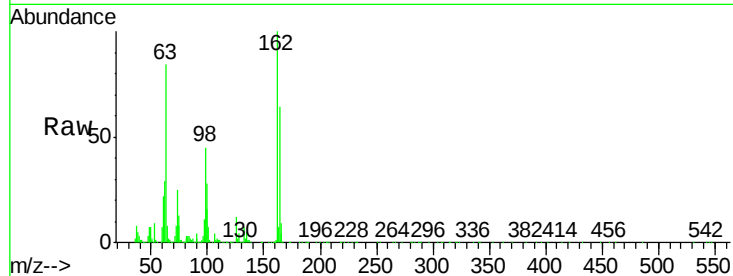




#29
2,4-Dichlorophenol
Concen: 75.49 ng
RT: 10.13 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

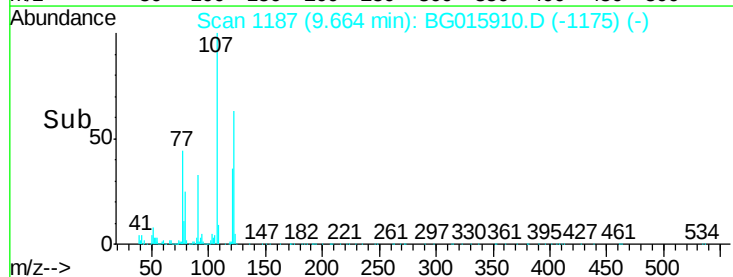
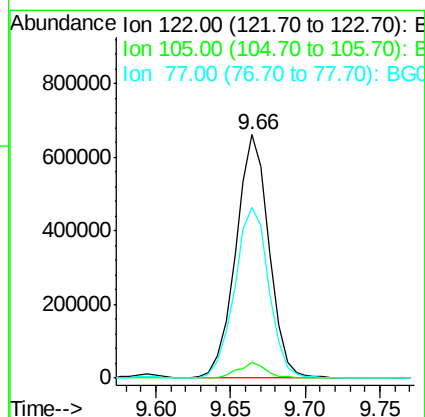
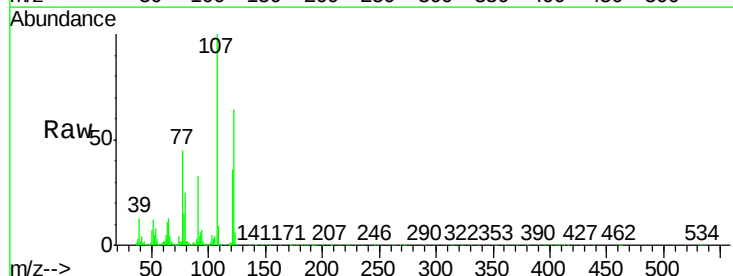
Instrument :
BNA_G
ClientSampleId :
8035

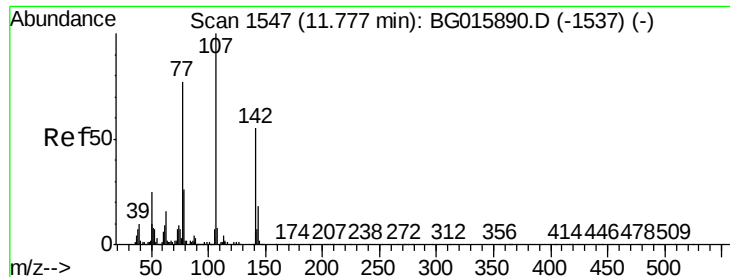
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.5	82.5
98	44.6	21.1	61.1



#32
Benzoic acid
Concen: 155.13 ng
RT: 9.66 min Scan# 1187
Delta R.T. -0.13 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion	Ratio	Lower	Upper
122	100		
105	6.7	140.2	180.2#
77	70.3	126.4	166.4#

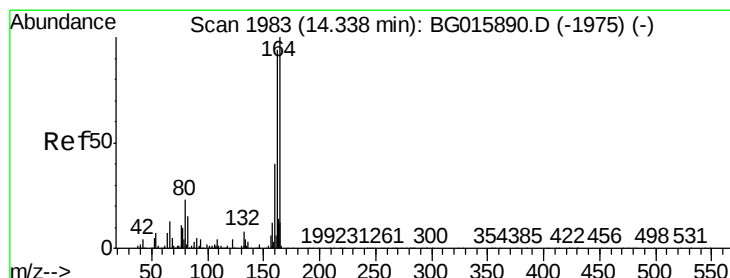
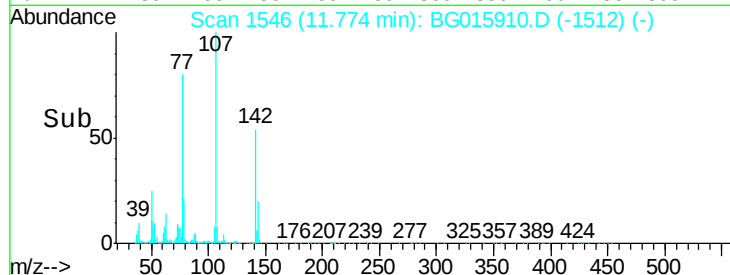
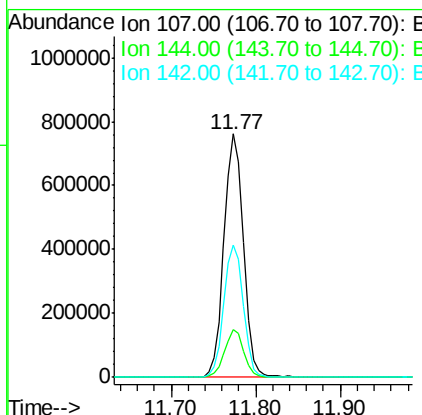
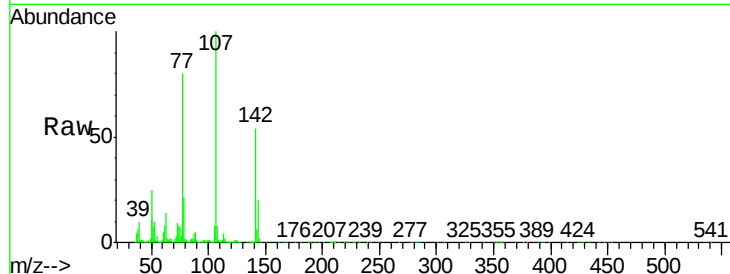




#36
 4-Chloro-3-methylphenol
 Concen: 104.65 ng
 RT: 11.77 min Scan# 1546
 Delta R.T. -0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

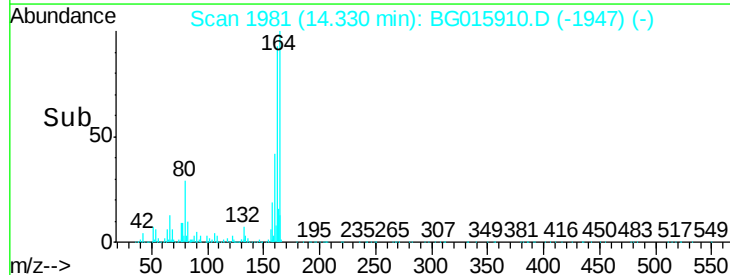
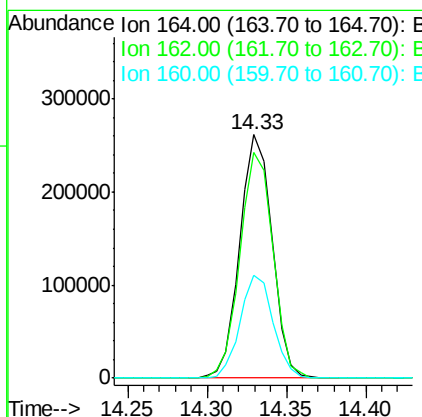
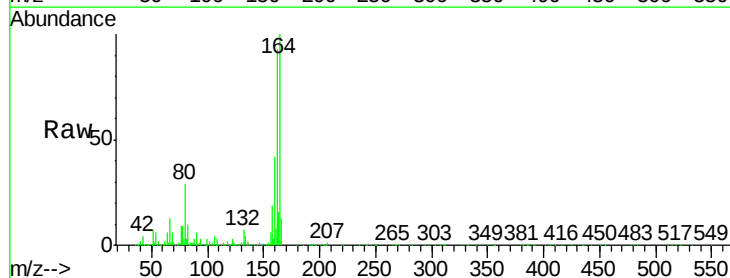
Instrument :
 BNA_G
 ClientSampleId :
 8035

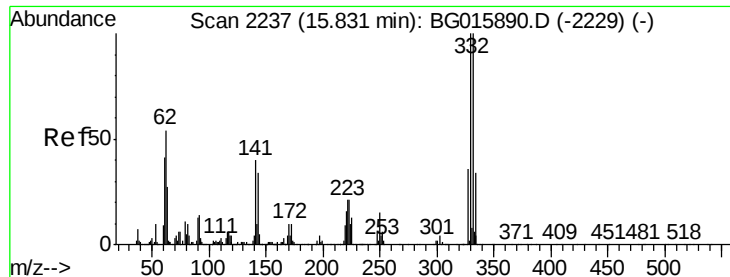
Tgt Ion:107 Resp: 1211150
 Ion Ratio Lower Upper
 107 100
 144 19.7 14.6 22.0
 142 54.1 43.8 65.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.33 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Tgt Ion:164 Resp: 370719
 Ion Ratio Lower Upper
 164 100
 162 92.7 75.1 112.7
 160 42.1 32.3 48.5

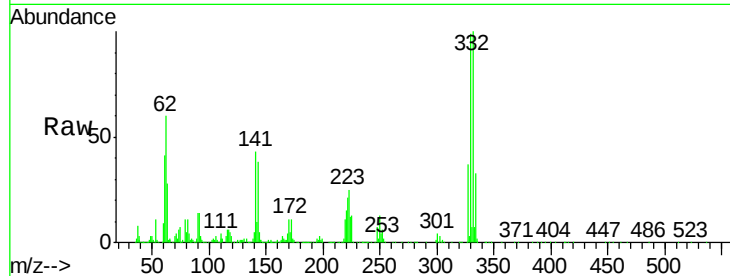




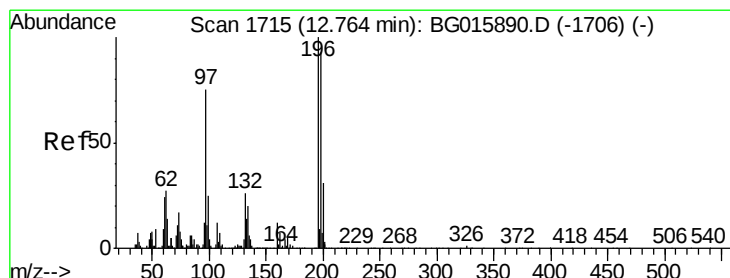
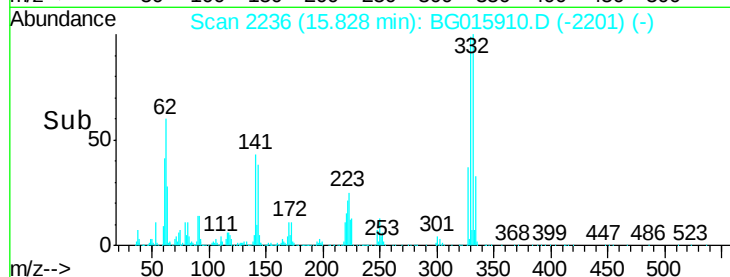
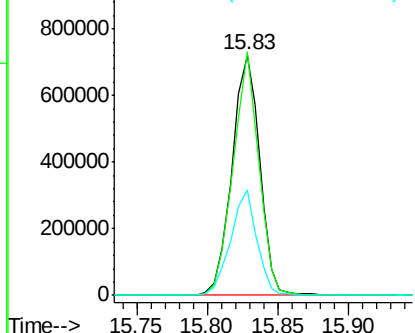
#41
 2,4,6-Tribromophenol
 Concen: 145.52 ng
 RT: 15.83 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Instrument :
 BNA_G
 ClientSampleId :
 8035

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.4	113.0
141	41.4	33.0	49.6

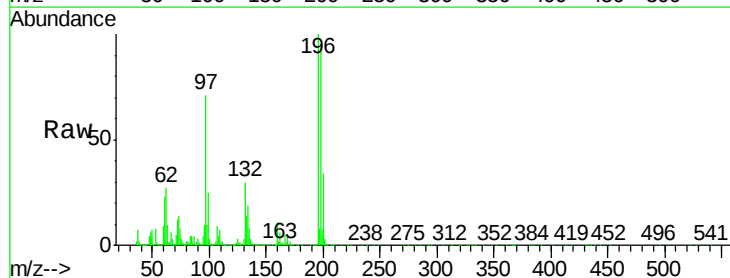


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

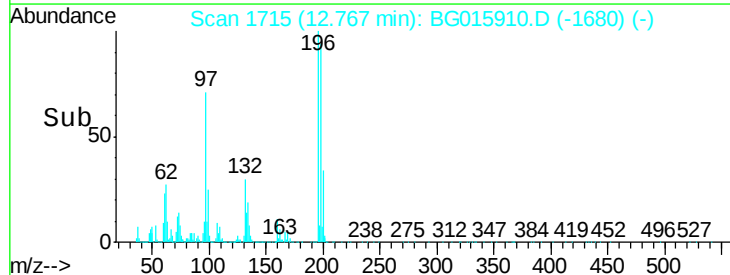
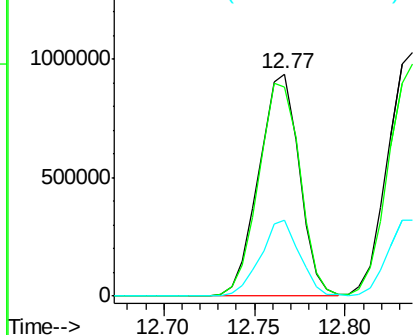


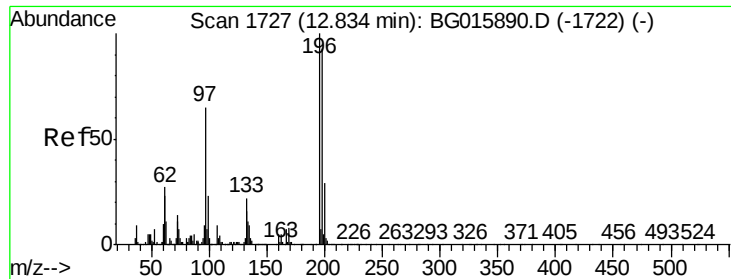
#42
 2,4,6-Trichlorophenol
 Concen: 176.88 ng
 RT: 12.77 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.0	74.1	111.1
200	34.4	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

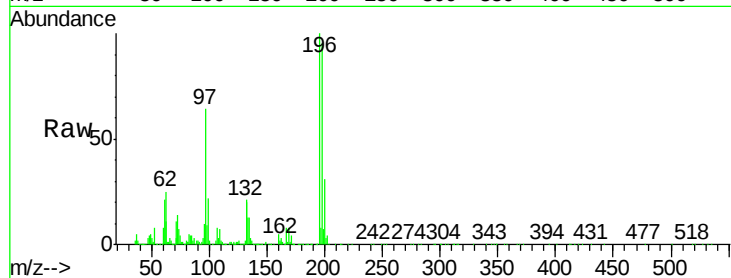




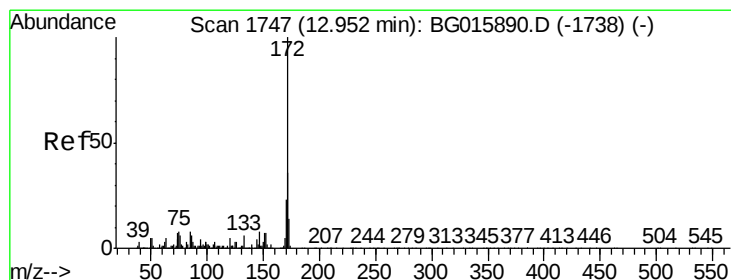
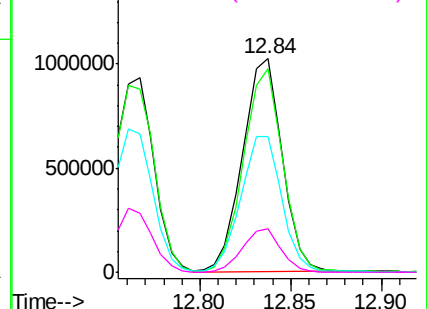
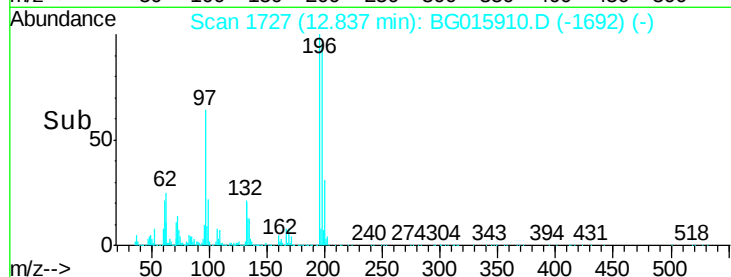
#43
 2,4,5-Trichlorophenol
 Concen: 165.27 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Instrument :
 BNA_G
 ClientSampleId :
 8035

Tgt Ion:196 Resp: 1547230
 Ion Ratio Lower Upper
 196 100
 198 95.5 74.7 112.1
 97 63.7 52.5 78.7
 132 20.6 12.8 19.2#

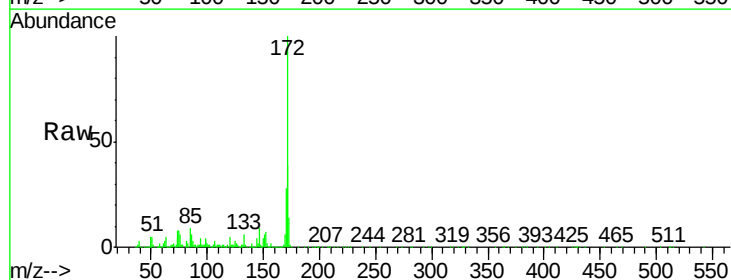


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

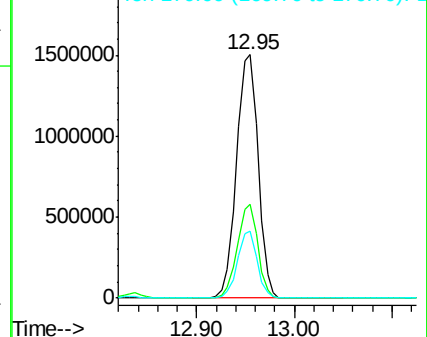
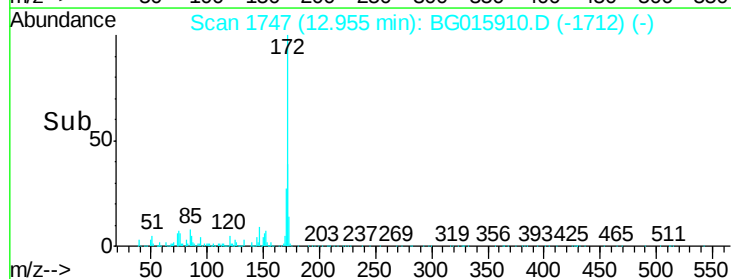


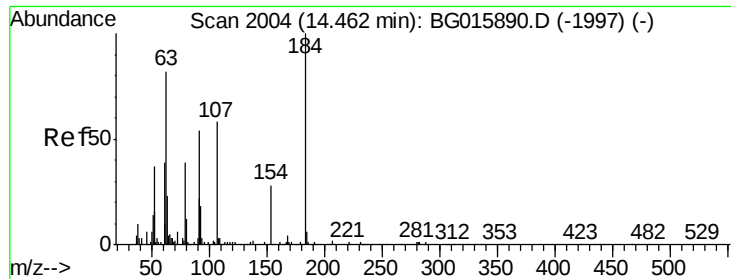
#44
 2-Fluorobiphenyl
 Concen: 97.55 ng
 RT: 12.95 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Tgt Ion:172 Resp: 2304806
 Ion Ratio Lower Upper
 172 100
 171 38.8 29.2 43.8
 170 27.5 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

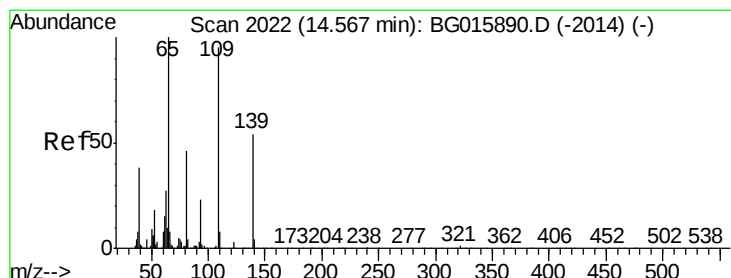
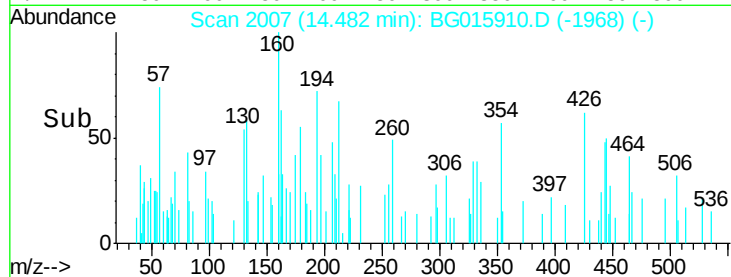
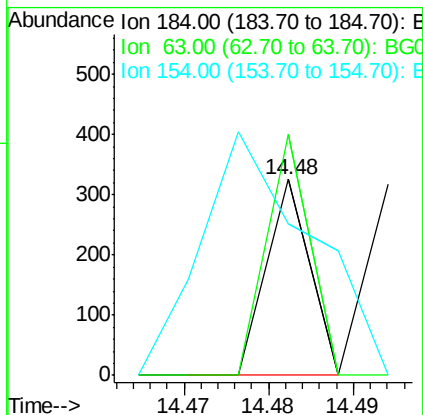
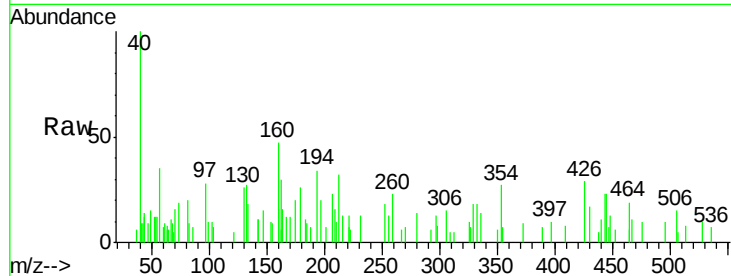




#53
2,4-Dinitrophenol
Concen: 4.53 ng
RT: 14.48 min Scan# 2007
Delta R.T. 0.03 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

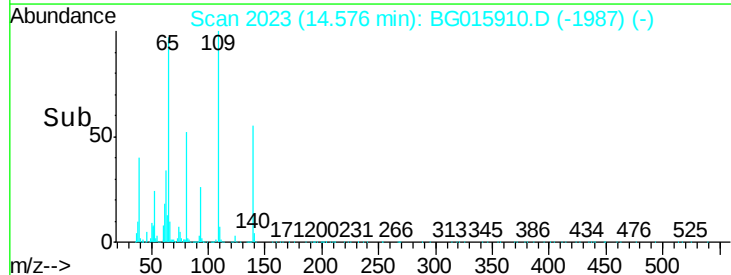
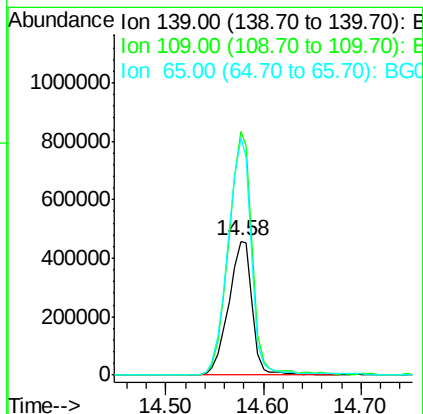
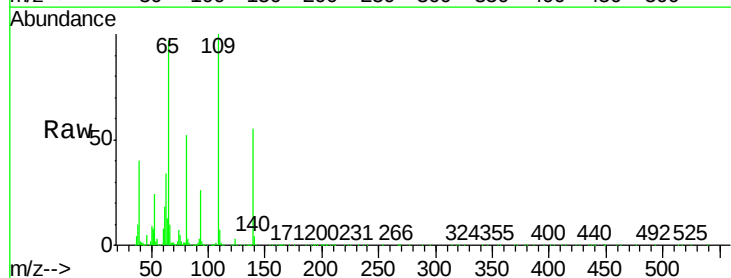
Instrument :
BNA_G
ClientSampleId :
8035

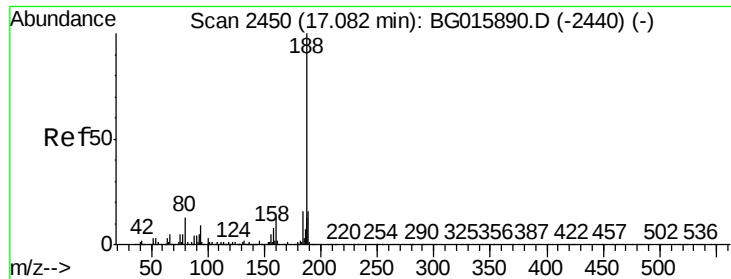
Tgt Ion:184 Resp: 115
Ion Ratio Lower Upper
184 100
63 123.1 68.6 103.0#
154 77.2 54.9 82.3



#55
4-Nitrophenol
Concen: 196.05 ng
RT: 14.58 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Tgt Ion:139 Resp: 764268
Ion Ratio Lower Upper
139 100
109 181.8 156.3 196.3
65 176.9 166.3 206.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Instrument :

BNA_G

ClientSampleId :

8035

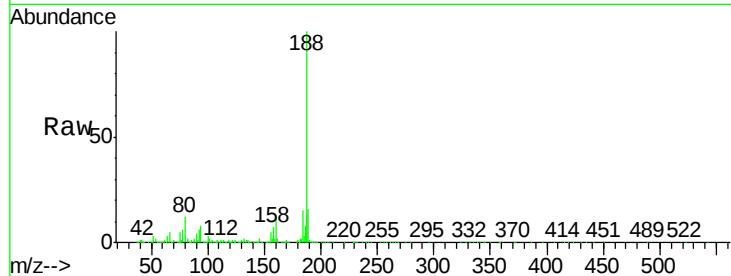
Tgt Ion:188 Resp: 900861

Ion Ratio Lower Upper

188 100

94 8.3 7.8 11.8

80 11.7 10.6 16.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

800000

600000

400000

200000

0

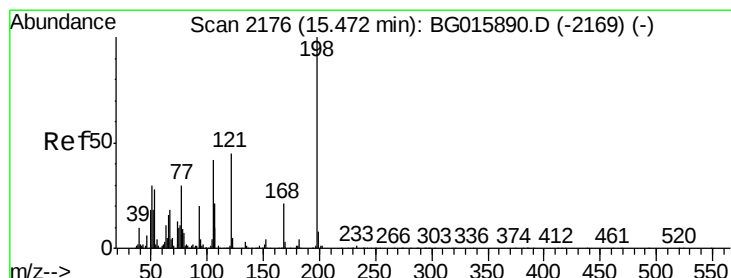
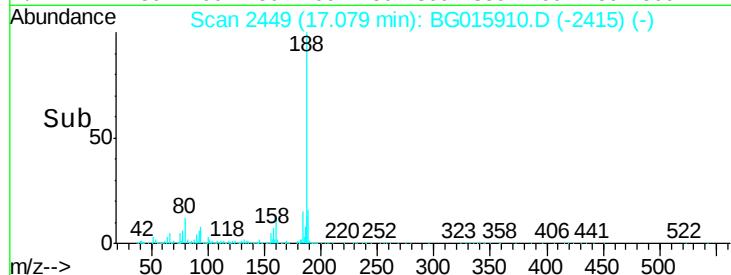
17.08

17.05

17.10

17.15

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 120.53 ng

RT: 15.47 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

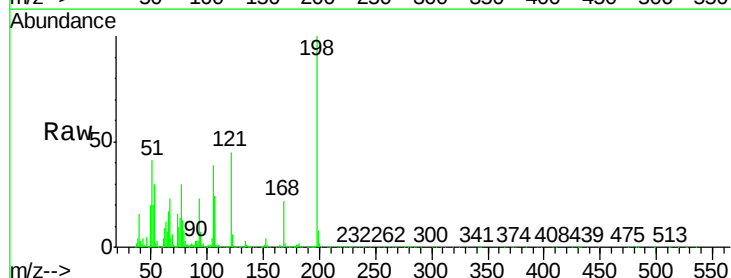
Tgt Ion:198 Resp: 783485

Ion Ratio Lower Upper

198 100

51 40.6 12.3 52.3

105 39.5 22.3 62.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

600000

400000

200000

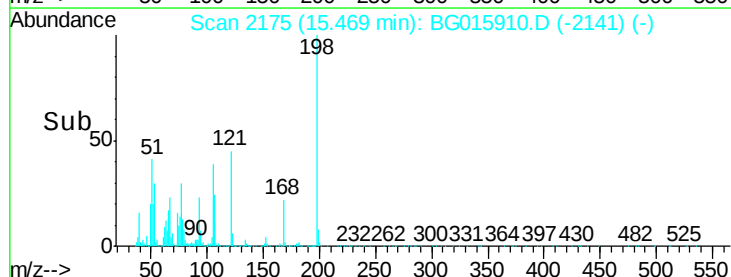
0

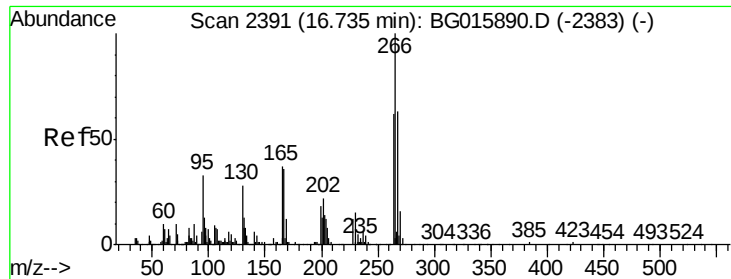
15.47

15.40

15.50

Time-->

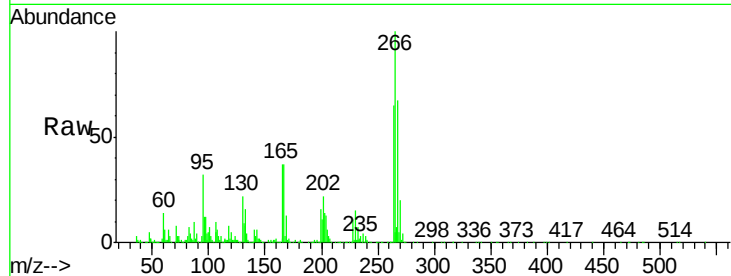




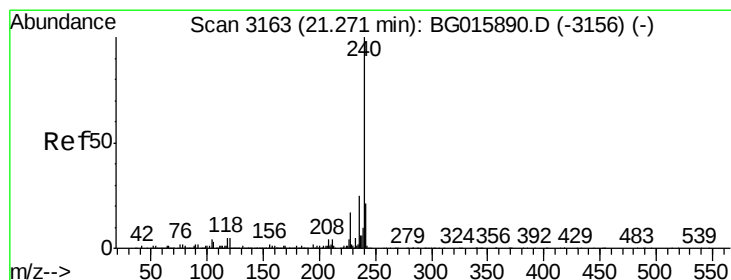
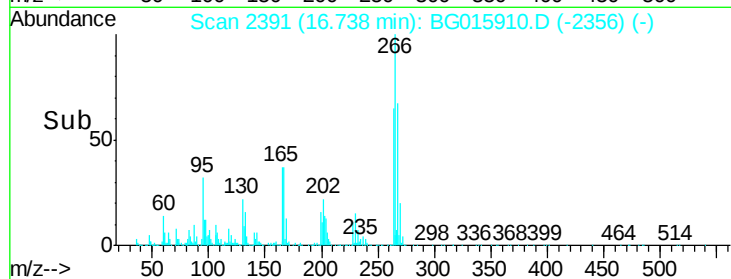
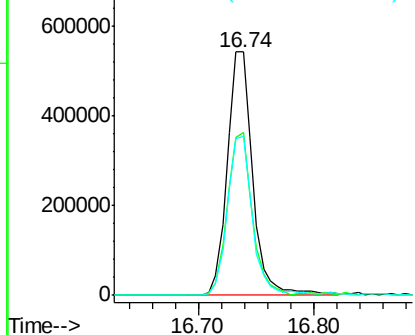
#69
 Pentachlorophenol
 Concen: 97.20 ng
 RT: 16.74 min Scan# 2391
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Instrument :
 BNA_G
 ClientSampleId :
 8035

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.8	53.5	80.3
264	65.2	51.9	77.9

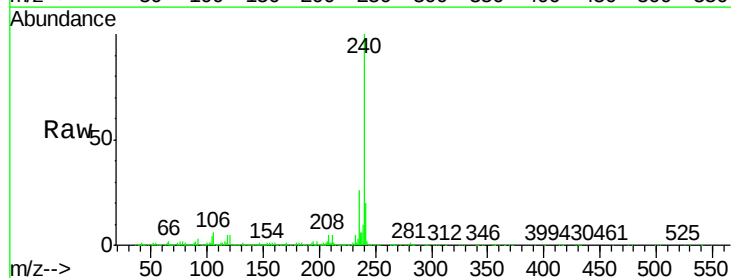


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

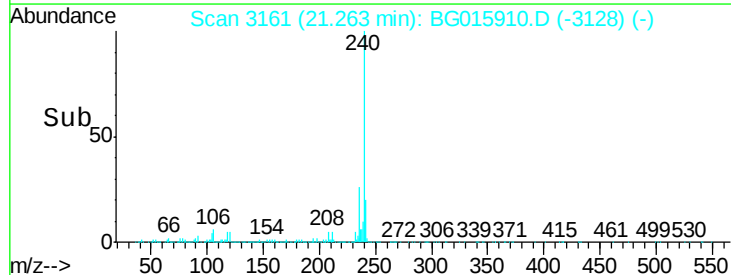
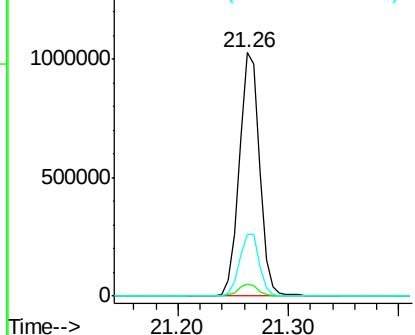


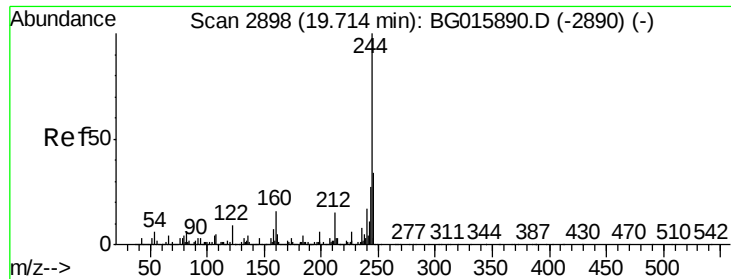
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.26 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	3.9	5.9
236	25.5	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





#78

Terphenyl-d14

Concen: 88.18 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Instrument :

BNA_G

ClientSampleId :

8035

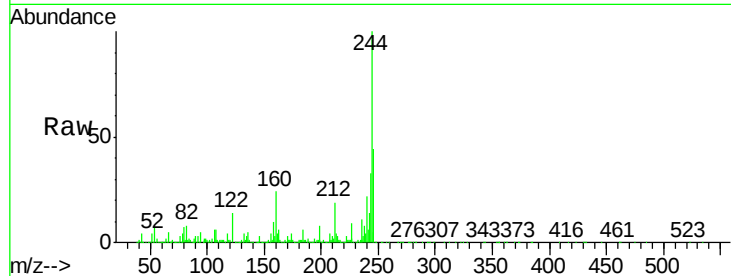
Tgt Ion:244 Resp: 4076889

Ion Ratio Lower Upper

244 100

212 18.5 11.6 17.4#

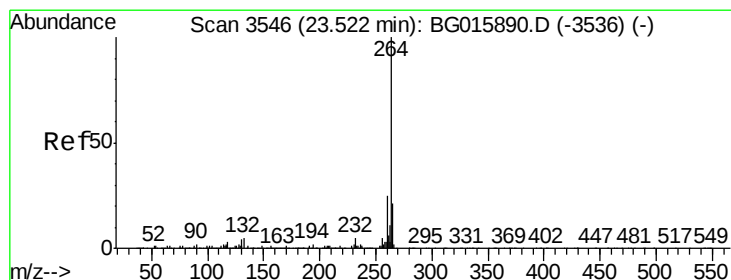
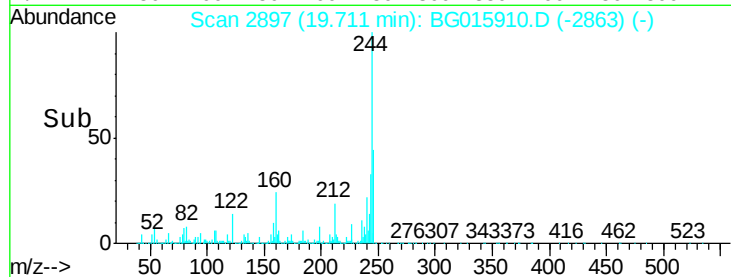
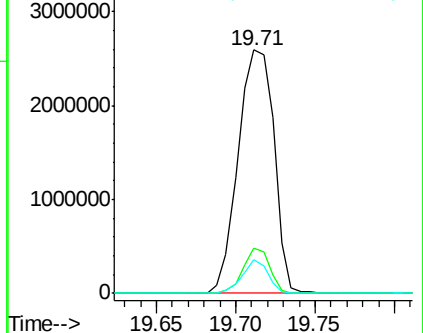
122 14.1 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.52 min Scan# 3545

Delta R.T. -0.01 min

Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

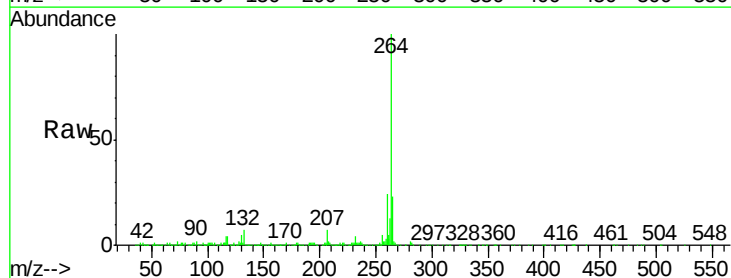
Tgt Ion:264 Resp: 1200078

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 22.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

