

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 01:16:19 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

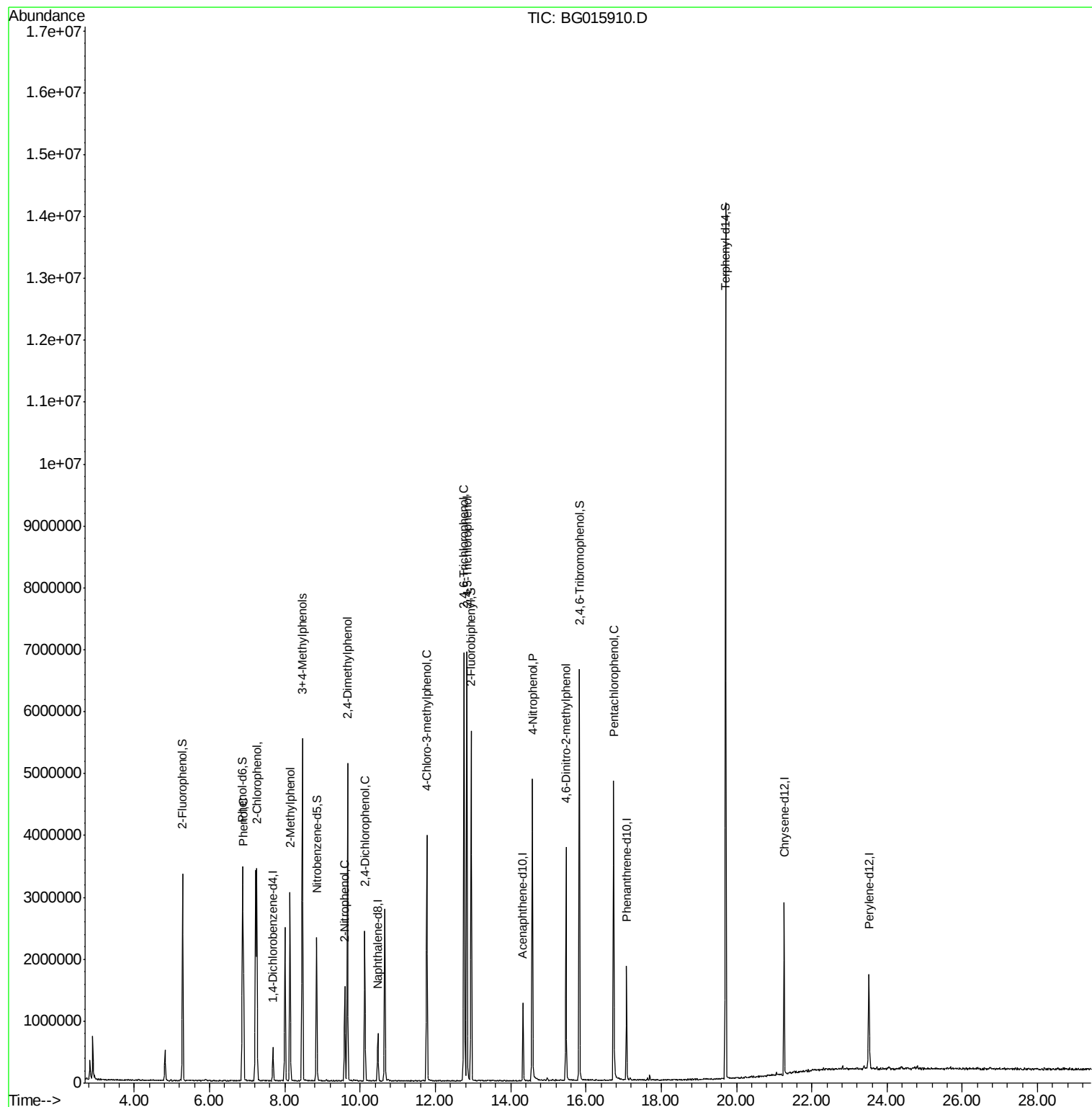
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	101360	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	435769	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	370719	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	900861	20.00	ng	0.00
75) Chrysene-d12	21.26	240	1333311	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
10) Phenol	6.90	94	1359310	108.73	ng	92
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
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
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

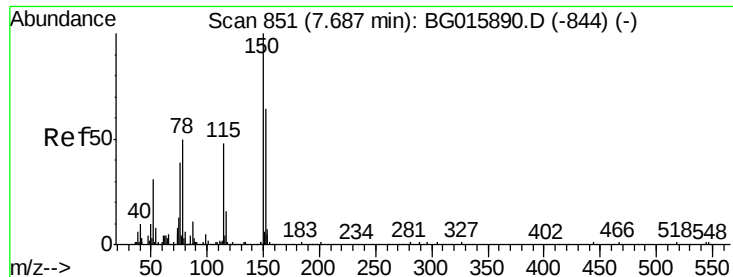
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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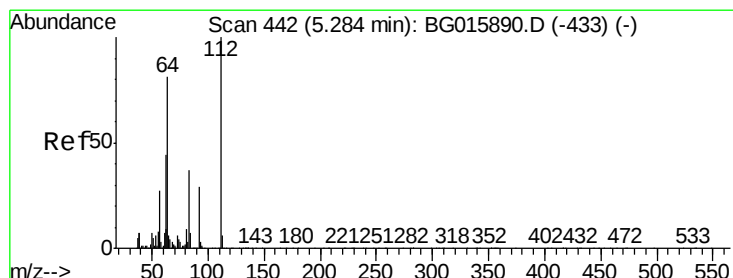
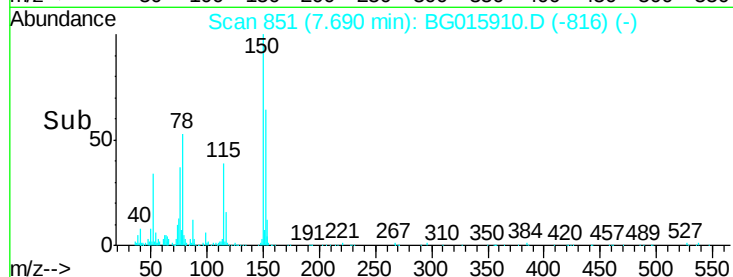
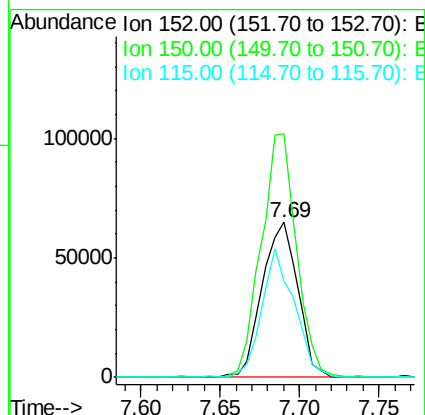
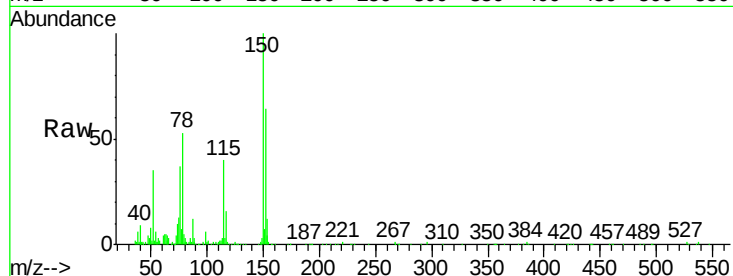


#1

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

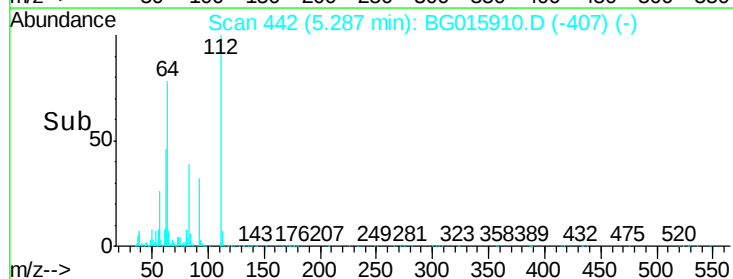
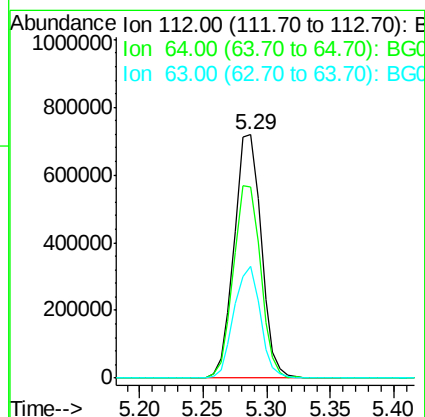
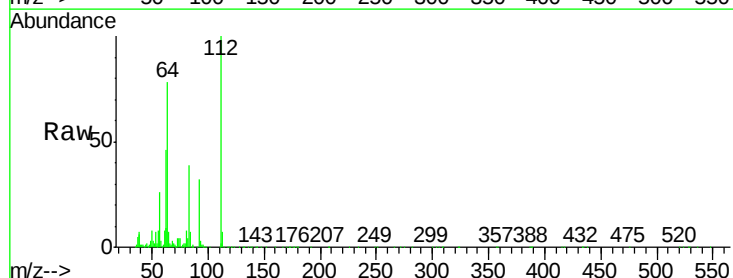
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.5	186.7
115	62.2	60.4	90.6

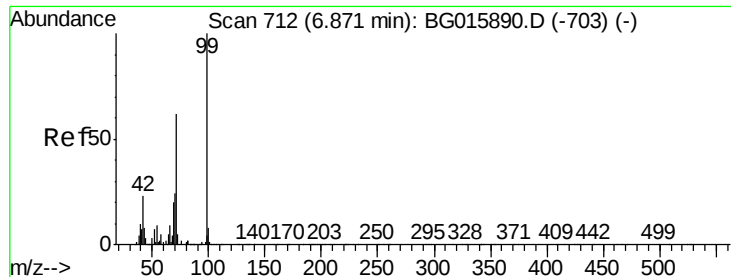


#5

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





#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

ClientSampled :

8035

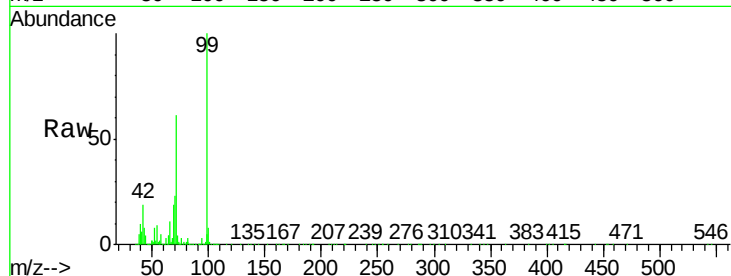
Tot Ion: 99 Resp: 1700552

Ion Ratio Lower Upper

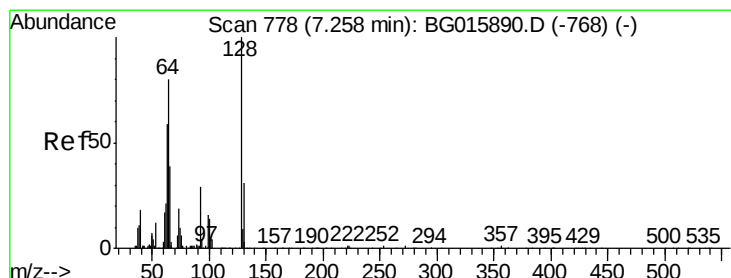
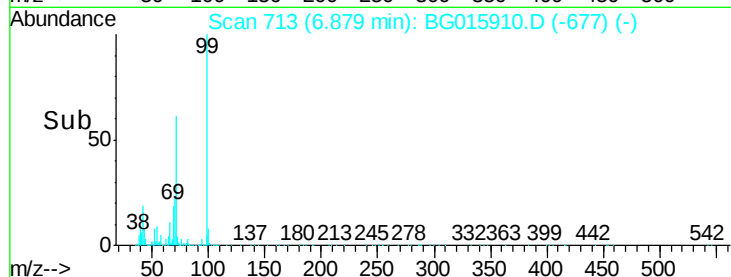
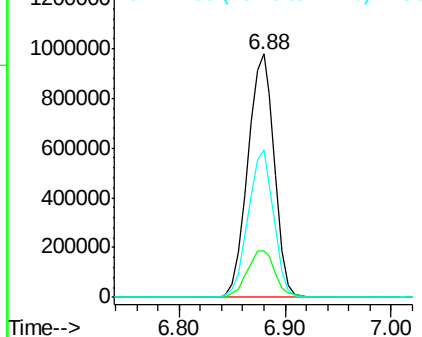
99 100

42 19.4 18.1 27.1

71 60.7 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: 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

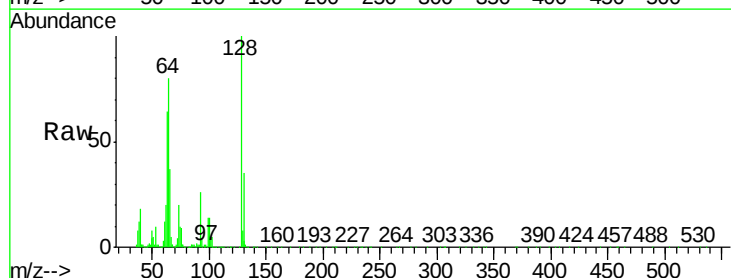
Tgt Ion: 128 Resp: 913382

Ion Ratio Lower Upper

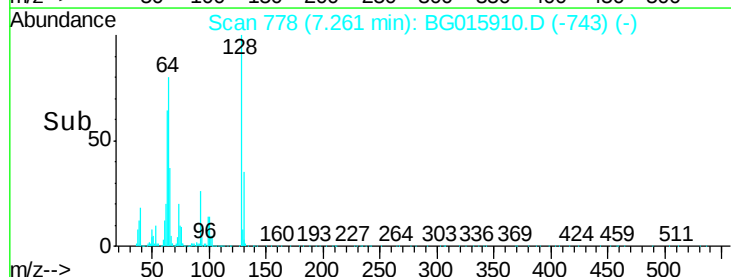
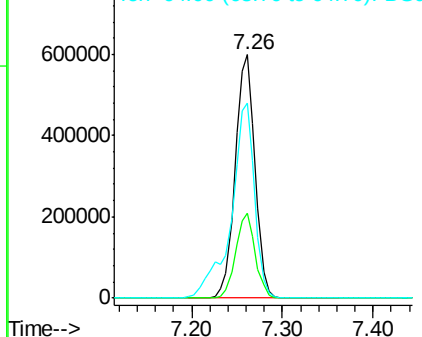
128 100

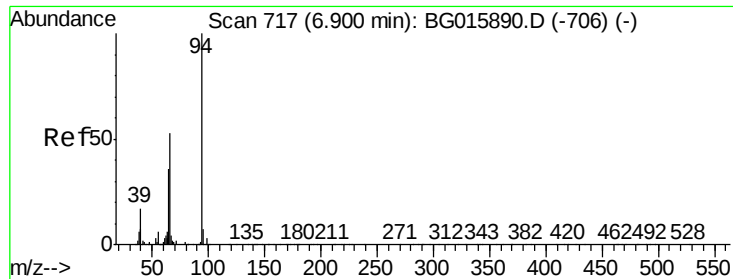
130 34.9 11.0 51.0

64 79.8 60.7 100.7



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





#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

Instrument :

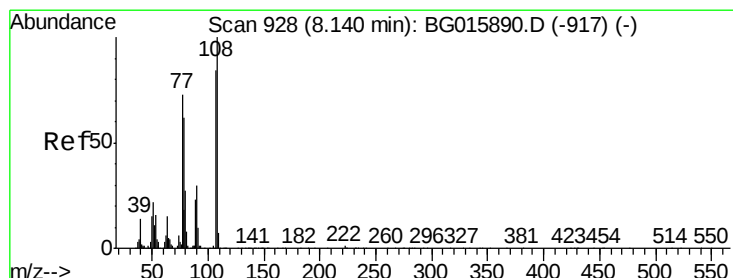
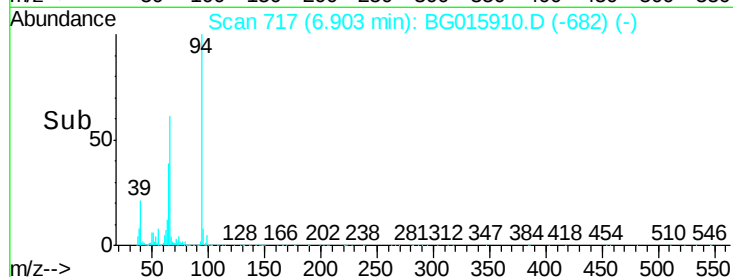
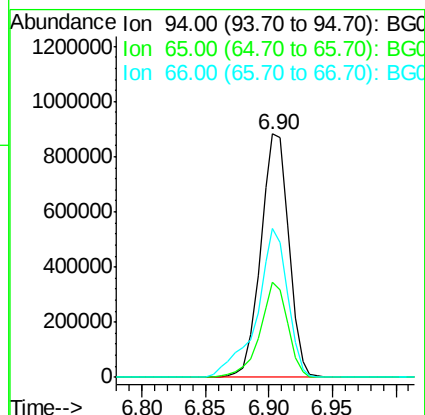
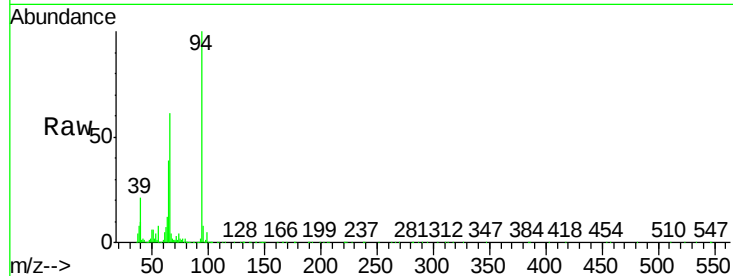
BNA_G

ClientSampled :

8035

Tot Ion: 94 Resp: 1359310

Ion	Ratio	Lower	Upper
94	100		
65	38.9	16.5	56.5
66	61.1	33.3	73.3



#17

2-Methylphenol

Concen: 92.95 ng

RT: 8.14 min Scan# 927

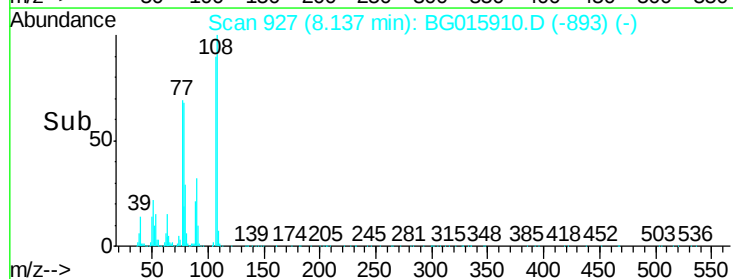
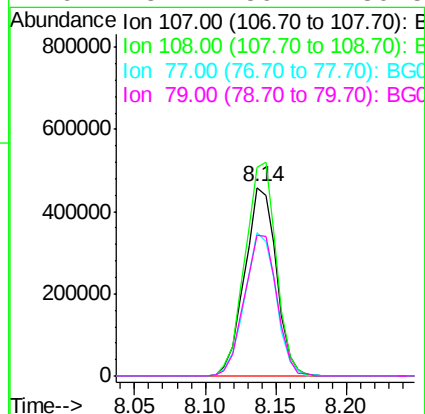
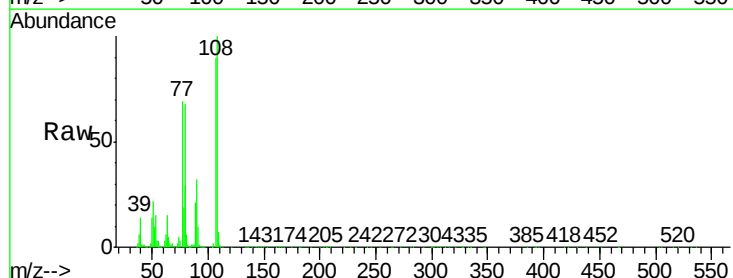
Delta R.T. -0.00 min

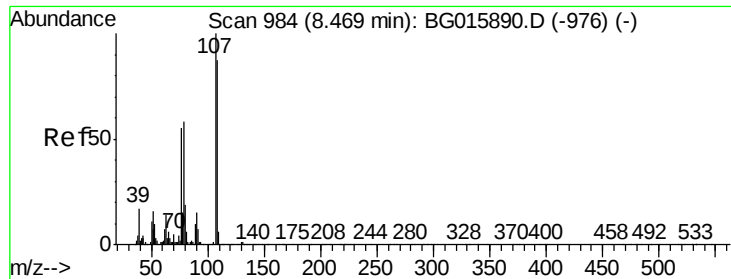
Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Tgt Ion: 107 Resp: 719955

Ion	Ratio	Lower	Upper
107	100		
108	110.5	95.1	142.7
77	76.4	69.2	103.8
79	75.1	59.7	89.5

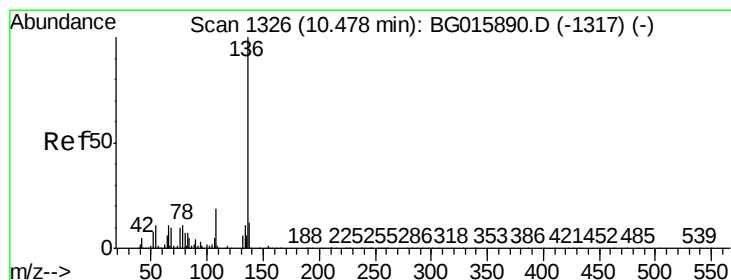
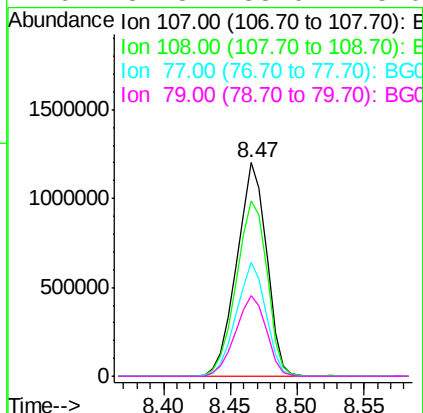
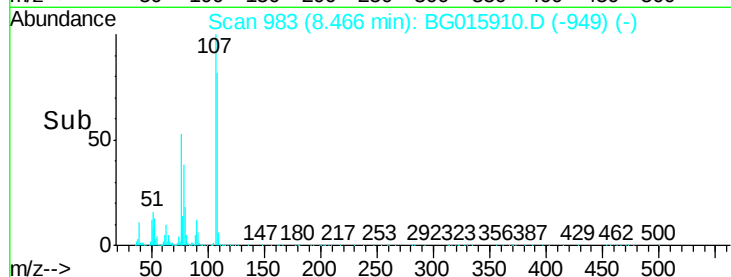
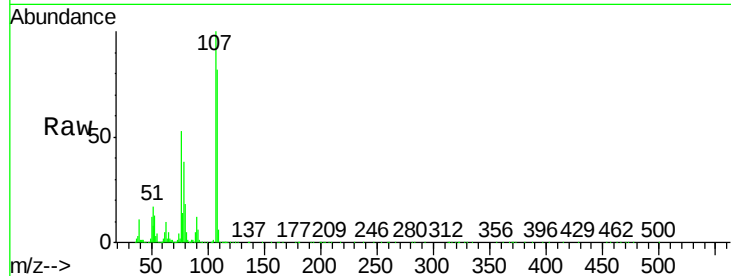




#20
3+4-Methylphenols
Concen: 183.59 ng
RT: 8.47 min Scan# 983
Delta R.T. -0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

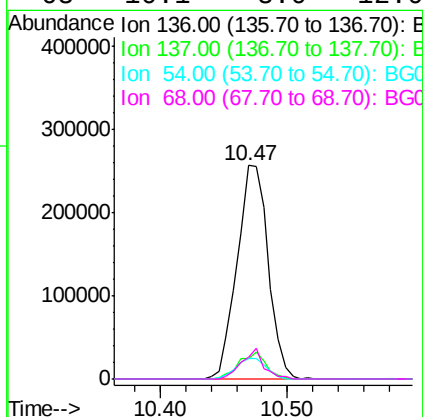
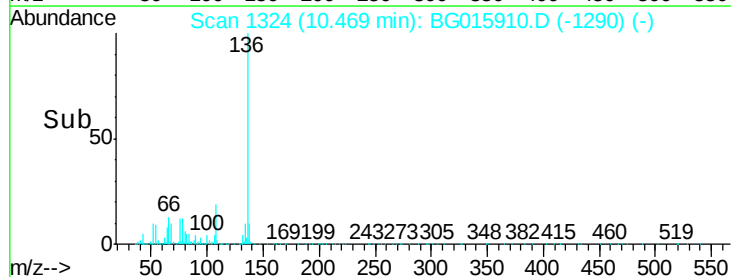
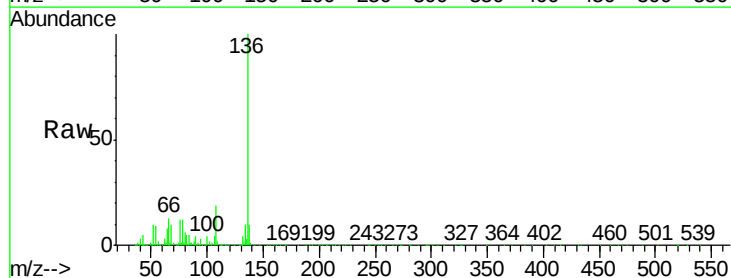
Instrument :
BNA_G
ClientSampleId :
8035

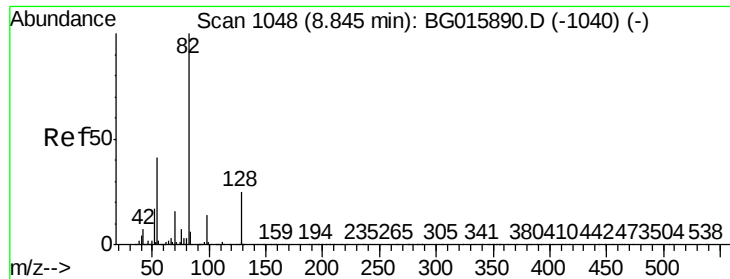
Tot Ion:107 Resp: 1864009
Ion Ratio Lower Upper
107 100
108 81.9 66.9 106.9
77 53.3 34.8 74.8
79 37.8 38.0 78.0#



#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

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

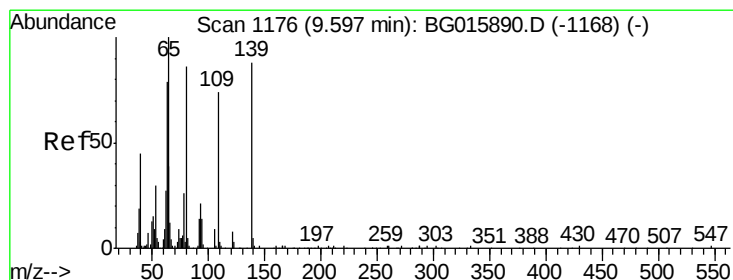
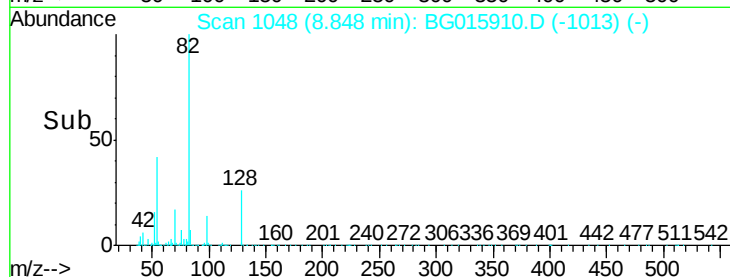
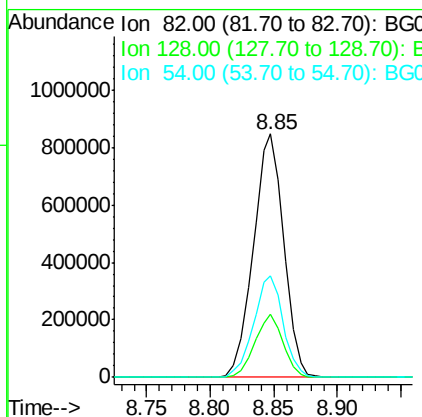
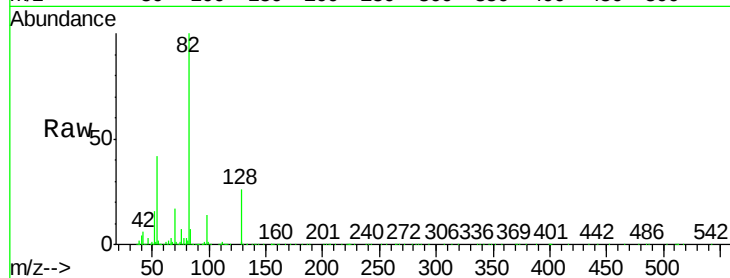




#23
Nitrobenzene-d5
Concen: 93.19 ng
RT: 8.85 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

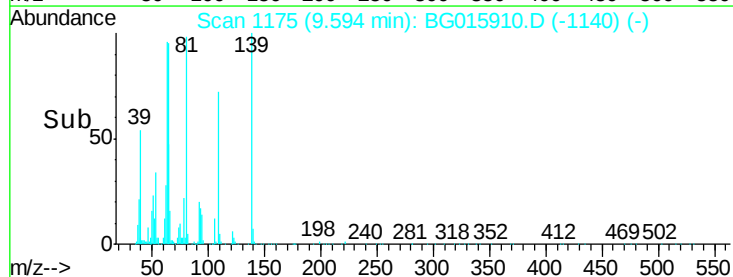
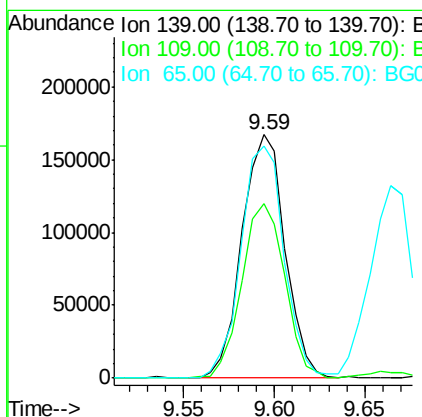
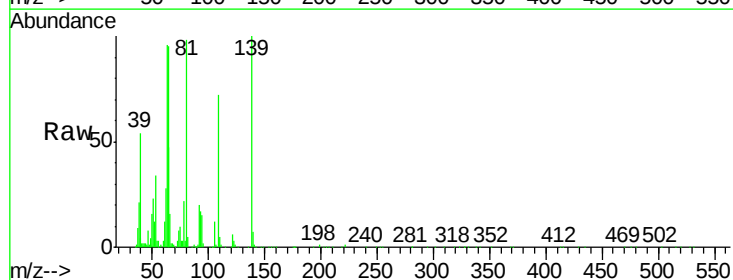
Instrument :
BNA_G
ClientSampleId :
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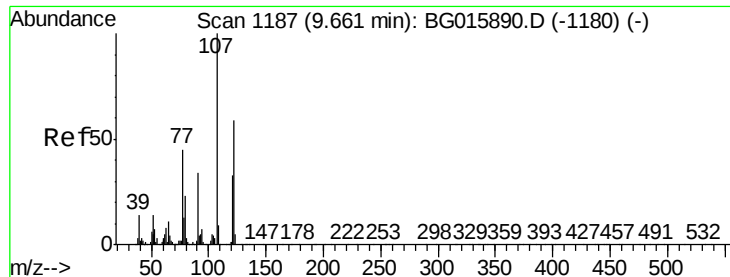
Tot Ion: 82 Resp: 1408754
Ion Ratio Lower Upper
82 100
128 26.0 19.8 29.8
54 41.6 33.0 49.4



#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

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

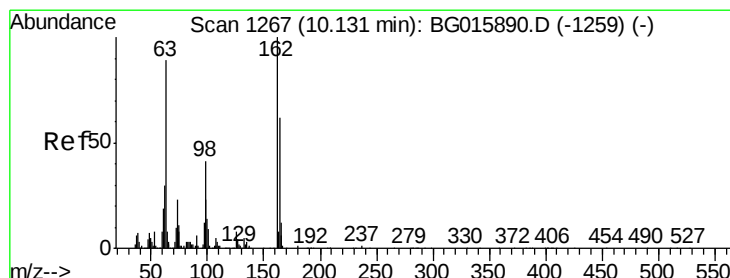
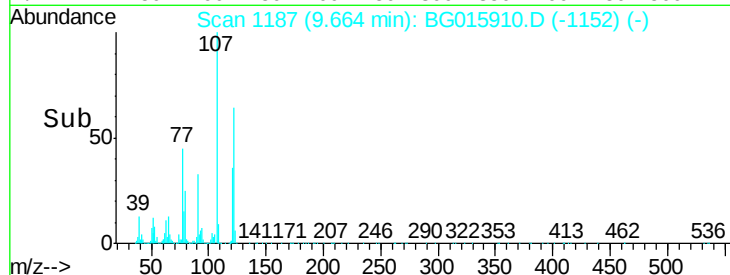
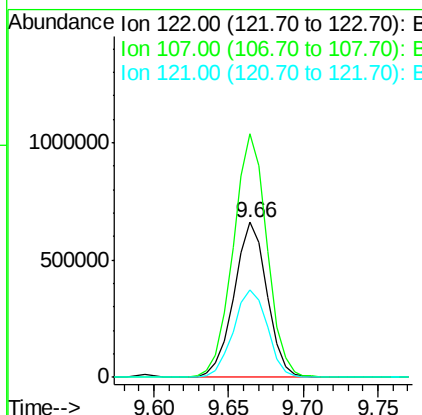
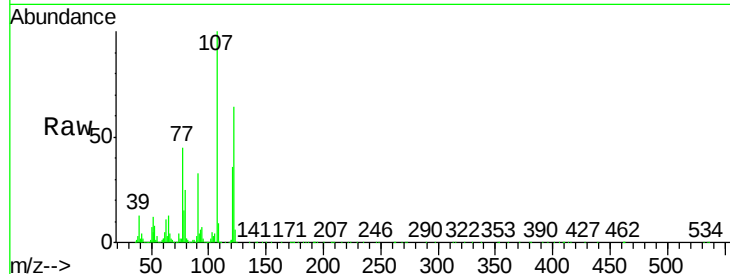
Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Instrument :
BNA_G
ClientSampled :
8035

Tot 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

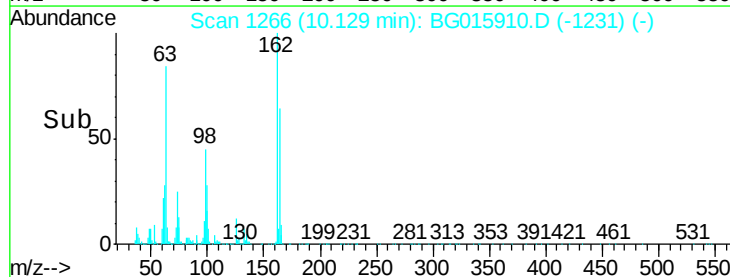
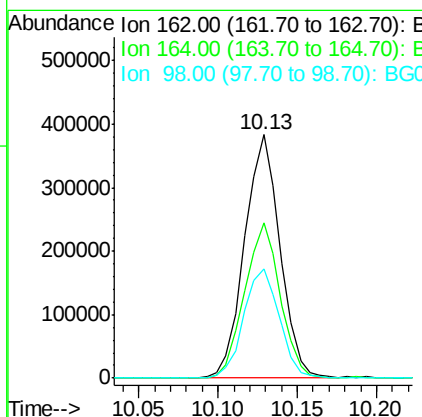
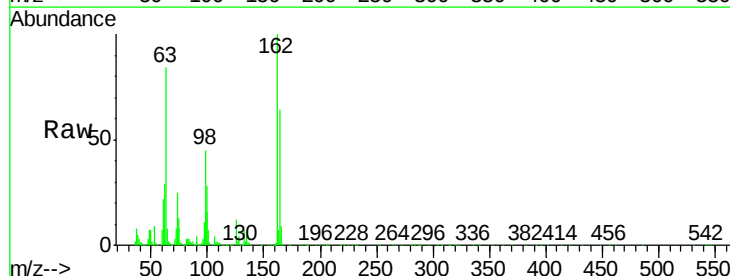
Delta R.T. 0.00 min

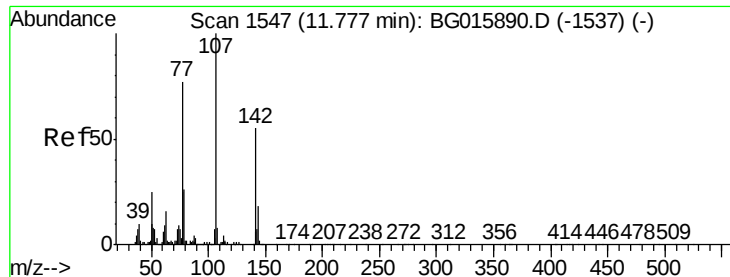
Lab File: BG015910.D

Acq: 21 Jan 2015 19:51

Tgt Ion:162 Resp: 594002

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

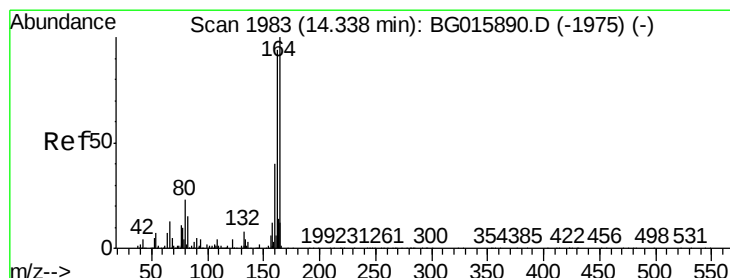
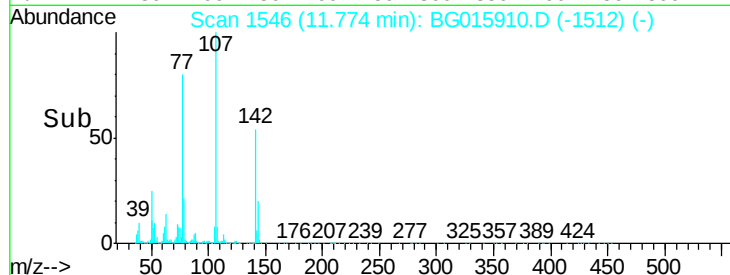
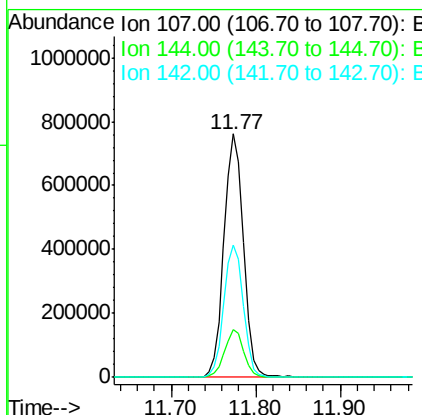
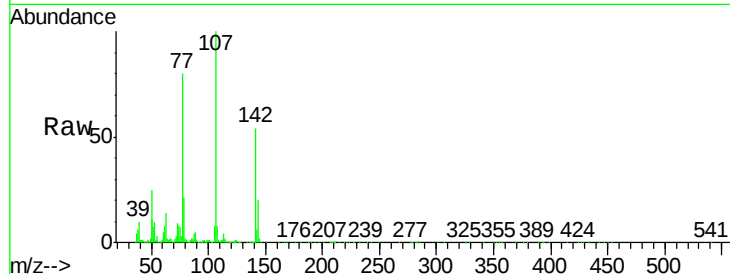




#36
 4-Chloro-3-methylphenol
 Concen: 104.65 ng
 RT: 11.77 min Scan# 1546
 Delta R.T. -0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

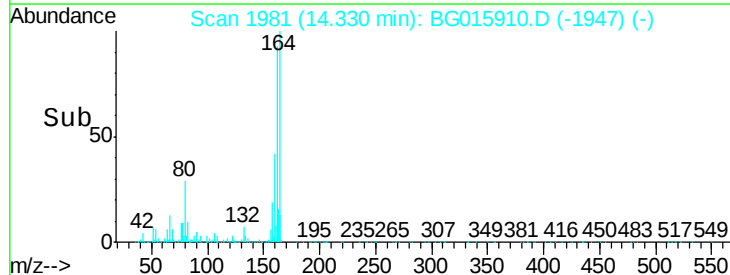
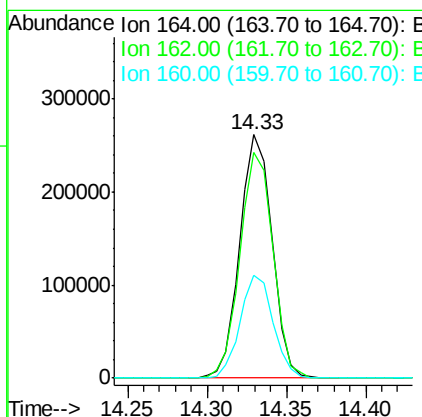
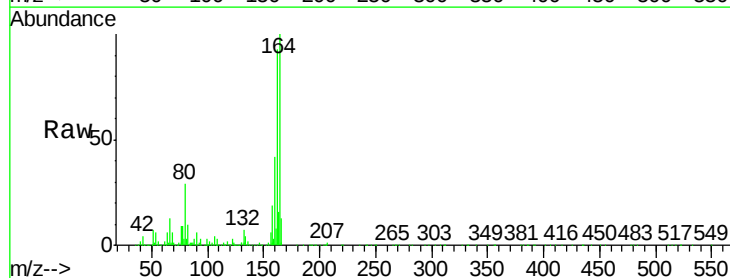
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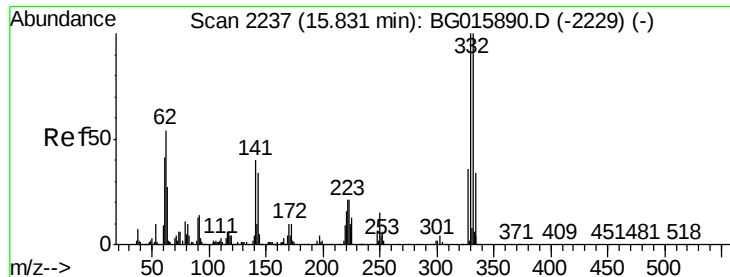
Tot Ion:107 Resp: 1211150
 Ion Ratio Lower Upper
 107 100
 144 19.7 14.6 22.0
 142 54.1 43.8 65.6



#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

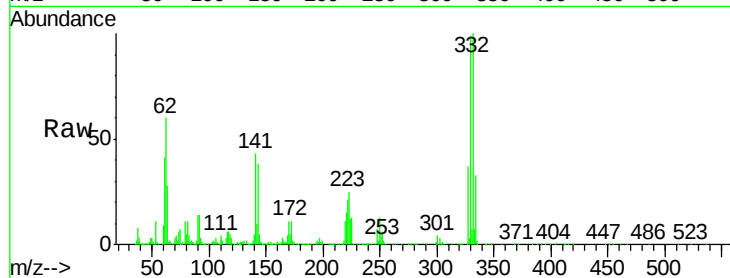




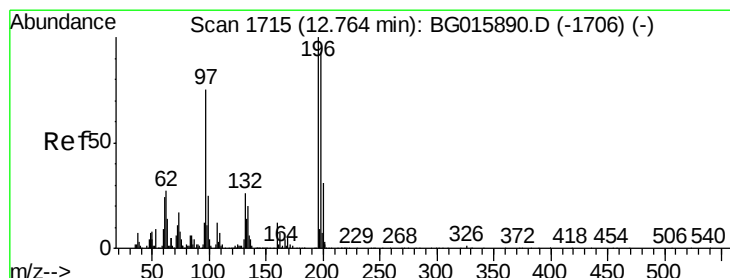
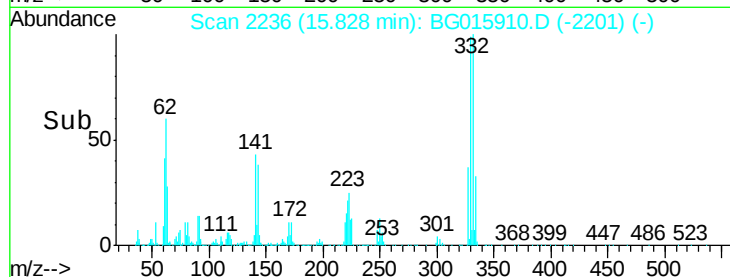
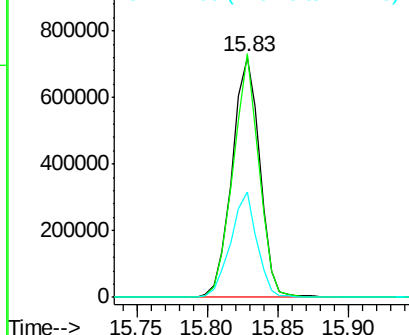
#41
 2,4,6-Tribromophenol
 Concen: 145.52 ng
 RT: 15.83 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

Instrument :
 BNA_G
 ClientSampled :
 8035

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

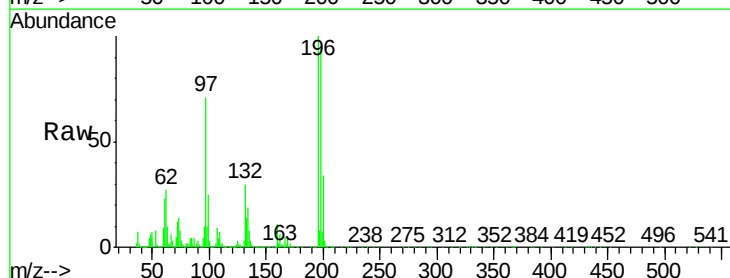


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

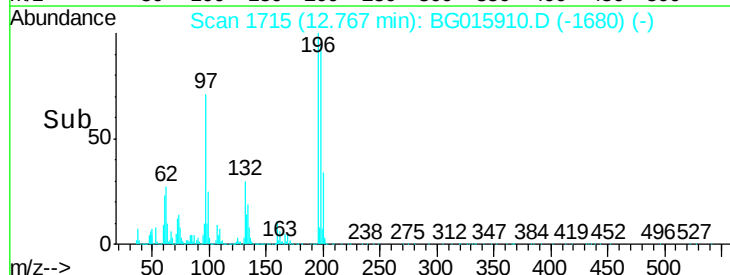
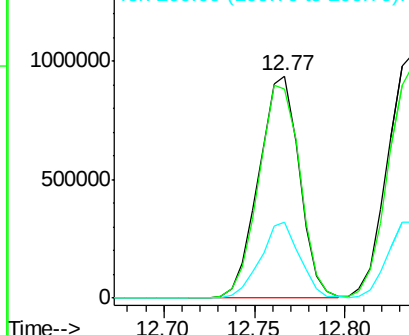


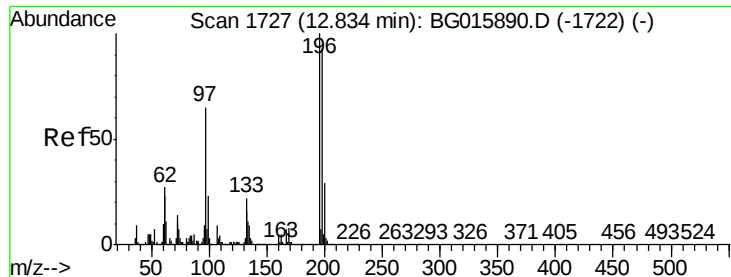
#42
 2,4,6-Trichlorophenol
 Concen: 176.88 ng
 RT: 12.77 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG015910.D
 Acq: 21 Jan 2015 19:51

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

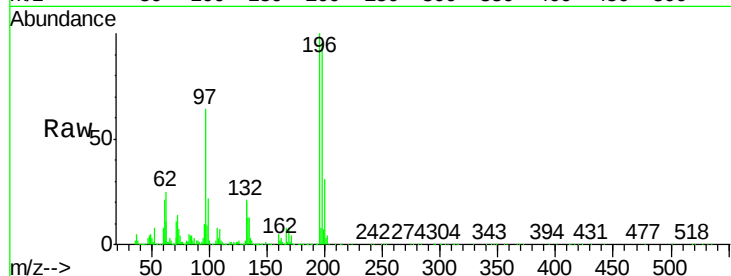




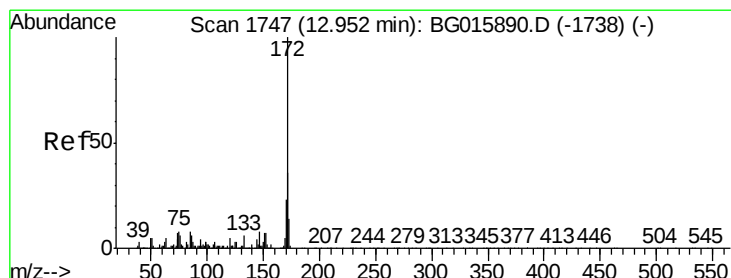
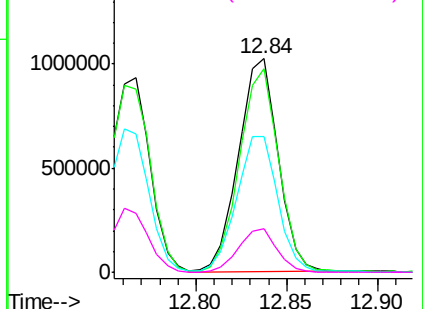
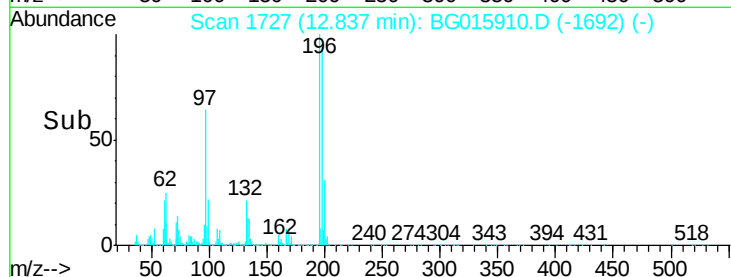
#43
2,4,5-Trichlorophenol
Concen: 165.27 ng
RT: 12.84 min Scan# 1727
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Instrument :
BNA_G
ClientSampleId :
8035

Tot 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#

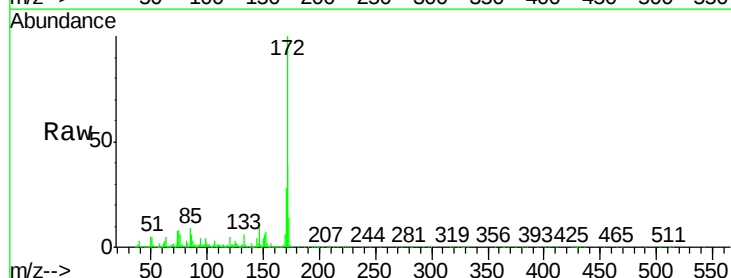


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

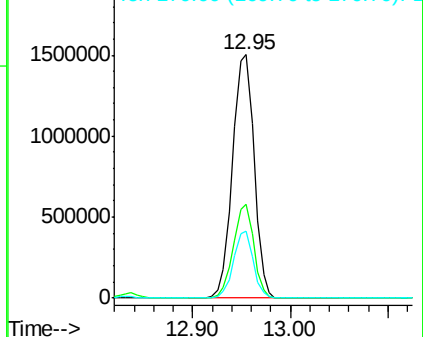
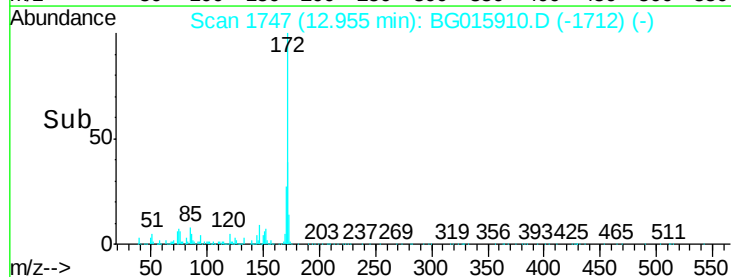


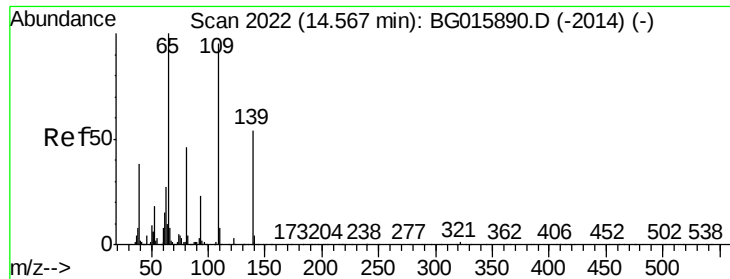
#44
2-Fluorobiphenyl
Concen: 97.55 ng
RT: 12.95 min Scan# 1747
Delta R.T. 0.00 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

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

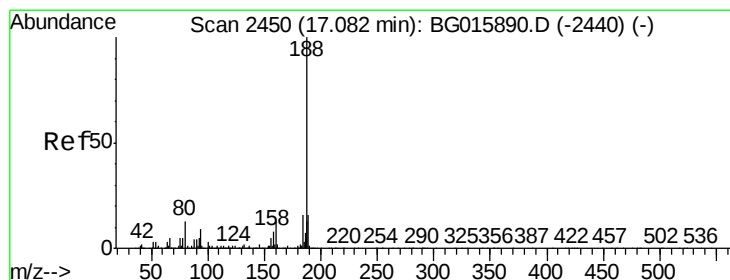
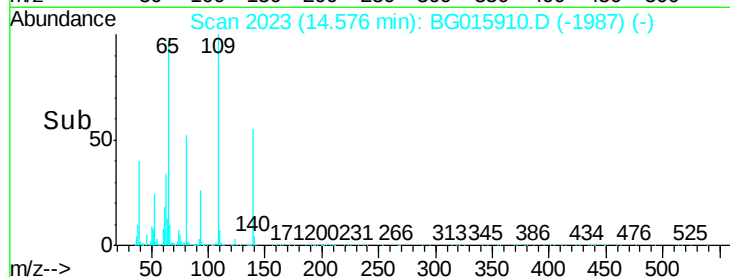
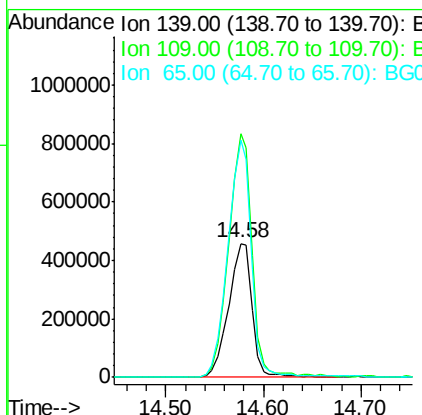
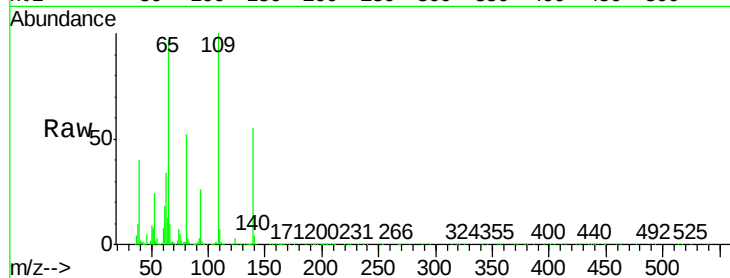




#55
4-Nitrophenol
Concen: 196.05 ng
RT: 14.58 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

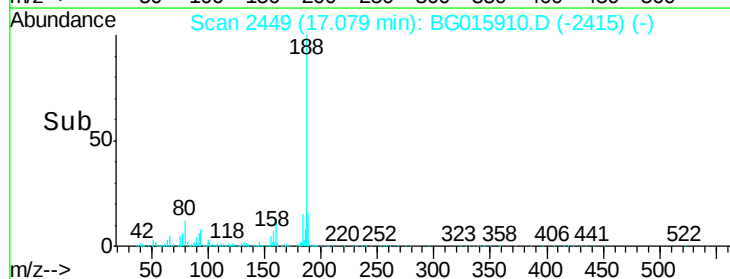
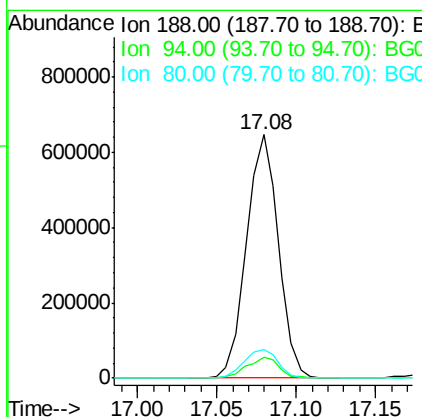
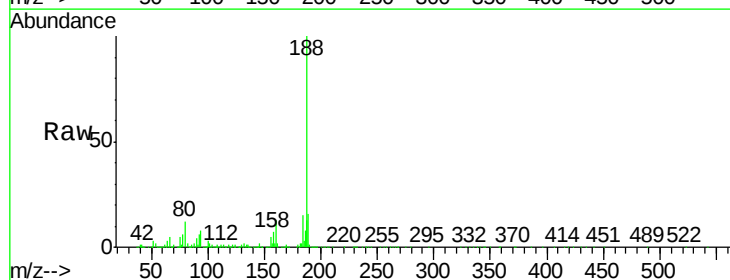
Instrument :
BNA_G
ClientSampled :
8035

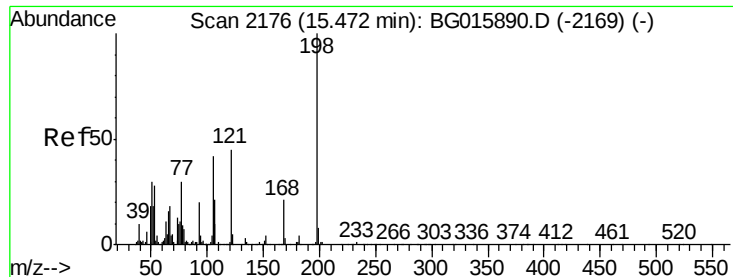
Tot Ion:139 Resp: 764268
Ion Ratio Lower Upper
139 100
109 181.8 156.3 196.3
65 176.9 166.3 206.3



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

8035

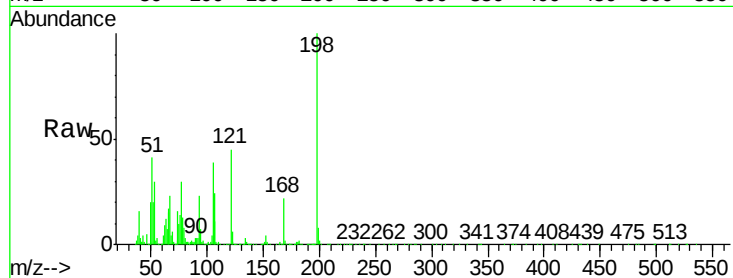
Tot Ion:198 Resp: 783485

Ion Ratio Lower Upper

198 100

51 40.6 12.3 52.3

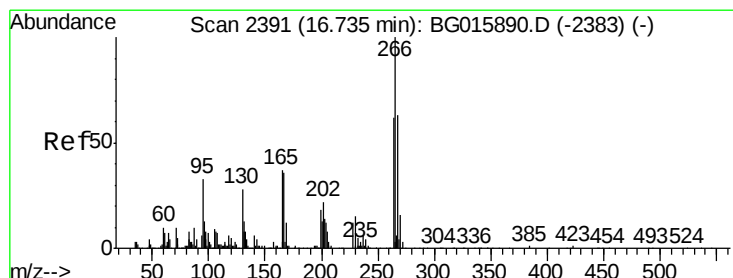
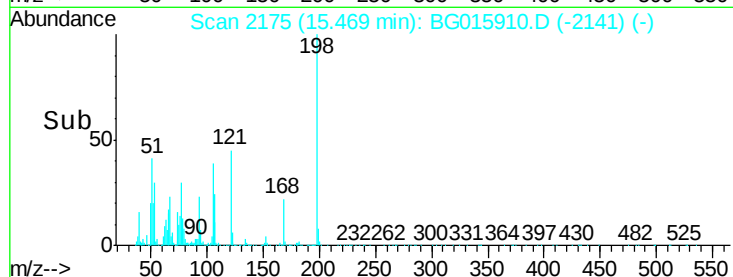
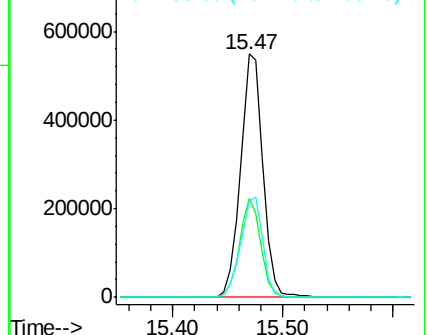
105 39.5 22.3 62.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG015910.D (-2141) (-)

Ion 105.00 (104.70 to 105.70): E



#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

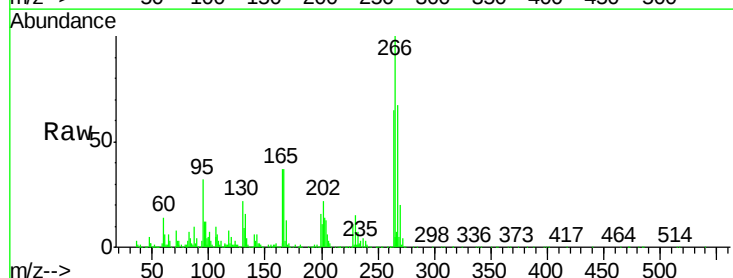
Tgt Ion:266 Resp: 829602

Ion Ratio Lower Upper

266 100

268 66.8 53.5 80.3

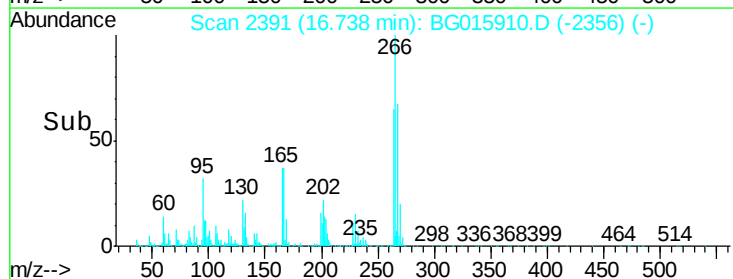
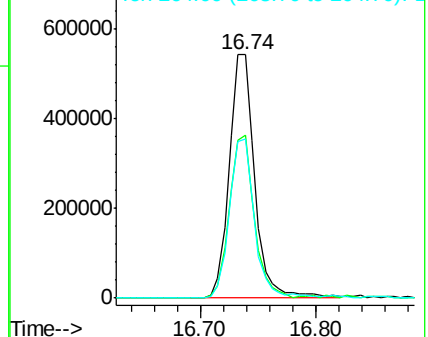
264 65.2 51.9 77.9

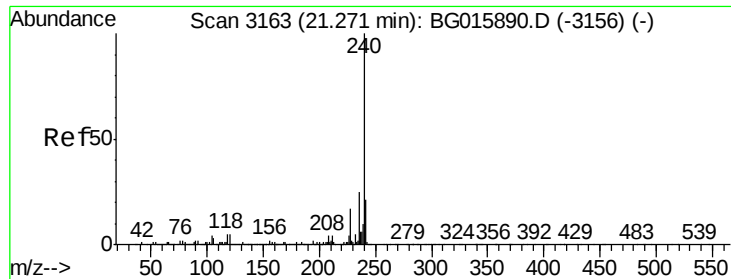


Abundance Ion 265.70 (265.40 to 266.40): E

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

Instrument :

BNA_G

ClientSampleId :

8035

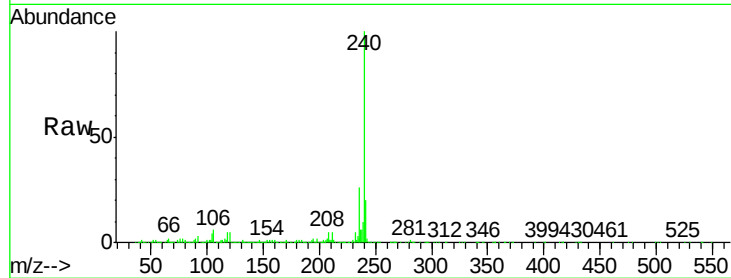
Tot Ion:240 Resp: 1333311

Ion Ratio Lower Upper

240 100

120 5.2 3.9 5.9

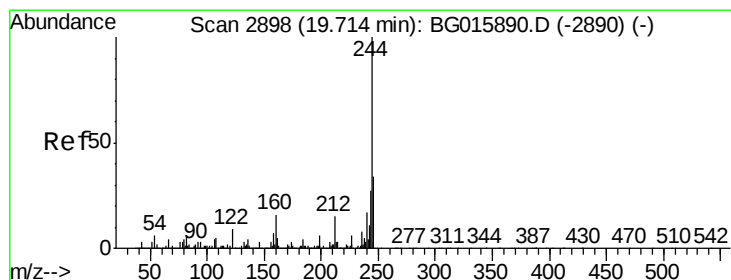
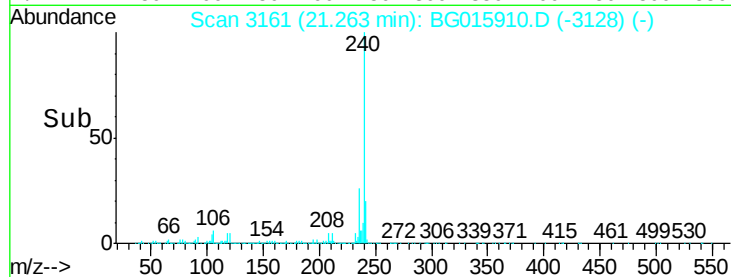
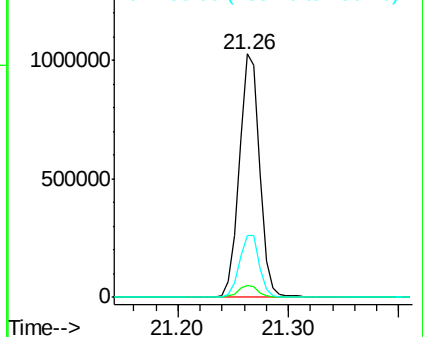
236 25.5 20.0 30.0



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

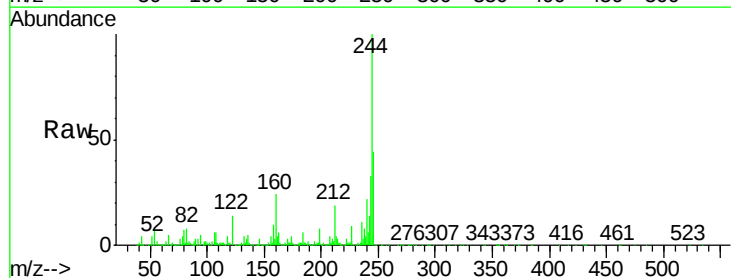
Tgt Ion:244 Resp: 4076889

Ion Ratio Lower Upper

244 100

212 18.5 11.6 17.4#

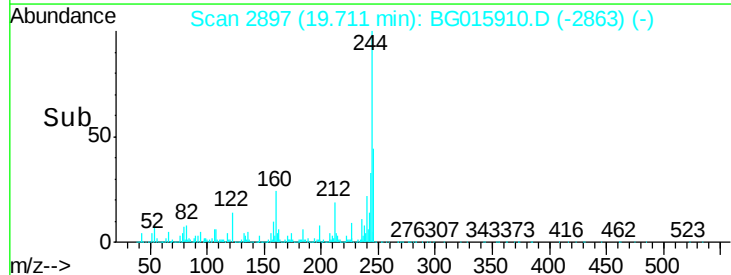
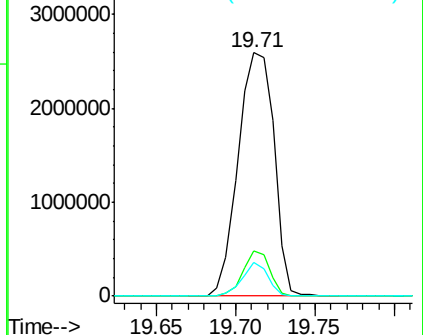
122 14.1 7.0 10.4#

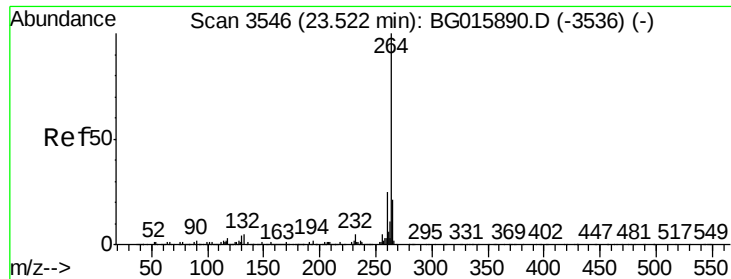


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



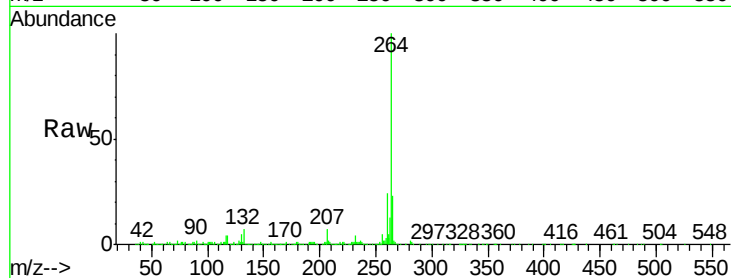


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.52 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BG015910.D
Acq: 21 Jan 2015 19:51

Instrument :
BNA_G
ClientSampleId :
8035

Tot 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

