

Data Path : Z:\HPCHEM1\BNA G\DATA\BG013017\
 Data File : BG025710.D
 Acq On : 30 Jan 2017 18:33
 Operator : SJ/MA
 Sample : I1305-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0035

Quant Time: Jan 31 00:31:07 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 18:29:38 2017
 Response via : Initial Calibration

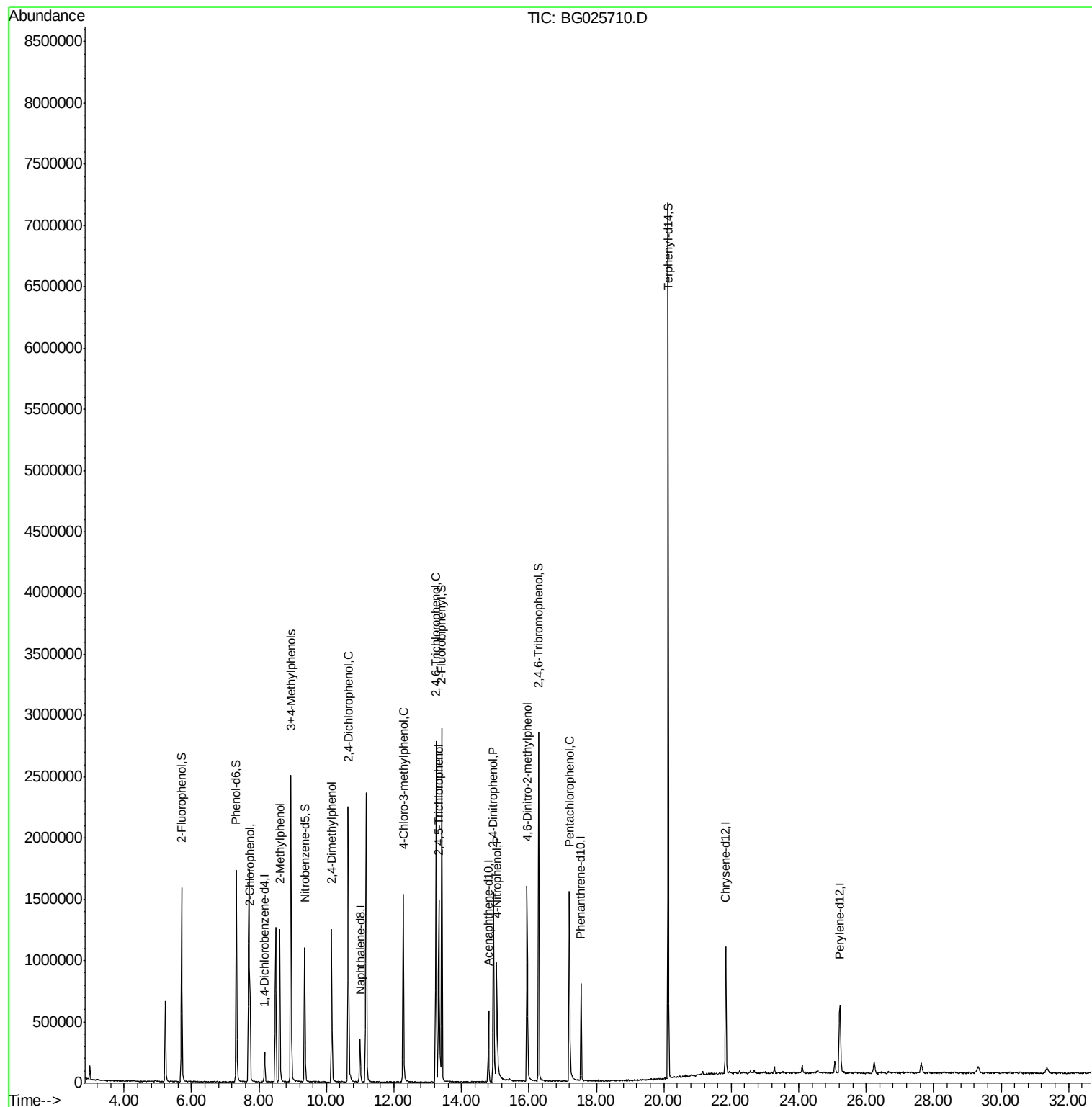
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	63653	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	267455	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	212379	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	502121	20.00	ng	0.00
75) Chrysene-d12	21.83	240	740714	20.00	ng	0.00
86) Perylene-d12	25.22	264	701266	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	627759	176.75	ng	0.00
7) Phenol-d6	7.33	99	924322	178.19	ng	0.00
23) Nitrobenzene-d5	9.36	82	701952	110.89	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	513860	169.66	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1390229	106.31	ng	0.00
78) Terphenyl-d14	20.13	244	2763688	90.06	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.73	128	376969	93.50	ng	99
17) 2-Methylphenol	8.62	107	345901	86.85	ng	97
20) 3+4-Methylphenols	8.94	107	1052175	193.60	ng	89
27) 2,4-Dimethylphenol	10.15	122	335375	78.63	ng	93
29) 2,4-Dichlorophenol	10.65	162	799021	182.53	ng	98
36) 4-Chloro-3-methylphenol	12.28	107	546217	102.43	ng	94
42) 2,4,6-Trichlorophenol	13.24	196	622512	149.51	ng	97
43) 2,4,5-Trichlorophenol	13.33	196	497962	110.78	ng	99
53) 2,4-Dinitrophenol	14.95	184	372486	161.05	ng	# 79
55) 4-Nitrophenol	15.05	139	267633	99.87	ng	# 89
64) 4,6-Dinitro-2-methylphenol	15.95	198	388889	108.99	ng	# 74
69) Pentachlorophenol	17.20	266	330831	109.64	ng	95

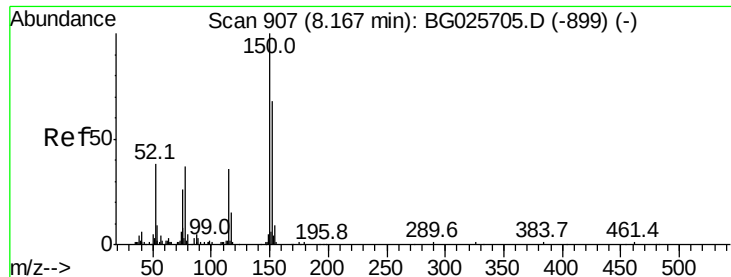
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

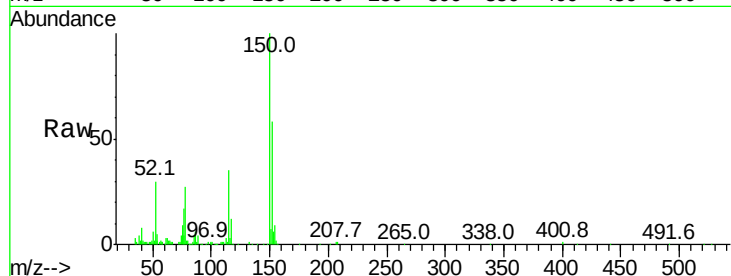
Tot Ion:152 Resp: 63653

Ion Ratio Lower Upper

152 100

150 172.1 114.0 171.0#

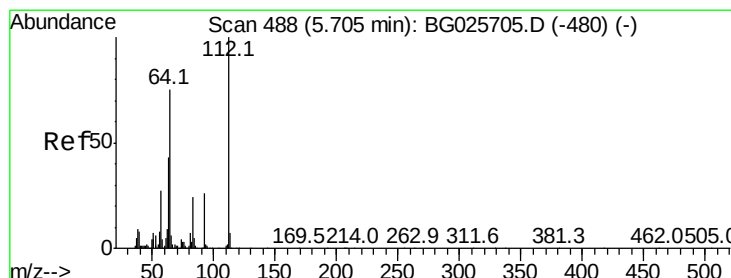
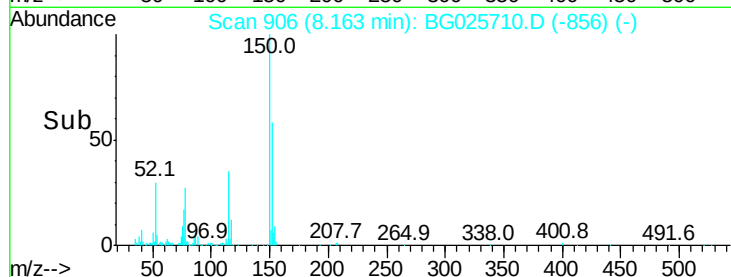
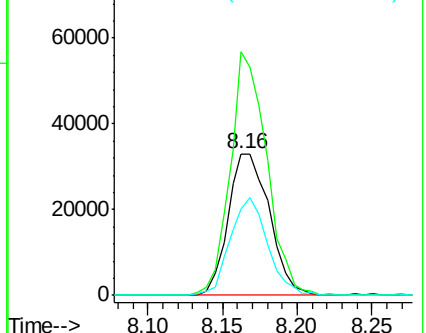
115 60.8 48.1 72.1



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: 176.75 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

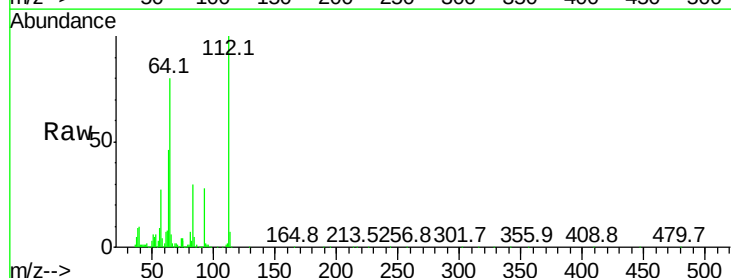
Tgt Ion:112 Resp: 627759

Ion Ratio Lower Upper

112 100

64 79.7 61.8 92.6

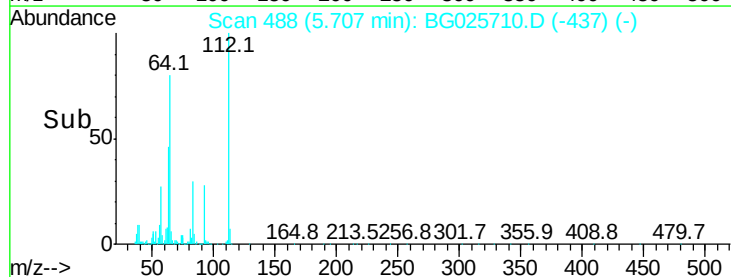
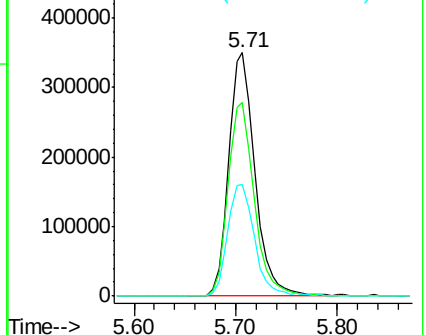
63 46.1 37.2 55.8

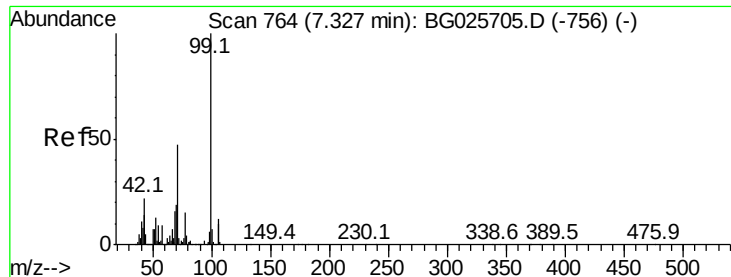


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 178.19 ng

RT: 7.33 min Scan# 764

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

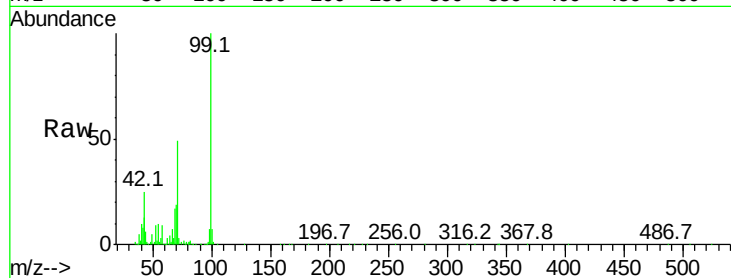
Tot Ion: 99 Resp: 924322

Ion Ratio Lower Upper

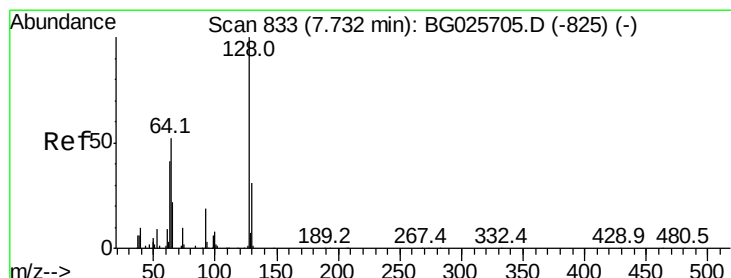
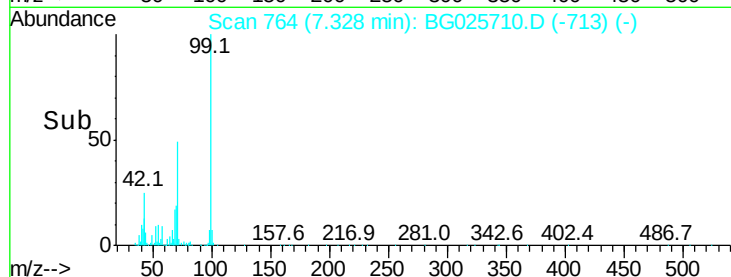
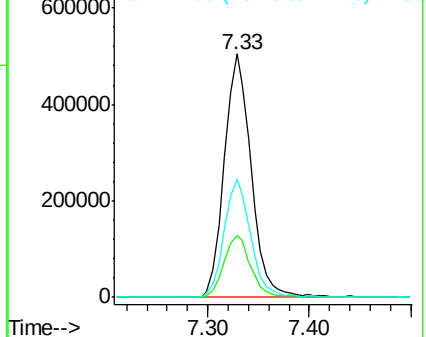
99 100

42 25.4 20.5 30.7

71 48.7 37.6 56.4



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: 93.50 ng

RT: 7.73 min Scan# 832

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

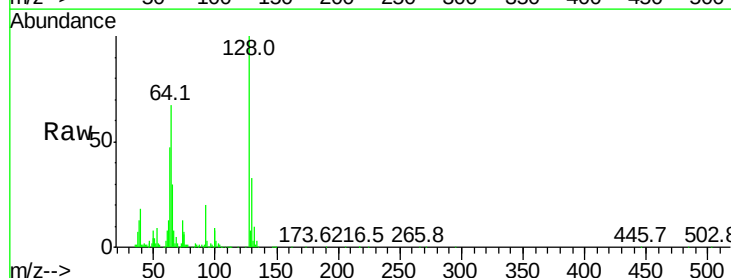
Tgt Ion:128 Resp: 376969

Ion Ratio Lower Upper

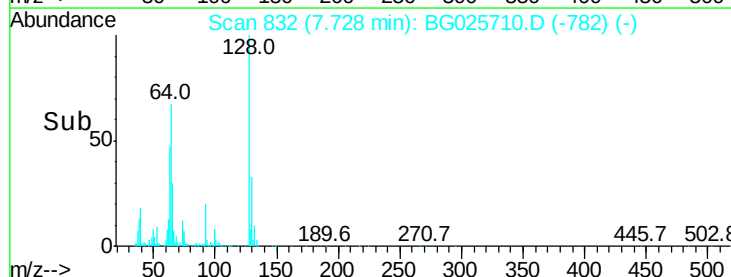
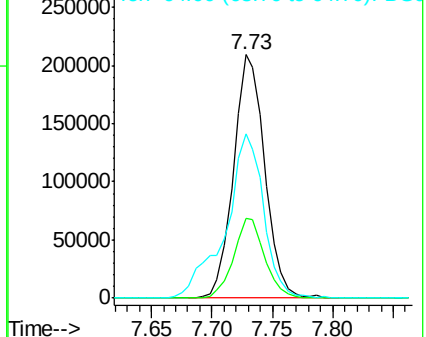
128 100

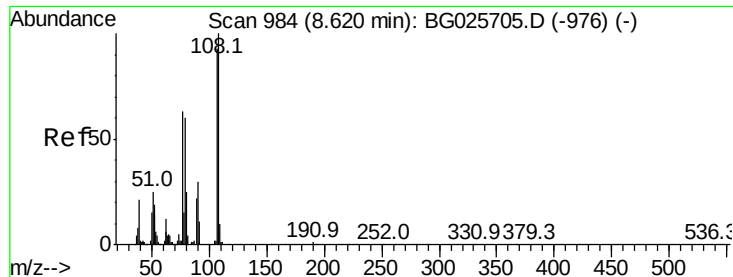
130 32.8 11.4 51.4

64 67.2 46.6 86.6



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





#17

2-Methylphenol

Concen: 86.85 ng

RT: 8.62 min Scan# 983

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

Tot Ion:107 Resp: 345901

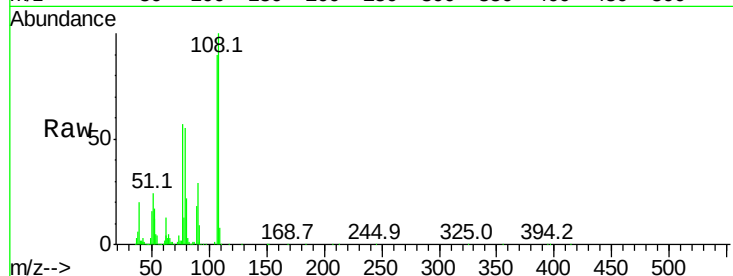
Ion Ratio Lower Upper

107 100

108 110.9 85.6 128.4

77 62.8 51.4 77.2

79 60.7 49.2 73.8

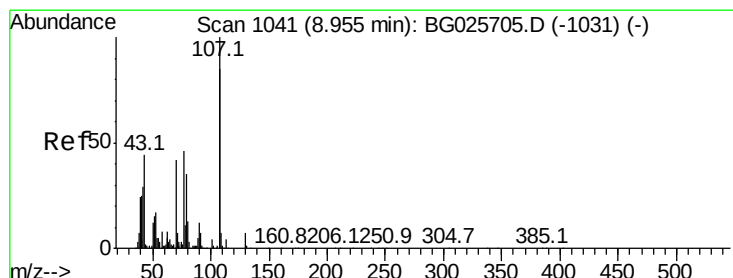
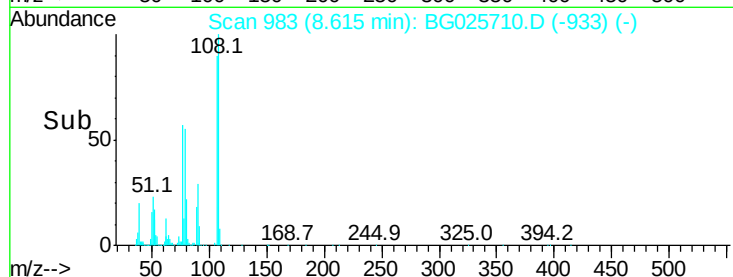
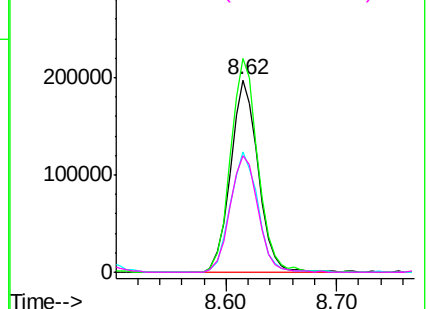


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#20

3+4-Methylphenols

Concen: 193.60 ng

RT: 8.94 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Tgt Ion:107 Resp: 1052175

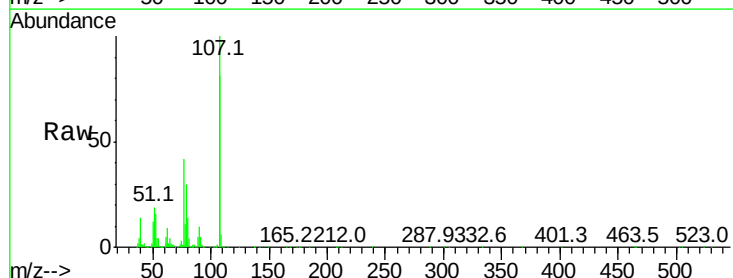
Ion Ratio Lower Upper

107 100

108 80.7 70.8 110.8

77 42.3 25.8 65.8

79 29.5 20.1 60.1

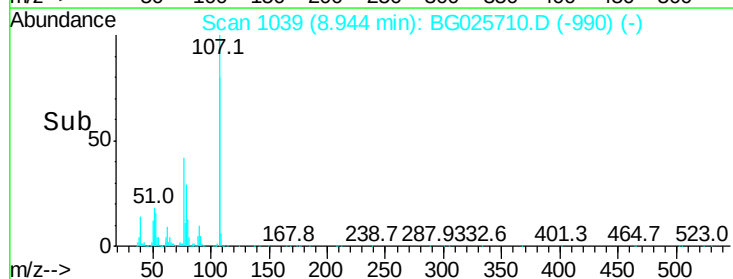
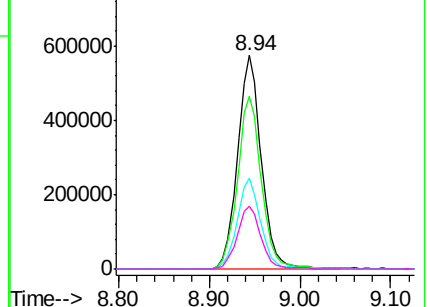


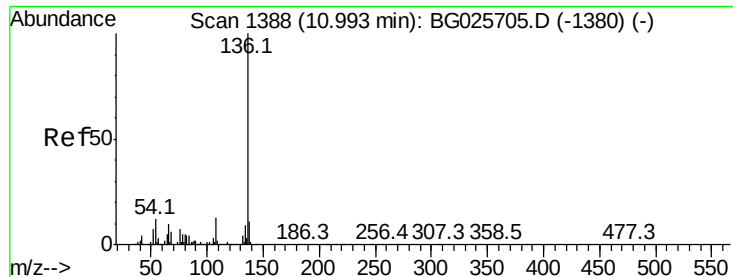
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

Tot Ion:136 Resp: 267455

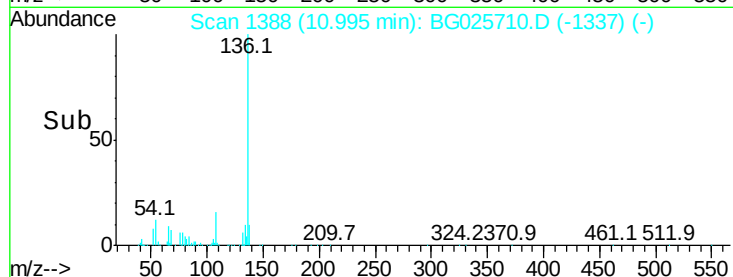
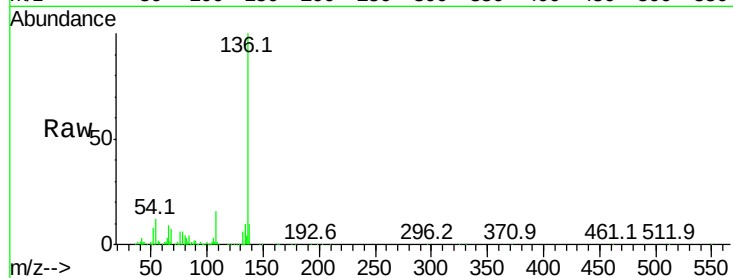
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 11.8 9.3 13.9

68 6.7 5.1 7.7

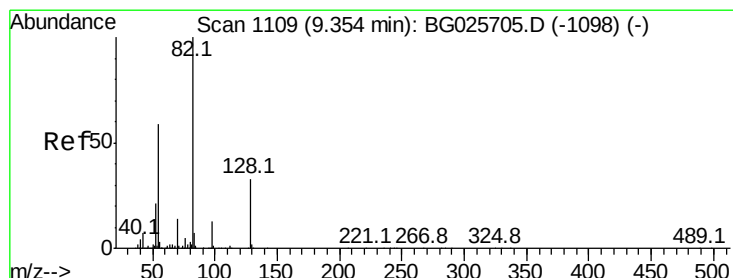
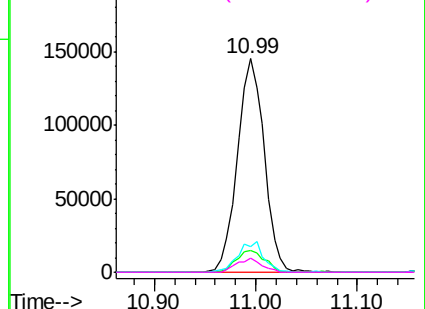


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 110.89 ng

RT: 9.36 min Scan# 1109

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

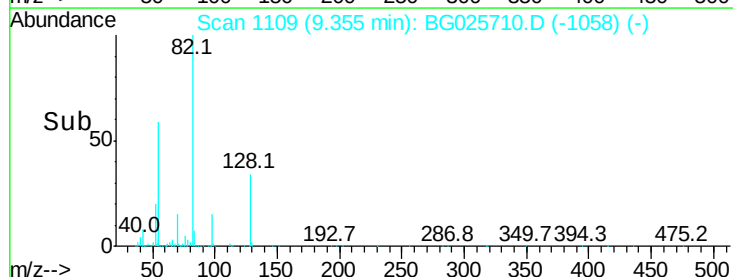
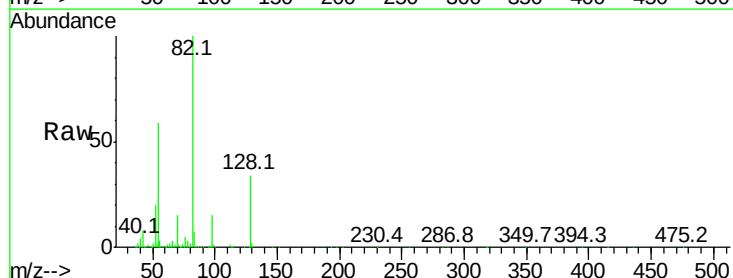
Tgt Ion: 82 Resp: 701952

Ion Ratio Lower Upper

82 100

128 34.0 26.4 39.6

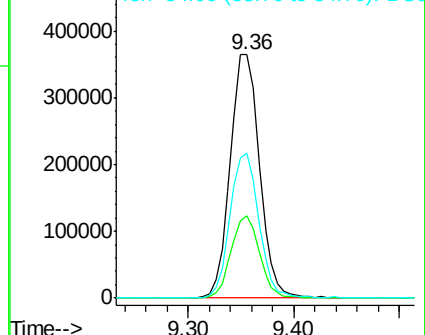
54 59.4 49.4 74.2

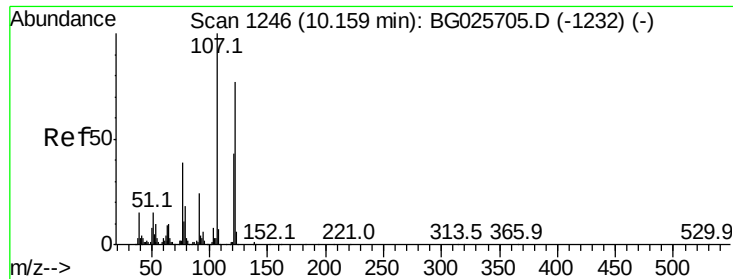


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

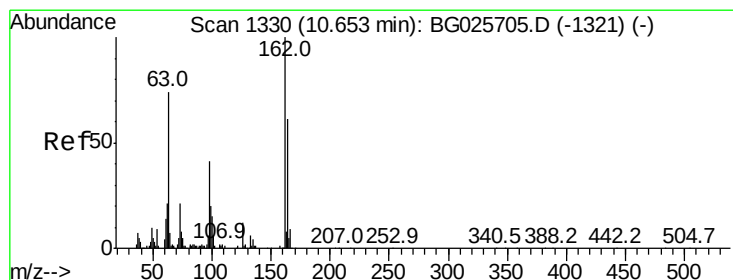
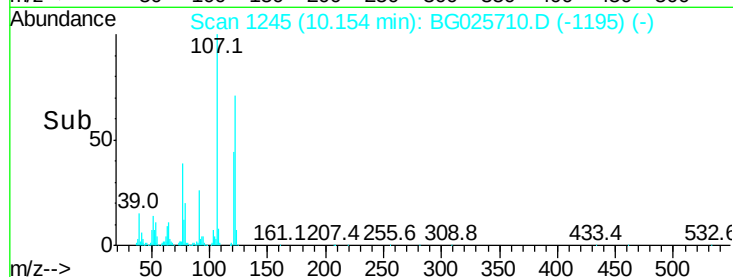
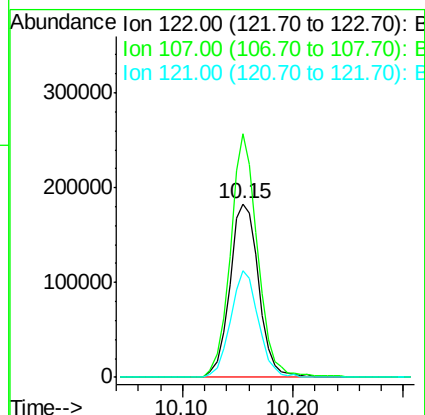
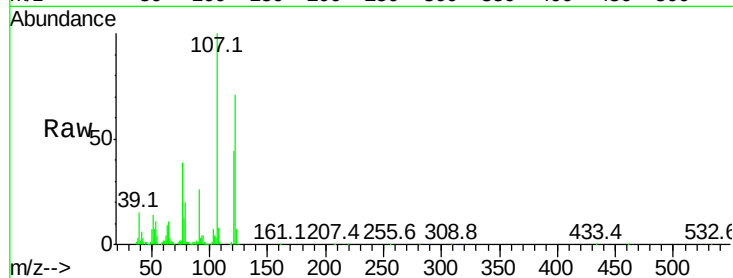




#27
2,4-Dimethylphenol
Concen: 78.63 ng
RT: 10.15 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

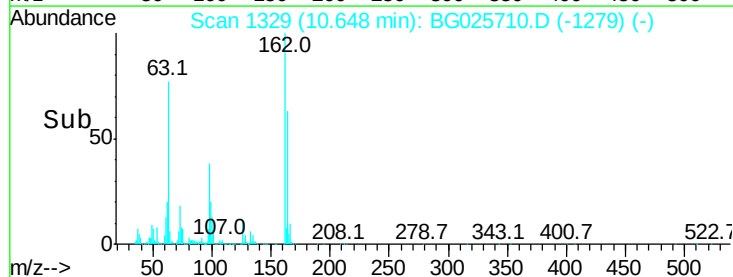
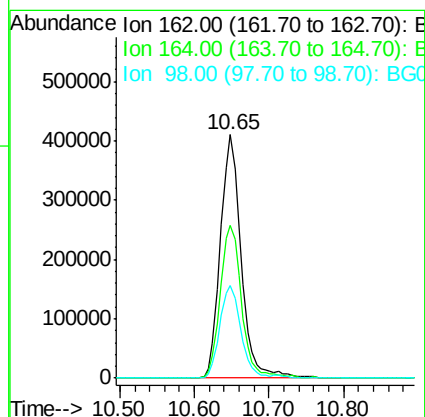
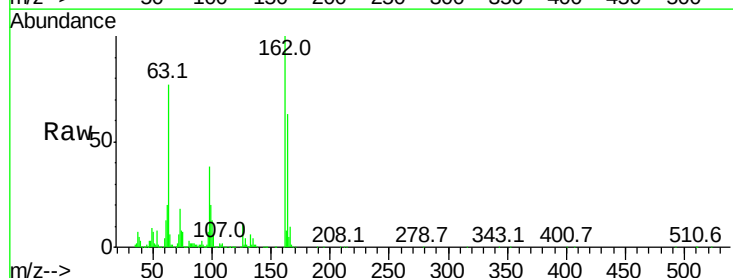
Instrument :
BNA_G
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0035

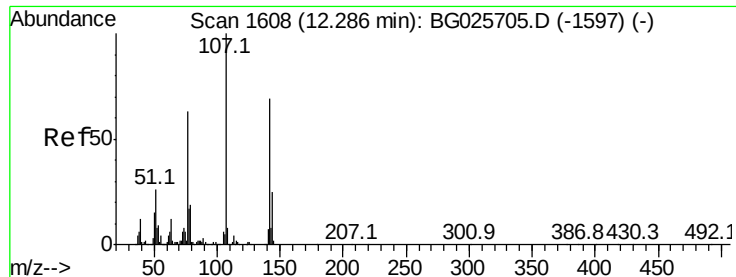
Tot Ion	Ratio	Lower	Upper
122	100		
107	140.2	104.2	156.4
121	61.3	46.0	69.0



#29
2,4-Dichlorophenol
Concen: 182.53 ng
RT: 10.65 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.5	42.4	82.4
98	37.8	20.3	60.3

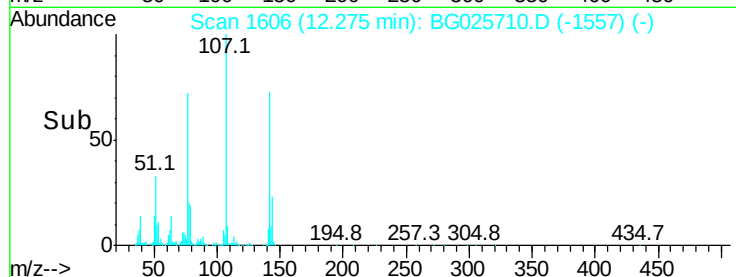
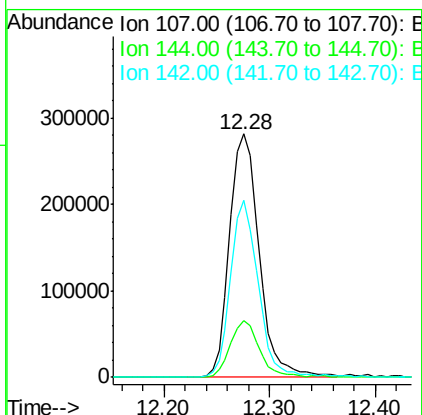
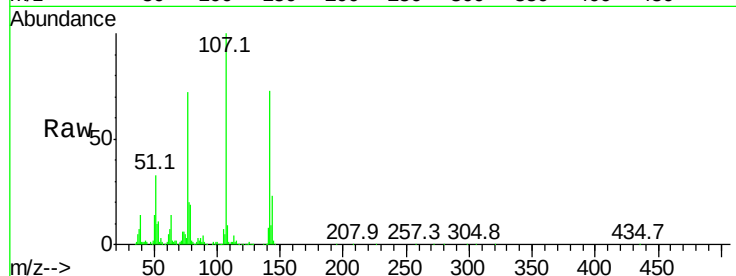




#36
4-Chloro-3-methylphenol
Concen: 102.43 ng
RT: 12.28 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

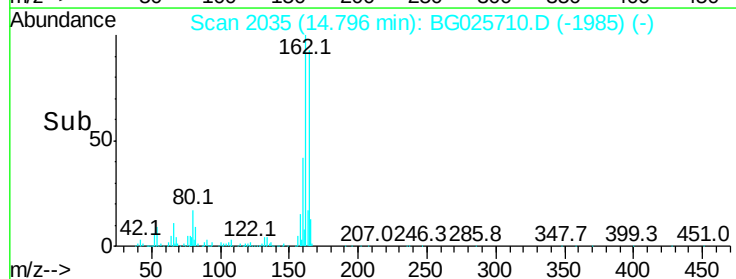
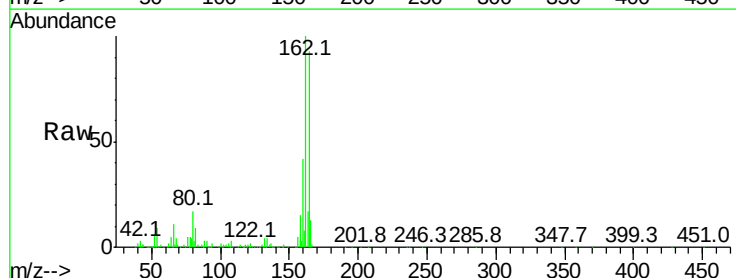
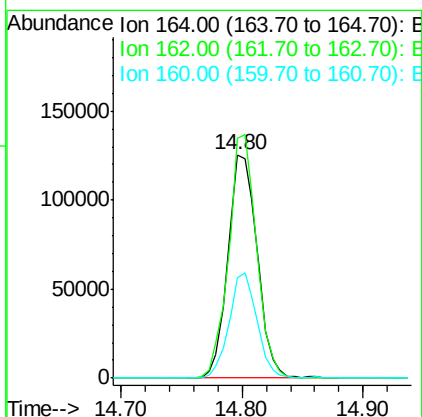
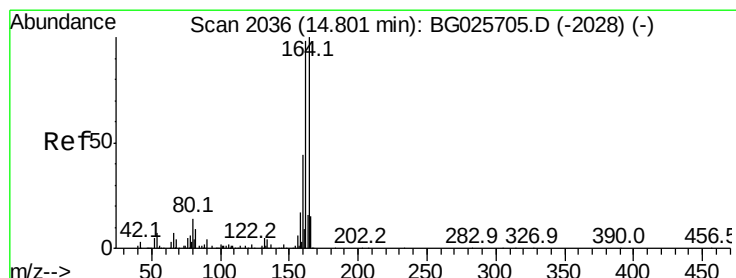
Instrument :
BNA_G
ClientSampleId :
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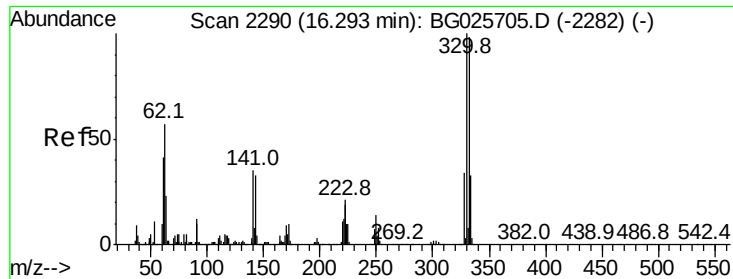
Tot Ion:107 Resp: 546217
Ion Ratio Lower Upper
107 100
144 23.4 17.4 26.0
142 72.8 54.1 81.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

Tgt Ion:164 Resp: 212379
Ion Ratio Lower Upper
164 100
162 107.3 85.1 127.7
160 45.0 34.7 52.1



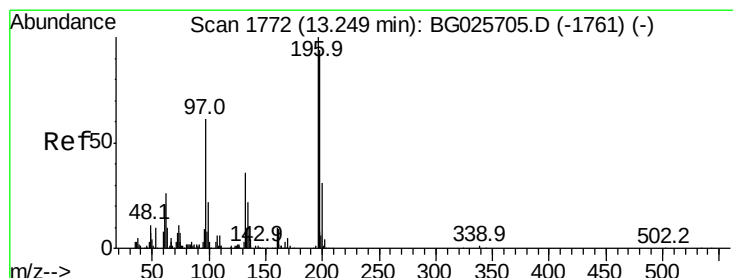
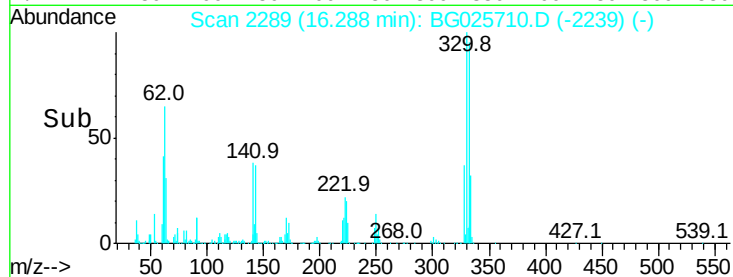
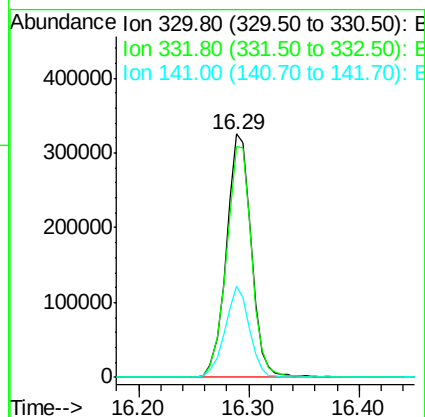
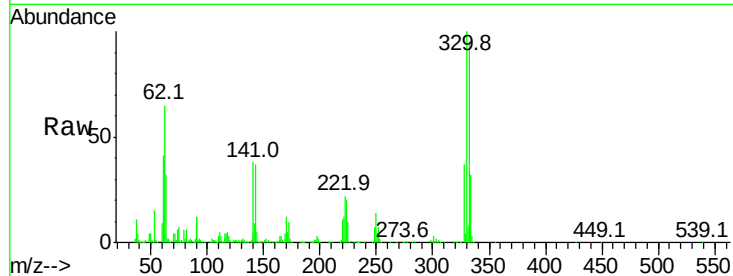


#41
 2,4,6-Tribromophenol
 Concen: 169.66 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BG025710.D
 Acq: 30 Jan 2017 18:33

Instrument :
 BNA_G
 ClientSampleId :
 0035

Tot Ion:330 Resp: 513860

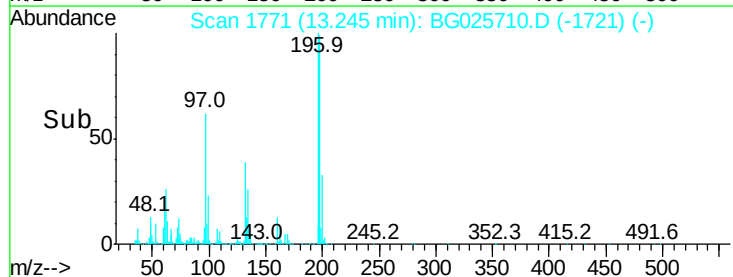
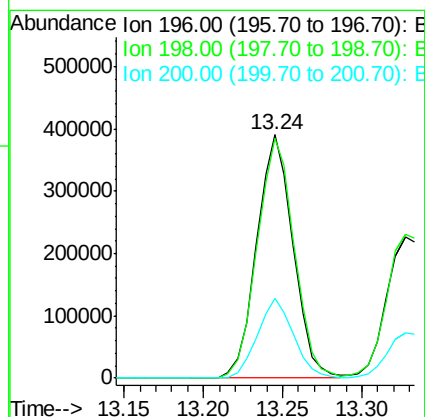
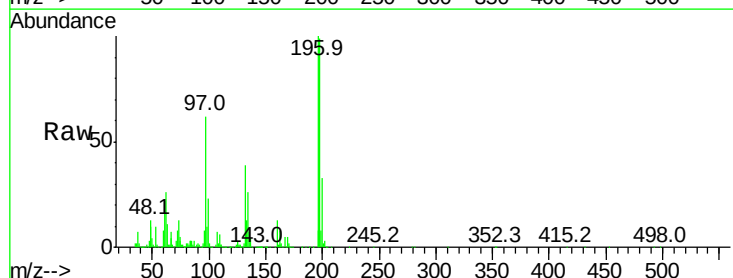
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	36.6	32.1	48.1

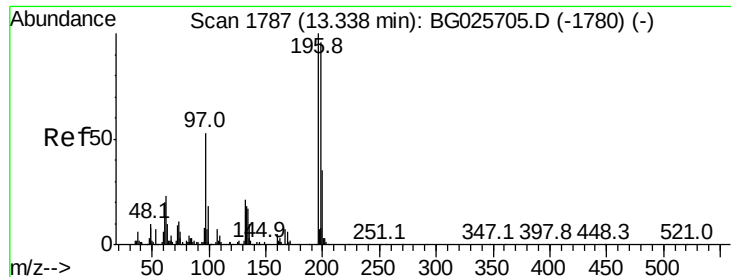


#42
 2,4,6-Trichlorophenol
 Concen: 149.51 ng
 RT: 13.24 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: BG025710.D
 Acq: 30 Jan 2017 18:33

Tgt Ion:196 Resp: 622512

Ion	Ratio	Lower	Upper
196	100		
198	98.7	81.4	122.2
200	32.6	27.0	40.6

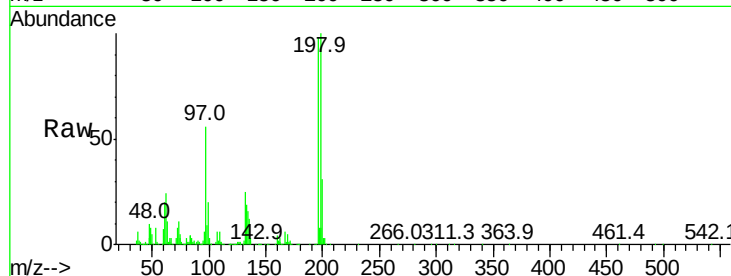




#43
 2,4,5-Trichlorophenol
 Concen: 110.78 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG025710.D
 Acq: 30 Jan 2017 18:33

Instrument :
 BNA_G
 ClientSampleId :
 0035

Tot Ion	Ratio	Lower	Upper
196	100		
198	101.9	79.9	119.9
97	57.4	45.4	68.0
132	25.6	20.7	31.1



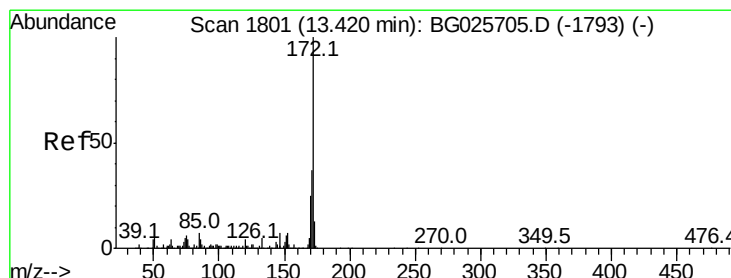
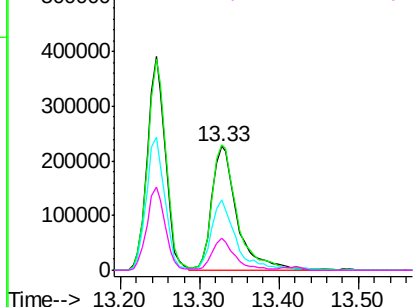
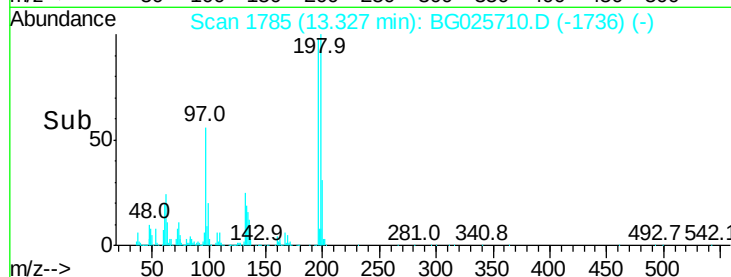
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

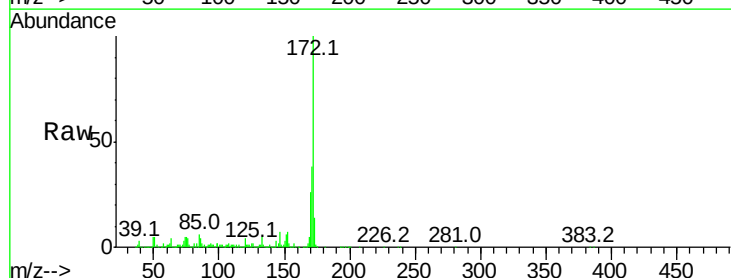
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.31 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG025710.D
 Acq: 30 Jan 2017 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	32.2	48.2
170	25.9	21.8	32.6

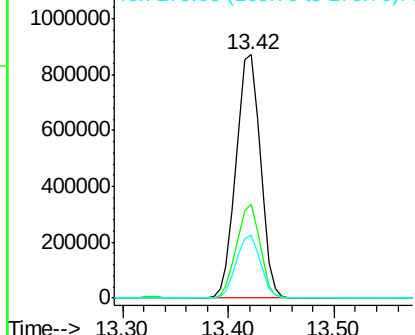
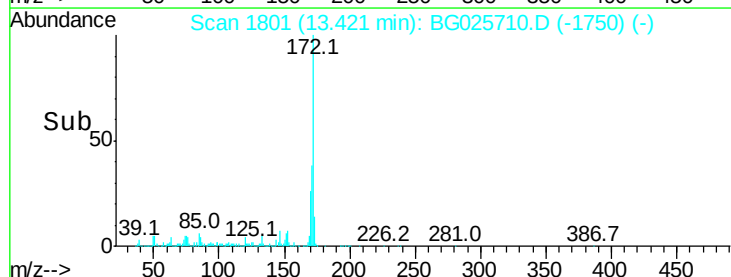


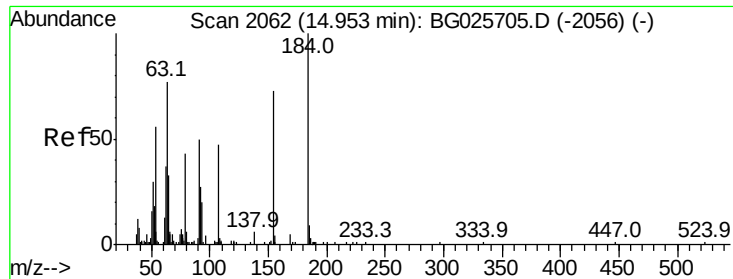
Abundance

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

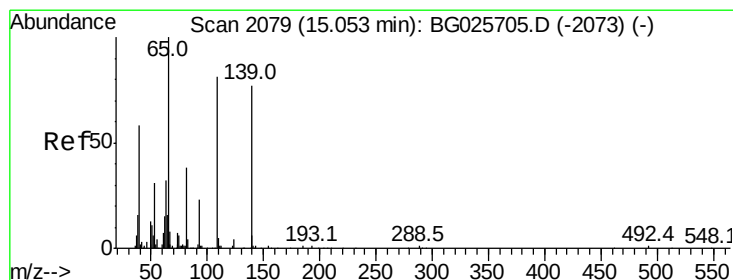
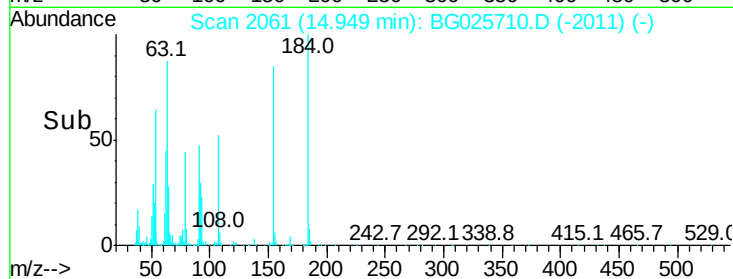
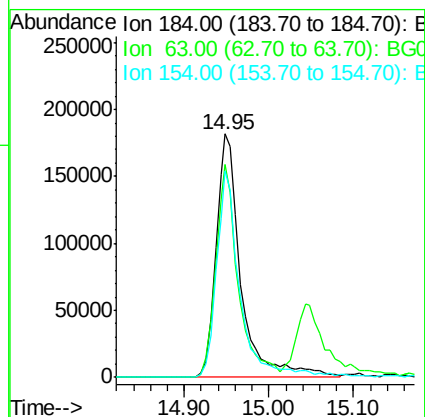
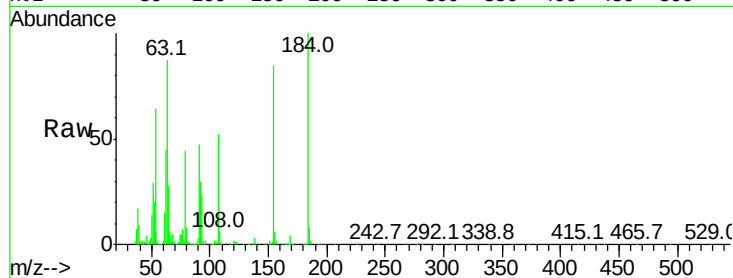




#53
2,4-Dinitrophenol
Concen: 161.05 ng
RT: 14.95 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

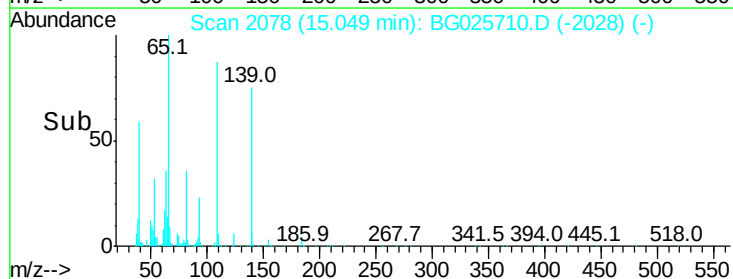
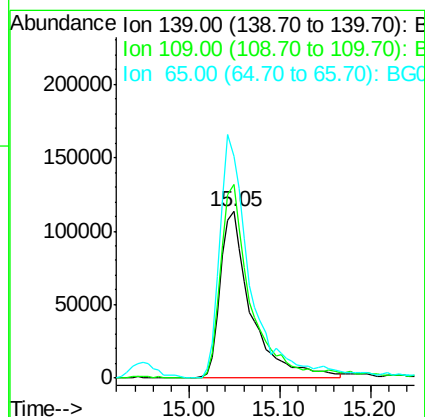
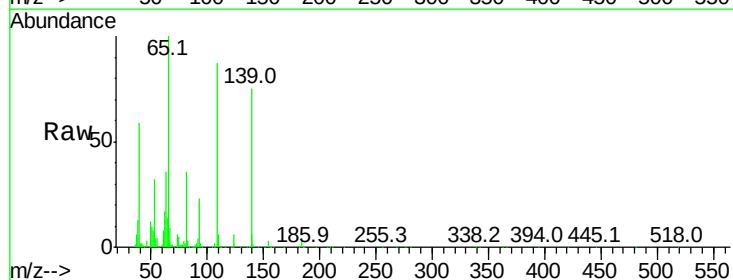
Instrument :
BNA_G
ClientSampleId :
0035

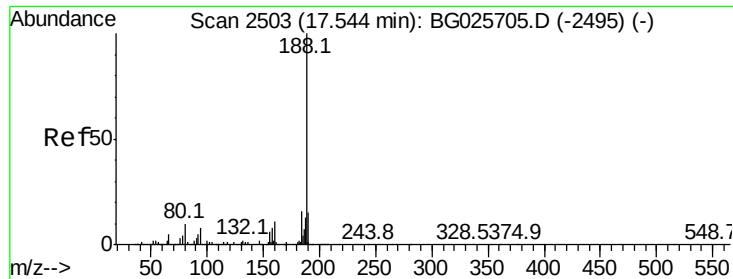
Tot Ion:184 Resp: 372486
Ion Ratio Lower Upper
184 100
63 87.5 52.7 79.1#
154 85.0 57.3 85.9



#55
4-Nitrophenol
Concen: 99.87 ng
RT: 15.05 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BG025710.D
Acq: 30 Jan 2017 18:33

Tgt Ion:139 Resp: 267633
Ion Ratio Lower Upper
139 100
109 116.2 101.2 141.2
65 133.3 135.3 175.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

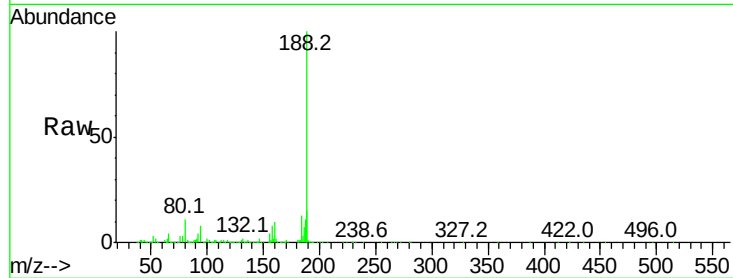
Tot Ion:188 Resp: 502121

Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.8

80 10.8 7.5 11.3

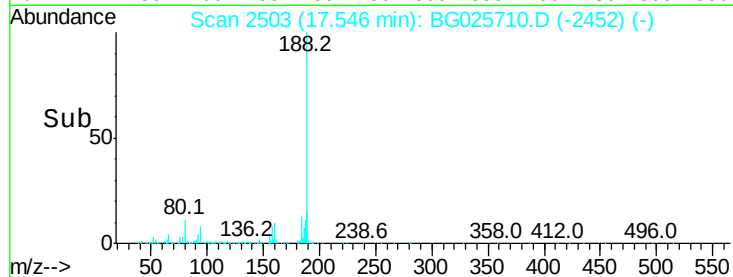


Abundance Ion 188.00 (187.70 to 188.70): E

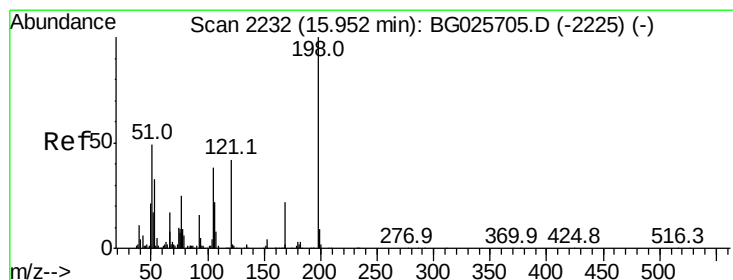
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.55



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 108.99 ng

RT: 15.95 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

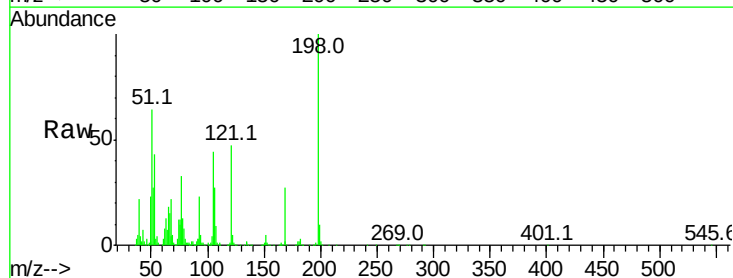
Tgt Ion:198 Resp: 388889

Ion Ratio Lower Upper

198 100

51 63.9 22.6 62.6#

105 43.7 14.4 54.4

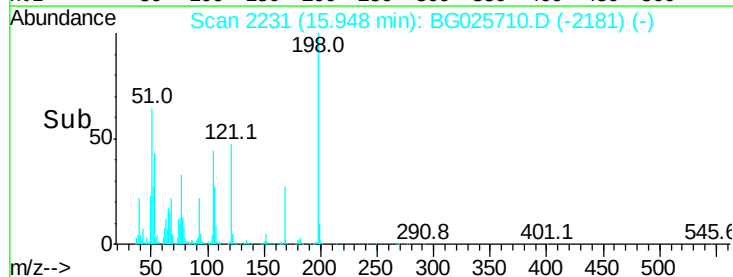


Abundance Ion 198.00 (197.70 to 198.70): E

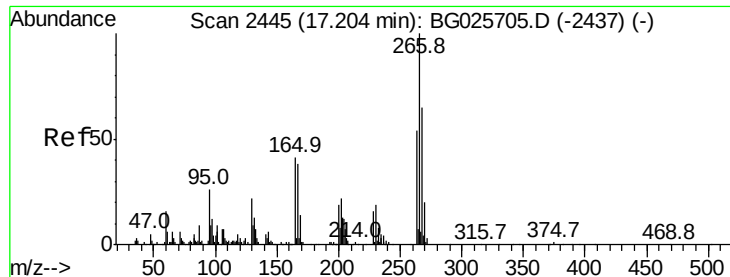
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

15.95



Time-->



#69

Pentachlorophenol

Concen: 109.64 ng

RT: 17.20 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

BNA_G

ClientSampleId :

0035

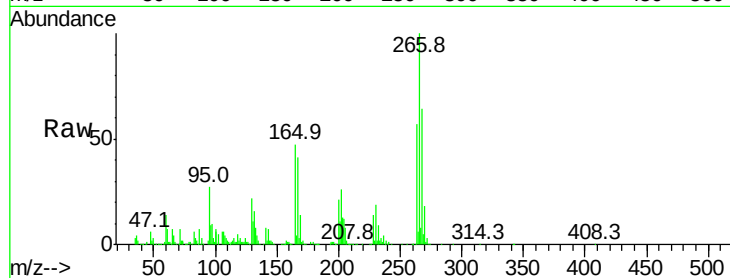
Tot Ion:266 Resp: 330831

Ion Ratio Lower Upper

266 100

268 63.7 48.6 72.8

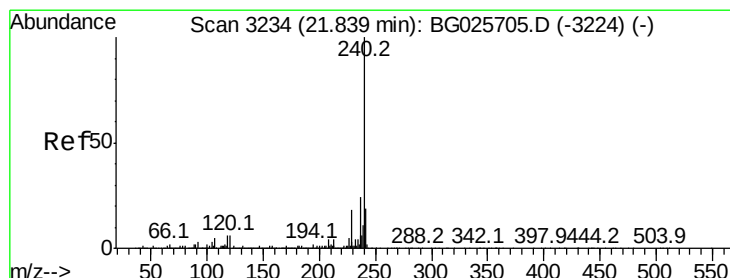
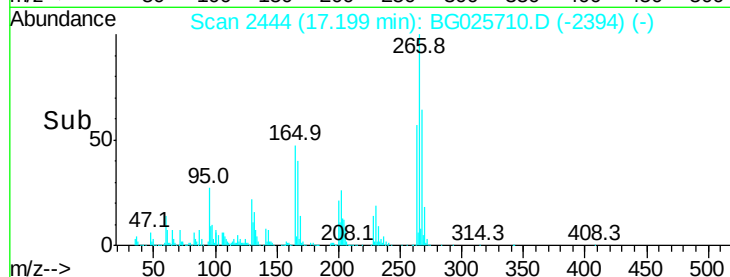
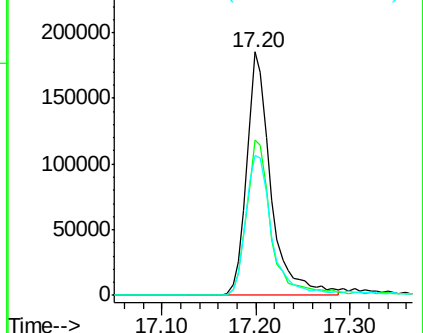
264 57.4 50.1 75.1



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: 21.83 min Scan# 3233

Delta R.T. -0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

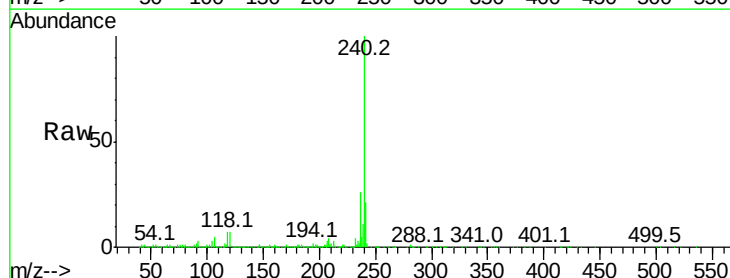
Tgt Ion:240 Resp: 740714

Ion Ratio Lower Upper

240 100

120 7.4 5.7 8.5

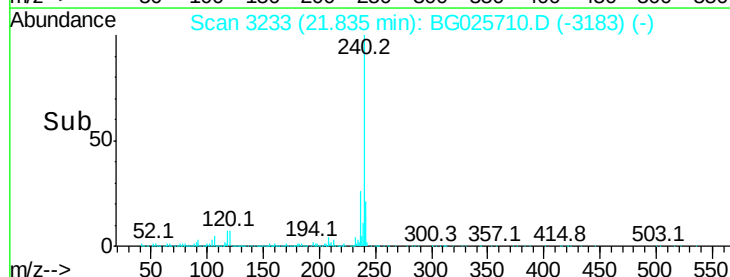
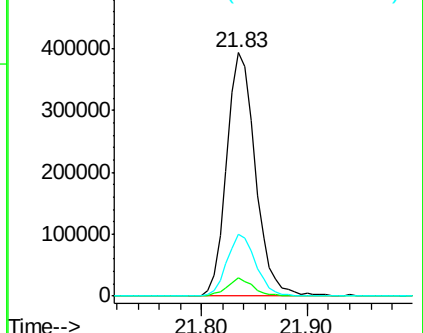
236 25.6 22.2 33.4

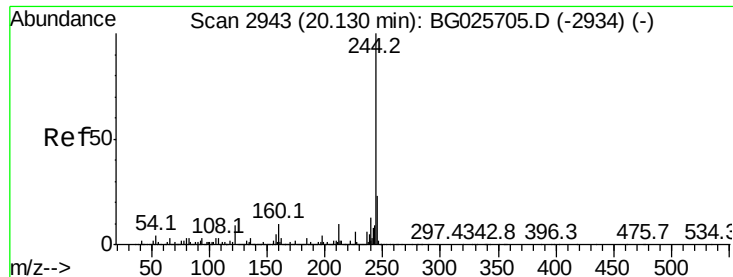


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.06 ng

RT: 20.13 min Scan# 2943

Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Instrument :

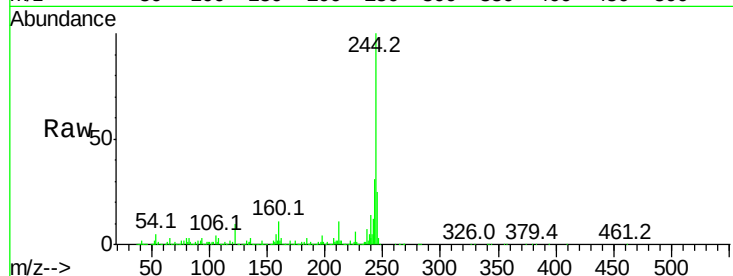
BNA_G

ClientSampleId :

0035

Tot Ion:244 Resp: 2763688

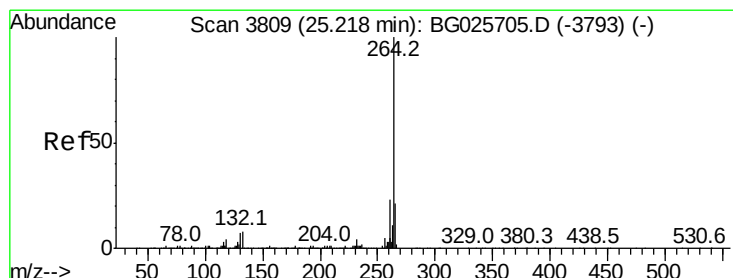
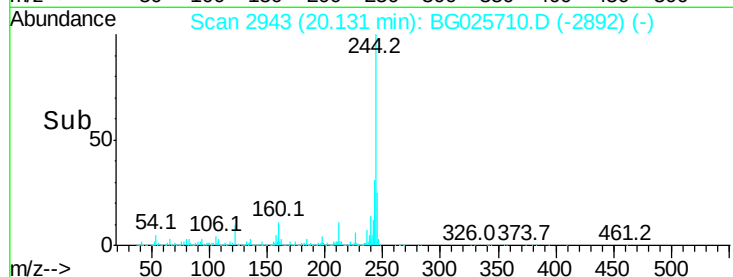
Ion	Ratio	Lower	Upper
244	100		
212	11.4	10.0	15.0
122	10.1	8.6	12.8



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: 25.22 min Scan# 3809

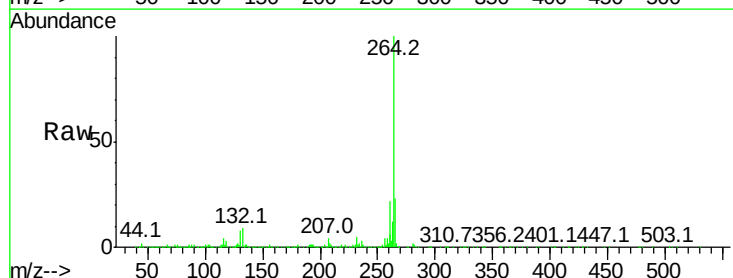
Delta R.T. 0.00 min

Lab File: BG025710.D

Acq: 30 Jan 2017 18:33

Tgt Ion:264 Resp: 701266

Ion	Ratio	Lower	Upper
264	100		
260	22.0	21.8	32.8
265	23.3	18.2	27.4



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

