

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
 Data File : BG027802.D
 Acq On : 2 Jul 2017 3:20
 Operator : SJ/JU
 Sample : I4007-05MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

Quant Time: Jul 03 07:42:16 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	31078	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	139488	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	8575	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	59641	20.00	ng	0.00
75) Chrysene-d12	22.17	240	70	20.00	ng	0.00
86) Perylene-d12	0.00	264	0	0.00	ng	-25.79

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.06	112	252504	125.12	ng	0.00
7) Phenol-d6	7.62	99	68817	22.32	ng	0.00
23) Nitrobenzene-d5	9.65	82	236962	94.69	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	193131	1642.05	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	574998	957.66	ng	0.00
78) Terphenyl-d14	20.39	244	13359	4474.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	4.06	88	27358	36.410	ng	96
4) n-Nitrosodimethylamine	4.35	42	5829	5.138	ng	# 86
6) Aniline	7.89	93	85997	24.063	ng	# 57
8) 2-Chlorophenol	8.05	128	100556	44.589	ng	88
9) Benzaldehyde	7.62	77	32290	17.600	ng	# 71
10) Phenol	7.65	94	45326	14.859	ng	88
11) bis(2-Chloroethyl)ether	7.89	93	85997	37.116	ng	93
12) 1,3-Dichlorobenzene	8.37	146	91970	38.340	ng	# 92
13) 1,4-Dichlorobenzene	8.52	146	96593	38.861	ng	96
14) 1,2-Dichlorobenzene	8.83	146	97434	40.429	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.99	45	183521	37.135	ng	98
17) 2-Methylphenol	8.90	107	24322	11.270	ng	# 87
18) Hexachloroethane	9.57	117	32339	36.988	ng	85
20) 3+4-Methylphenols	9.22	107	30776	9.889	ng	86
22) Acetophenone	9.29	105	172114	51.134	ng	# 90
24) Nitrobenzene	9.69	77	119187	45.557	ng	# 84
25) Isophorone	10.20	82	11545	2.117	ng	# 91
26) 2-Nitrophenol	10.40	139	57920	49.013	ng	# 84
27) 2,4-Dimethylphenol	10.43	122	36932	16.686	ng	87
29) 2,4-Dichlorophenol	10.93	162	104541	53.895	ng	97
30) 1,2,4-Trichlorobenzene	11.16	180	94849	47.945	ng	98
31) Naphthalene	11.35	128	329598	44.433	ng	99
32) Benzoic acid	10.56	122	64620	47.809	ng	# 75
34) Hexachlorobutadiene	11.62	225	56756	51.489	ng	96
36) 4-Chloro-3-methylphenol	12.52	107	70670	25.891	ng	88
37) 2-Methylnaphthalene	12.91	142	231372	41.877	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	115317	511.762	ng	98
40) Hexachlorocyclopentadiene	13.25	237	154047	1449.977	ng	95
42) 2,4,6-Trichlorophenol	13.51	196	78967	485.217	ng	93
43) 2,4,5-Trichlorophenol	13.58	196	83715	453.973	ng	# 95
45) 1,1'-Biphenyl	13.90	154	326547	475.109	ng	98
46) 2-Chloronaphthalene	13.95	162	244140	470.213	ng	98
48) Acenaphthylene	14.79	152	10829	11.414	ng	93
49) Dimethylphthalate	14.50	163	28102	38.417	ng	# 96

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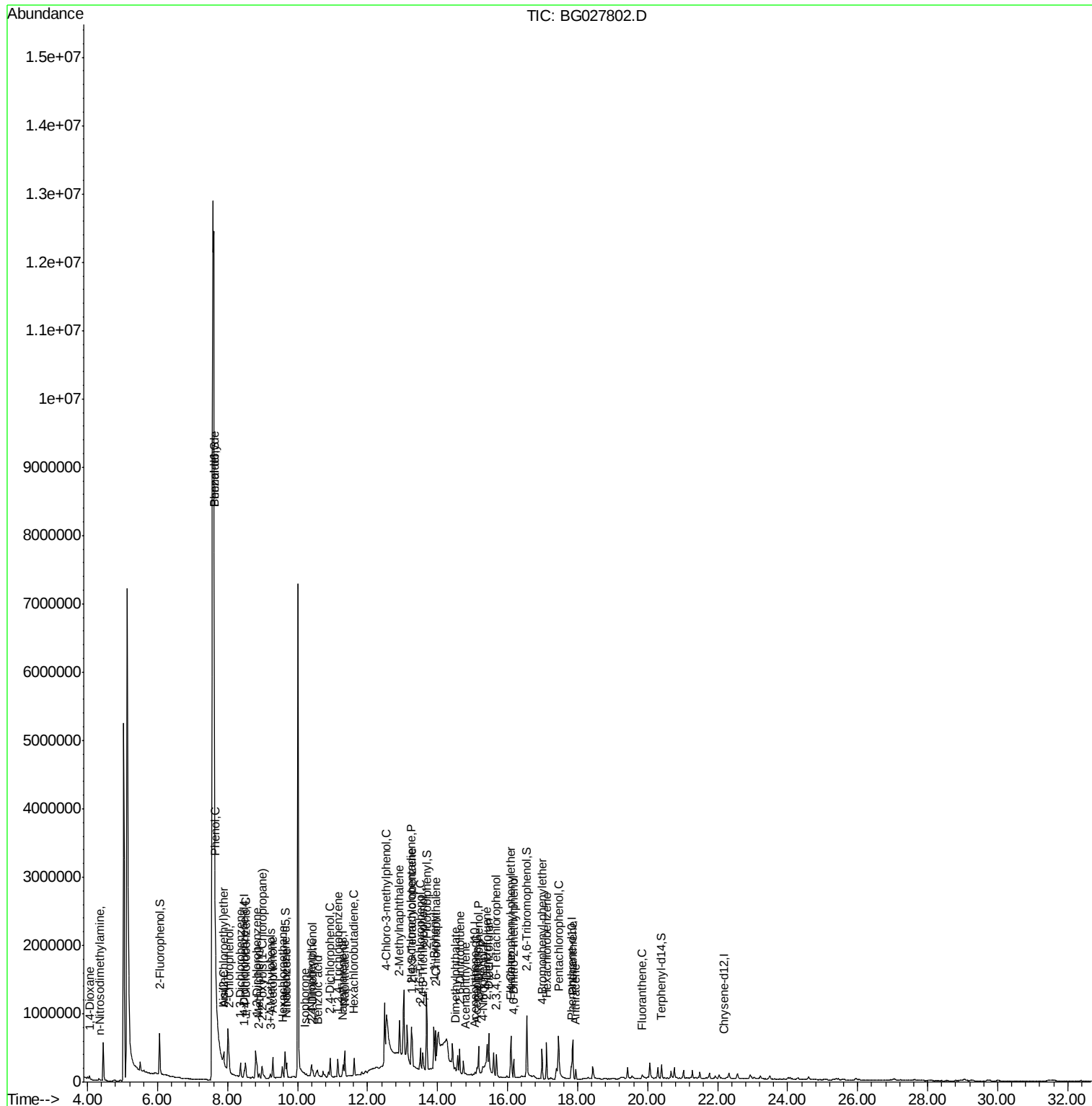
Quant Time: Jul 03 07:42:16 2017
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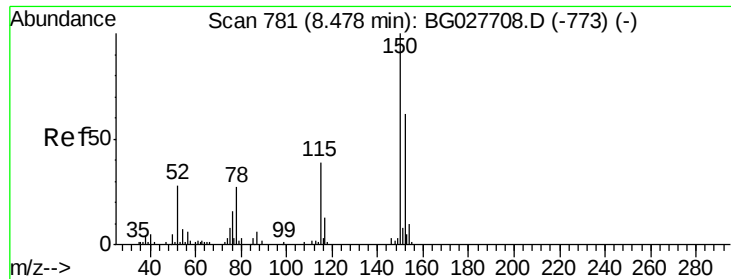
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2,6-Dinitrotoluene	14.63	165	73997	465.340	ng	# 83
51) Acenaphthene	15.13	154	33800	55.585	ng	97
53) 2,4-Dinitrophenol	15.17	184	95384	984.404	ng	94
54) Dibenzofuran	15.46	168	338824	421.399	ng	98
55) 4-Nitrophenol	15.30	139	50522	353.784	ng	# 60
56) 2,4-Dinitrotoluene	15.41	165	106884	481.905	ng	# 87
57) Fluorene	16.11	166	168465	216.094	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.69	232	77056	484.739	ng	95
60) 4-Chlorophenyl-phenylether	16.09	204	138808	402.214	ng	95
64) 4,6-Dinitro-2-methylphenol	16.17	198	59815	146.678	ng	84
66) 4-Bromophenyl-phenylether	16.99	248	85976	137.829	ng	92
67) Hexachlorobenzene	17.12	284	119489	180.875	ng	90
69) Pentachlorophenol	17.46	266	117595	263.482	ng	97
70) Phenanthrene	17.86	178	378575	109.952	ng	94
71) Anthracene	17.95	178	92365	26.566	ng	94
74) Fluoranthene	19.84	202	29438	7.823	ng	95

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

```
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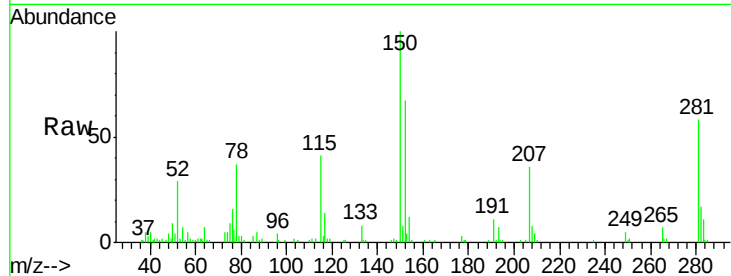


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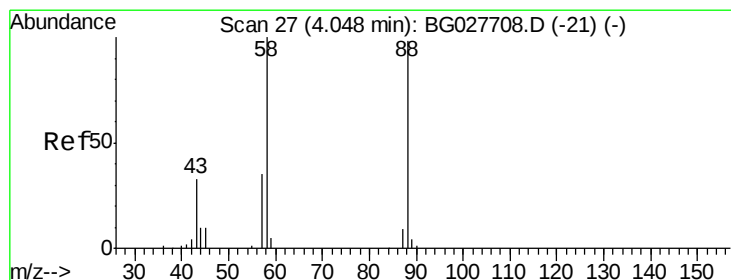
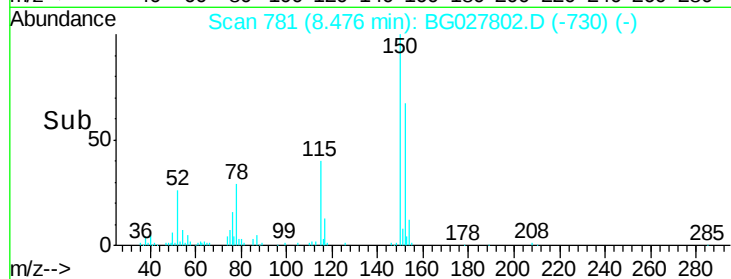
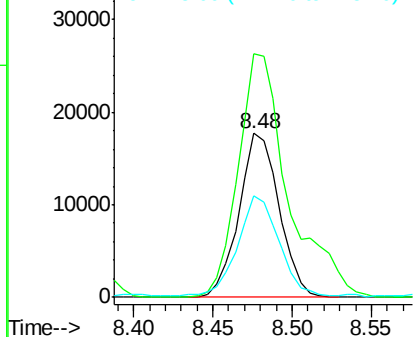
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.48 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG027802.D
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TP2-MH2094-COMPMSD

Tgt Ion:152 Resp: 31078
Ion Ratio Lower Upper
152 100
150 148.6 114.0 171.0
115 61.7 48.1 72.1



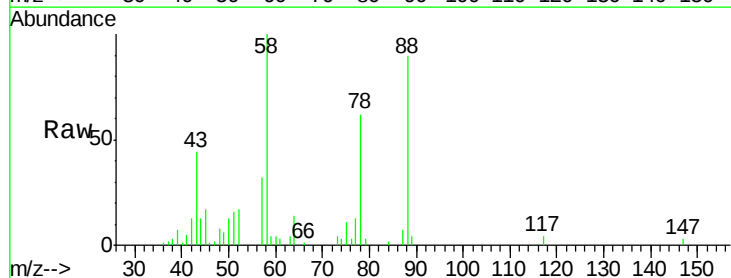
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



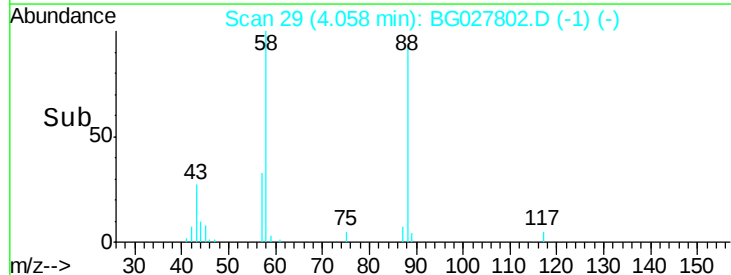
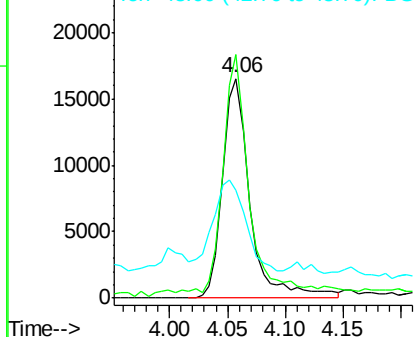
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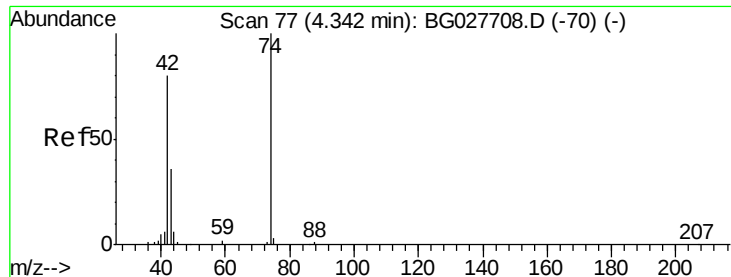
1,4-Dioxane
Concen: 36.410 ng
RT: 4.06 min Scan# 29
Delta R.T. 0.01 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion: 88 Resp: 27358
Ion Ratio Lower Upper
88 100
58 98.7 79.4 119.2
43 50.4 33.8 50.6



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





#4

n-Nitrosodimethylamine

Concen: 5.138 ng

RT: 4.35 min Scan# 79

Delta R.T. 0.01 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

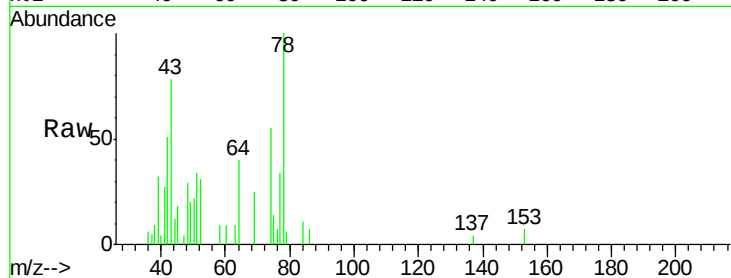
Tgt Ion: 42 Resp: 5829

Ion Ratio Lower Upper

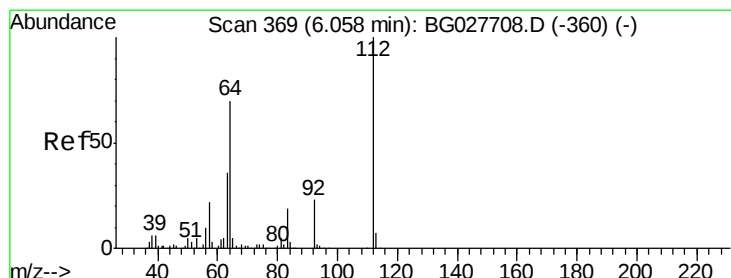
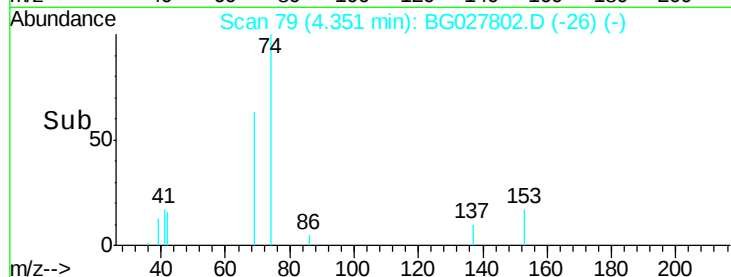
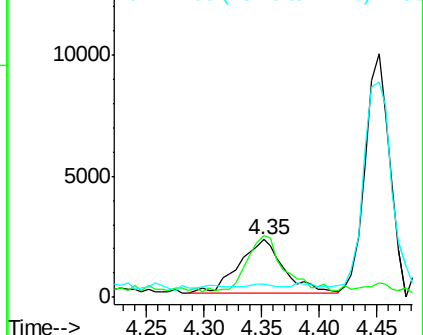
42 100

74 106.9 76.7 115.1

44 22.7 6.1 9.1#



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: 125.115 ng

RT: 6.06 min Scan# 370

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

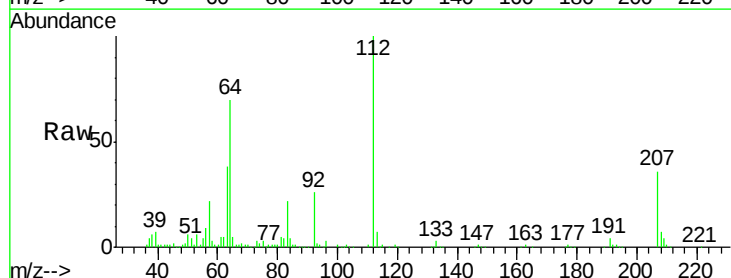
Tgt Ion: 112 Resp: 252504

Ion Ratio Lower Upper

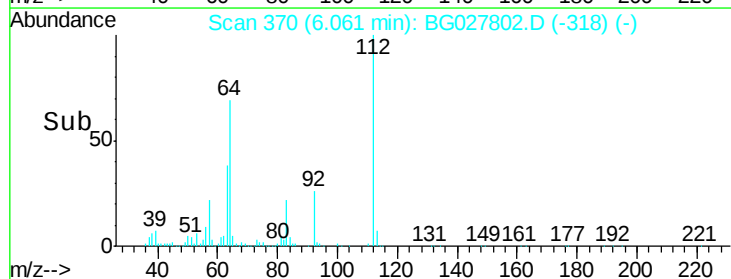
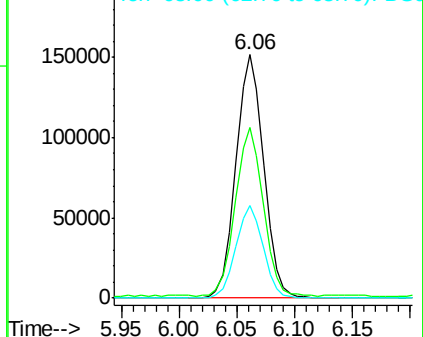
112 100

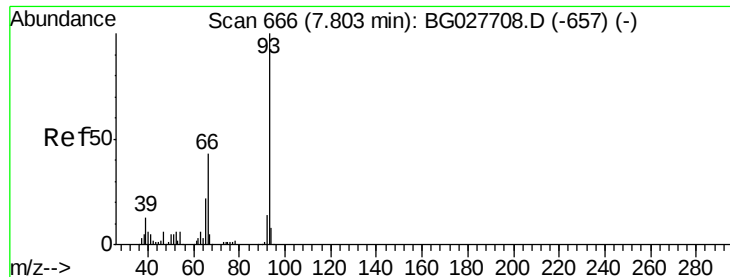
64 70.2 61.8 92.6

63 38.1 37.2 55.8



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





#6

Aniline

Concen: 24.063 ng

RT: 7.89 min Scan# 681

Delta R.T. 0.09 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

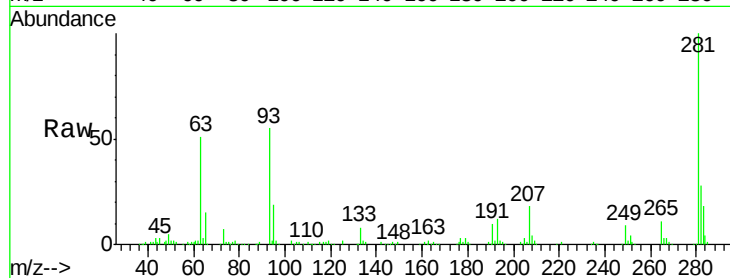
Tgt Ion: 93 Resp: 85997

Ion Ratio Lower Upper

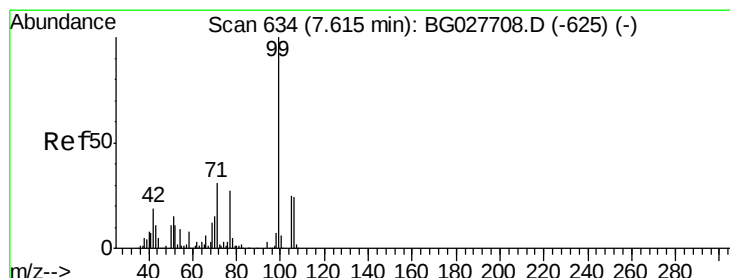
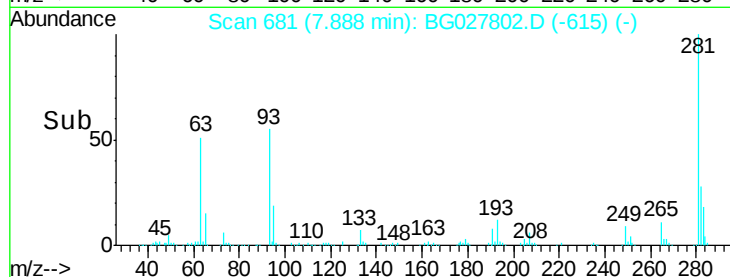
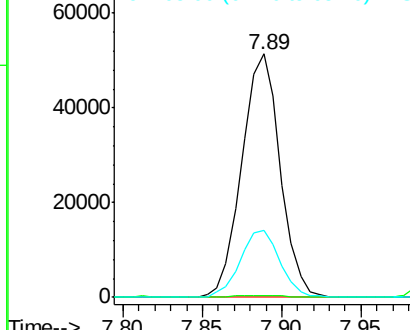
93 100

66 0.8 35.4 53.2#

65 27.3 21.2 31.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 22.320 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

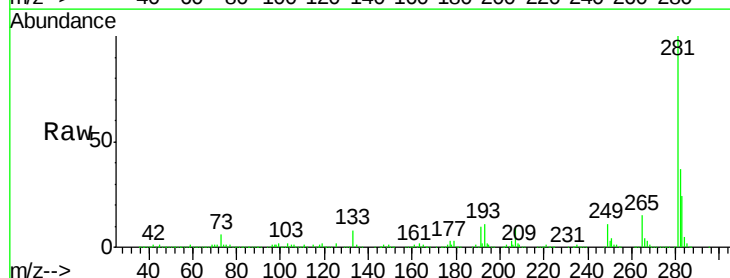
Tgt Ion: 99 Resp: 68817

Ion Ratio Lower Upper

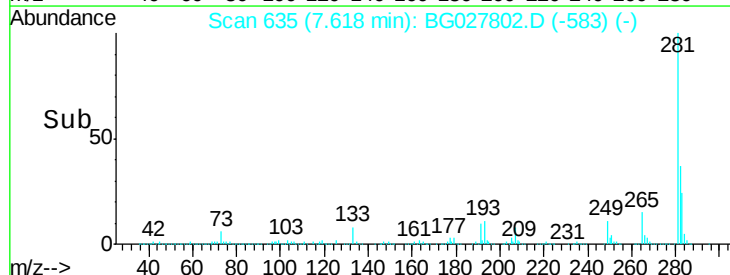
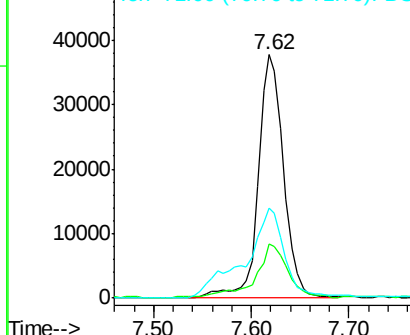
99 100

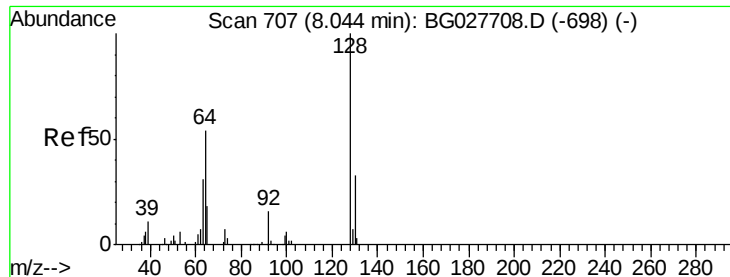
42 22.2 20.5 30.7

71 36.9 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: 44.589 ng

RT: 8.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

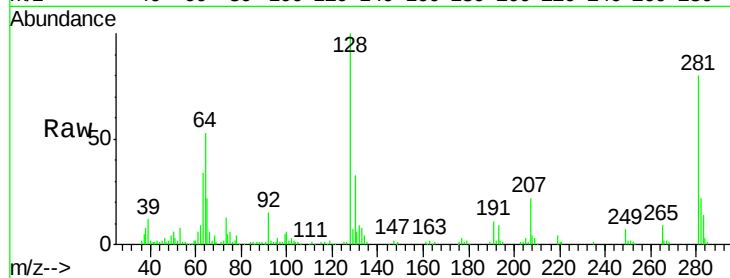
Instrument :

BNA_G

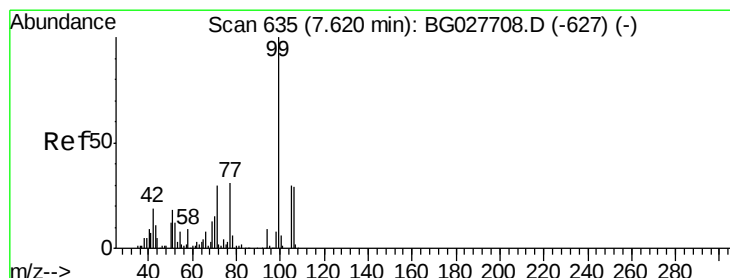
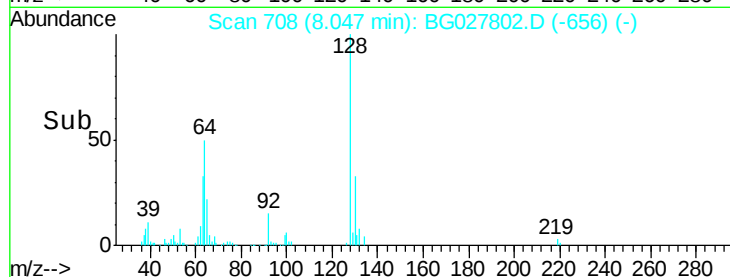
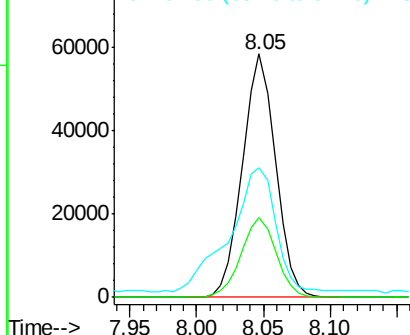
ClientSampleId :

TP2-MH2094-COMPMSD

Tgt Ion:	128	Resp:	100556
Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.4	51.4
64	53.1	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



#9

Benzaldehyde

Concen: 17.600 ng

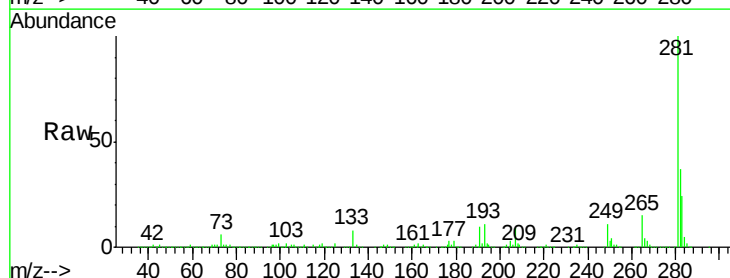
RT: 7.62 min Scan# 635

Delta R.T. -0.00 min

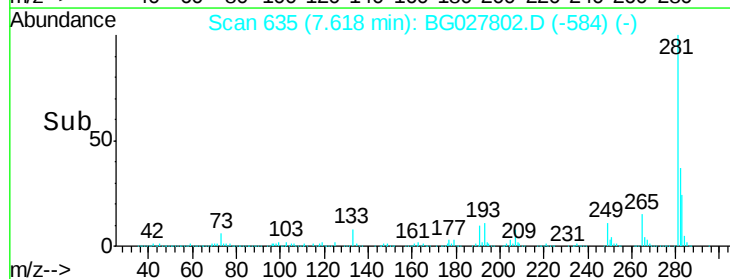
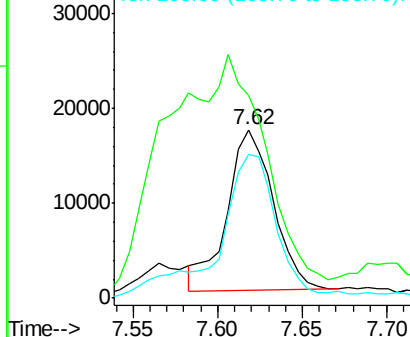
Lab File: BG027802.D

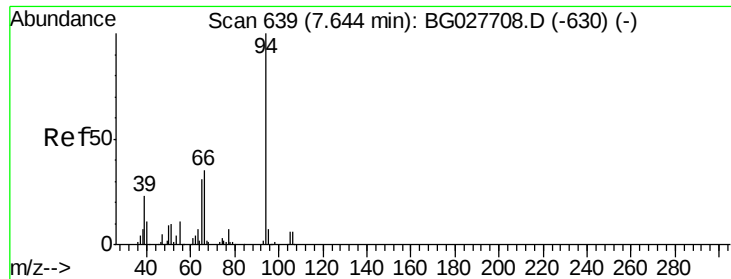
Acq: 2 Jul 2017 3:20

Tgt Ion:	77	Resp:	32290
Ion	Ratio	Lower	Upper
77	100		
105	120.2	60.9	100.9#
106	85.2	55.1	95.1



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: 14.859 ng

RT: 7.65 min Scan# 640

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

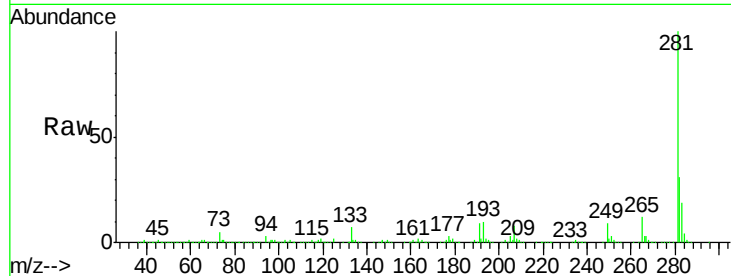
Tgt Ion: 94 Resp: 45326

Ion Ratio Lower Upper

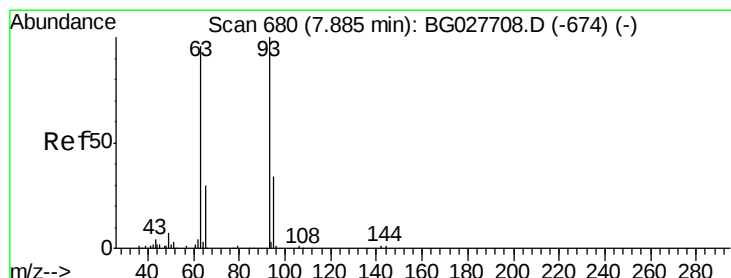
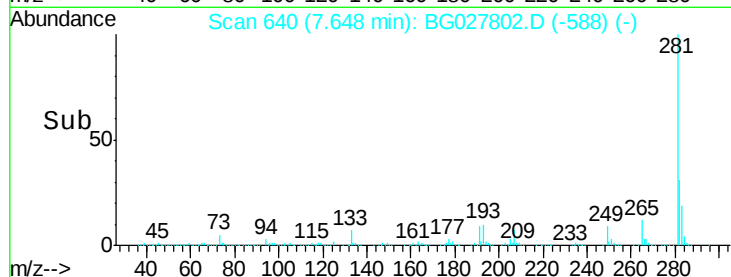
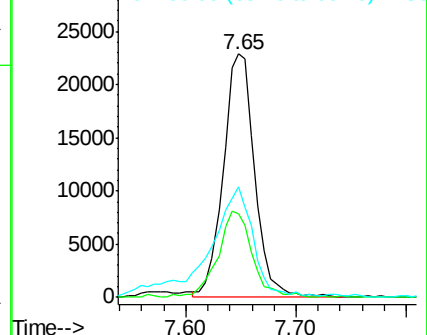
94 100

65 34.5 20.6 60.6

66 45.1 35.5 75.5



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: 37.116 ng

RT: 7.89 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

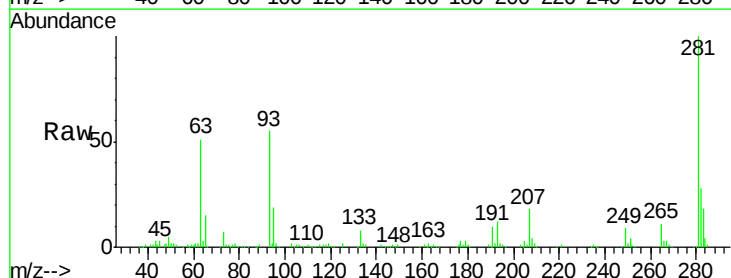
Tgt Ion: 93 Resp: 85997

Ion Ratio Lower Upper

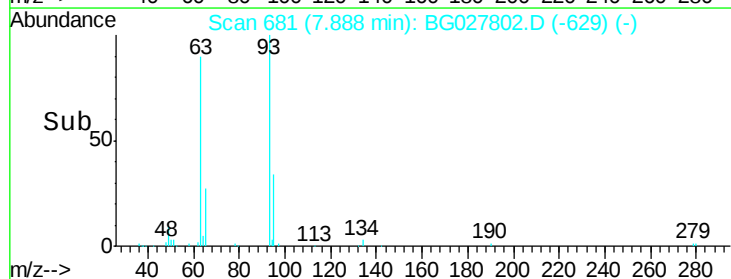
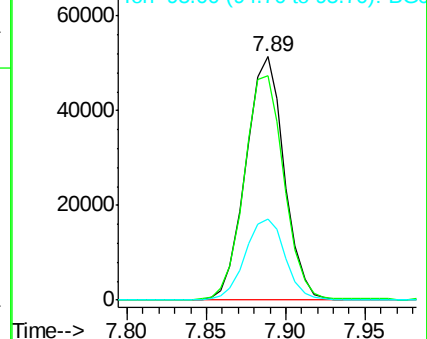
93 100

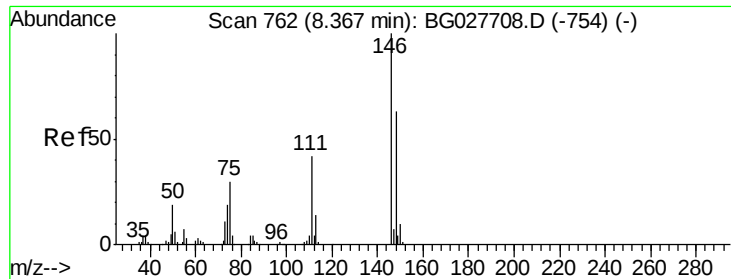
63 92.2 78.5 118.5

95 33.5 9.8 49.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#12

1,3-Dichlorobenzene

Concen: 38.340 ng

RT: 8.37 min Scan# 763

Delta R.T. 0.00 min

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Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

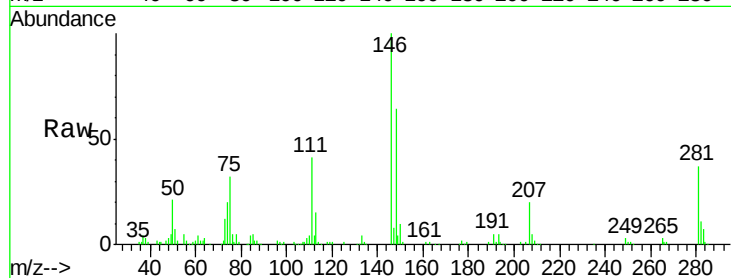
Tgt Ion:146 Resp: 91970

Ion Ratio Lower Upper

146 100

148 64.0 49.2 73.8

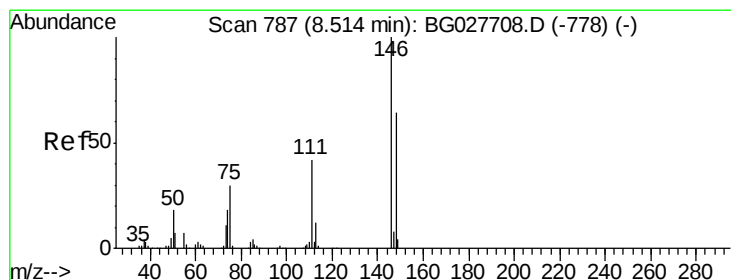
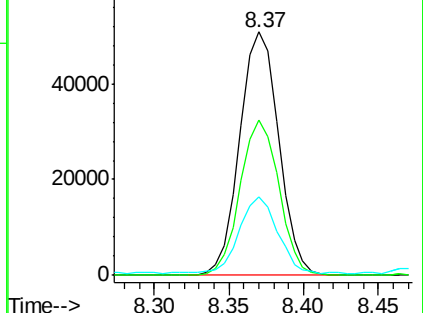
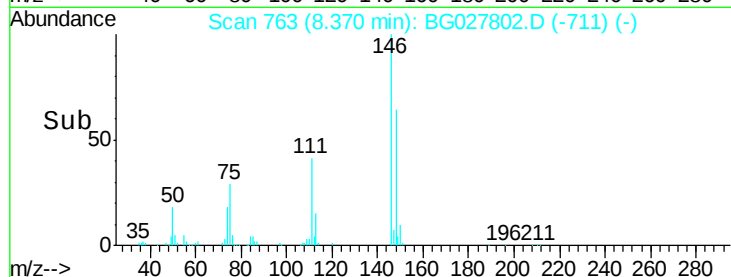
75 32.3 33.4 50.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 38.861 ng

RT: 8.52 min Scan# 788

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

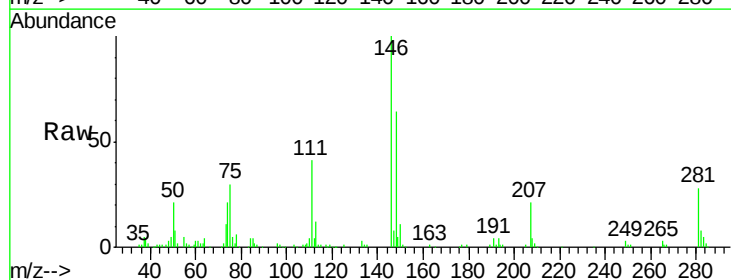
Tgt Ion:146 Resp: 96593

Ion Ratio Lower Upper

146 100

148 64.3 52.2 78.2

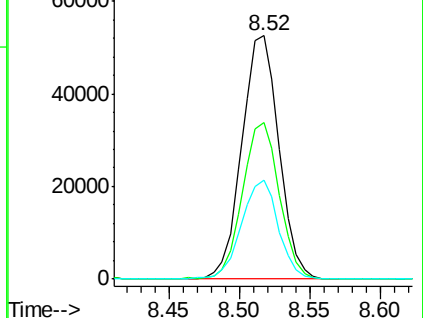
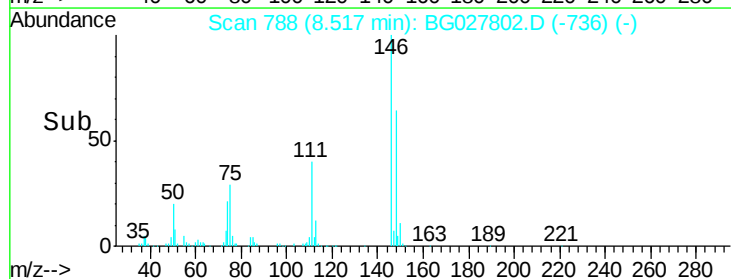
111 40.6 37.0 55.6

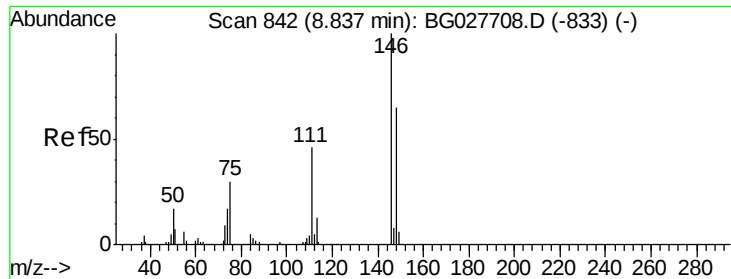


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 40.429 ng

RT: 8.83 min Scan# 842

Delta R.T. -0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

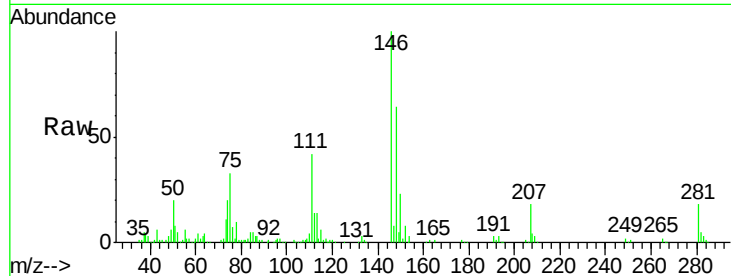
Tgt Ion:146 Resp: 97434

Ion Ratio Lower Upper

146 100

148 64.0 54.6 81.8

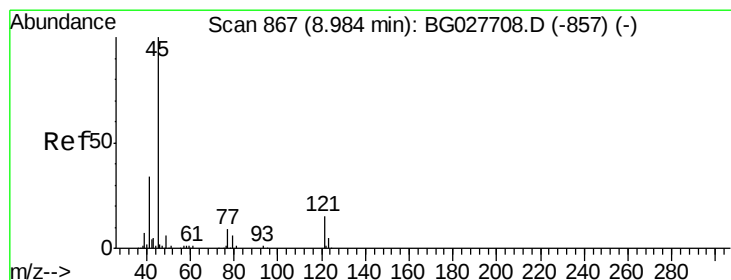
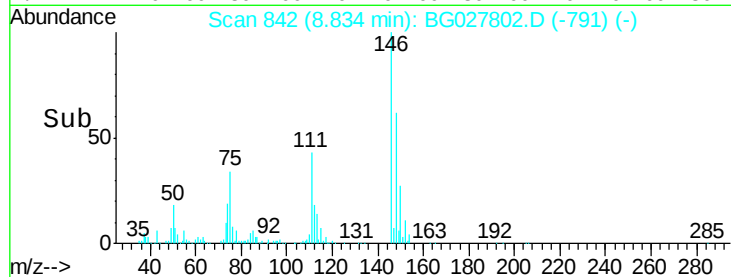
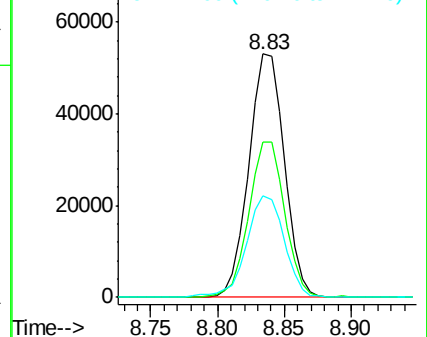
111 41.7 39.7 59.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.135 ng

RT: 8.99 min Scan# 868

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

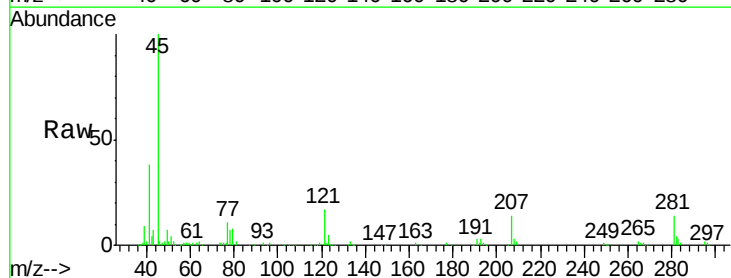
Tgt Ion: 45 Resp: 183521

Ion Ratio Lower Upper

45 100

77 11.1 0.0 30.6

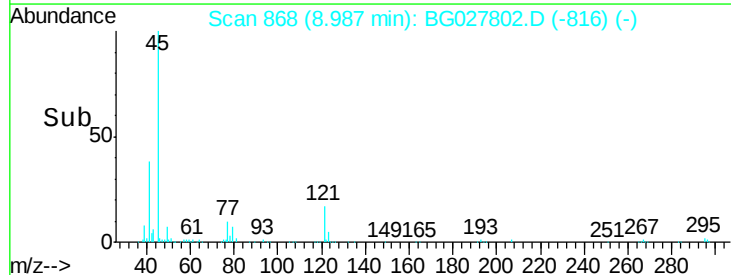
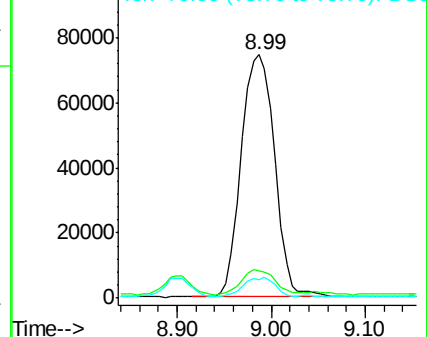
79 7.6 0.0 28.5

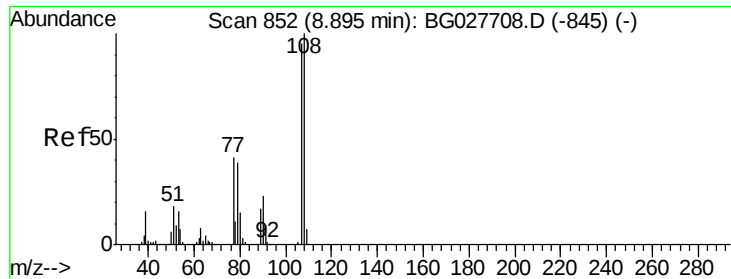


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

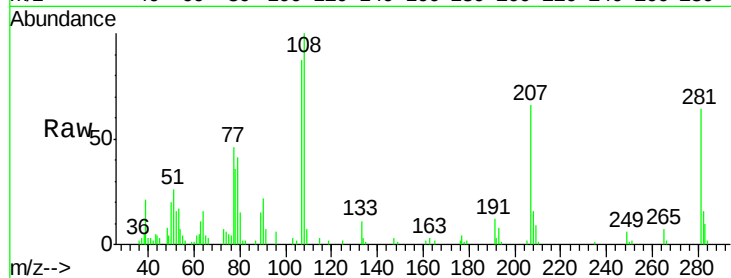




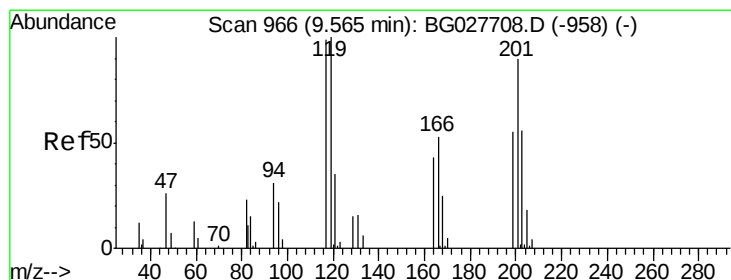
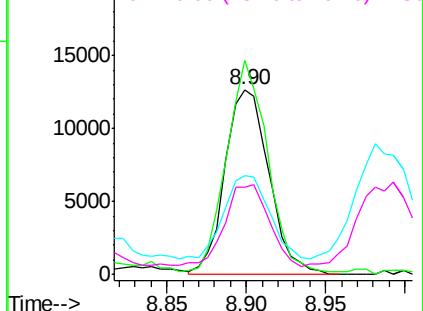
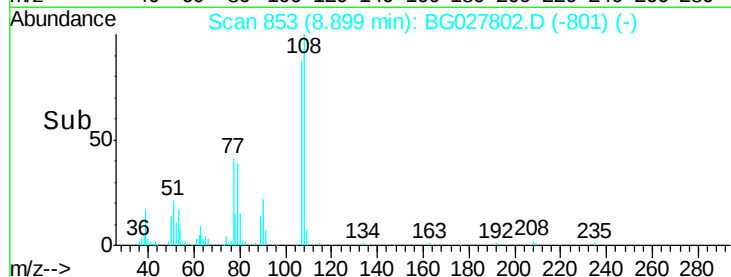
#17
2-Methylphenol
Concen: 11.270 ng
RT: 8.90 min Scan# 853
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

Tgt Ion:107 Resp: 24322
Ion Ratio Lower Upper
107 100
108 115.6 85.6 128.4
77 53.5 51.4 77.2
79 47.2 49.2 73.8#

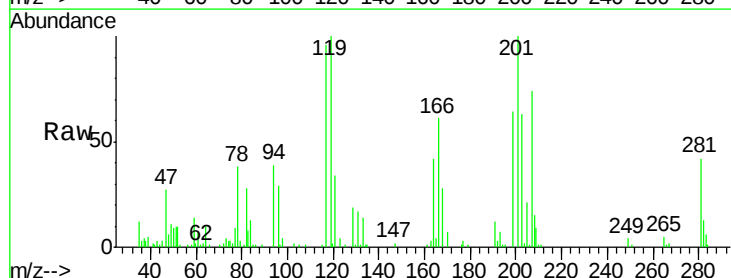


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

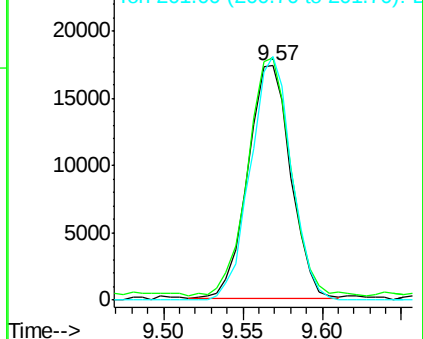
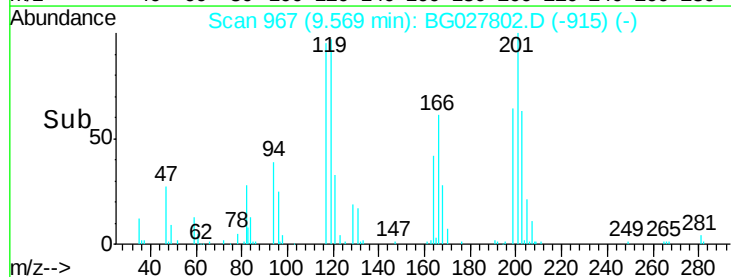


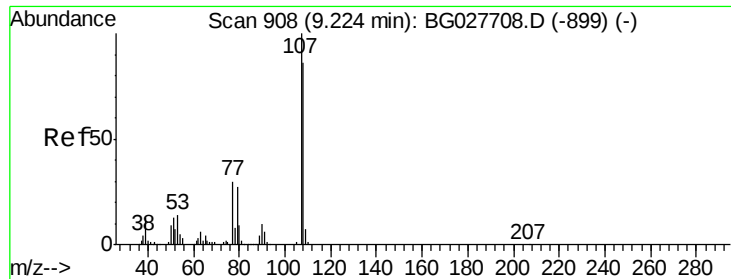
#18
Hexachloroethane
Concen: 36.988 ng
RT: 9.57 min Scan# 967
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:117 Resp: 32339
Ion Ratio Lower Upper
117 100
119 103.5 69.8 104.6
201 103.9 95.4 143.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

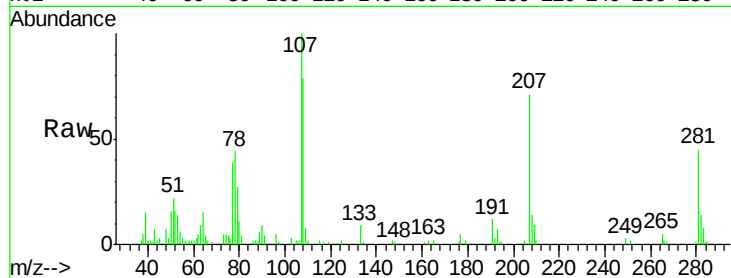




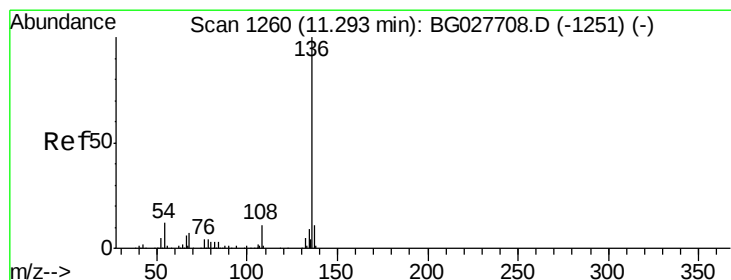
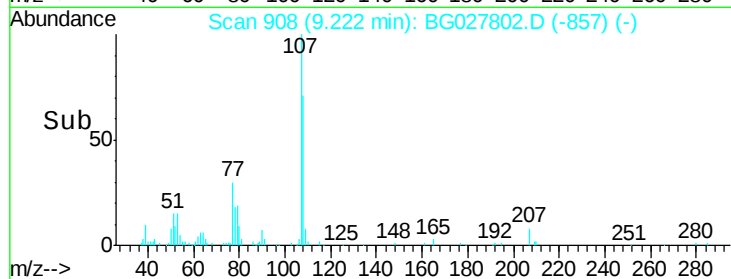
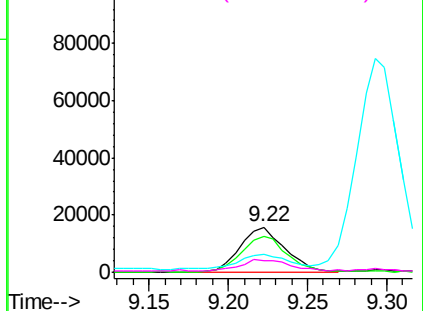
#20
3+4-Methylphenols
Concen: 9.889 ng
RT: 9.22 min Scan# 908
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

Tgt Ion:	107	Resp:	30776
Ion	Ratio	Lower	Upper
107	100		
108	78.8	70.8	110.8
77	39.0	25.8	65.8
79	26.8	20.1	60.1

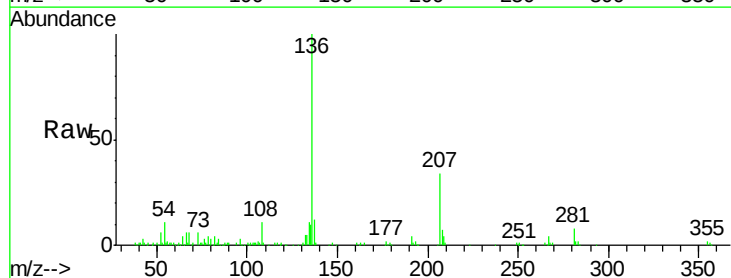


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

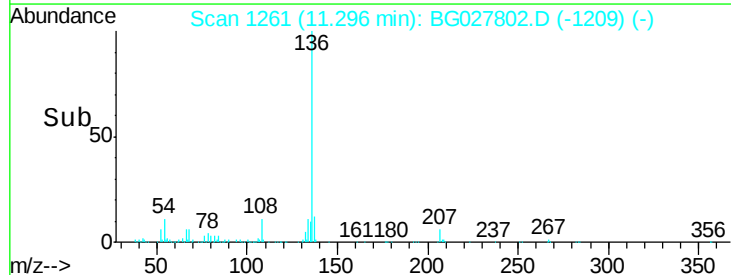
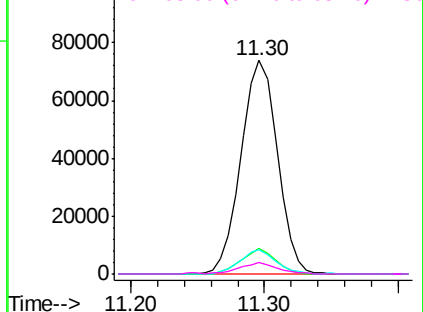


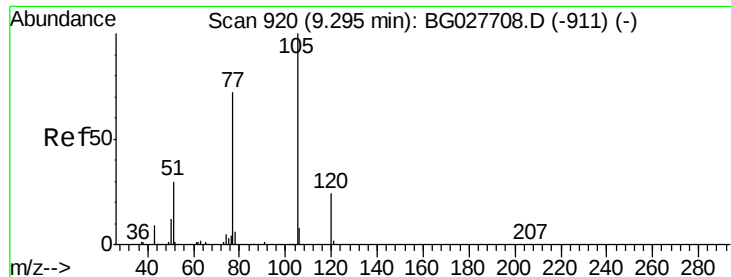
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:	136	Resp:	139488
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	11.5	9.3	13.9
68	5.6	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





#22

Acetophenone

Concen: 51.134 ng

RT: 9.29 min Scan# 920

Delta R.T. -0.00 min

Lab File: BG027802.D

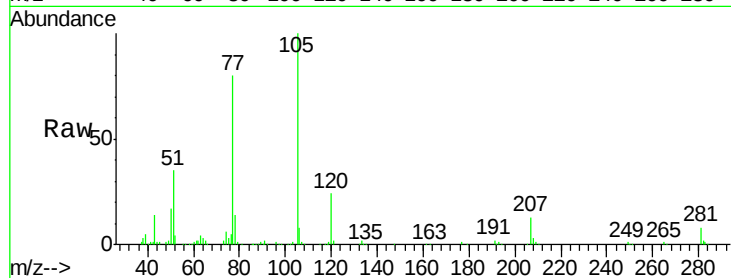
Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD



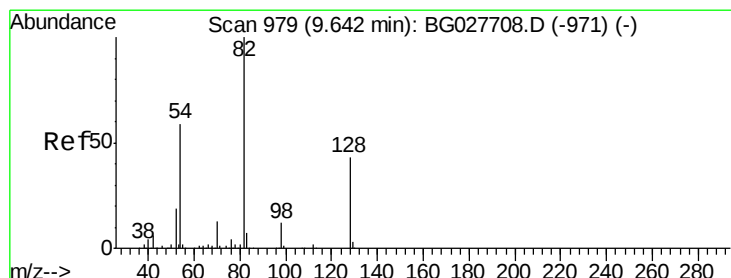
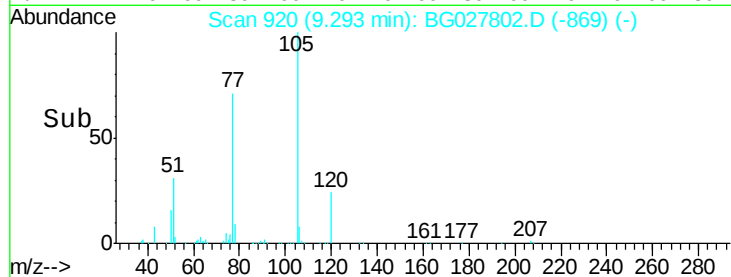
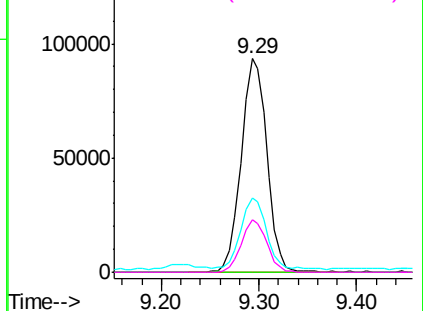
Tgt Ion:	105	Resp:	172114
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	34.5	34.0	51.0
120	24.4	17.3	25.9

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 94.692 ng

RT: 9.65 min Scan# 980

Delta R.T. 0.00 min

Lab File: BG027802.D

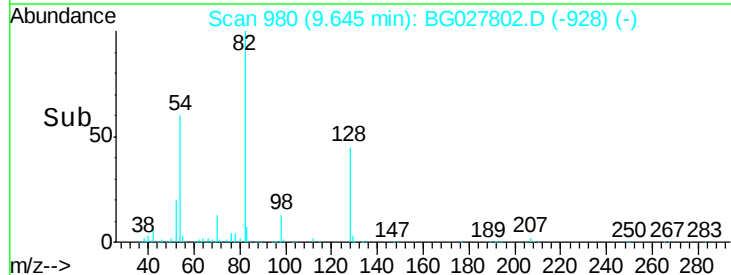
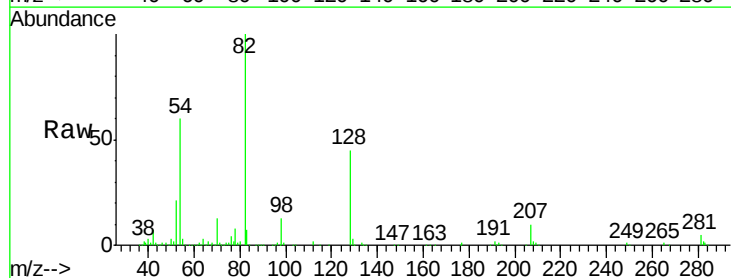
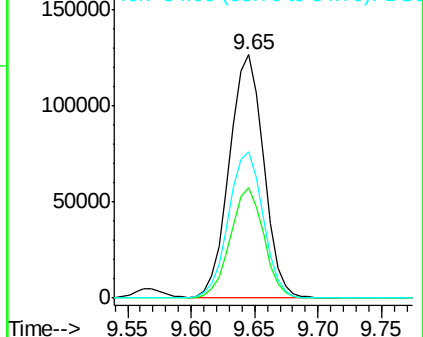
Acq: 2 Jul 2017 3:20

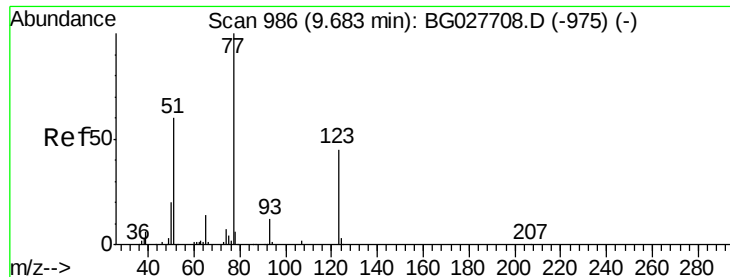
Tgt Ion:	82	Resp:	236962
Ion	Ratio	Lower	Upper
82	100		
128	45.2	26.4	39.6#
54	60.3	49.4	74.2

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

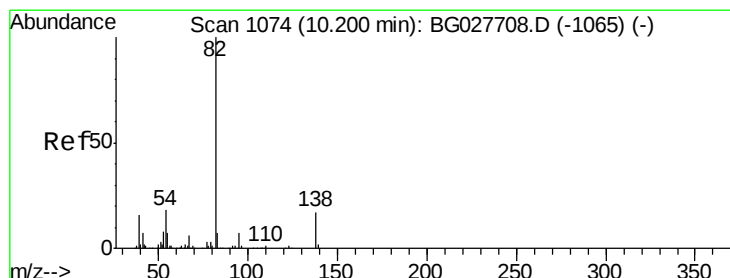
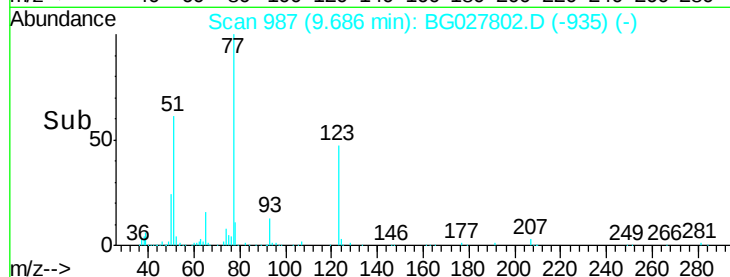
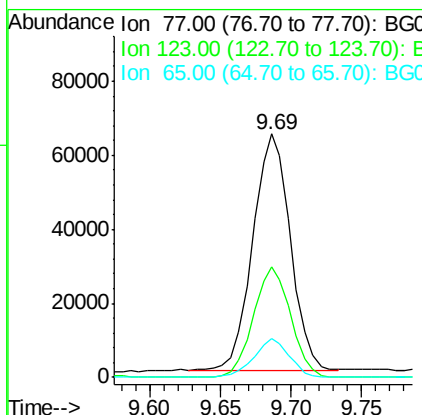
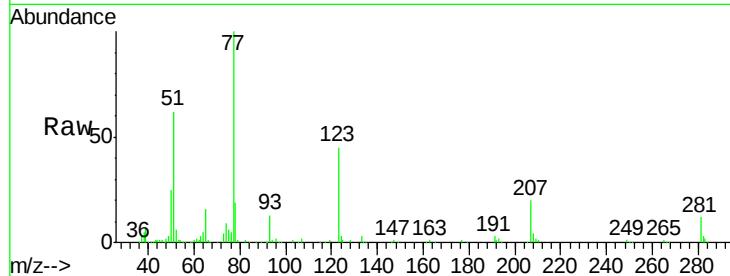




#24
 Nitrobenzene
 Concen: 45.557 ng
 RT: 9.69 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

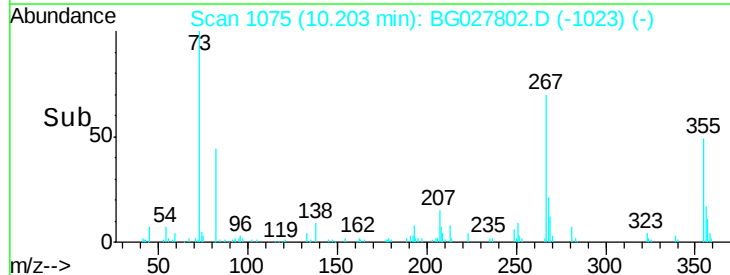
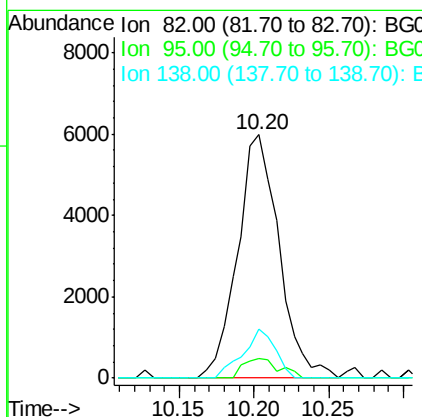
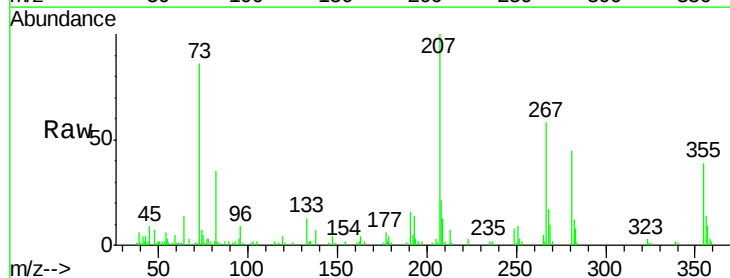
Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

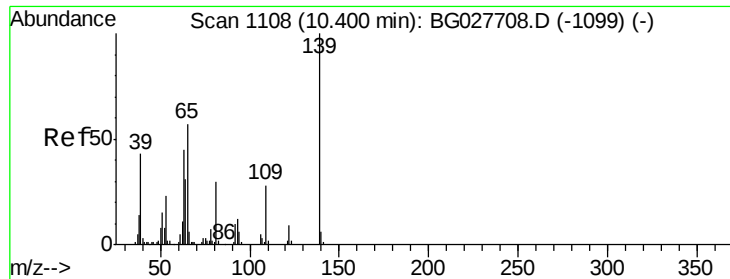
Tgt Ion: 77 Resp: 119187
 Ion Ratio Lower Upper
 77 100
 123 45.5 26.1 39.1#
 65 15.8 12.4 18.6



#25
 Isophorone
 Concen: 2.117 ng
 RT: 10.20 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Tgt Ion: 82 Resp: 11545
 Ion Ratio Lower Upper
 82 100
 95 7.9 7.5 11.3
 138 20.4 12.3 18.5#

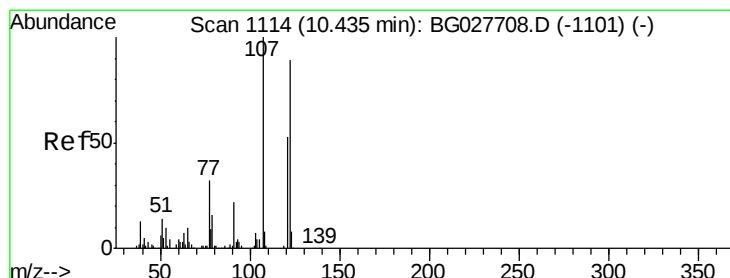
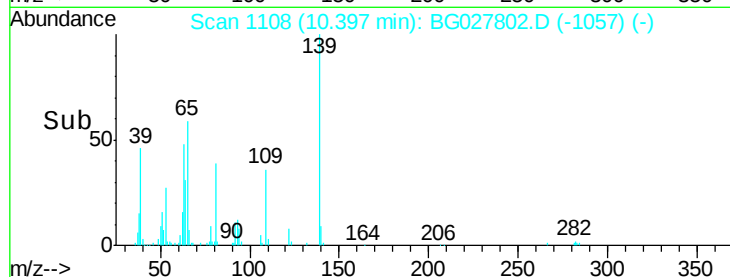
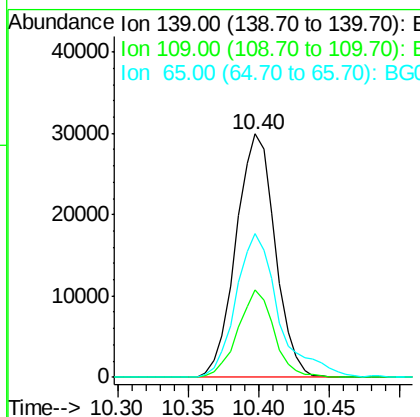
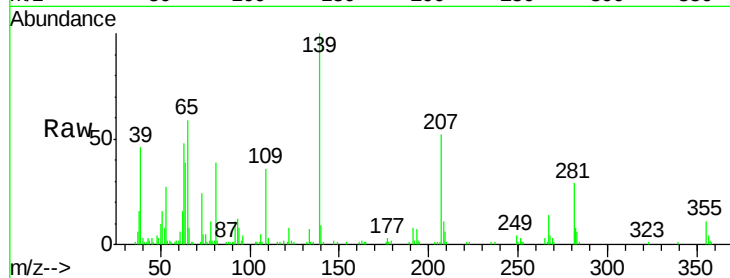




#26
2-Nitrophenol
Concen: 49.013 ng
RT: 10.40 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

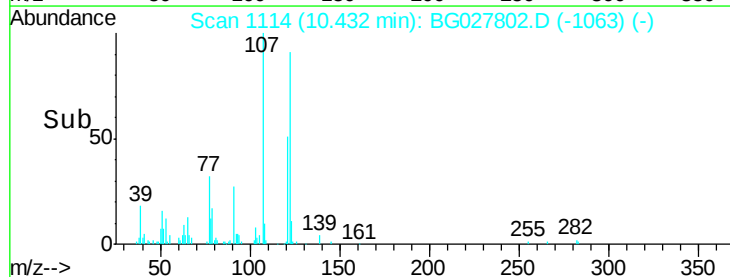
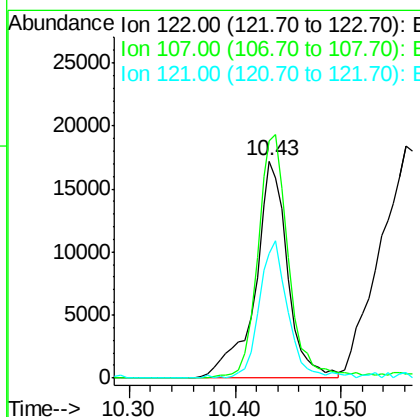
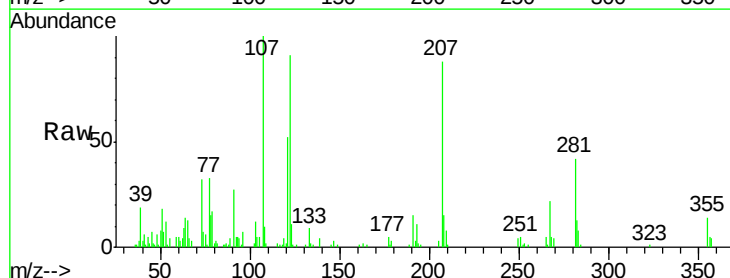
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

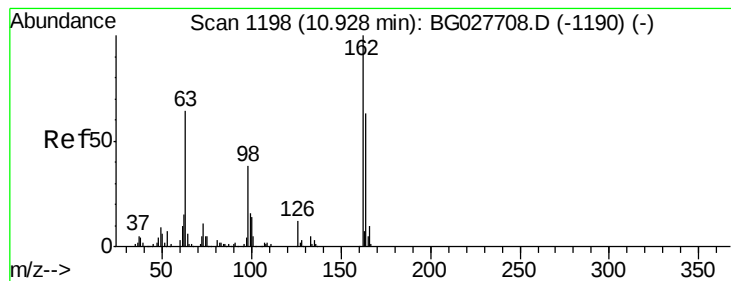
Tgt Ion:139 Resp: 57920
Ion Ratio Lower Upper
139 100
109 36.0 38.6 58.0#
65 58.8 57.1 85.7



#27
2,4-Dimethylphenol
Concen: 16.686 ng
RT: 10.43 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:122 Resp: 36932
Ion Ratio Lower Upper
122 100
107 109.4 104.2 156.4
121 57.2 46.0 69.0





#29

2,4-Dichlorophenol

Concen: 53.895 ng

RT: 10.93 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

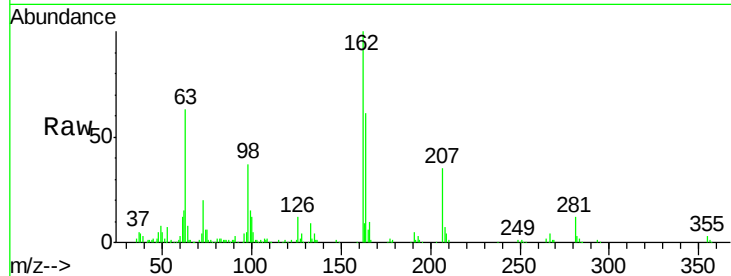
Tgt Ion:162 Resp: 104541

Ion Ratio Lower Upper

162 100

164 60.9 42.4 82.4

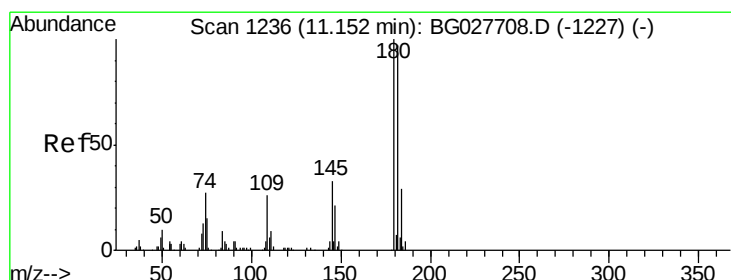
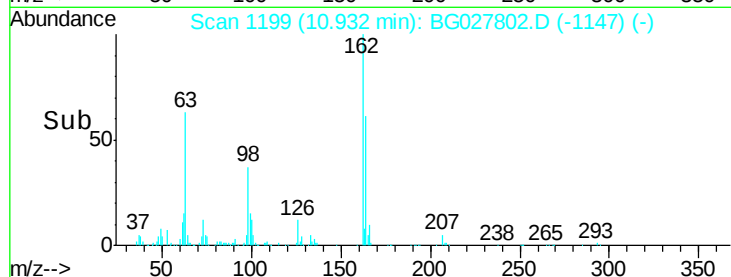
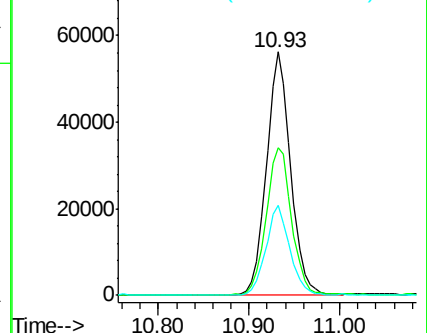
98 36.9 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 47.945 ng

RT: 11.16 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

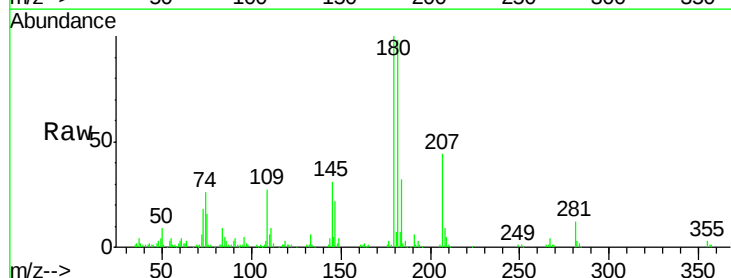
Tgt Ion:180 Resp: 94849

Ion Ratio Lower Upper

180 100

182 98.2 77.0 115.4

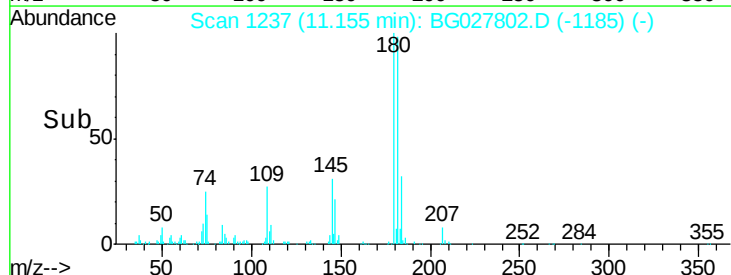
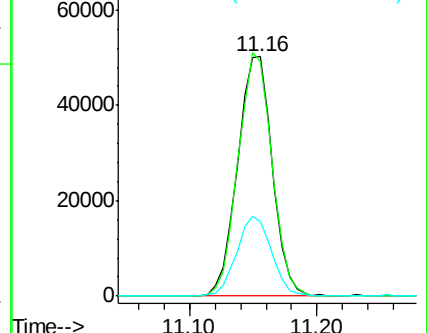
145 31.4 23.4 35.0

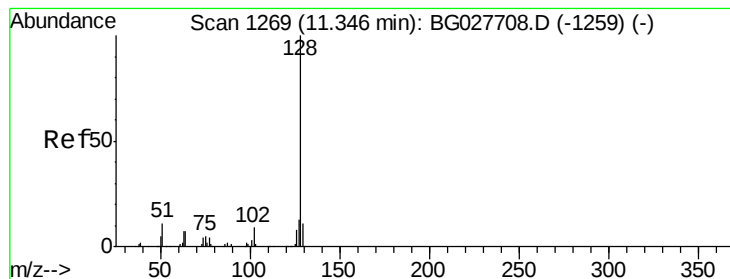


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

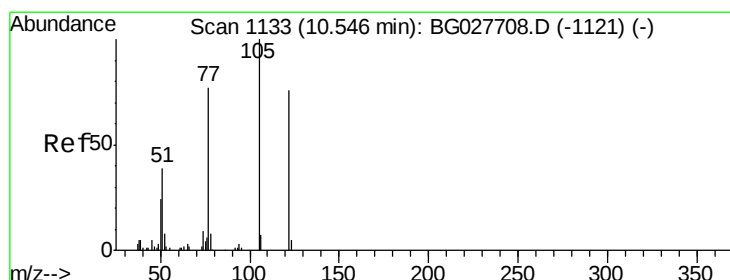
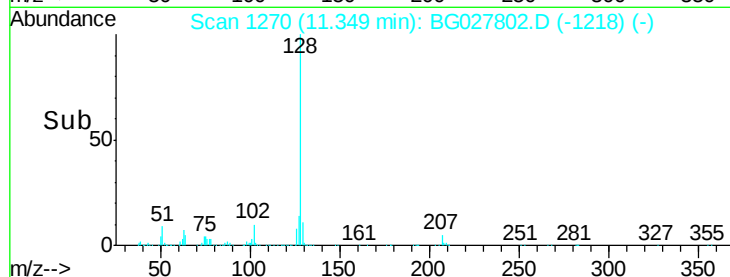
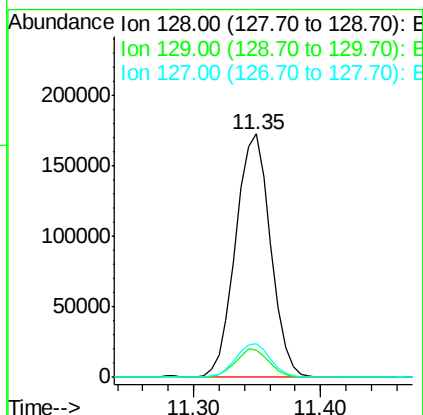
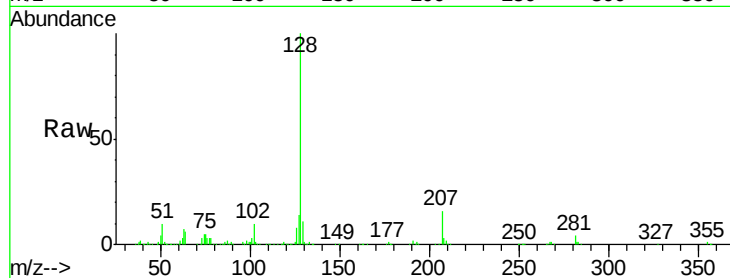




#31
Naphthalene
Concen: 44.433 ng
RT: 11.35 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

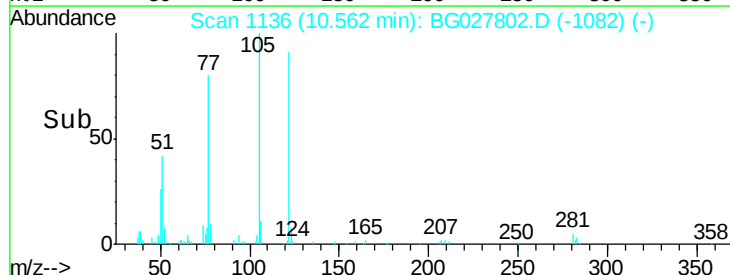
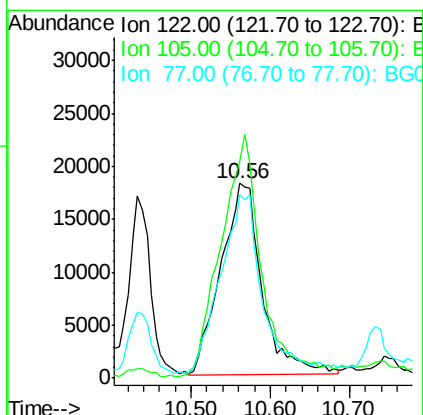
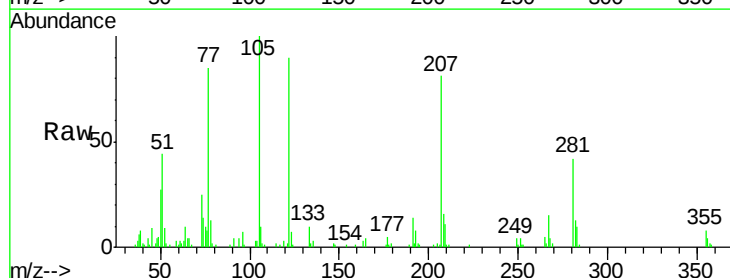
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

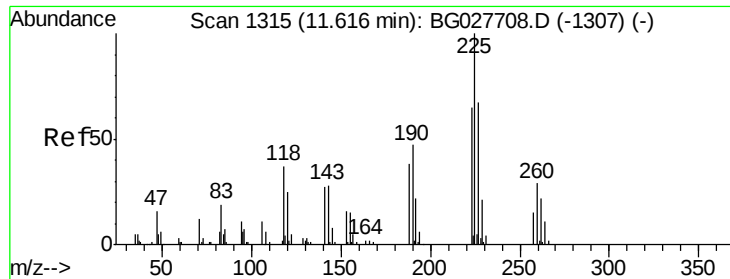
Tgt Ion:128 Resp: 329598
Ion Ratio Lower Upper
128 100
129 11.4 9.3 13.9
127 13.6 11.4 17.0



#32
Benzoic acid
Concen: 47.809 ng
RT: 10.56 min Scan# 1136
Delta R.T. 0.02 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:122 Resp: 64620
Ion Ratio Lower Upper
122 100
105 111.5 120.1 160.1#
77 94.4 104.6 144.6#

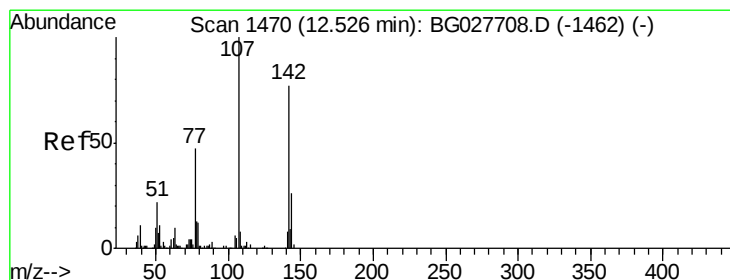
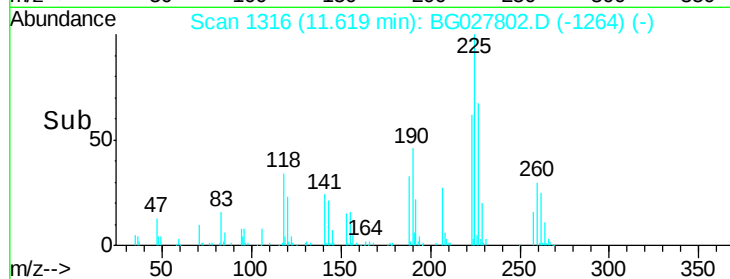
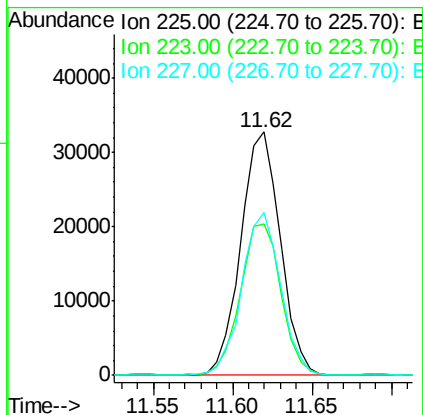
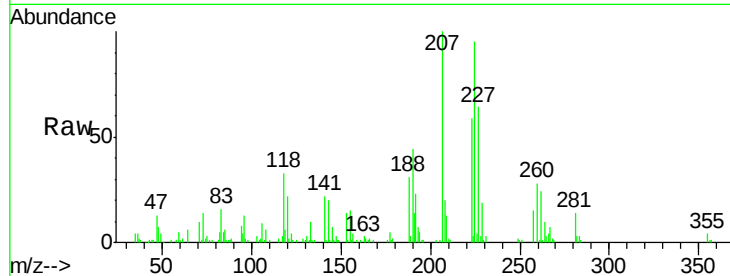




#34
Hexachlorobutadiene
Concen: 51.489 ng
RT: 11.62 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

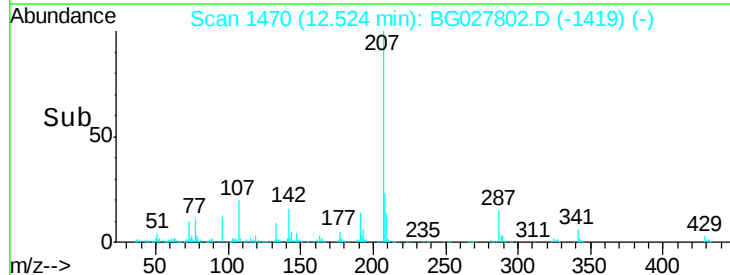
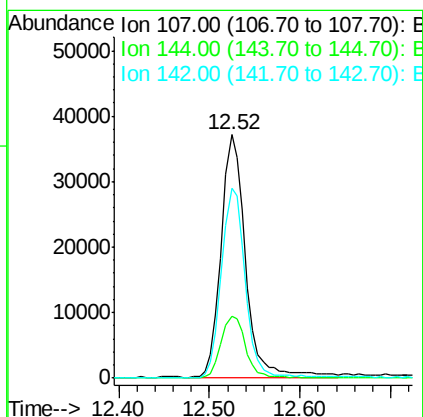
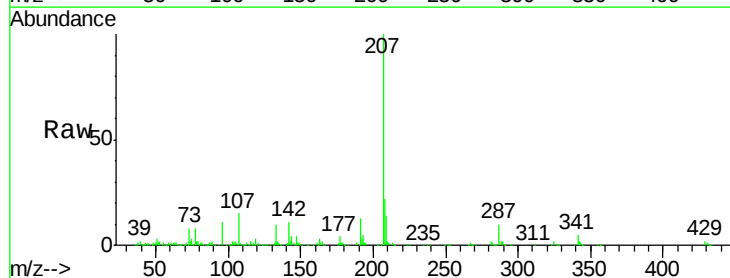
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

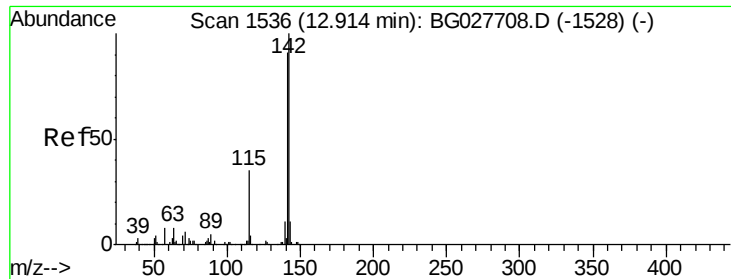
Tgt Ion:225 Resp: 56756
Ion Ratio Lower Upper
225 100
223 62.3 50.7 76.1
227 67.0 49.0 73.6



#36
4-Chloro-3-methylphenol
Concen: 25.891 ng
RT: 12.52 min Scan# 1470
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:107 Resp: 70670
Ion Ratio Lower Upper
107 100
144 25.6 17.4 26.0
142 78.1 54.1 81.1

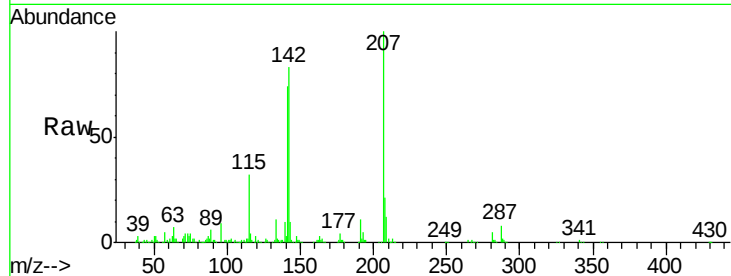




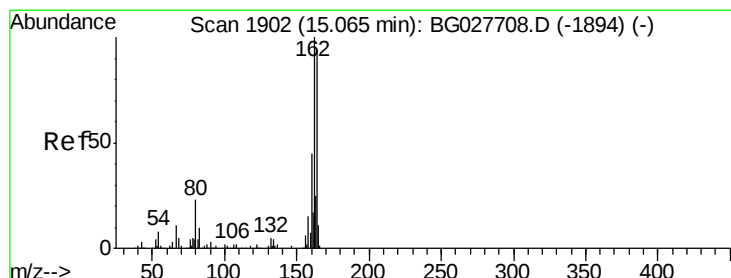
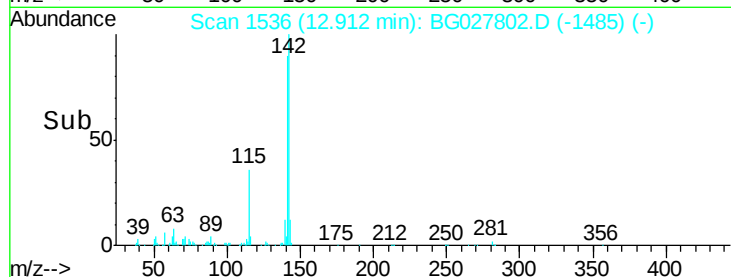
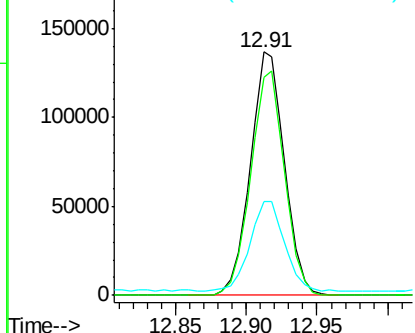
#37
2-Methylnaphthalene
Concen: 41.877 ng
RT: 12.91 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

Tgt Ion:142 Resp: 231372
Ion Ratio Lower Upper
142 100
141 89.7 70.4 105.6
115 38.7 35.5 53.3

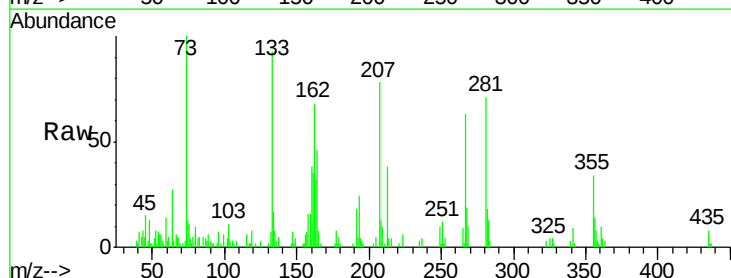


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

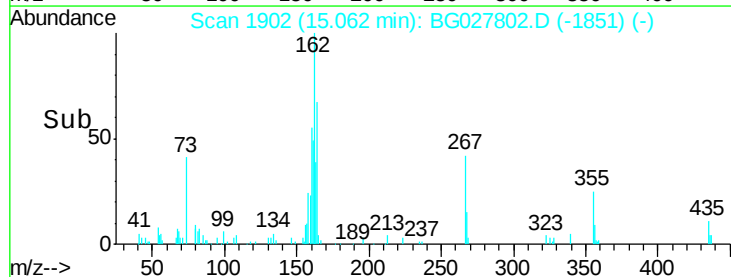
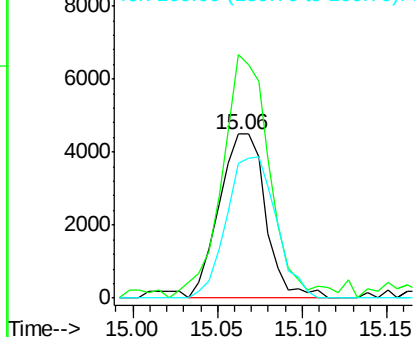


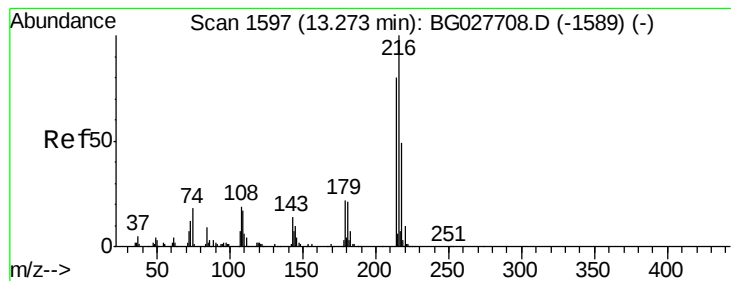
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.06 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:164 Resp: 8575
Ion Ratio Lower Upper
164 100
162 148.5 85.1 127.7#
160 82.3 34.7 52.1#



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: 511.762 ng

RT: 13.28 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

Tgt Ion:216 Resp: 115317

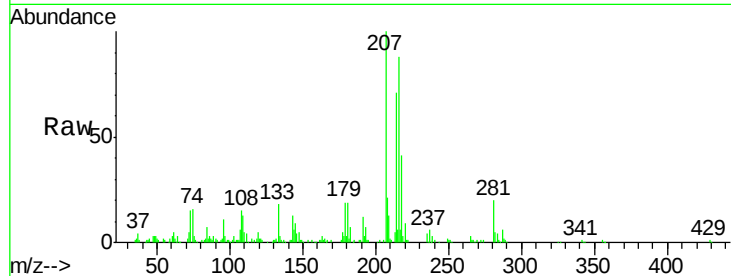
Ion Ratio Lower Upper

216 100

214 78.6 64.4 96.6

179 22.1 17.4 26.0

108 21.3 15.6 23.4

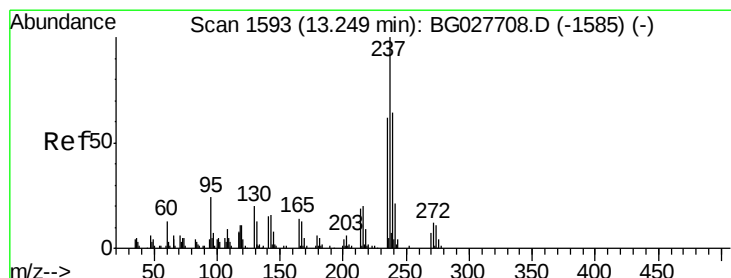
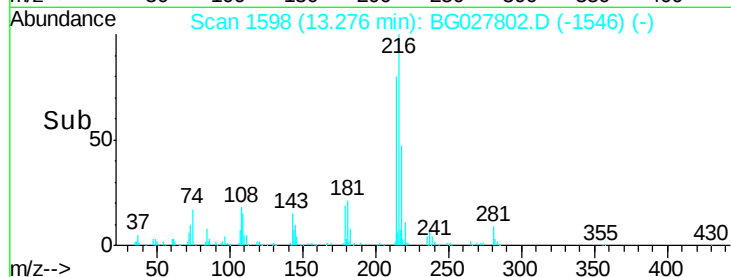
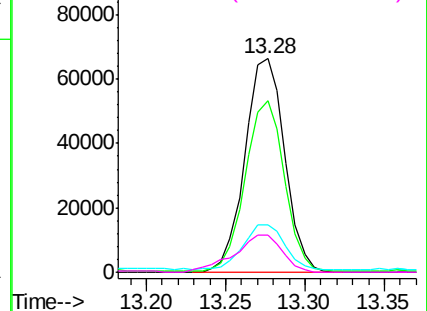


Abundance Ion 216.00 (215.70 to 216.70): E

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: 1449.977 ng

RT: 13.25 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

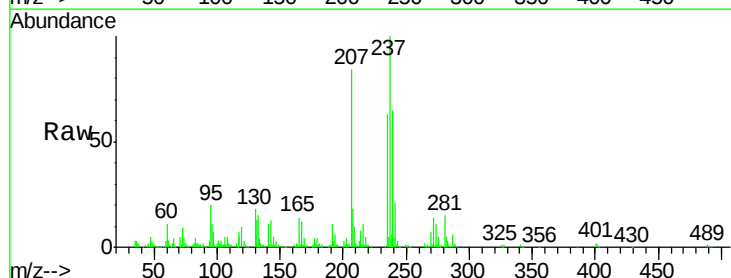
Tgt Ion:237 Resp: 154047

Ion Ratio Lower Upper

237 100

235 62.9 39.4 79.4

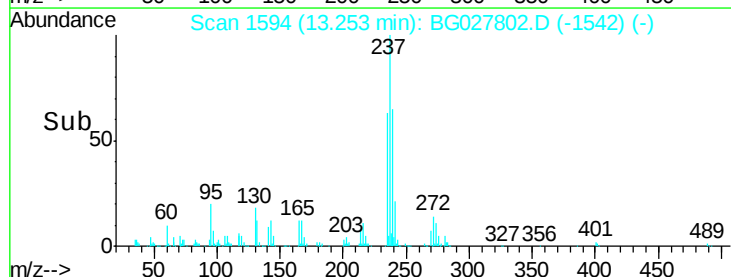
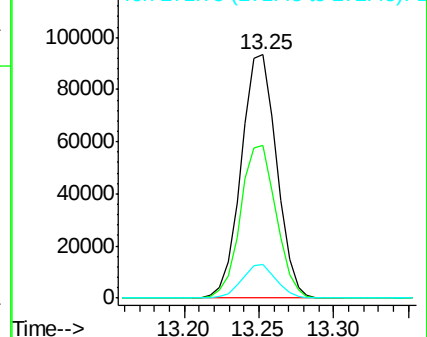
272 14.0 0.0 32.0

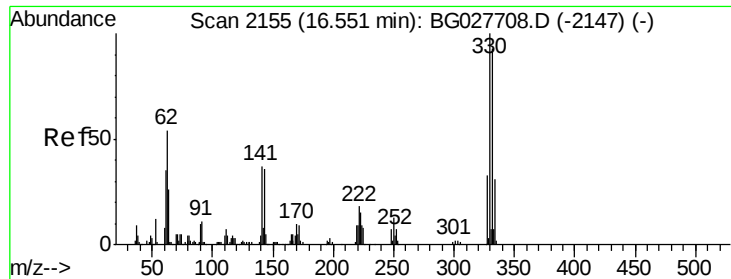


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

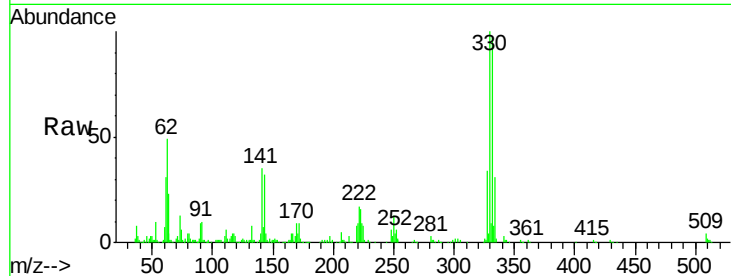




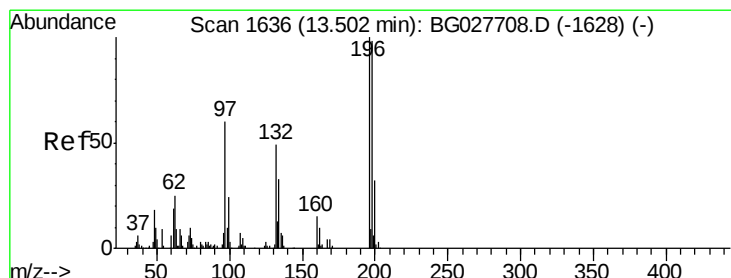
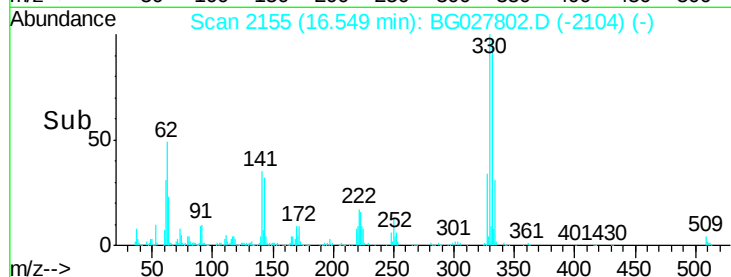
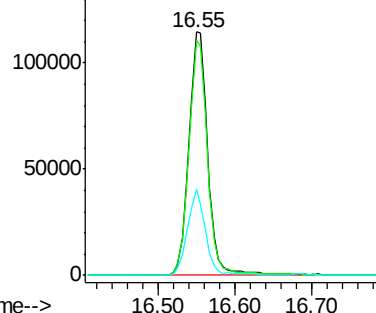
#41
 2,4,6-Tribromophenol
 Concen: 1642.055 ng
 RT: 16.55 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

Tgt Ion:330 Resp: 193131
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.3 115.9
 141 33.4 32.1 48.1

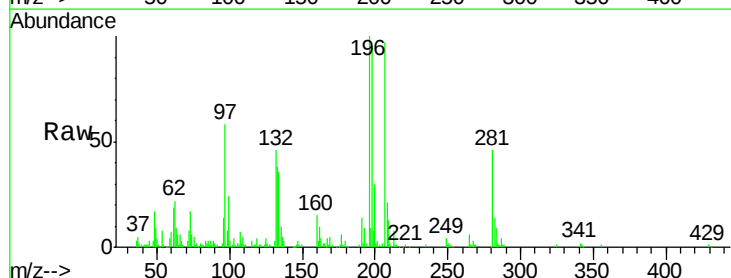


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

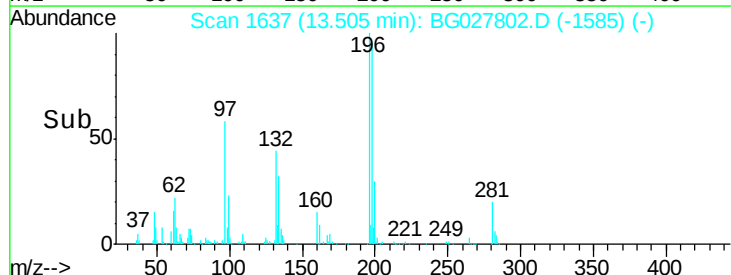
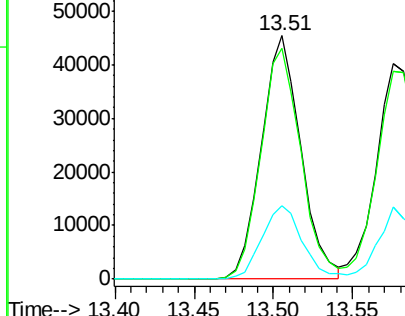


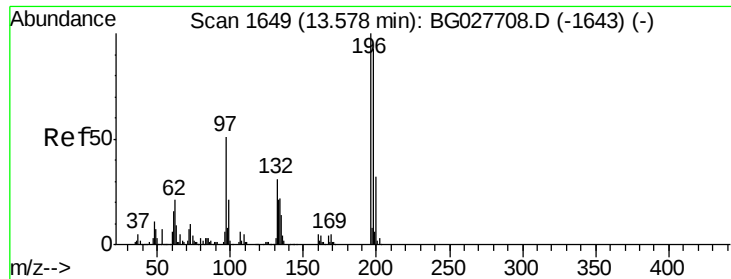
#42
 2,4,6-Trichlorophenol
 Concen: 485.217 ng
 RT: 13.51 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Tgt Ion:196 Resp: 78967
 Ion Ratio Lower Upper
 196 100
 198 95.0 81.4 122.2
 200 30.3 27.0 40.6



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

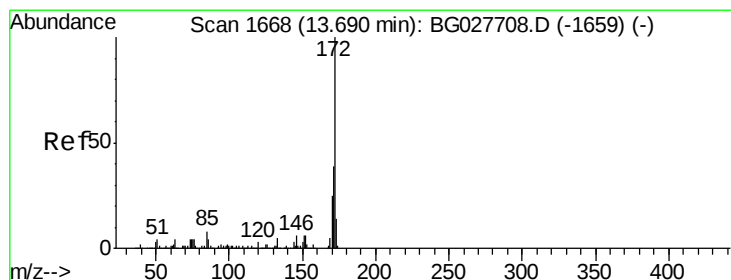
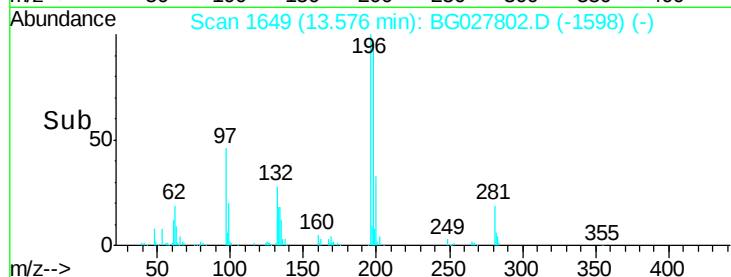
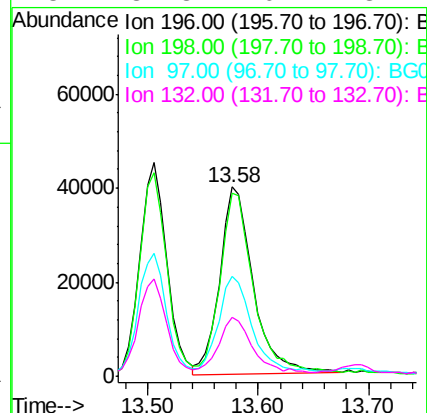
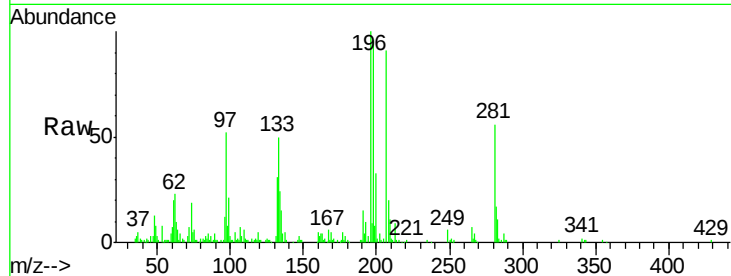




#43
 2,4,5-Trichlorophenol
 Concen: 453.973 ng
 RT: 13.58 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

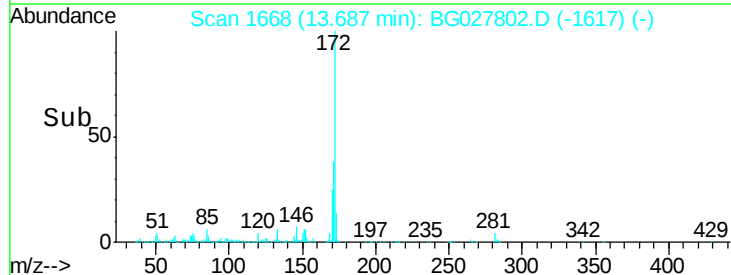
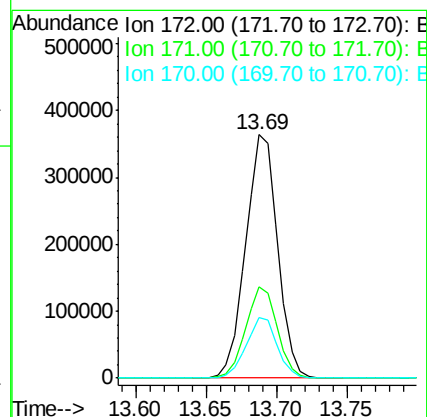
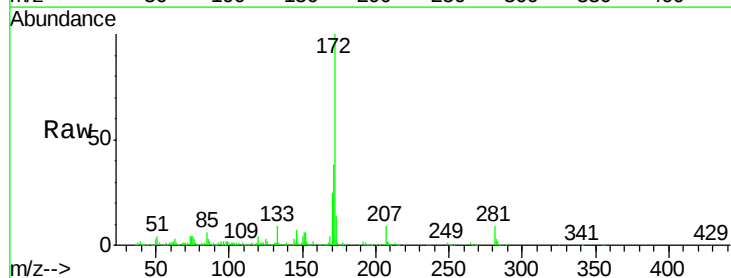
Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

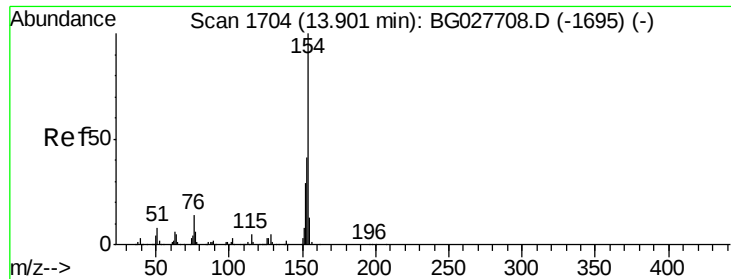
Tgt Ion:	196	Resp:	83715
Ion	Ratio	Lower	Upper
196	100		
198	96.4	79.9	119.9
97	52.5	45.4	68.0
132	31.3	20.7	31.1#



#44
 2-Fluorobiphenyl
 Concen: 957.661 ng
 RT: 13.69 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Tgt Ion:	172	Resp:	574998
Ion	Ratio	Lower	Upper
172	100		
171	37.6	32.2	48.2
170	24.8	21.8	32.6

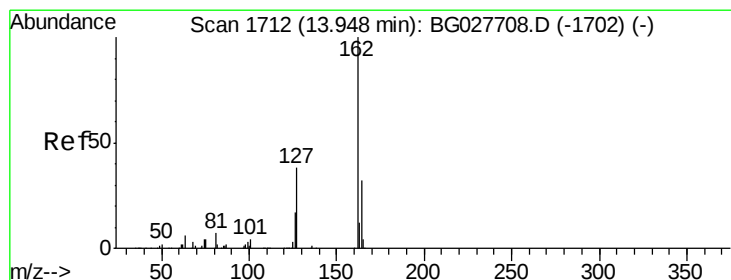
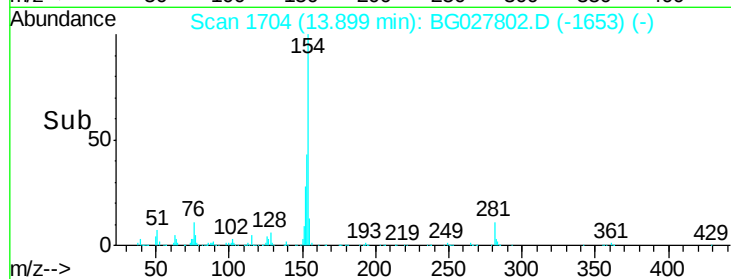
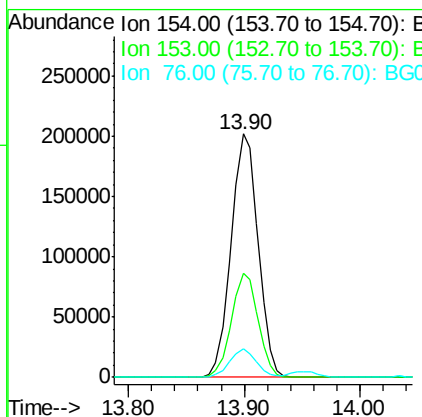
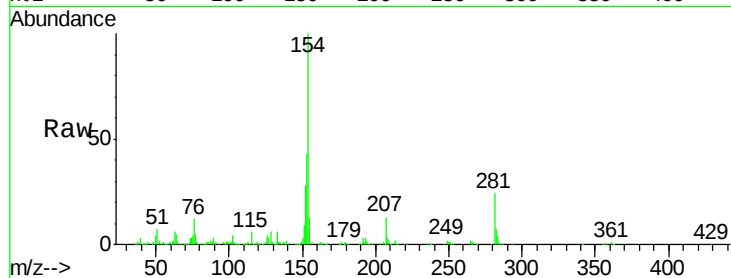




#45
 1,1'-Biphenyl
 Concen: 475.109 ng
 RT: 13.90 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

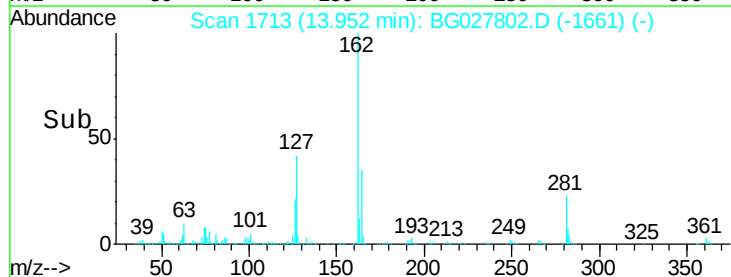
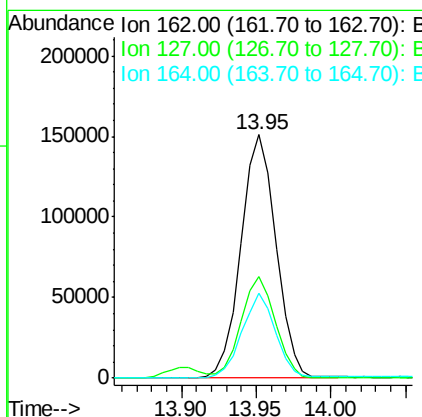
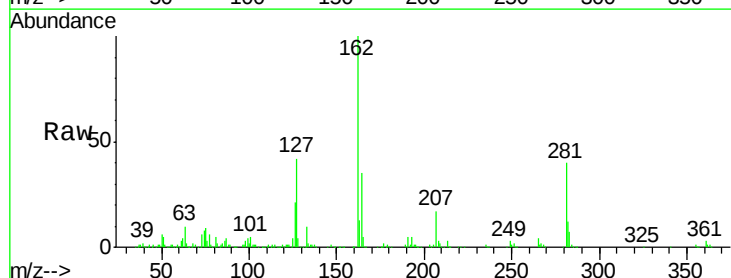
Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

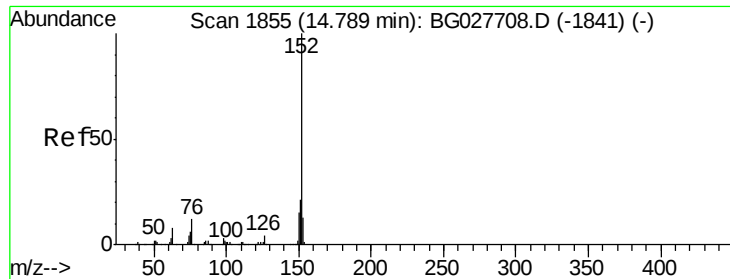
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.6	23.0	63.0
76	11.6	0.0	33.5



#46
 2-Chloronaphthalene
 Concen: 470.213 ng
 RT: 13.95 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.2	48.4
164	34.9	27.3	40.9





#48

Acenaphthylene

Concen: 11.414 ng

RT: 14.79 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

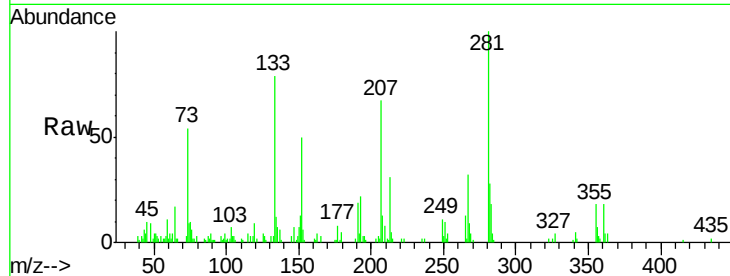
Tgt Ion:152 Resp: 10829

Ion Ratio Lower Upper

152 100

151 26.8 18.2 27.2

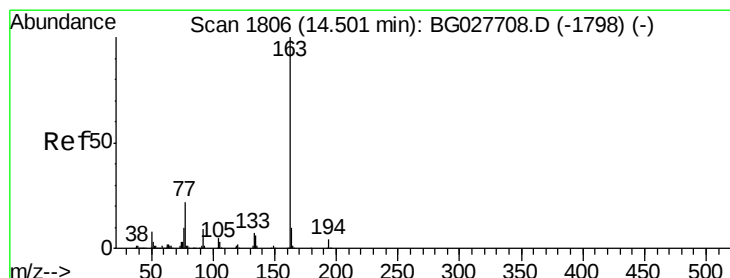
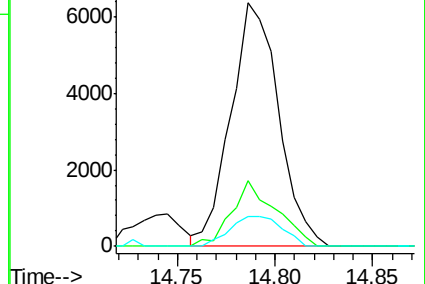
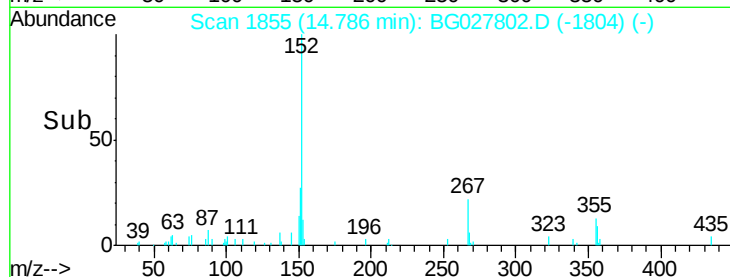
153 12.5 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 38.417 ng

RT: 14.50 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

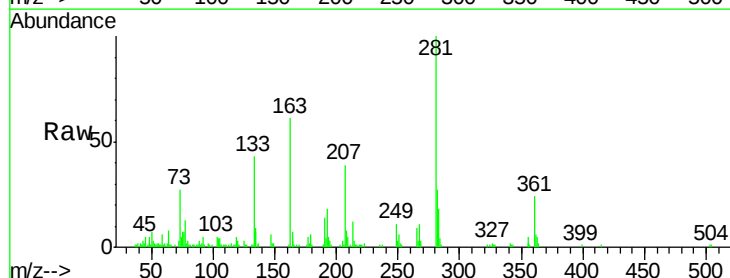
Tgt Ion:163 Resp: 28102

Ion Ratio Lower Upper

163 100

194 8.7 3.8 5.6#

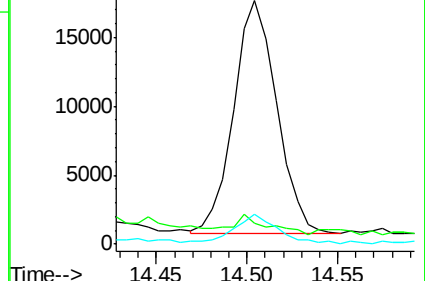
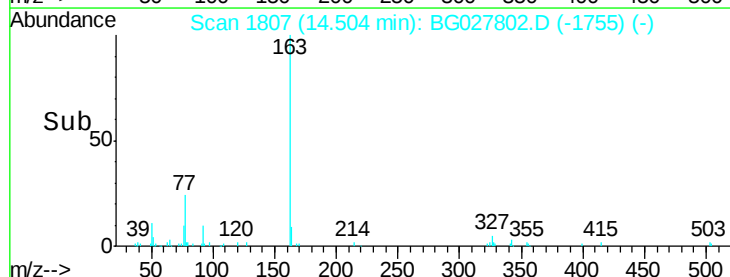
164 12.0 9.3 13.9

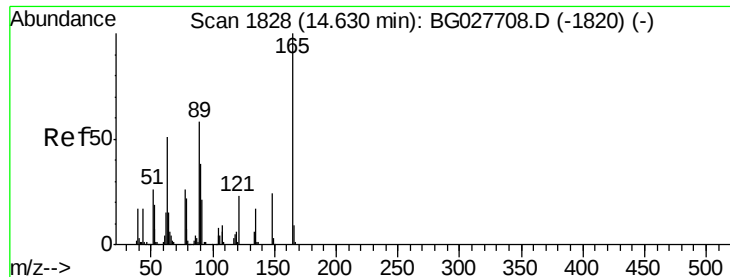


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

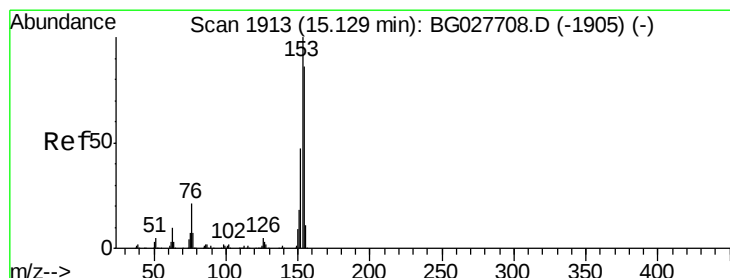
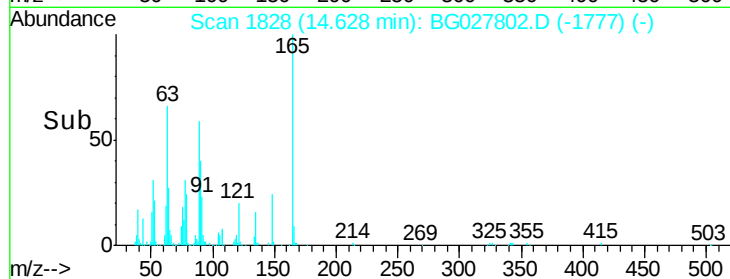
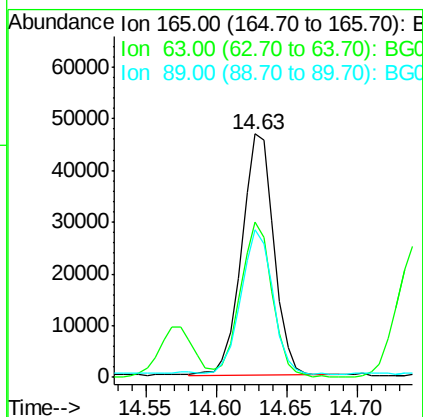
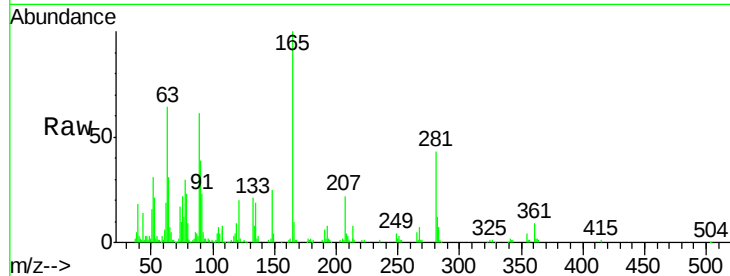




#50
2,6-Dinitrotoluene
Concen: 465.340 ng
RT: 14.63 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

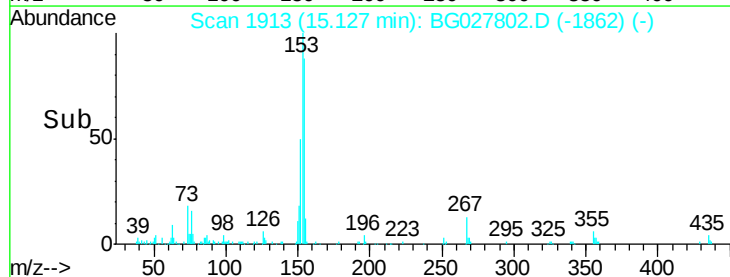
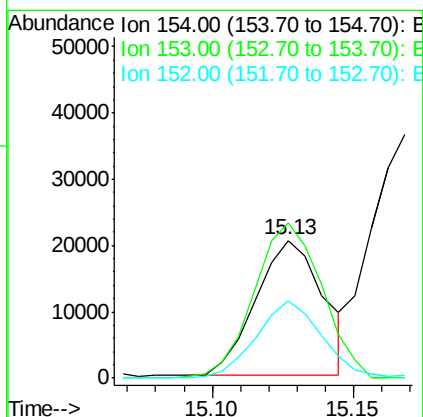
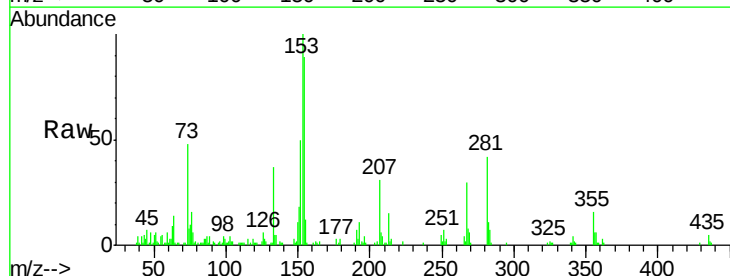
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

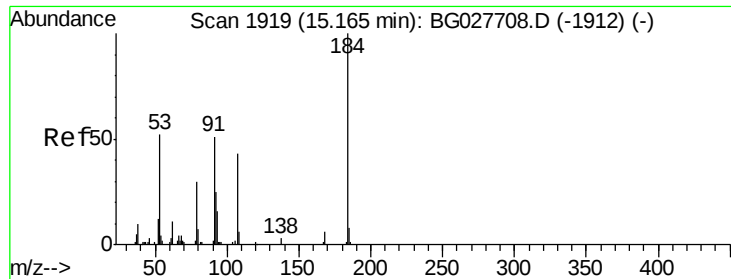
Tgt Ion:165 Resp: 73997
Ion Ratio Lower Upper
165 100
63 63.7 63.9 95.9#
89 60.6 58.6 88.0



#51
Acenaphthene
Concen: 55.585 ng
RT: 15.13 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:154 Resp: 33800
Ion Ratio Lower Upper
154 100
153 112.4 87.8 131.6
152 55.9 42.2 63.4

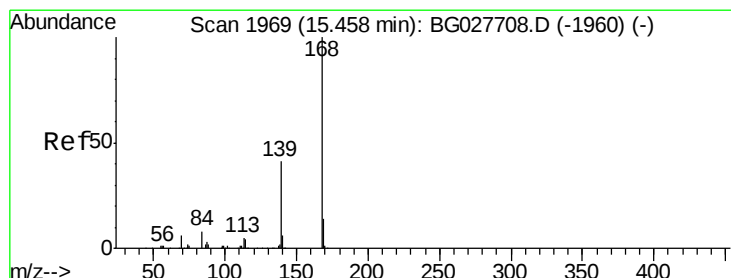
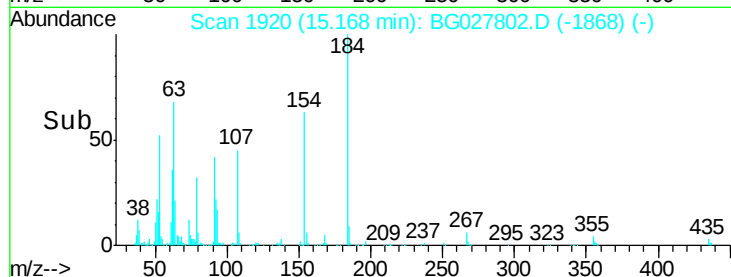
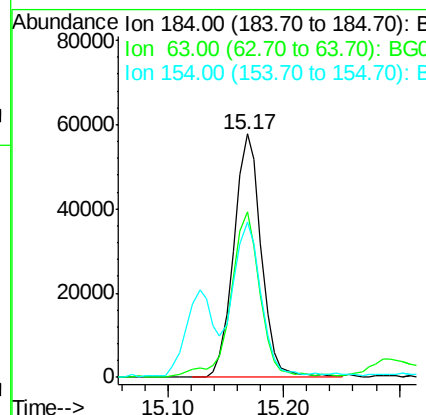
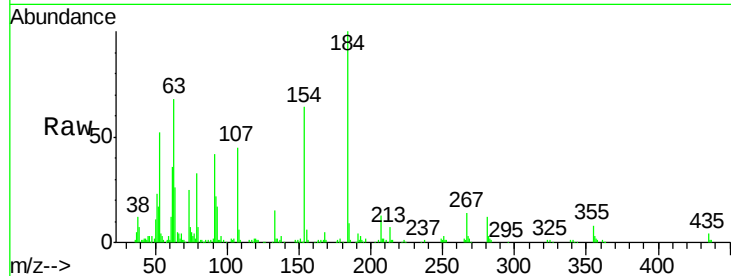




#53
2,4-Dinitrophenol
Concen: 984.404 ng
RT: 15.17 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

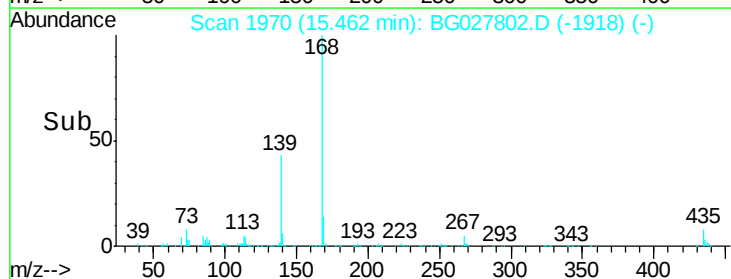
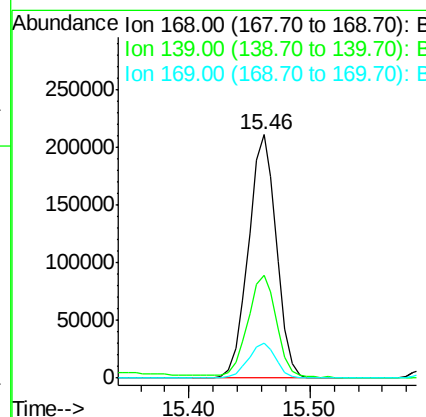
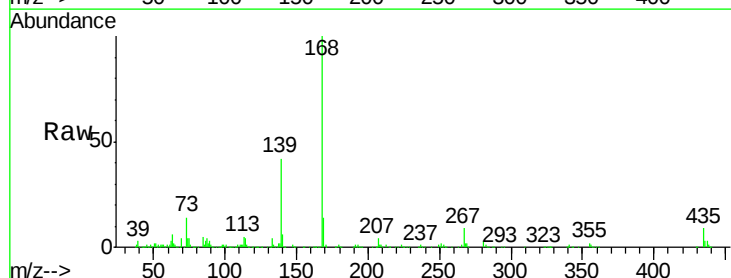
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

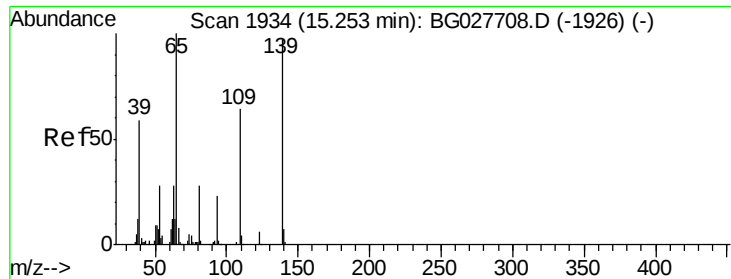
Tgt Ion:184 Resp: 95384
Ion Ratio Lower Upper
184 100
63 68.2 52.7 79.1
154 63.6 57.3 85.9



#54
Dibenzofuran
Concen: 421.399 ng
RT: 15.46 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:168 Resp: 338824
Ion Ratio Lower Upper
168 100
139 42.4 35.3 52.9
169 14.2 11.5 17.3

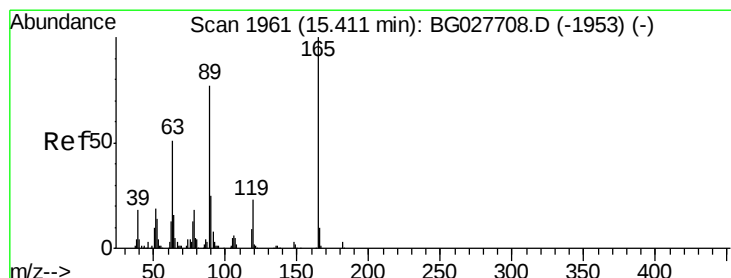
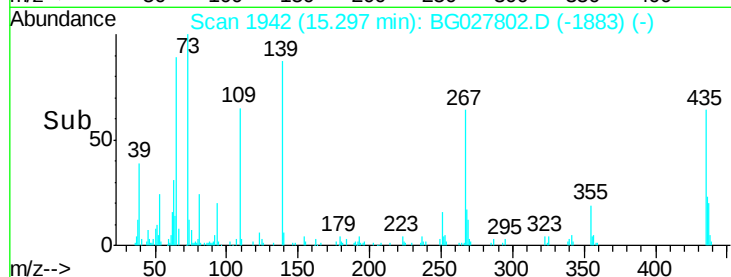
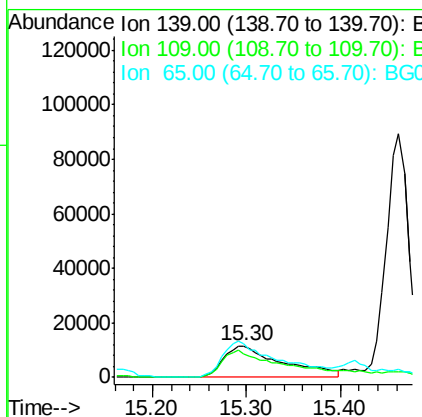
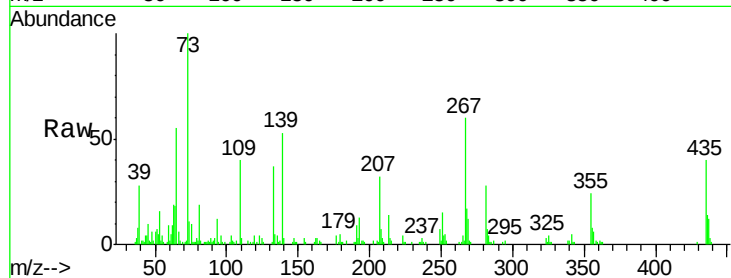




#55
4-Nitrophenol
Concen: 353.784 ng
RT: 15.30 min Scan# 1942
Delta R.T. 0.04 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

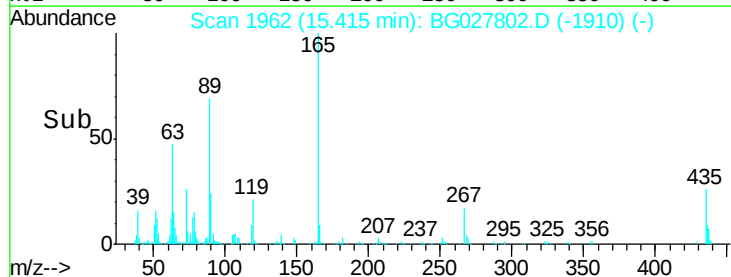
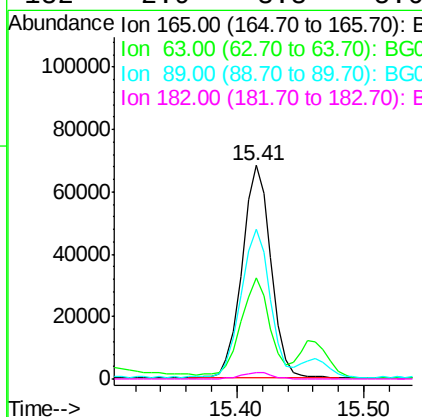
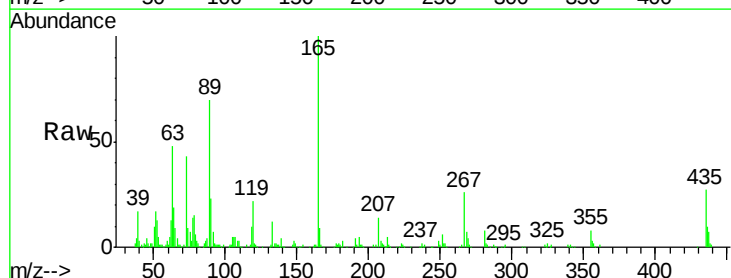
Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

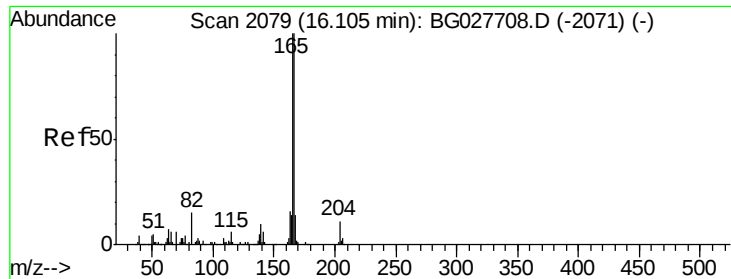
Tgt Ion:139 Resp: 50522
Ion Ratio Lower Upper
139 100
109 75.2 101.2 141.2#
65 105.0 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 481.905 ng
RT: 15.41 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:165 Resp: 106884
Ion Ratio Lower Upper
165 100
63 47.5 44.0 66.0
89 69.9 67.3 100.9
182 2.9 3.8 5.6#





#57

Fluorene

Concen: 216.094 ng

RT: 16.11 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

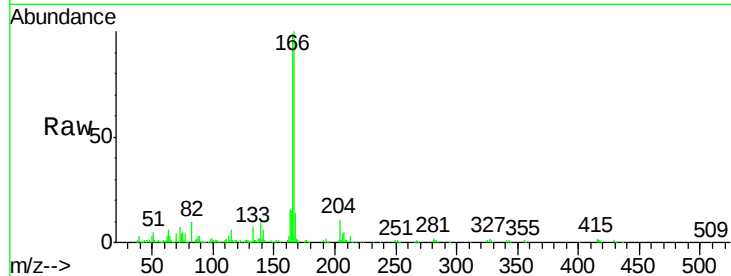
Tgt Ion:166 Resp: 168465

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

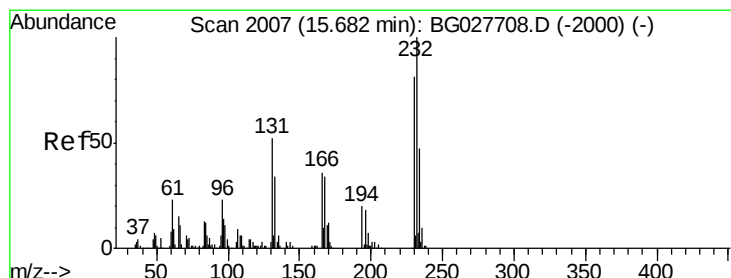
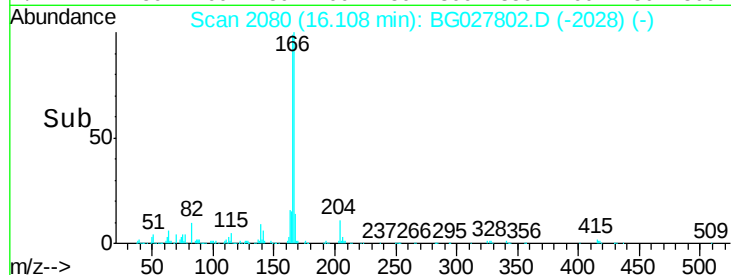
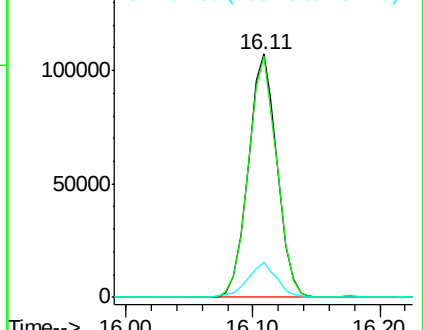
167 14.4 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 484.739 ng

RT: 15.69 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Tgt Ion:232 Resp: 77056

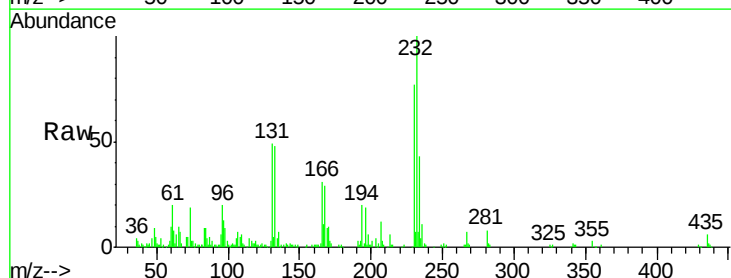
Ion Ratio Lower Upper

232 100

131 47.9 34.9 52.3

130 3.1 2.3 3.5

166 31.5 24.2 36.4

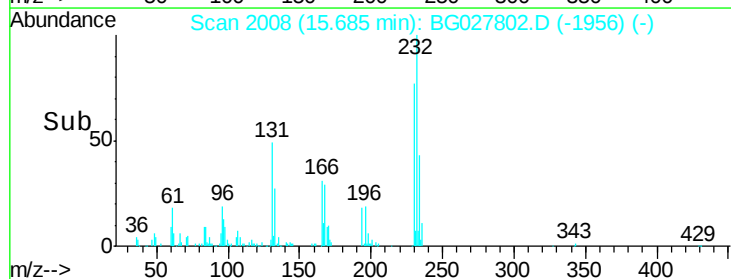
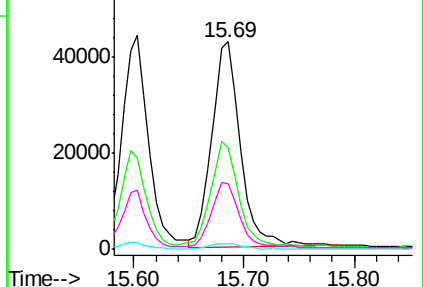


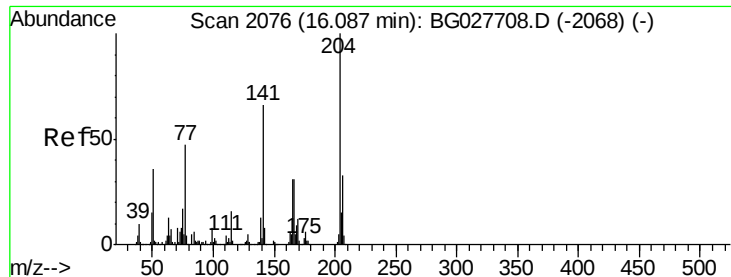
Abundance Ion 232.00 (231.70 to 232.70): E

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

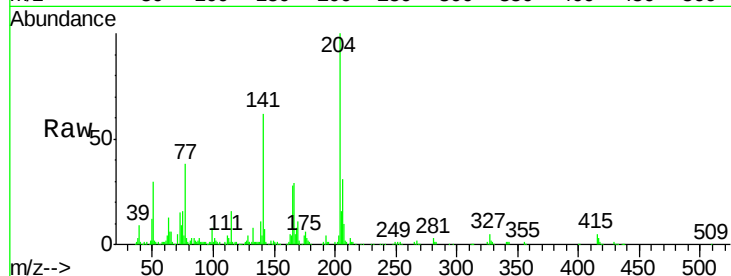




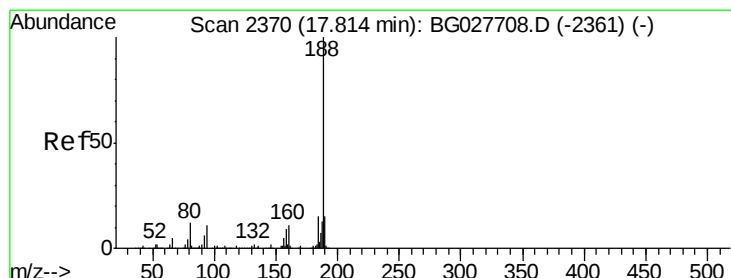
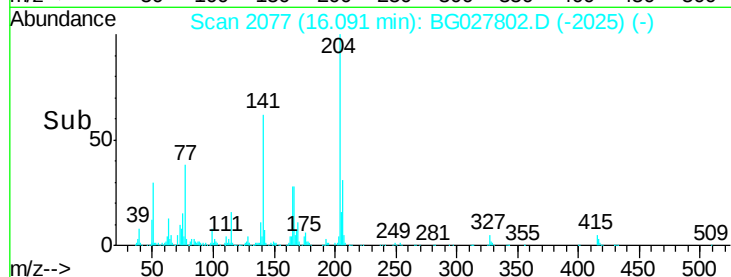
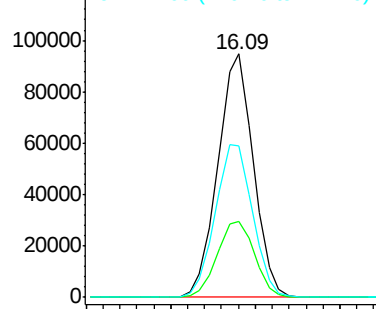
#60
4-Chlorophenyl-phenylether
Concen: 402.214 ng
RT: 16.09 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

Tgt Ion:204 Resp: 138808
Ion Ratio Lower Upper
204 100
206 31.3 30.1 45.1
141 62.2 50.6 76.0

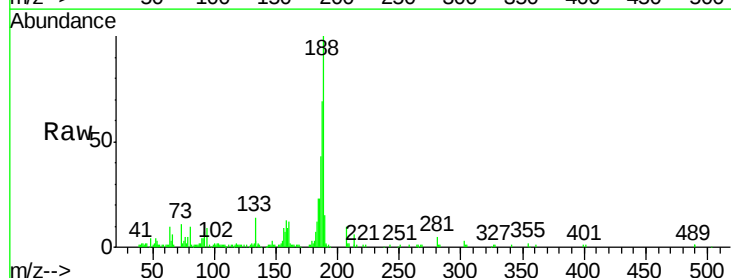


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

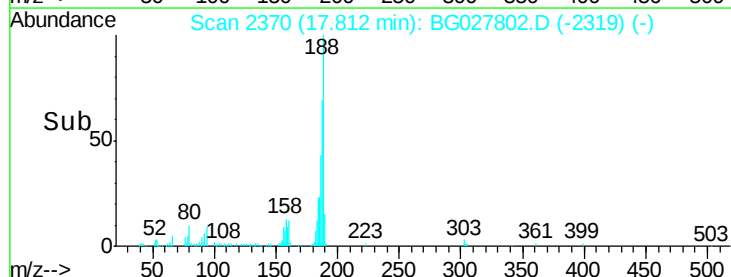
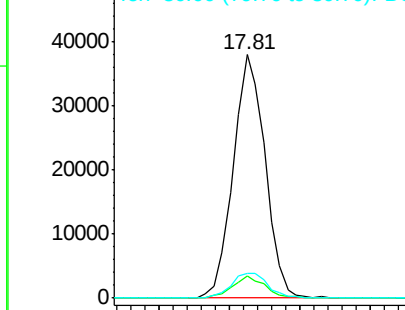


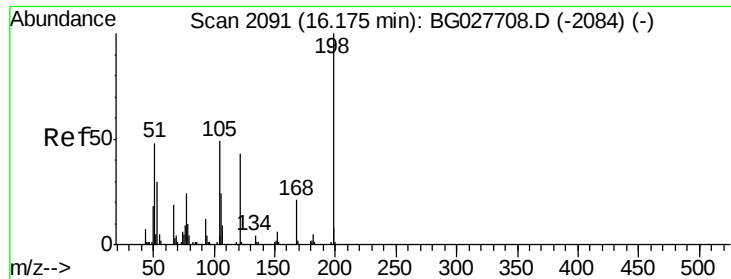
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.81 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion:188 Resp: 59641
Ion Ratio Lower Upper
188 100
94 9.4 5.8 8.8#
80 10.1 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

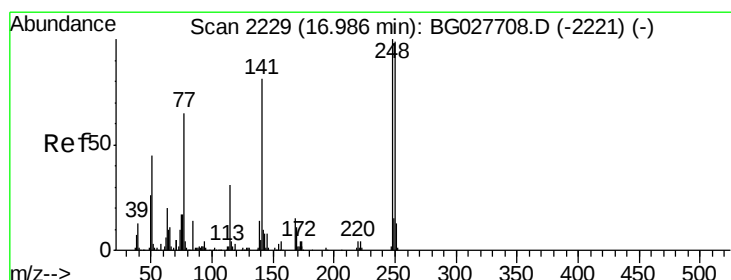
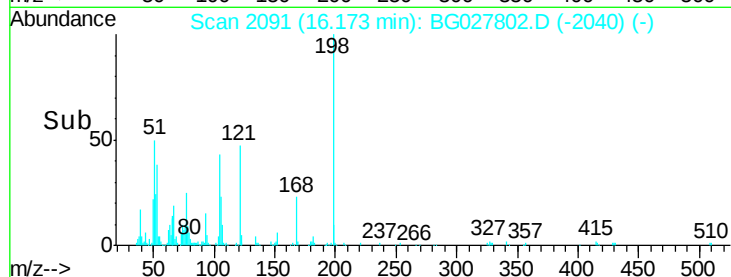
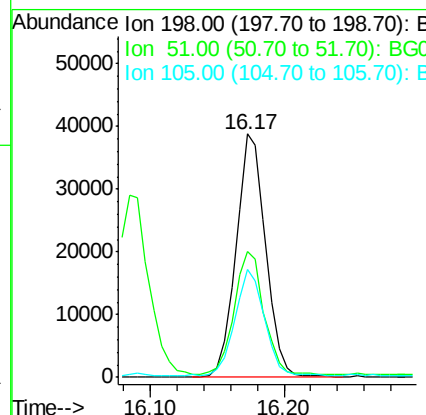
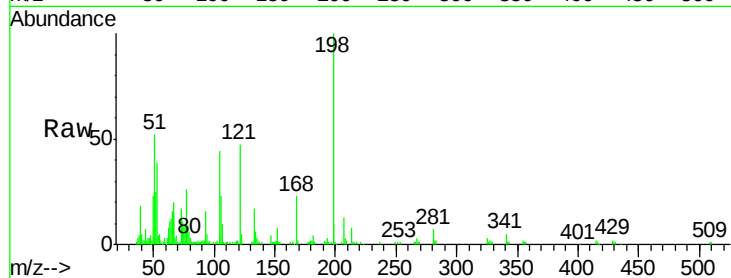




#64
 4,6-Dinitro-2-methylphenol
 Concen: 146.678 ng
 RT: 16.17 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

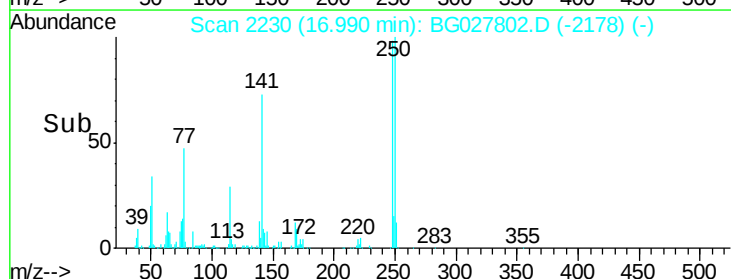
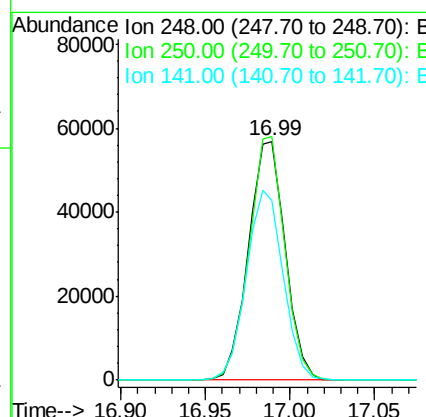
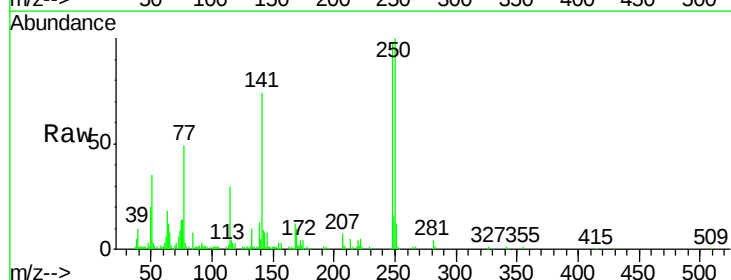
Instrument :
 BNA_G
 ClientSampleId :
 TP2-MH2094-COMPMSD

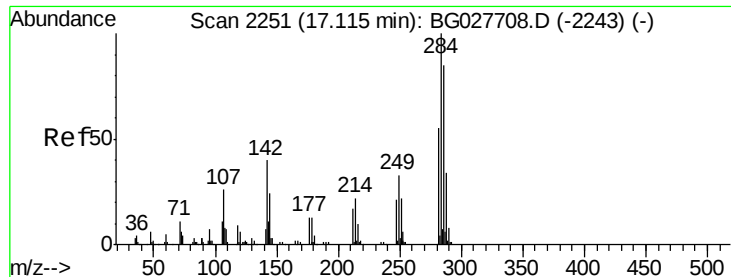
Tgt Ion:198 Resp: 59815
 Ion Ratio Lower Upper
 198 100
 51 51.5 22.6 62.6
 105 44.4 14.4 54.4



#66
 4-Bromophenyl-phenylether
 Concen: 137.829 ng
 RT: 16.99 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG027802.D
 Acq: 2 Jul 2017 3:20

Tgt Ion:248 Resp: 85976
 Ion Ratio Lower Upper
 248 100
 250 102.1 75.0 112.6
 141 75.3 55.2 82.8

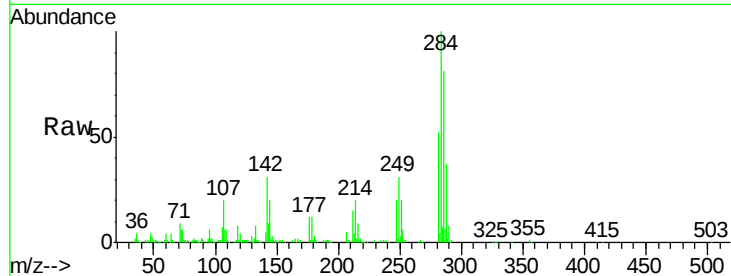




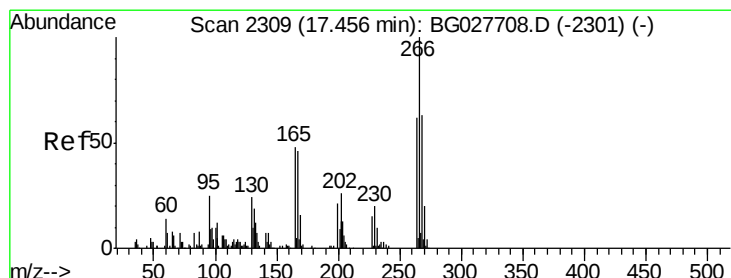
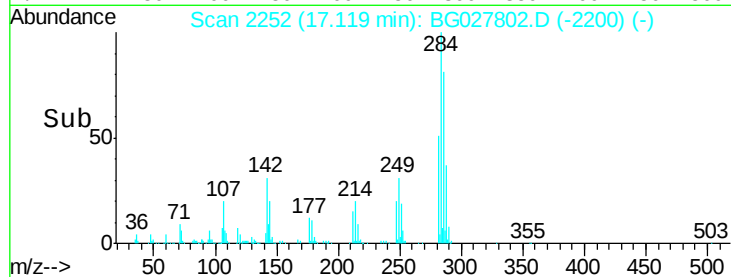
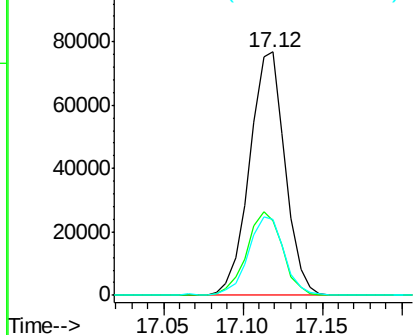
#67
Hexachlorobenzene
Concen: 180.875 ng
RT: 17.12 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Instrument :
BNA_G
ClientSampleId :
TP2-MH2094-COMPMSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.8	29.9	44.9
249	31.2	29.2	43.8

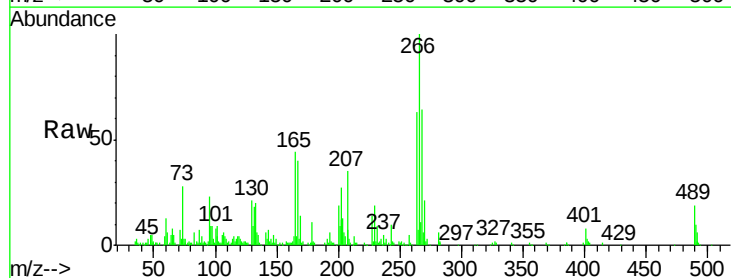


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

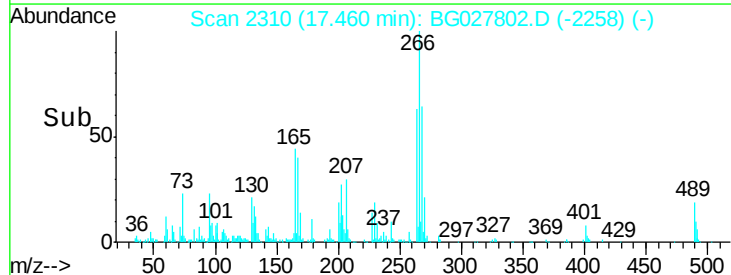
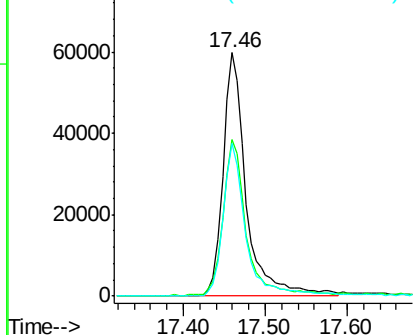


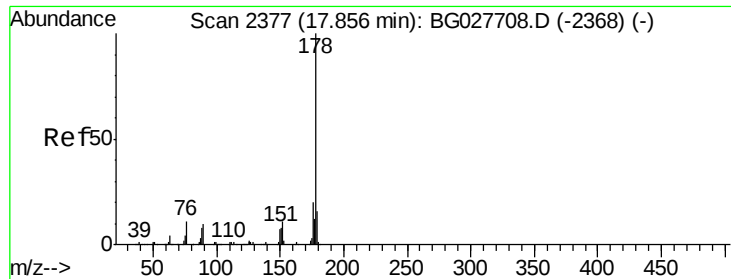
#69
Pentachlorophenol
Concen: 263.482 ng
RT: 17.46 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BG027802.D
Acq: 2 Jul 2017 3:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	48.6	72.8
264	62.8	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





#70

Phenanthrene

Concen: 109.952 ng

RT: 17.86 min Scan# 2378

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

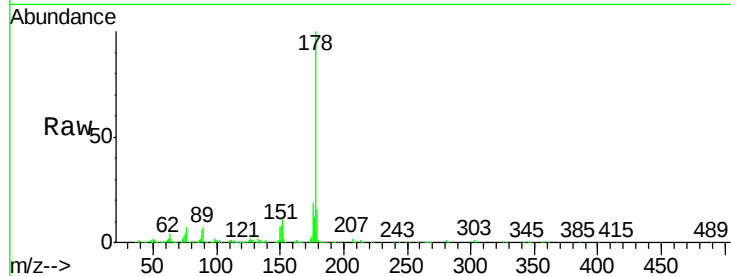
Tgt Ion:178 Resp: 378575

Ion Ratio Lower Upper

178 100

176 19.3 17.7 26.5

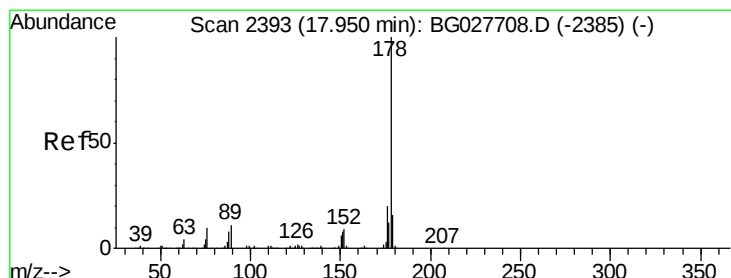
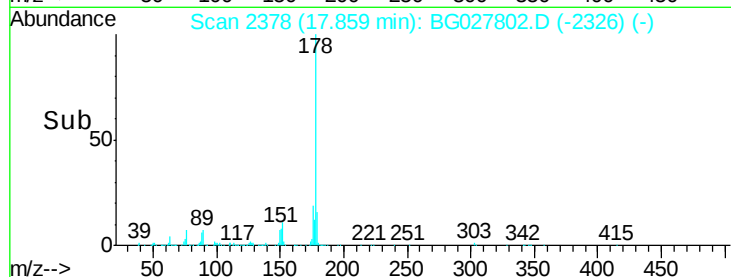
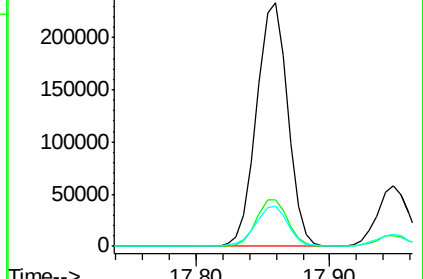
179 16.3 15.0 22.6



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: 26.566 ng

RT: 17.95 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

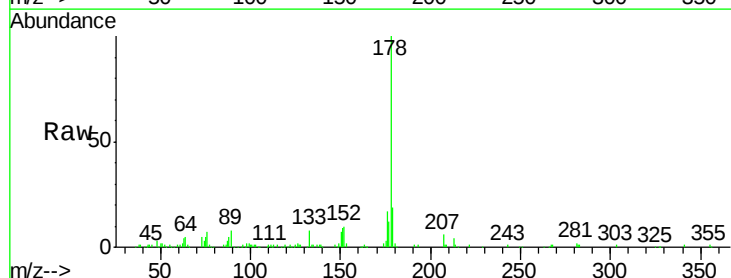
Tgt Ion:178 Resp: 92365

Ion Ratio Lower Upper

178 100

176 17.4 16.4 24.6

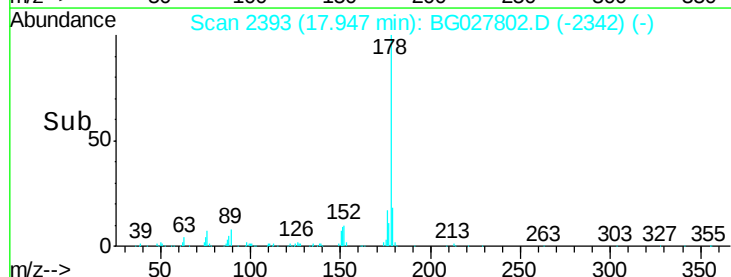
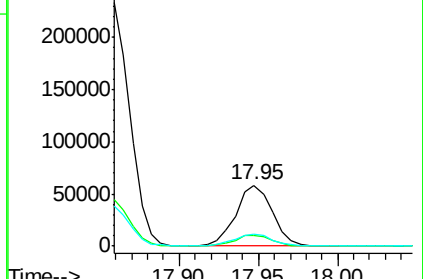
179 19.3 13.8 20.8

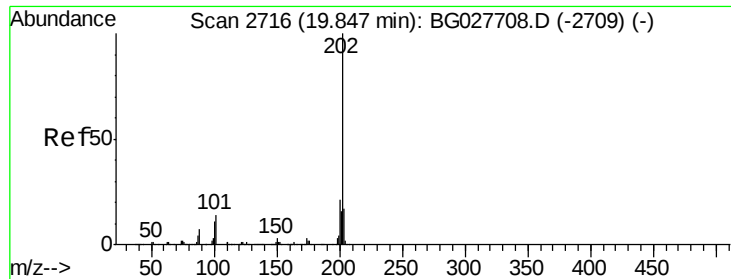


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.823 ng

RT: 19.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

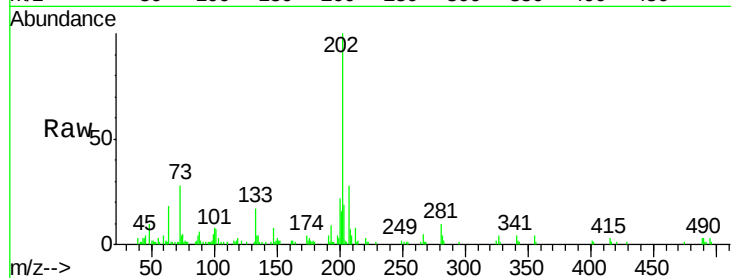
Tgt Ion:202 Resp: 29438

Ion Ratio Lower Upper

202 100

101 7.4 0.0 30.1

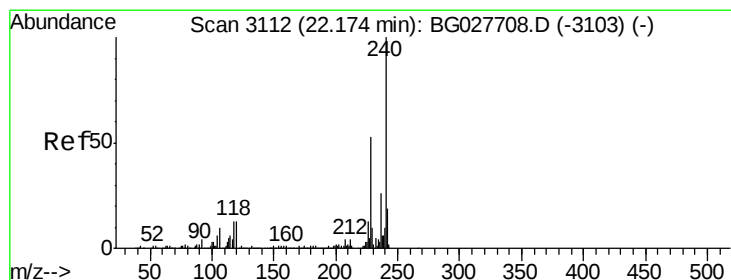
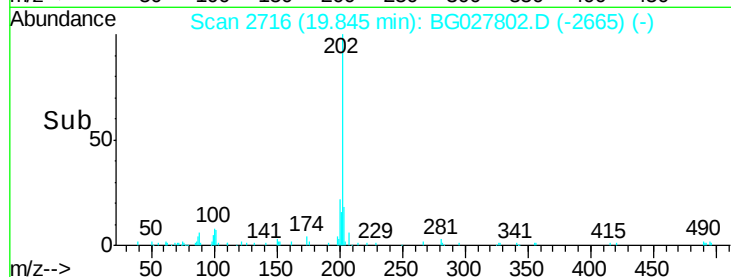
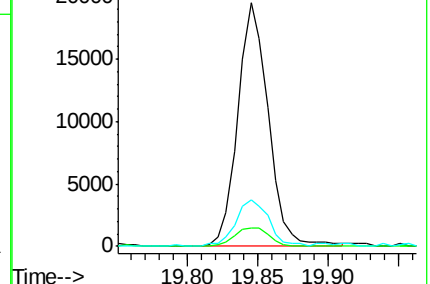
203 19.2 1.3 41.3



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: 20.000 ng

RT: 22.17 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

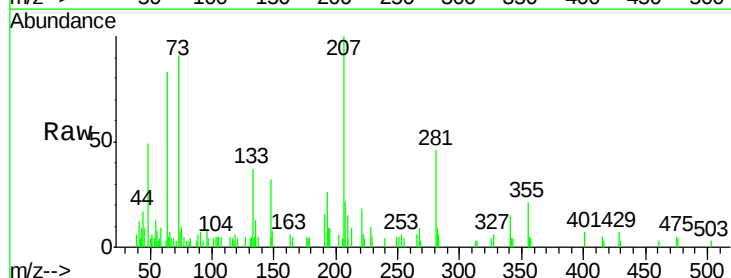
Tgt Ion:240 Resp: 70

Ion Ratio Lower Upper

240 100

120 0.0 5.7 8.5#

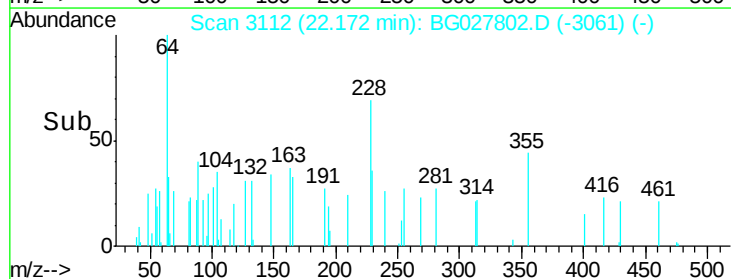
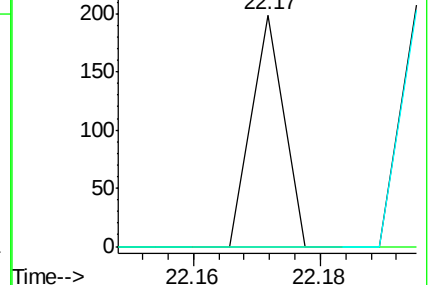
236 0.0 22.2 33.4#

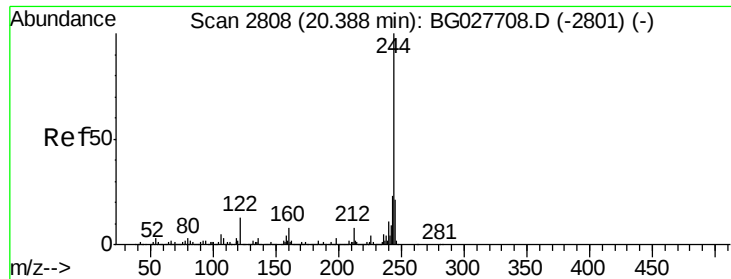


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 4474.060 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Instrument :

BNA_G

ClientSampleId :

TP2-MH2094-COMPMSD

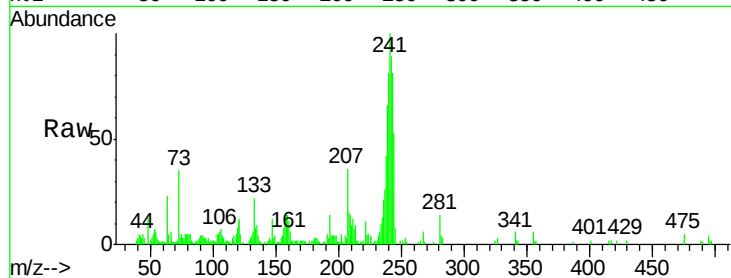
Tgt Ion: 244 Resp: 13359

Ion Ratio Lower Upper

244 100

212 12.3 10.0 15.0

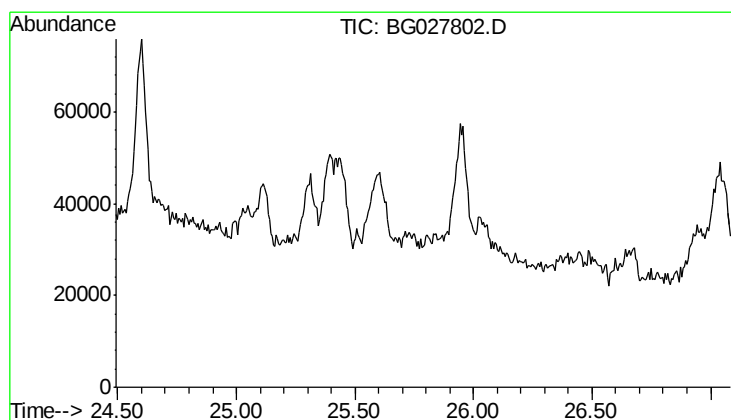
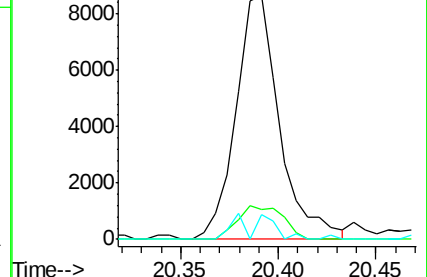
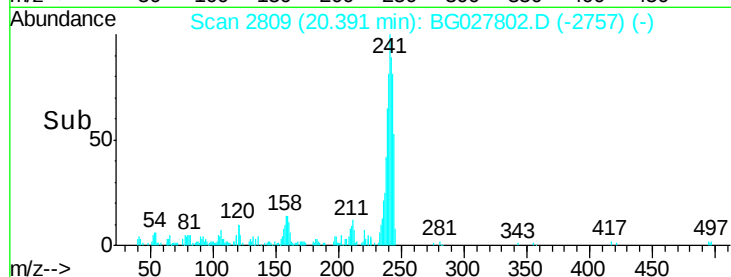
122 10.2 8.6 12.8



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: 0.000 ng

Expected RT: 25.79 min

Lab File: BG027802.D

Acq: 2 Jul 2017 3:20

Tgt Ion: 264

Sig Exp Ratio

264 100

260 27.3

265 22.8

