

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013017\
 Data File : BG025713.D
 Acq On : 30 Jan 2017 20:31
 Operator : SJ/MA
 Sample : I1305-25DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0036DL

Quant Time: Jan 31 00:23:28 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	8.17	152	64364	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	270878	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	212813	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	474582	20.00	ng	0.00
75) Chrysene-d12	21.83	240	704722	20.00	ng	0.00
86) Perylene-d12	25.22	264	688299	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	100889	28.09	ng	0.00
7) Phenol-d6	7.33	99	150411	28.68	ng	0.00
23) Nitrobenzene-d5	9.36	82	114719	17.89	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	72981	24.05	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	260922	19.91	ng	0.00
78) Terphenyl-d14	20.12	244	567905	19.45	ng	0.00

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.87	42	71585	28.17	ng	88
6) Aniline	7.58	93	88040	11.91	ng	# 54
11) bis(2-Chloroethyl)ether	7.58	93	88040	18.89	ng	96
12) 1,3-Dichlorobenzene	8.20	146	75139	15.07	ng	98
13) 1,4-Dichlorobenzene	8.20	146	75139	14.83	ng	96
14) 1,2-Dichlorobenzene	8.53	146	136697	28.15	ng	95
18) Hexachloroethane	9.25	117	46165	22.37	ng	90
19) n-Nitroso-di-n-propylamine	8.97	70	139834	30.21	ng	# 97
24) Nitrobenzene	9.41	77	38419	5.49	ng	# 88
25) Isophorone	9.91	82	318949	25.53	ng	98
28) bis(2-Chloroethoxy)methane	10.39	93	57213	8.65	ng	# 84
30) 1,2,4-Trichlorobenzene	10.85	180	90577	17.56	ng	93
31) Naphthalene	11.05	128	340703	24.23	ng	97
32) Benzoic acid	10.32	122	70	7.91	ng	# 1
33) 4-Chloroaniline	11.05	127	45133	7.72	ng	# 32
37) 2-Methylnaphthalene	12.64	142	177932	16.39	ng	99
40) Hexachlorocyclopentadiene	12.97	237	21159	17.34	ng	99
46) 2-Chloronaphthalene	13.69	162	219335	18.86	ng	97
48) Acenaphthylene	14.52	152	354131	18.31	ng	96
51) Acenaphthene	14.87	154	336321	28.14	ng	98
53) 2,4-Dinitrophenol	14.95	184	72	9.47	ng	# 1
55) 4-Nitrophenol	14.92	139	111	5.62	ng	# 1
56) 2,4-Dinitrotoluene	15.20	165	21597	4.07	ng	# 82
59) Diethylphthalate	15.59	149	176119	10.37	ng	98
60) 4-Chlorophenyl-phenylether	15.82	204	110877	12.75	ng	95
65) n-Nitrosodiphenylamine	16.05	169	122626	9.00	ng	86
66) 4-Bromophenyl-phenylether	16.72	248	84593	14.66	ng	97
70) Phenanthrene	17.59	178	692355	26.85	ng	97
71) Anthracene	17.68	178	630476	23.71	ng	95
73) Di-n-butylphthalate	18.47	149	572712	19.22	ng	# 95
79) Butylbenzylphthalate	20.80	149	549642	33.72	ng	96
80) Benzo(a)anthracene	21.82	228	1433936	34.36	ng	96
82) Chrysene	21.88	228	1077976	27.33	ng	95
84) Di-n-octyl phthalate	22.90	149	852748	23.13	ng	98

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Response via : Initial Calibration

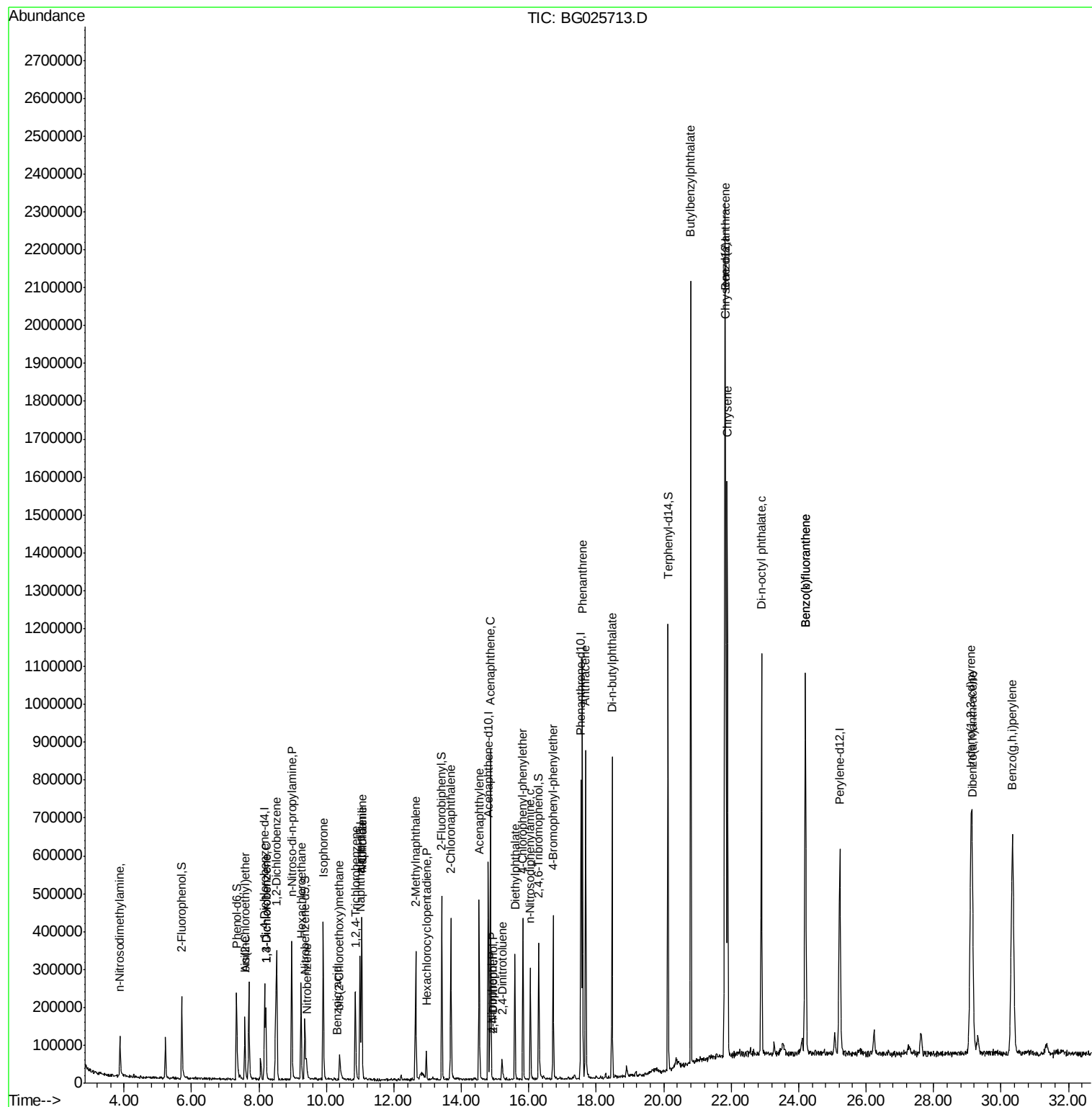
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	29.11	276	1069343	22.24	ng	# 95
87) Benzo(b)fluoranthene	24.20	252	1079044	27.12	ng	98
88) Benzo(k)fluoranthene	24.20	252	1079044	27.71	ng	95
90) Dibenzo(a,h)anthracene	29.15	278	632845	16.17	ng	99
91) Benzo(g,h,i)perylene	30.34	276	1329587	34.19	ng	99

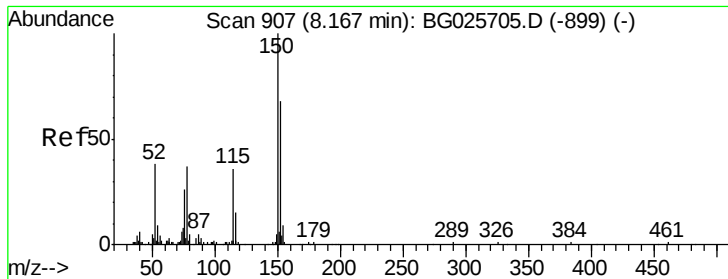
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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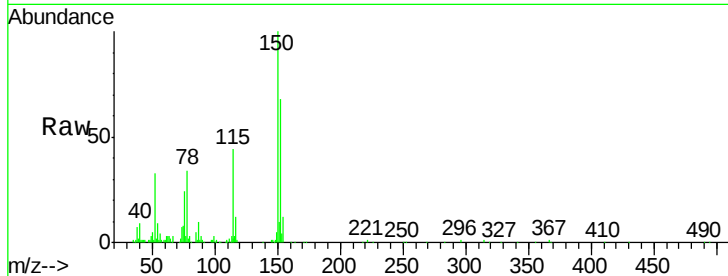


#1

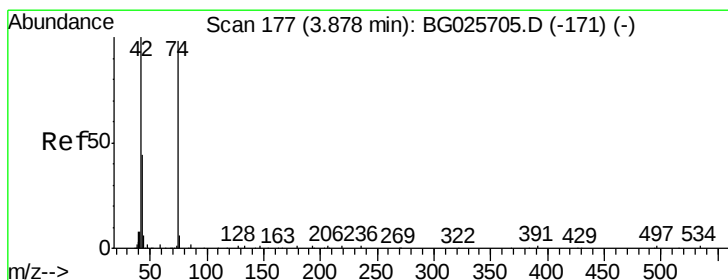
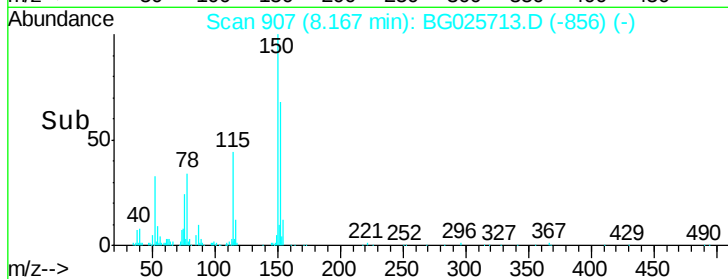
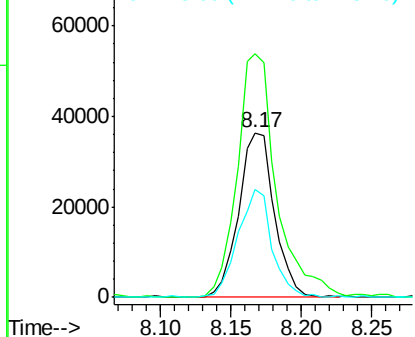
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Instrument :
BNA_G
ClientSampleId :
0036DL

Tgt Ion:152 Resp: 64364
Ion Ratio Lower Upper
152 100
150 147.7 114.0 171.0
115 65.7 48.1 72.1



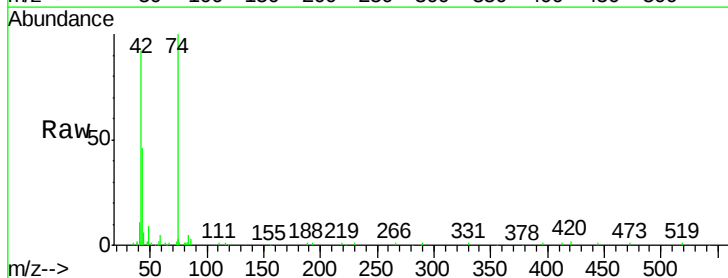
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



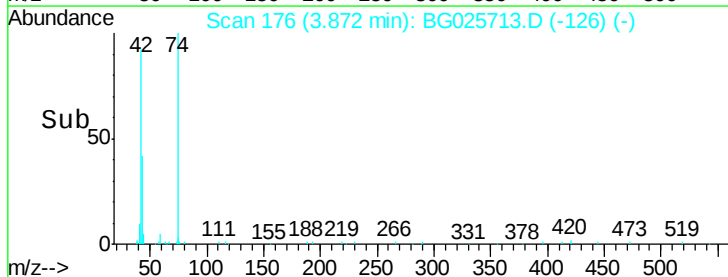
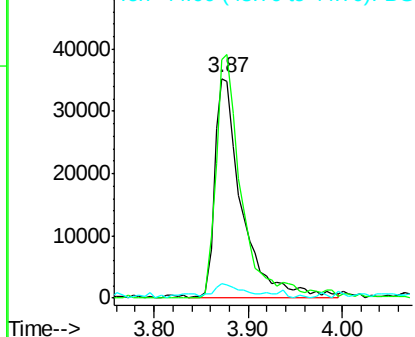
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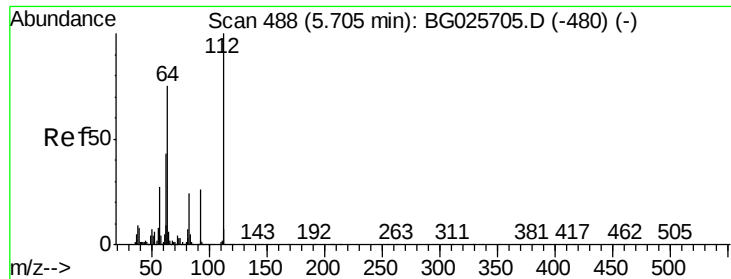
n-Nitrosodimethylamine
Concen: 28.17 ng
RT: 3.87 min Scan# 176
Delta R.T. -0.01 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion: 42 Resp: 71585
Ion Ratio Lower Upper
42 100
74 108.5 76.7 115.1
44 6.4 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: 28.09 ng

RT: 5.71 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

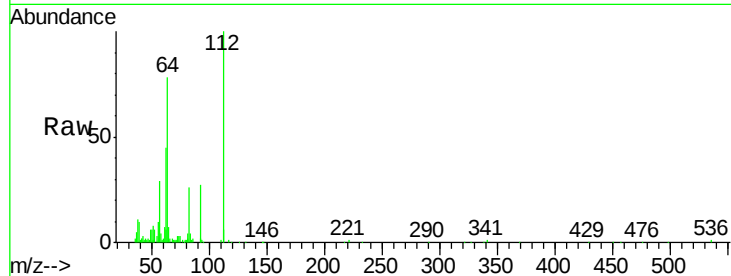
Tgt Ion: 112 Resp: 100889

Ion Ratio Lower Upper

112 100

64 78.3 61.8 92.6

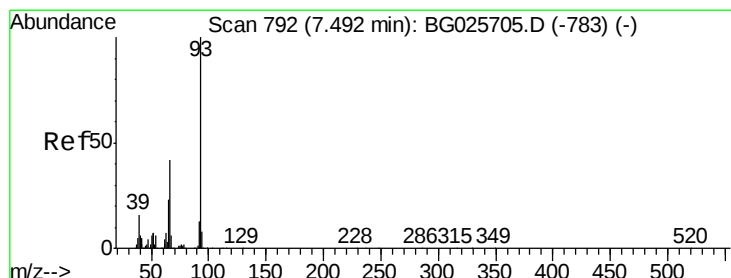
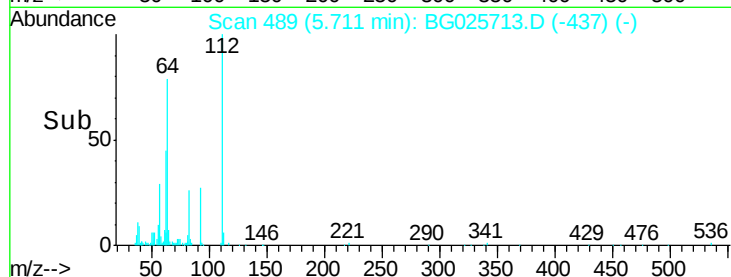
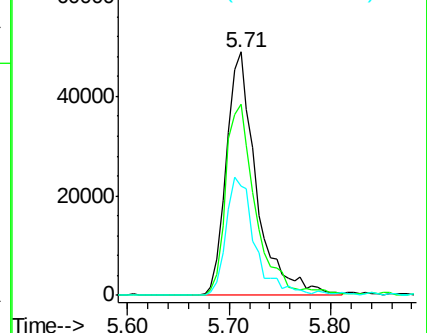
63 44.6 37.2 55.8



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: 11.91 ng

RT: 7.58 min Scan# 807

Delta R.T. 0.09 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

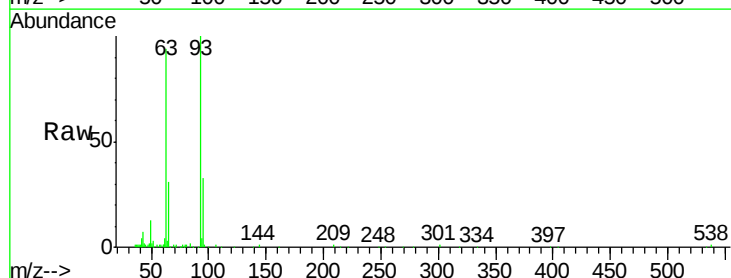
Tgt Ion: 93 Resp: 88040

Ion Ratio Lower Upper

93 100

66 0.4 35.4 53.2#

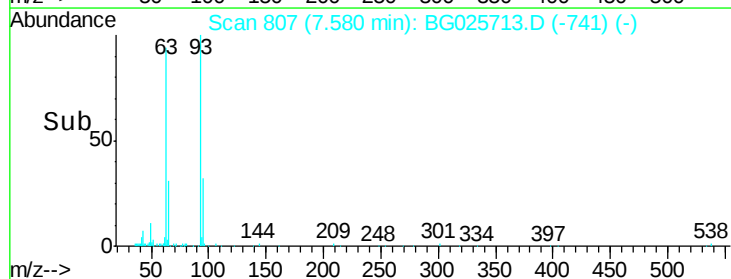
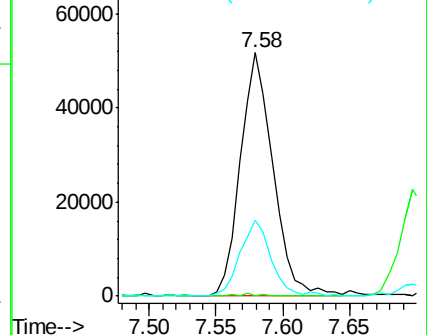
65 31.1 21.2 31.8

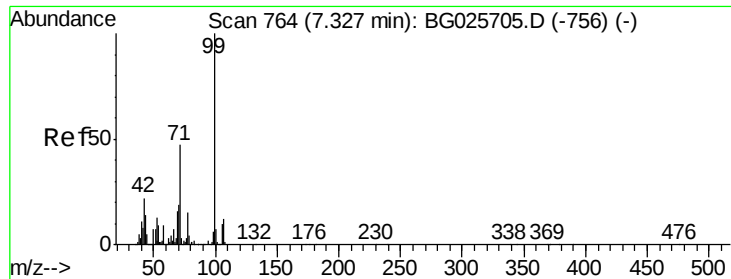


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 28.68 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

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ClientSampleId :

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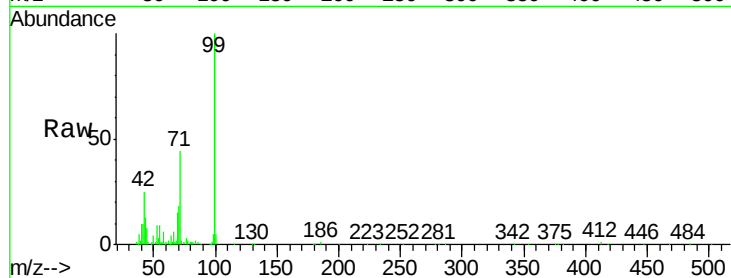
Tgt Ion: 99 Resp: 150411

Ion Ratio Lower Upper

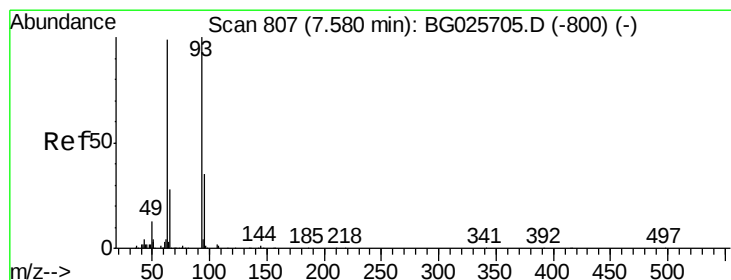
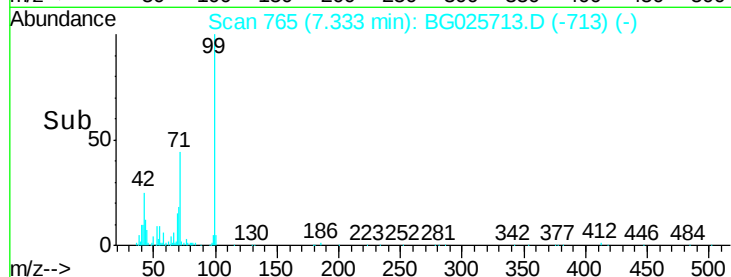
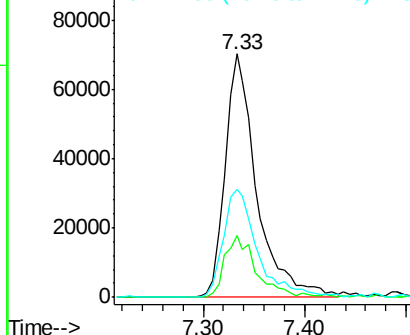
99 100

42 25.4 20.5 30.7

71 44.1 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



#11

bis(2-Chloroethyl)ether

Concen: 18.89 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

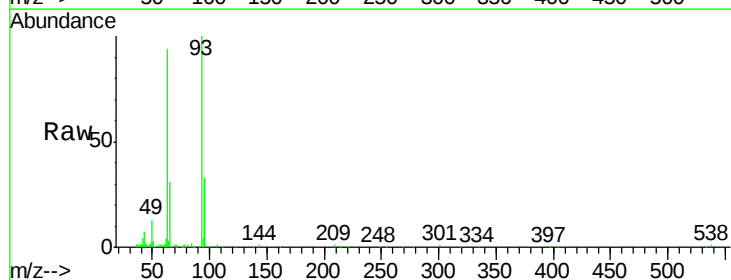
Tgt Ion: 93 Resp: 88040

Ion Ratio Lower Upper

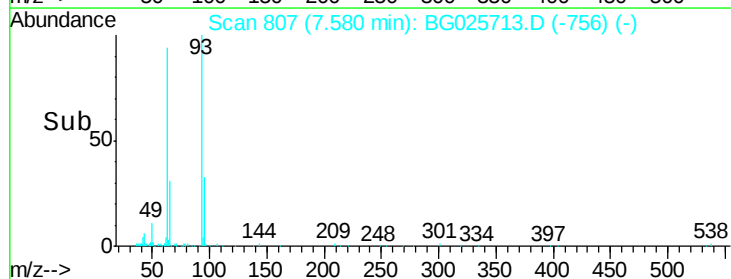
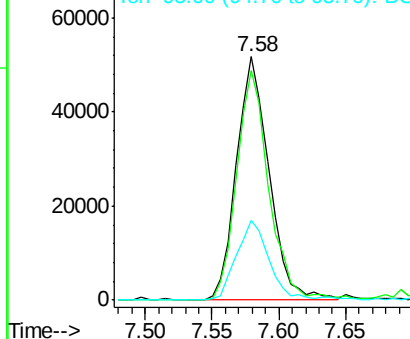
93 100

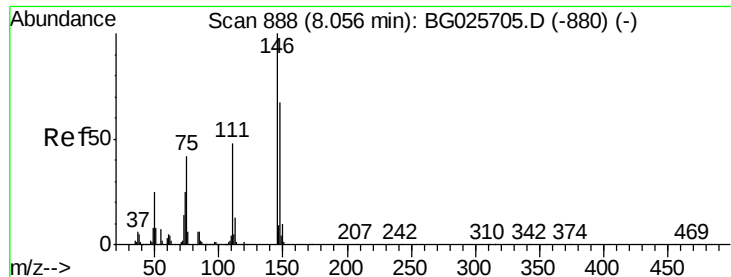
63 94.4 78.5 118.5

95 32.6 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: 15.07 ng

RT: 8.20 min Scan# 913

Delta R.T. 0.15 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

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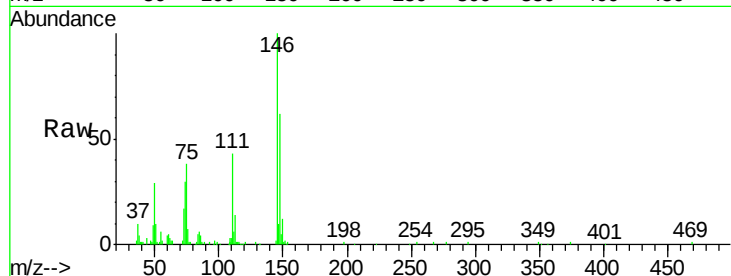
Tgt Ion:146 Resp: 75139

Ion Ratio Lower Upper

146 100

148 61.8 49.2 73.8

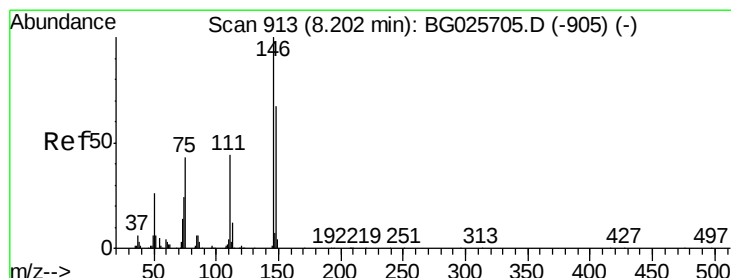
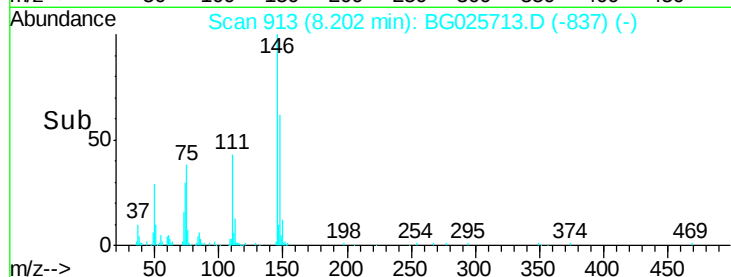
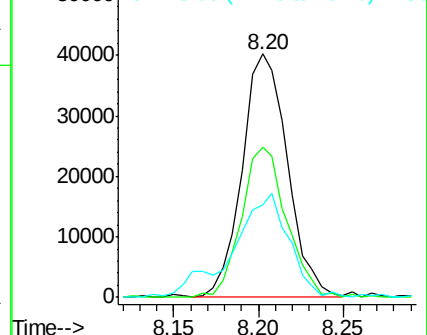
75 38.3 33.4 50.2



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): B



#13

1,4-Dichlorobenzene

Concen: 14.83 ng

RT: 8.20 min Scan# 913

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

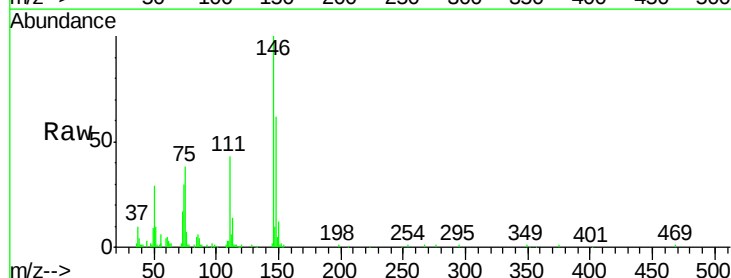
Tgt Ion:146 Resp: 75139

Ion Ratio Lower Upper

146 100

148 61.8 52.2 78.2

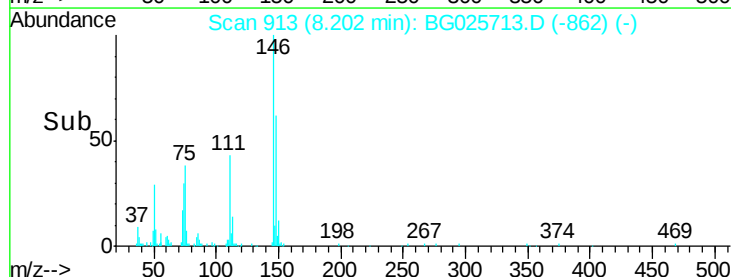
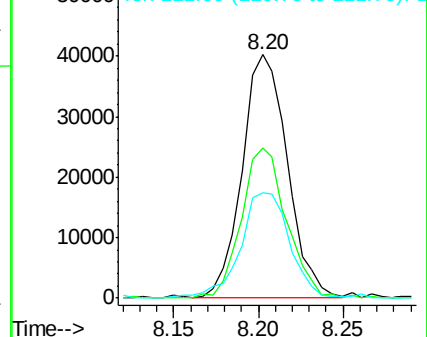
111 43.2 37.0 55.6

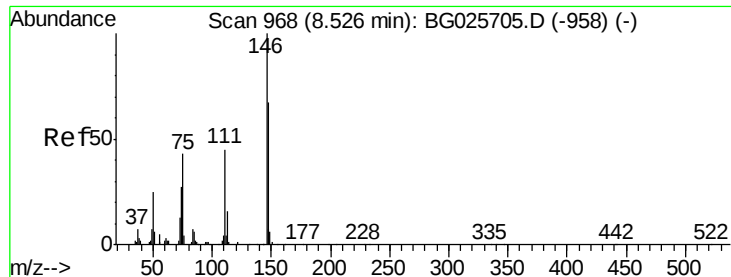


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

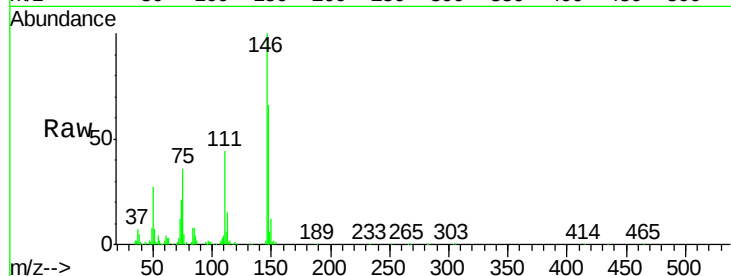




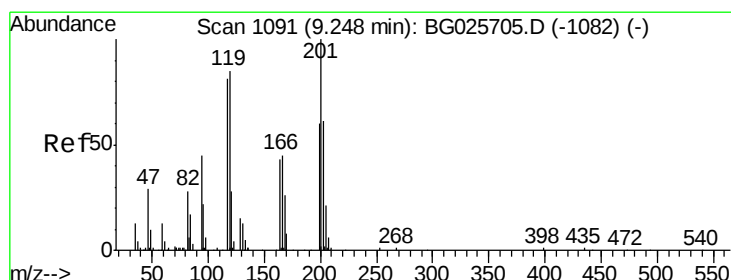
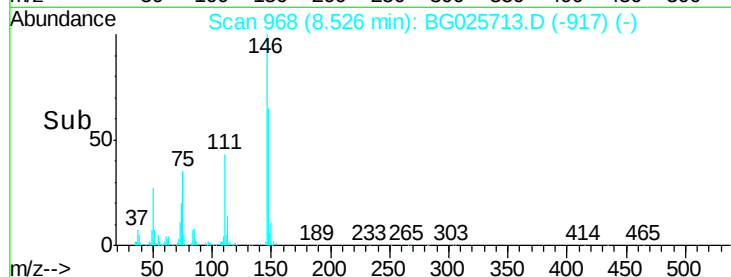
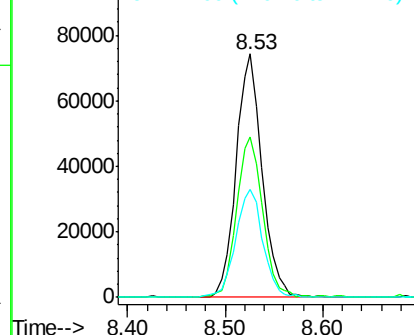
#14
 1,2-Dichlorobenzene
 Concen: 28.15 ng
 RT: 8.53 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BG025713.D
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Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	54.6	81.8
111	44.3	39.7	59.5

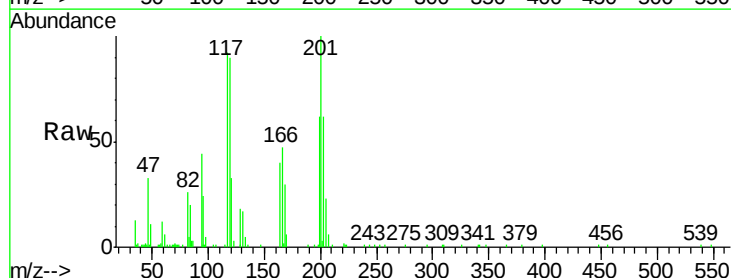


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

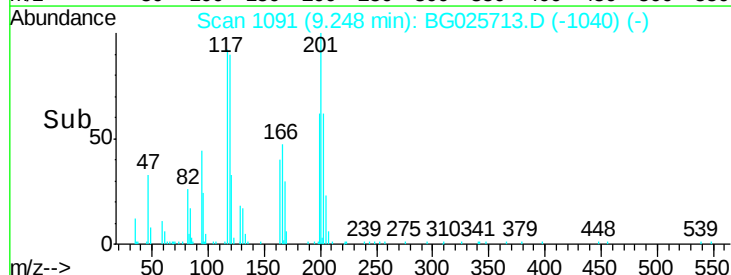
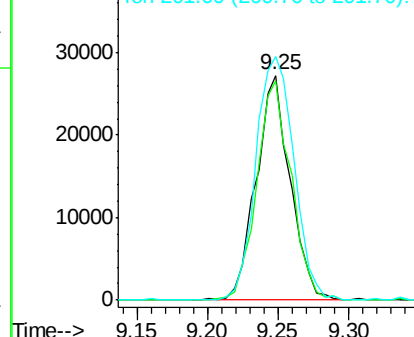


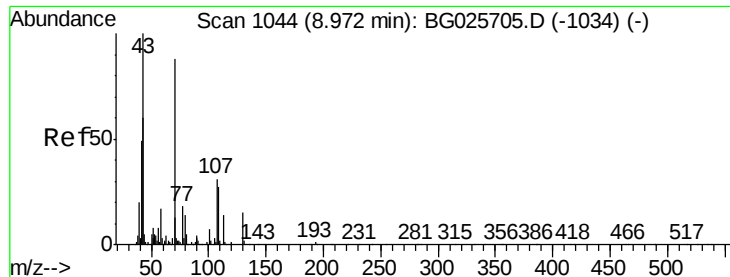
#18
 Hexachloroethane
 Concen: 22.37 ng
 RT: 9.25 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	69.8	104.6
201	108.5	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

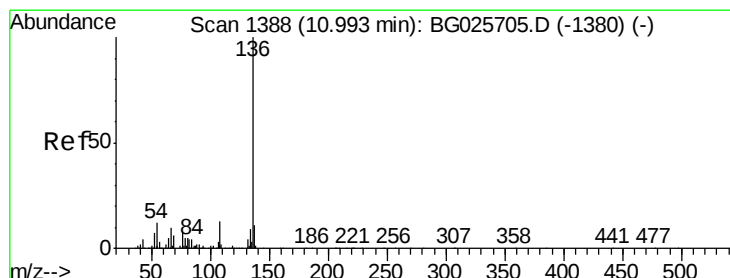
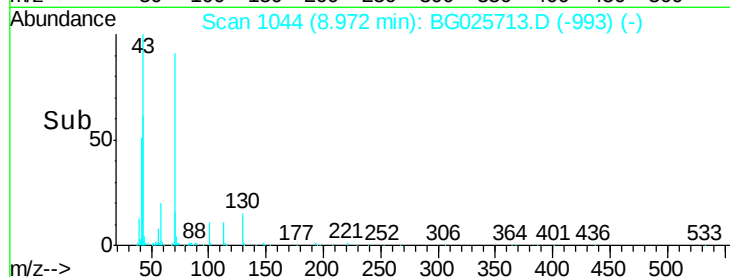
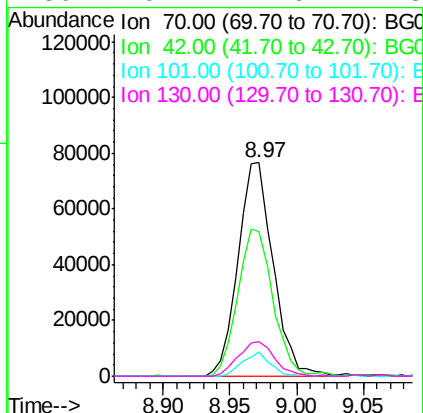
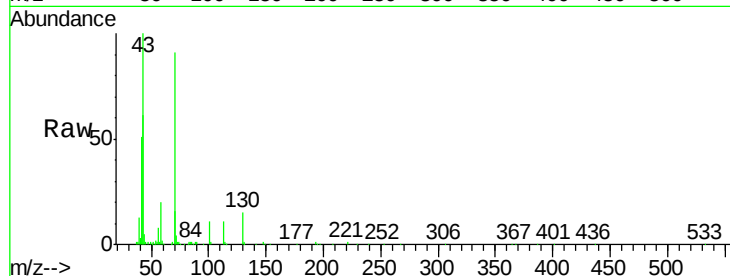




#19
n-Nitroso-di-n-propylamine
Concen: 30.21 ng
RT: 8.97 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

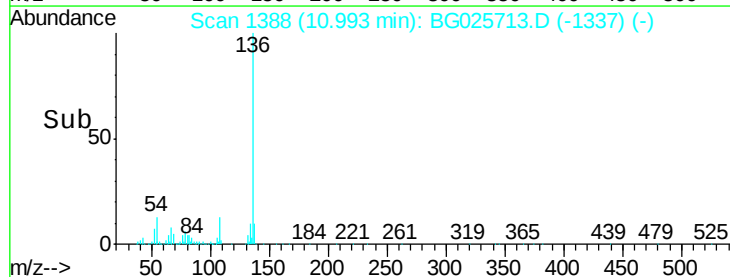
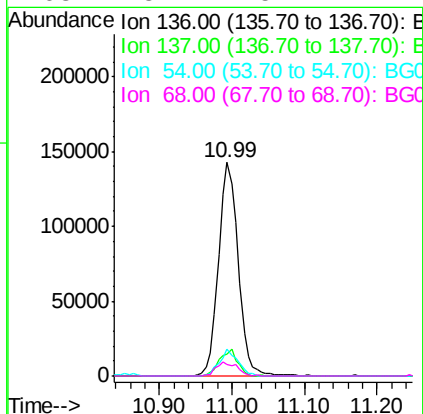
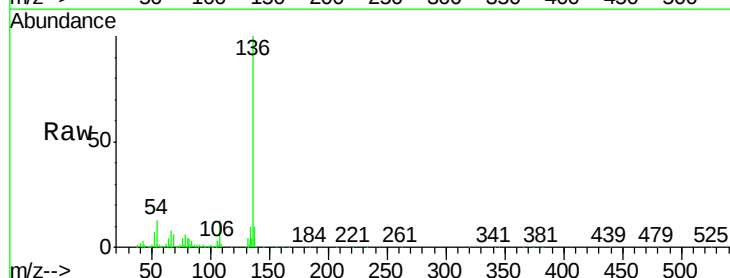
Instrument :
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ClientSampleId :
0036DL

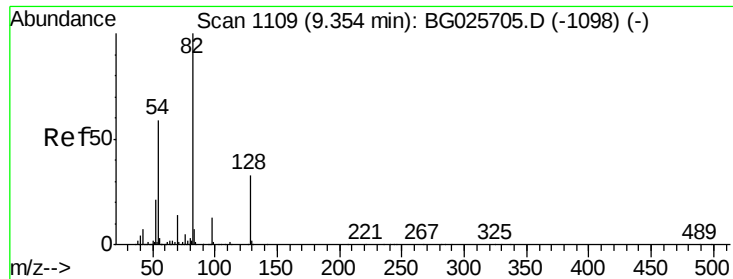
Tgt Ion:	70	Resp:	139834
Ion	Ratio	Lower	Upper
70	100		
42	67.7	56.1	84.1
101	11.6	7.5	11.3#
130	16.2	14.6	21.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion:	136	Resp:	270878
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	12.8	9.3	13.9
68	5.7	5.1	7.7

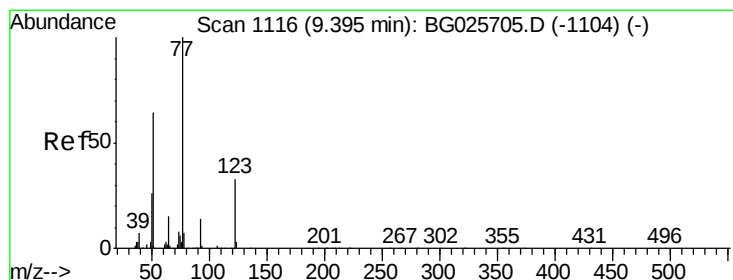
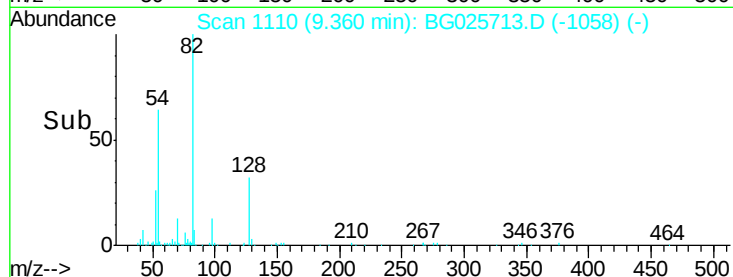
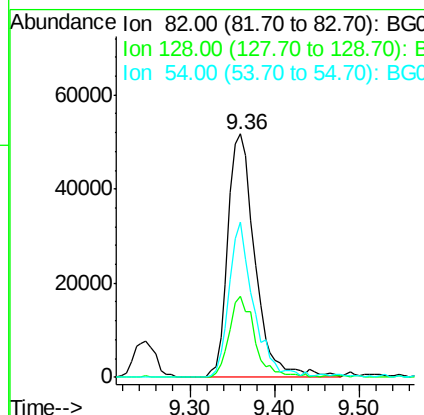
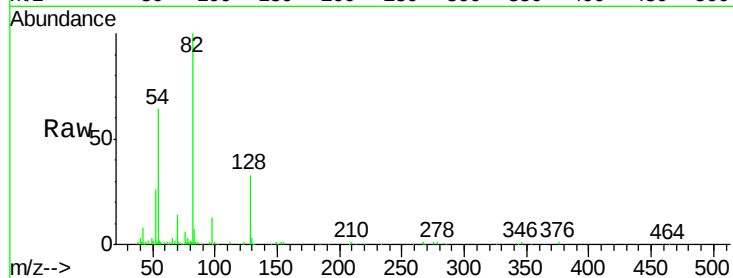




#23
 Nitrobenzene-d5
 Concen: 17.89 ng
 RT: 9.36 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

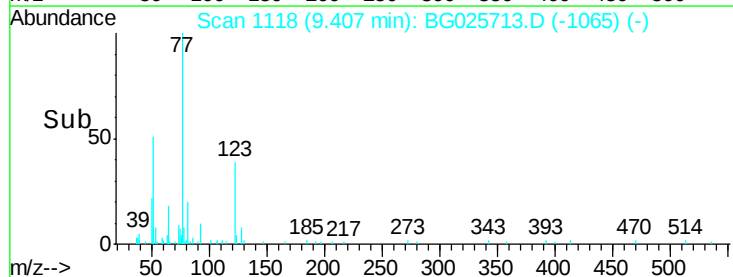
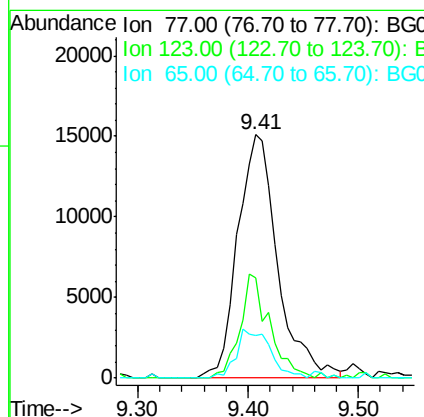
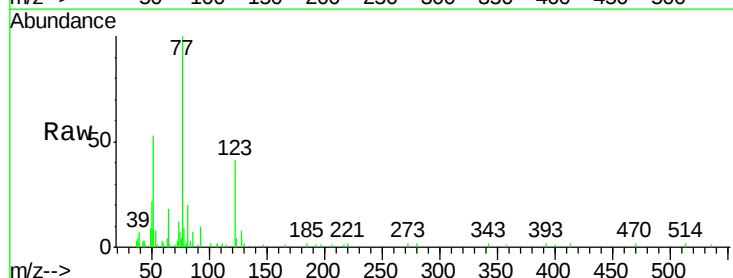
Instrument :
 BNA_G
 ClientSampleId :
 0036DL

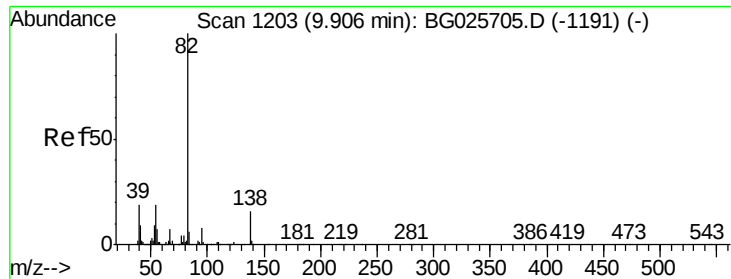
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.4	26.4	39.6
54	63.7	49.4	74.2



#24
 Nitrobenzene
 Concen: 5.49 ng
 RT: 9.41 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.0	26.1	39.1#
65	17.7	12.4	18.6





#25

Isophorone

Concen: 25.53 ng

RT: 9.91 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

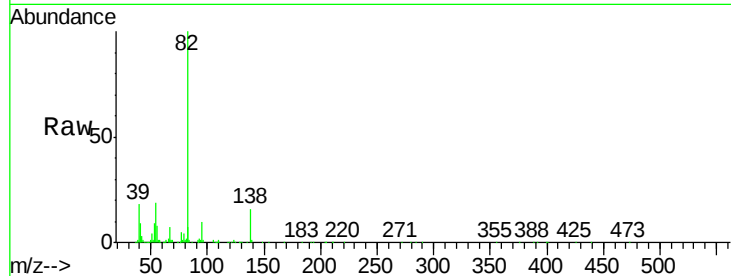
Tgt Ion: 82 Resp: 318949

Ion Ratio Lower Upper

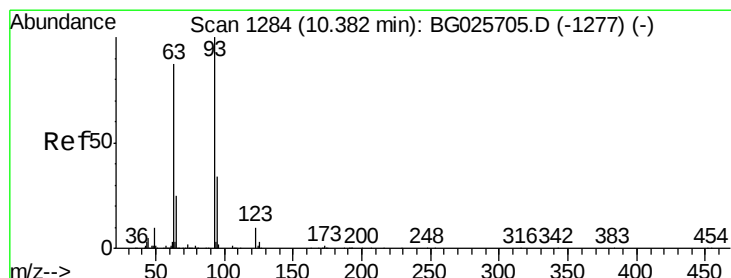
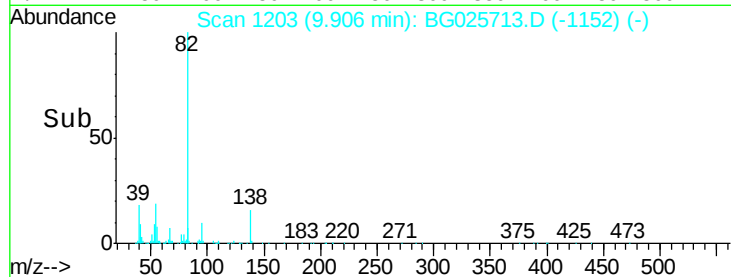
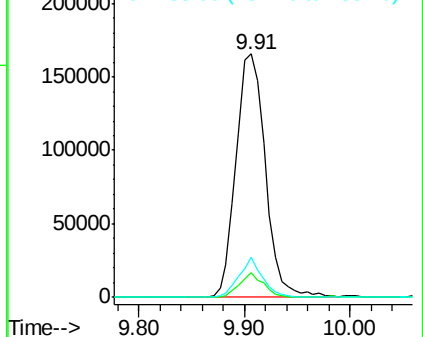
82 100

95 10.2 7.5 11.3

138 16.3 12.3 18.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#28

bis(2-Chloroethoxy)methane

Concen: 8.65 ng

RT: 10.39 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

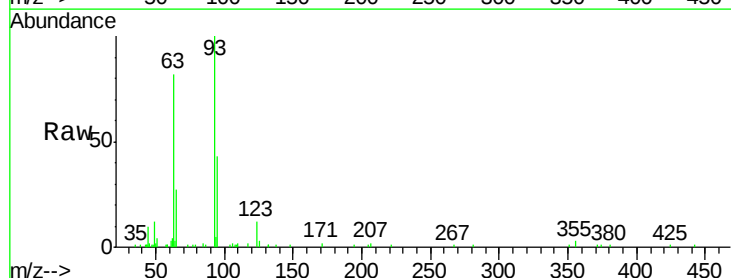
Tgt Ion: 93 Resp: 57213

Ion Ratio Lower Upper

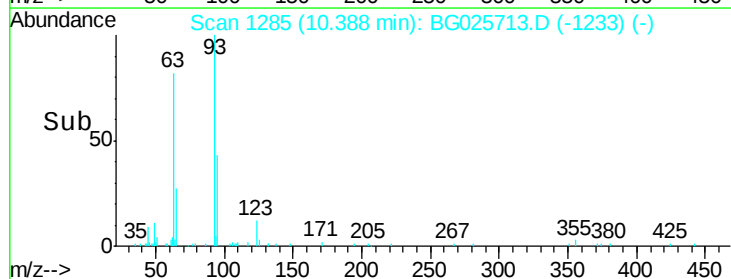
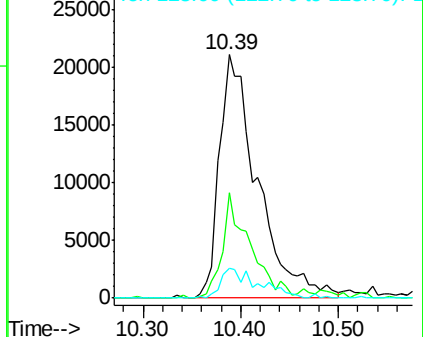
93 100

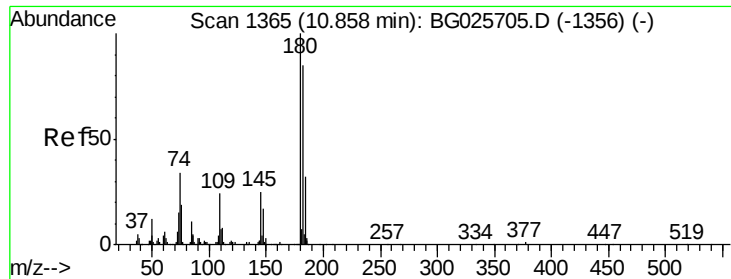
95 43.0 25.7 38.5#

123 12.0 8.3 12.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC

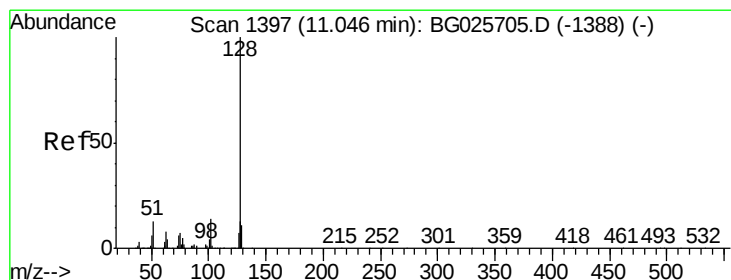
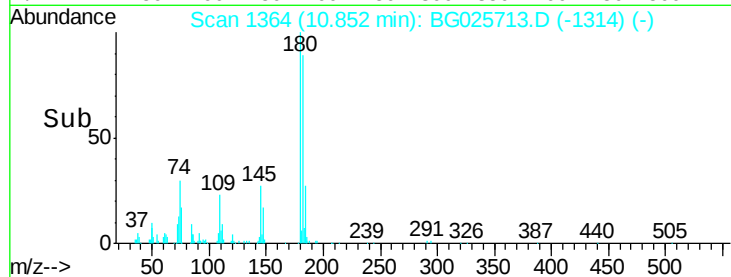
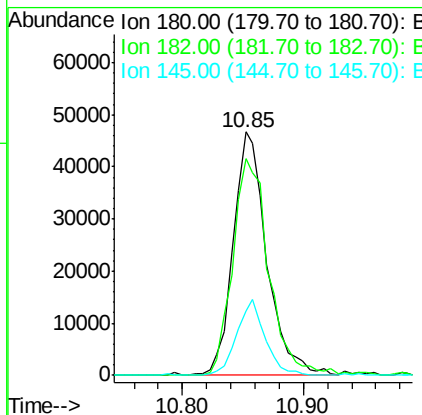
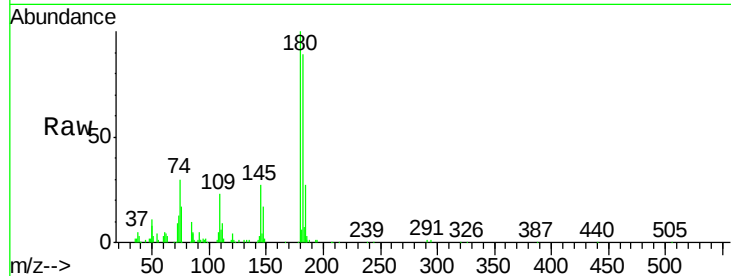




#30
 1,2,4-Trichlorobenzene
 Concen: 17.56 ng
 RT: 10.85 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

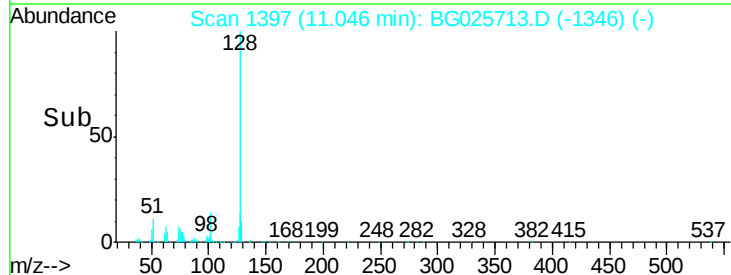
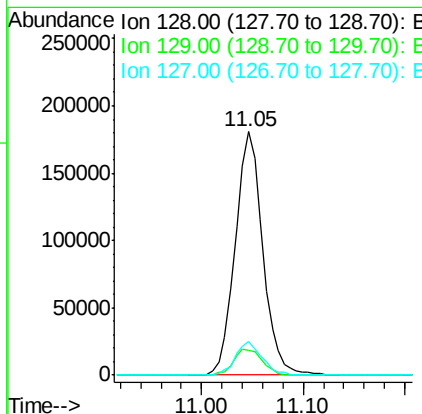
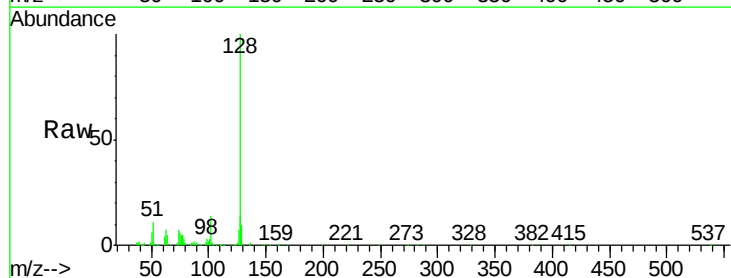
Instrument :
 BNA_G
 ClientSampleId :
 0036DL

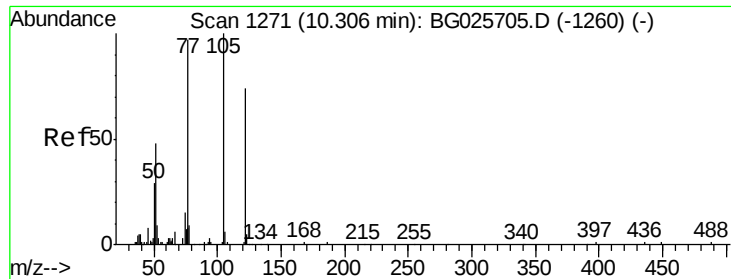
Tgt Ion:180 Resp: 90577
 Ion Ratio Lower Upper
 180 100
 182 89.1 77.0 115.4
 145 26.7 23.4 35.0



#31
 Naphthalene
 Concen: 24.23 ng
 RT: 11.05 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Tgt Ion:128 Resp: 340703
 Ion Ratio Lower Upper
 128 100
 129 10.0 9.3 13.9
 127 13.6 11.4 17.0





#32

Benzoic acid

Concen: 7.91 ng

RT: 10.32 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

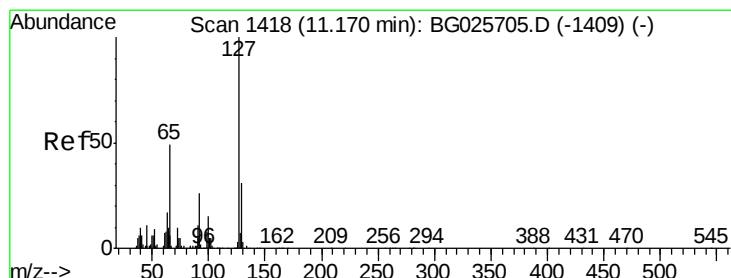
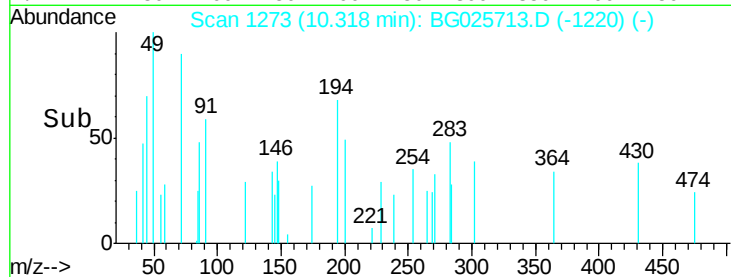
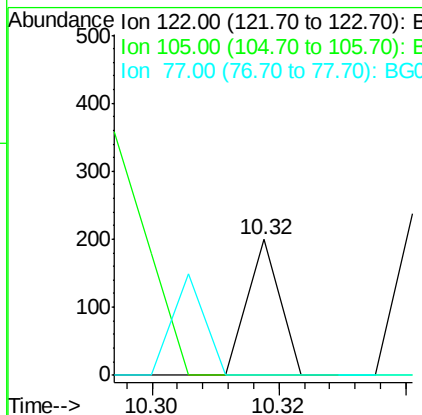
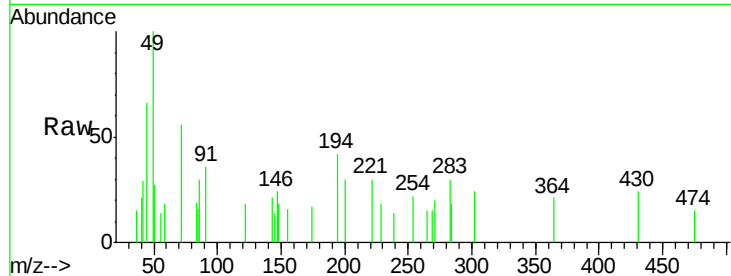
BNA_G

ClientSampleId :

0036DL

Tgt Ion:122 Resp: 70

Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#



#33

4-Chloroaniline

Concen: 7.72 ng

RT: 11.05 min Scan# 1397

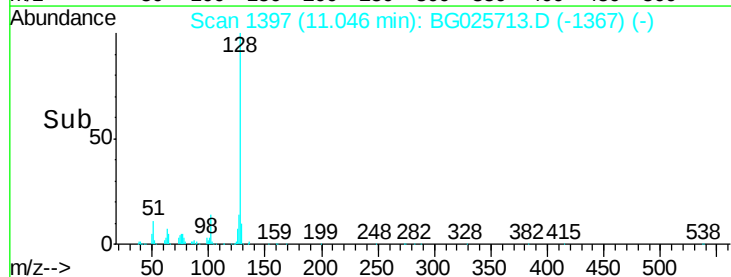
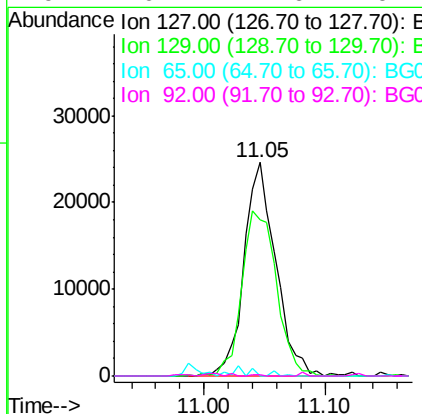
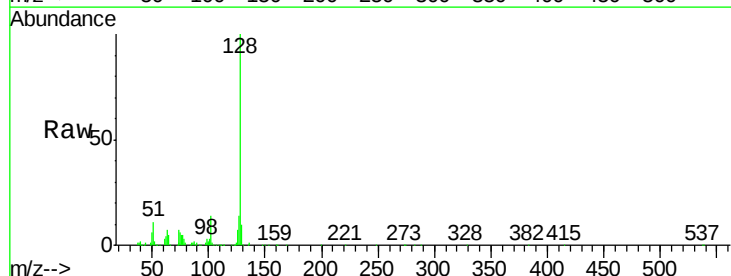
Delta R.T. -0.12 min

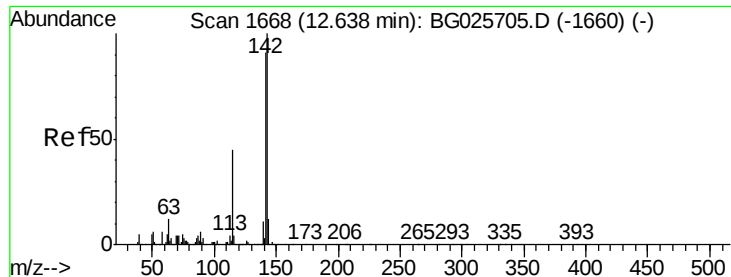
Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Tgt Ion:127 Resp: 45133

Ion	Ratio	Lower	Upper
127	100		
129	73.4	23.6	35.4#
65	0.0	37.7	56.5#
92	0.7	17.6	26.4#

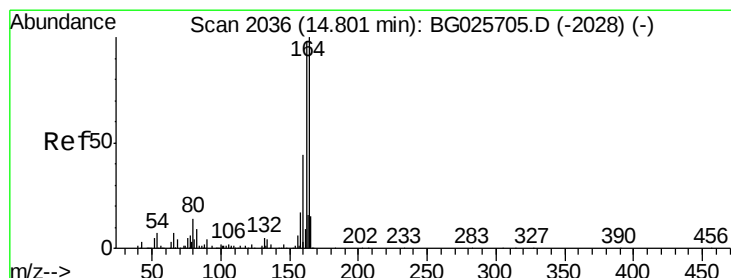
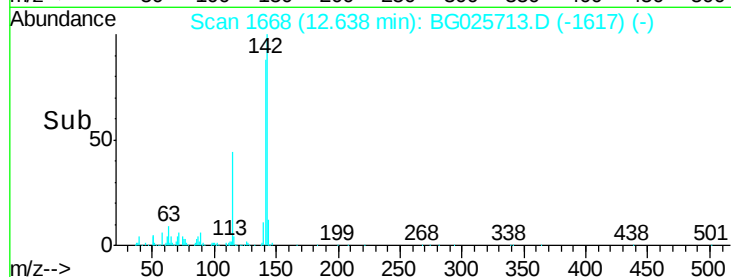
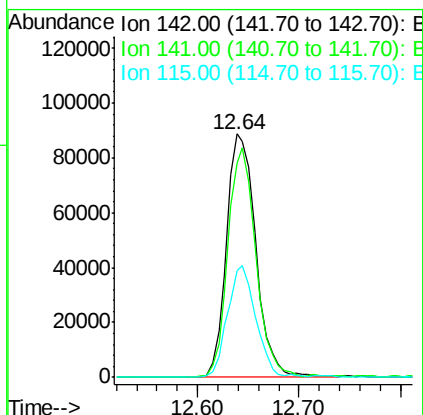
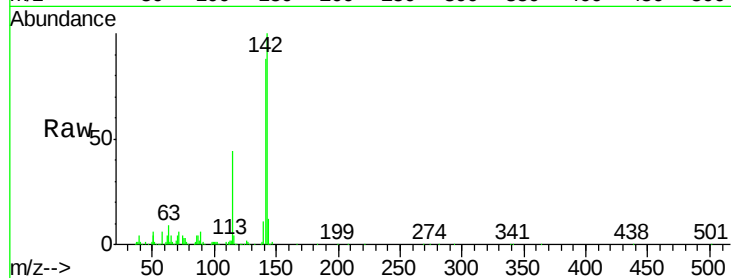




#37
2-Methylnaphthalene
Concen: 16.39 ng
RT: 12.64 min Scan# 1668
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

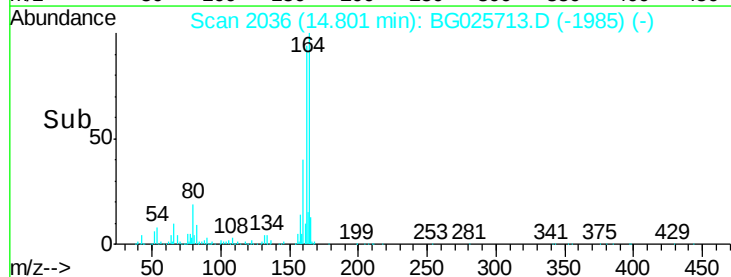
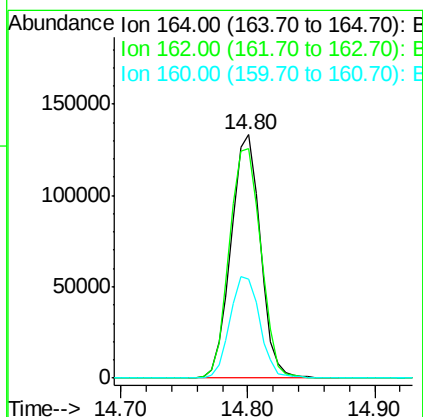
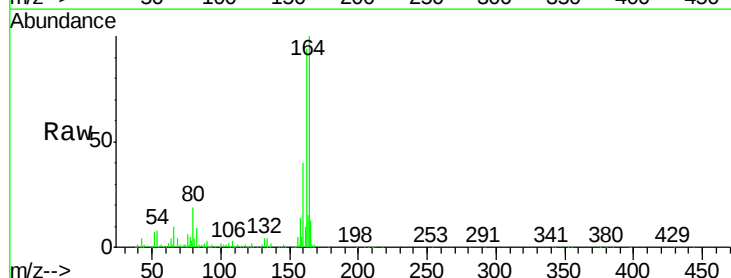
Instrument :
BNA_G
ClientSampleId :
0036DL

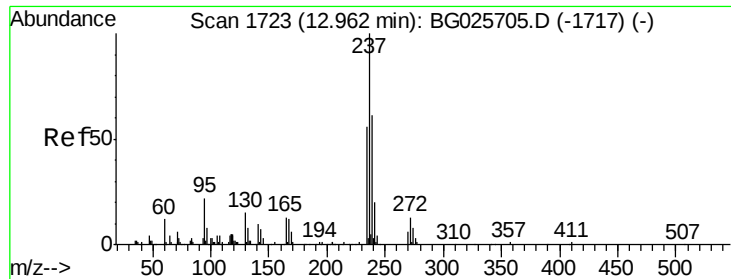
Tgt Ion:142 Resp: 177932
Ion Ratio Lower Upper
142 100
141 87.8 70.4 105.6
115 43.6 35.5 53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion:164 Resp: 212813
Ion Ratio Lower Upper
164 100
162 94.3 85.1 127.7
160 40.4 34.7 52.1

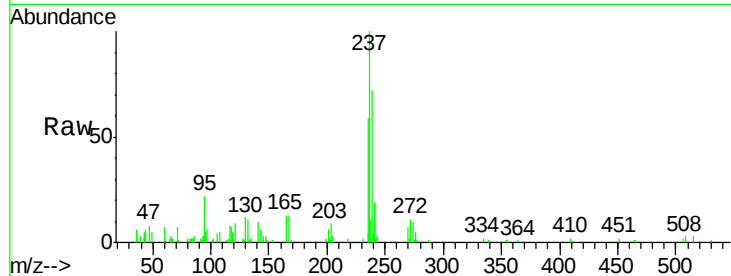




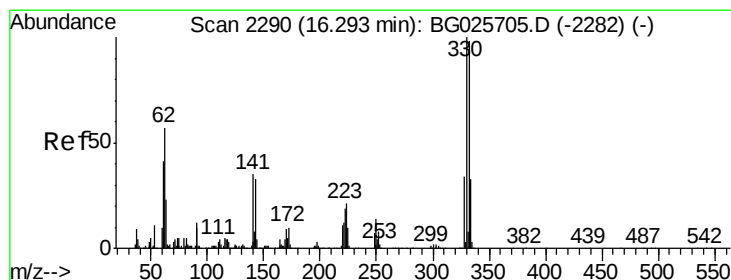
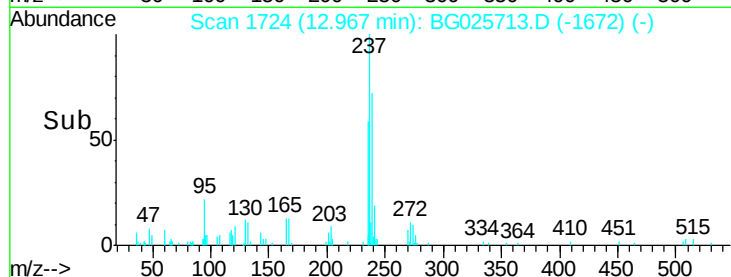
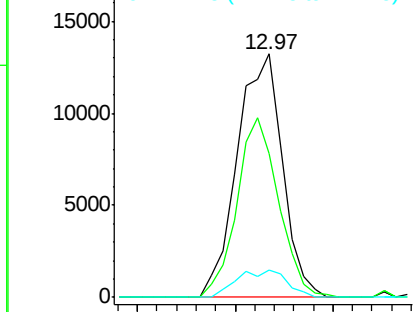
#40
Hexachlorocyclopentadiene
Concen: 17.34 ng
RT: 12.97 min Scan# 1724
Delta R.T. 0.01 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Instrument :
BNA_G
ClientSampleId :
0036DL

Tgt Ion: 237 Resp: 21159
Ion Ratio Lower Upper
237 100
235 59.1 39.4 79.4
272 11.5 0.0 32.0

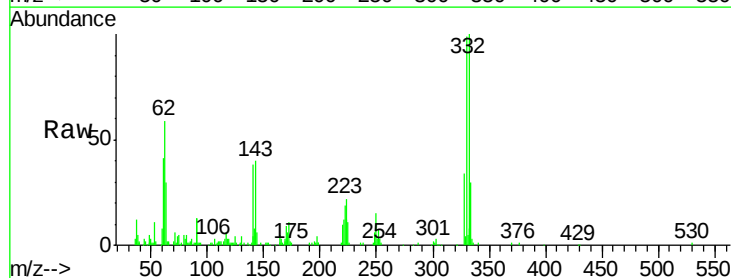


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

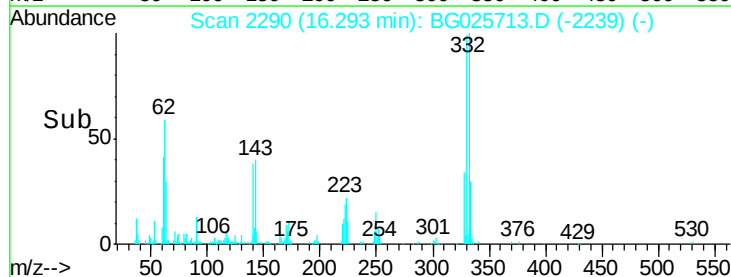
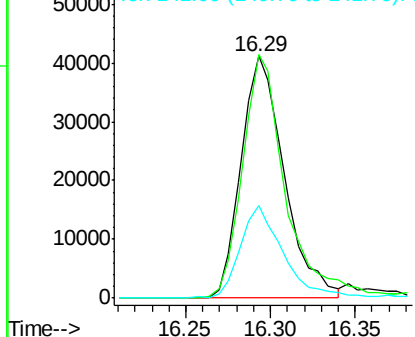


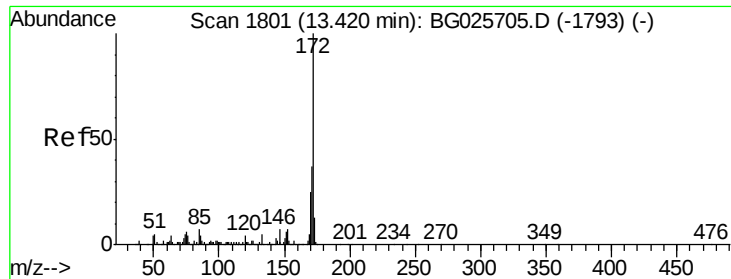
#41
2,4,6-Tribromophenol
Concen: 24.05 ng
RT: 16.29 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion: 330 Resp: 72981
Ion Ratio Lower Upper
330 100
332 101.0 77.3 115.9
141 38.2 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

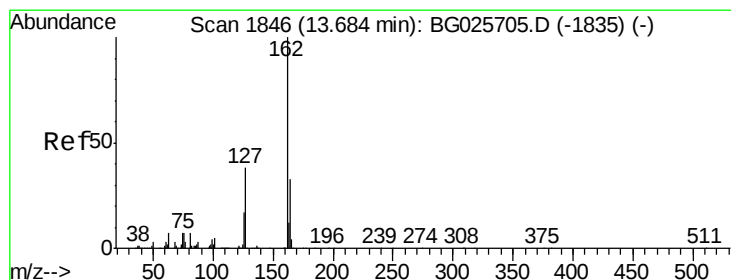
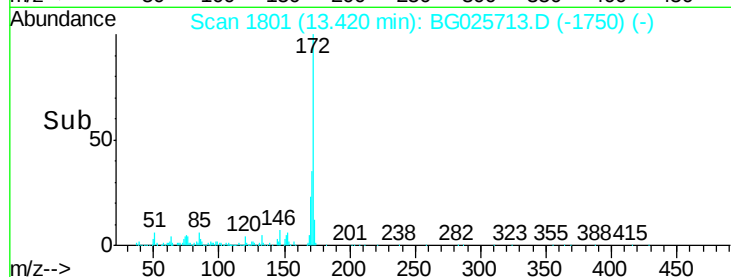
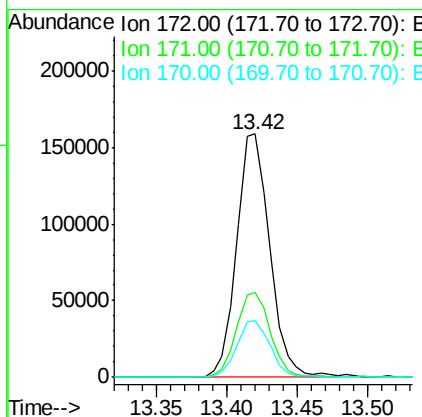
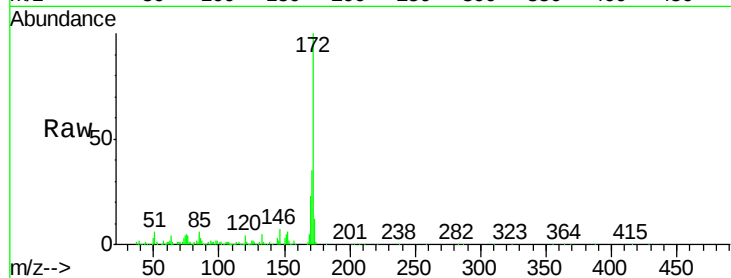




#44
 2-Fluorobiphenyl
 Concen: 19.91 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

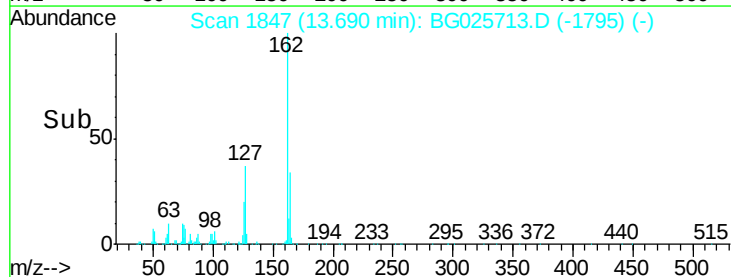
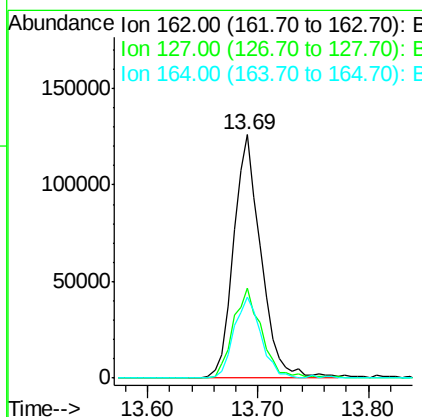
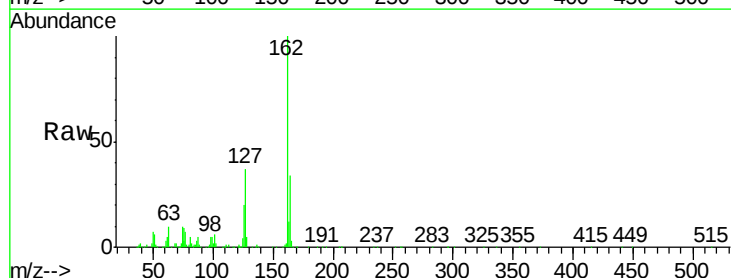
Instrument :
 BNA_G
 ClientSampleId :
 0036DL

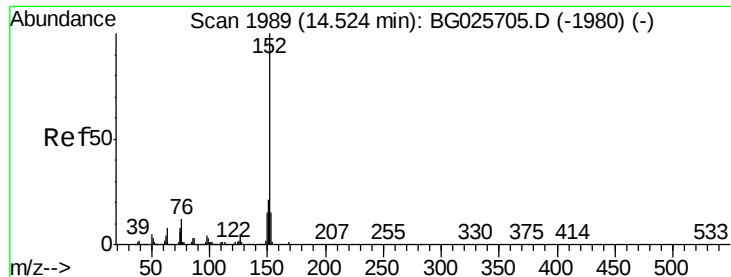
Tgt Ion:172 Resp: 260922
 Ion Ratio Lower Upper
 172 100
 171 34.9 32.2 48.2
 170 23.2 21.8 32.6



#46
 2-Chloronaphthalene
 Concen: 18.86 ng
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Tgt Ion:162 Resp: 219335
 Ion Ratio Lower Upper
 162 100
 127 37.1 32.2 48.4
 164 33.6 27.3 40.9





#48

Acenaphthylene

Concen: 18.31 ng

RT: 14.52 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

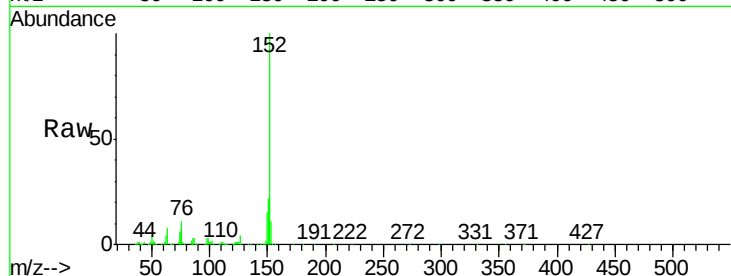
Tgt Ion:152 Resp: 354131

Ion Ratio Lower Upper

152 100

151 21.5 18.2 27.2

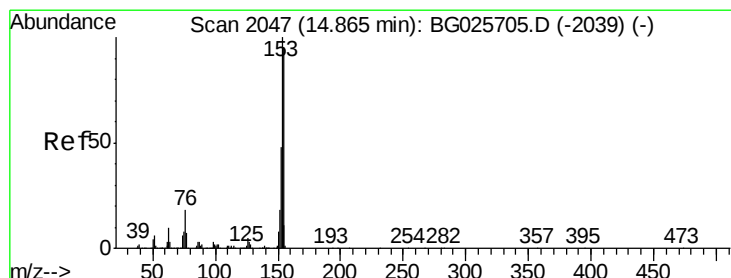
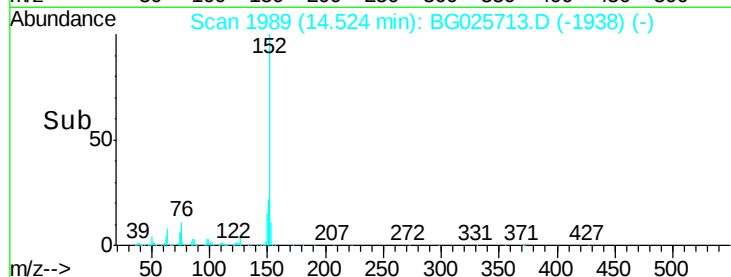
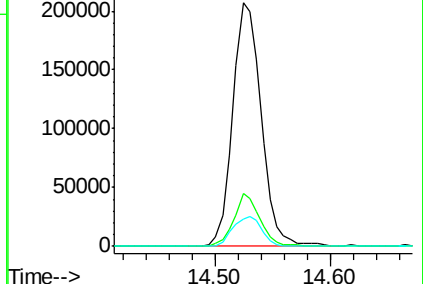
153 11.4 11.3 16.9



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



#51

Acenaphthene

Concen: 28.14 ng

RT: 14.87 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

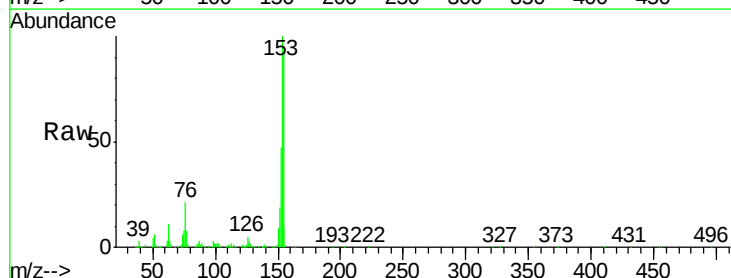
Tgt Ion:154 Resp: 336321

Ion Ratio Lower Upper

154 100

153 107.7 87.8 131.6

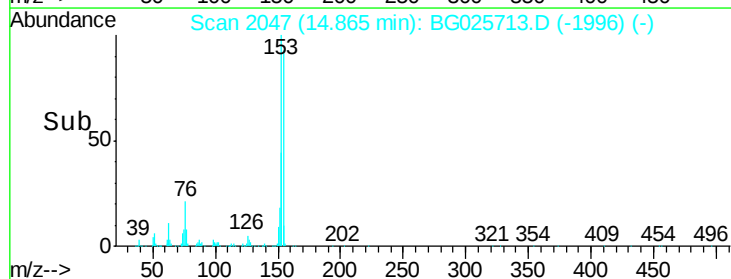
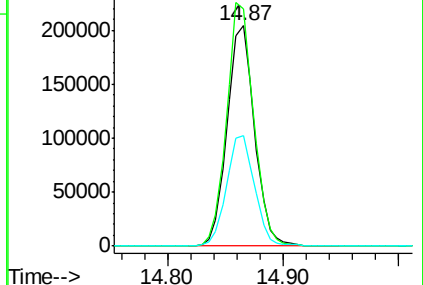
152 50.1 42.2 63.4

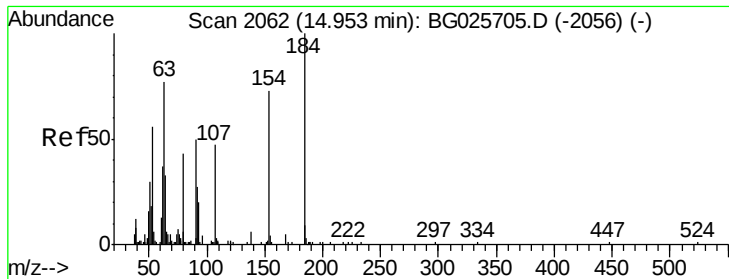


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 9.47 ng

RT: 14.95 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

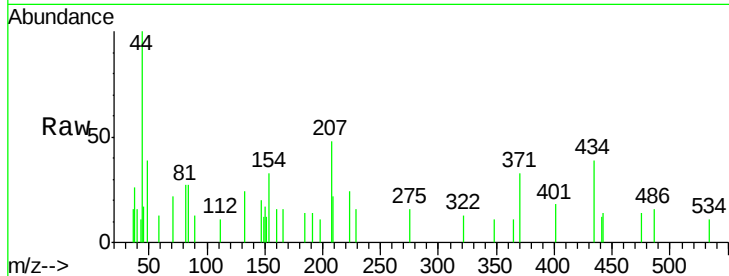
Tgt Ion:184 Resp: 72

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

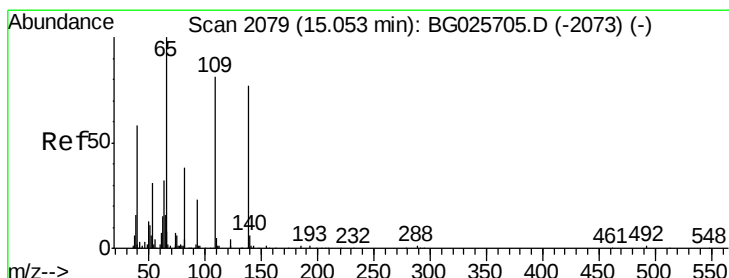
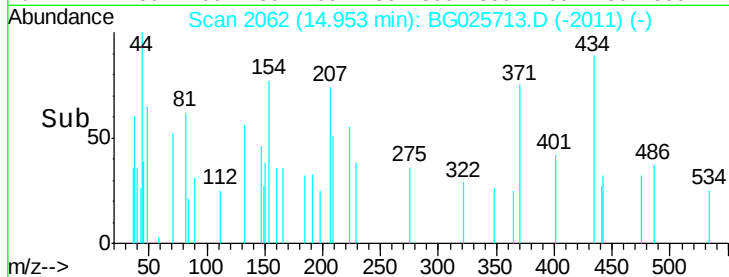
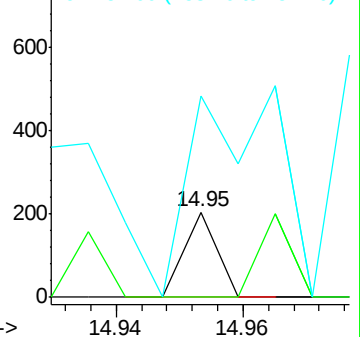
154 237.3 57.3 85.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 5.62 ng

RT: 14.92 min Scan# 2057

Delta R.T. -0.13 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

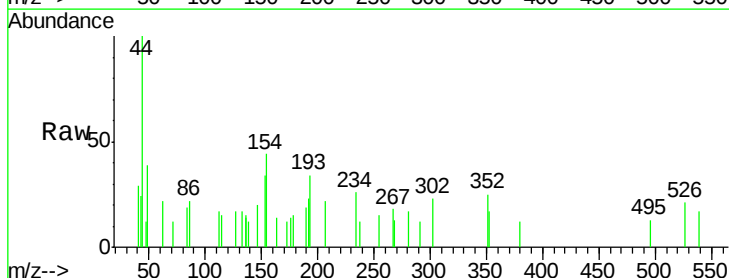
Tgt Ion:139 Resp: 111

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

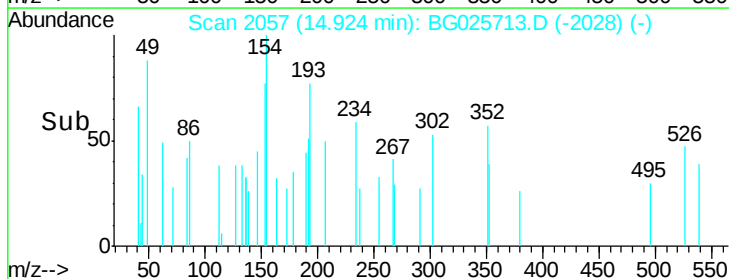
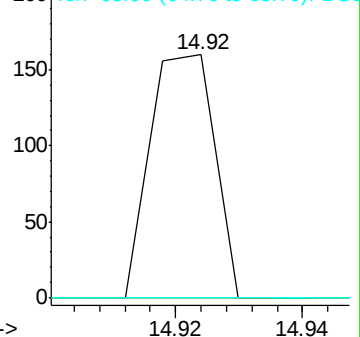
65 0.0 135.3 175.3#

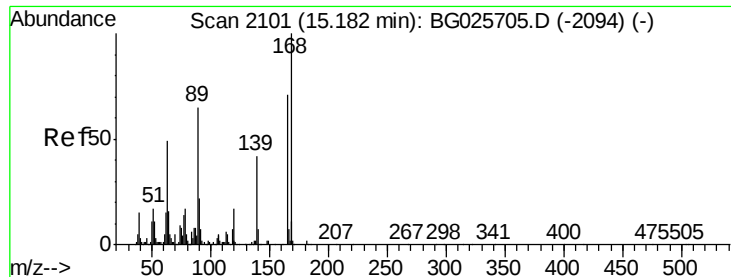


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#56

2,4-Dinitrotoluene

Concen: 4.07 ng

RT: 15.20 min Scan# 2104

Delta R.T. 0.02 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

Tgt Ion:165 Resp: 21597

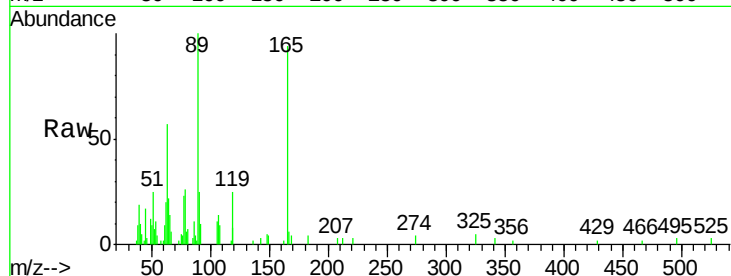
Ion Ratio Lower Upper

165 100

63 60.9 44.0 66.0

89 106.4 67.3 100.9#

182 4.4 3.8 5.6

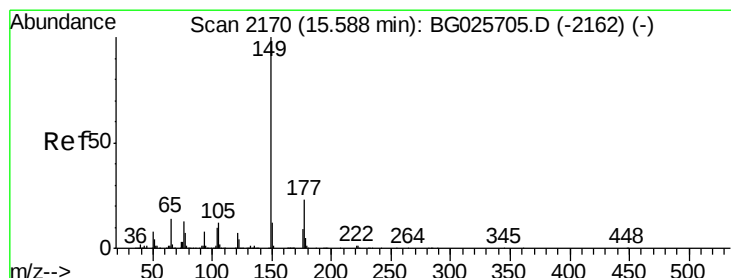
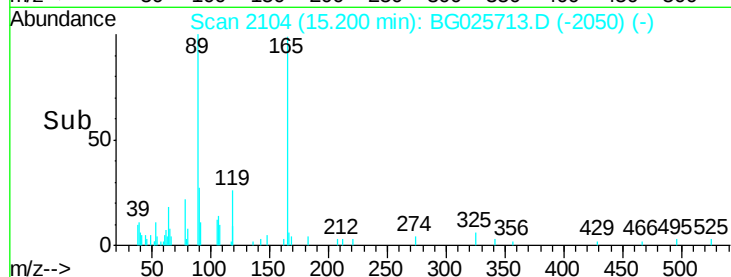
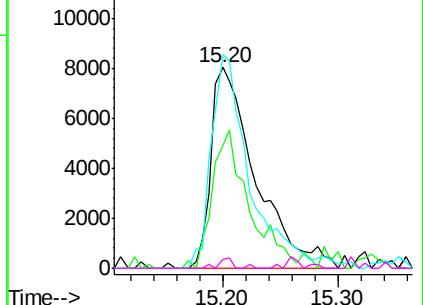


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#59

Diethylphthalate

Concen: 10.37 ng

RT: 15.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

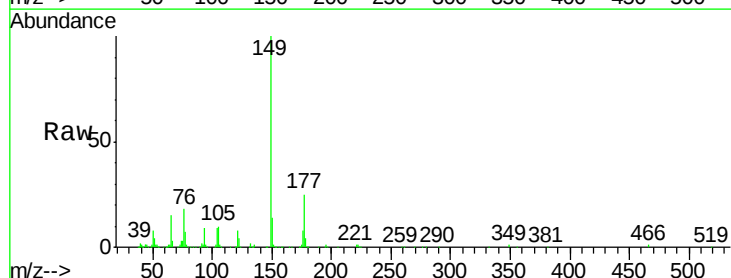
Tgt Ion:149 Resp: 176119

Ion Ratio Lower Upper

149 100

177 25.2 20.1 30.1

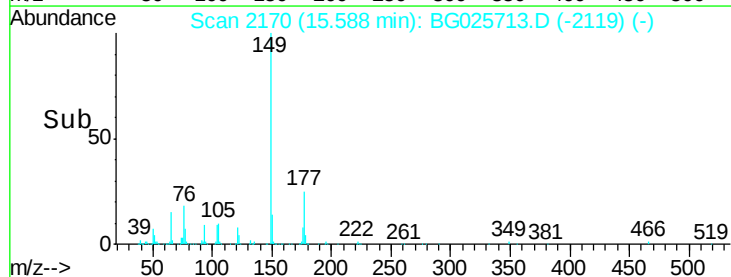
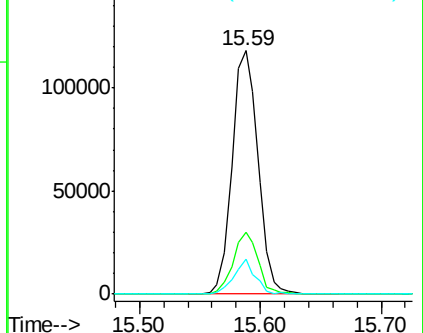
150 14.4 10.2 15.2

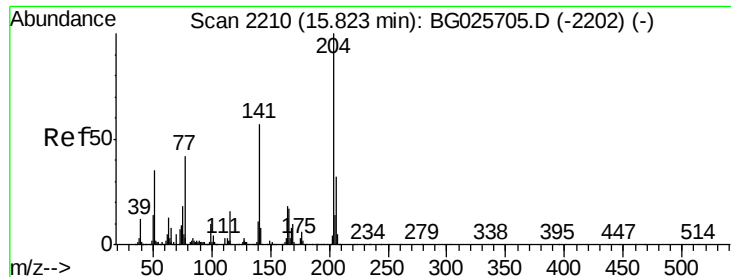


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

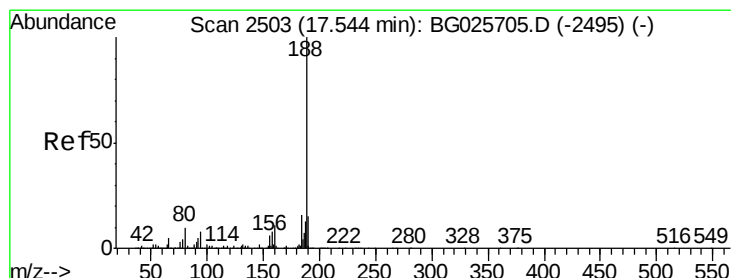
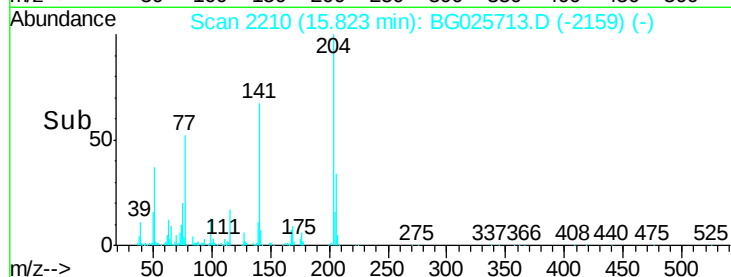
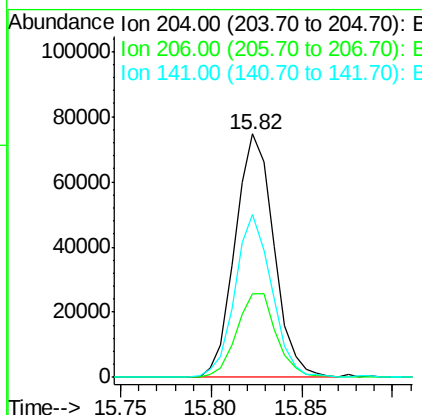
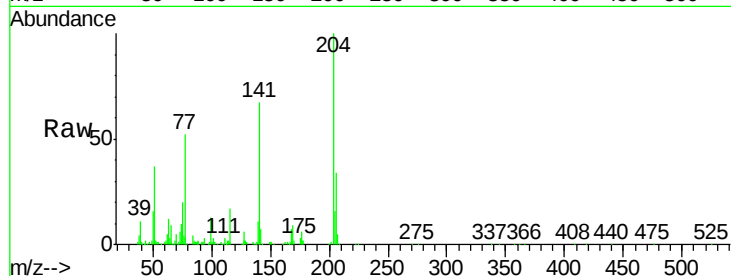




#60
 4-Chlorophenyl-phenylether
 Concen: 12.75 ng
 RT: 15.82 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

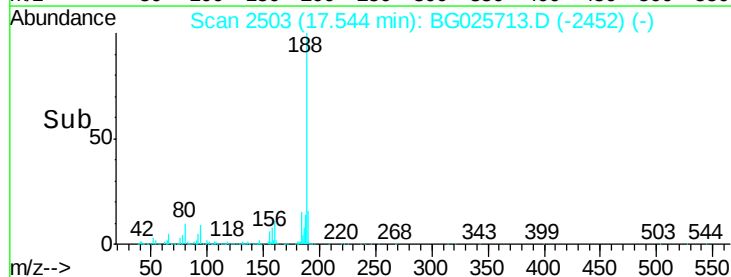
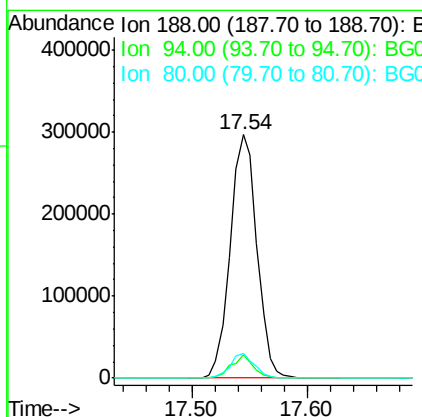
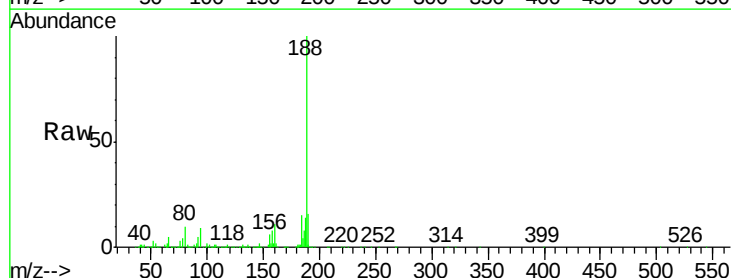
Instrument :
 BNA_G
 ClientSampleID :
 0036DL

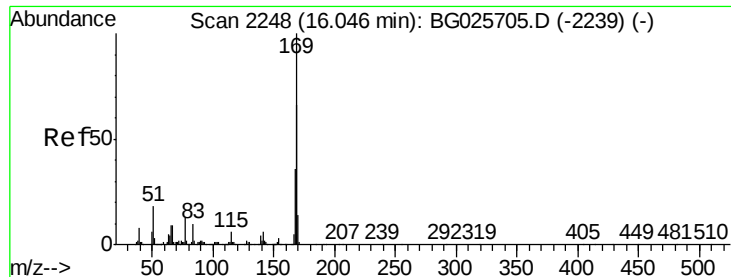
Tgt Ion: 204 Resp: 110877
 Ion Ratio Lower Upper
 204 100
 206 34.5 30.1 45.1
 141 67.1 50.6 76.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.54 min Scan# 2503
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Tgt Ion: 188 Resp: 474582
 Ion Ratio Lower Upper
 188 100
 94 9.4 5.8 8.8#
 80 9.9 7.5 11.3





#65

n-Nitrosodiphenylamine

Concen: 9.00 ng

RT: 16.05 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

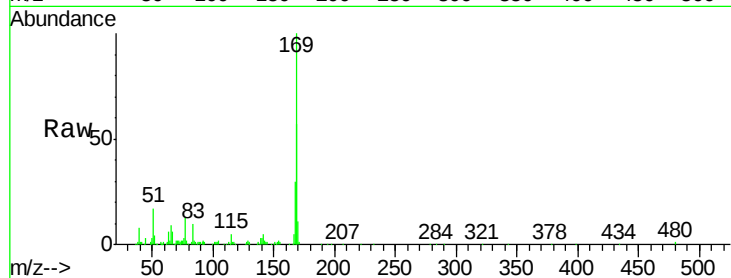
Tgt Ion:169 Resp: 122626

Ion Ratio Lower Upper

169 100

168 57.1 55.7 83.5

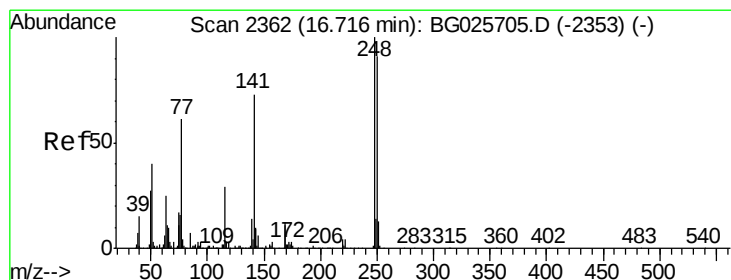
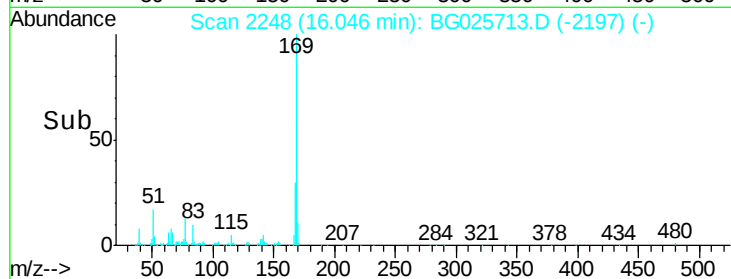
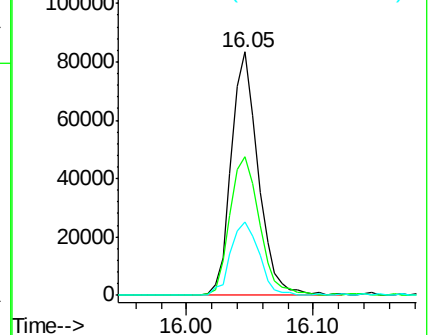
167 29.9 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 14.66 ng

RT: 16.72 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

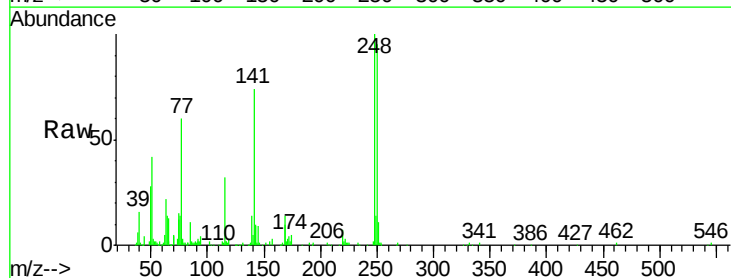
Tgt Ion:248 Resp: 84593

Ion Ratio Lower Upper

248 100

250 94.9 75.0 112.6

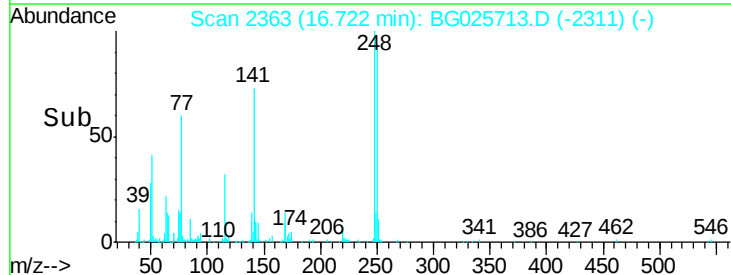
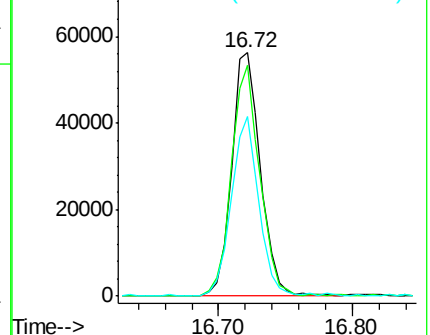
141 73.6 55.2 82.8

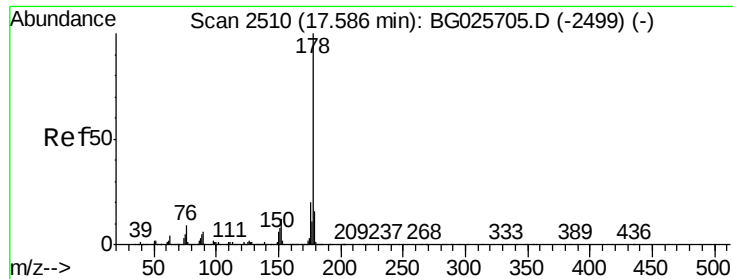


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 26.85 ng

RT: 17.59 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

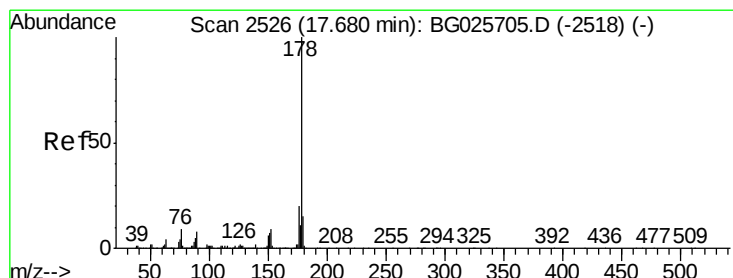
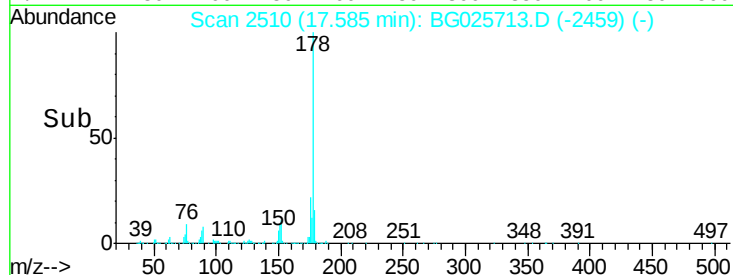
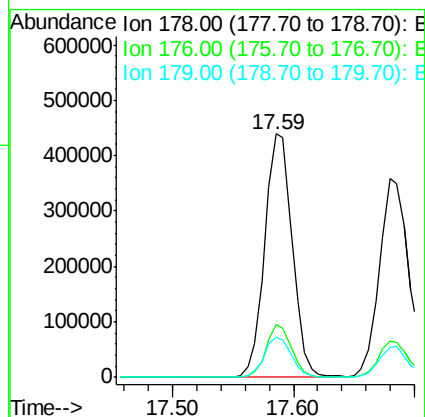
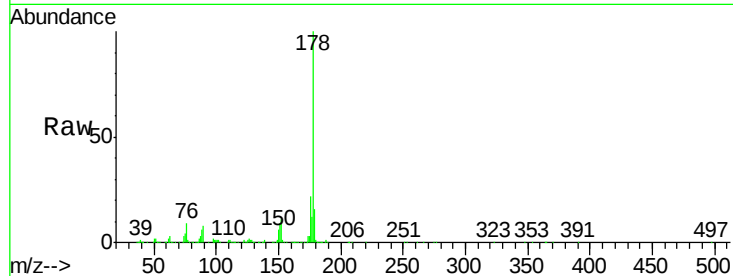
Tgt Ion:178 Resp: 692355

Ion Ratio Lower Upper

178 100

176 21.7 17.7 26.5

179 16.4 15.0 22.6



#71

Anthracene

Concen: 23.71 ng

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

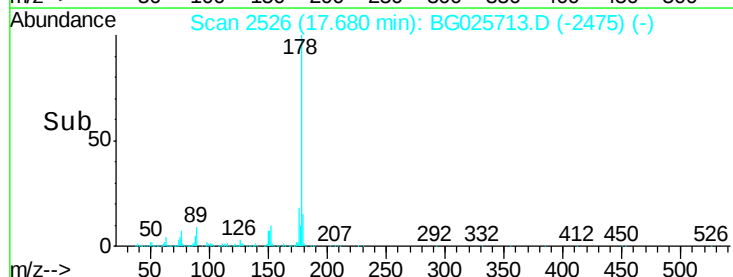
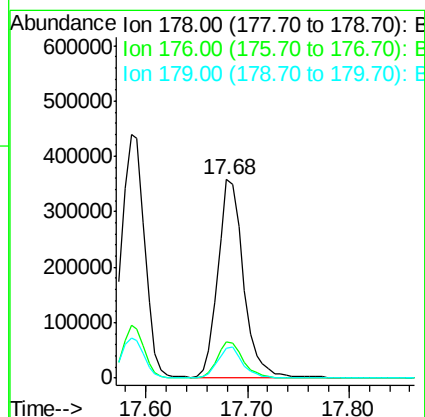
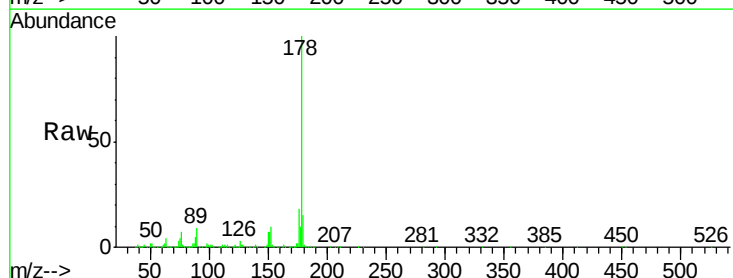
Tgt Ion:178 Resp: 630476

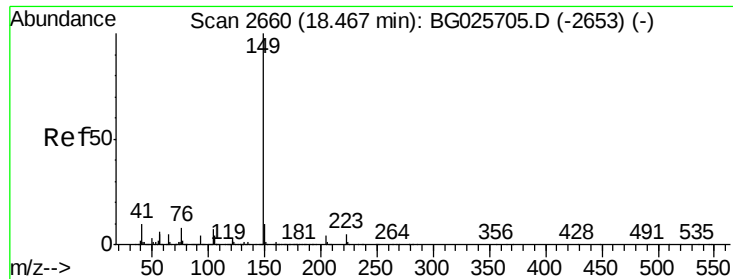
Ion Ratio Lower Upper

178 100

176 18.3 16.4 24.6

179 15.0 13.8 20.8





#73

Di-n-butylphthalate

Concen: 19.22 ng

RT: 18.47 min Scan# 2660

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

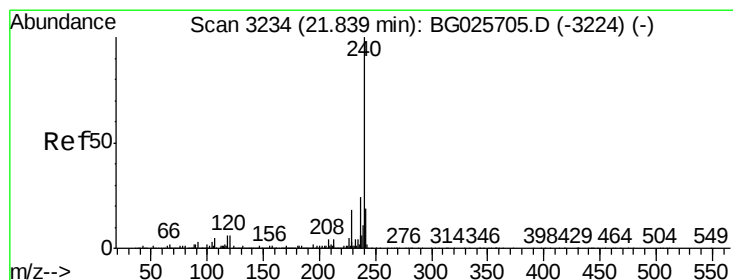
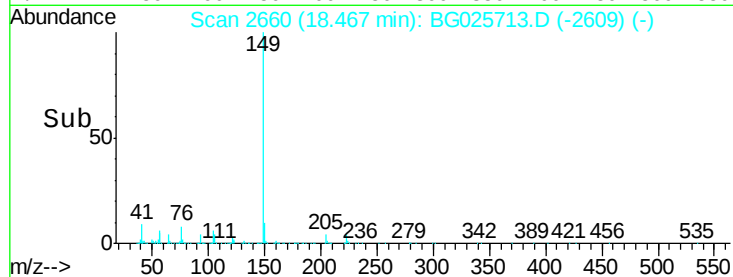
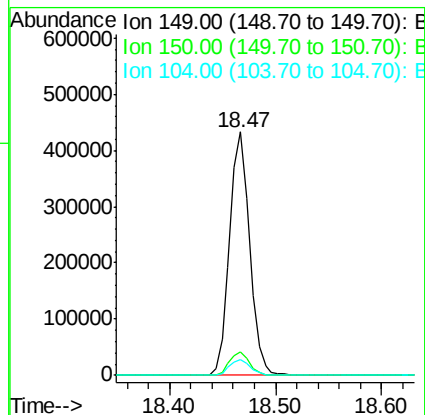
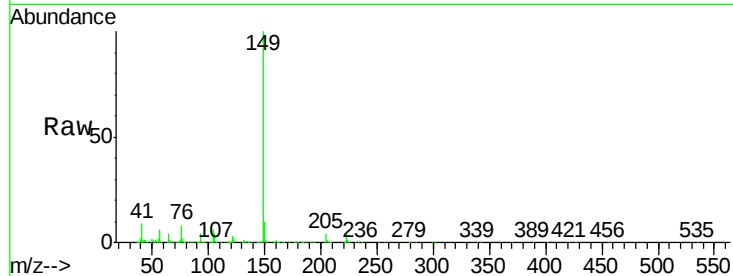
Tgt Ion:149 Resp: 572712

Ion Ratio Lower Upper

149 100

150 9.7 9.1 13.7

104 6.5 6.7 10.1#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3233

Delta R.T. -0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

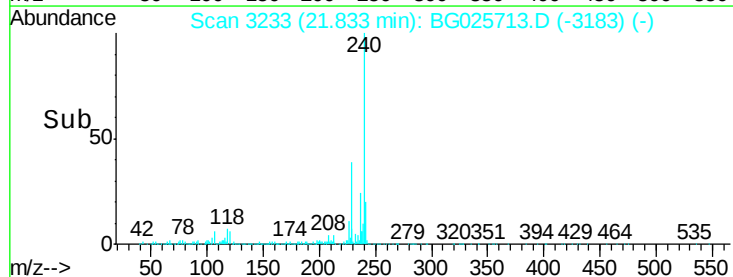
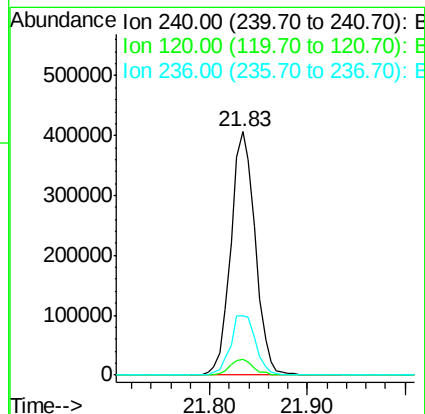
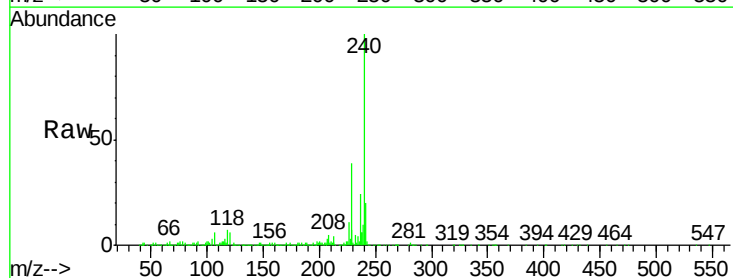
Tgt Ion:240 Resp: 704722

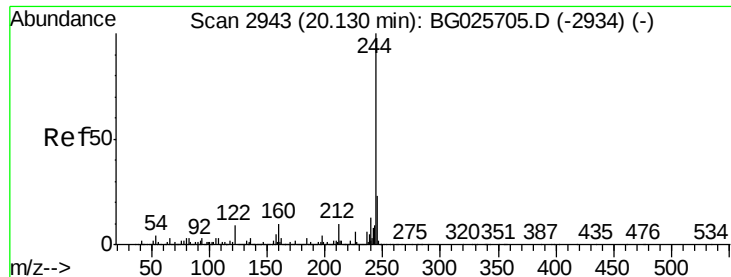
Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

236 24.2 22.2 33.4





#78

Terphenyl-d14

Concen: 19.45 ng

RT: 20.12 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

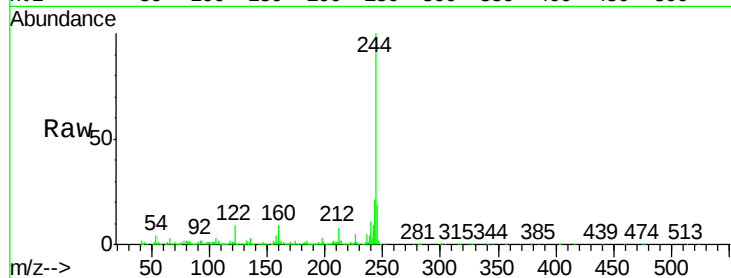
Tgt Ion:244 Resp: 567905

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

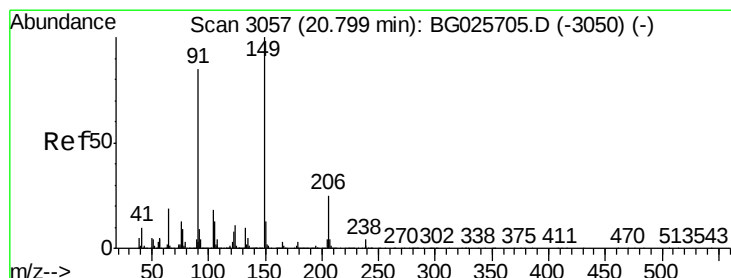
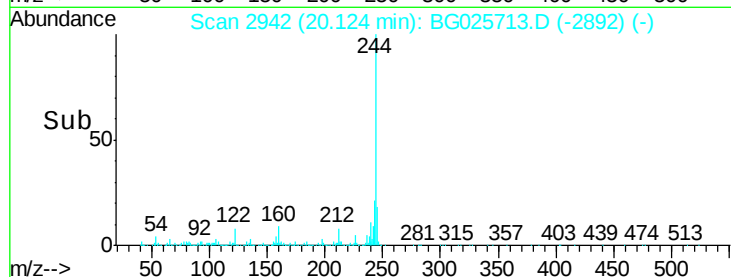
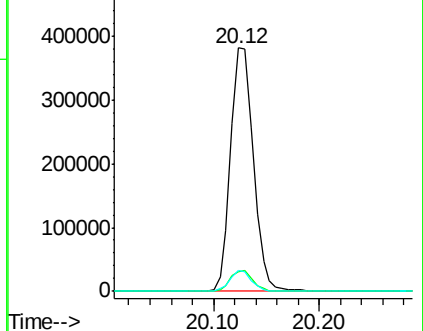
122 8.5 8.6 12.8#



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



#79

Butylbenzylphthalate

Concen: 33.72 ng

RT: 20.80 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

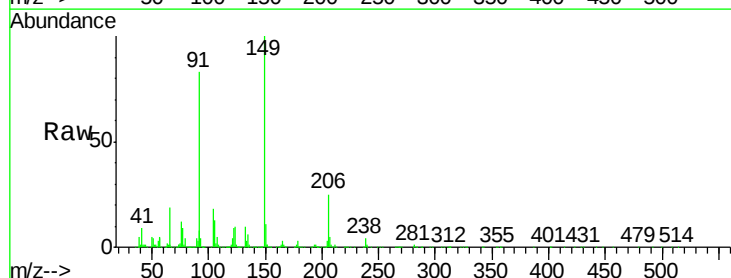
Tgt Ion:149 Resp: 549642

Ion Ratio Lower Upper

149 100

91 82.7 63.5 95.3

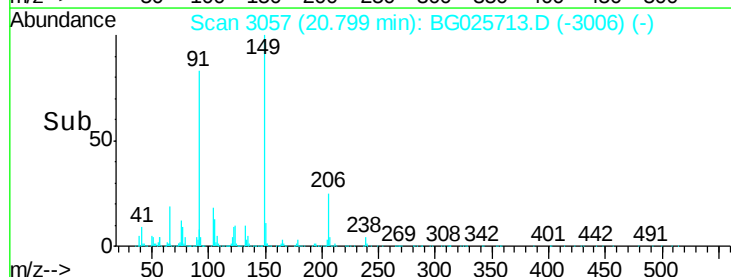
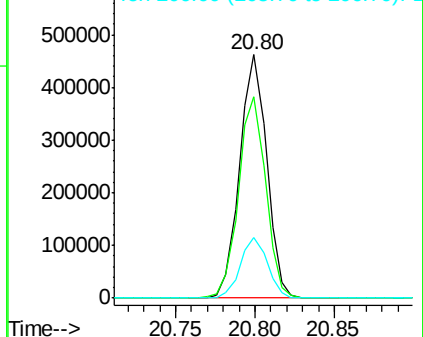
206 24.7 21.0 31.6

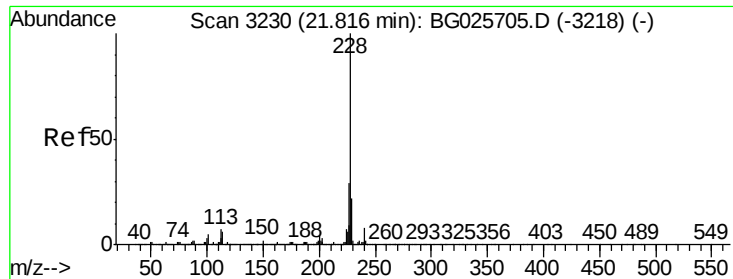


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 34.36 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.00 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

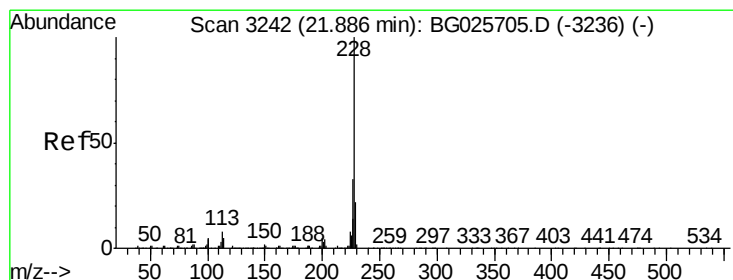
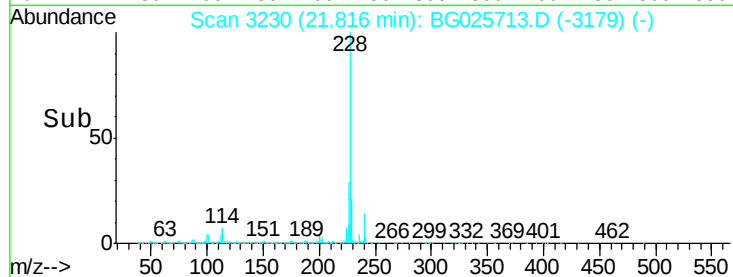
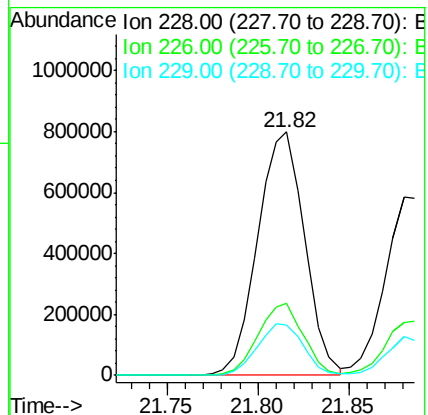
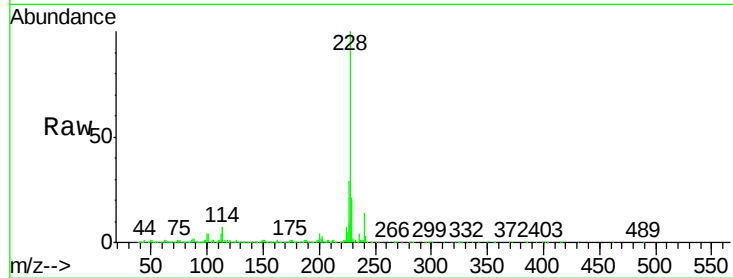
Tgt Ion:228 Resp: 1433936

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

229 20.5 18.2 27.2



#82

Chrysene

Concen: 27.33 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

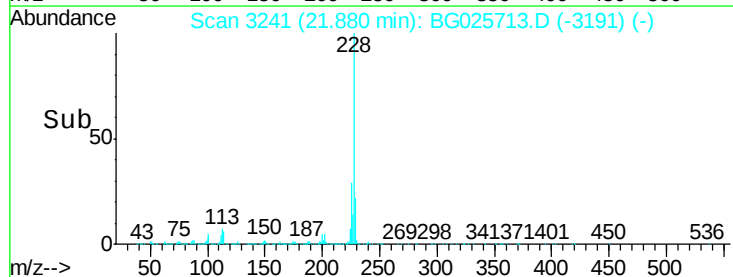
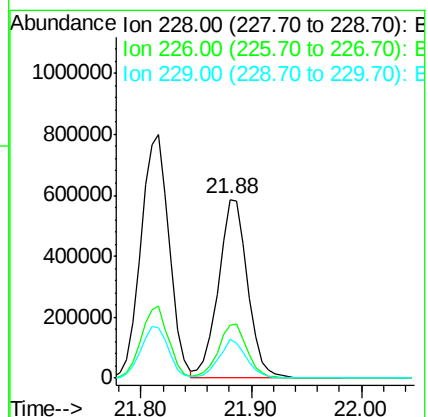
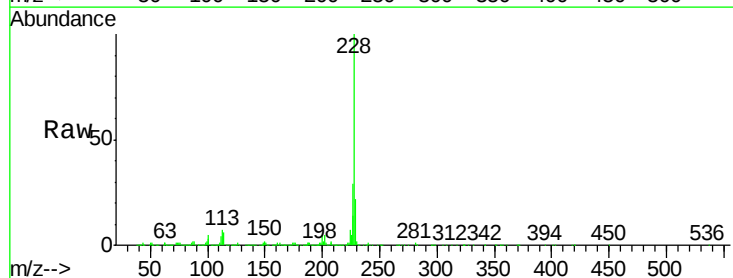
Tgt Ion:228 Resp: 1077976

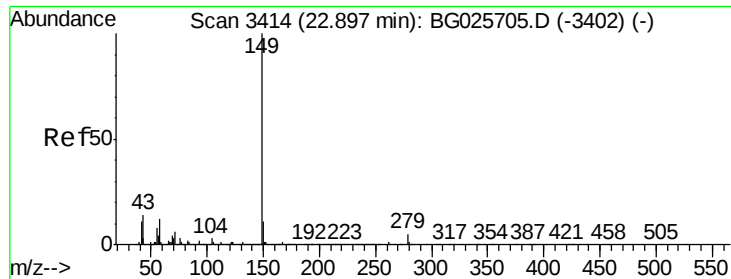
Ion Ratio Lower Upper

228 100

226 29.3 27.0 40.4

229 22.0 17.8 26.6

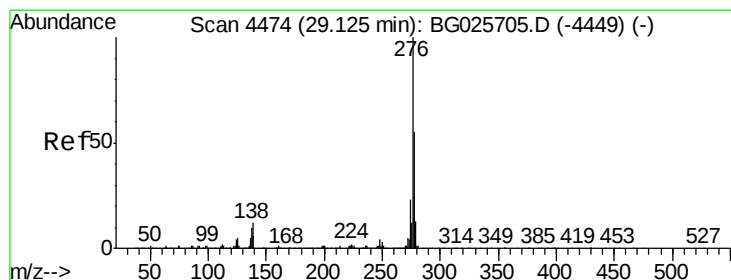
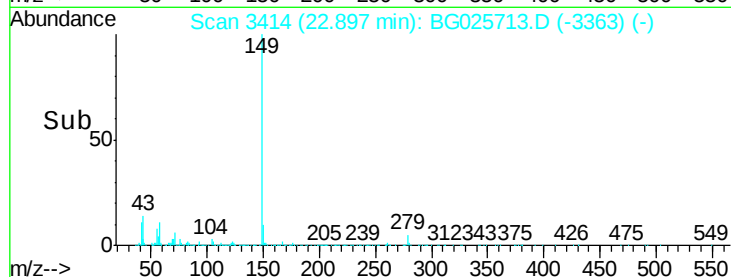
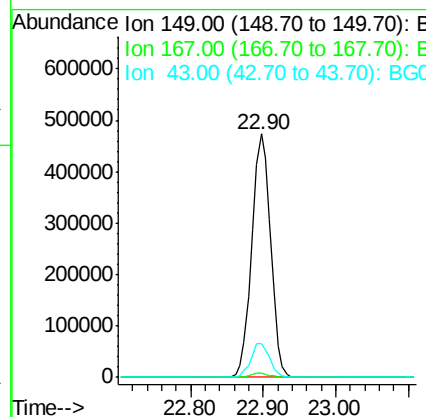
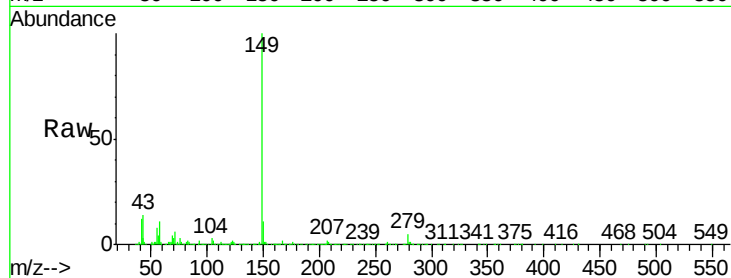




#84
Di-n-octyl phthalate
Concen: 23.13 ng
RT: 22.90 min Scan# 3414
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

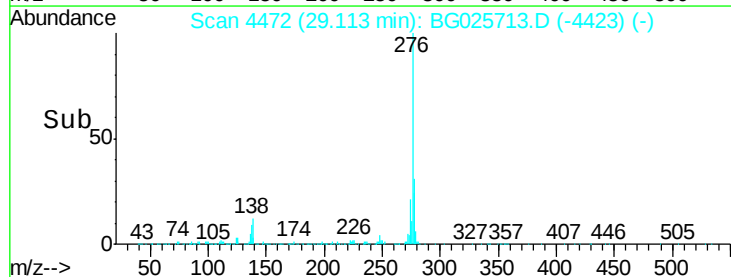
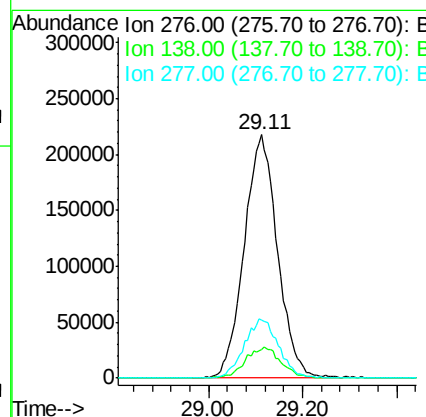
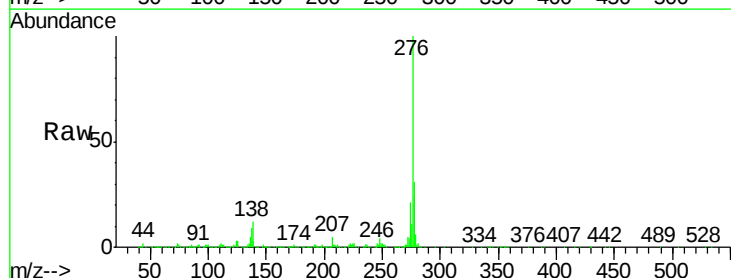
Instrument :
BNA_G
ClientSampleId :
0036DL

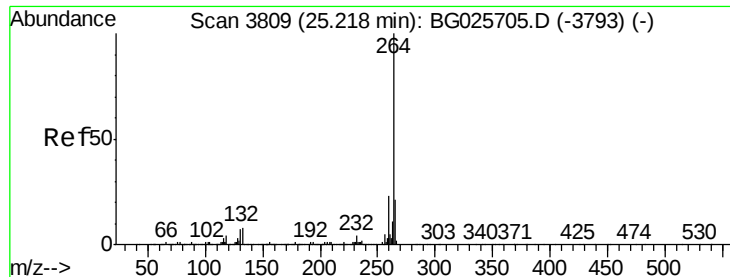
Tgt Ion:149 Resp: 852748
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.2
43 13.7 11.8 17.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 22.24 ng
RT: 29.11 min Scan# 4472
Delta R.T. -0.01 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion:276 Resp: 1069343
Ion Ratio Lower Upper
276 100
138 13.5 4.7 7.1#
277 25.1 20.6 31.0



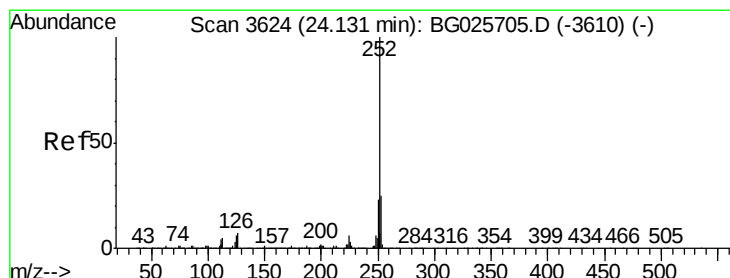
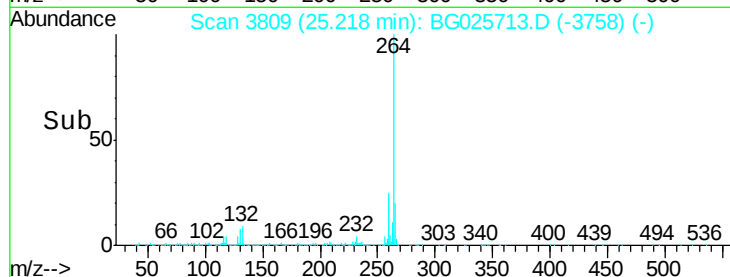
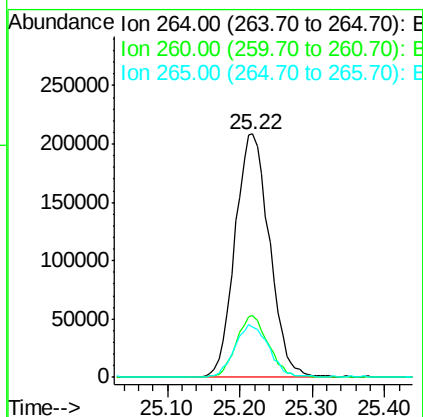
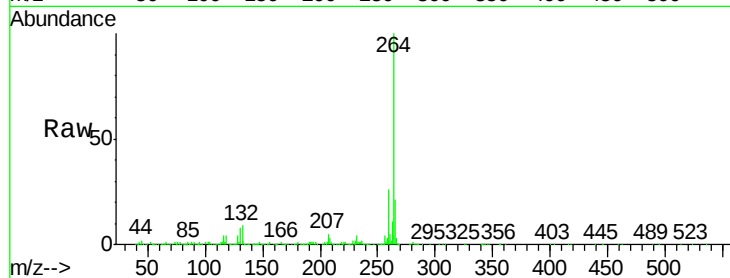


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.22 min Scan# 3809
Delta R.T. -0.00 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Instrument :
BNA_G
ClientSampleId :
0036DL

Tgt Ion: 264 Resp: 688299

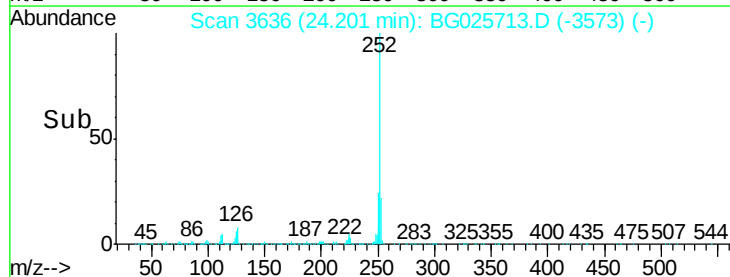
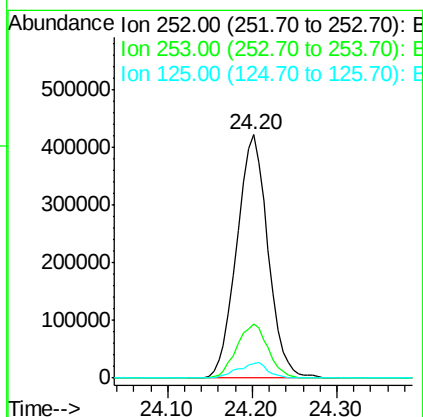
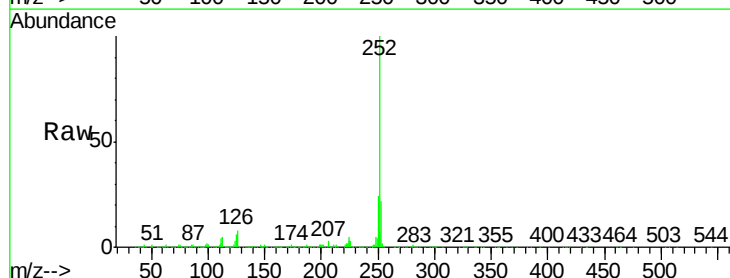
Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.8	32.8
265	20.7	18.2	27.4

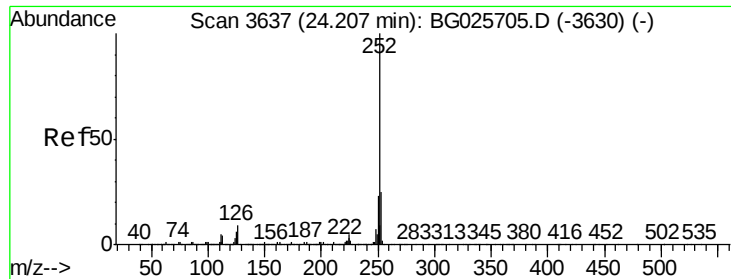


#87
Benzo(b)fluoranthene
Concen: 27.12 ng
RT: 24.20 min Scan# 3636
Delta R.T. 0.07 min
Lab File: BG025713.D
Acq: 30 Jan 2017 20:31

Tgt Ion: 252 Resp: 1079044

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	6.2	5.3	7.9





#88

Benzo(k)fluoranthene

Concen: 27.71 ng

RT: 24.20 min Scan# 3636

Delta R.T. -0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

Instrument :

BNA_G

ClientSampleId :

0036DL

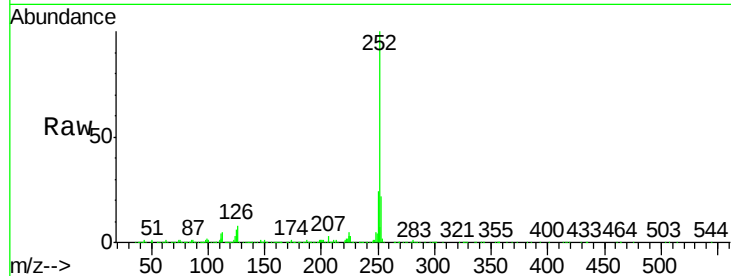
Tgt Ion:252 Resp: 1079044

Ion Ratio Lower Upper

252 100

253 22.2 20.2 30.2

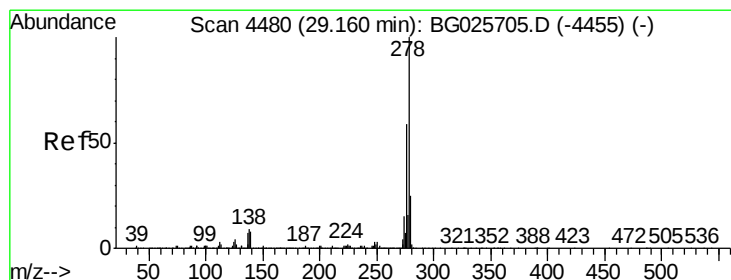
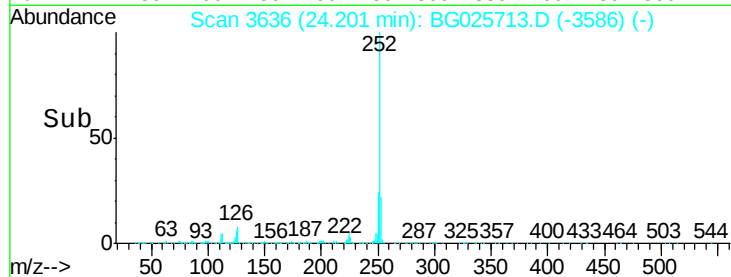
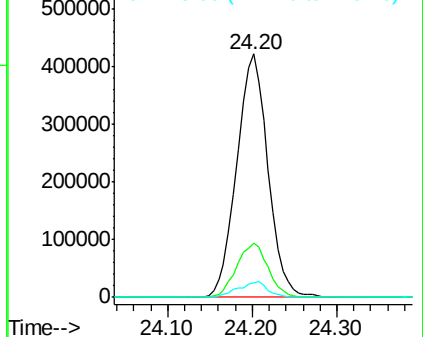
125 6.2 5.1 7.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 16.17 ng

RT: 29.15 min Scan# 4478

Delta R.T. -0.01 min

Lab File: BG025713.D

Acq: 30 Jan 2017 20:31

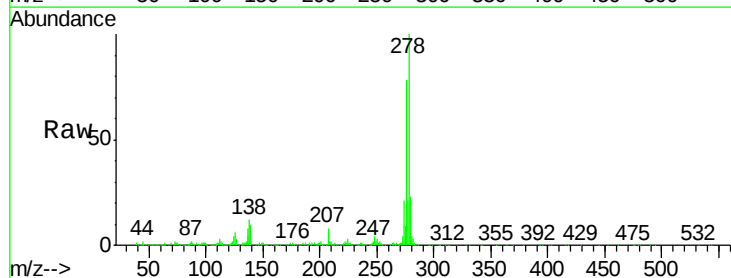
Tgt Ion:278 Resp: 632845

Ion Ratio Lower Upper

278 100

139 9.9 7.7 11.5

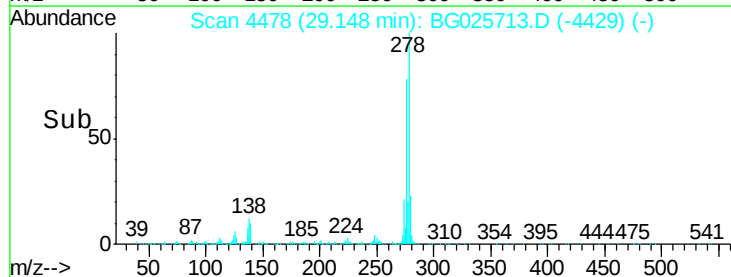
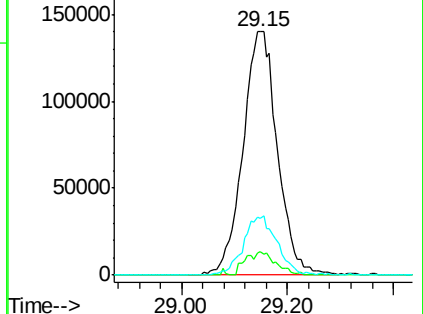
279 23.4 19.1 28.7

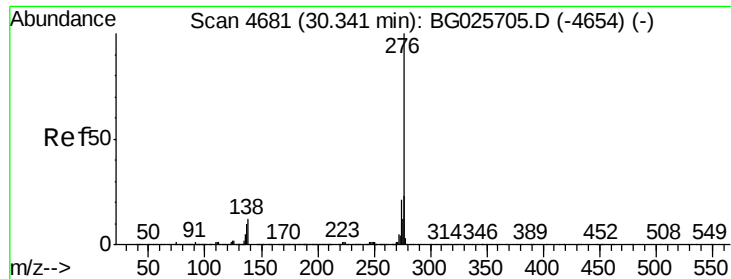


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 34.19 ng
 RT: 30.34 min Scan# 4681
 Delta R.T. -0.00 min
 Lab File: BG025713.D
 Acq: 30 Jan 2017 20:31

Instrument :
 BNA_G
 ClientSampleId :
 0036DL

Tgt Ion: 276 Resp: 1329587

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	27.8
138	9.8	8.1	12.1

