

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031749.D
 Acq On : 23 Dec 2017 15:11
 Operator : SJ/JU
 Sample : I7022-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 352

Quant Time: Dec 25 04:47:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

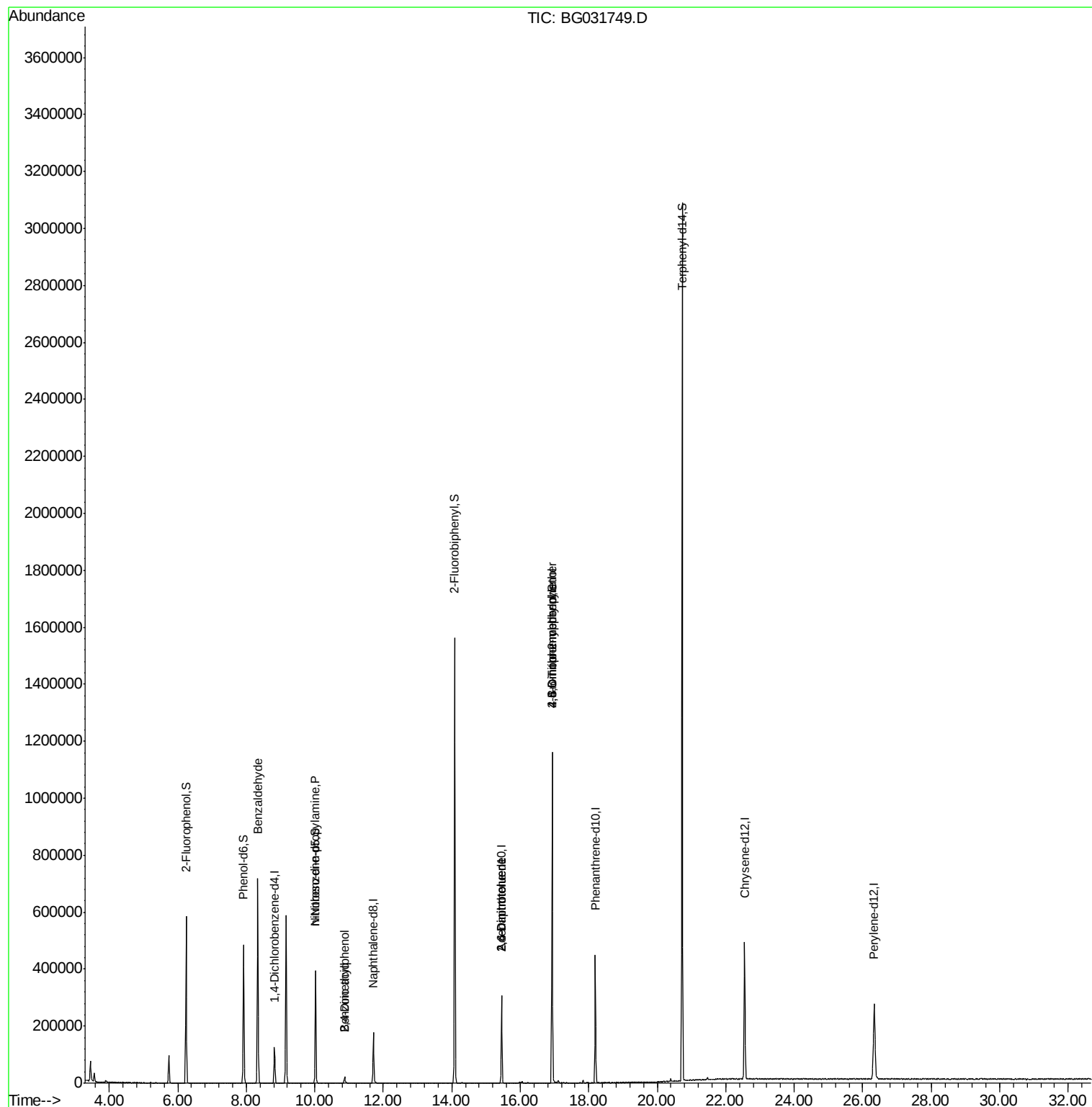
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	43887	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	177381	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	121683	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	307918	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	359605	20.00	ng	-0.02
86) Perylene-d12	26.33	264	379373	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	322442	133.82	ng	0.00
7) Phenol-d6	7.92	99	344967	110.27	ng	0.00
23) Nitrobenzene-d5	10.02	82	257957	109.81	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	294508	158.62	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	943783	97.35	ng	-0.01
78) Terphenyl-d14	20.73	244	1678579	106.64	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.34	77	8497	4.511	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	10.02	70	34556	16.174	ng	# 71
27) 2,4-Dimethylphenol	10.87	122	10857	4.065	ng	# 1
32) Benzoic acid	10.87	122	10857	11.824	ng	# 70
50) 2,6-Dinitrotoluene	15.46	165	15199	7.707	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	15199	5.994	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.94	198	558	8.614	ng	# 44
66) 4-Bromophenyl-phenylether	16.93	248	23610	5.302	ng	# 1

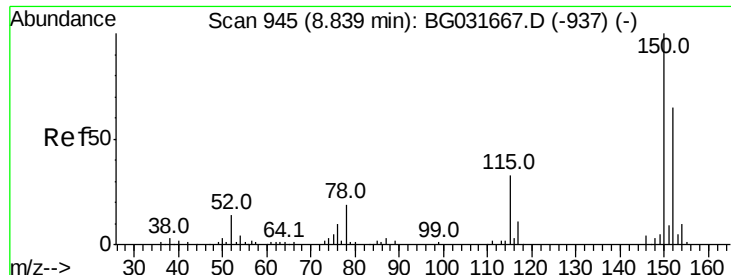
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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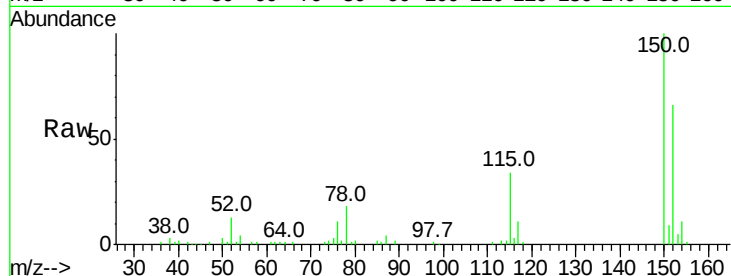


#1

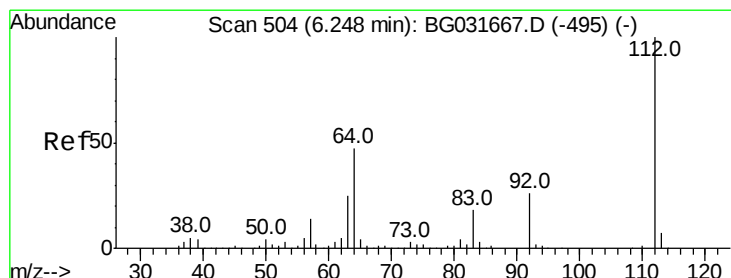
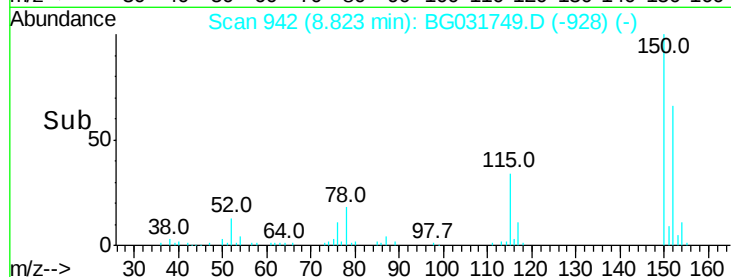
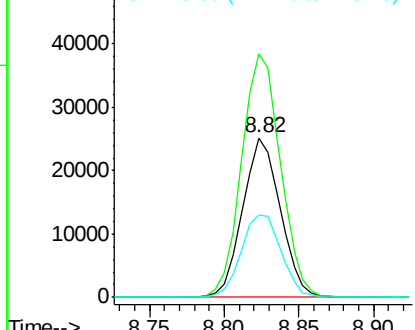
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

Instrument :
BNA_G
ClientSampleId :
352

Tot Ion:152 Resp: 43887
Ion Ratio Lower Upper
152 100
150 152.6 126.6 189.8
115 51.3 53.0 79.4#



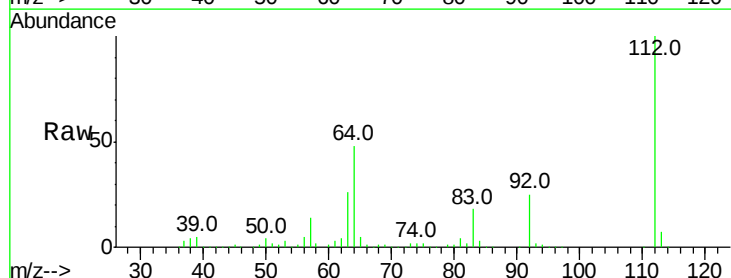
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



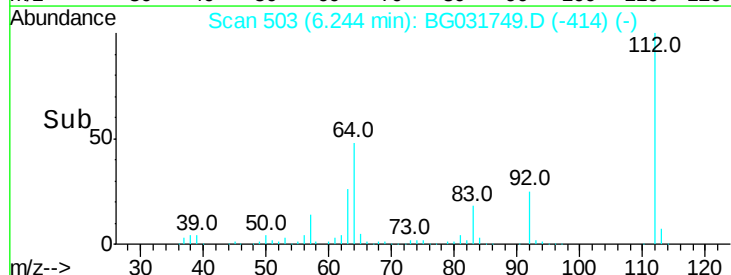
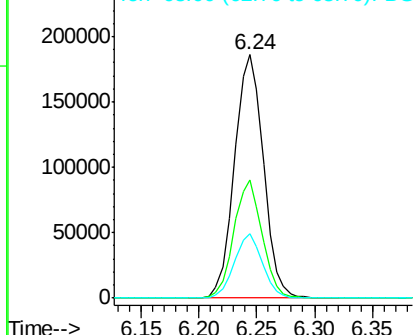
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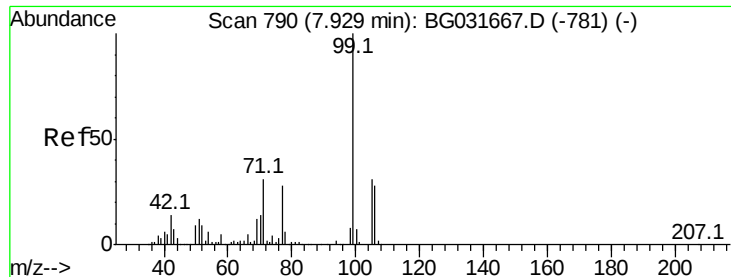
2-Fluorophenol
Concen: 133.819 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

Tgt Ion:112 Resp: 322442
Ion Ratio Lower Upper
112 100
64 48.3 56.3 84.5#
63 26.3 30.1 45.1#



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





#7

Phenol-d6

Concen: 110.270 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

Instrument :

BNA_G

ClientSampleId :

352

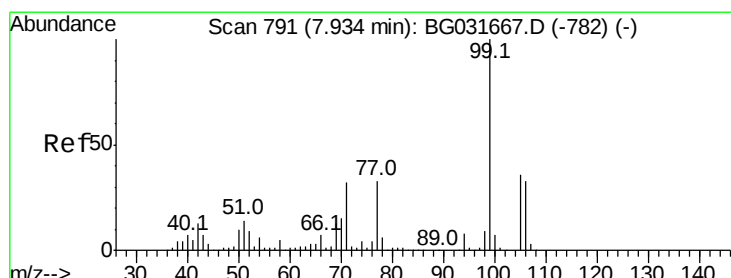
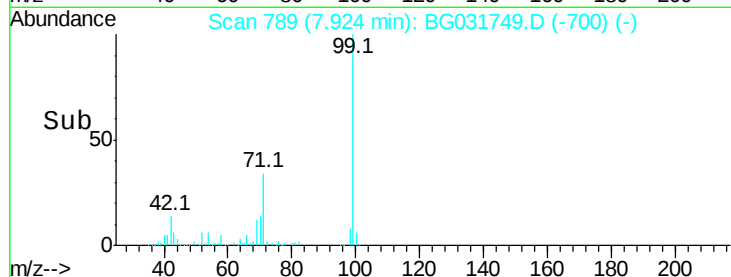
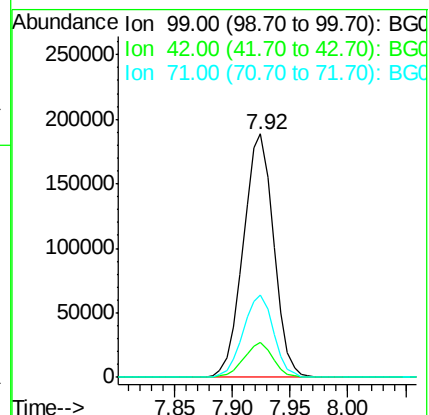
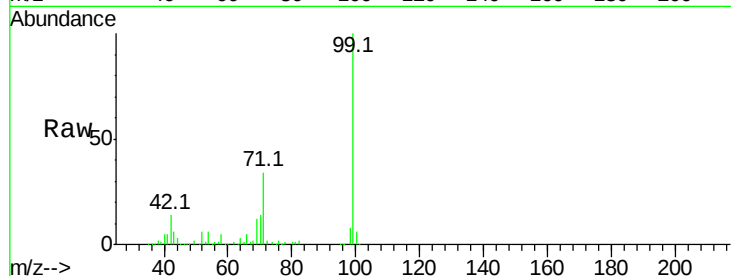
Tot Ion: 99 Resp: 344967

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

71 33.6 26.1 39.1



#9

Benzaldehyde

Concen: 4.511 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

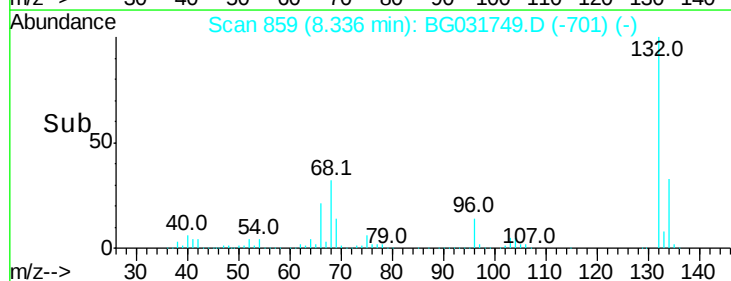
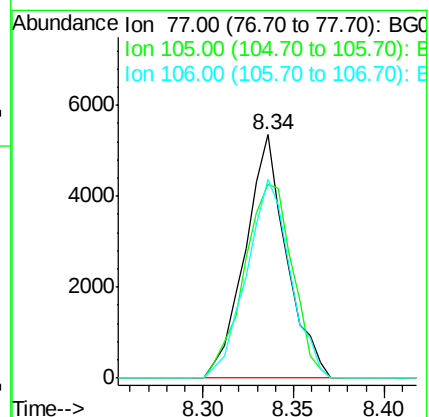
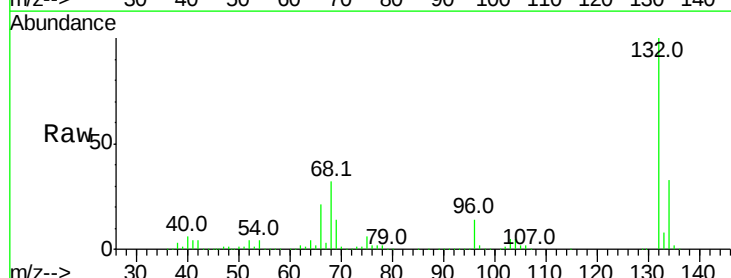
Tgt Ion: 77 Resp: 8497

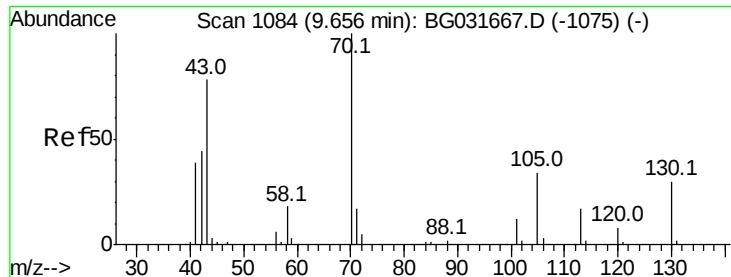
Ion Ratio Lower Upper

77 100

105 79.6 71.3 111.3

106 81.6 64.2 104.2

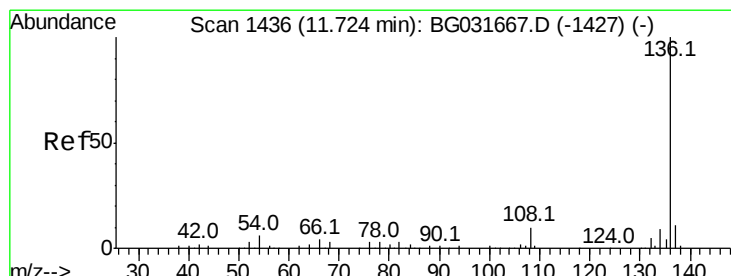
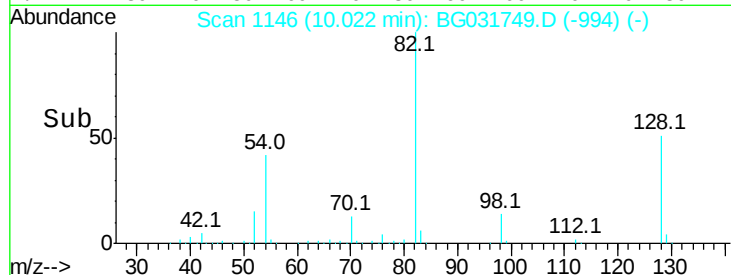
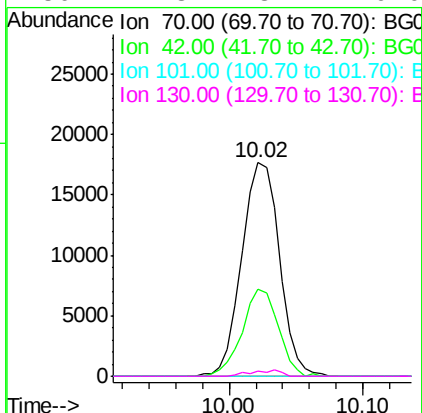
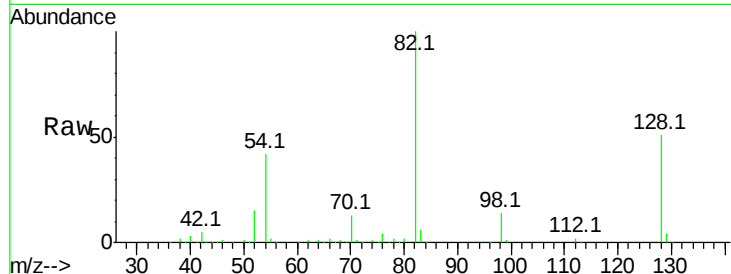




#19
n-Nitroso-di-n-propylamine
Concen: 16.174 ng
RT: 10.02 min Scan# 1146
Delta R.T. 0.37 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

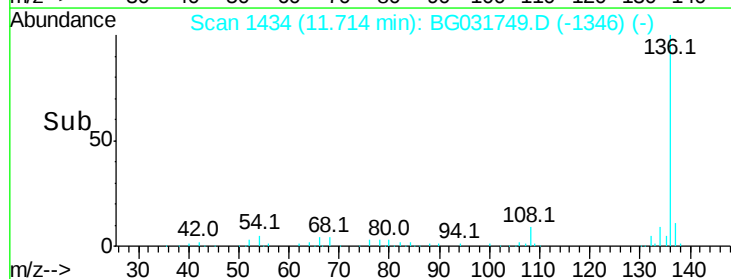
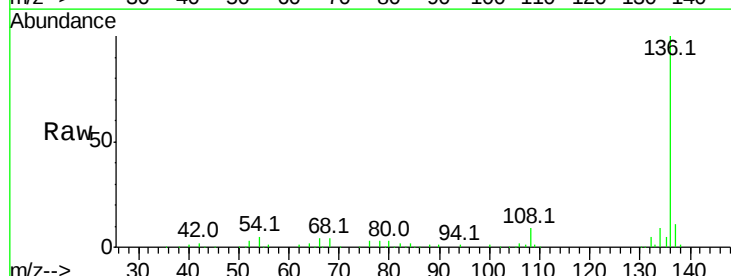
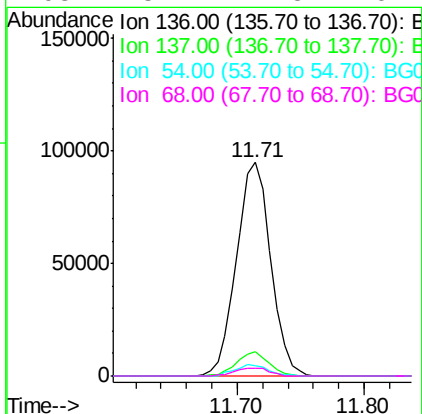
Instrument :
BNA_G
ClientSampleId :
352

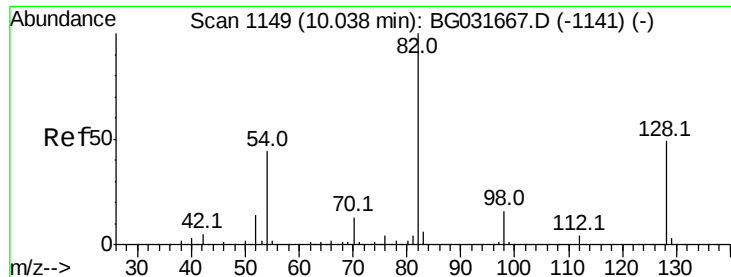
Tot Ion: 70 Resp: 34556
Ion Ratio Lower Upper
70 100
42 40.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

Tgt Ion:136 Resp: 177381
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 4.9 10.3 15.5#
68 3.7 4.5 6.7#

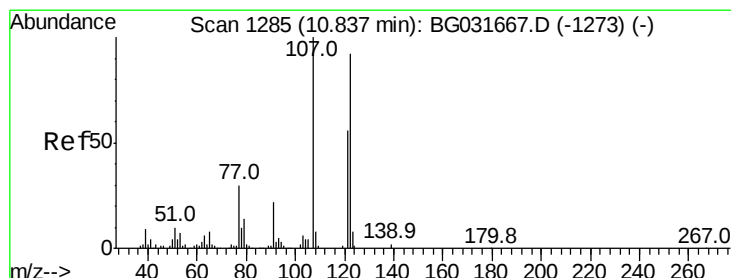
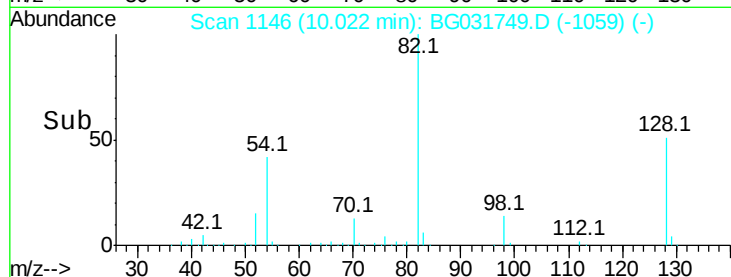
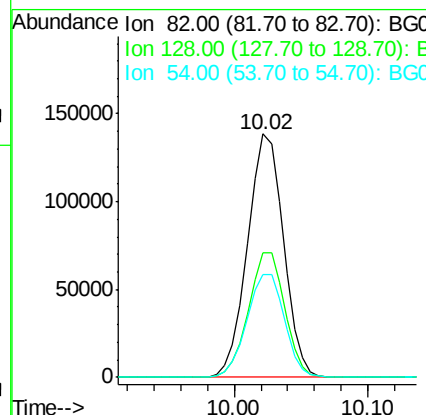
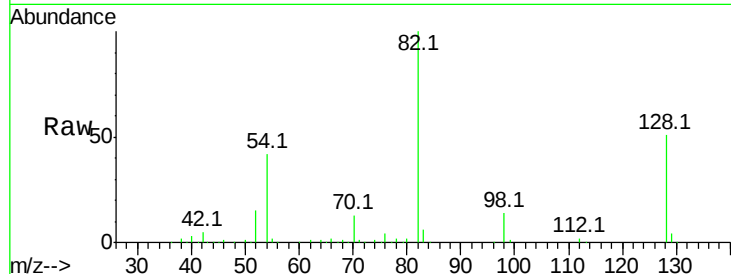




#23
 Nitrobenzene-d5
 Concen: 109.814 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

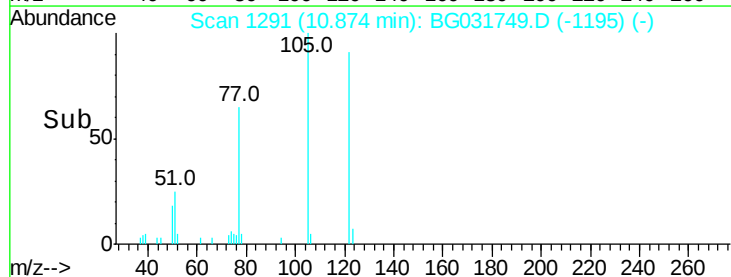
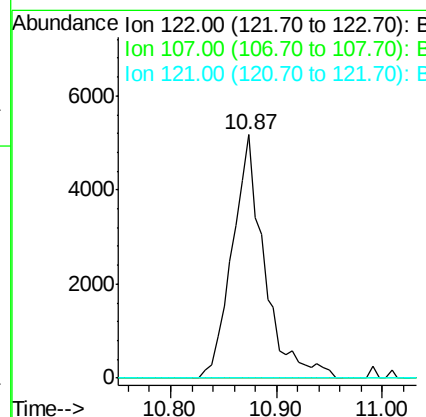
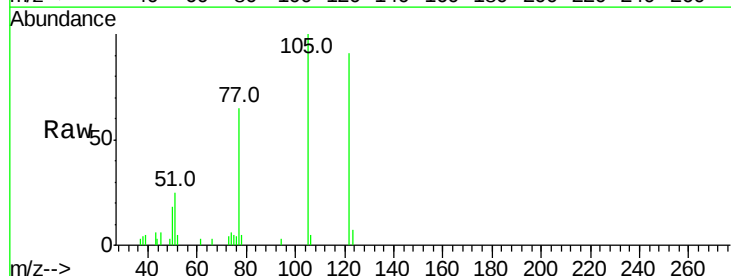
Instrument :
 BNA_G
 ClientSampleId :
 352

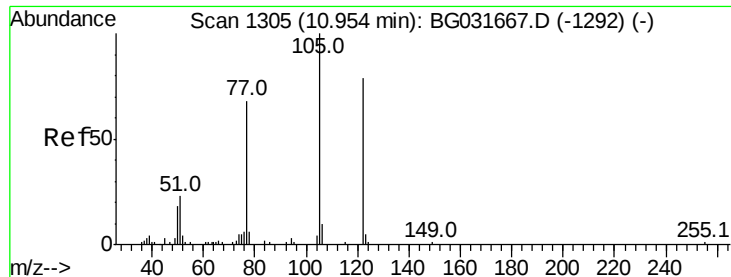
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.2	29.7	44.5#
54	42.2	43.1	64.7#



#27
 2,4-Dimethylphenol
 Concen: 4.065 ng
 RT: 10.87 min Scan# 1291
 Delta R.T. 0.04 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#

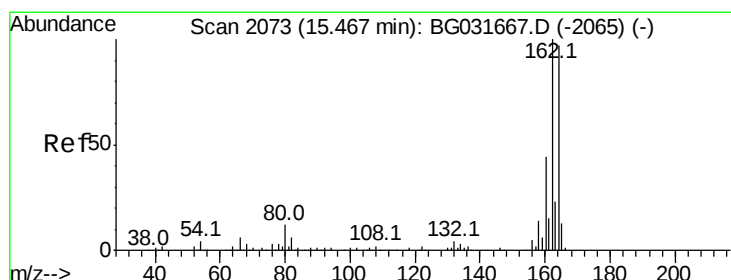
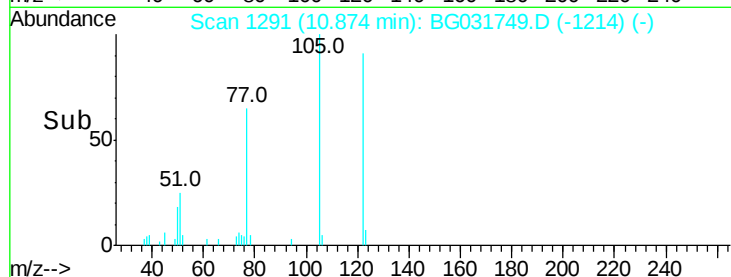
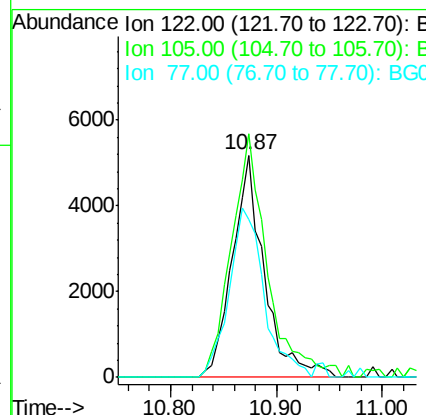
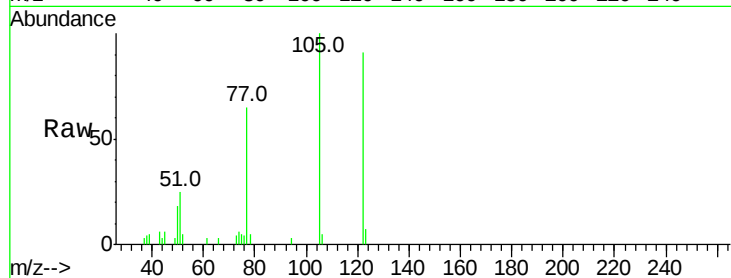




#32
Benzoic acid
Concen: 11.824 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.08 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

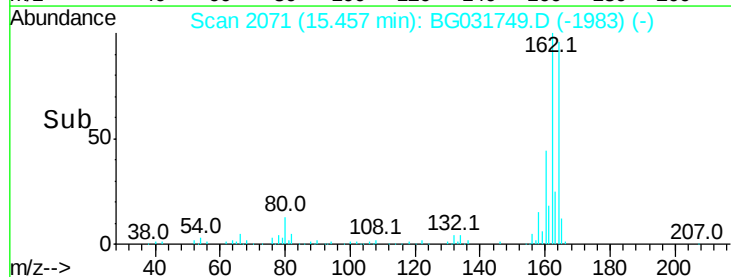
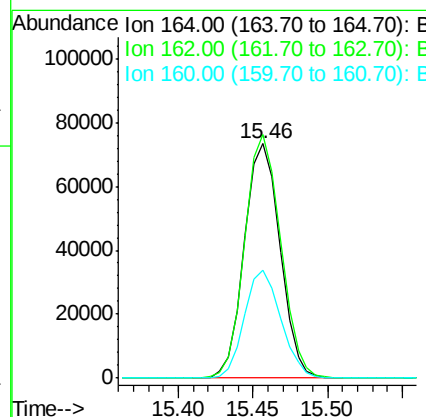
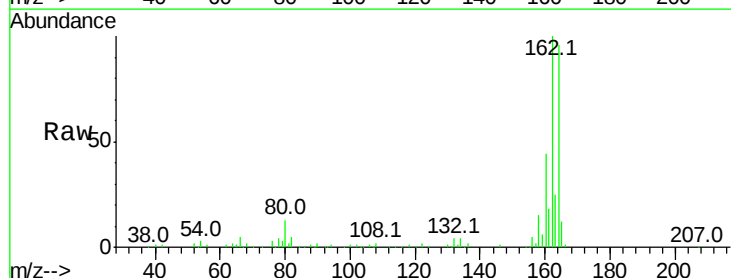
Instrument :
BNA_G
ClientSampleId :
352

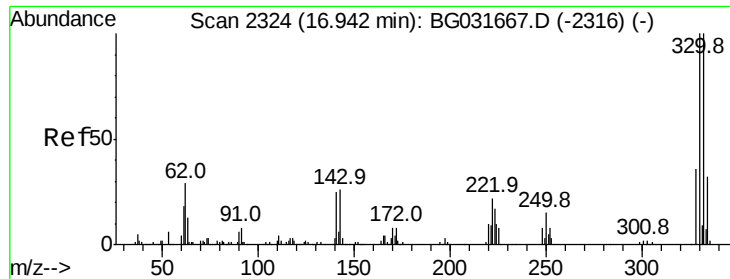
Tot Ion:122 Resp: 10857
Ion Ratio Lower Upper
122 100
105 109.7 123.5 163.5#
77 71.2 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031749.D
Acq: 23 Dec 2017 15:11

Tgt Ion:164 Resp: 121683
Ion Ratio Lower Upper
164 100
162 104.0 78.8 118.2
160 45.9 35.4 53.0

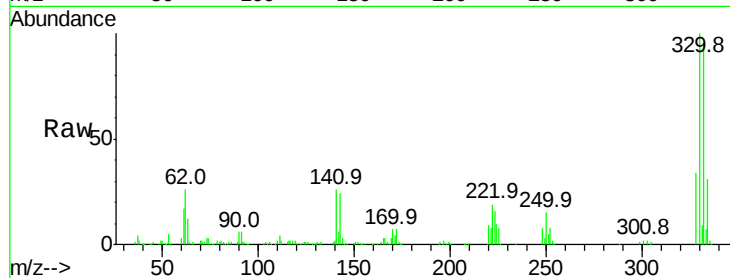




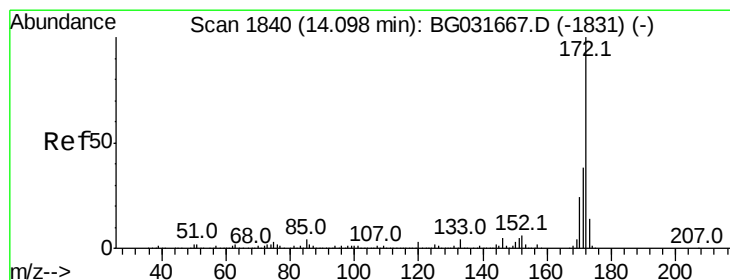
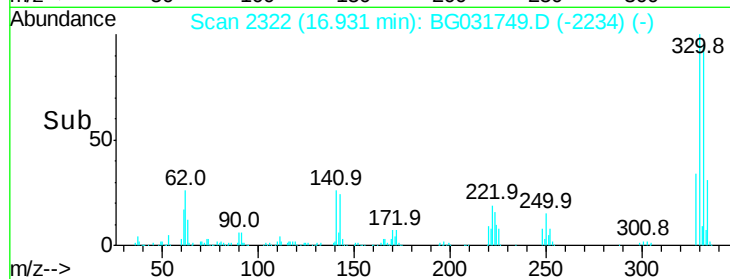
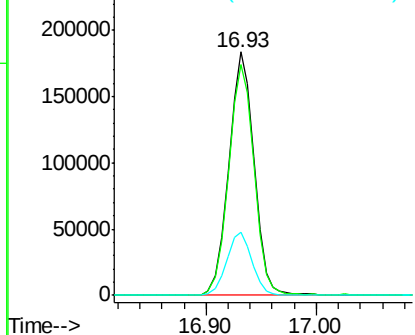
#41
 2,4,6-Tribromophenol
 Concen: 158.618 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Instrument :
 BNA_G
 ClientSampled :
 352

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	26.0	25.2	37.8

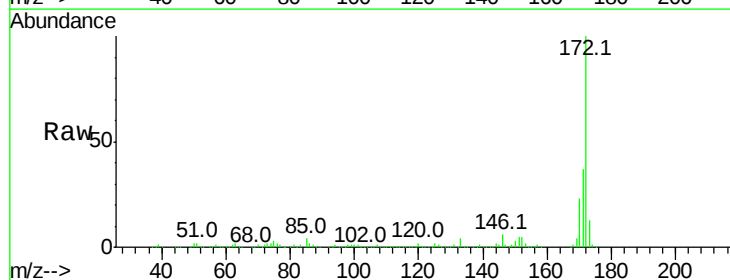


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

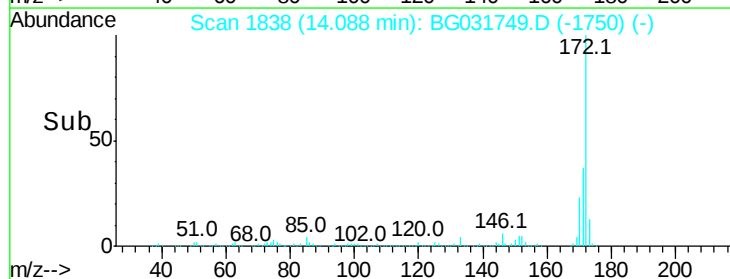
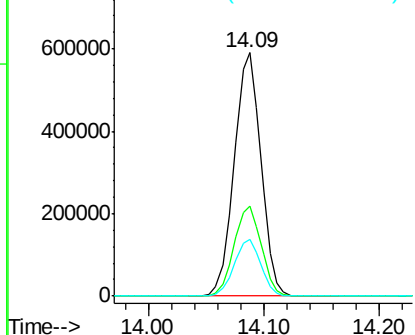


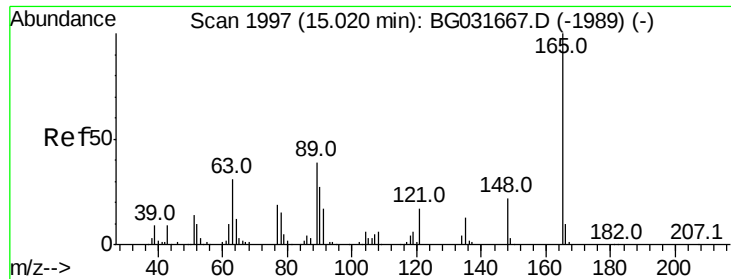
#44
 2-Fluorobiphenyl
 Concen: 97.349 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.2	19.5	29.3



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

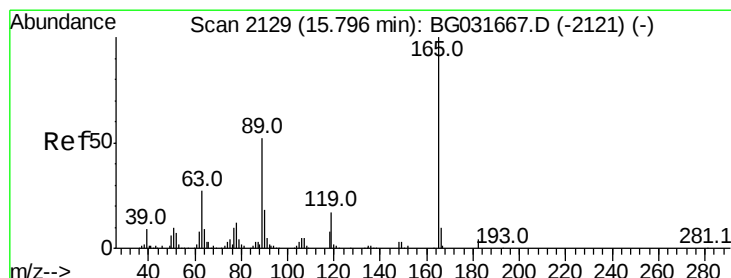
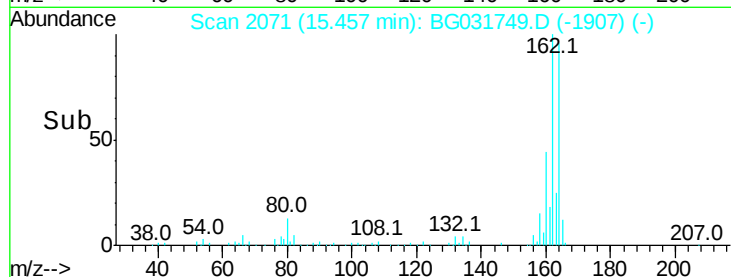
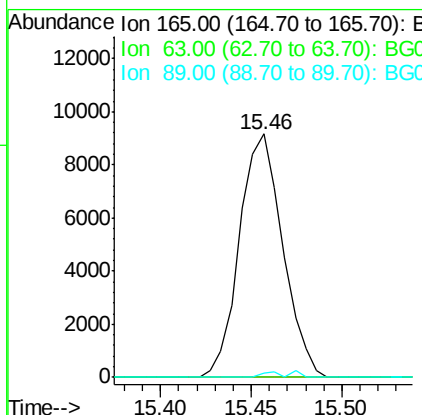
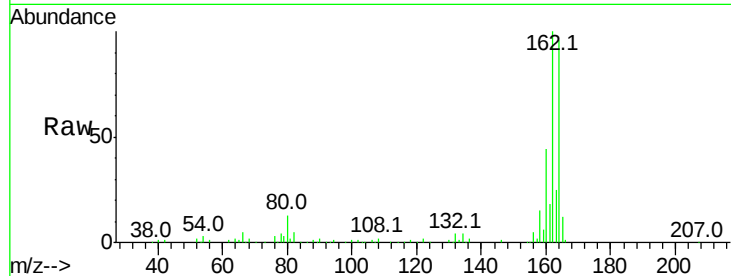




#50
 2,6-Dinitrotoluene
 Concen: 7.707 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

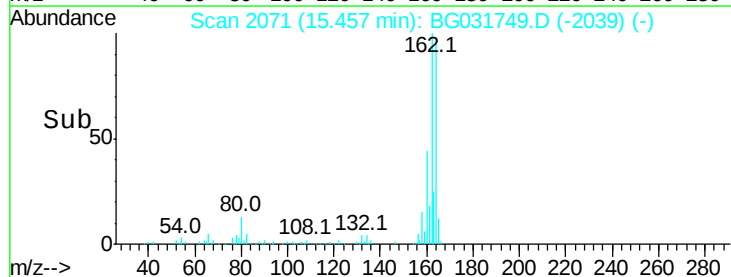
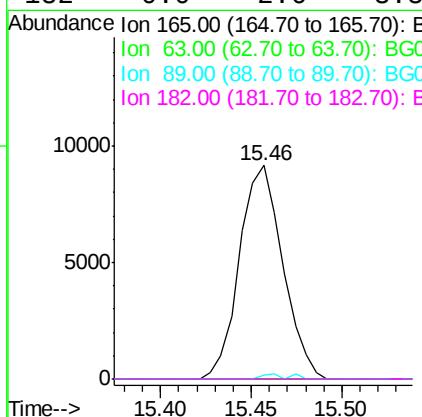
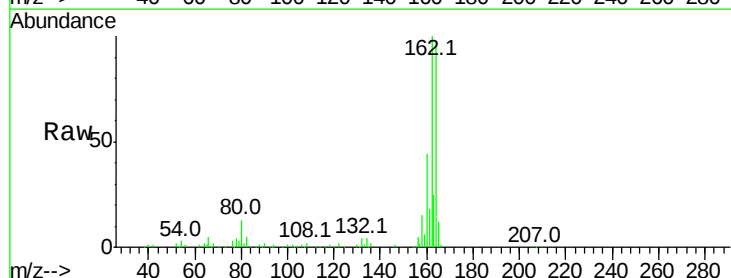
Instrument :
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 ClientSampleId :
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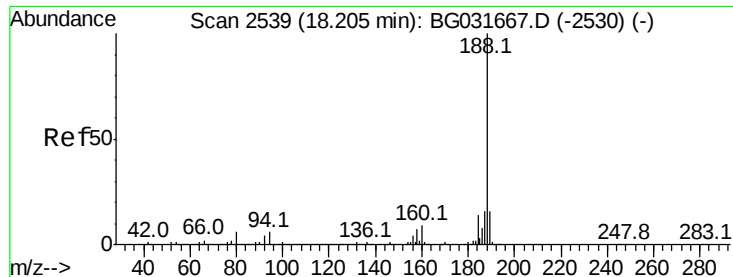
Tot Ion:165 Resp: 15199
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.7 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.994 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Tgt Ion:165 Resp: 15199
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

Instrument :

BNA_G

ClientSampled :

352

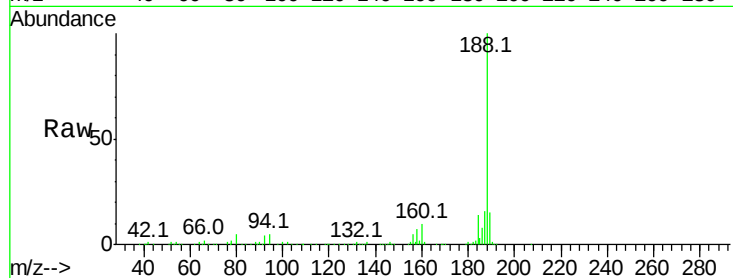
Tot Ion:188 Resp: 307918

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

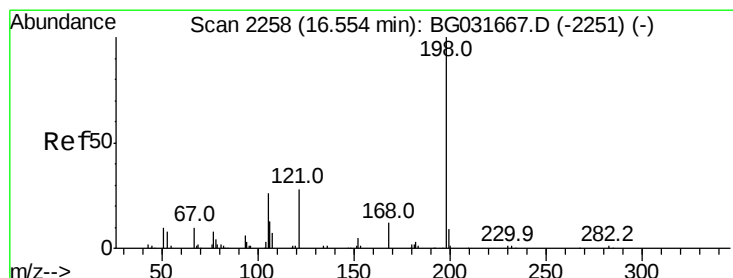
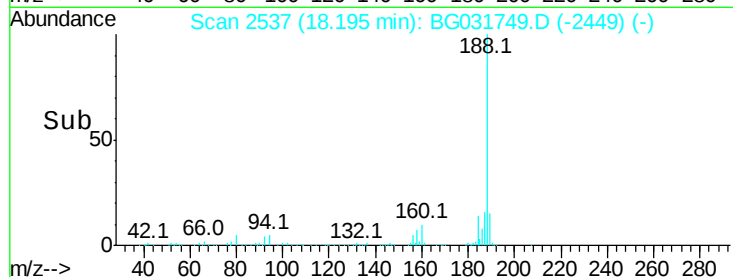
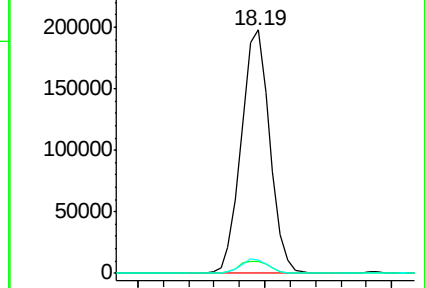
80 5.3 7.7 11.5#



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: 8.614 ng

RT: 16.94 min Scan# 2323

Delta R.T. 0.38 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

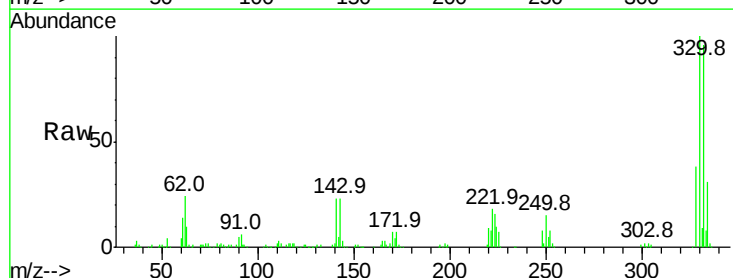
Tgt Ion:198 Resp: 558

Ion Ratio Lower Upper

198 100

51 66.2 30.6 70.6

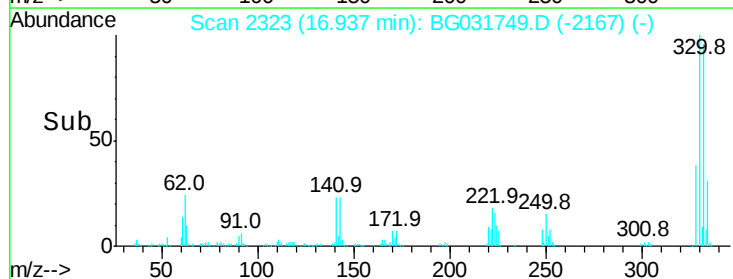
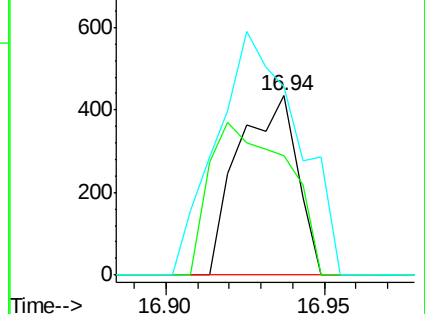
105 105.1 23.8 63.8#

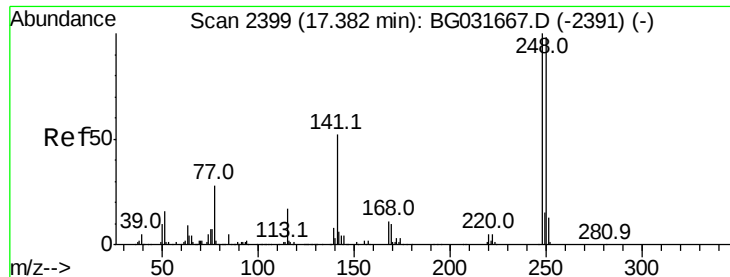


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

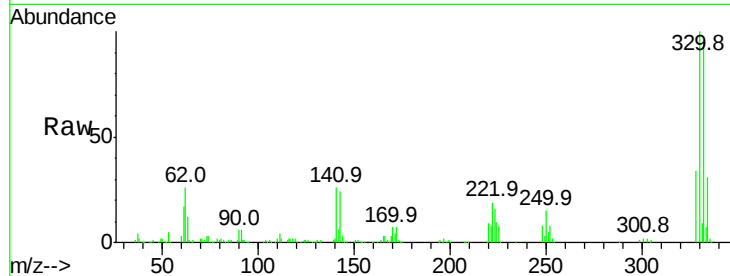




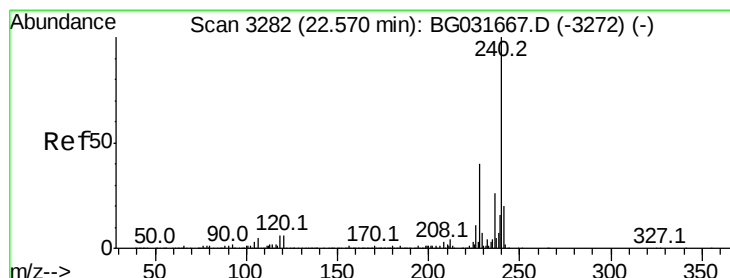
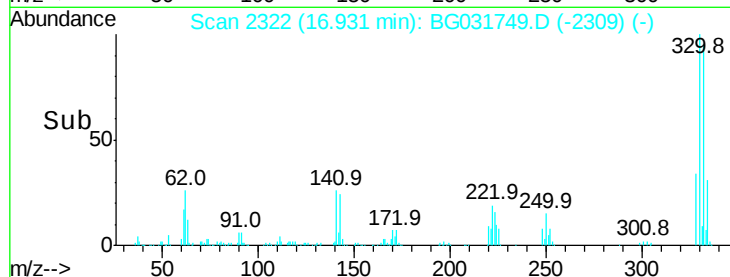
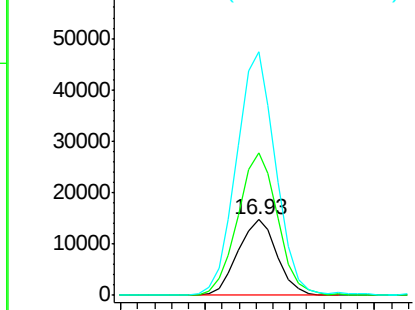
#66
 4-Bromophenyl-phenylether
 Concen: 5.302 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Instrument :
 BNA_G
 ClientSampleId :
 352

Tot Ion:248 Resp: 23610
 Ion Ratio Lower Upper
 248 100
 250 189.7 77.1 115.7#
 141 323.2 50.8 76.2#

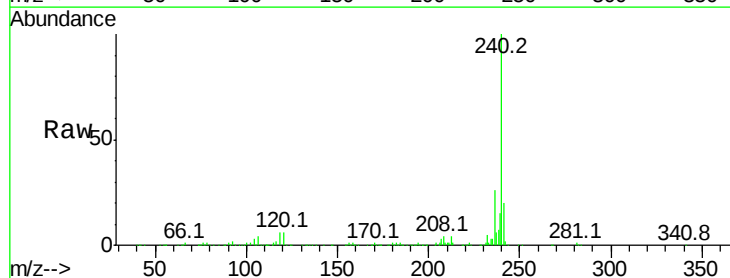


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

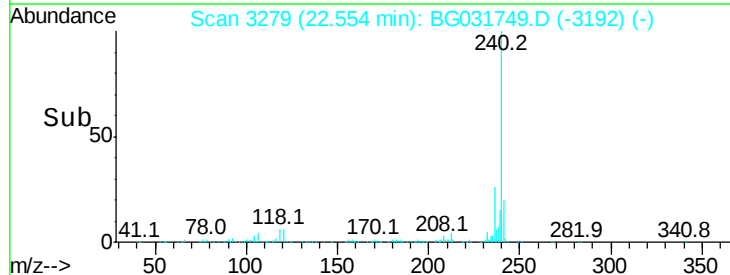
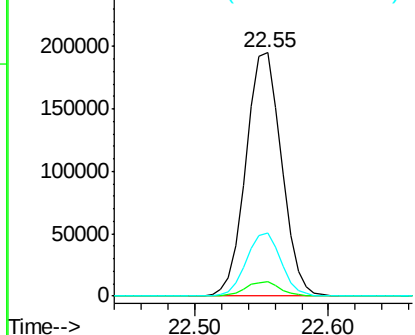


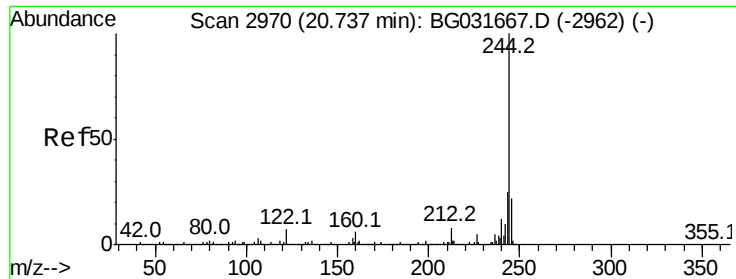
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3279
 Delta R.T. -0.02 min
 Lab File: BG031749.D
 Acq: 23 Dec 2017 15:11

Tgt Ion:240 Resp: 359605
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 25.9 20.9 31.3



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: 106.644 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

Instrument :

BNA_G

ClientSampleId :

352

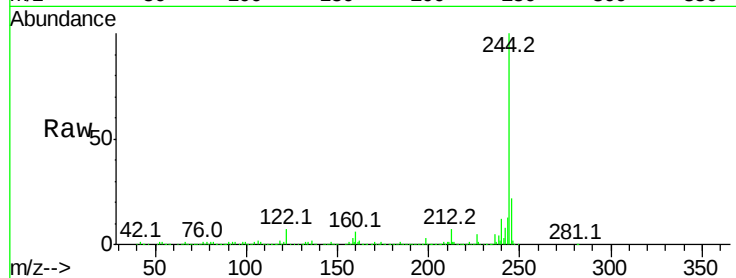
Tot Ion:244 Resp: 1678579

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

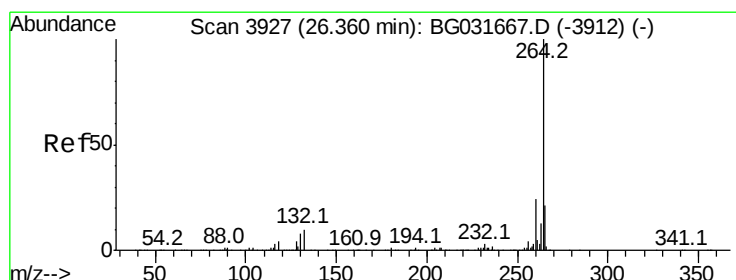
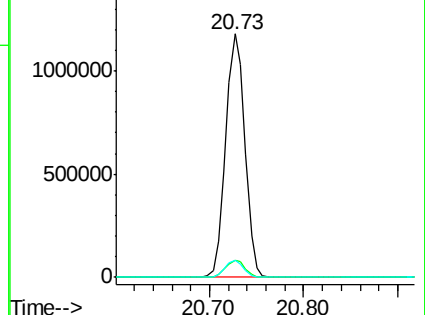
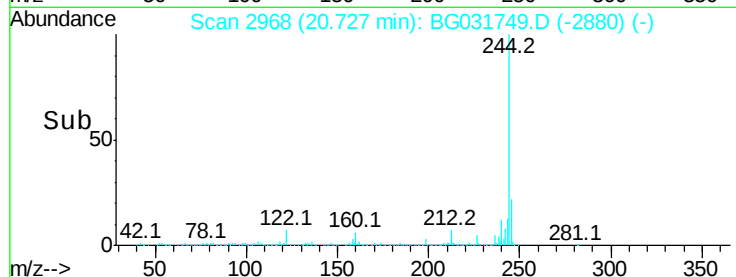
122 7.0 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.33 min Scan# 3922

Delta R.T. -0.03 min

Lab File: BG031749.D

Acq: 23 Dec 2017 15:11

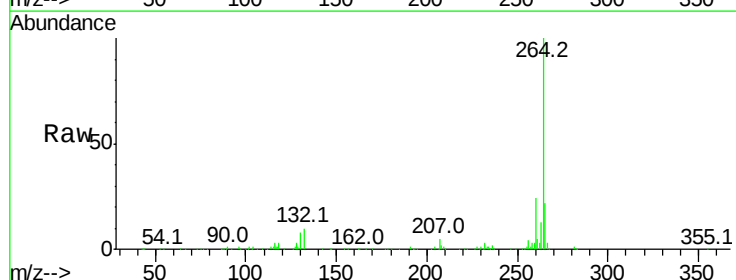
Tgt Ion:264 Resp: 379373

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 22.4 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

