

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032722.D
 Acq On : 15 Feb 2018 20:25
 Operator : SJ/JU
 Sample : J1558-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:26:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	21844	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	87783	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	62439	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	183041	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	253739	20.00	ng	-0.05
86) Perylene-d12	25.94	264	83594	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.07	112	160866	147.75	ng	-0.04
7) Phenol-d6	7.75	99	155755	104.62	ng	-0.05
23) Nitrobenzene-d5	9.82	82	145889	105.62	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	170865	177.72	ng	-0.04
44) 2-Fluorobiphenyl	13.89	172	472367	94.61	ng	-0.04
78) Terphenyl-d14	20.56	244	1258847	113.08	ng	-0.03

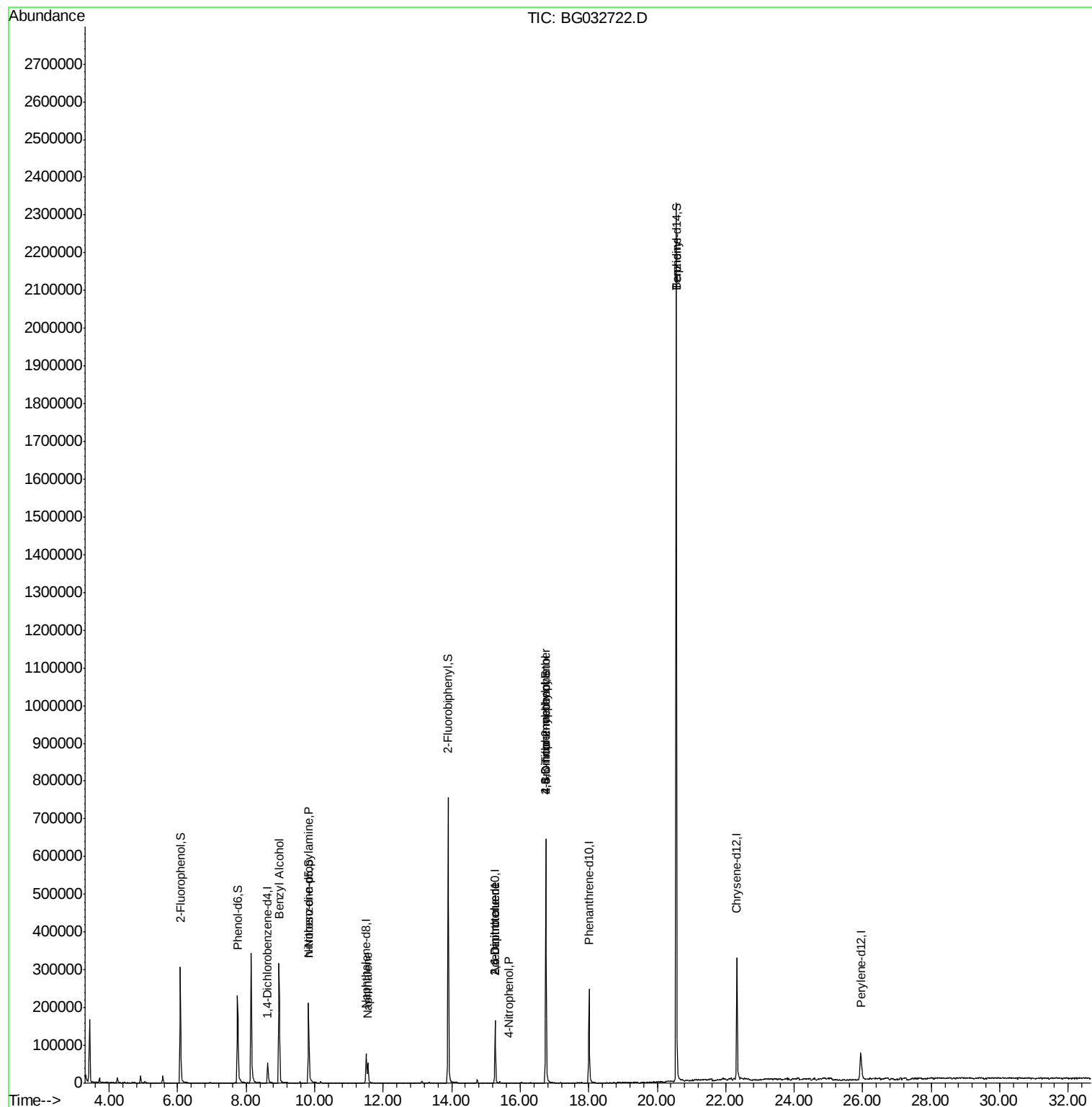
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.97	79	2746	2.46	ng	# 33
19) n-Nitroso-di-n-propylamine	9.82	70	21084	21.07	ng	# 73
31) Naphthalene	11.56	128	55770	13.08	ng	# 94
50) 2,6-Dinitrotoluene	15.27	165	8047	7.24	ng	# 20
55) 4-Nitrophenol	15.65	139	103	5.62	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	8047	5.25	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.74	198	264	5.20	ng	# 43
66) 4-Bromophenyl-phenylether	16.75	248	13904	5.31	ng	# 1
76) Benzidine	20.56	184	18259	3.06	ng	# 88

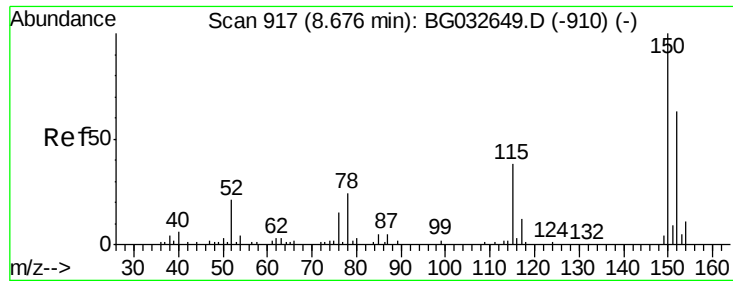
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.05 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

Instrument :

BNA_G

ClientSampleId :

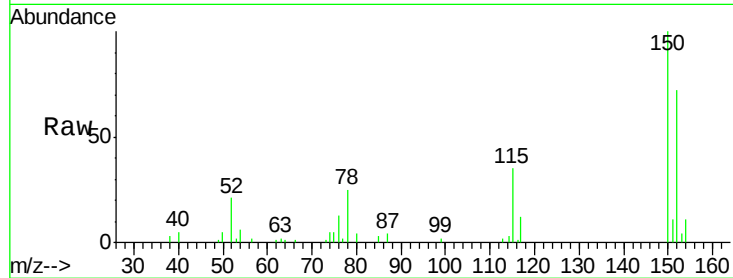
Tot Ion:152 Resp: 21844

Ion Ratio Lower Upper

152 100

150 139.3 126.6 189.8

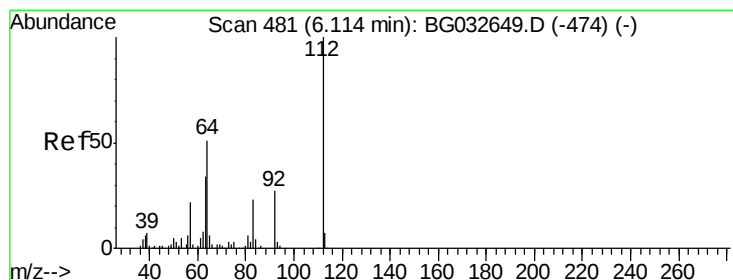
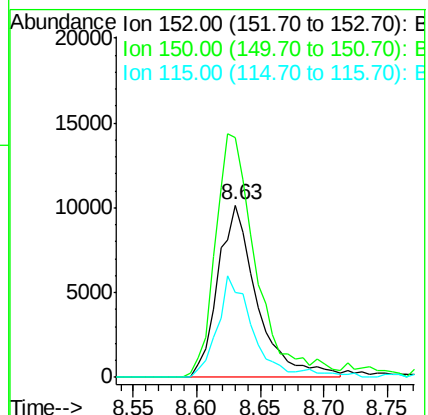
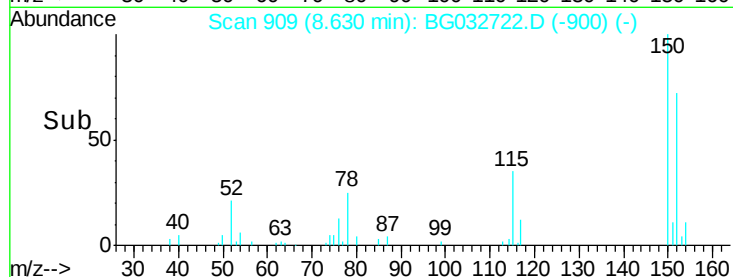
115 49.3 53.0 79.4#



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



#5

2-Fluorophenol

Concen: 147.75 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

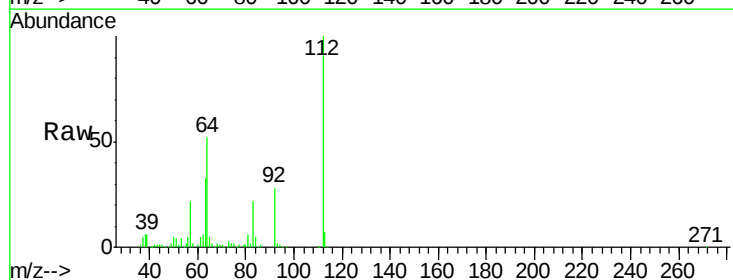
Tgt Ion:112 Resp: 160866

Ion Ratio Lower Upper

112 100

64 51.6 56.3 84.5#

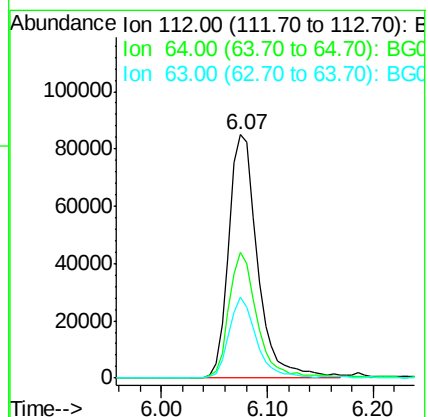
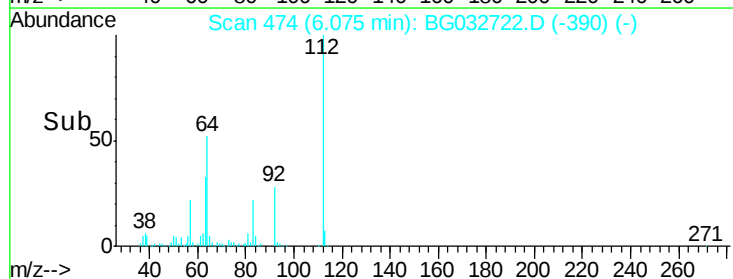
63 33.5 30.1 45.1

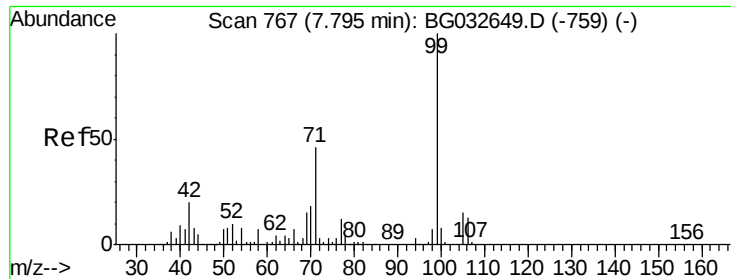


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.62 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.05 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

Instrument :

BNA_G

ClientSampleId :

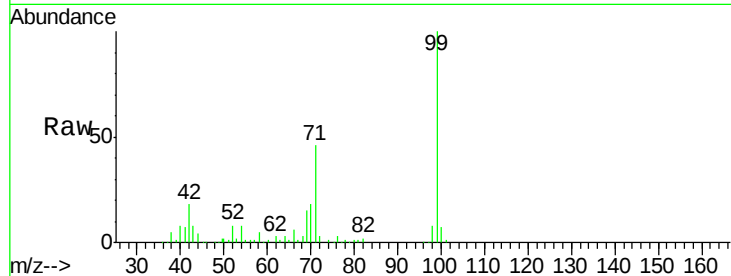
Tot Ion: 99 Resp: 155755

Ion Ratio Lower Upper

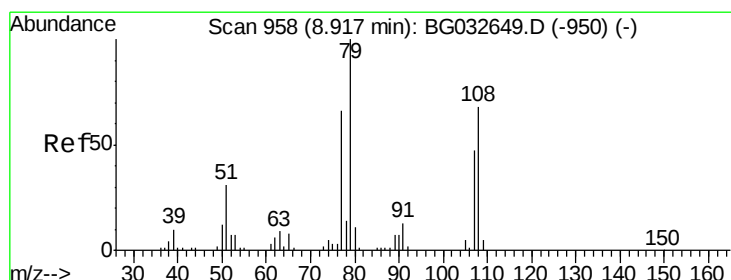
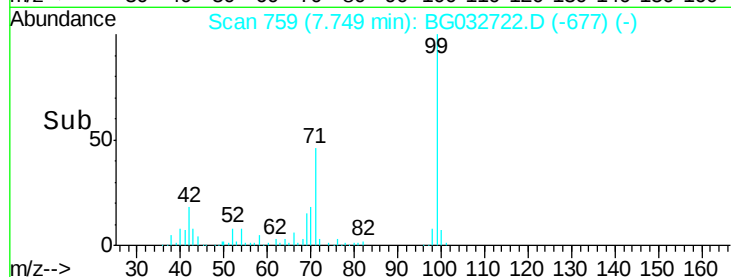
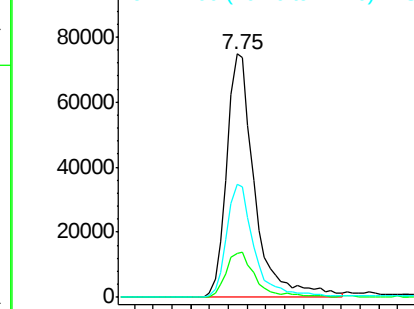
99 100

42 18.0 14.1 21.1

71 46.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.46 ng

RT: 8.97 min Scan# 966

Delta R.T. 0.05 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

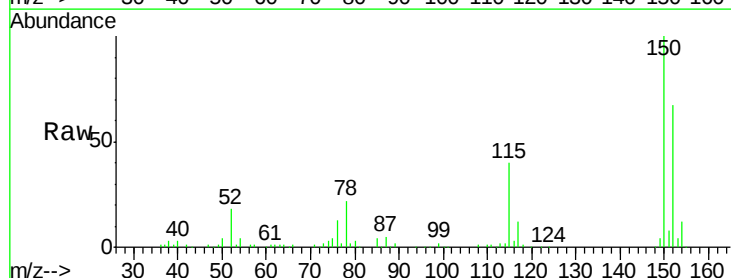
Tgt Ion: 79 Resp: 2746

Ion Ratio Lower Upper

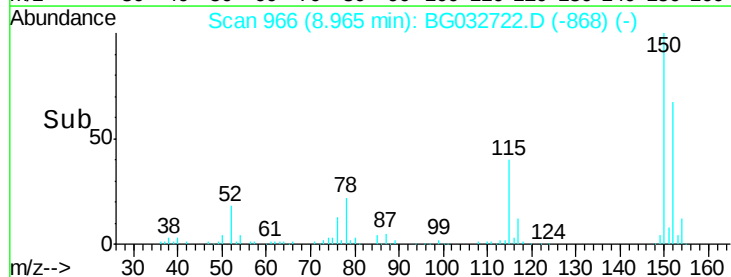
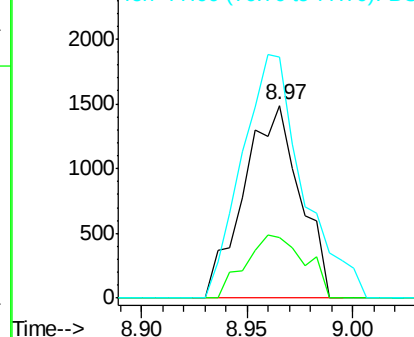
79 100

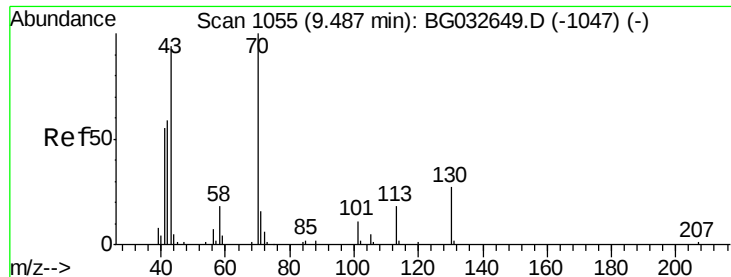
108 31.7 57.2 85.8#

77 124.7 46.1 69.1#



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

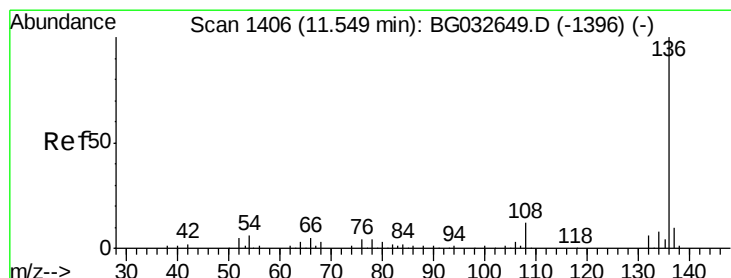
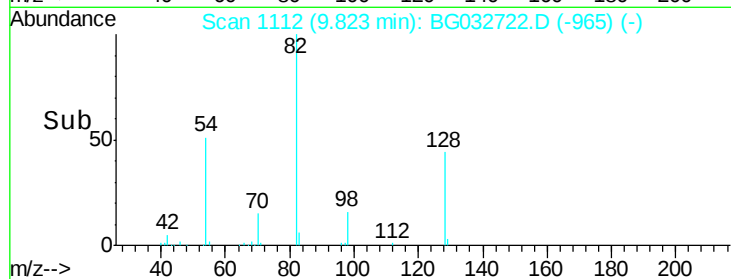
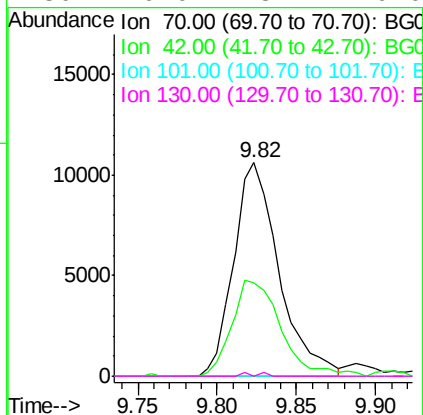
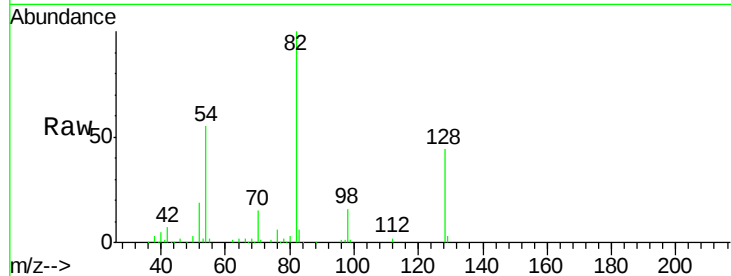




#19
n-Nitroso-di-n-propylamine
Concen: 21.07 ng
RT: 9.82 min Scan# 1112
Delta R.T. 0.34 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

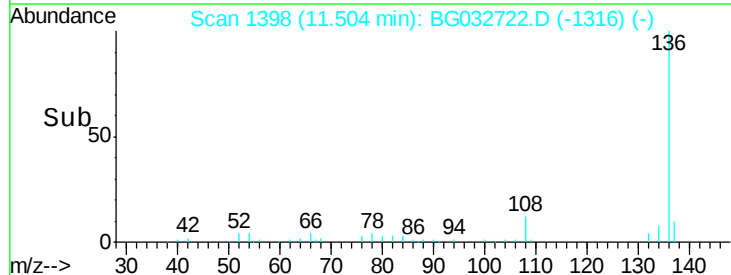
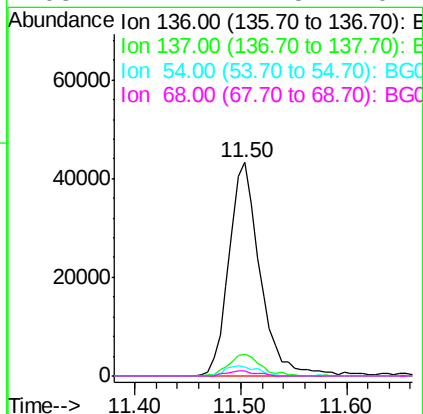
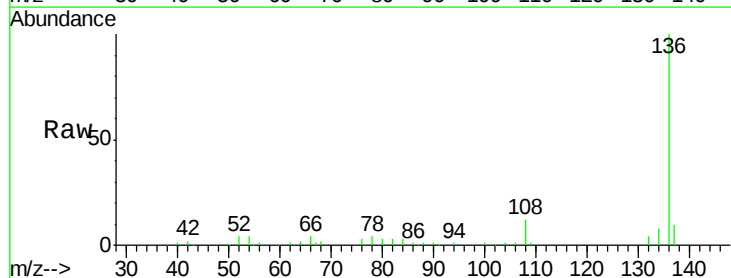
Instrument :
BNA_G
ClientSampleId :

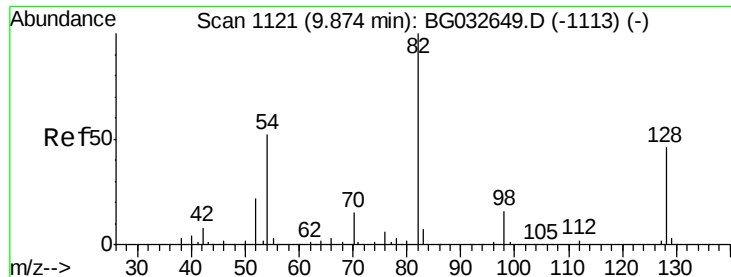
Tot Ion: 70 Resp: 21084
Ion Ratio Lower Upper
70 100
42 43.7 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Tgt Ion: 136 Resp: 87783
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 4.4 10.3 15.5#
68 2.2 4.5 6.7#

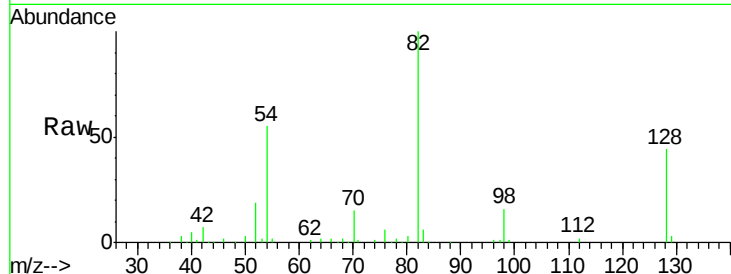




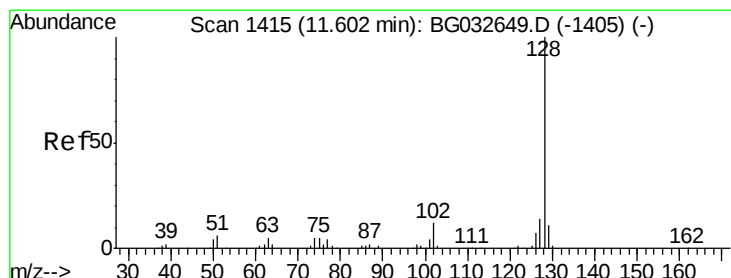
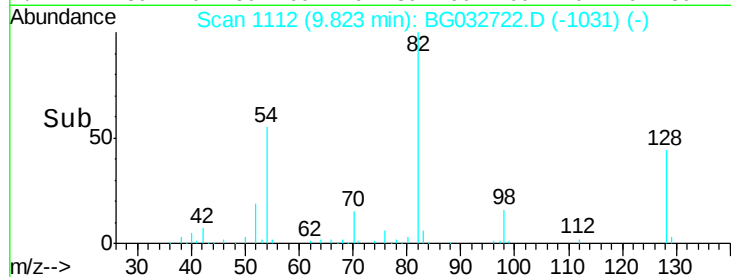
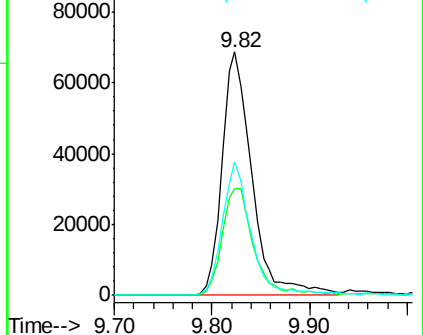
#23
Nitrobenzene-d5
Concen: 105.62 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	145889
Ion Ratio	100	Lower	Upper
128	43.8	29.7	44.5
54	54.7	43.1	64.7

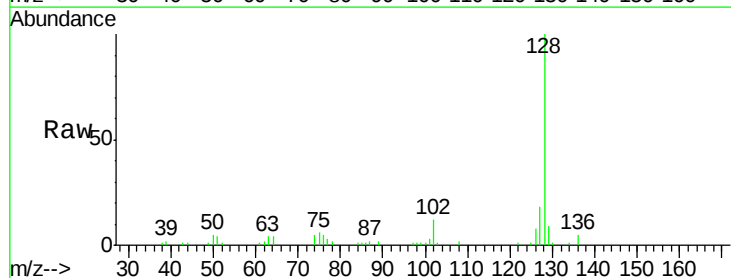


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

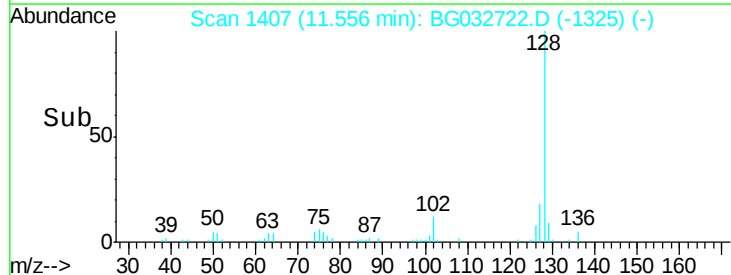
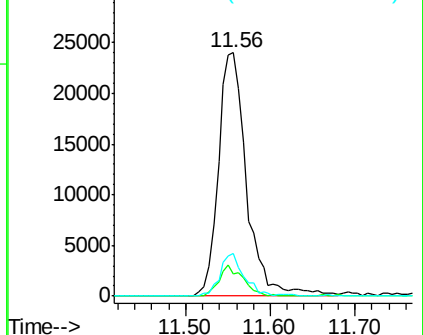


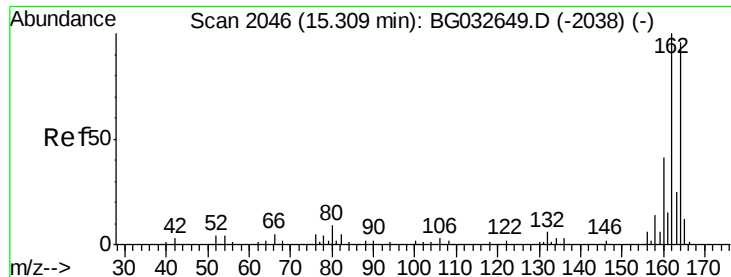
#31
Naphthalene
Concen: 13.08 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.05 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Tgt Ion	128	Resp	55770
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	9.2	8.6	12.8
127	17.7	11.6	17.4#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.27 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

Instrument :

BNA_G

ClientSampleId :

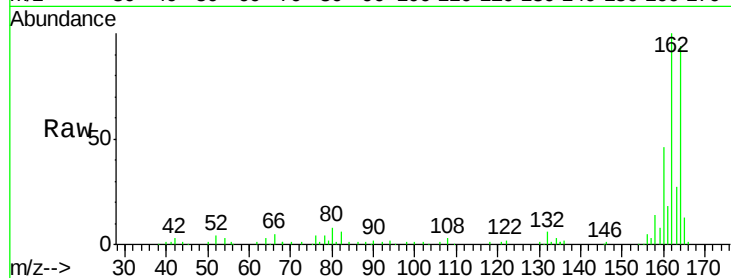
Tot Ion:164 Resp: 62439

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

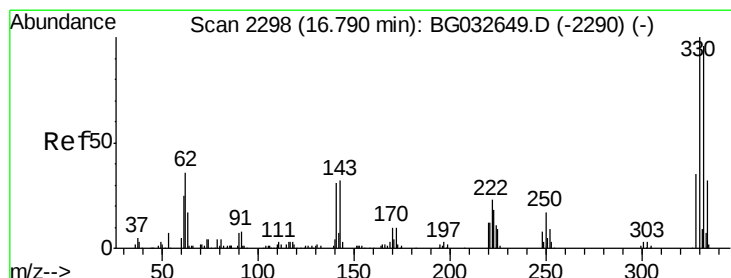
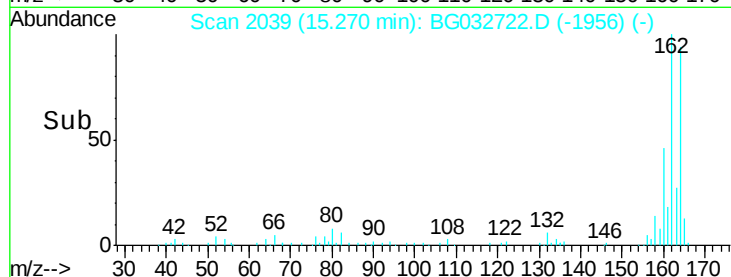
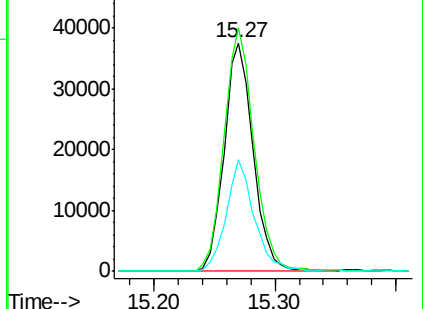
160 48.8 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 177.72 ng

RT: 16.75 min Scan# 2291

Delta R.T. -0.04 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

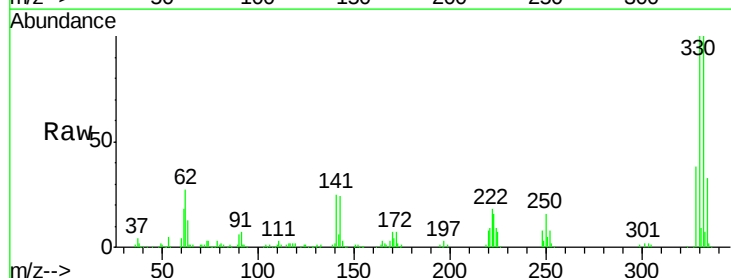
Tgt Ion:330 Resp: 170865

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

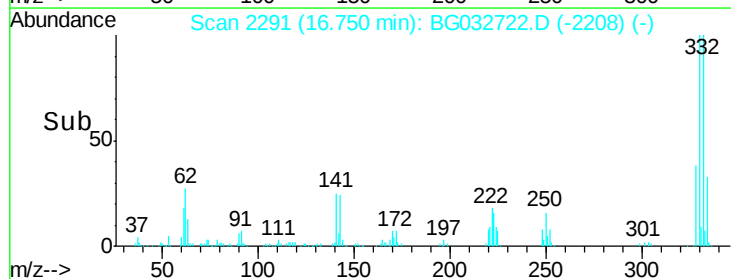
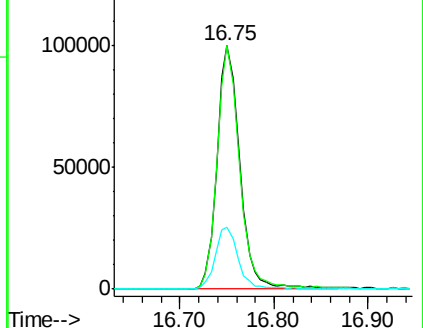
141 25.8 25.2 37.8

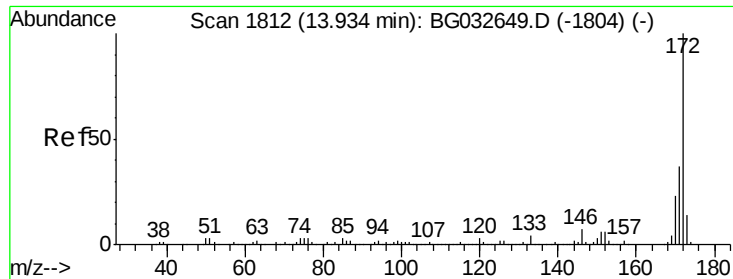


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

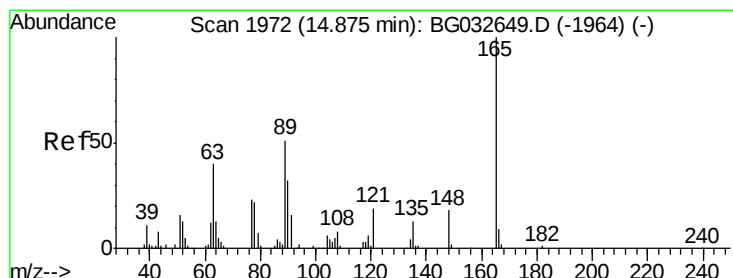
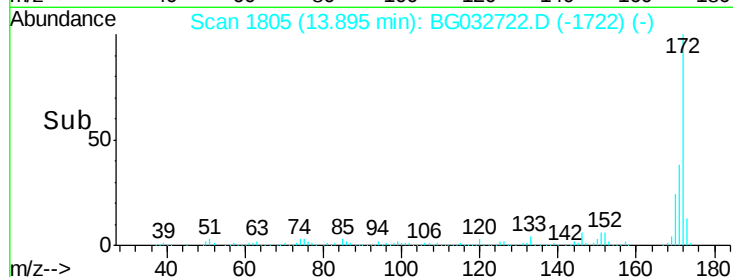
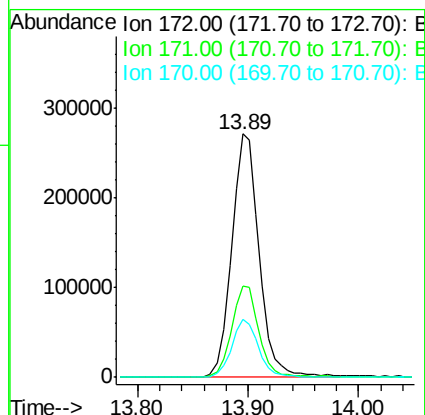
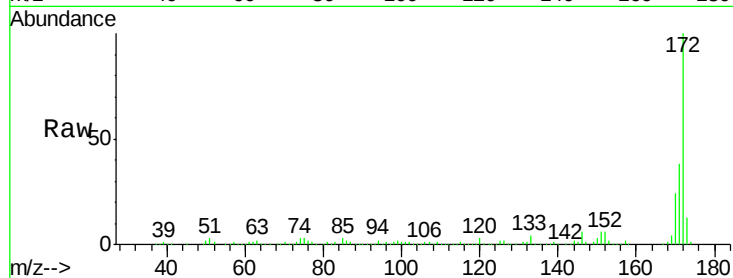




#44
2-Fluorobiphenyl
Concen: 94.61 ng
RT: 13.89 min Scan# 1805
Delta R.T. -0.04 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

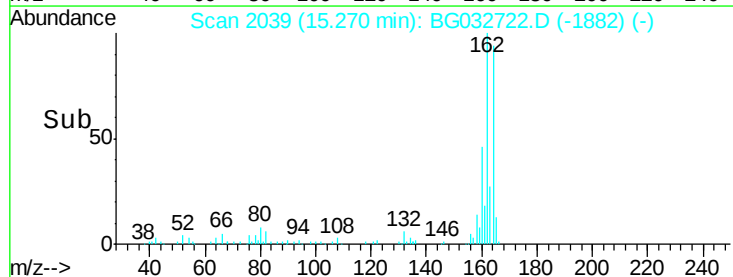
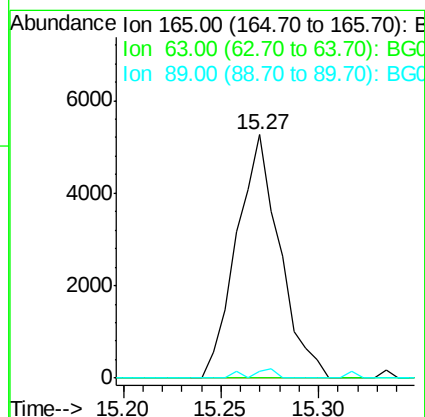
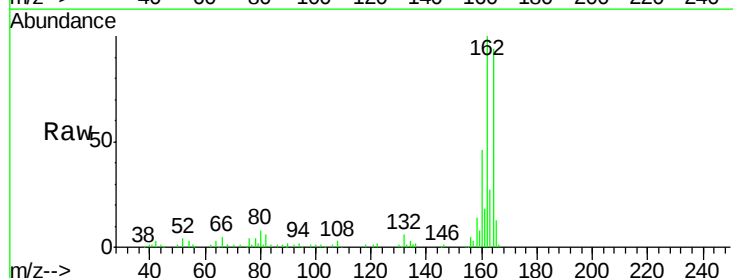
Instrument :
BNA_G
ClientSampleId :

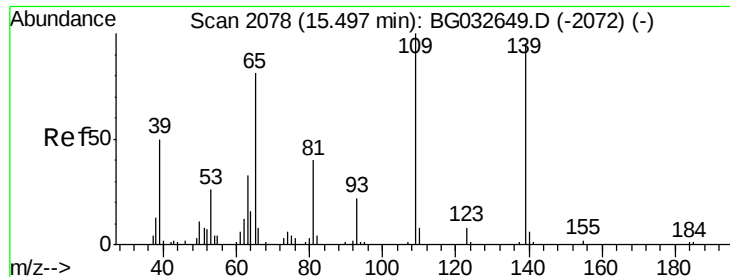
Tot Ion:172 Resp: 472367
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.24 ng
RT: 15.27 min Scan# 2039
Delta R.T. 0.40 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Tgt Ion:165 Resp: 8047
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.9 49.2 73.8#

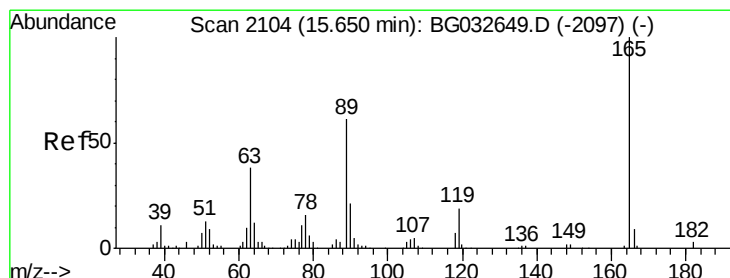
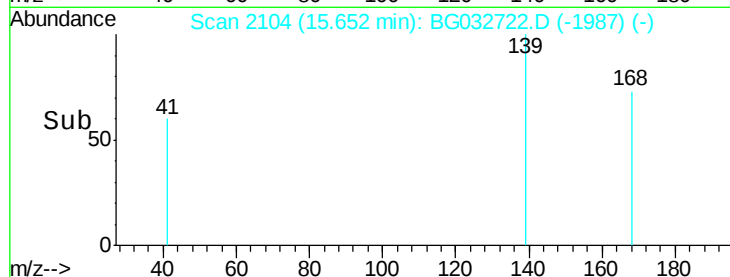
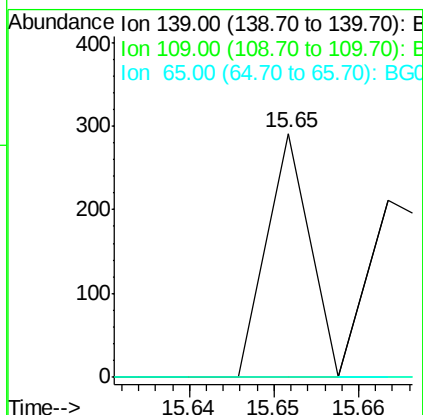
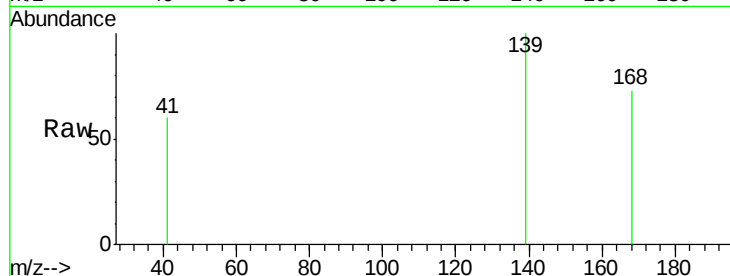




#55
4-Nitrophenol
Concen: 5.62 ng
RT: 15.65 min Scan# 2104
Delta R.T. 0.15 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

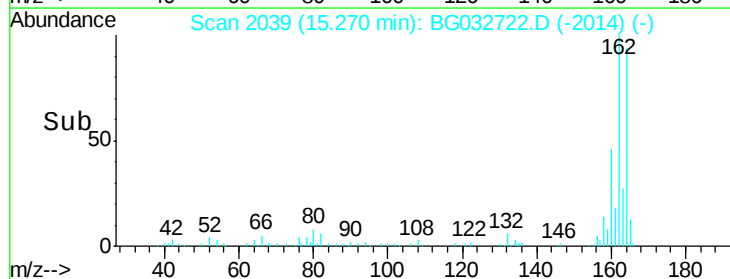
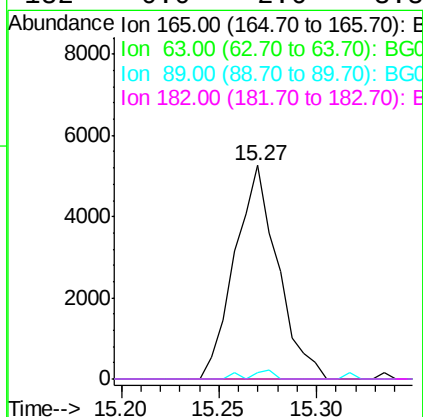
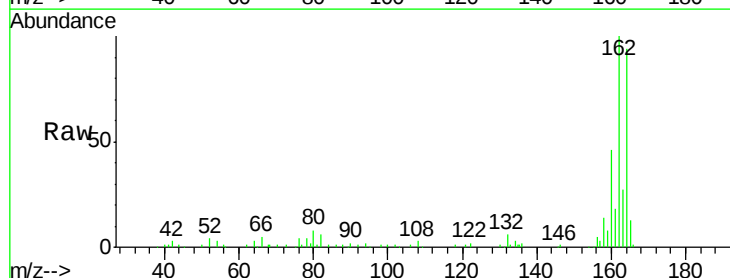
Instrument :
BNA_G
ClientSampleId :

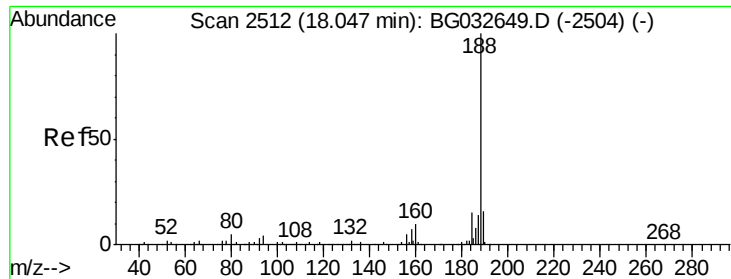
Tot Ion:139 Resp: 103
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 5.25 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.38 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Tgt Ion:165 Resp: 8047
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#

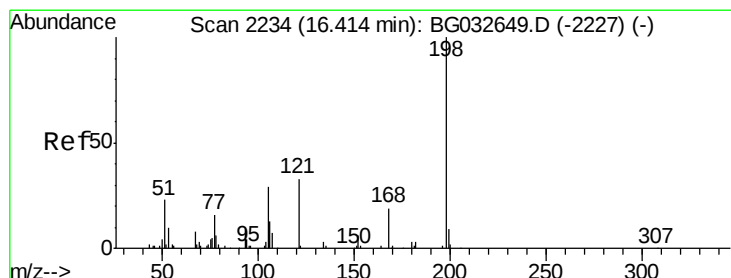
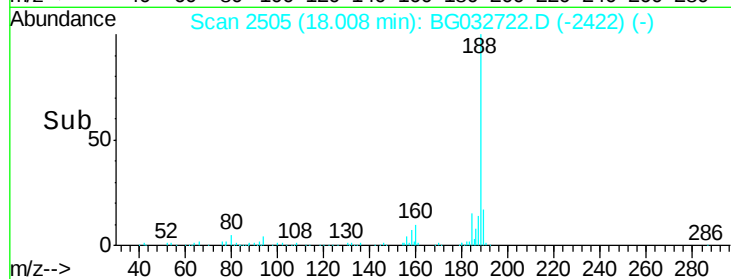
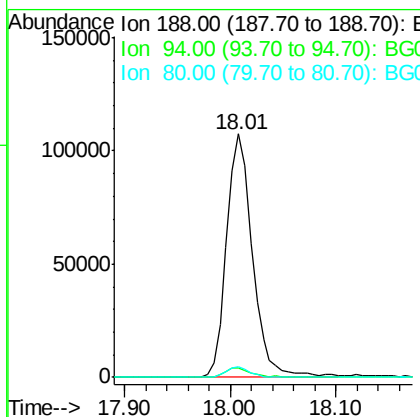
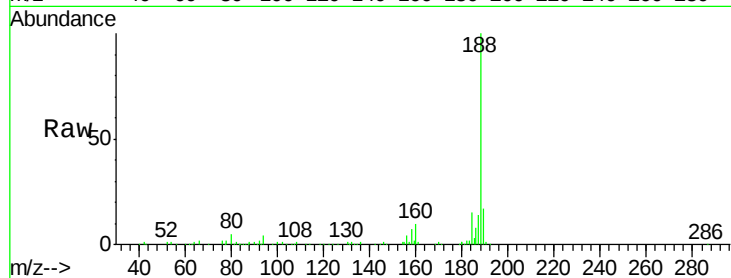




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.01 min Scan# 2505
Delta R.T. -0.04 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

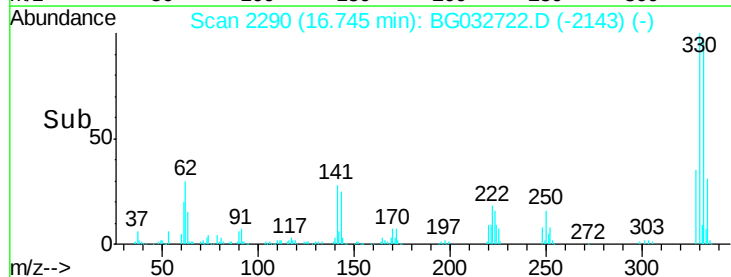
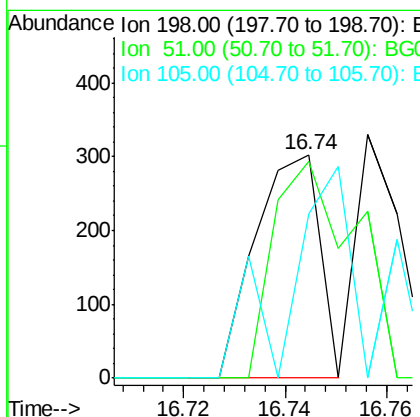
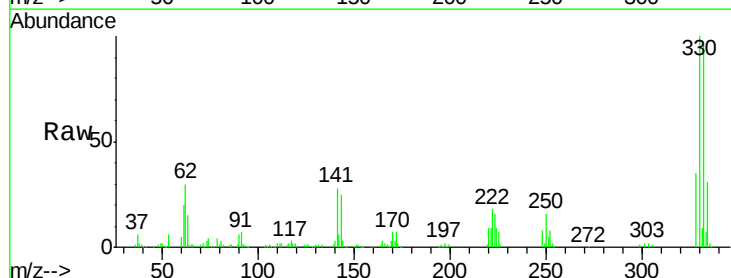
Instrument :
BNA_G
ClientSampled :

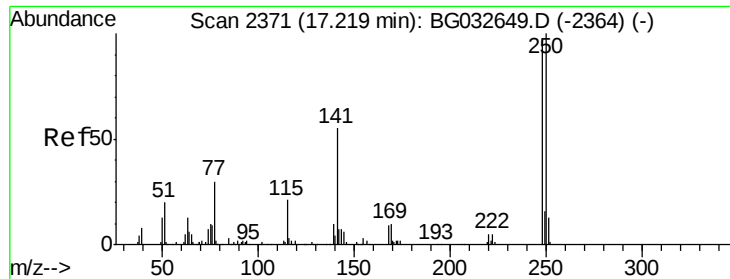
Tot Ion:188 Resp: 183041
Ion Ratio Lower Upper
188 100
94 3.8 6.9 10.3#
80 4.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.20 ng
RT: 16.74 min Scan# 2290
Delta R.T. 0.33 min
Lab File: BG032722.D
Acq: 15 Feb 2018 20:25

Tgt Ion:198 Resp: 264
Ion Ratio Lower Upper
198 100
51 96.7 30.6 70.6#
105 73.6 23.8 63.8#

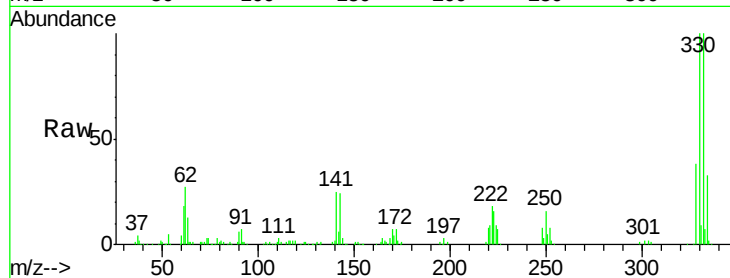




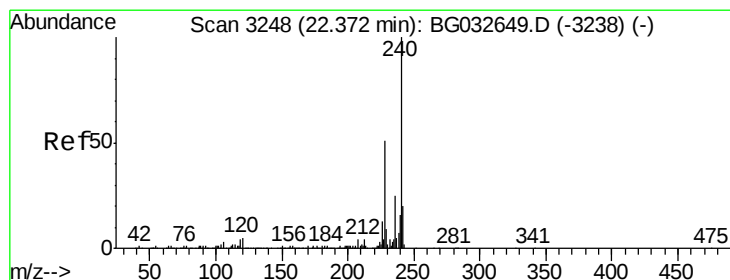
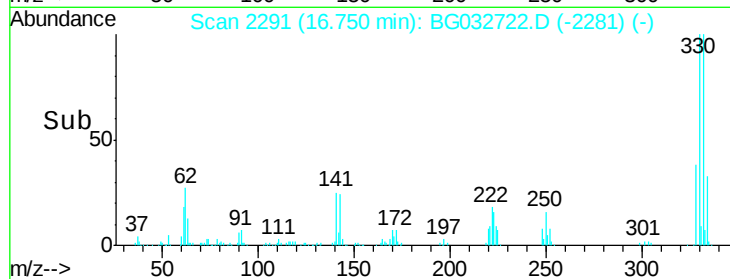
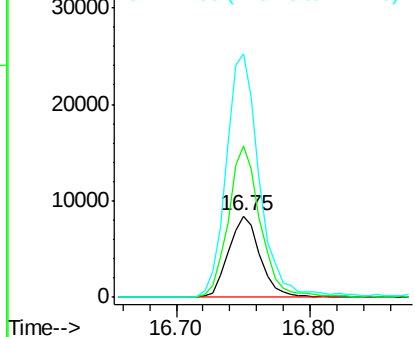
#66
 4-Bromophenyl-phenylether
 Concen: 5.31 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032722.D
 Acq: 15 Feb 2018 20:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13904
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.1 115.7#
 141 298.6 50.8 76.2#

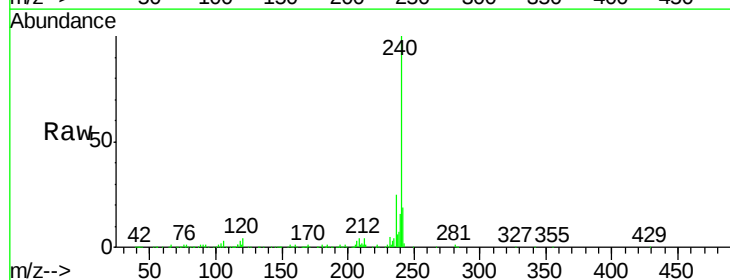


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

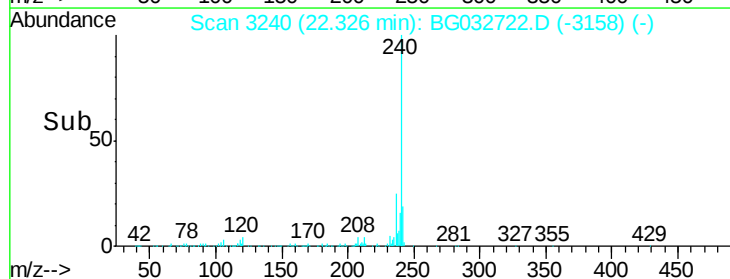
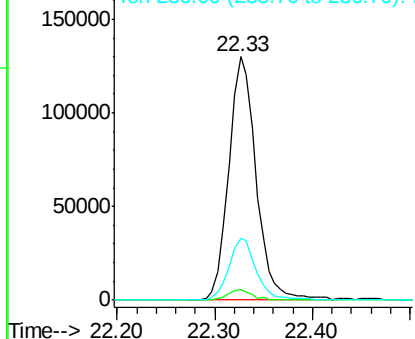


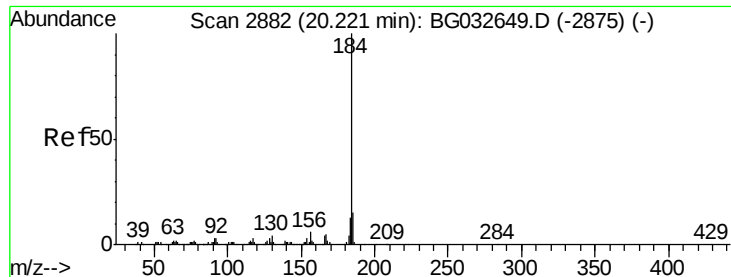
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.33 min Scan# 3240
 Delta R.T. -0.05 min
 Lab File: BG032722.D
 Acq: 15 Feb 2018 20:25

Tgt Ion:240 Resp: 253739
 Ion Ratio Lower Upper
 240 100
 120 4.5 6.8 10.2#
 236 25.2 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





#76

Benzidine

Concen: 3.06 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.34 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

Instrument :

BNA_G

ClientSampleId :

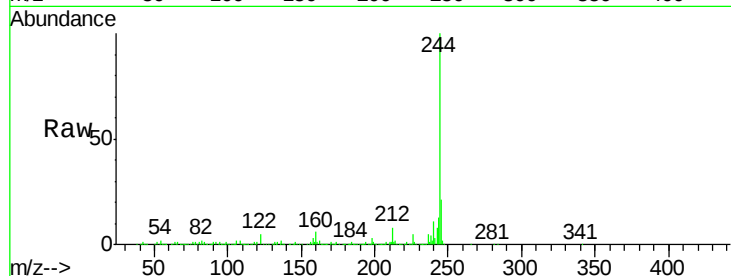
Tot Ion:184 Resp: 18259

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

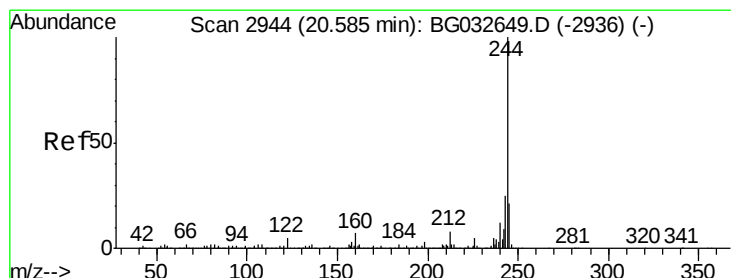
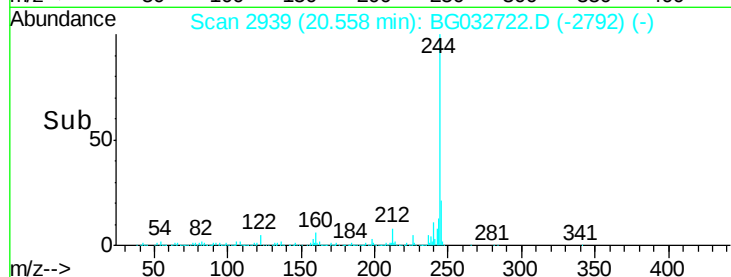
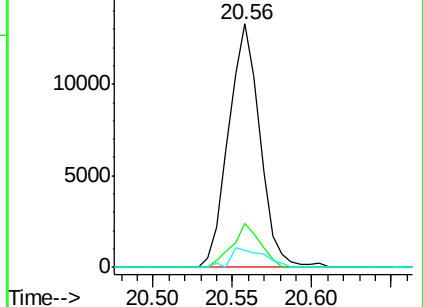
183 7.2 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 113.08 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032722.D

Acq: 15 Feb 2018 20:25

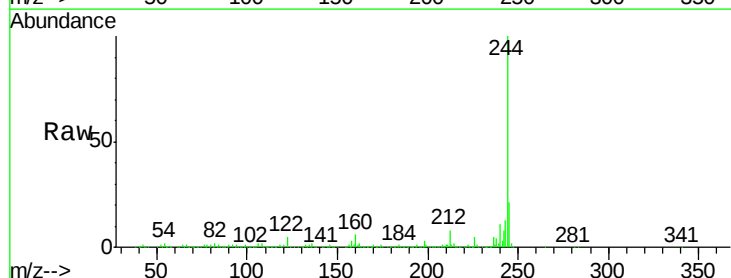
Tgt Ion:244 Resp: 1258847

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

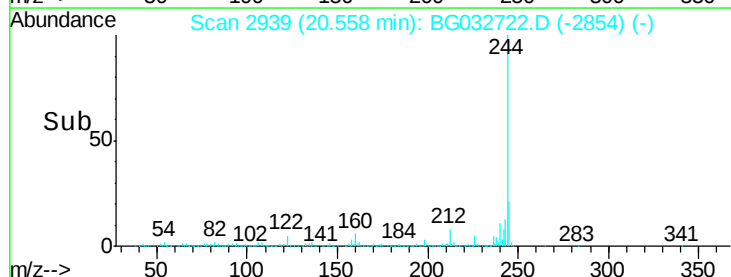
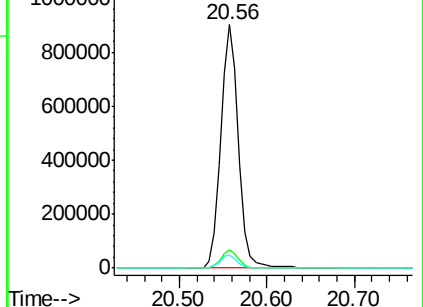
122 5.4 7.0 10.4#

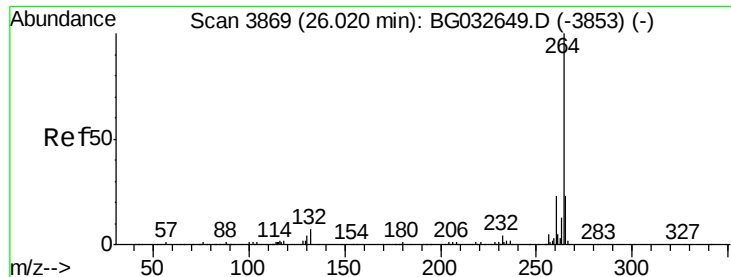


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.94 min Scan# 3855
 Delta R.T. -0.08 min
 Lab File: BG032722.D
 Acq: 15 Feb 2018 20:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.3	17.4	26.0#
265	18.8	17.7	26.5

