

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032715.D
 Acq On : 15 Feb 2018 16:01
 Operator : SJ/JU
 Sample : J1393-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:24:03 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	20103	20.00	ng	-0.05
21) Naphthalene-d8	11.51	136	82741	20.00	ng	-0.04
38) Acenaphthene-d10	15.27	164	58503	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	188660	20.00	ng	-0.04
75) Chrysene-d12	22.34	240	309944	20.00	ng	-0.04
86) Perylene-d12	25.96	264	302756	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.08	112	125506	125.26	ng	-0.04
7) Phenol-d6	7.75	99	130803	95.47	ng	-0.04
23) Nitrobenzene-d5	9.83	82	104144	80.00	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	164693	182.82	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	386677	82.65	ng	-0.04
78) Terphenyl-d14	20.56	244	1165952	85.74	ng	-0.02

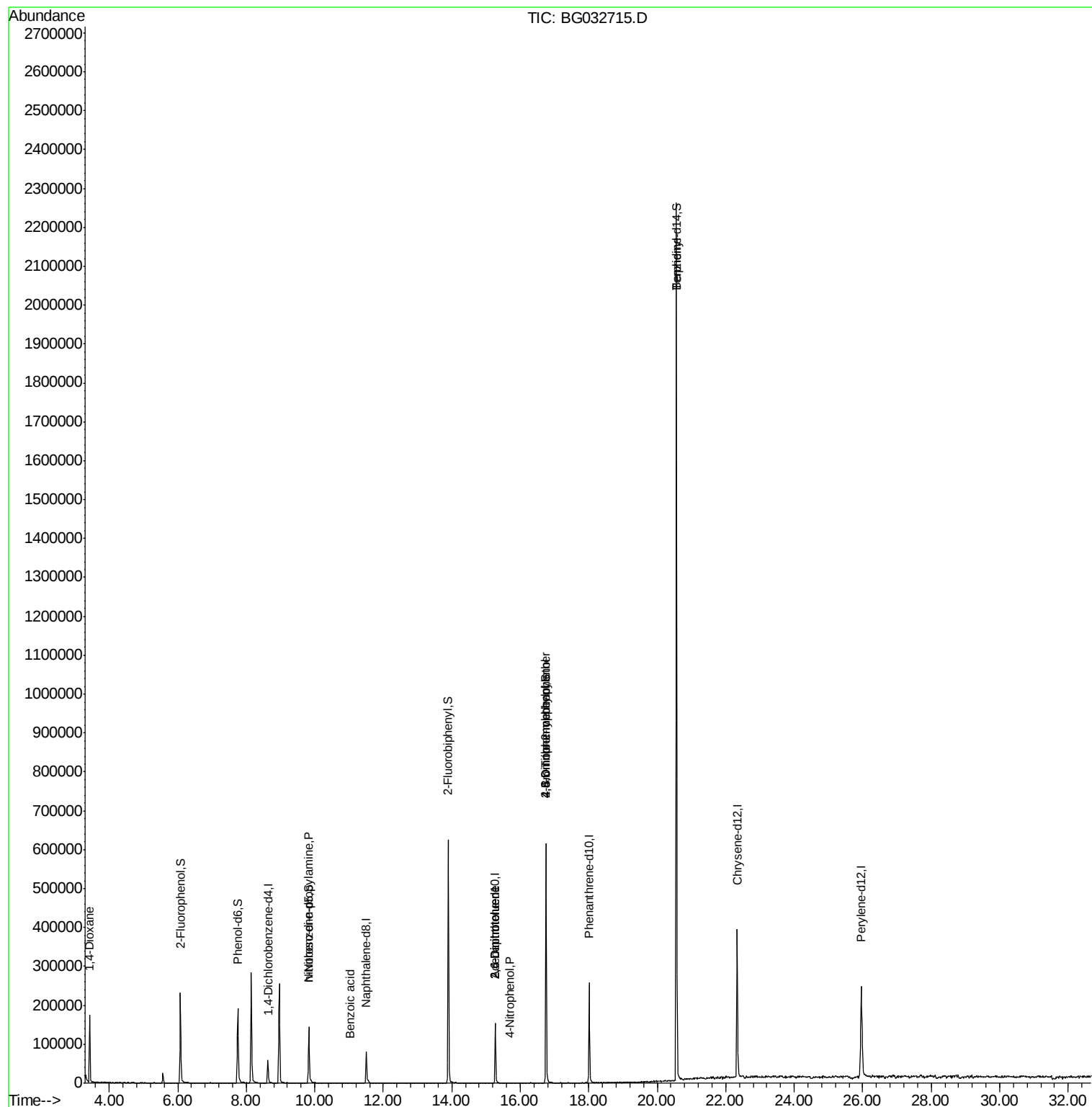
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	2274	5.43	ng	# 1
19) n-Nitroso-di-n-propylamine	9.83	70	15004	16.29	ng	# 73
32) Benzoic acid	11.03	122	56	4.45	ng	# 1
50) 2,6-Dinitrotoluene	15.27	165	7135	6.85	ng	# 18
55) 4-Nitrophenol	15.67	139	231	5.80	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	7135	4.97	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.76	198	453	5.32	ng	# 57
66) 4-Bromophenyl-phenylether	16.75	248	11747	4.35	ng	# 1
76) Benzidine	20.56	184	16321	2.24	ng	# 95

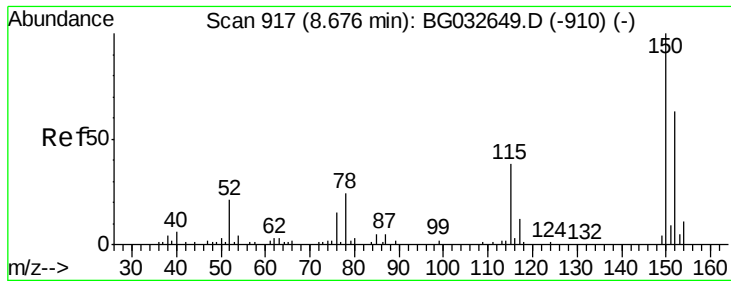
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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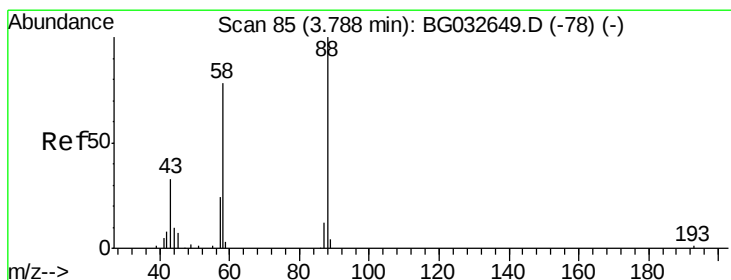
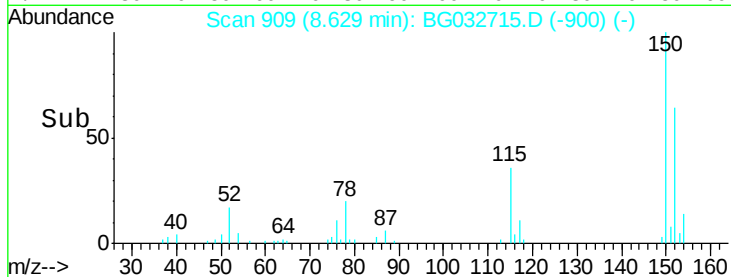
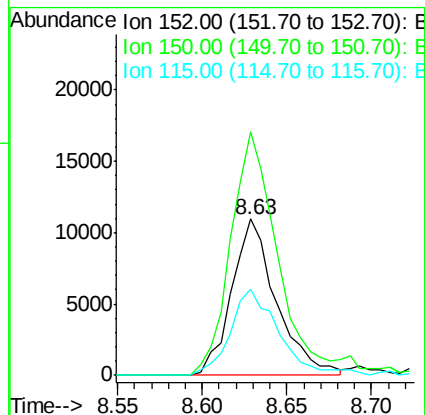
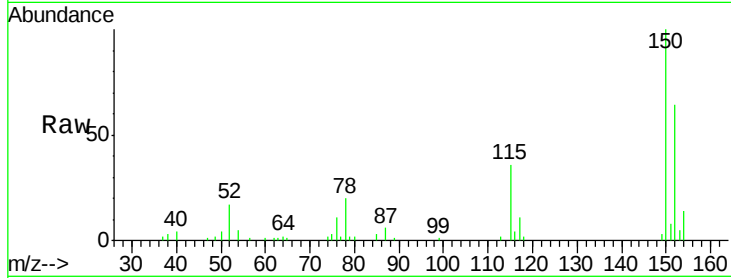


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.63 min Scan# 909
Delta R.T. -0.05 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Instrument :
BNA_G
ClientSampled :

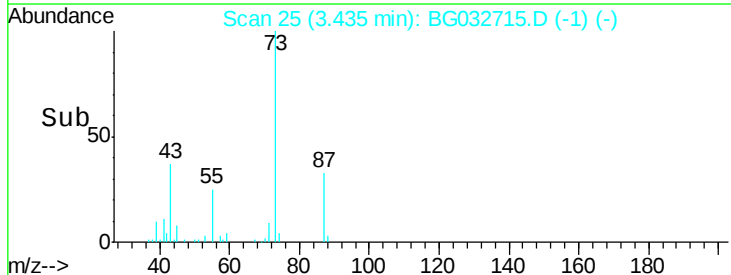
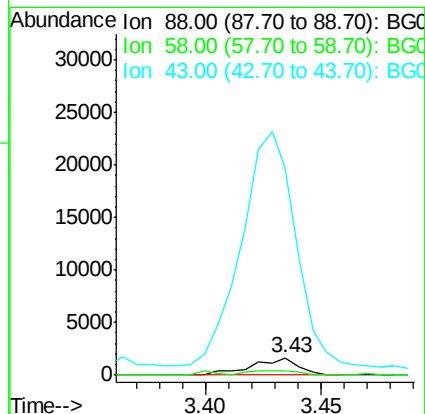
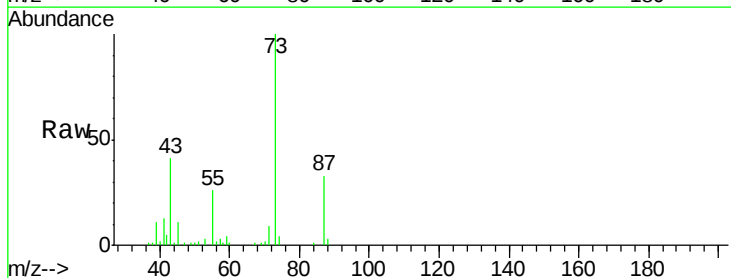
Tot Ion:152 Resp: 20103
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 55.4 53.0 79.4

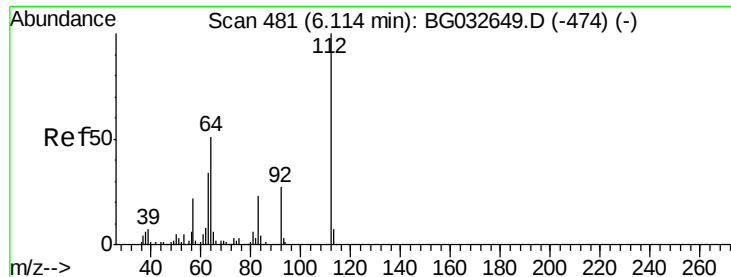


#2

1,4-Dioxane
Concen: 5.43 ng
RT: 3.43 min Scan# 25
Delta R.T. -0.35 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Tgt Ion: 88 Resp: 2274
Ion Ratio Lower Upper
88 100
58 28.6 79.6 119.4#
43 1643.3 27.4 41.0#





#5

2-Fluorophenol

Concen: 125.26 ng

RT: 6.08 min Scan# 475

Delta R.T. -0.04 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

Instrument :

BNA_G

ClientSampleId :

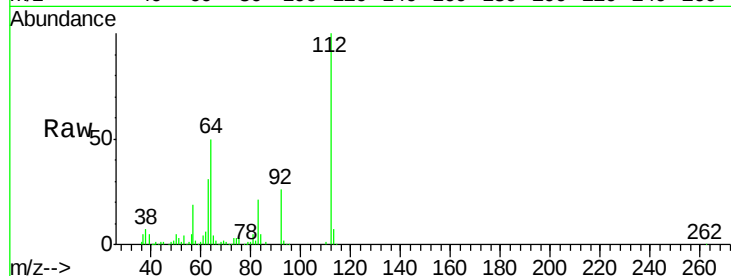
Tot Ion:112 Resp: 125506

Ion Ratio Lower Upper

112 100

64 49.6 56.3 84.5#

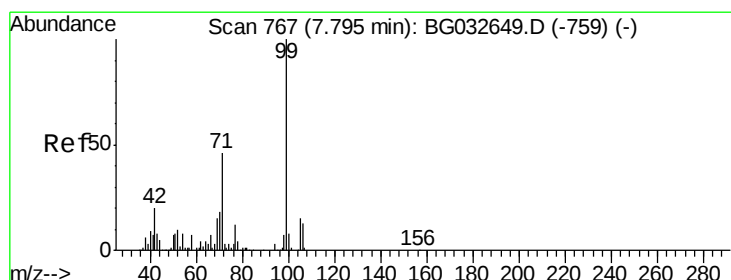
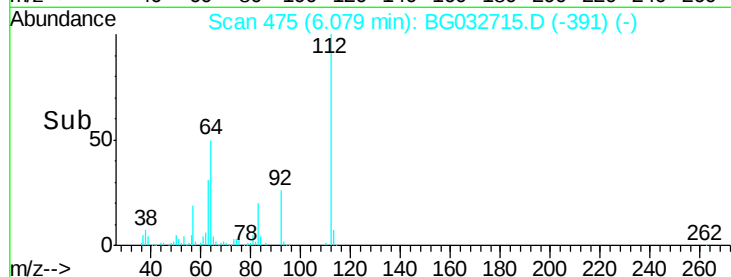
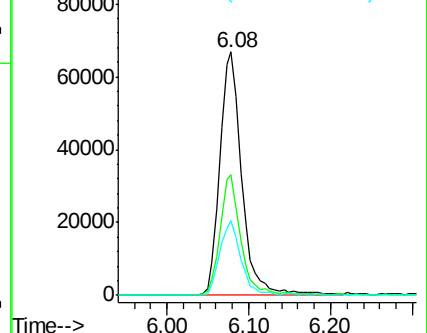
63 30.6 30.1 45.1



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



#7

Phenol-d6

Concen: 95.47 ng

RT: 7.75 min Scan# 760

Delta R.T. -0.04 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

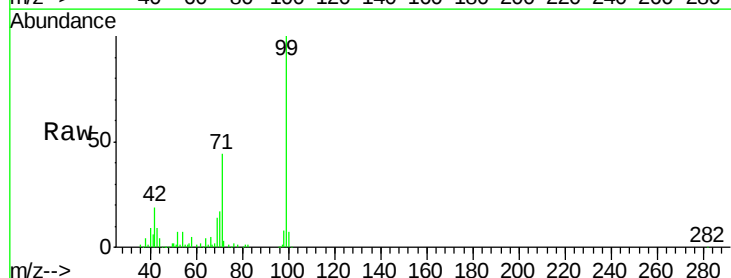
Tgt Ion: 99 Resp: 130803

Ion Ratio Lower Upper

99 100

42 19.4 14.1 21.1

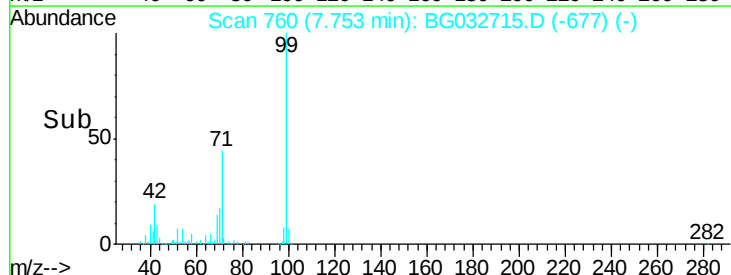
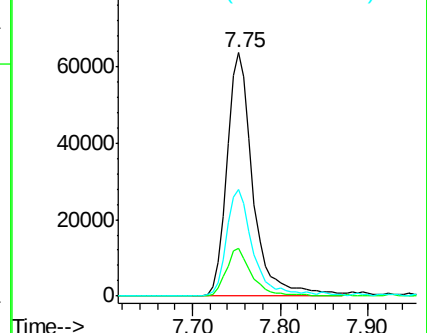
71 44.0 26.1 39.1#

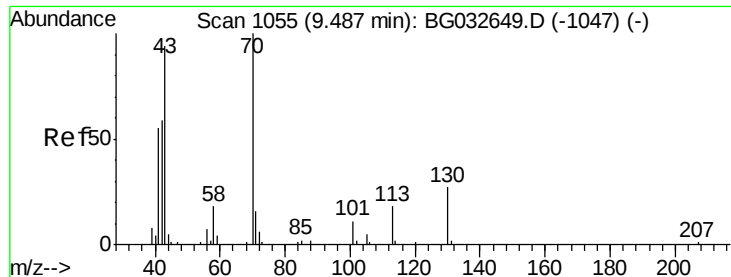


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

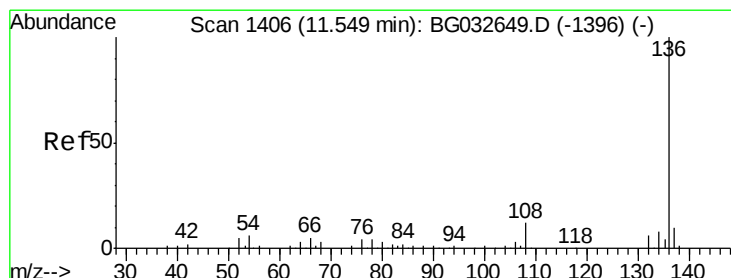
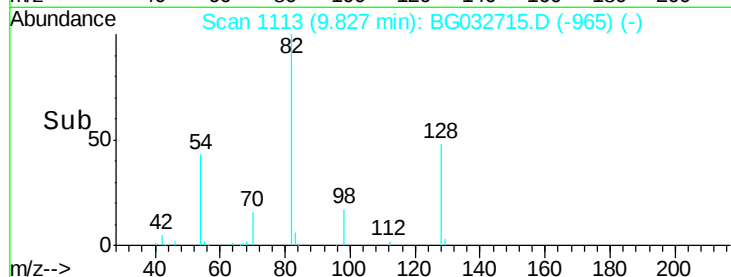
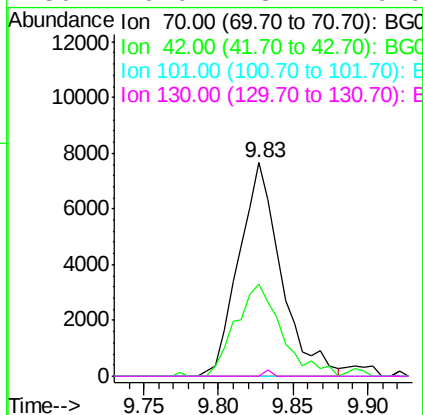
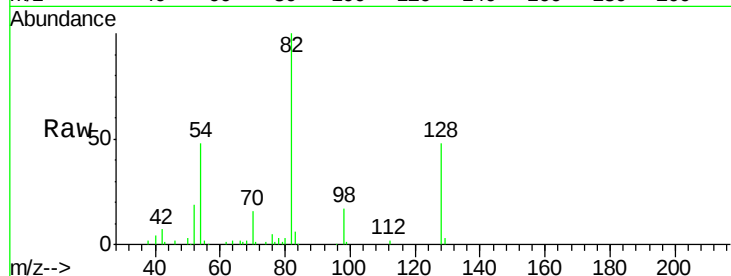




#19
n-Nitroso-di-n-propylamine
Concen: 16.29 ng
RT: 9.83 min Scan# 1113
Delta R.T. 0.34 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

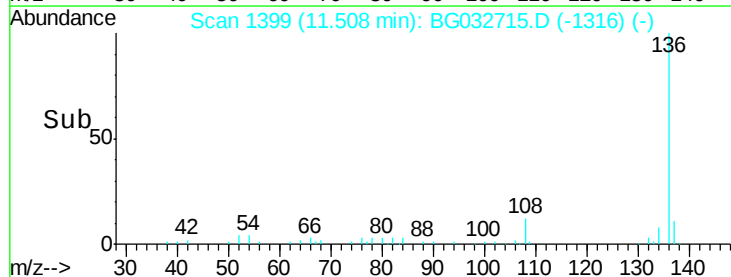
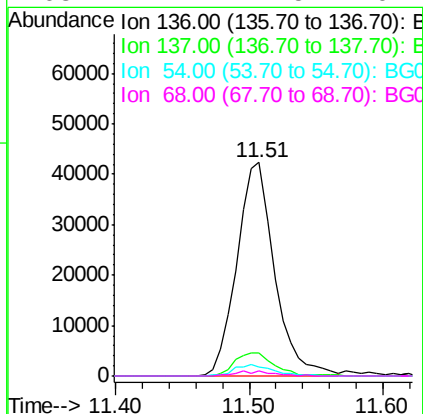
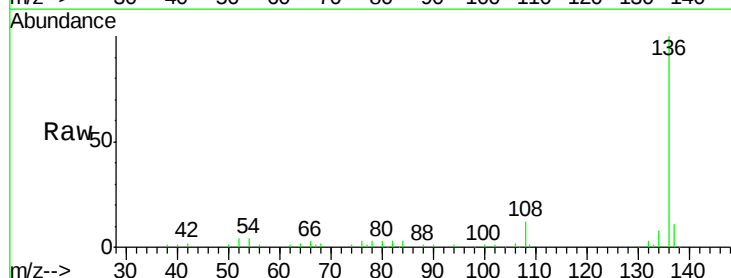
Instrument :
BNA_G
ClientSampleId :

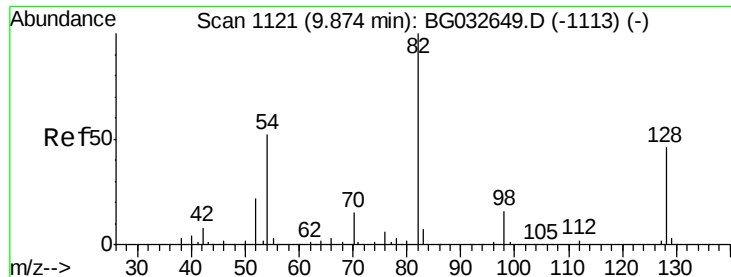
Tot Ion: 70 Resp: 15004
Ion Ratio Lower Upper
70 100
42 42.9 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.51 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Tgt Ion: 136 Resp: 82741
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 4.1 10.3 15.5#
68 2.1 4.5 6.7#

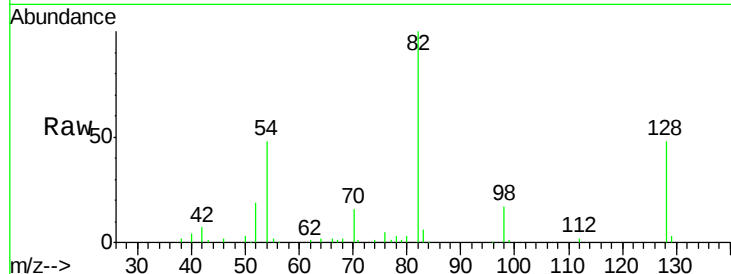




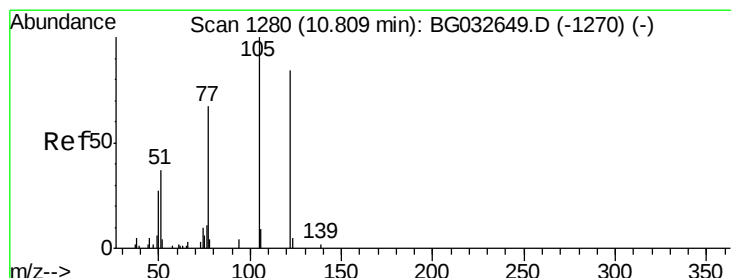
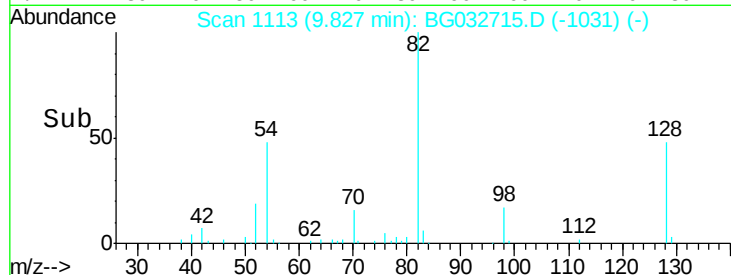
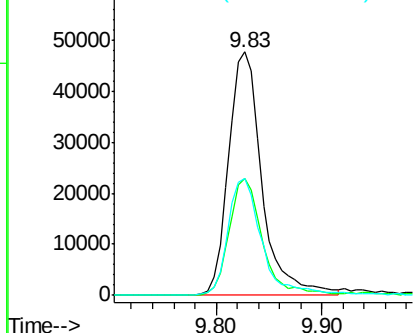
#23
Nitrobenzene-d5
Concen: 80.00 ng
RT: 9.83 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	104144
Ion Ratio	100	Lower	Upper
128	48.2	29.7	44.5#
54	48.1	43.1	64.7

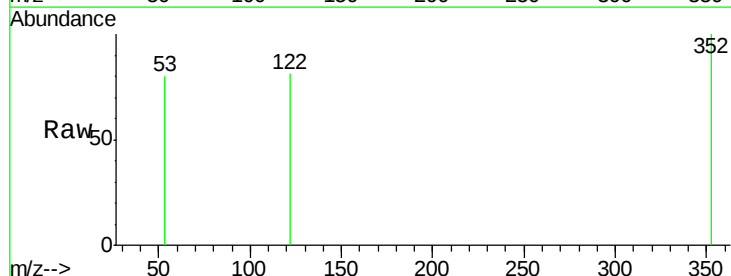


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

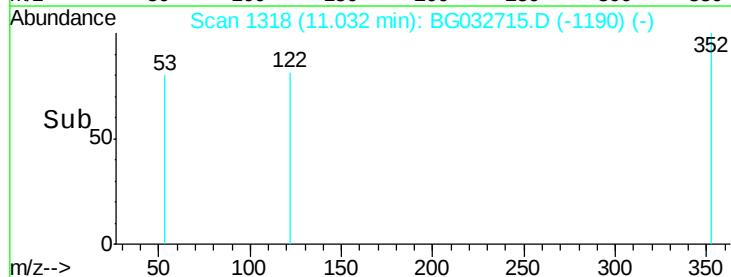
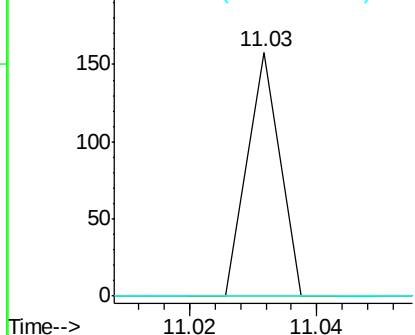


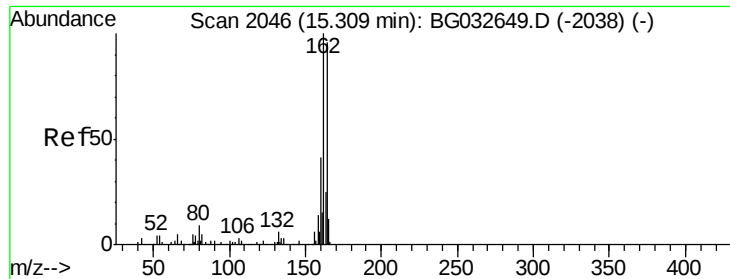
#32
Benzoic acid
Concen: 4.45 ng
RT: 11.03 min Scan# 1318
Delta R.T. 0.22 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Tgt Ion	122	Resp	56
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.27 min Scan# 2040

Delta R.T. -0.04 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

Instrument :

BNA_G

ClientSampleId :

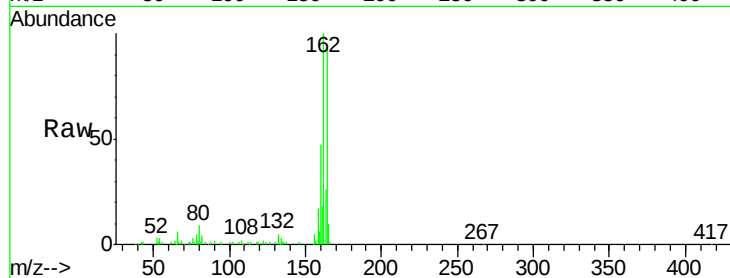
Tot Ion:164 Resp: 58503

Ion Ratio Lower Upper

164 100

162 107.9 78.8 118.2

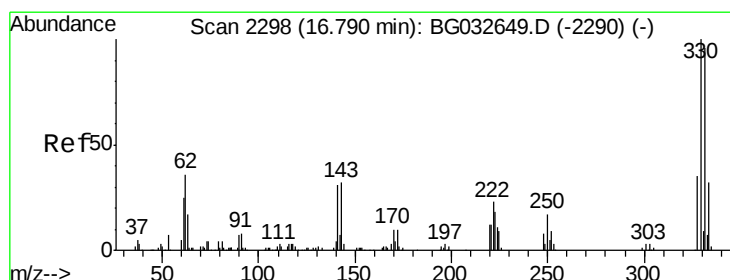
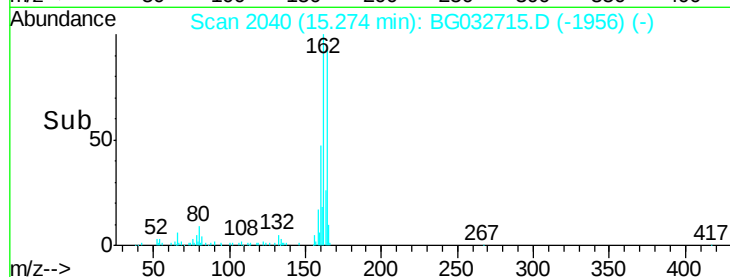
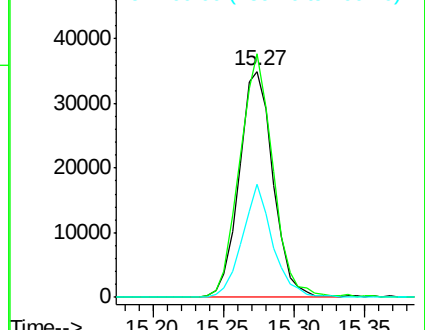
160 50.3 35.4 53.0



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: 182.82 ng

RT: 16.75 min Scan# 2292

Delta R.T. -0.04 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

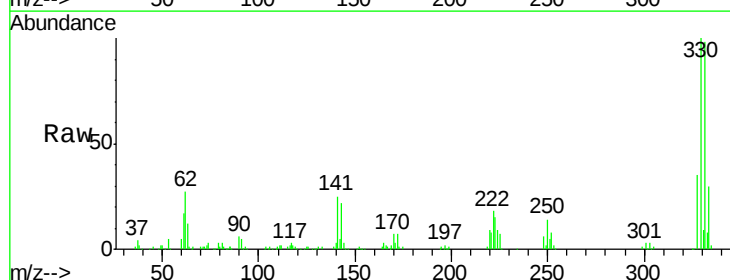
Tgt Ion:330 Resp: 164693

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

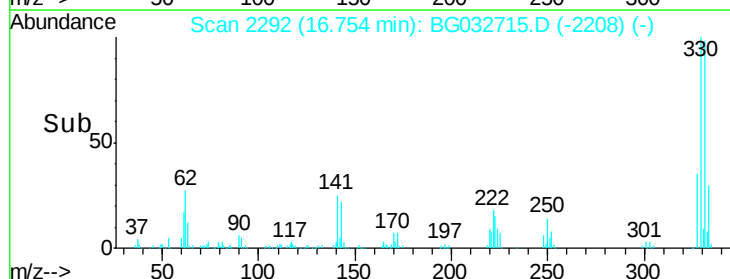
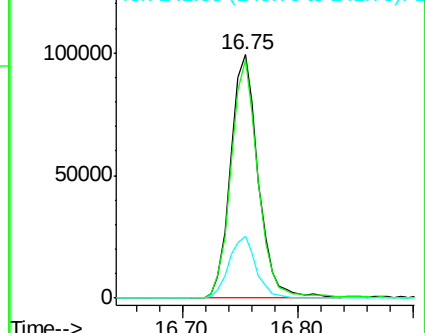
141 25.1 25.2 37.8#

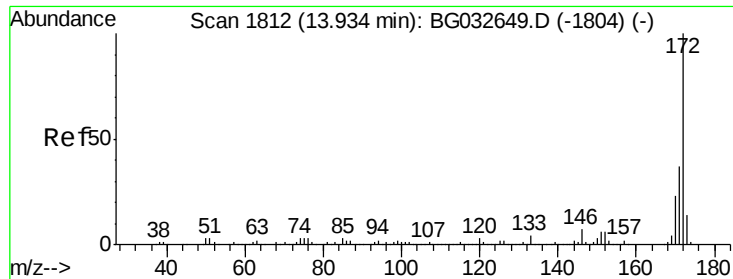


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

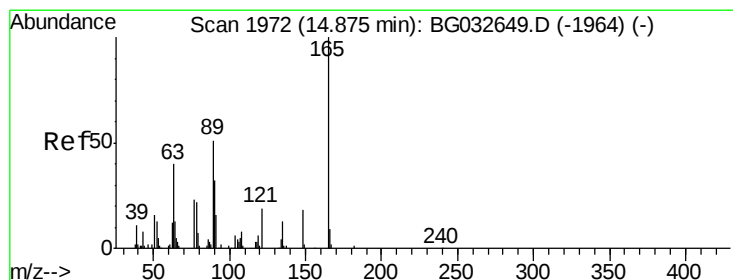
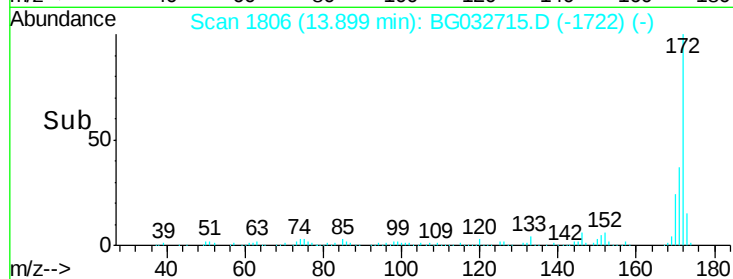
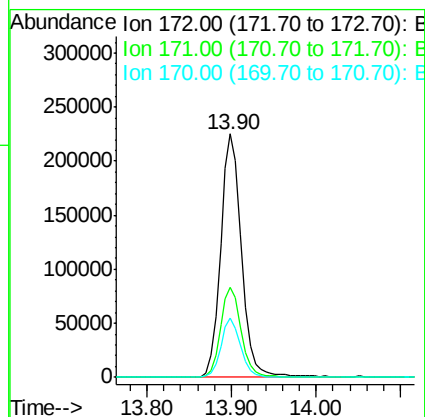
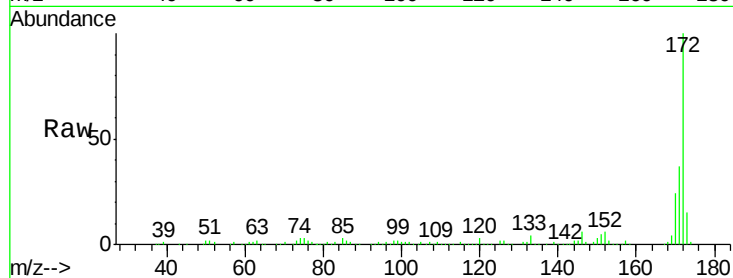




#44
 2-Fluorobiphenyl
 Concen: 82.65 ng
 RT: 13.90 min Scan# 1806
 Delta R.T. -0.04 min
 Lab File: BG032715.D
 Acq: 15 Feb 2018 16:01

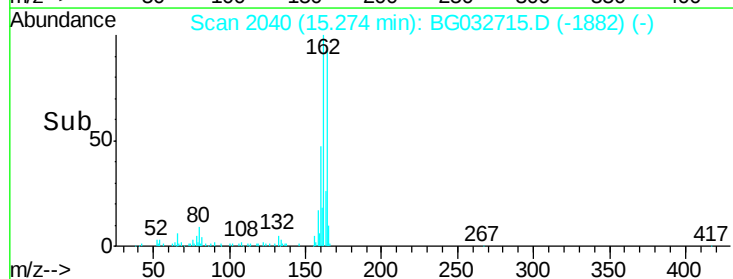
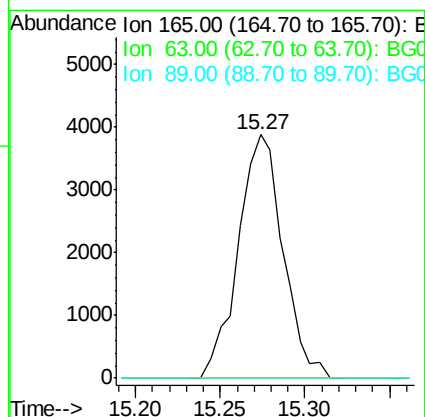
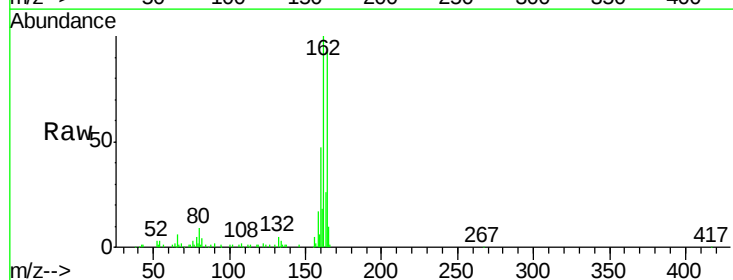
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 BNA_G
 ClientSampleId :

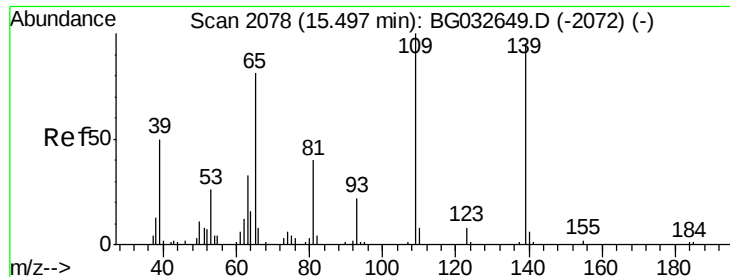
Tot Ion:172 Resp: 386677
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.85 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. 0.40 min
 Lab File: BG032715.D
 Acq: 15 Feb 2018 16:01

Tgt Ion:165 Resp: 7135
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

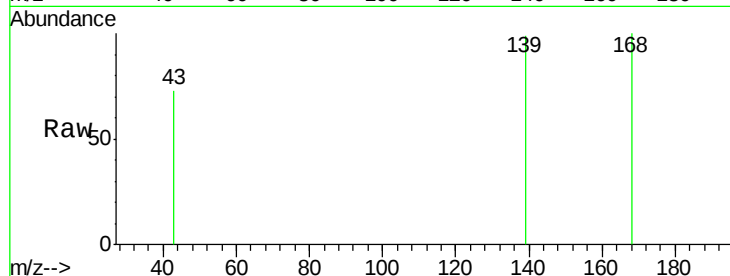




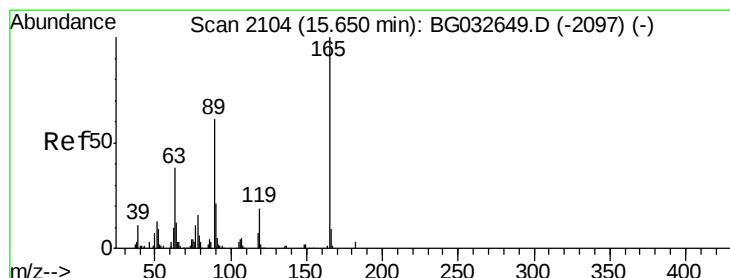
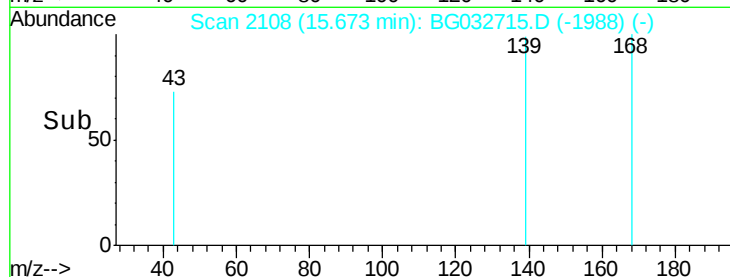
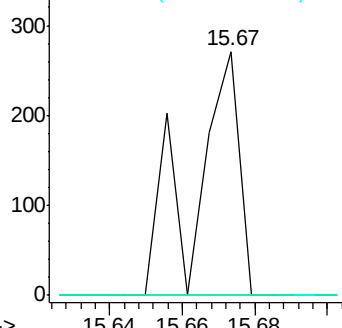
#55
4-Nitrophenol
Concen: 5.80 ng
RT: 15.67 min Scan# 2108
Delta R.T. 0.18 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 231
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

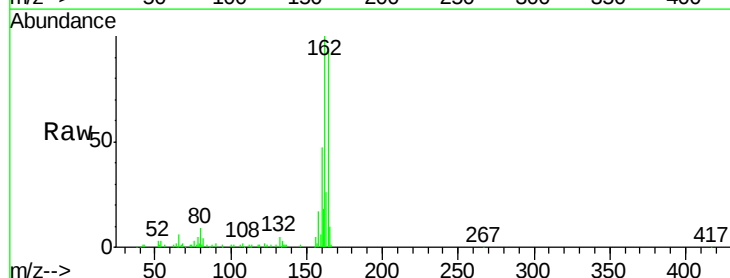


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

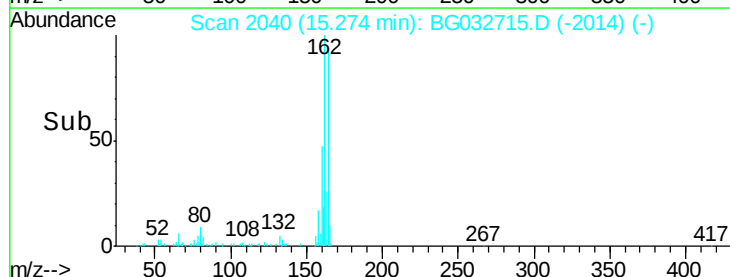
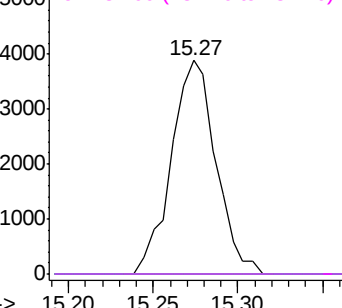


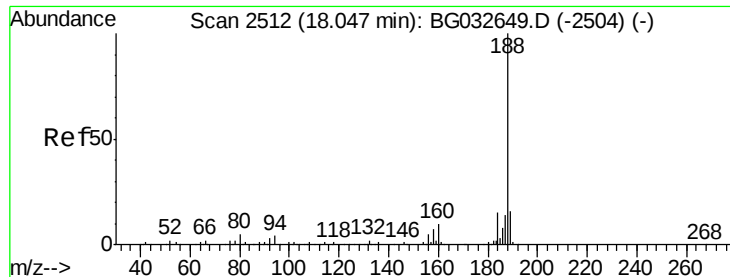
#56
2,4-Dinitrotoluene
Concen: 4.97 ng
RT: 15.27 min Scan# 2040
Delta R.T. -0.38 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Tgt Ion:165 Resp: 7135
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.01 min Scan# 2506

Delta R.T. -0.04 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

Instrument :

BNA_G

ClientSampled :

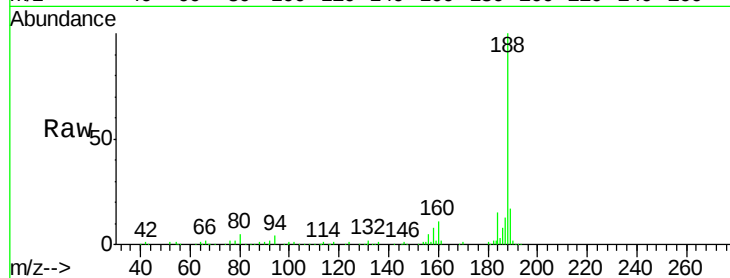
Tot Ion:188 Resp: 188660

Ion Ratio Lower Upper

188 100

94 3.9 6.9 10.3#

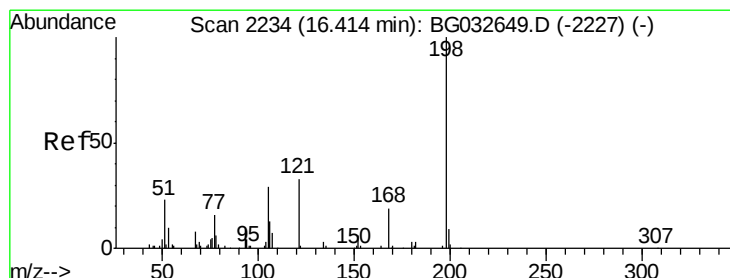
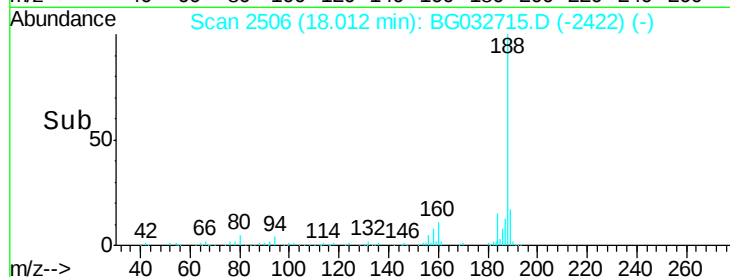
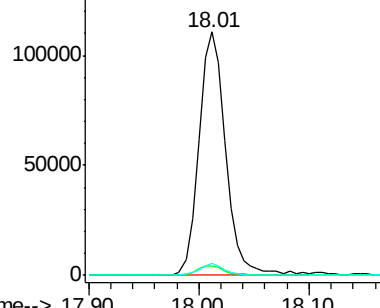
80 4.8 7.7 11.5#



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: 5.32 ng

RT: 16.76 min Scan# 2293

Delta R.T. 0.35 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

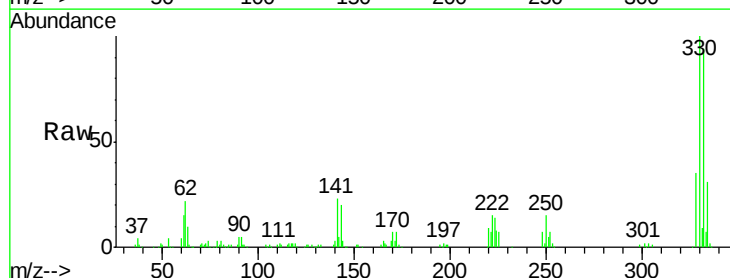
Tgt Ion:198 Resp: 453

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

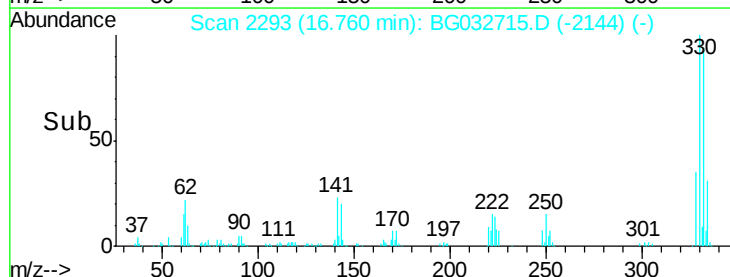
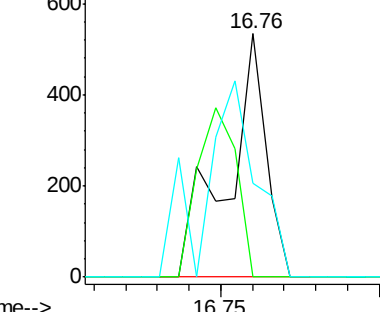
105 38.6 23.8 63.8

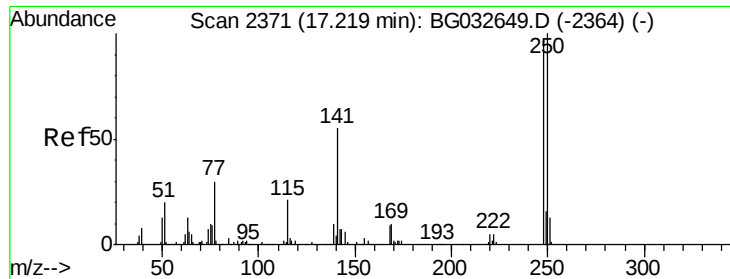


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

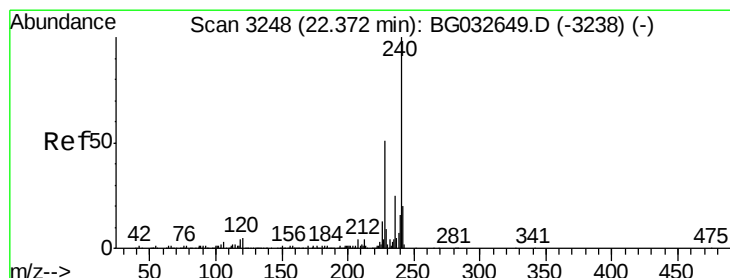
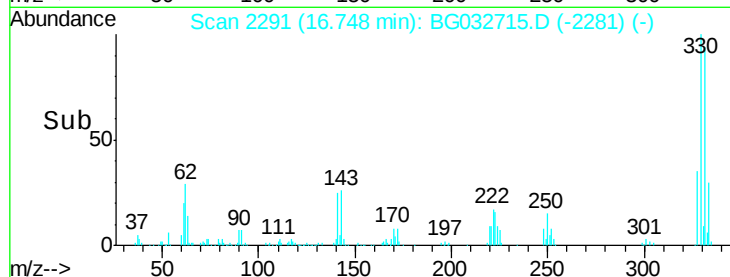
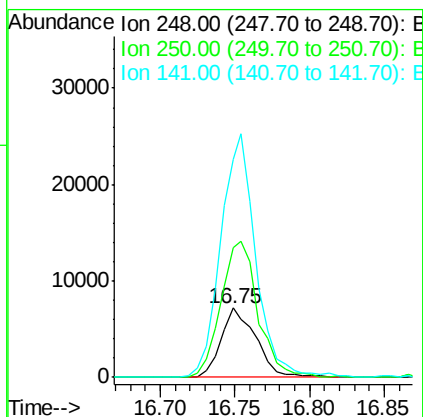
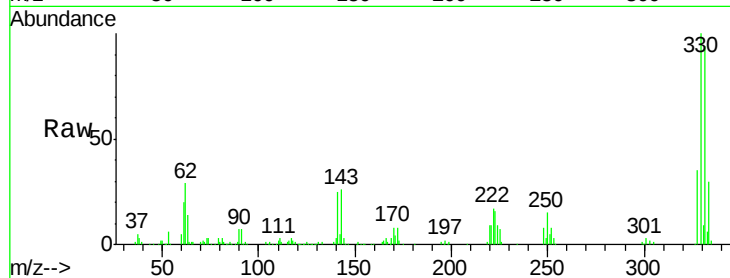




#66
4-Bromophenyl-phenylether
Concen: 4.35 ng
RT: 16.75 min Scan# 2291
Delta R.T. -0.47 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

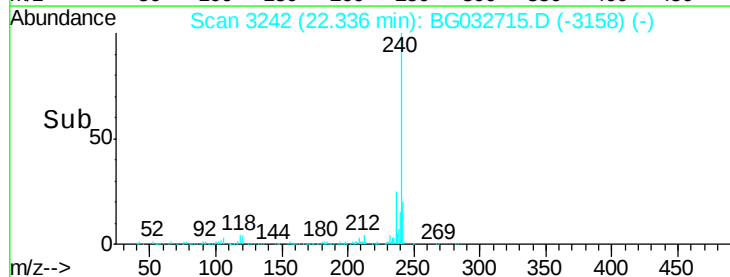
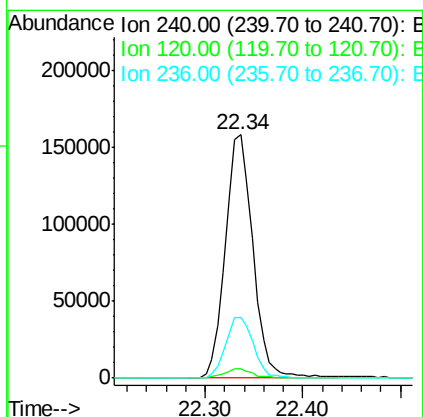
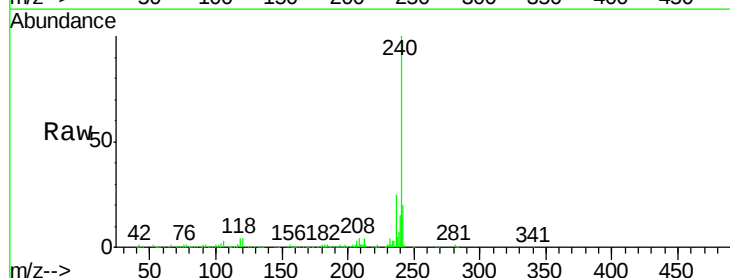
Instrument :
BNA_G
ClientSampleId :

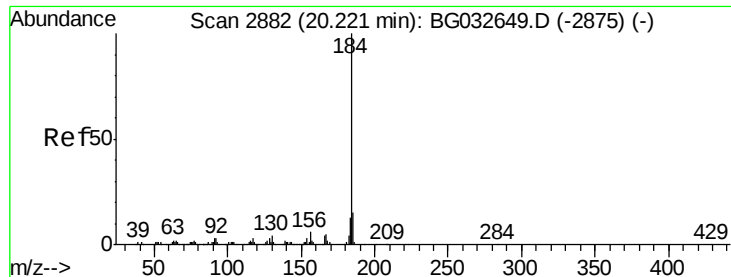
Tot Ion:248 Resp: 11747
Ion Ratio Lower Upper
248 100
250 186.8 77.1 115.7#
141 314.5 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.34 min Scan# 3242
Delta R.T. -0.04 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Tgt Ion:240 Resp: 309944
Ion Ratio Lower Upper
240 100
120 3.6 6.8 10.2#
236 24.9 20.9 31.3





#76

Benzidine

Concen: 2.24 ng

RT: 20.56 min Scan# 2940

Delta R.T. 0.34 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

Instrument :

BNA_G

ClientSampleId :

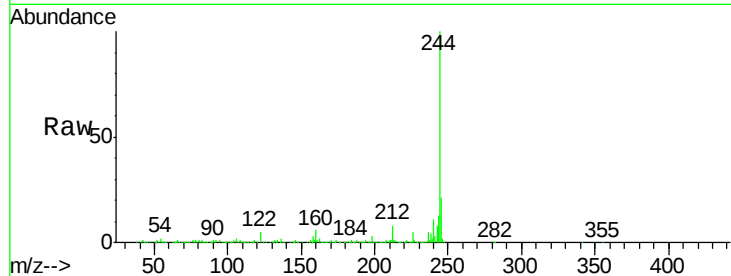
Tot Ion:184 Resp: 16321

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

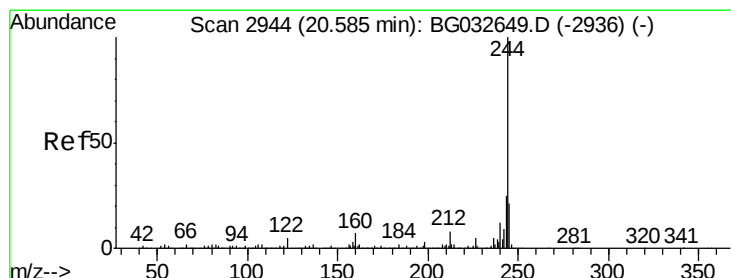
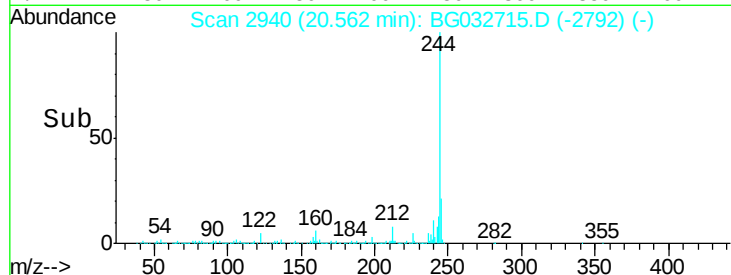
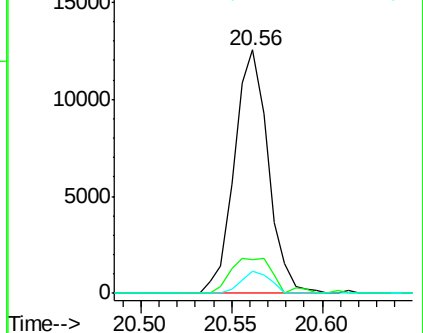
183 9.0 10.6 16.0#



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: 85.74 ng

RT: 20.56 min Scan# 2940

Delta R.T. -0.02 min

Lab File: BG032715.D

Acq: 15 Feb 2018 16:01

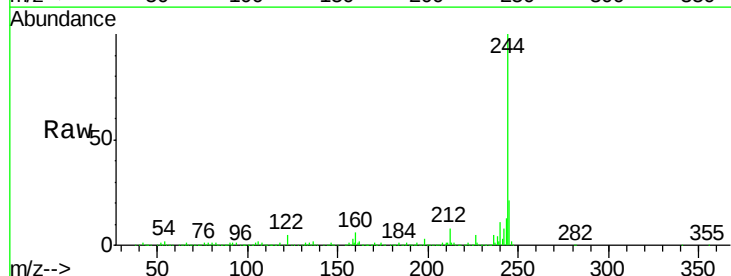
Tgt Ion:244 Resp: 1165952

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

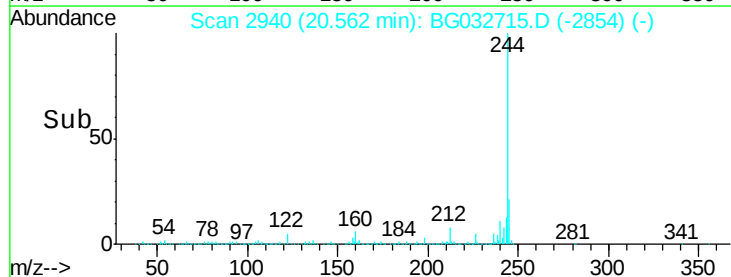
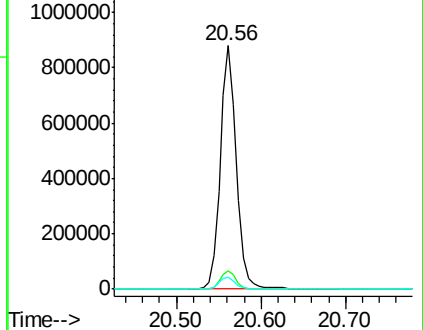
122 5.1 7.0 10.4#

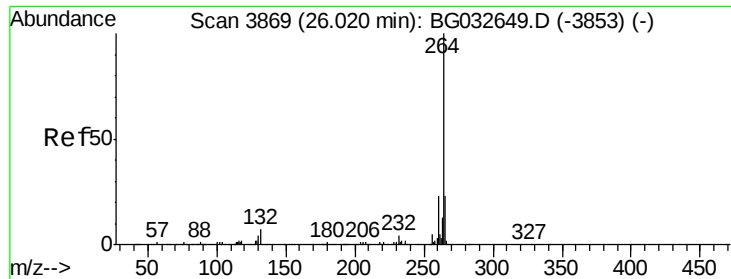


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

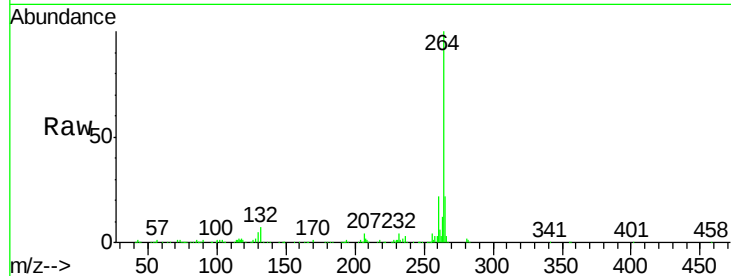




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.96 min Scan# 3859
Delta R.T. -0.06 min
Lab File: BG032715.D
Acq: 15 Feb 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.4	26.0
265	22.2	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

