

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034066.D
 Acq On : 28 Apr 2018 9:35
 Operator : SJ/JU
 Sample : J2572-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	24580	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	192620	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	172988	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	479050	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	539149	20.00	ng	-0.10
86) Perylene-d12	24.39	264	515570	20.00	ng	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	74535	48.41	ng	-0.07
7) Phenol-d6	7.00	99	20677	9.21	ng	0.00
23) Nitrobenzene-d5	8.92	82	296679	87.65	ng	-0.07
41) 2,4,6-Tribromophenol	15.89	330	225998	111.98	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1158036	98.34	ng	-0.09
78) Terphenyl-d14	19.77	244	2317269	96.56	ng	-0.09

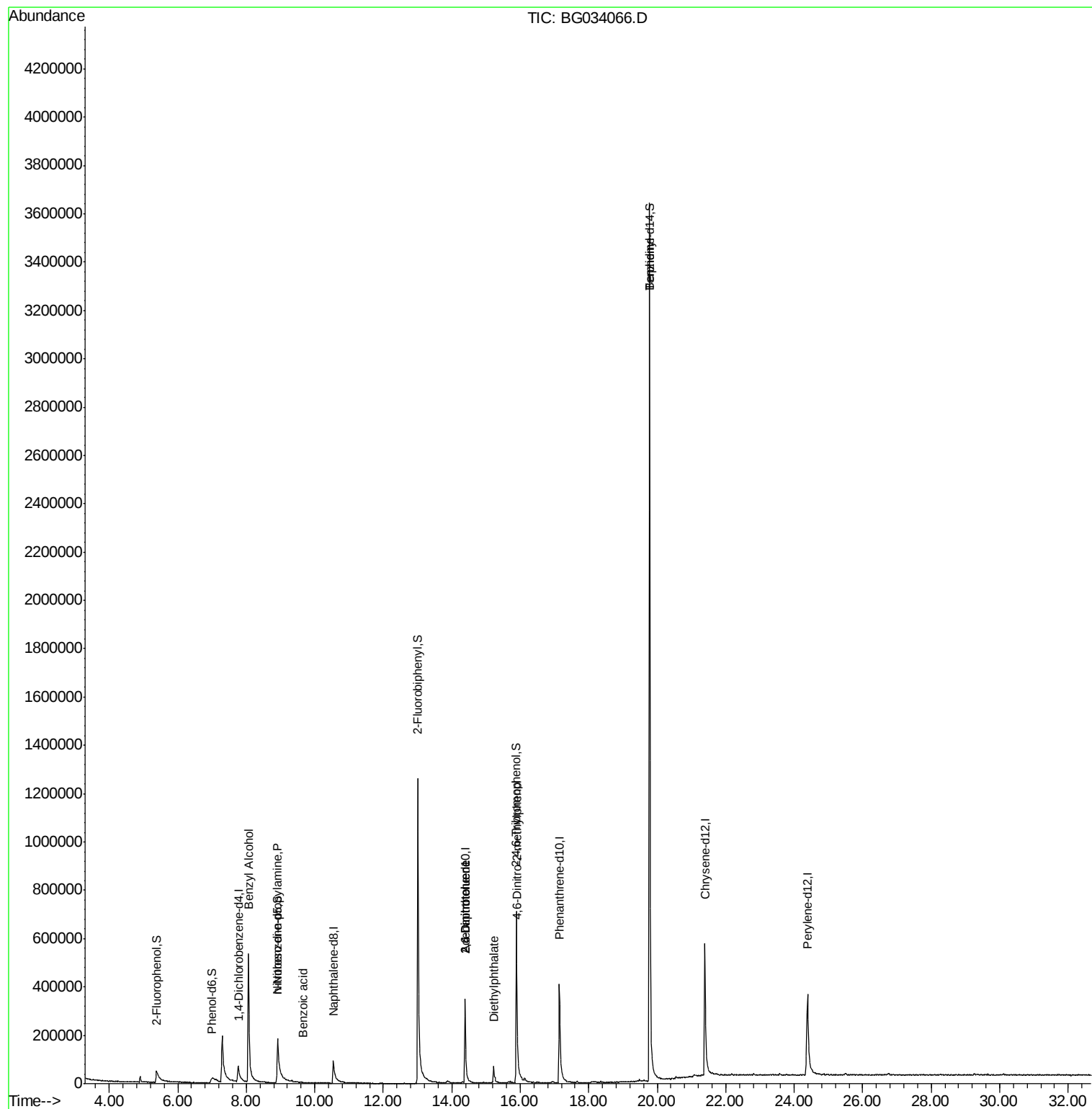
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.06	79	6197	3.16	ng	# 43
19) n-Nitroso-di-n-propylamine	8.91	70	35010	18.29	ng	# 74
32) Benzoic acid	9.67	122	75	5.11	ng	# 1
50) 2,6-Dinitrotoluene	14.39	165	20775	7.20	ng	# 21
56) 2,4-Dinitrotoluene	14.39	165	20775	5.42	ng	# 18
59) Diethylphthalate	15.22	149	63357	3.94	ng	# 97
64) 4,6-Dinitro-2-methylphenol	15.90	198	865	6.81	ng	# 67
76) Benzidine	19.77	184	31696	2.18	ng	# 89

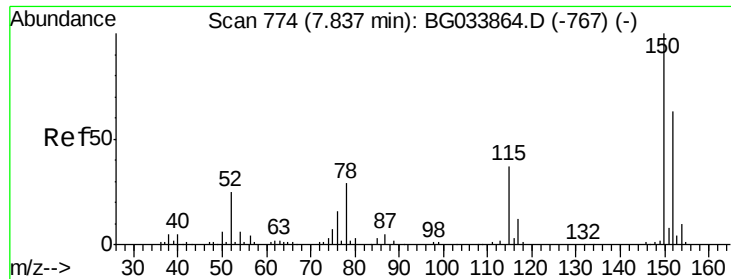
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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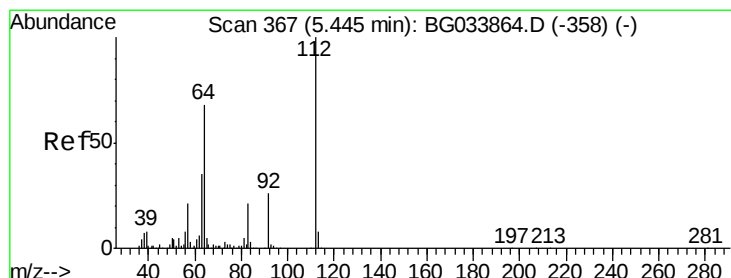
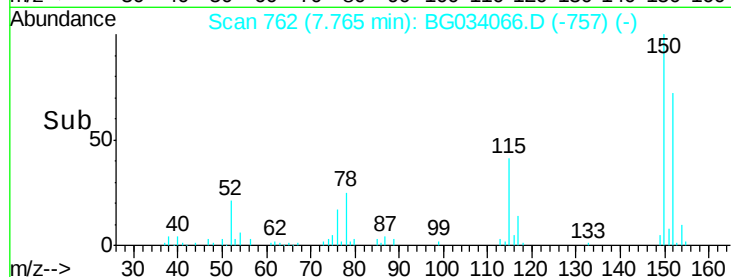
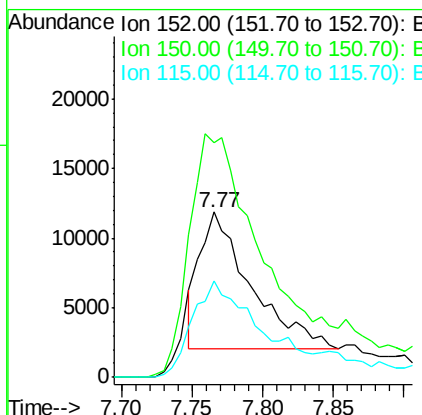
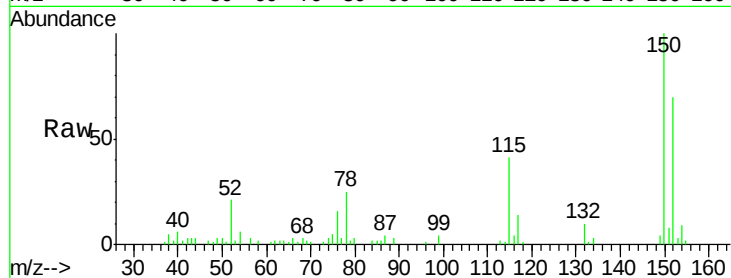


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 762
Delta R.T. -0.07 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Instrument :
BNA_G
ClientSampled :

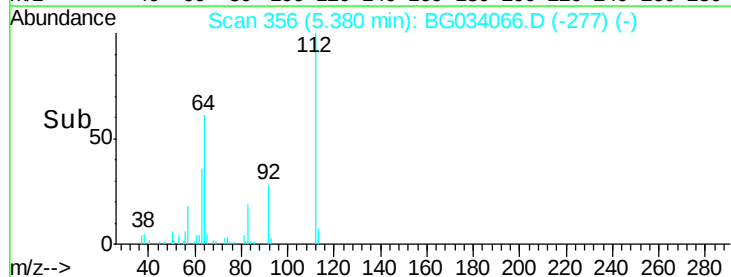
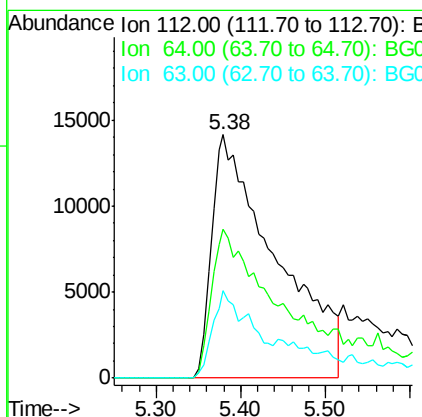
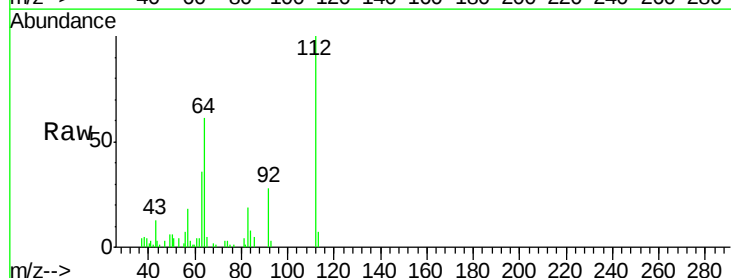
Tot Ion:152 Resp: 24580
Ion Ratio Lower Upper
152 100
150 142.4 126.6 189.8
115 58.1 53.0 79.4

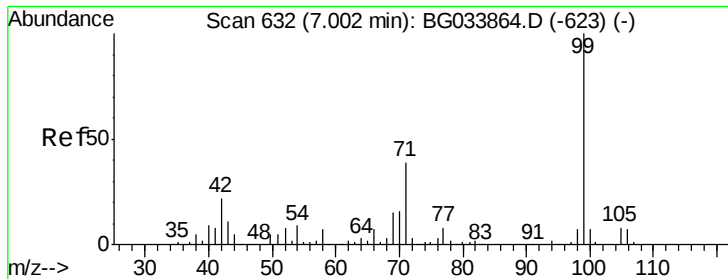


#5

2-Fluorophenol
Concen: 48.41 ng
RT: 5.38 min Scan# 356
Delta R.T. -0.07 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Tgt Ion:112 Resp: 74535
Ion Ratio Lower Upper
112 100
64 60.9 56.3 84.5
63 36.0 30.1 45.1





#7

Phenol-d6

Concen: 9.21 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

Instrument :

BNA_G

ClientSampleId :

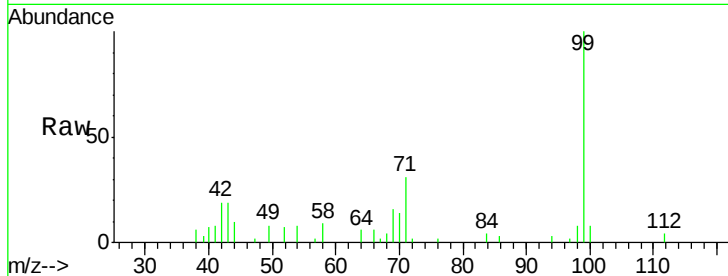
Tot Ion: 99 Resp: 20677

Ion Ratio Lower Upper

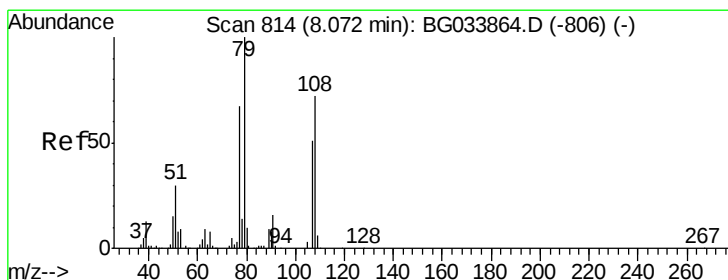
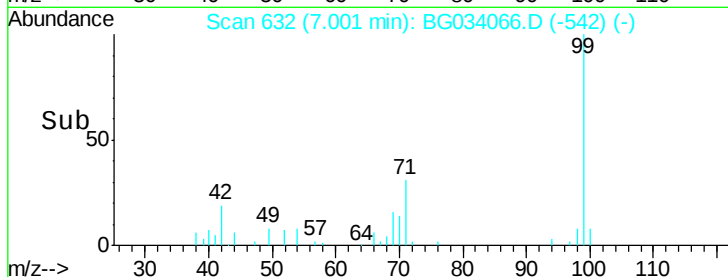
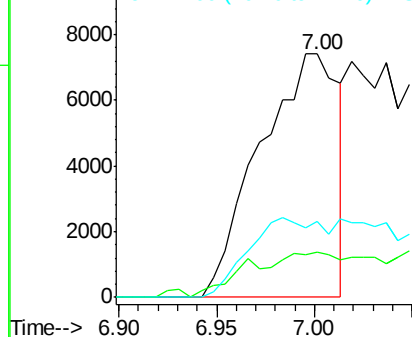
99 100

42 18.5 14.1 21.1

71 31.4 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: 3.16 ng

RT: 8.06 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

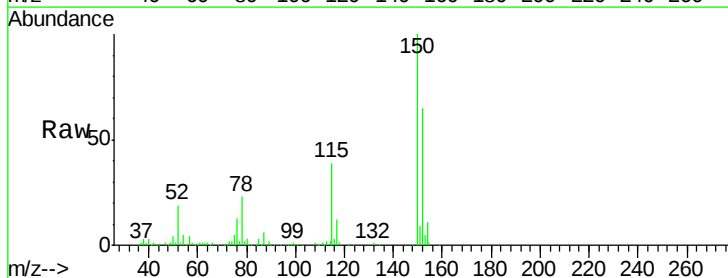
Tgt Ion: 79 Resp: 6197

Ion Ratio Lower Upper

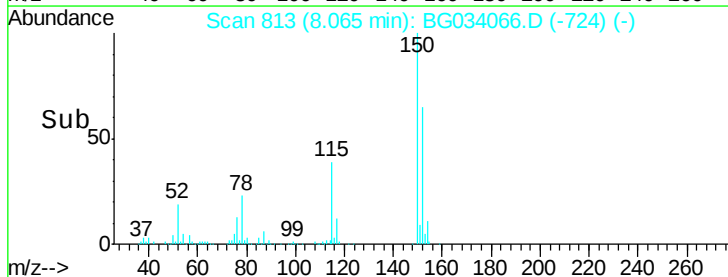
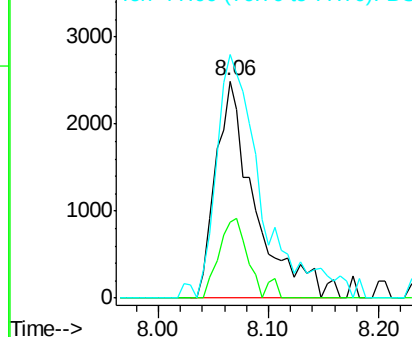
79 100

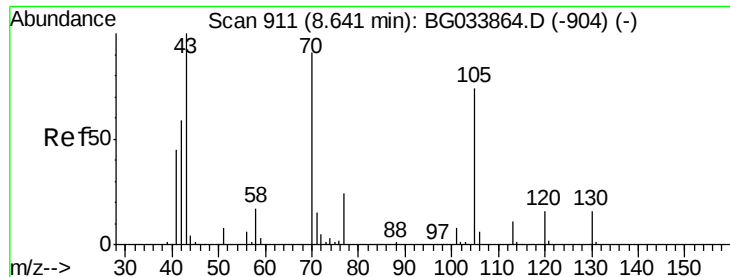
108 34.9 57.2 85.8#

77 112.2 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

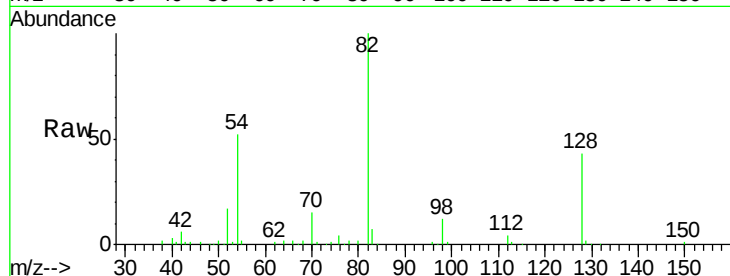




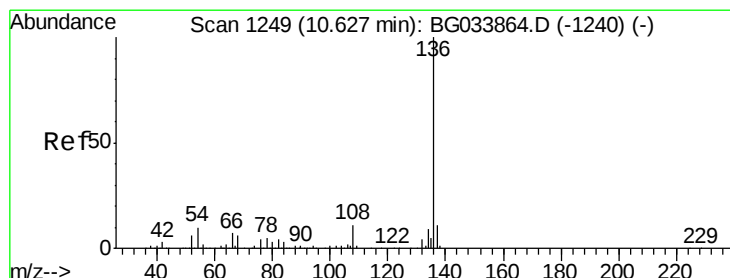
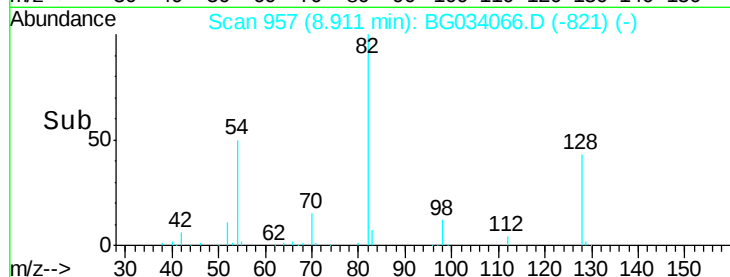
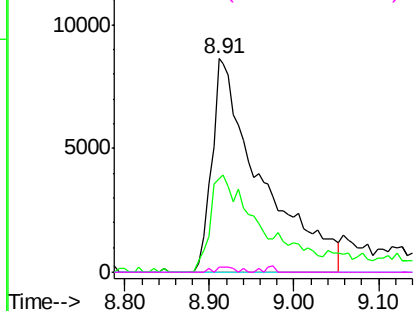
#19
n-Nitroso-di-n-propylamine
Concen: 18.29 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 35010
Ion Ratio Lower Upper
70 100
42 43.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



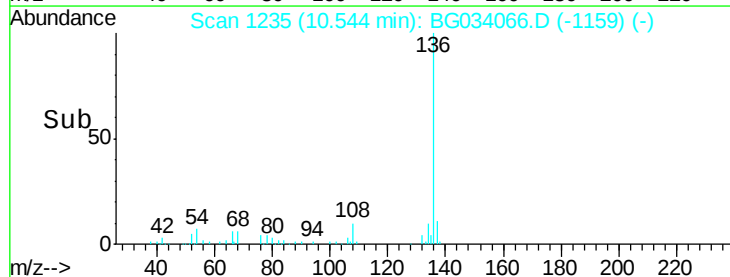
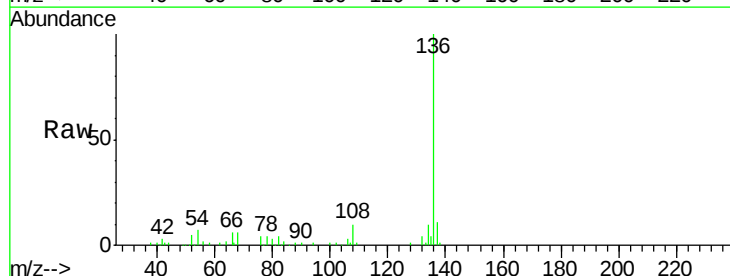
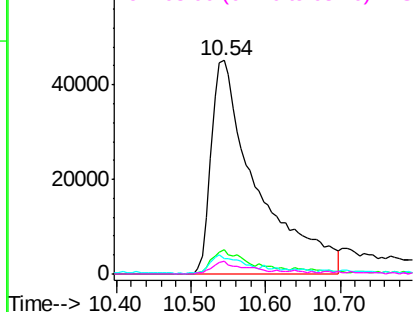
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

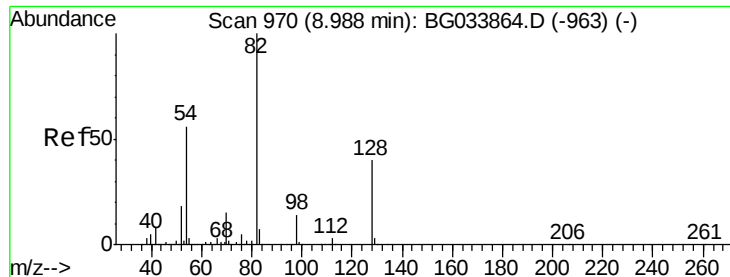


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Tgt Ion: 136 Resp: 192620
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.5 10.3 15.5#
68 5.9 4.5 6.7

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

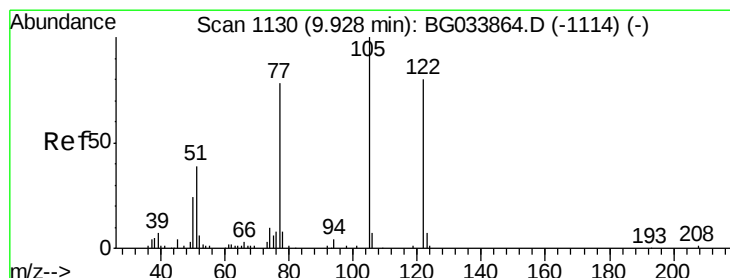
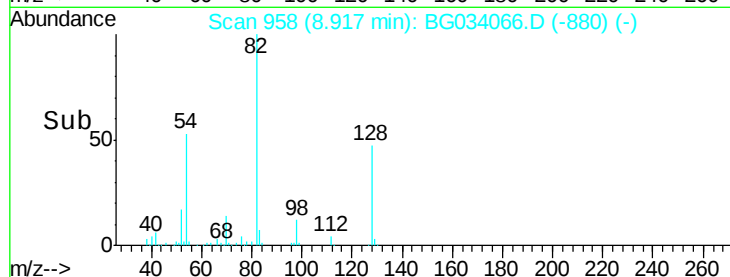
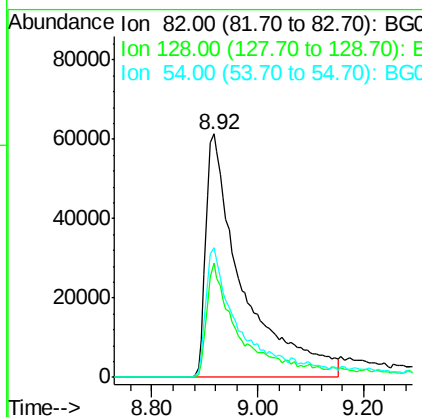
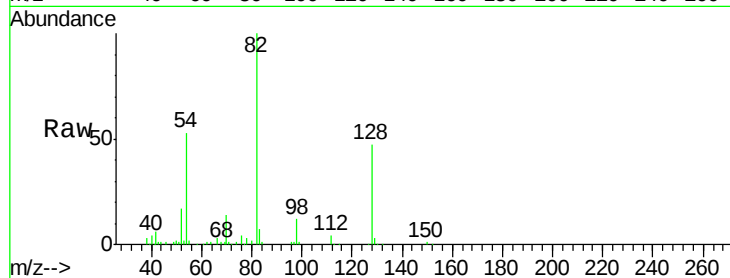




#23
 Nitrobenzene-d5
 Concen: 87.65 ng
 RT: 8.92 min Scan# 958
 Delta R.T. -0.07 min
 Lab File: BG034066.D
 Acq: 28 Apr 2018 9:35

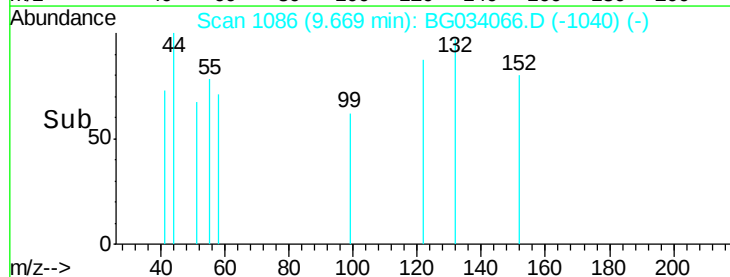
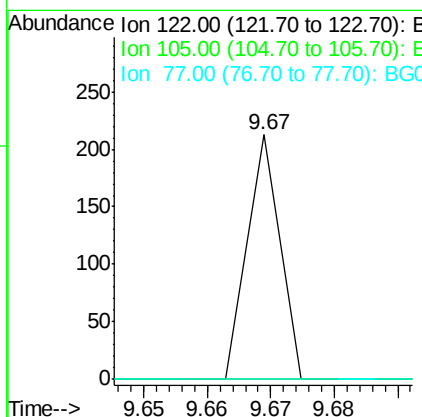
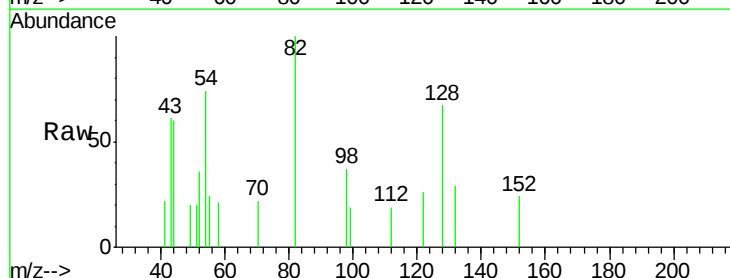
Instrument :
 BNA_G
 ClientSampled :

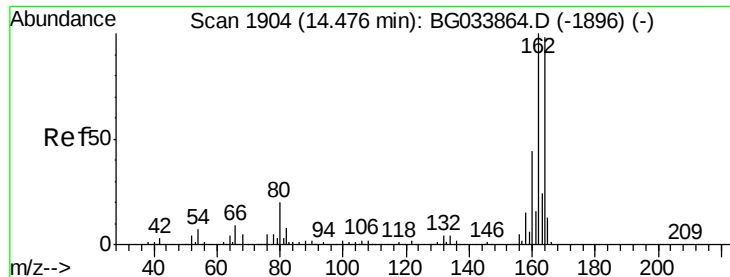
Tot Ion	82	Resp	296679
Ion Ratio	Lower	Upper	
82	100		
128	46.7	29.7	44.5#
54	53.2	43.1	64.7



#32
 Benzoic acid
 Concen: 5.11 ng
 RT: 9.67 min Scan# 1086
 Delta R.T. -0.26 min
 Lab File: BG034066.D
 Acq: 28 Apr 2018 9:35

Tgt Ion	122	Resp	75
Ion Ratio	Lower	Upper	
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.09 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

Instrument :

BNA_G

ClientSampleId :

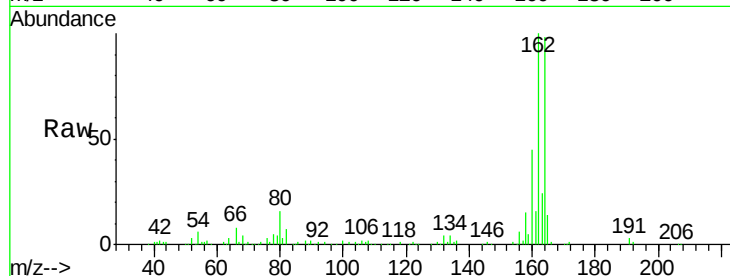
Tot Ion:164 Resp: 172988

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

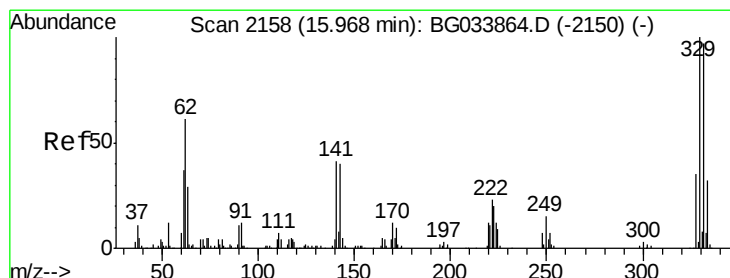
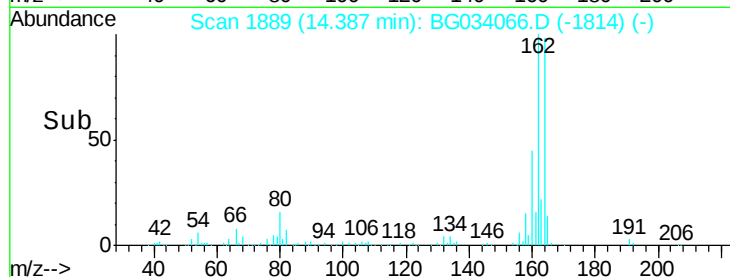
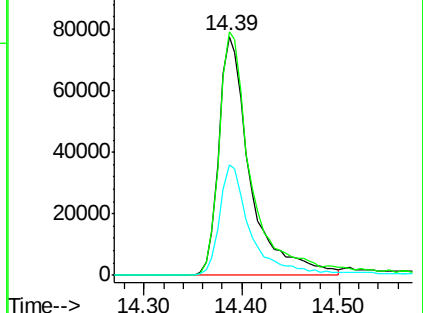
160 46.0 35.4 53.0



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: 111.98 ng

RT: 15.89 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

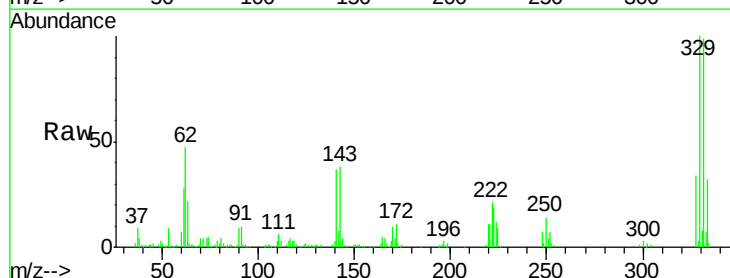
Tgt Ion:330 Resp: 225998

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

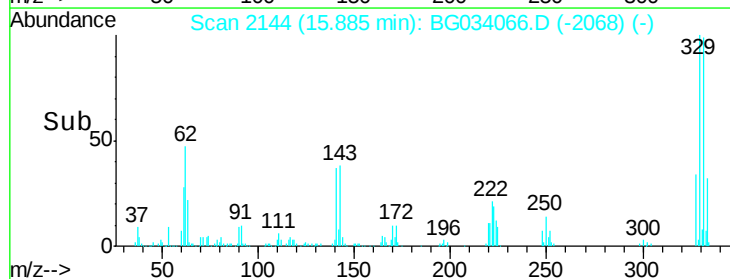
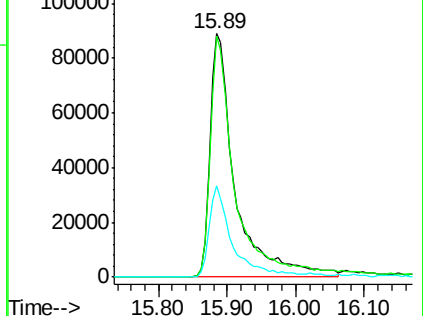
141 34.8 25.2 37.8

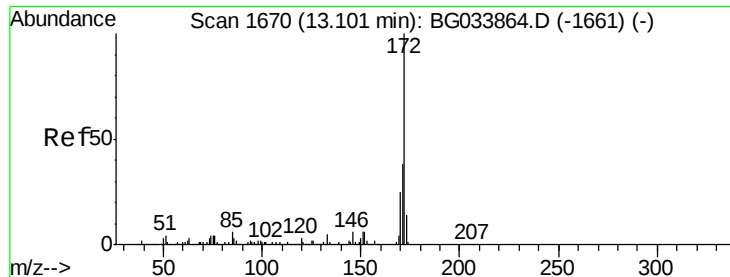


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

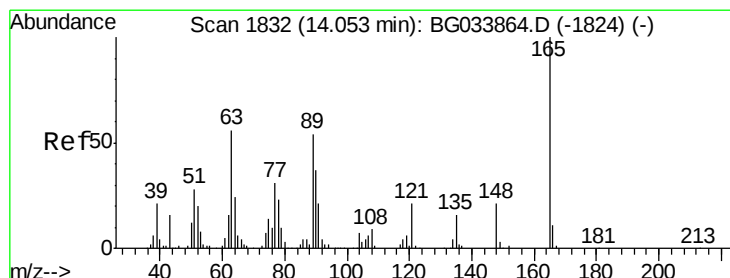
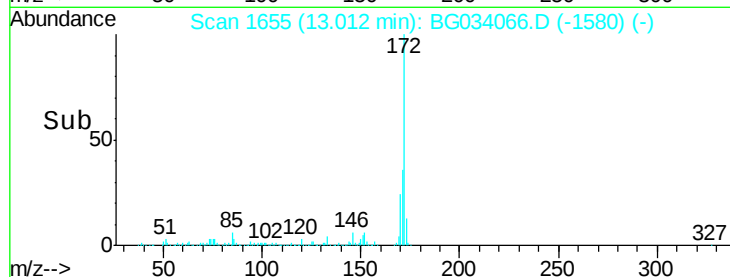
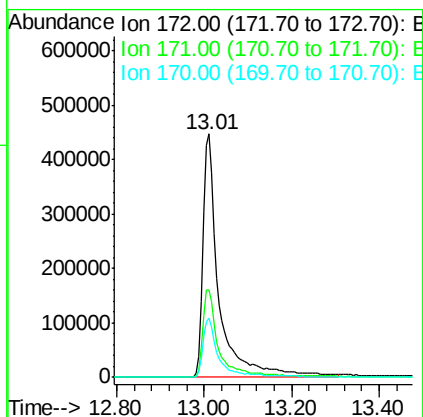
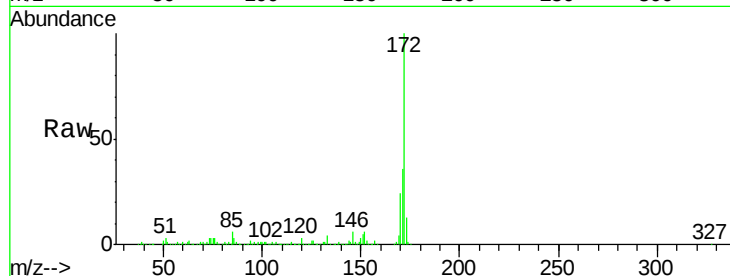




#44
2-Fluorobiphenyl
Concen: 98.34 ng
RT: 13.01 min Scan# 1655
Delta R.T. -0.09 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

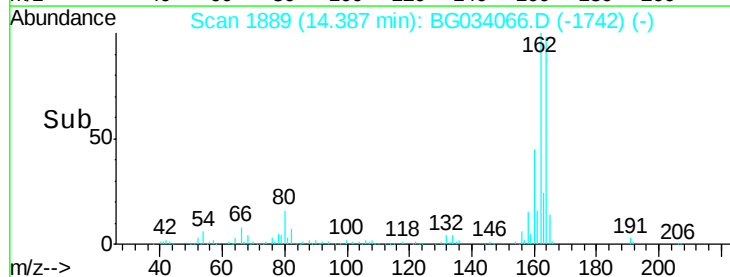
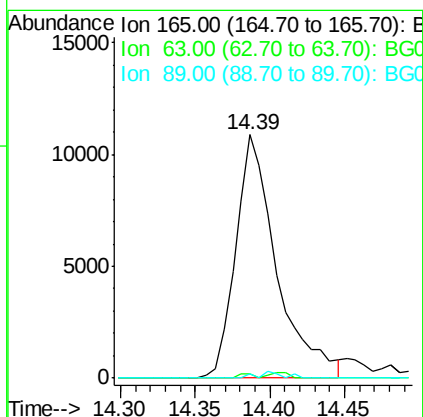
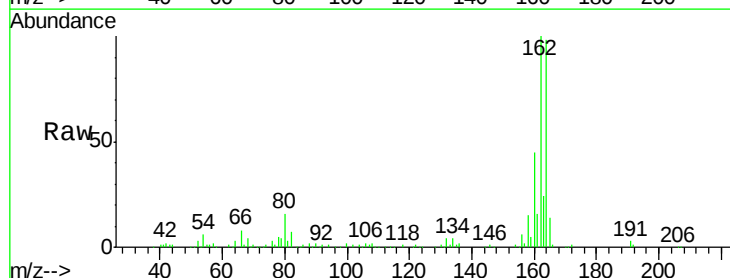
Instrument :
BNA_G
ClientSampleId :

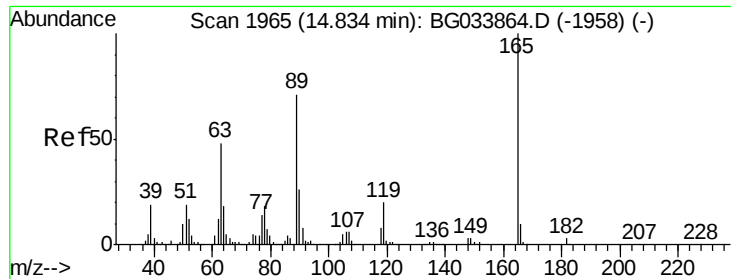
Tot Ion:172 Resp: 1158036
Ion Ratio Lower Upper
172 100
171 36.1 30.0 45.0
170 24.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.20 ng
RT: 14.39 min Scan# 1889
Delta R.T. 0.33 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Tgt Ion:165 Resp: 20775
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 1.8 49.2 73.8#

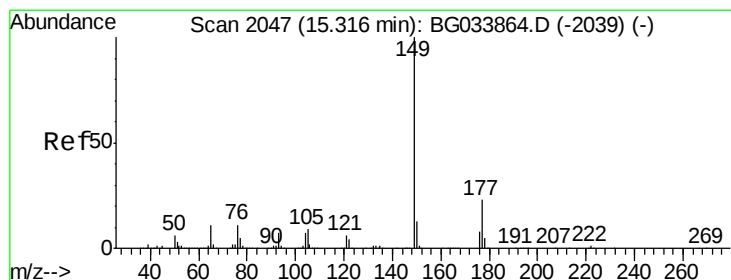
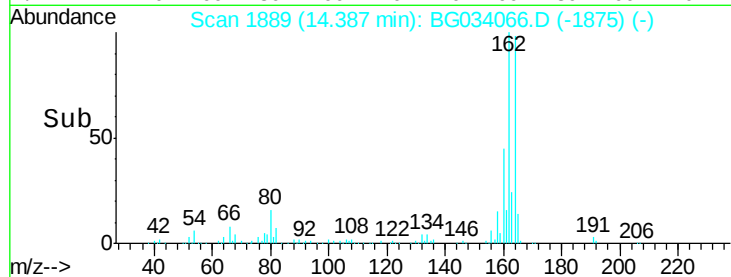
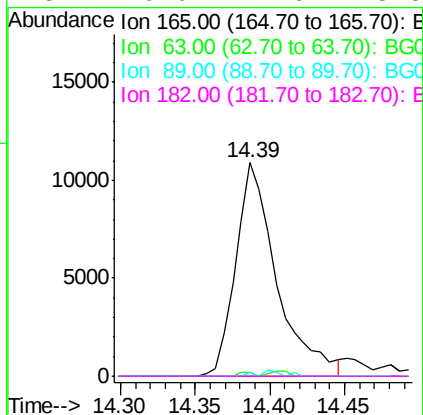
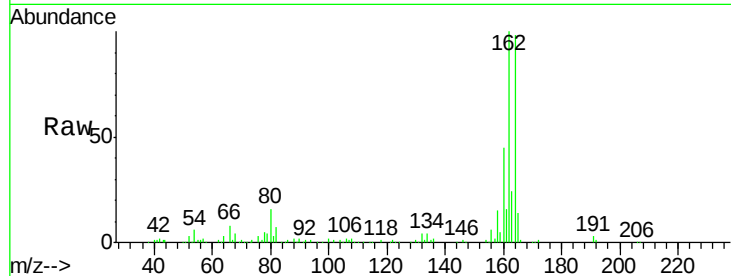




#56
 2,4-Dinitrotoluene
 Concen: 5.42 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.45 min
 Lab File: BG034066.D
 Acq: 28 Apr 2018 9:35

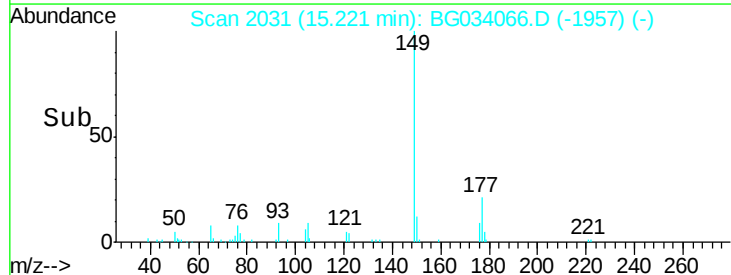
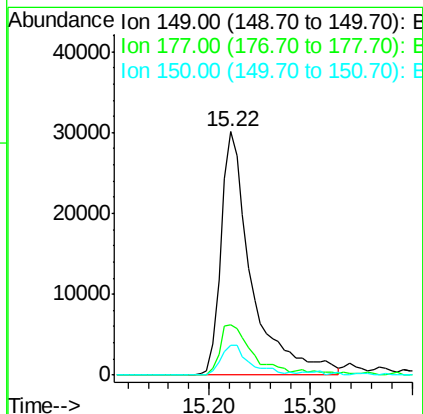
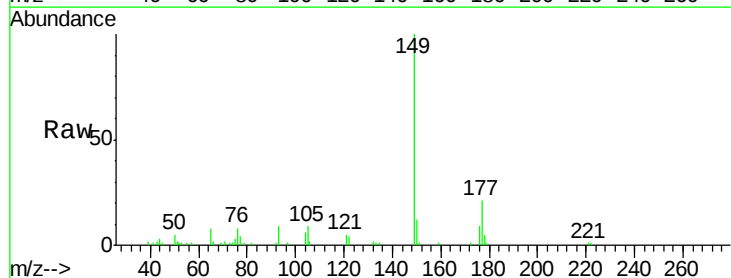
Instrument :
 BNA_G
 ClientSampleId :

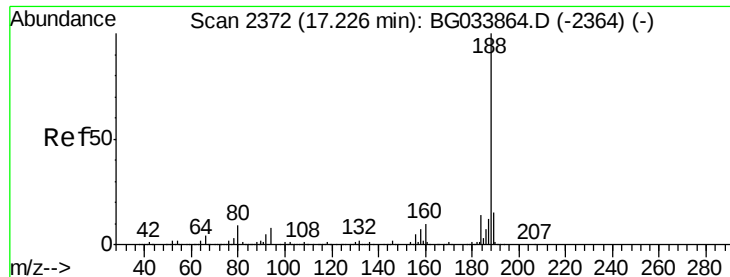
Tot Ion:165	Resp:	20775
Ion Ratio	Lower	Upper
165	100	
63	1.8	42.0 63.0#
89	1.8	66.9 100.3#
182	0.0	2.6 3.8#



#59
 Diethylphthalate
 Concen: 3.94 ng
 RT: 15.22 min Scan# 2031
 Delta R.T. -0.09 min
 Lab File: BG034066.D
 Acq: 28 Apr 2018 9:35

Tgt Ion:149	Resp:	63357
Ion Ratio	Lower	Upper
149	100	
177	20.8	18.5 27.7
150	12.3	10.2 15.2

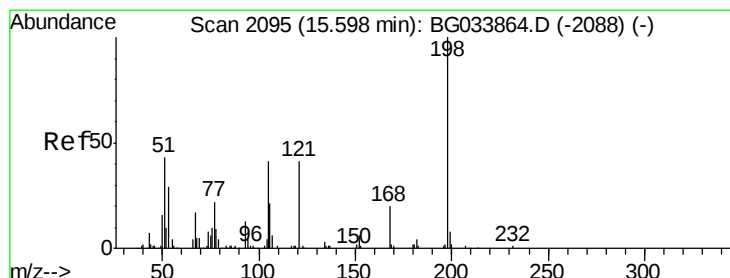
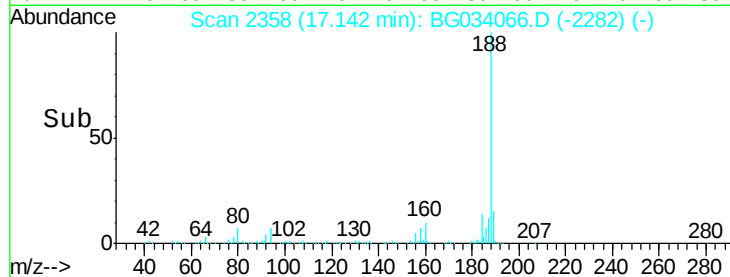
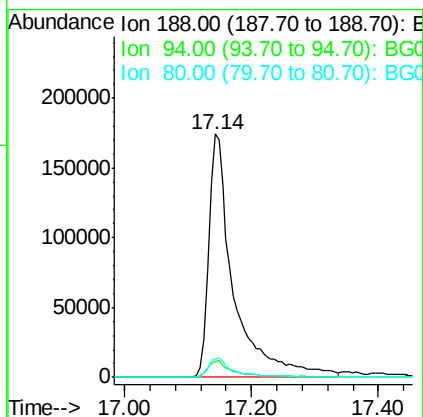
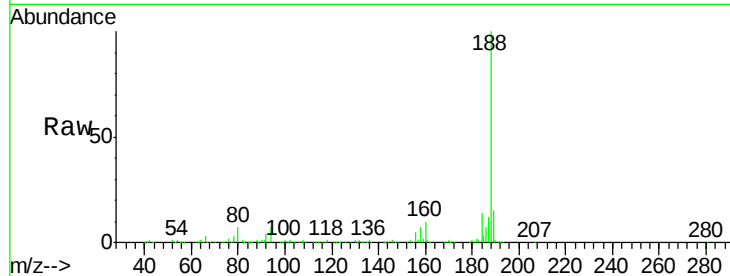




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.14 min Scan# 2358
Delta R.T. -0.08 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

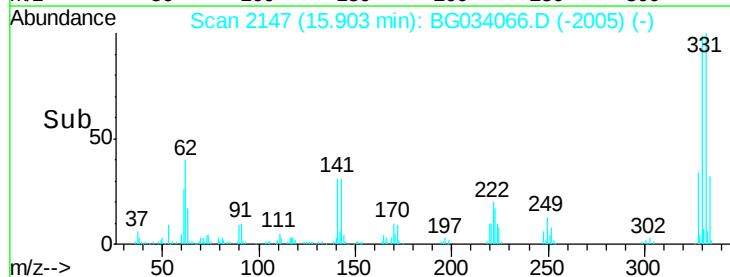
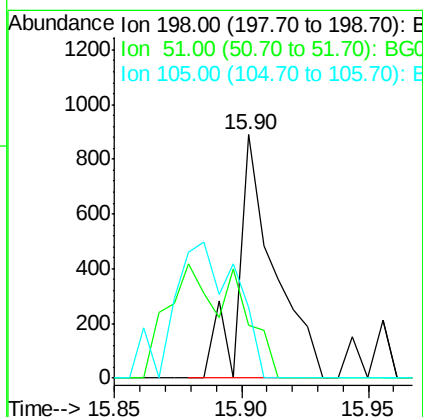
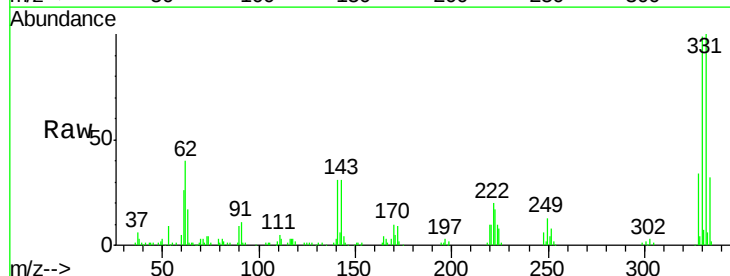
Instrument :
BNA_G
ClientSampleId :

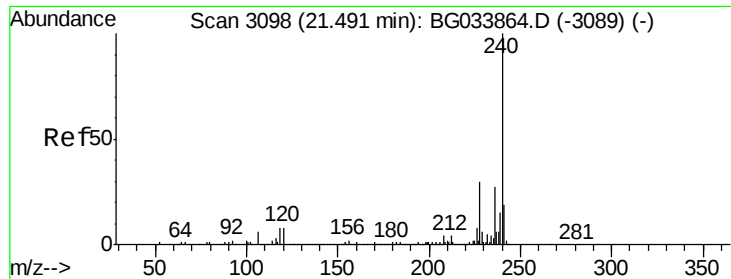
Tot Ion:188 Resp: 479050
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 7.4 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.81 ng
RT: 15.90 min Scan# 2147
Delta R.T. 0.30 min
Lab File: BG034066.D
Acq: 28 Apr 2018 9:35

Tgt Ion:198 Resp: 865
Ion Ratio Lower Upper
198 100
51 21.8 30.6 70.6#
105 29.1 23.8 63.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

Instrument :

BNA_G

ClientSampleId :

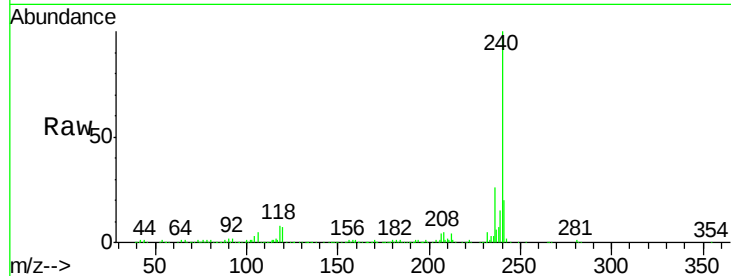
Tot Ion:240 Resp: 539149

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

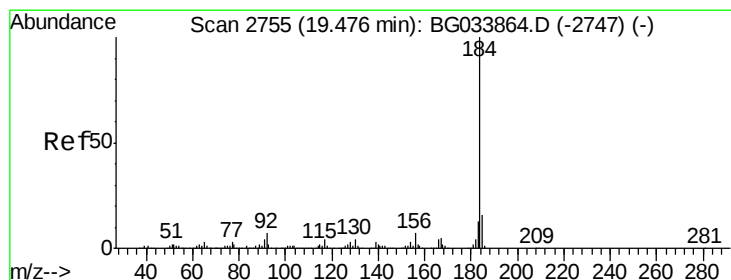
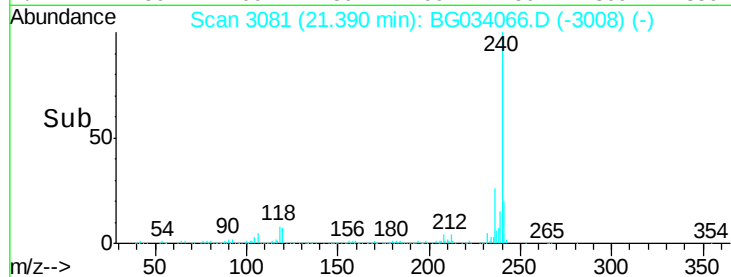
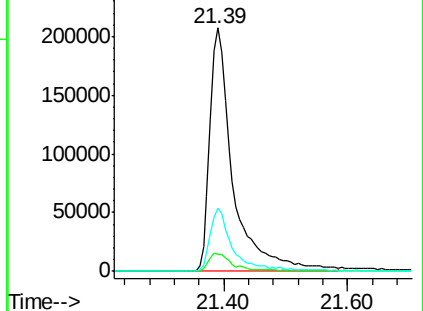
236 25.8 20.9 31.3



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: 2.18 ng

RT: 19.77 min Scan# 2806

Delta R.T. 0.30 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

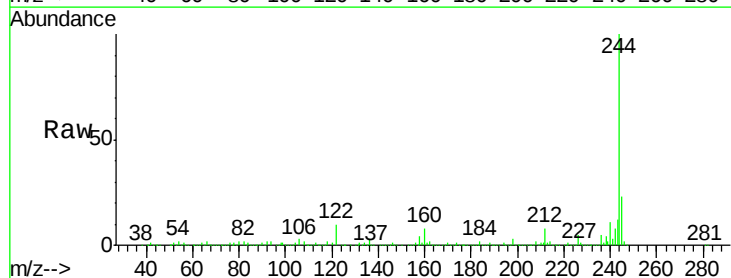
Tgt Ion:184 Resp: 31696

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

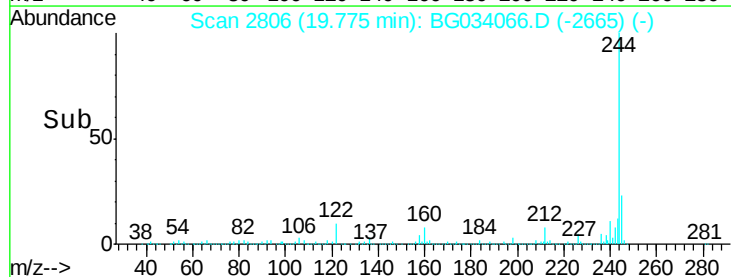
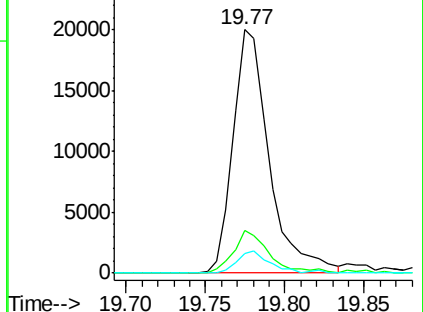
183 8.0 10.6 16.0#

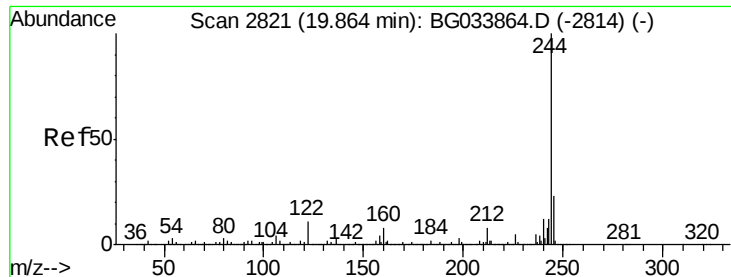


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.56 ng

RT: 19.77 min Scan# 2806

Delta R.T. -0.09 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

Instrument :

BNA_G

ClientSampleId :

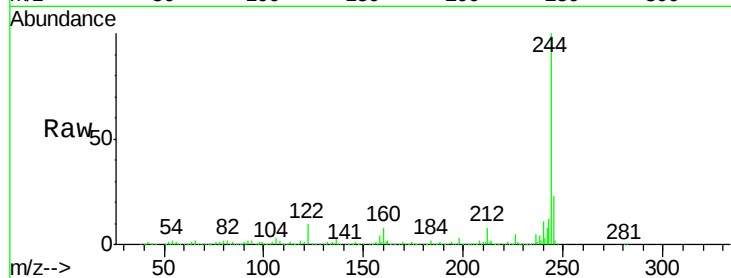
Tot Ion:244 Resp: 2317269

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

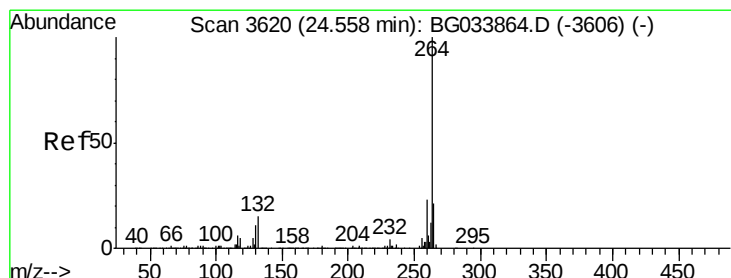
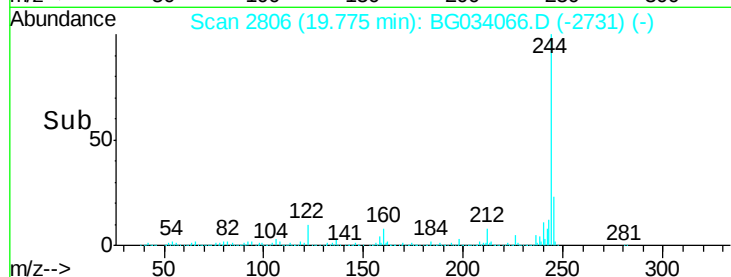
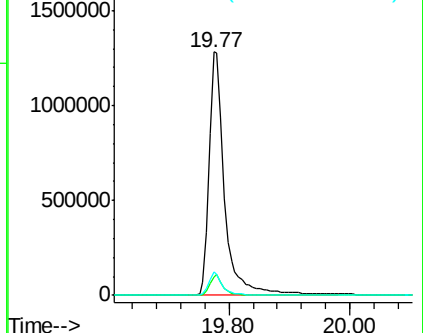
122 9.6 7.0 10.4



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: 20.00 ng

RT: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034066.D

Acq: 28 Apr 2018 9:35

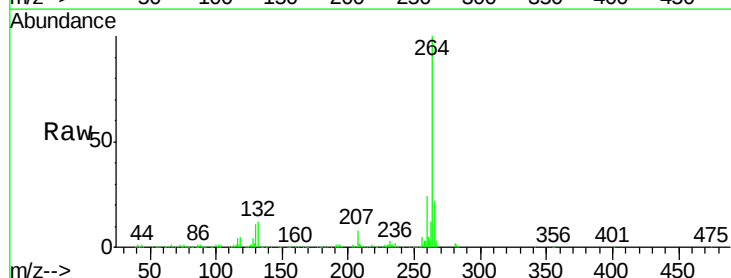
Tgt Ion:264 Resp: 515570

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.7 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

