

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036139.D
 Acq On : 6 Aug 2018 22:42
 Operator : JU/SJ
 Sample : J4316-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T40-CLAY-1

Quant Time: Aug 07 01:02:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

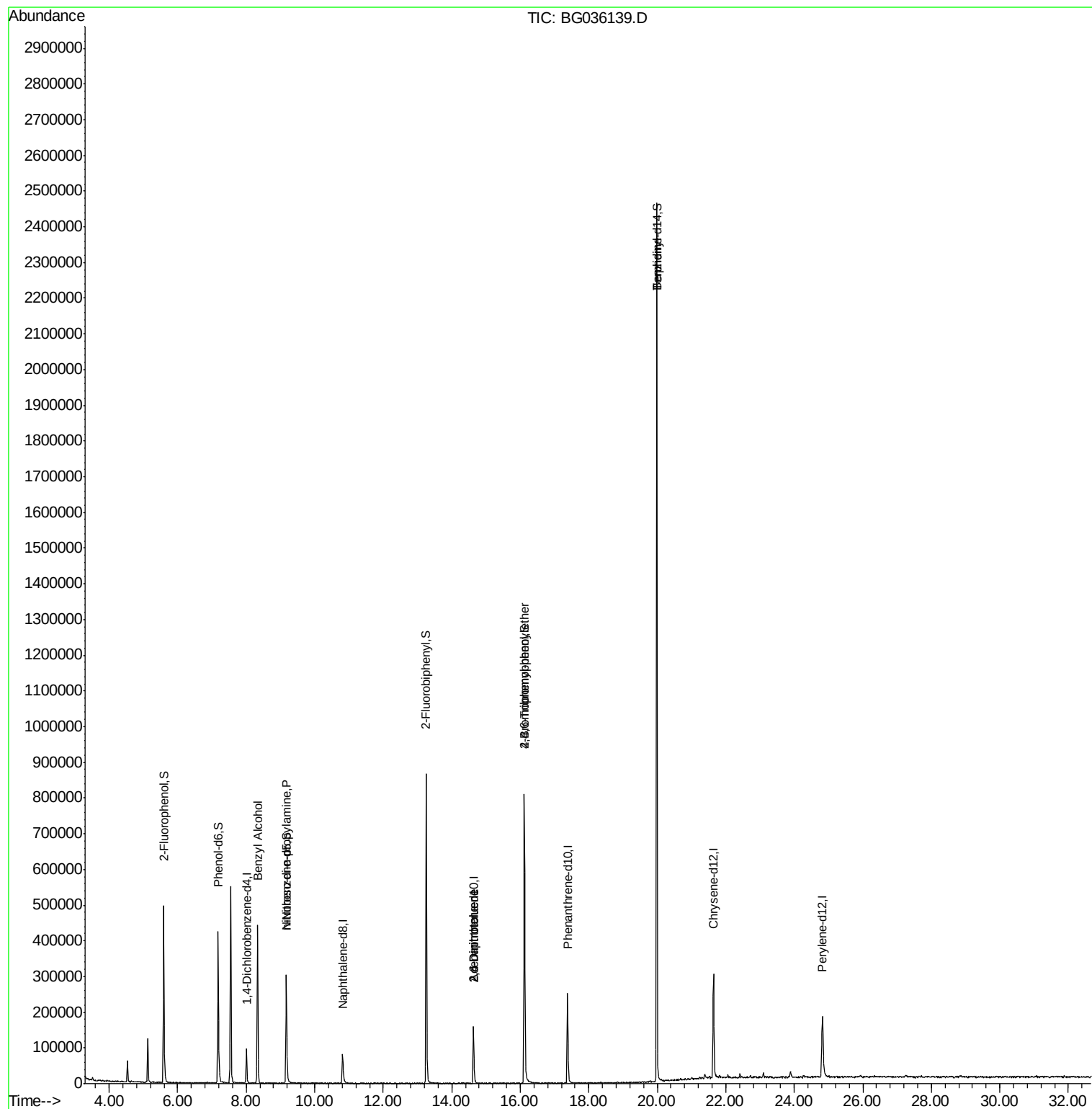
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27250	20.00	ng	-0.02
21) Naphthalene-d8	10.82	136	93250	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	63608	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	201206	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	221152	20.00	ng	-0.02
86) Perylene-d12	24.83	264	201291	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	219904	133.98	ng	-0.01
7) Phenol-d6	7.18	99	278345	113.66	ng	-0.02
23) Nitrobenzene-d5	9.17	82	232280	104.06	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	175214	208.99	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	515734	108.63	ng	-0.02
78) Terphenyl-d14	19.99	244	1209518	120.56	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.33	79	4484	2.016	ng	# 65
19) n-Nitroso-di-n-propylamine	9.17	70	30975	15.021	ng	# 61
50) 2,6-Dinitrotoluene	14.63	165	8705	7.670	ng	# 18
56) 2,4-Dinitrotoluene	14.63	165	8705	5.347	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	13898	5.954	ng	# 1
76) Benzidine	19.99	184	20252	3.483	ng	# 94

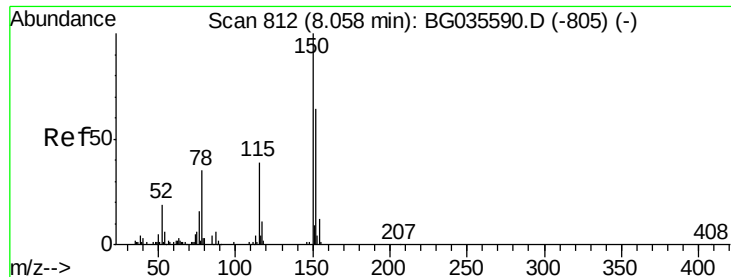
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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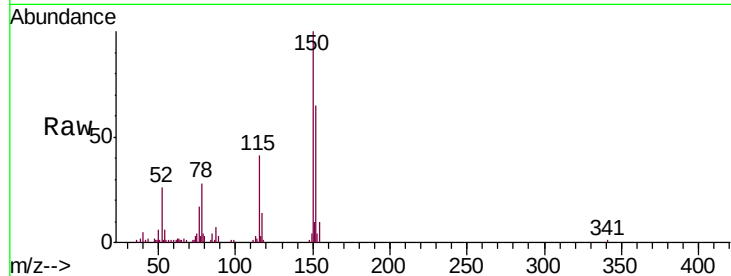


#1

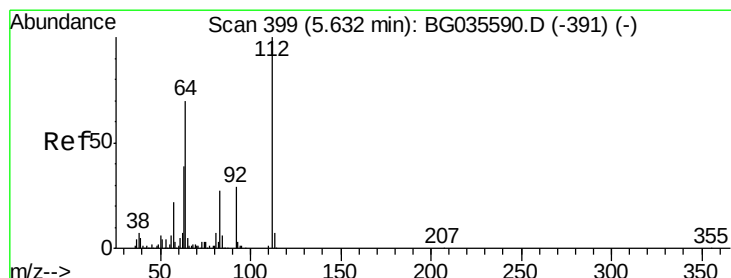
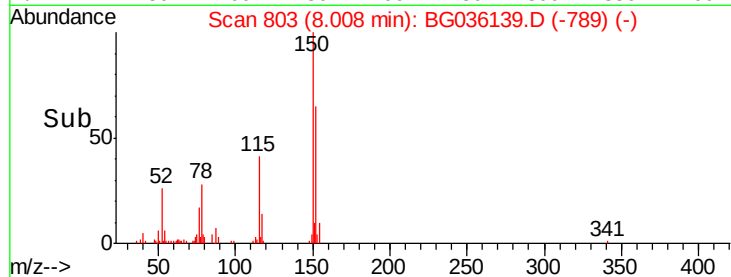
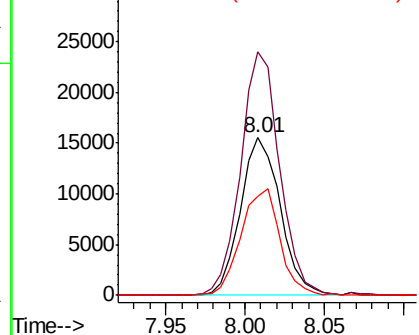
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036139.D
Acq: 6 Aug 2018 22:42

Instrument :
BNA_G
ClientSampleId :
T40-CLAY-1

Tgt Ion:152 Resp: 27250
Ion Ratio Lower Upper
152 100
150 154.7 126.6 189.8
115 63.1 53.0 79.4



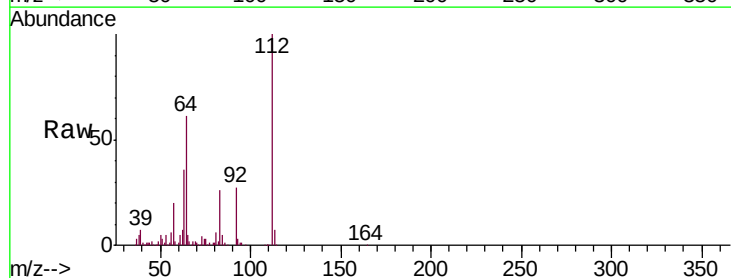
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



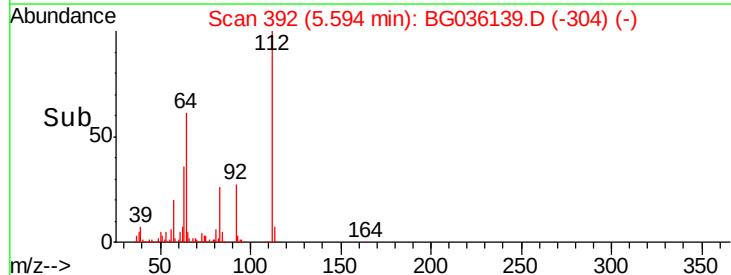
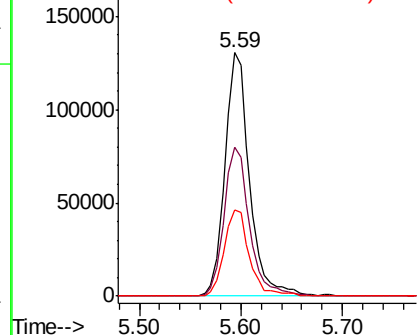
#5

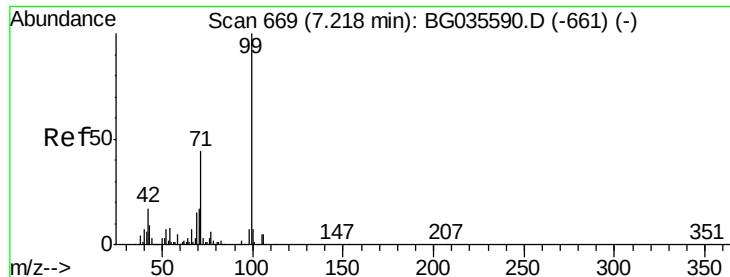
2-Fluorophenol
Concen: 133.979 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036139.D
Acq: 6 Aug 2018 22:42

Tgt Ion:112 Resp: 219904
Ion Ratio Lower Upper
112 100
64 61.0 56.3 84.5
63 35.5 30.1 45.1



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





#7

Phenol-d6

Concen: 113.664 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

Instrument :

BNA_G

ClientSampleId :

T40-CLAY-1

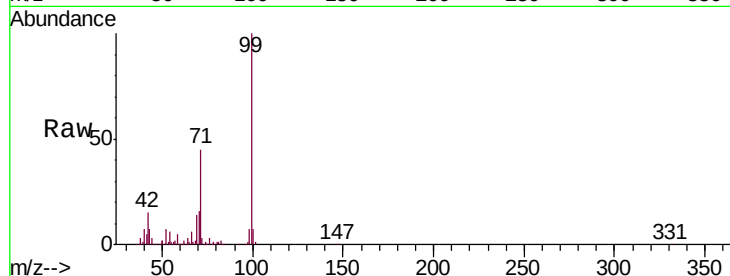
Tgt Ion: 99 Resp: 278345

Ion Ratio Lower Upper

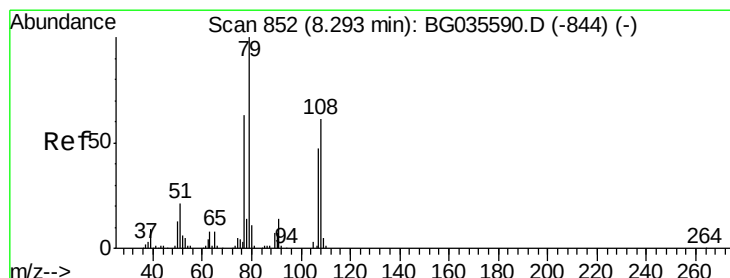
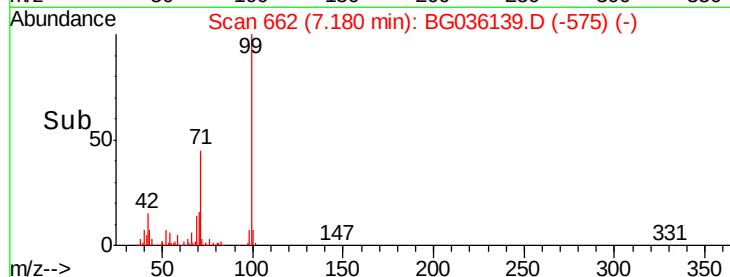
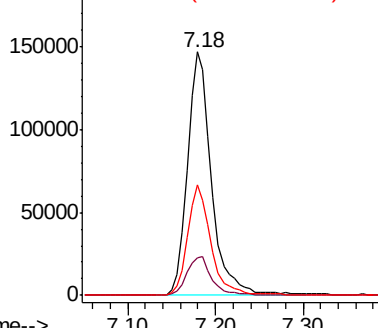
99 100

42 15.3 14.1 21.1

71 45.3 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
200000 Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.016 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.07 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

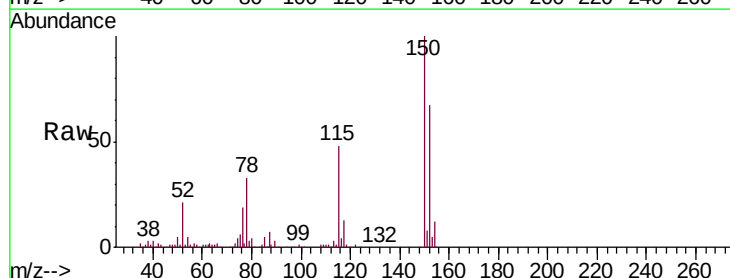
Tgt Ion: 79 Resp: 4484

Ion Ratio Lower Upper

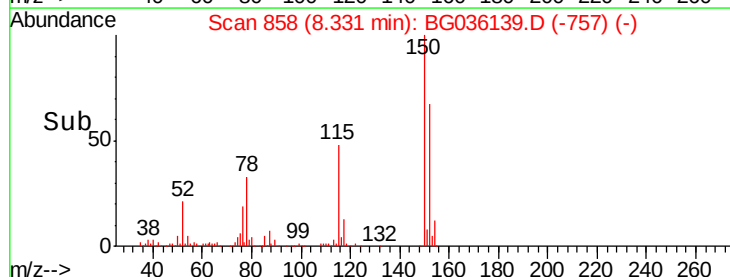
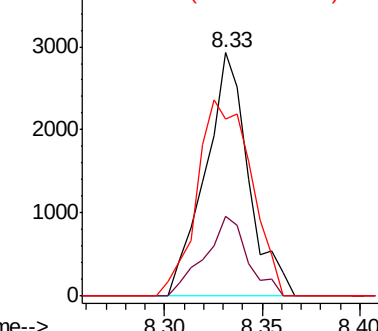
79 100

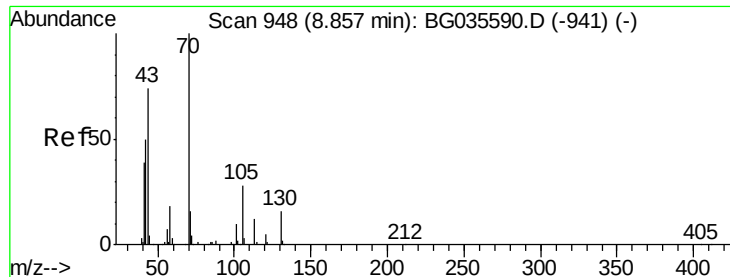
108 33.0 57.2 85.8#

77 72.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
4000 Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

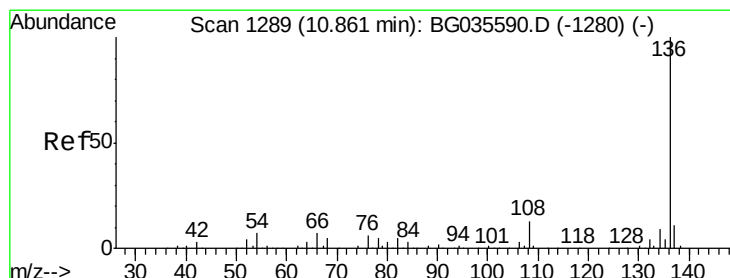
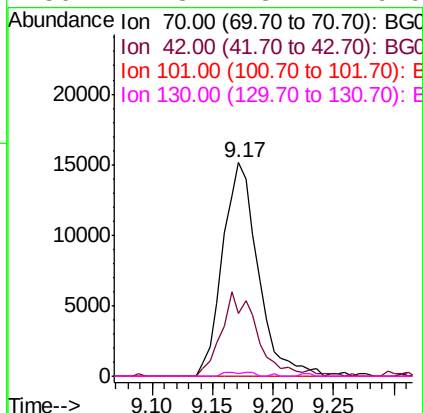
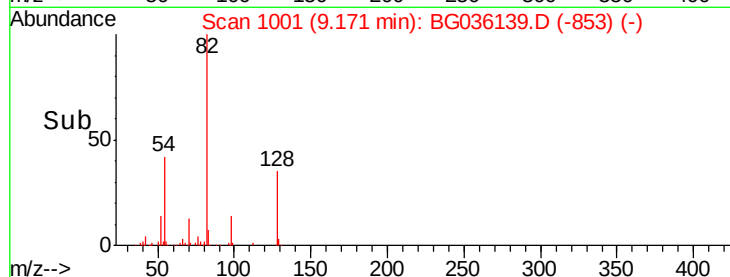
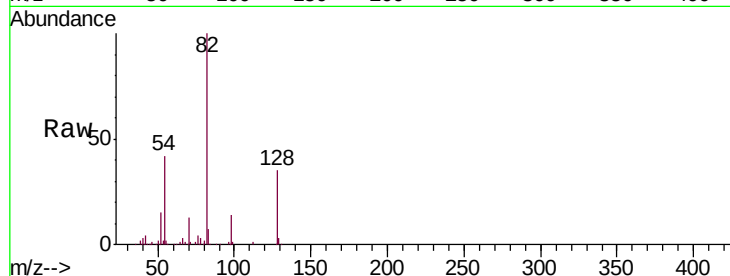




#19
n-Nitroso-di-n-propylamine
Concen: 15.021 ng
RT: 9.17 min Scan# 1001
Delta R.T. 0.34 min
Lab File: BG036139.D
Acq: 6 Aug 2018 22:42

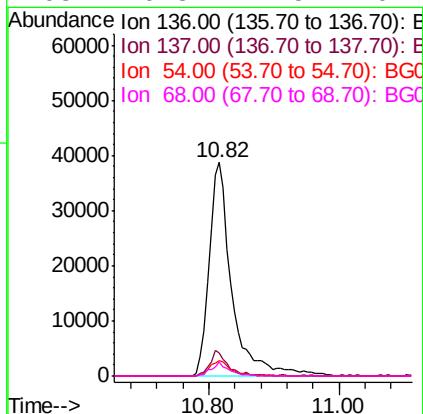
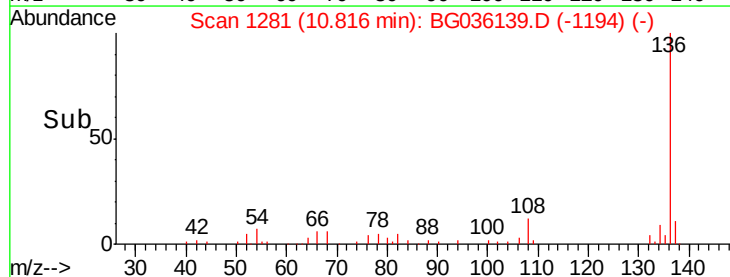
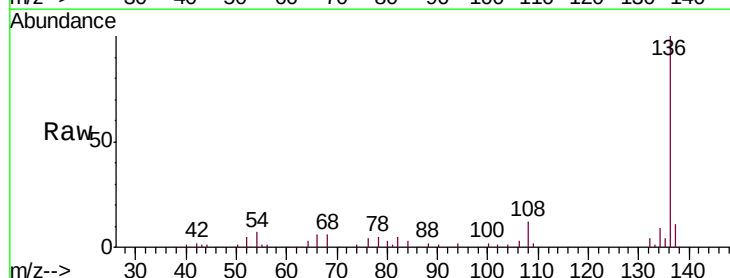
Instrument :
BNA_G
ClientSampleId :
T40-CLAY-1

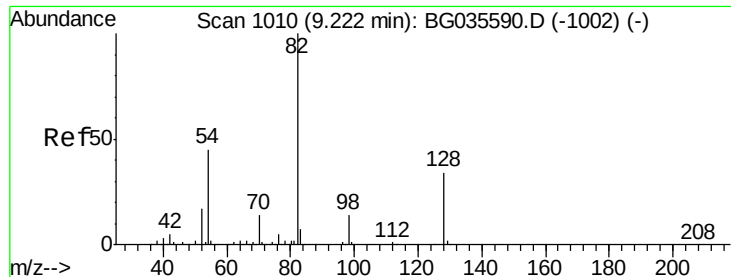
Tgt Ion: 70 Resp: 30975
Ion Ratio Lower Upper
70 100
42 29.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036139.D
Acq: 6 Aug 2018 22:42

Tgt Ion: 136 Resp: 93250
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 6.9 10.3 15.5#
68 6.3 4.5 6.7

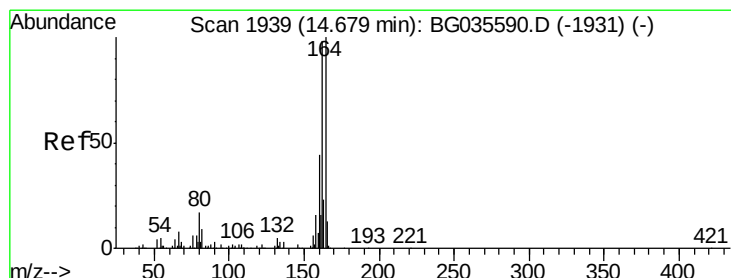
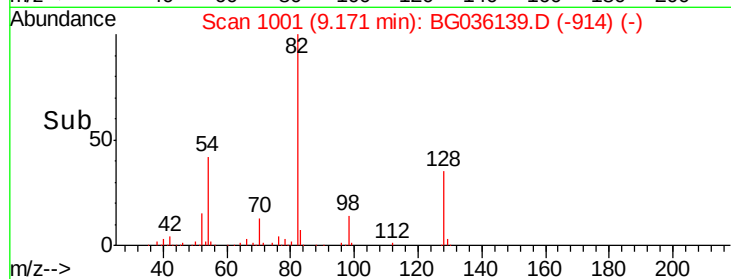
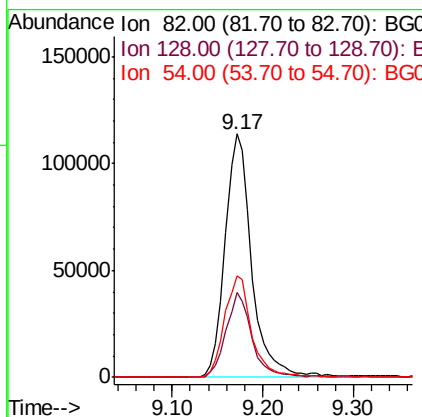
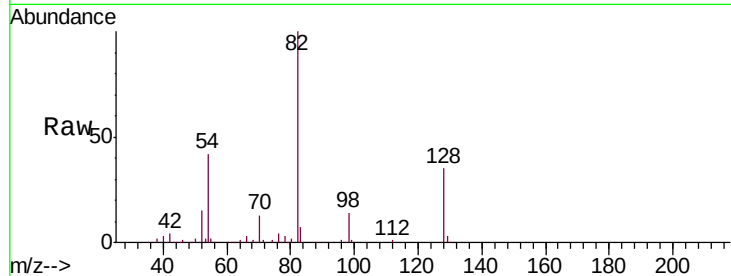




#23
 Nitrobenzene-d5
 Concen: 104.058 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

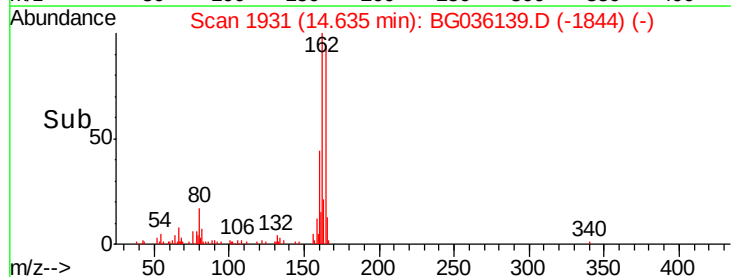
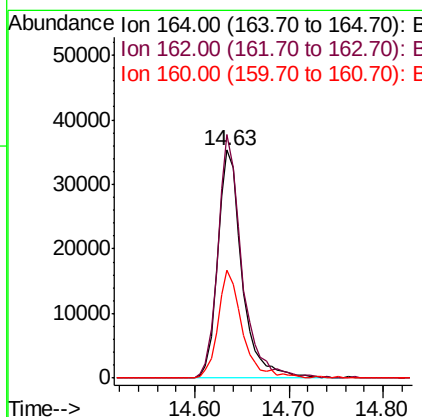
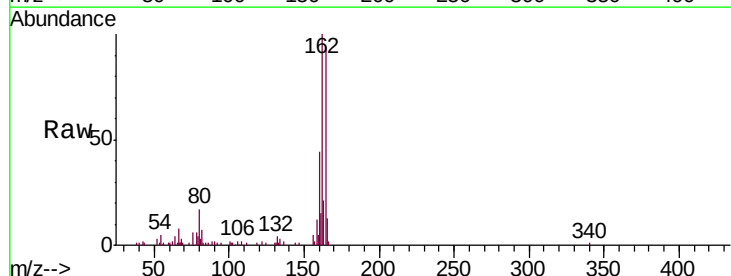
Instrument :
 BNA_G
 ClientSampleId :
 T40-CLAY-1

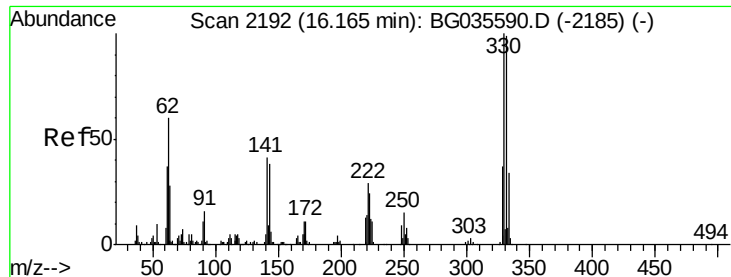
Tgt Ion: 82 Resp: 232280
 Ion Ratio Lower Upper
 82 100
 128 35.0 29.7 44.5
 54 41.6 43.1 64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

Tgt Ion: 164 Resp: 63608
 Ion Ratio Lower Upper
 164 100
 162 106.8 78.8 118.2
 160 47.3 35.4 53.0

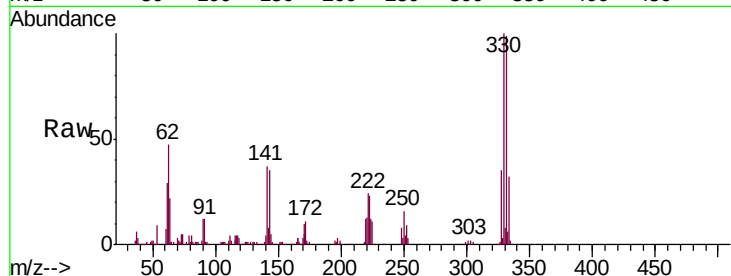




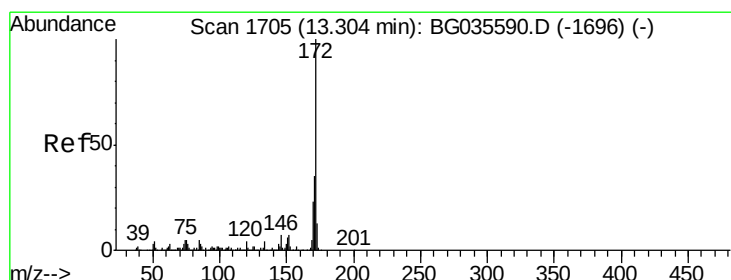
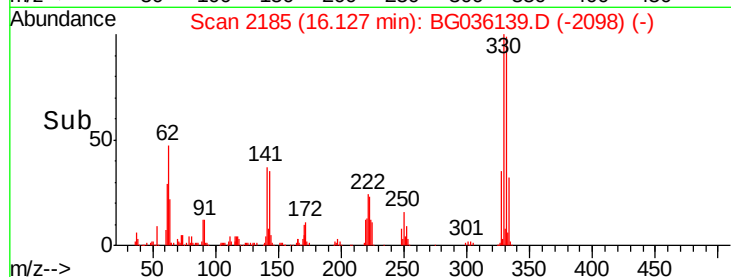
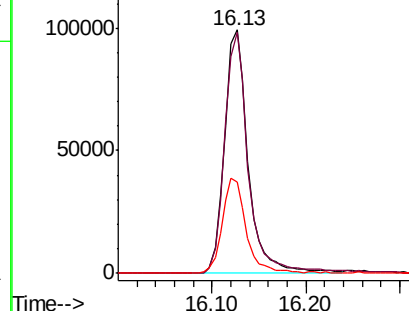
#41
 2,4,6-Tribromophenol
 Concen: 208.988 ng
 RT: 16.13 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

Instrument :
 BNA_G
 ClientSampleId :
 T40-CLAY-1

Tgt Ion:330 Resp: 175214
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 39.0 25.2 37.8#

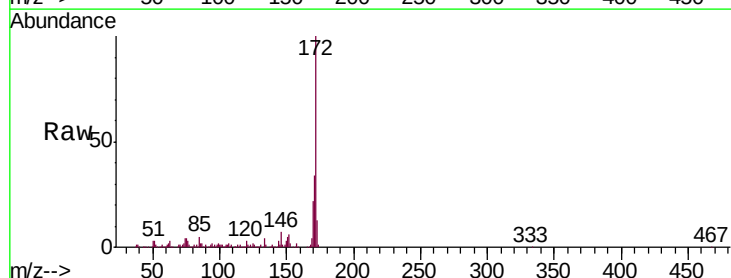


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

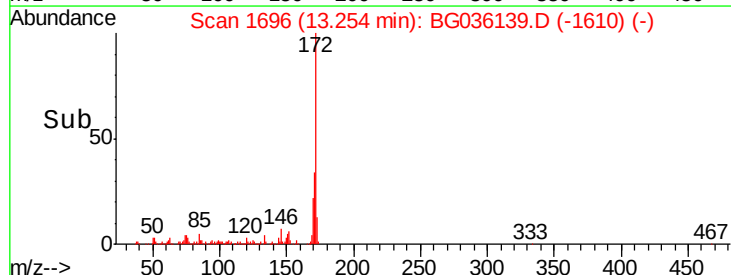
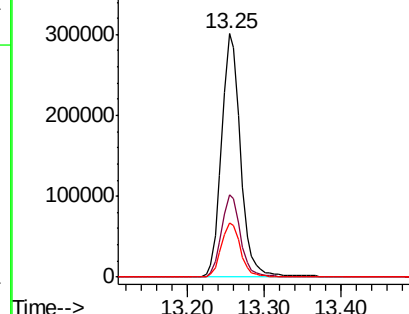


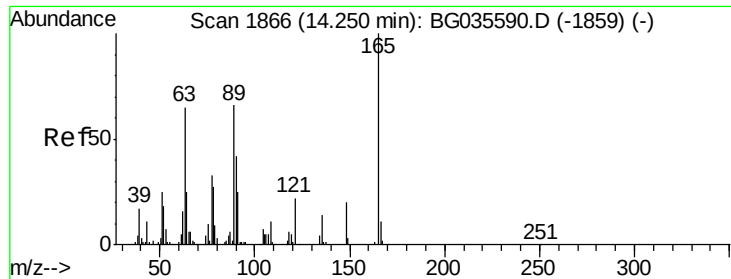
#44
 2-Fluorobiphenyl
 Concen: 108.626 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

Tgt Ion:172 Resp: 515734
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.0 45.0
 170 22.2 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

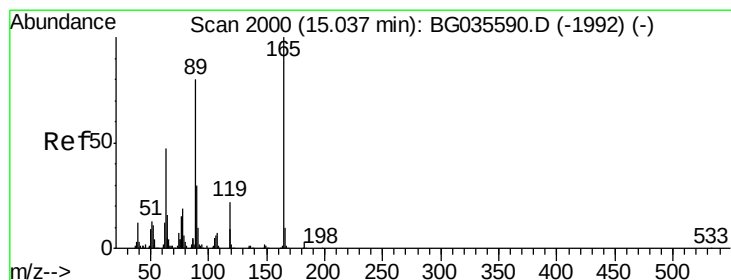
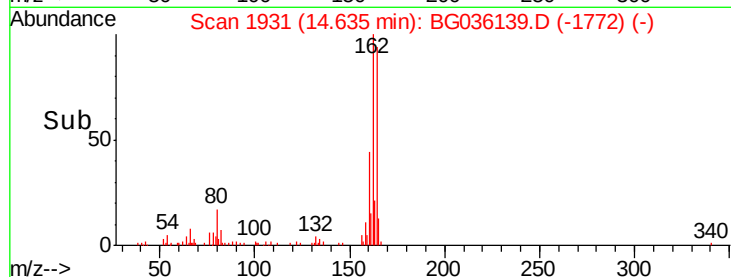
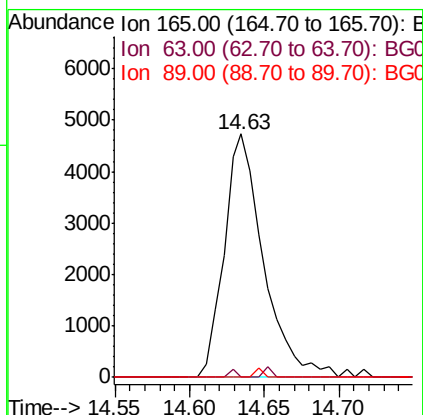
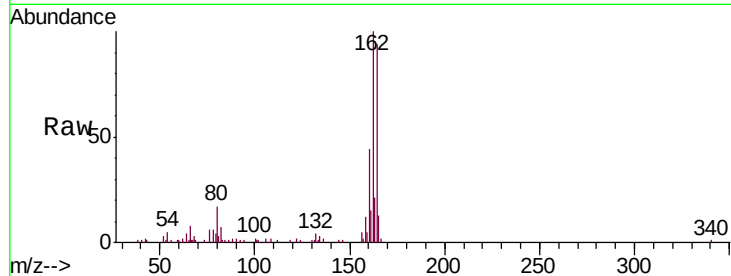




#50
 2,6-Dinitrotoluene
 Concen: 7.670 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.41 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

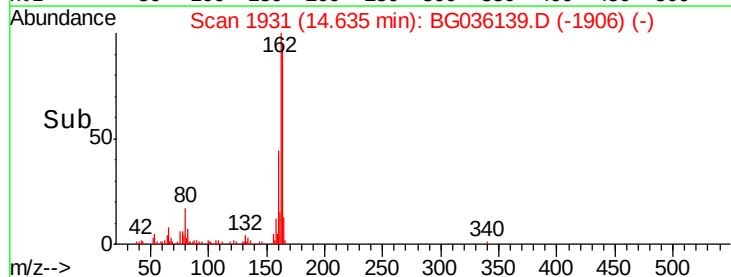
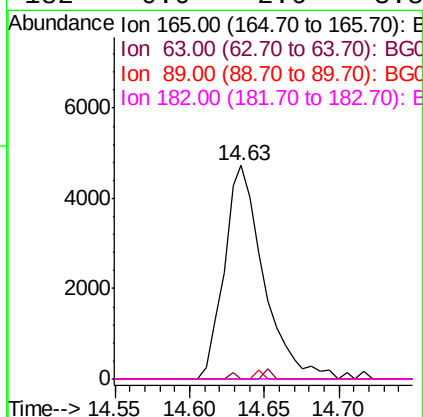
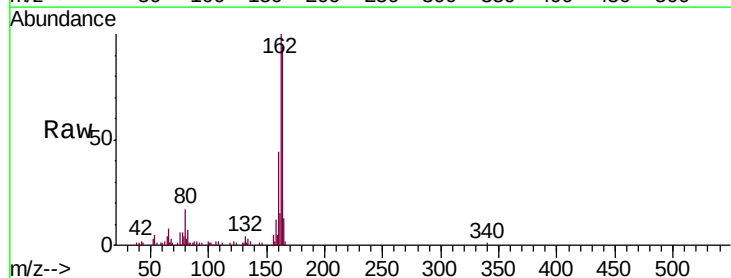
Instrument :
 BNA_G
 ClientSampleId :
 T40-CLAY-1

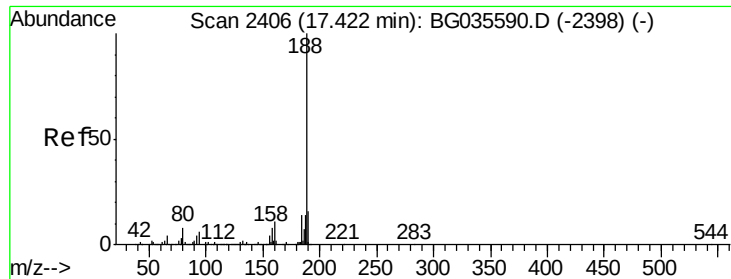
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.347 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036139.D
 Acq: 6 Aug 2018 22:42

Tgt 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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

Instrument :

BNA_G

ClientSampleId :

T40-CLAY-1

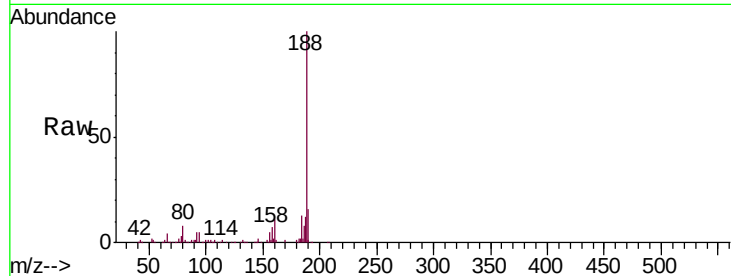
Tgt Ion:188 Resp: 201206

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

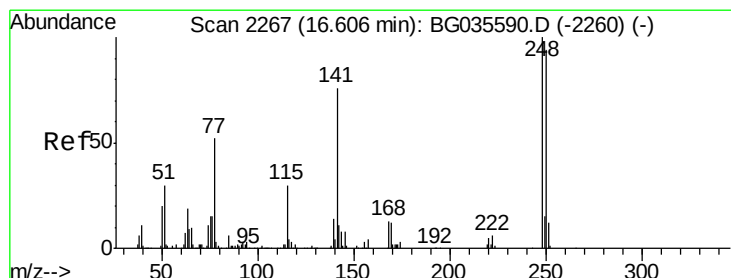
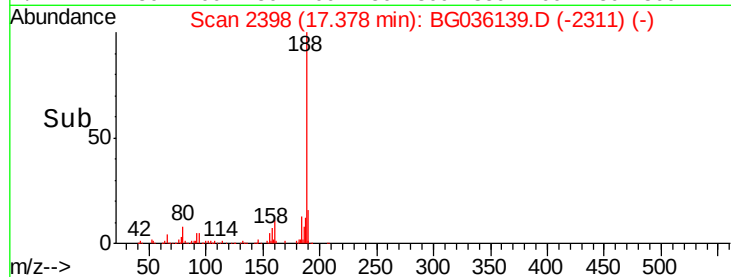
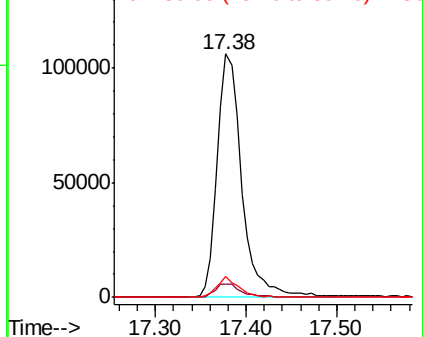
80 8.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#66

4-Bromophenyl-phenylether

Concen: 5.954 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

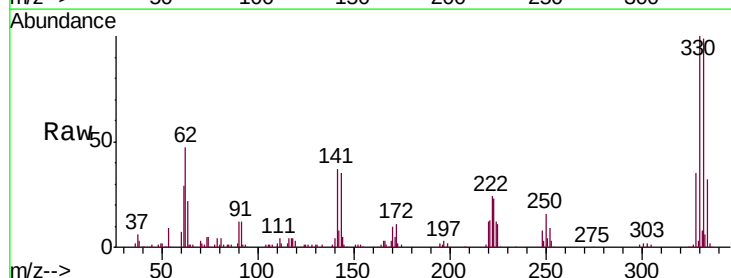
Tgt Ion:248 Resp: 13898

Ion Ratio Lower Upper

248 100

250 199.6 77.1 115.7#

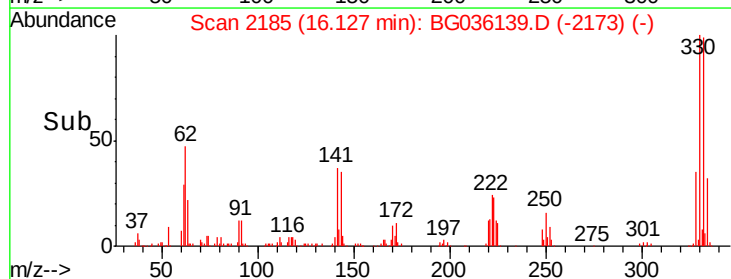
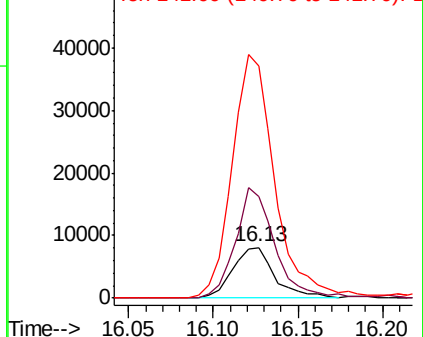
141 457.8 50.8 76.2#

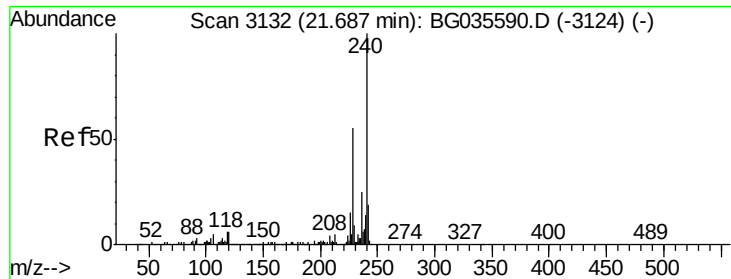


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

Instrument :

BNA_G

ClientSampleId :

T40-CLAY-1

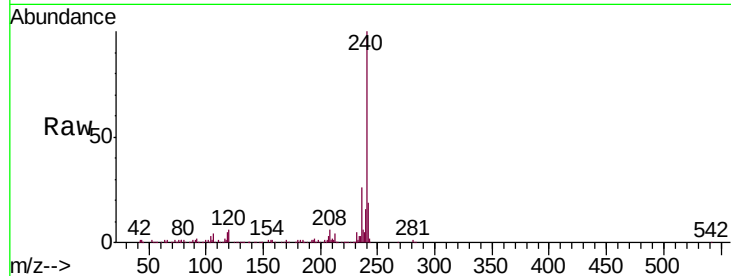
Tgt Ion:240 Resp: 221152

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

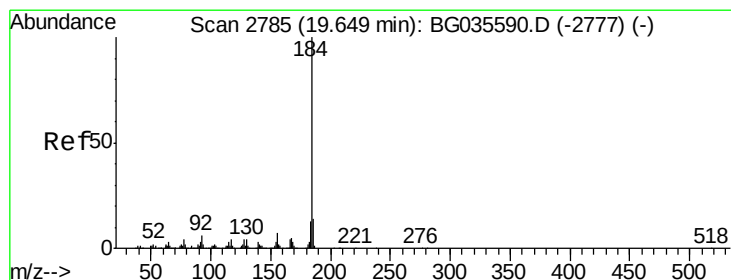
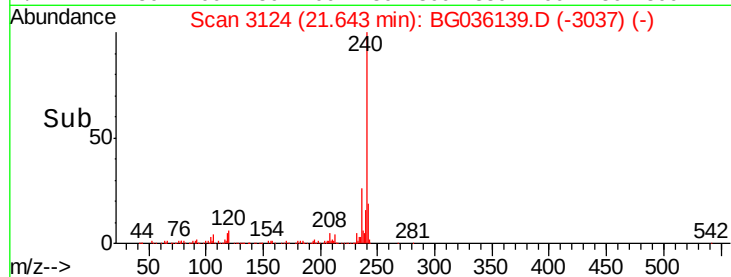
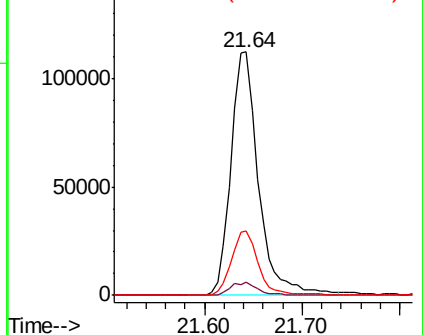
236 26.4 20.9 31.3



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: 3.483 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

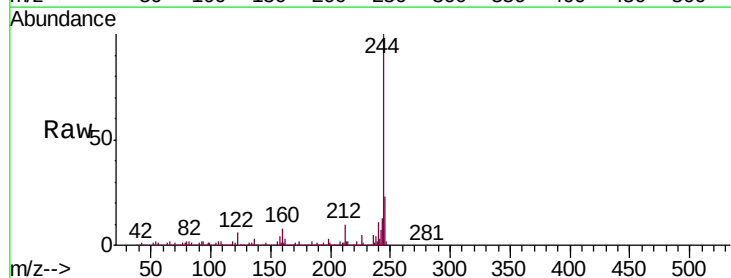
Tgt Ion:184 Resp: 20252

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

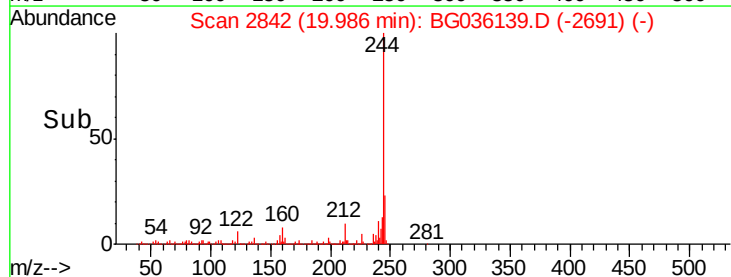
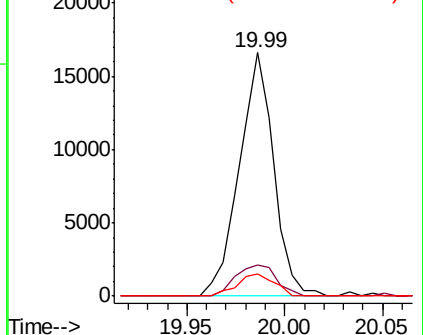
183 9.3 10.6 16.0#

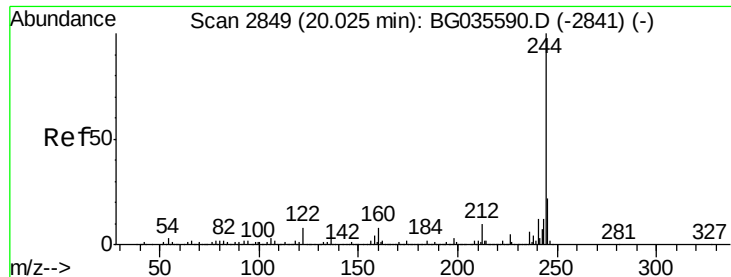


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 120.557 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

Instrument :

BNA_G

ClientSampleId :

T40-CLAY-1

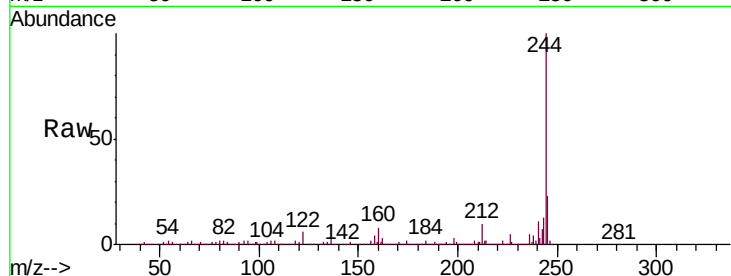
Tgt Ion:244 Resp: 1209518

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

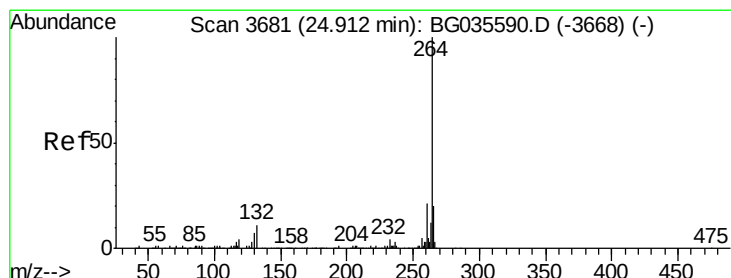
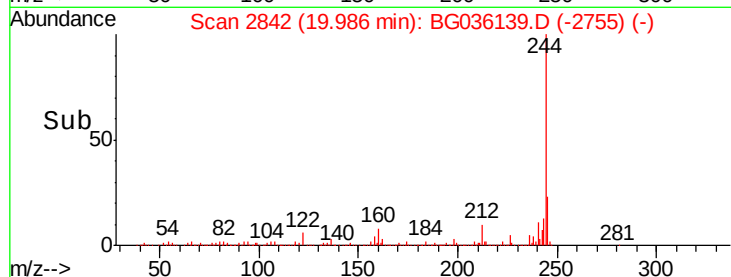
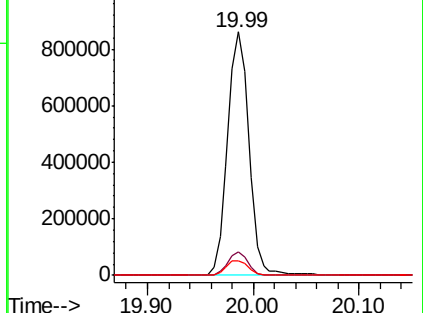
122 6.0 7.0 10.4#



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: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036139.D

Acq: 6 Aug 2018 22:42

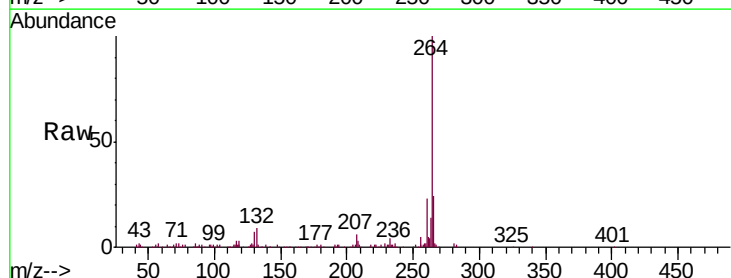
Tgt Ion:264 Resp: 201291

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 23.8 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

