

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121018\
 Data File : BG038445.D
 Acq On : 10 Dec 2018 18:59
 Operator : JU/SJ
 Sample : J6302-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 K-120718-RO

Quant Time: Dec 11 03:51:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

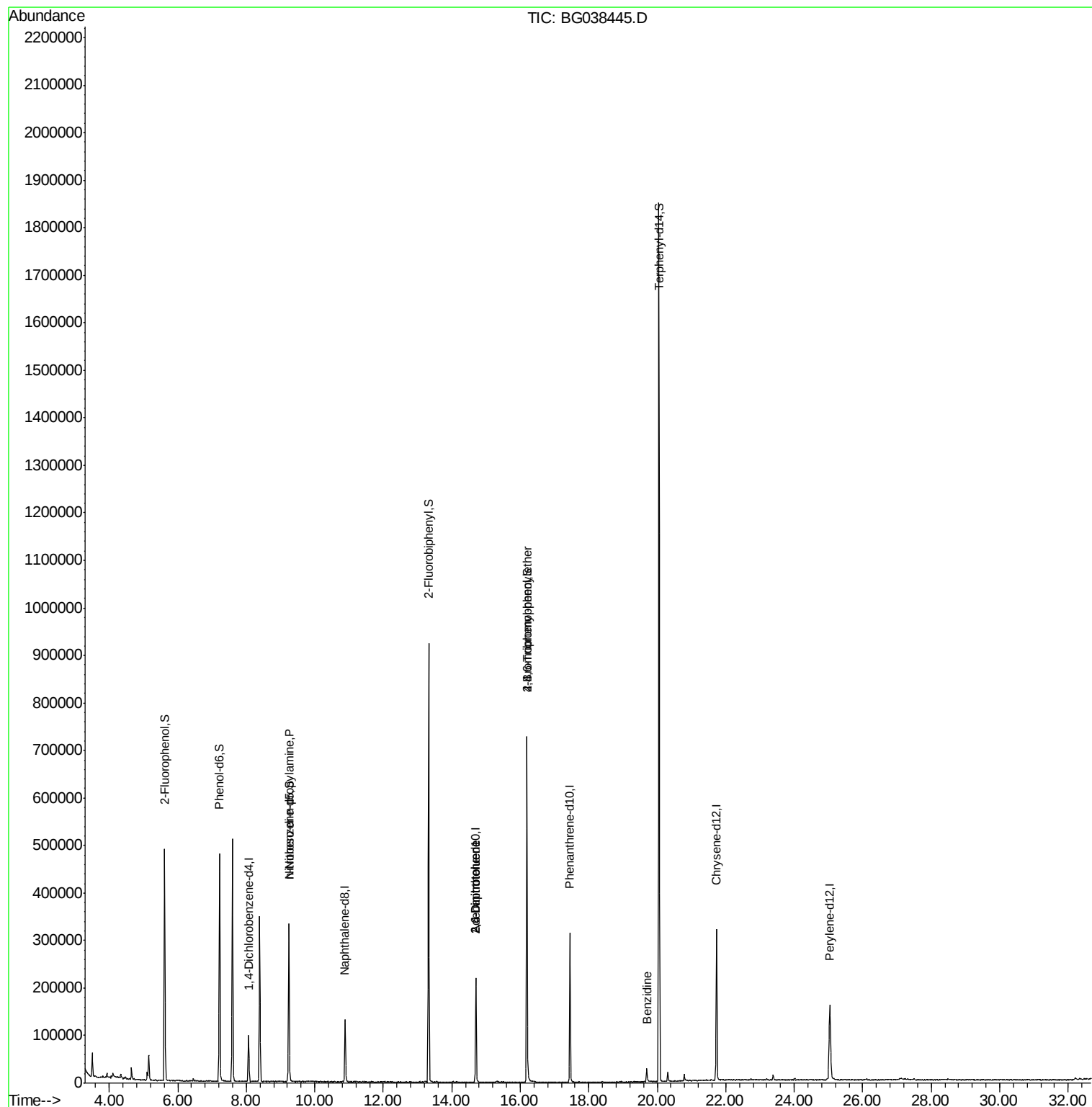
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	29367	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	119894	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	80401	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	208437	20.00	ng	0.00
76) Chrysene-d12	21.73	240	203581	20.00	ng	-0.01
87) Perylene-d12	25.04	264	205907	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	210488	126.84	ng	0.00
7) Phenol-d6	7.22	99	271677	113.27	ng	0.00
23) Nitrobenzene-d5	9.25	82	201653	83.50	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	149647	151.61	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	494113	87.57	ng	0.00
79) Terphenyl-d14	20.06	244	937172	98.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	27178	14.142	ng	# 76
51) 2,6-Dinitrotoluene	14.70	165	10828	7.350	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	10828	5.329	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	9705	4.312	ng	# 1
77) Benzidine	19.69	184	27424	3.992	ng	97

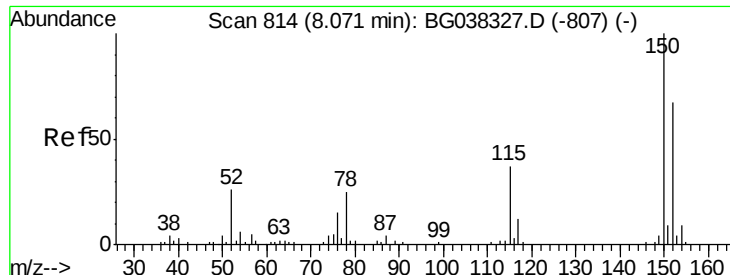
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121018\
Data File : BG038445.D
Acq On : 10 Dec 2018 18:59
Operator : JU/SJ
Sample : J6302-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
K-120718-RO

Quant Time: Dec 11 03:51:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 2018
Response via : Initial Calibration



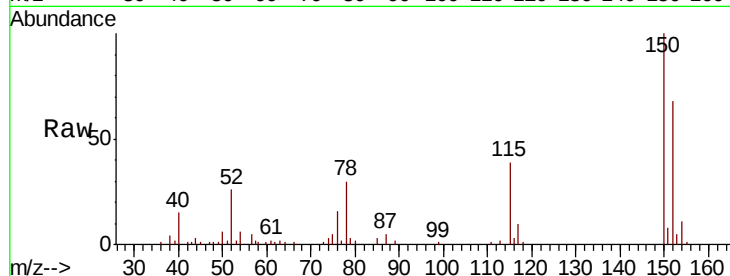


#1

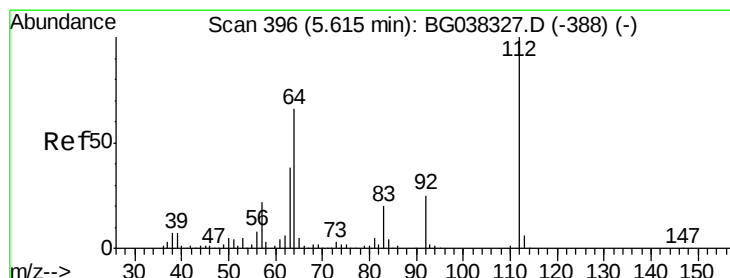
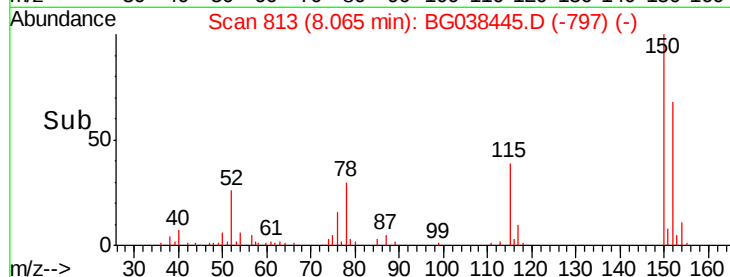
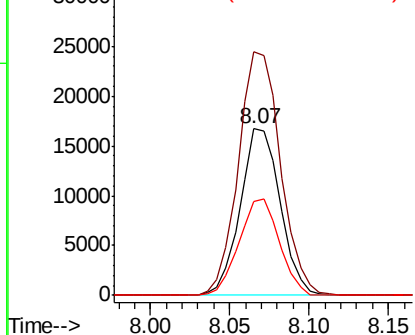
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Instrument :
 BNA_G
 ClientSampleId :
 K-120718-RO

Tgt Ion:152 Resp: 29367
 Ion Ratio Lower Upper
 152 100
 150 146.1 126.0 189.0
 115 56.5 45.5 68.3



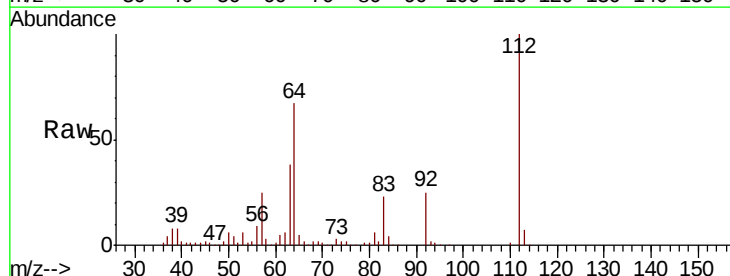
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



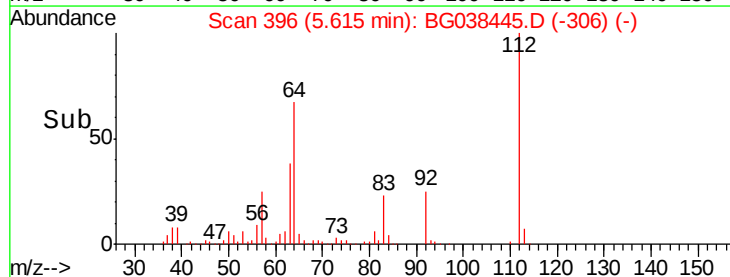
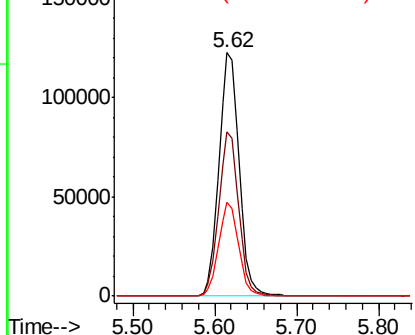
#5

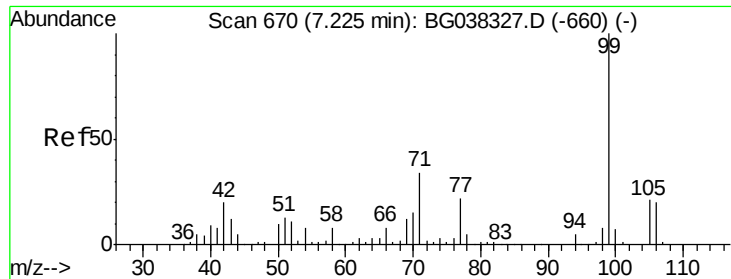
2-Fluorophenol
 Concen: 126.839 ng
 RT: 5.62 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Tgt Ion:112 Resp: 210488
 Ion Ratio Lower Upper
 112 100
 64 67.5 53.1 79.7
 63 38.5 27.3 40.9



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: 113.269 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

Instrument :

BNA_G

ClientSampleId :

K-120718-RO

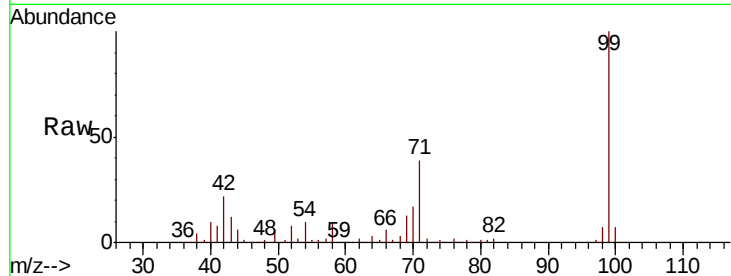
Tgt Ion: 99 Resp: 271677

Ion Ratio Lower Upper

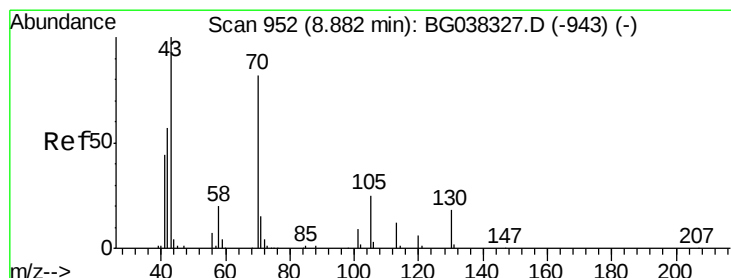
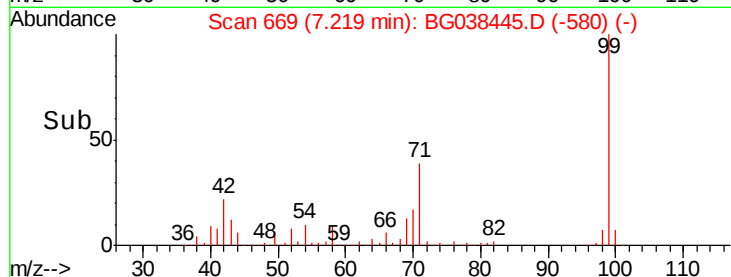
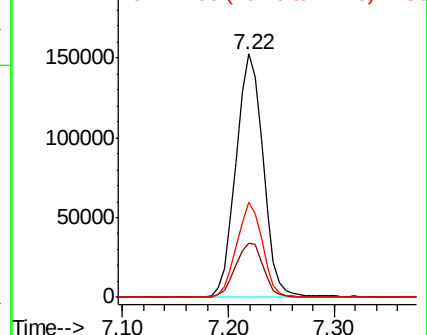
99 100

42 22.3 15.0 22.4

71 39.2 25.5 38.3#



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: 14.142 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

Tgt Ion: 70 Resp: 27178

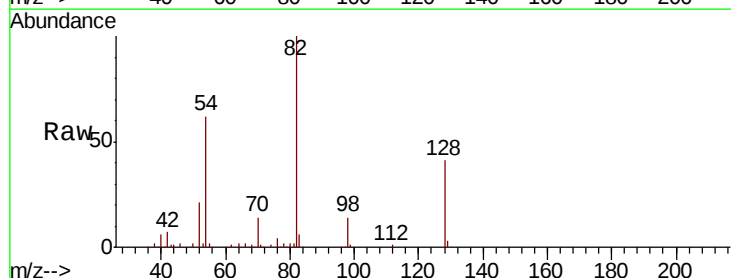
Ion Ratio Lower Upper

70 100

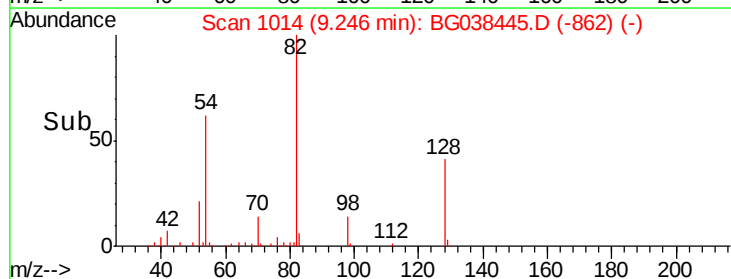
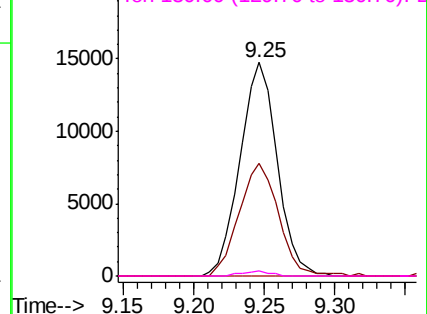
42 52.9 53.9 80.9#

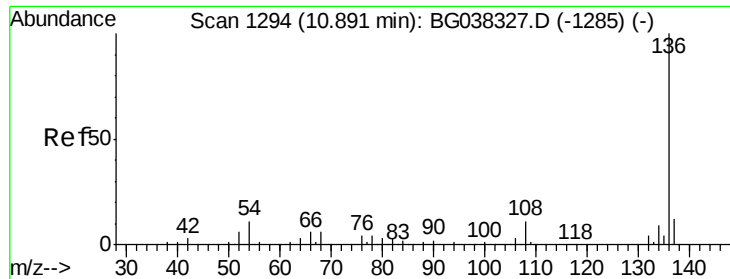
101 0.0 8.2 12.2#

130 2.6 18.2 27.4#



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

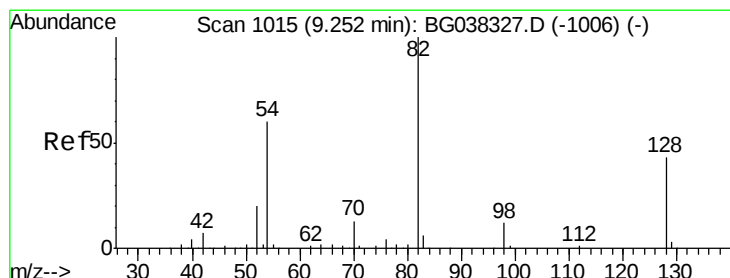
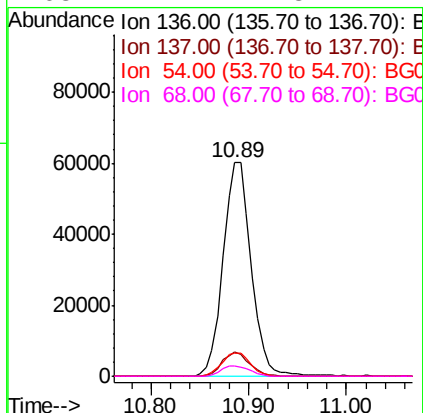
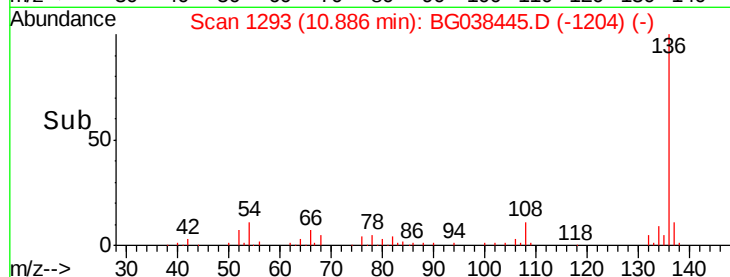
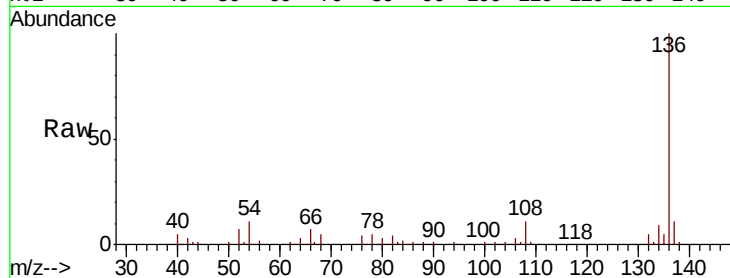




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038445.D
Acq: 10 Dec 2018 18:59

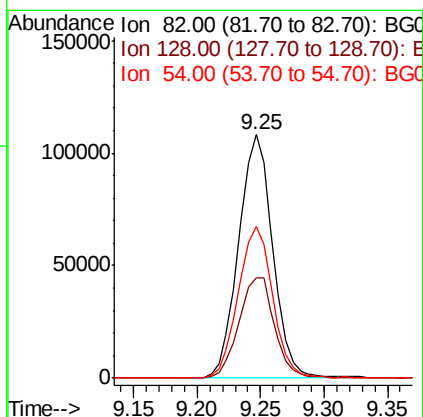
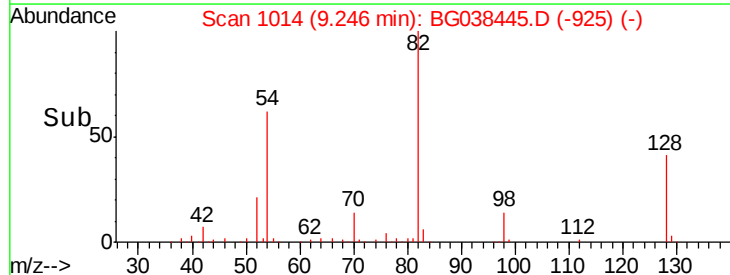
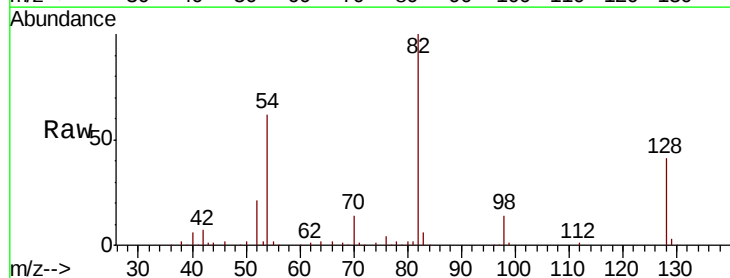
Instrument :
BNA_G
ClientSampleId :
K-120718-RO

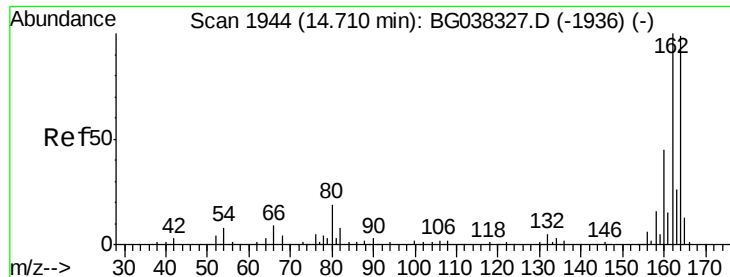
Tgt Ion:	136	Resp:	119894
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	11.1	7.9	11.9
68	4.7	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 83.504 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038445.D
Acq: 10 Dec 2018 18:59

Tgt Ion:	82	Resp:	201653
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	51.8
54	62.4	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

Instrument :

BNA_G

ClientSampleId :

K-120718-RO

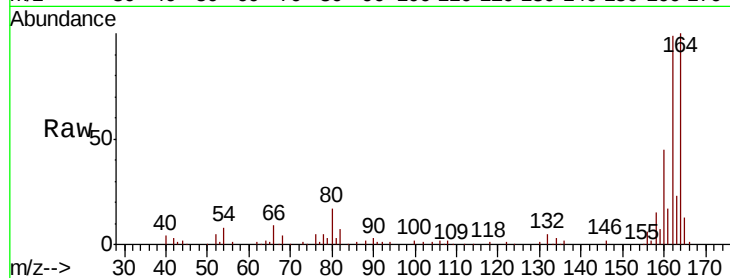
Tgt Ion:164 Resp: 80401

Ion Ratio Lower Upper

164 100

162 99.1 81.3 121.9

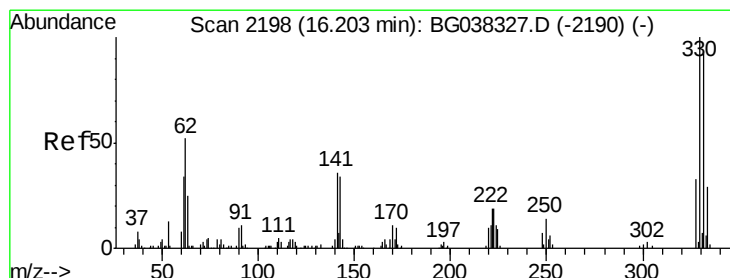
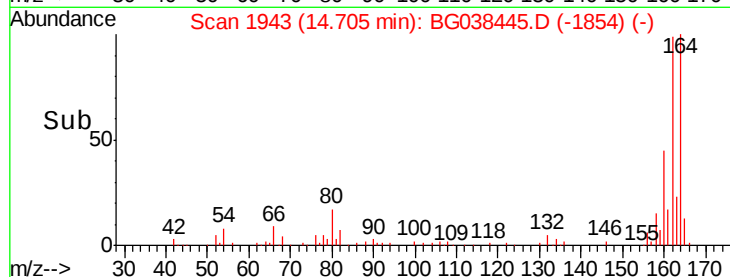
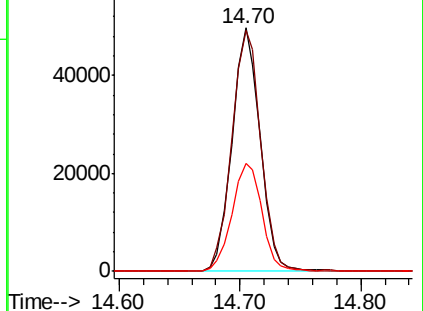
160 44.5 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 151.615 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

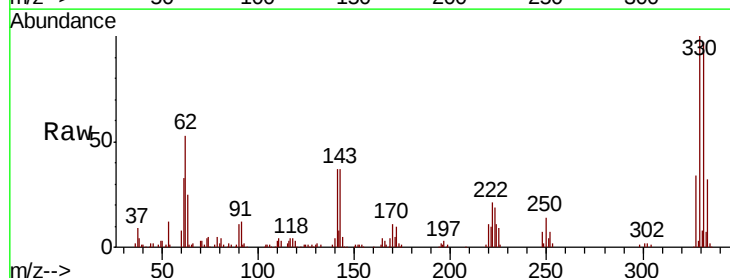
Tgt Ion:330 Resp: 149647

Ion Ratio Lower Upper

330 100

332 98.0 78.4 117.6

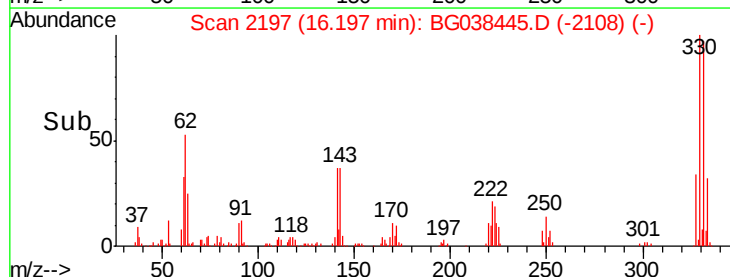
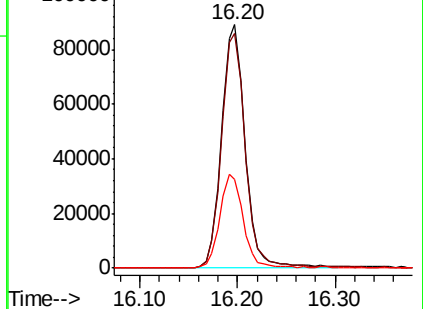
141 38.4 32.2 48.2

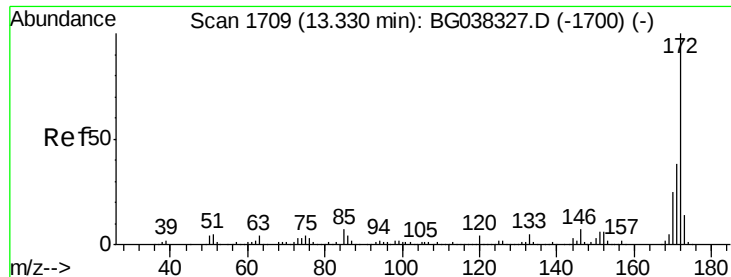


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

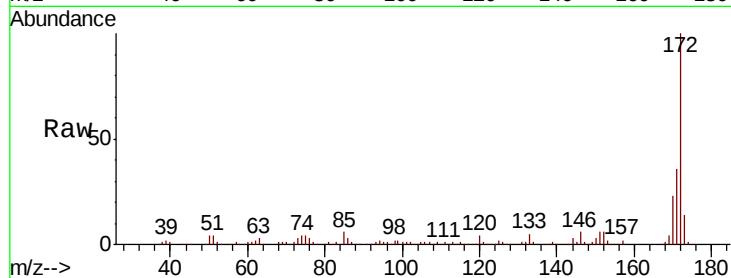




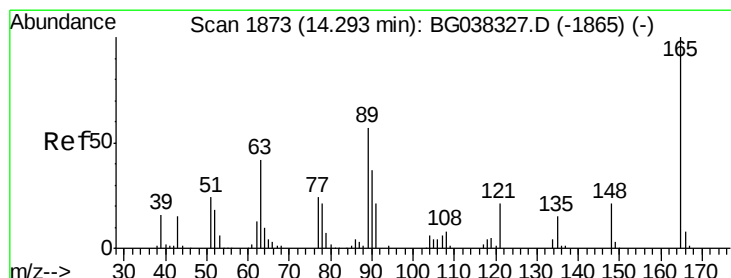
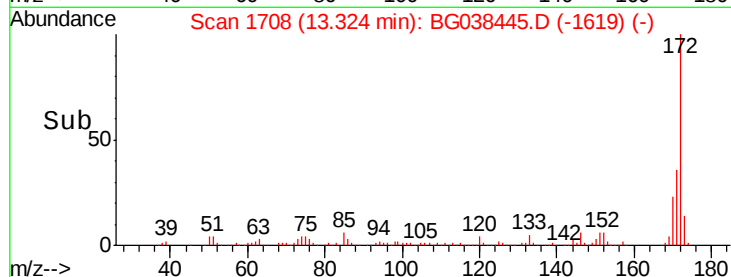
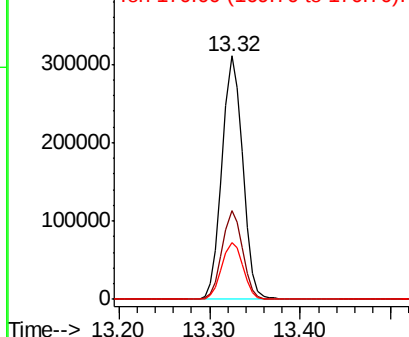
#45
 2-Fluorobiphenyl
 Concen: 87.570 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Instrument :
 BNA_G
 ClientSampleId :
 K-120718-RO

Tgt Ion:172 Resp: 494113
 Ion Ratio Lower Upper
 172 100
 171 36.5 31.0 46.4
 170 23.2 20.2 30.2

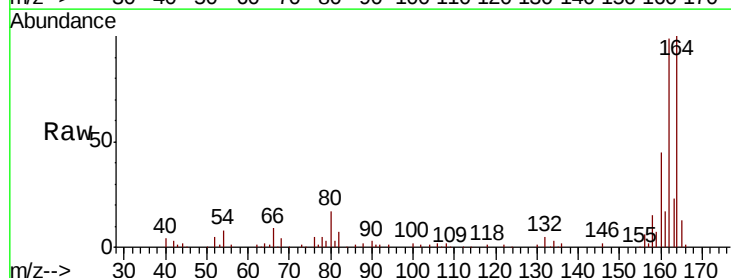


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

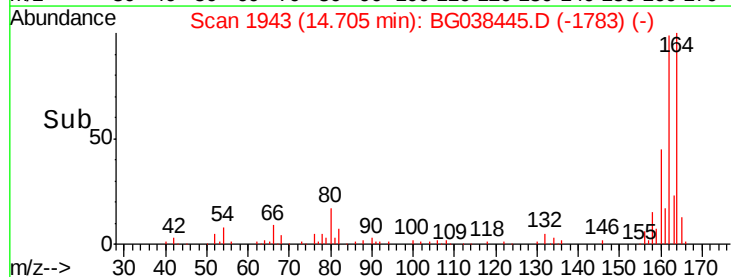
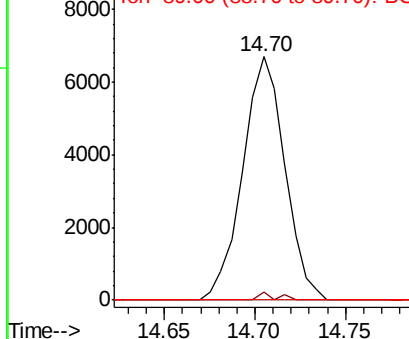


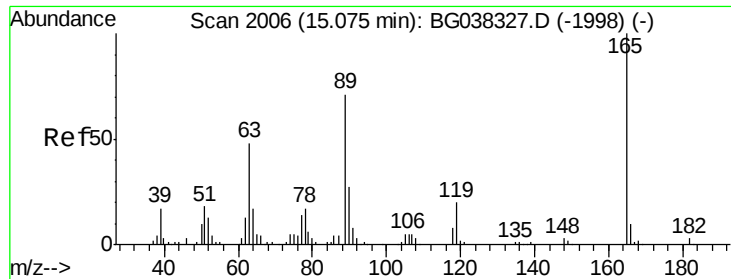
#51
 2,6-Dinitrotoluene
 Concen: 7.350 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Tgt Ion:165 Resp: 10828
 Ion Ratio Lower Upper
 165 100
 63 3.4 43.4 65.2#
 89 0.0 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

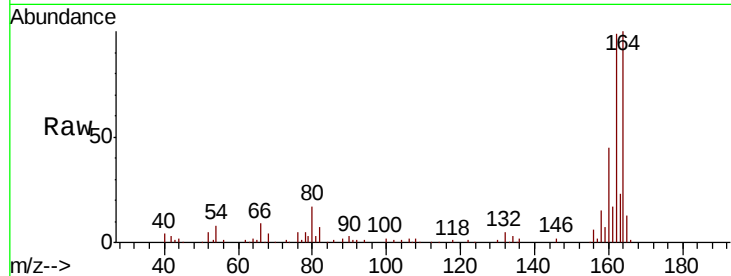




#57
 2,4-Dinitrotoluene
 Concen: 5.329 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Instrument :
 BNA_G
 ClientSampleId :
 K-120718-RO

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



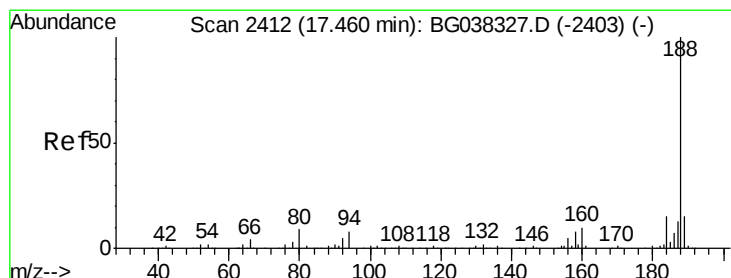
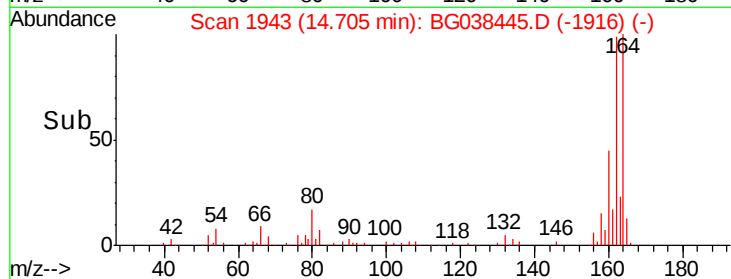
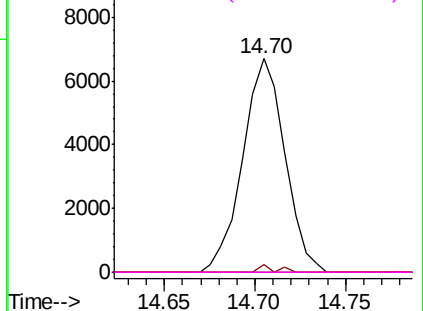
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

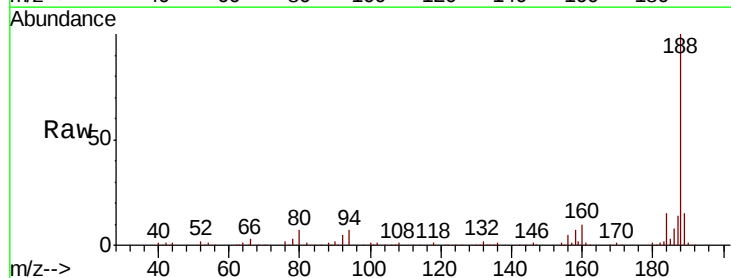
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.2	10.8
80	7.2	7.7	11.5#

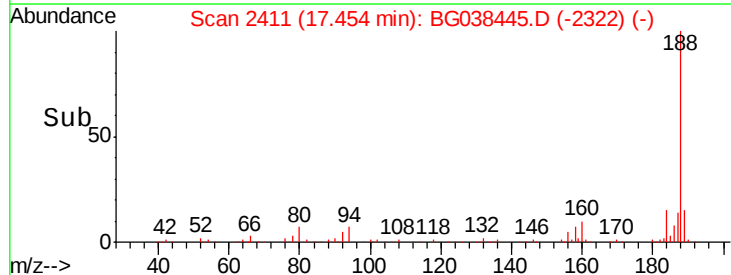
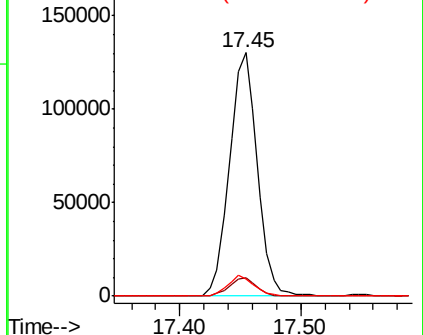


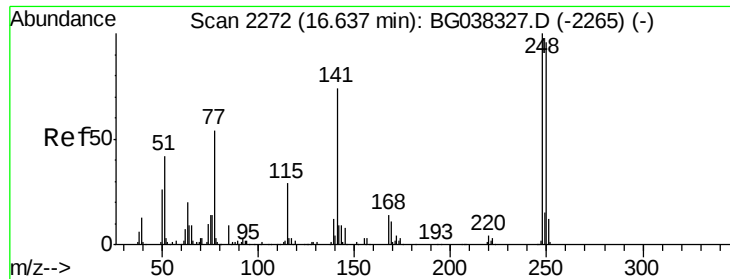
Abundance

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

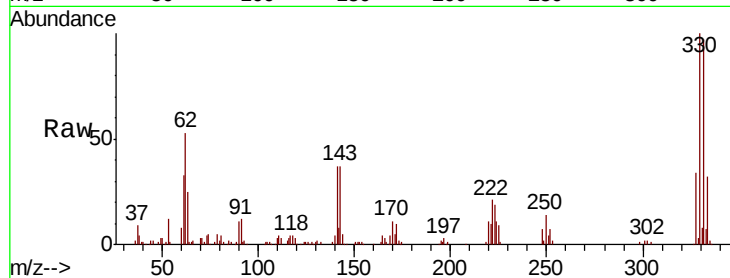




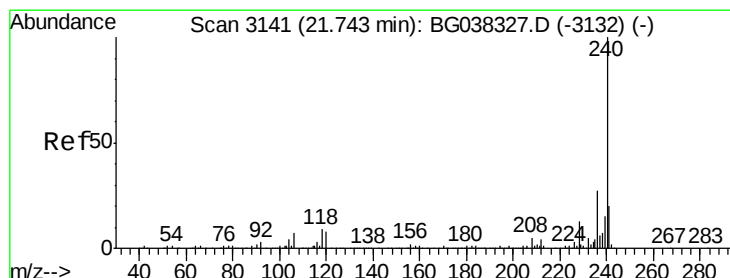
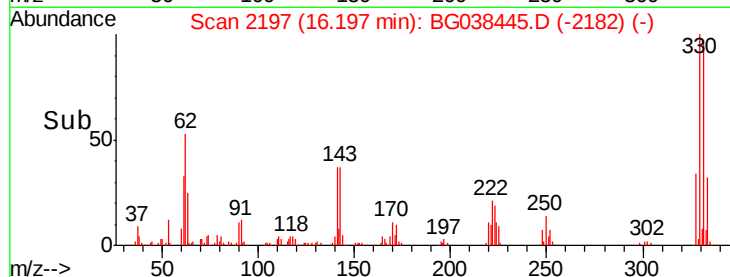
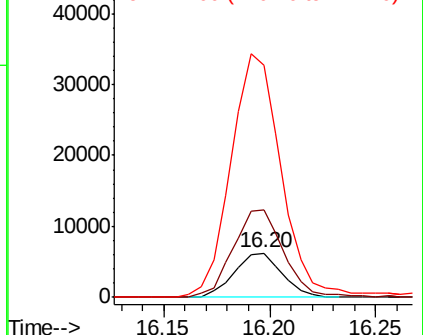
#67
 4-Bromophenyl-phenylether
 Concen: 4.312 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Instrument :
 BNA_G
 ClientSampleId :
 K-120718-RO

Tgt Ion:248 Resp: 9705
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.0 115.6#
 141 403.3 55.5 83.3#

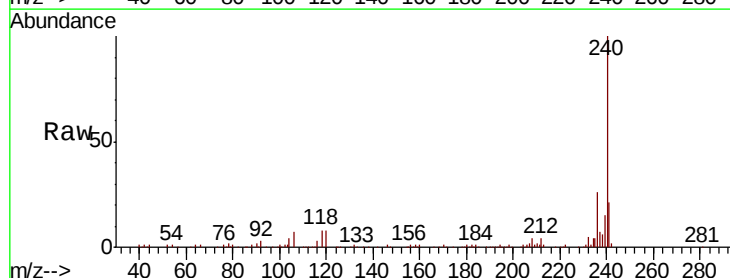


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

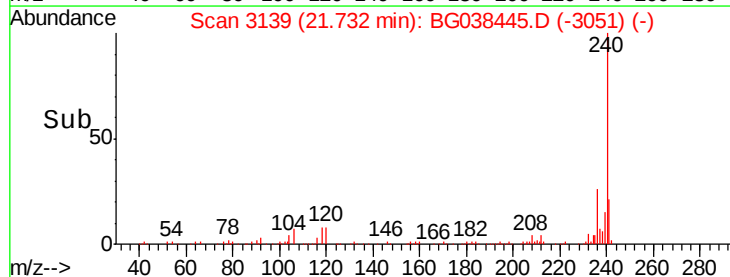
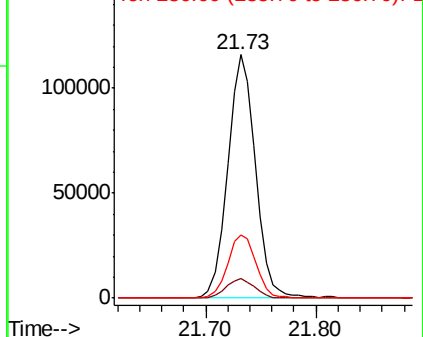


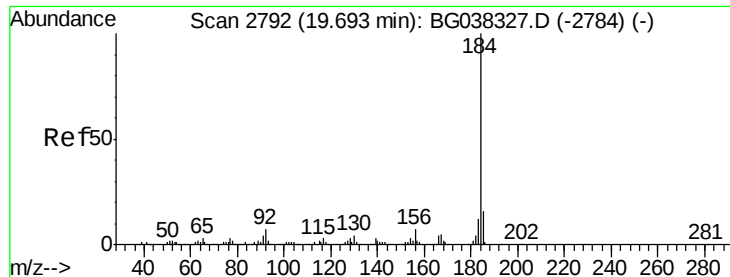
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038445.D
 Acq: 10 Dec 2018 18:59

Tgt Ion:240 Resp: 203581
 Ion Ratio Lower Upper
 240 100
 120 8.0 8.1 12.1#
 236 26.2 21.4 32.0



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





#77

Benzidine

Concen: 3.992 ng

RT: 19.69 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

Instrument :

BNA_G

ClientSampleId :

K-120718-RO

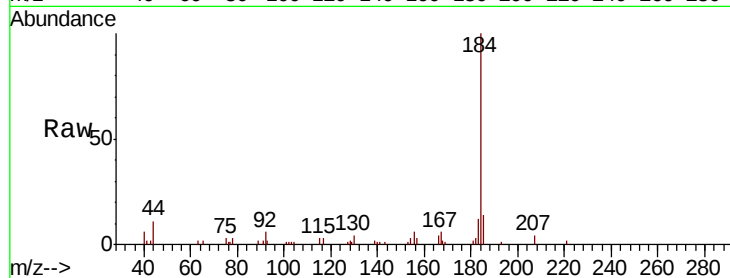
Tgt Ion:184 Resp: 27424

Ion Ratio Lower Upper

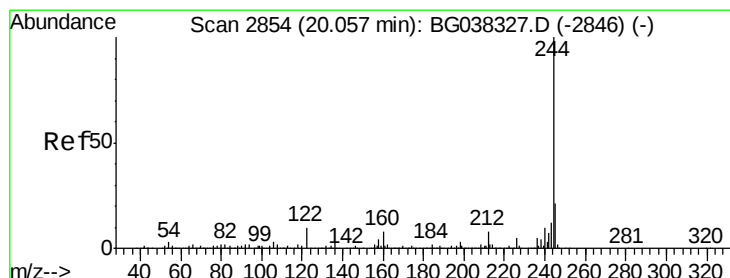
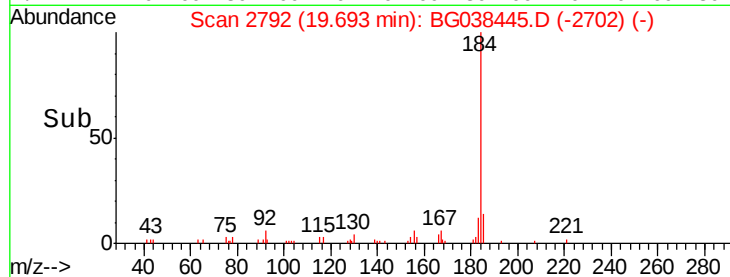
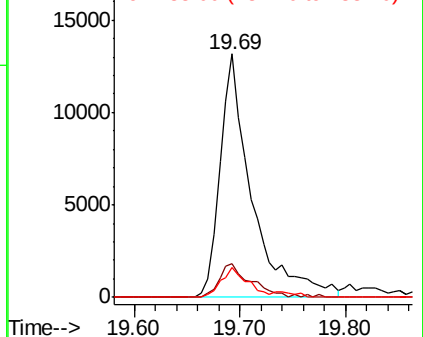
184 100

185 14.0 12.6 18.8

183 12.1 10.2 15.2



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



#79

Terphenyl-d14

Concen: 98.617 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038445.D

Acq: 10 Dec 2018 18:59

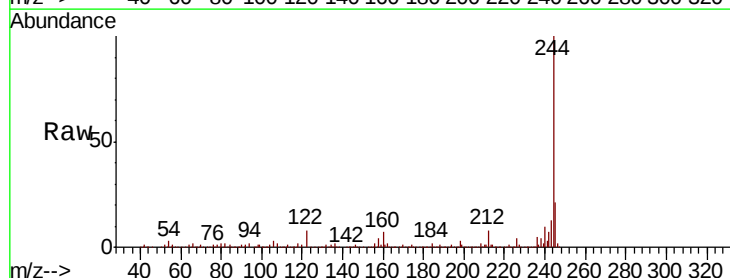
Tgt Ion:244 Resp: 937172

Ion Ratio Lower Upper

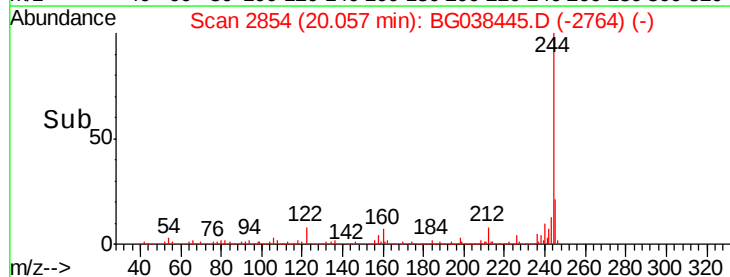
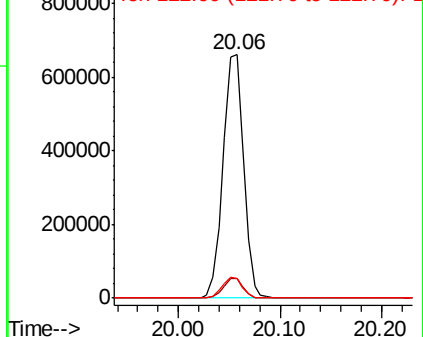
244 100

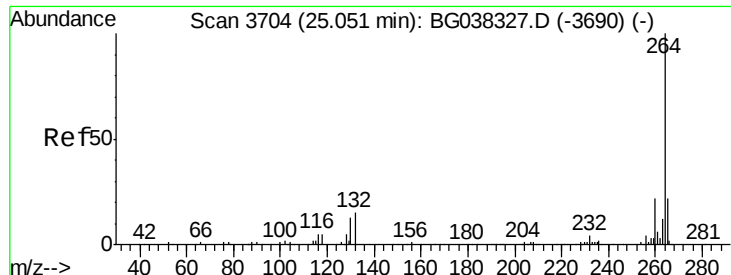
212 7.8 6.5 9.7

122 8.0 9.0 13.4#



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





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038445.D
Acq: 10 Dec 2018 18:59

Instrument :
BNA_G
ClientSampleId :
K-120718-RO

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	20.5	17.9	26.9

