

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041408.D
 Acq On : 22 Jun 2019 18:14
 Operator : HP/JU
 Sample : K3159-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-11

Quant Time: Jun 24 02:09:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

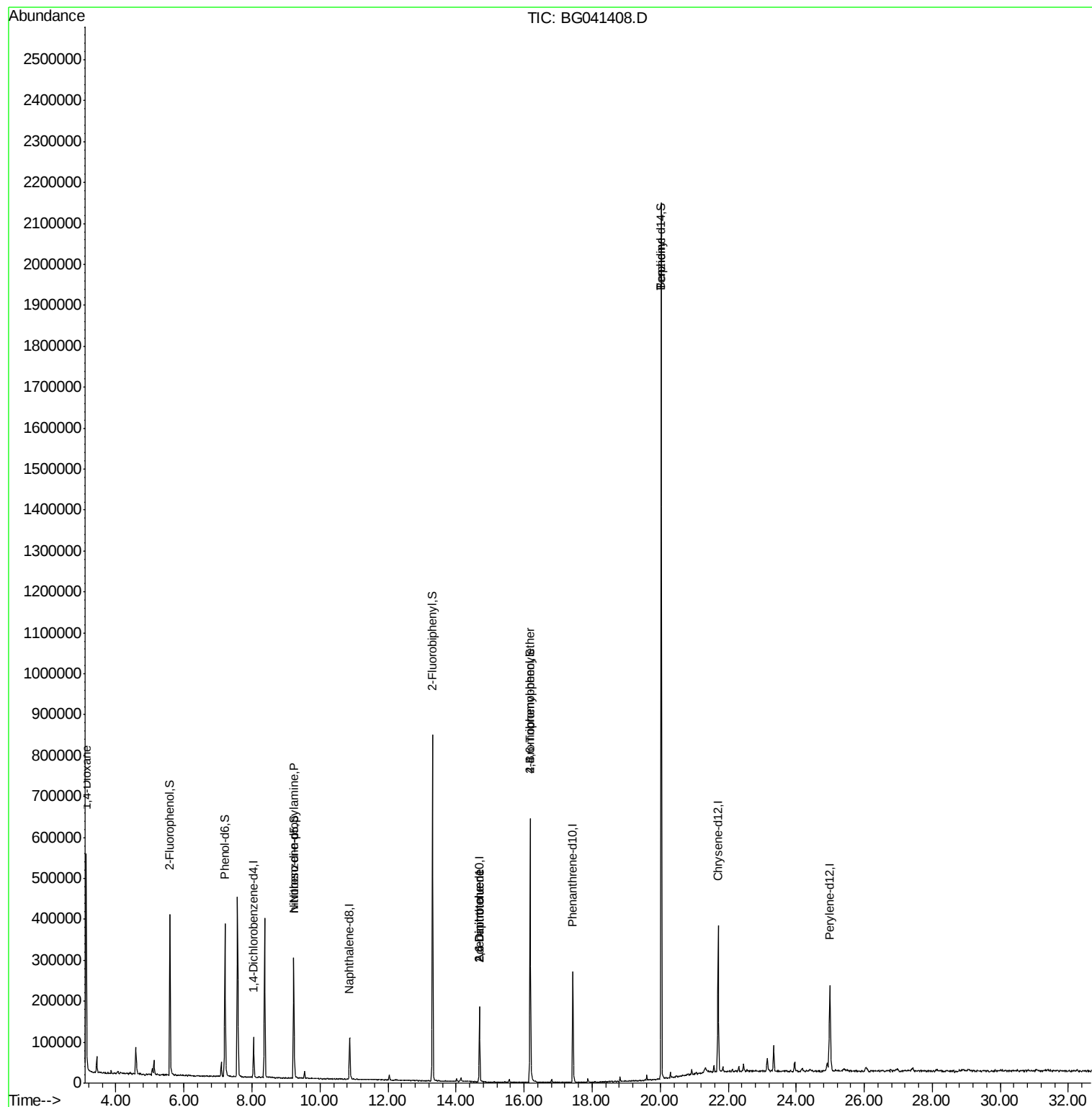
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25921	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	91602	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	64578	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	180493	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	225100	20.00	ng	-0.04
87) Perylene-d12	24.99	264	241730	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	157732	111.81	ng	-0.03
7) Phenol-d6	7.21	99	202007	98.79	ng	-0.03
23) Nitrobenzene-d5	9.23	82	185219	85.04	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	131186	132.32	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	426163	89.69	ng	-0.03
79) Terphenyl-d14	20.03	244	1010687	88.98	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.12	88	5890	8.326	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	27016	16.335	ng	# 83
51) 2,6-Dinitrotoluene	14.69	165	8164	6.738	ng	# 15
57) 2,4-Dinitrotoluene	14.69	165	8164	4.610	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	9102	3.900	ng	# 1
77) Benzidine	20.03	184	16933	3.110	ng	# 95

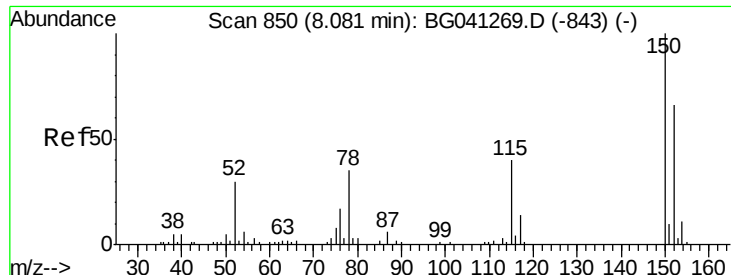
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
Data File : BG041408.D
Acq On : 22 Jun 2019 18:14
Operator : HP/JU
Sample : K3159-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
20190612-LOC-11

Quant Time: Jun 24 02:09:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
Response via : Initial Calibration



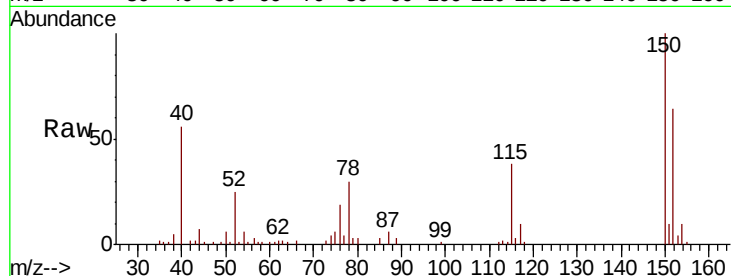


#1

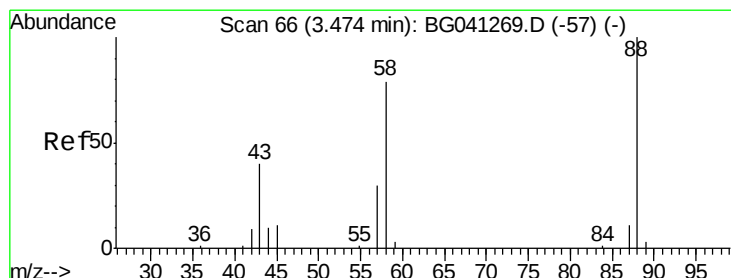
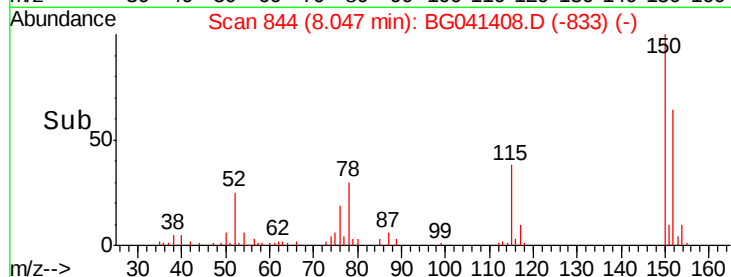
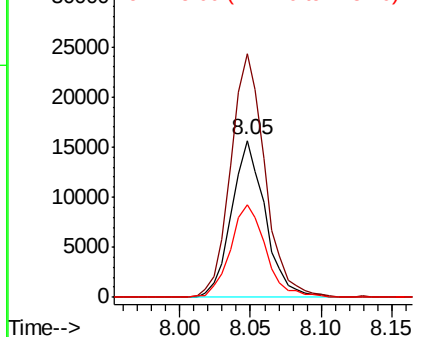
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

Instrument :
BNA_G
ClientSampleId :
20190612-LOC-11

Tot Ion:152 Resp: 25921
Ion Ratio Lower Upper
152 100
150 155.5 120.6 181.0
115 59.2 47.9 71.9



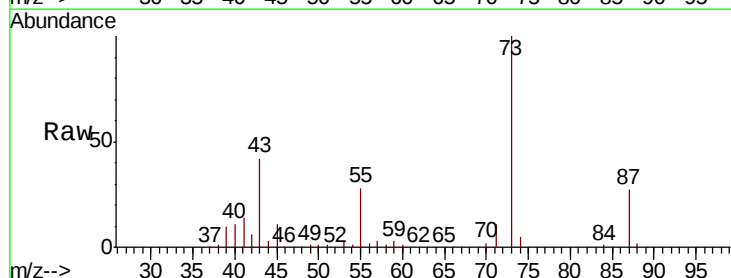
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



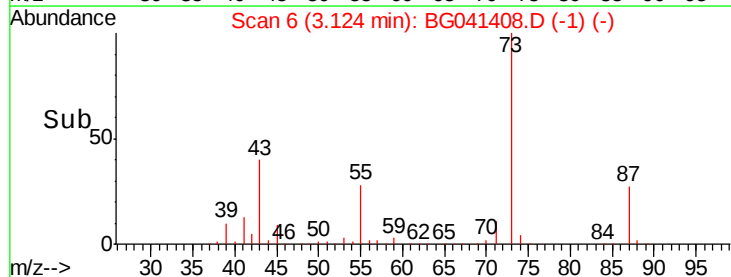
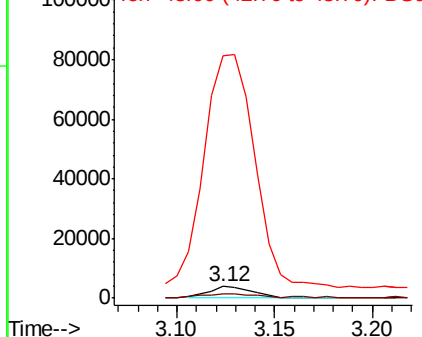
#2

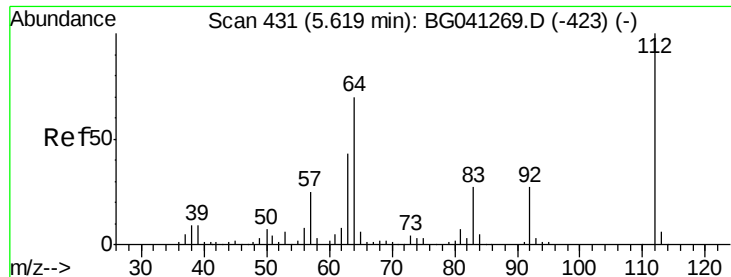
1,4-Dioxane
Concen: 8.326 ng
RT: 3.12 min Scan# 6
Delta R.T. -0.35 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

Tgt Ion: 88 Resp: 5890
Ion Ratio Lower Upper
88 100
58 29.9 59.7 89.5#
43 2286.2 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 111.809 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.03 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-11

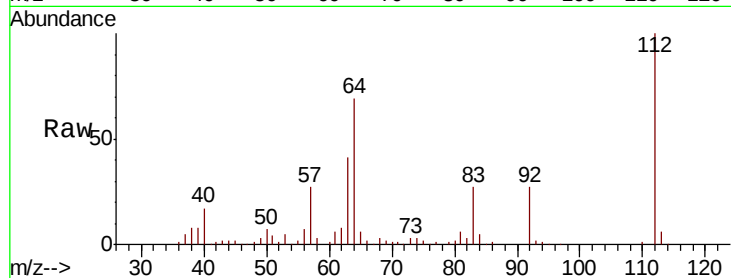
Tot Ion:112 Resp: 157732

Ion Ratio Lower Upper

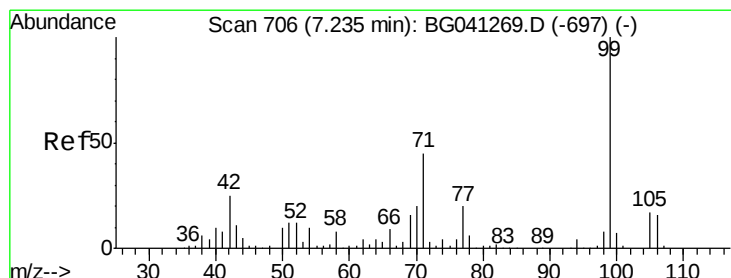
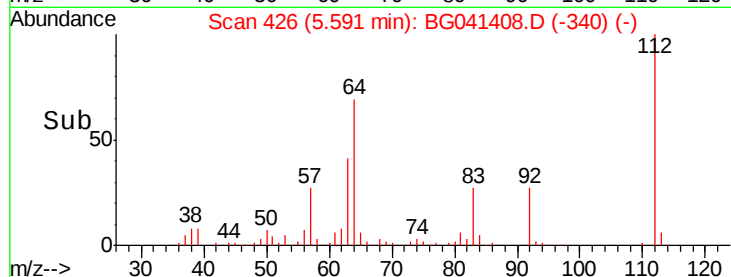
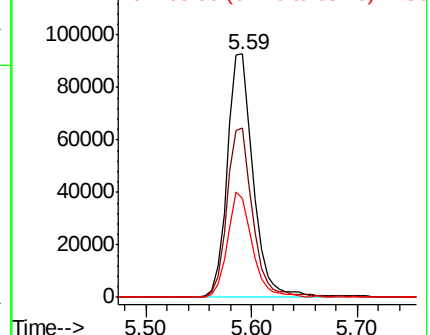
112 100

64 69.4 55.9 83.9

63 40.6 34.6 51.8



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: 98.787 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

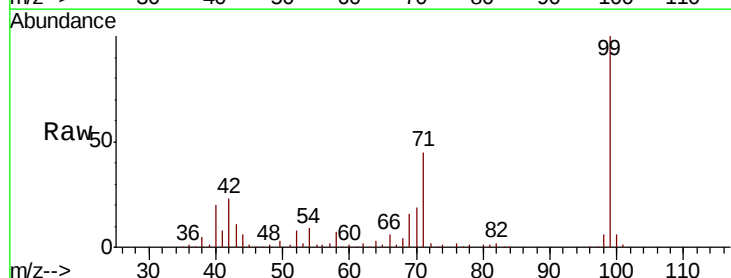
Tgt Ion: 99 Resp: 202007

Ion Ratio Lower Upper

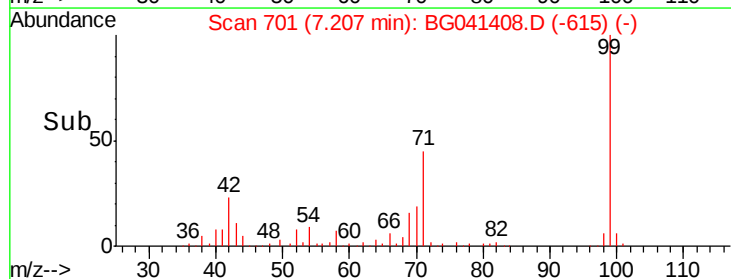
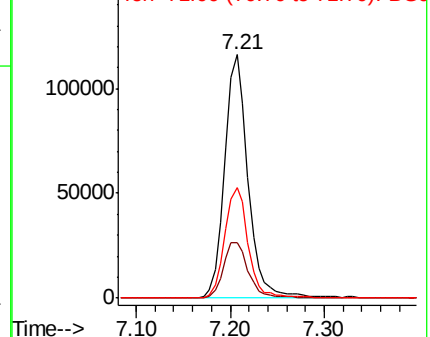
99 100

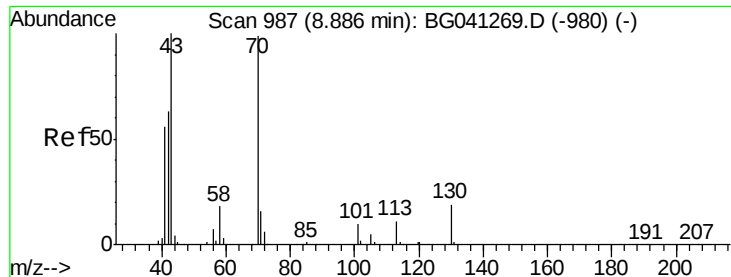
42 22.9 19.9 29.9

71 45.4 36.4 54.6



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: 16.335 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

Instrument :

BNA_G

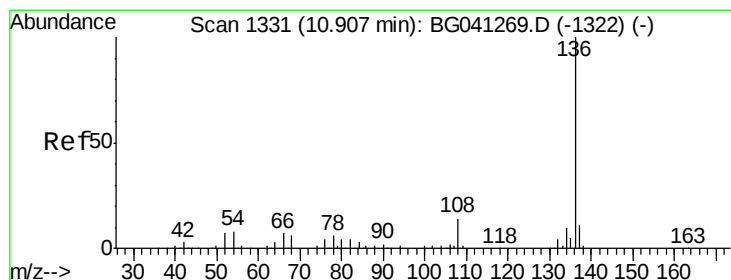
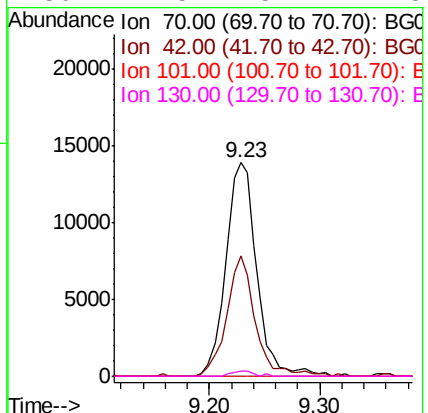
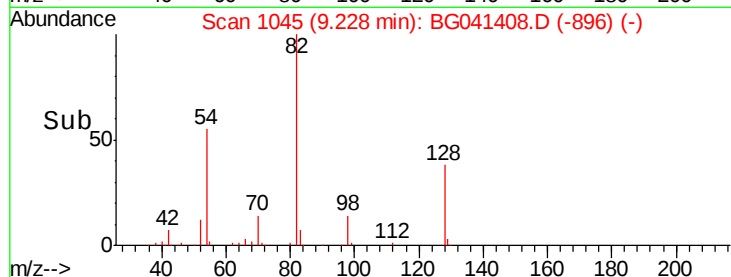
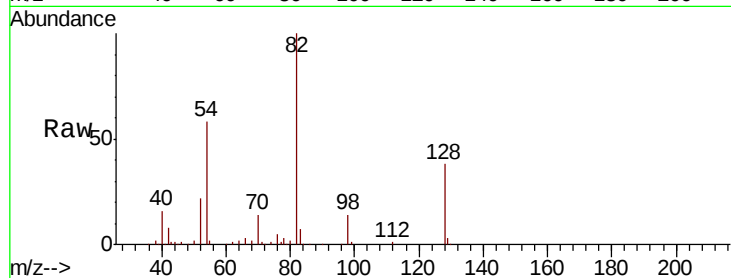
ClientSampleId :

20190612-LOC-11

Tot Ion: 70 Resp: 27016

Ion Ratio Lower Upper

70	100		
42	56.6	51.4	77.2
101	0.0	8.2	12.2#
130	2.5	15.2	22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.03 min

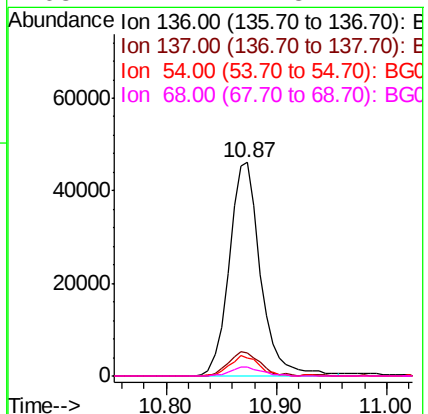
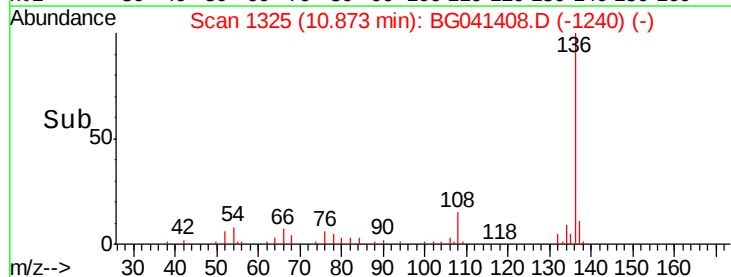
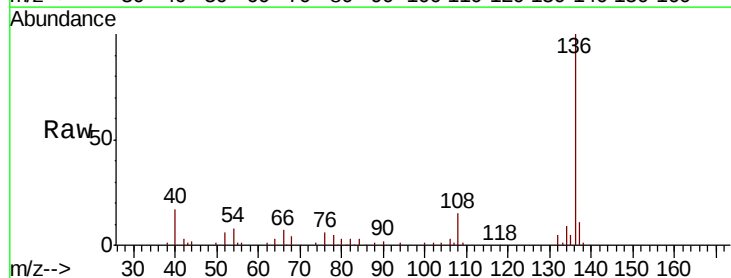
Lab File: BG041408.D

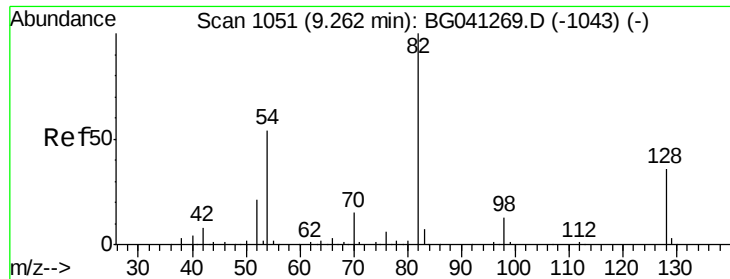
Acq: 22 Jun 2019 18:14

Tgt Ion: 136 Resp: 91602

Ion Ratio Lower Upper

136	100		
137	11.0	8.8	13.2
54	8.1	6.4	9.6
68	4.4	4.8	7.2#

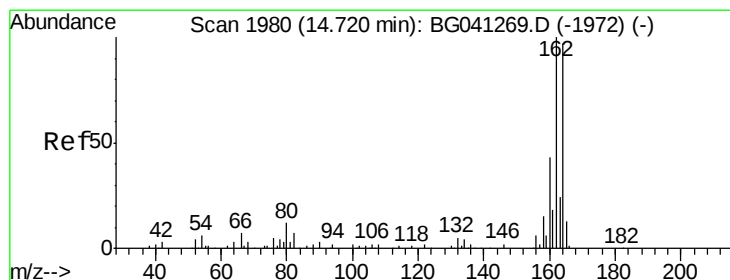
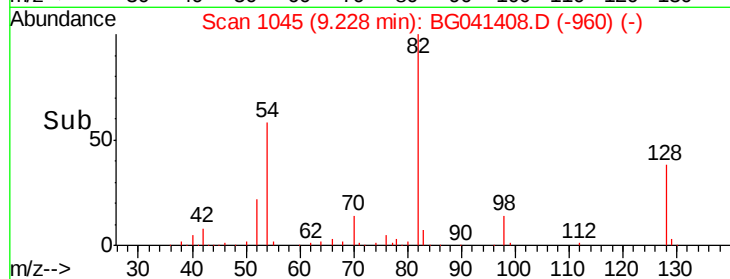
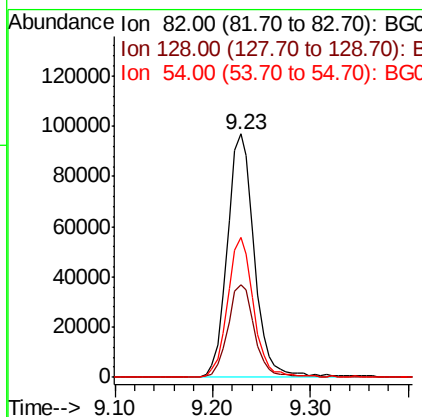
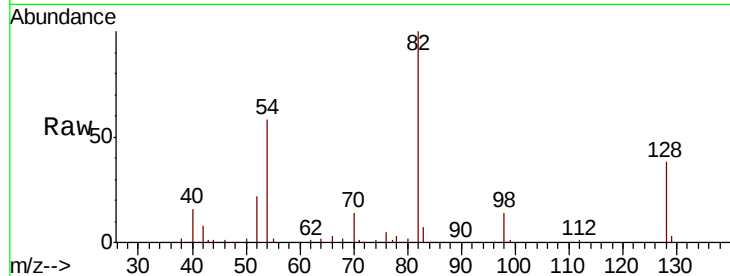




#23
Nitrobenzene-d5
Concen: 85.038 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

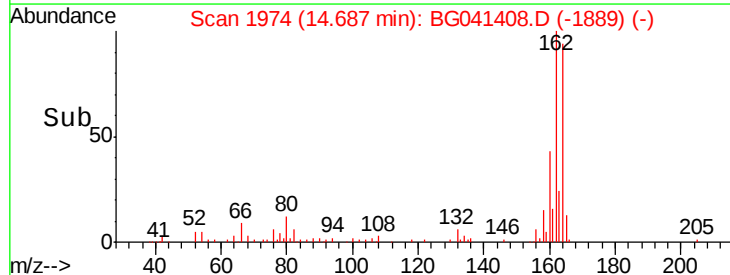
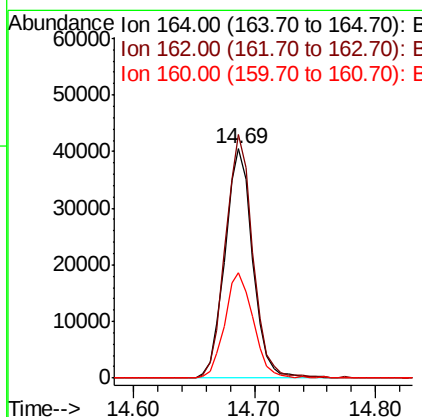
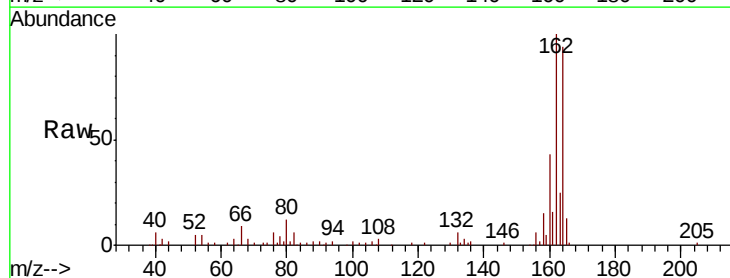
Instrument :
BNA_G
ClientSampleId :
20190612-LOC-11

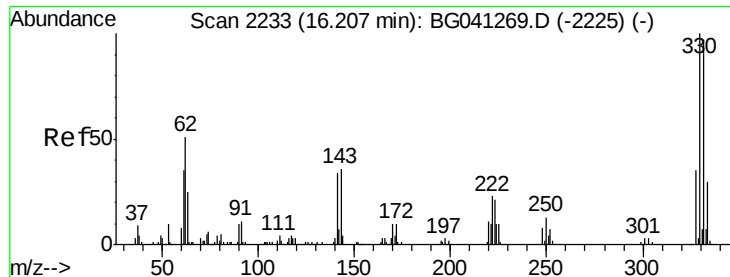
Tot Ion	82	Resp	185219
Ion Ratio	Lower	Upper	
82	100		
128	37.9	29.2	43.8
54	57.6	43.4	65.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

Tgt Ion	164	Resp	64578
Ion Ratio	Lower	Upper	
164	100		
162	106.1	82.8	124.2
160	46.0	35.8	53.8

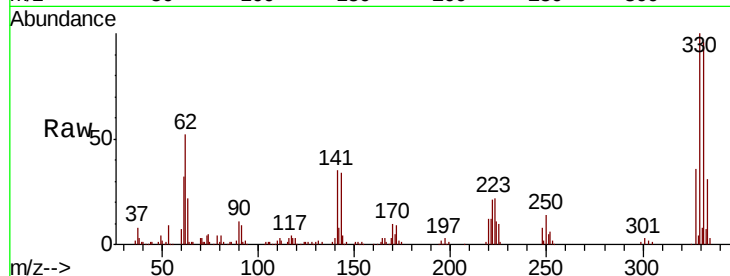




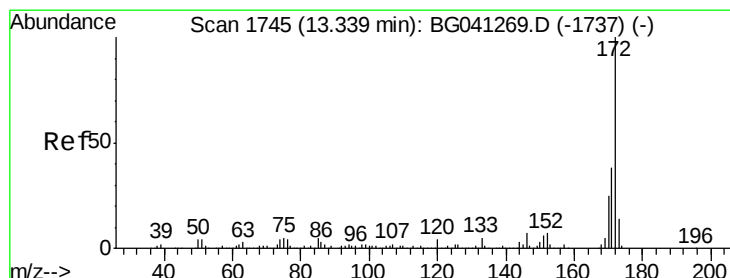
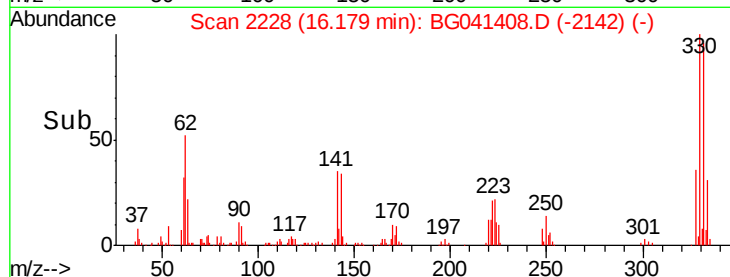
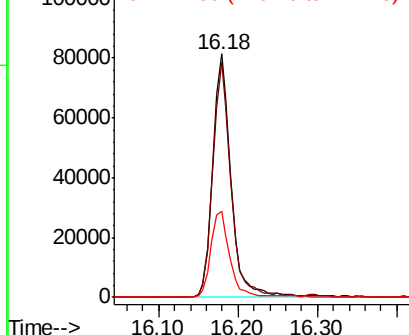
#42
 2,4,6-Tribromophenol
 Concen: 132.322 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.03 min
 Lab File: BG041408.D
 Acq: 22 Jun 2019 18:14

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-11

Tot Ion:330 Resp: 131186
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.5 113.3
 141 36.1 29.0 43.4

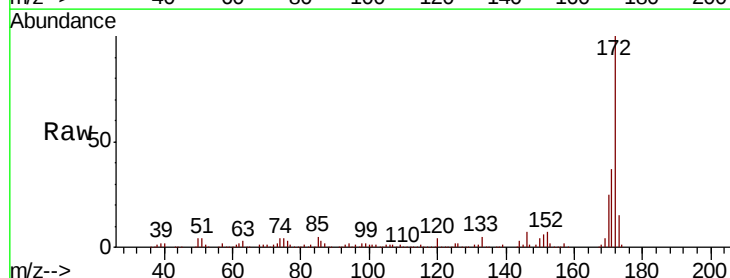


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

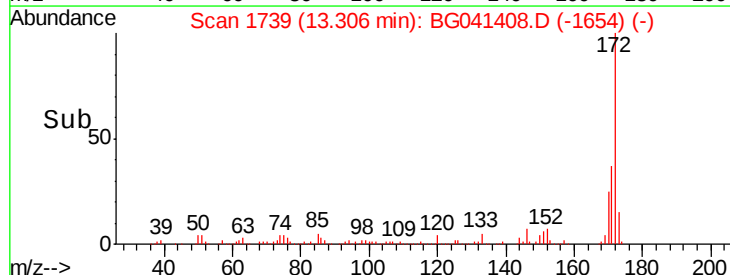
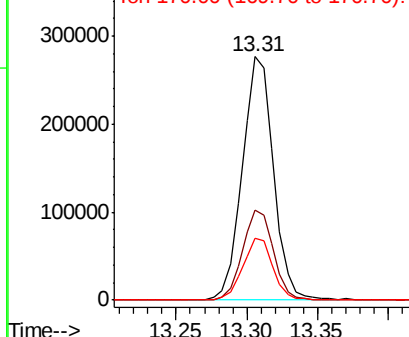


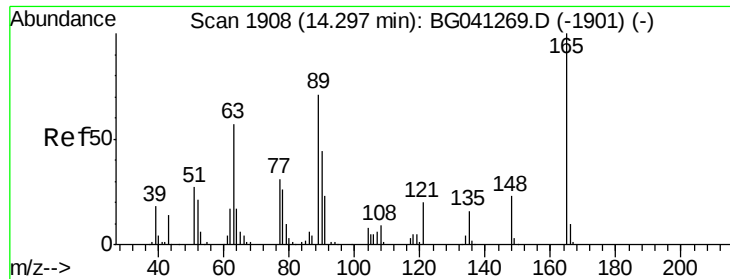
#45
 2-Fluorobiphenyl
 Concen: 89.693 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041408.D
 Acq: 22 Jun 2019 18:14

Tgt Ion:172 Resp: 426163
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 25.2 19.8 29.6



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

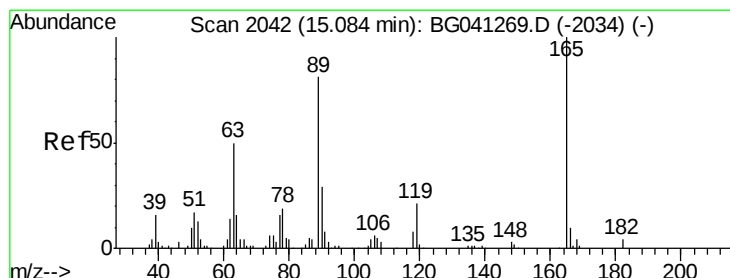
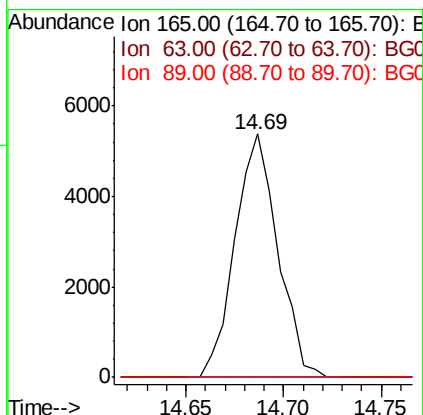
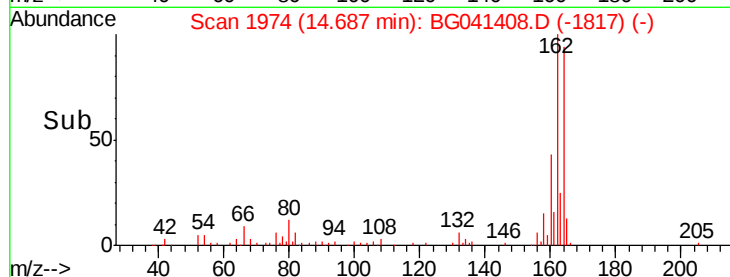
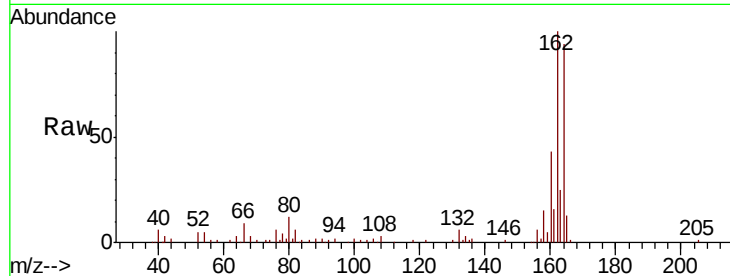




#51
2,6-Dinitrotoluene
Concen: 6.738 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

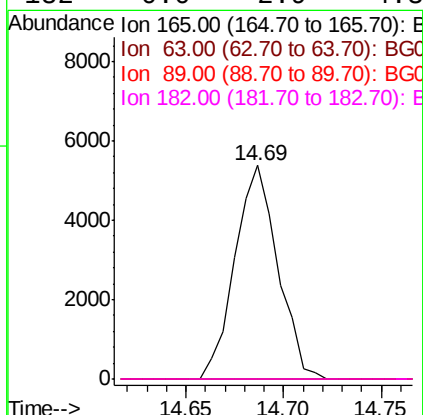
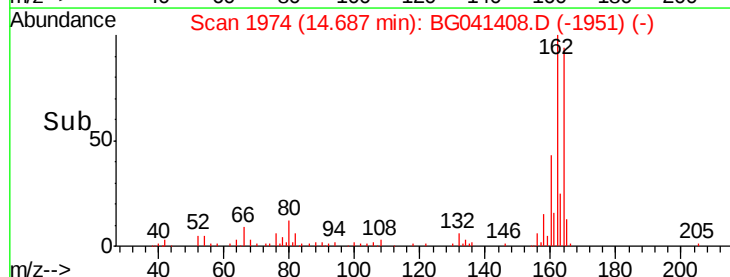
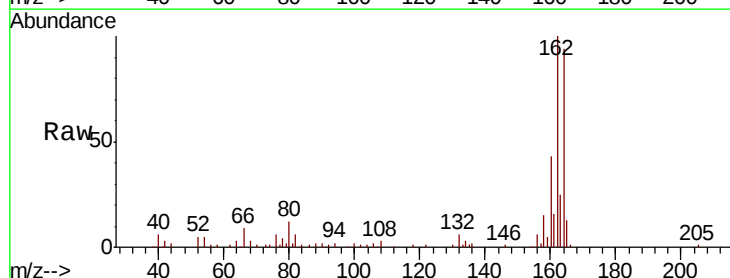
Instrument :
BNA_G
ClientSampleId :
20190612-LOC-11

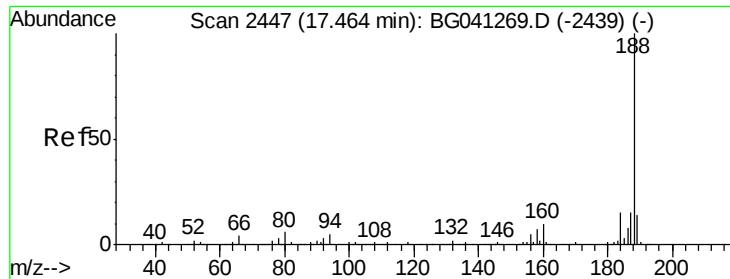
Tot Ion:165 Resp: 8164
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 0.0 56.5 84.7#



#57
2,4-Dinitrotoluene
Concen: 4.610 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.40 min
Lab File: BG041408.D
Acq: 22 Jun 2019 18:14

Tgt Ion:165 Resp: 8164
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 0.0 64.6 96.8#
182 0.0 2.9 4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-11

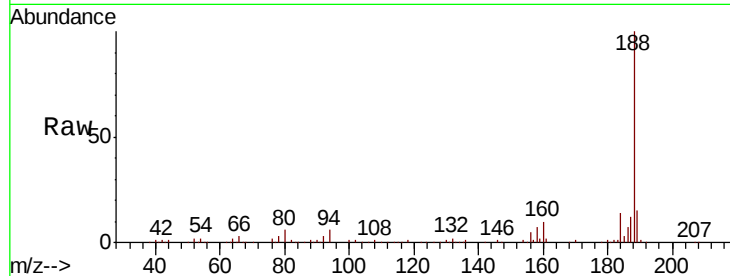
Tot Ion:188 Resp: 180493

Ion Ratio Lower Upper

188 100

94 5.6 3.6 5.4#

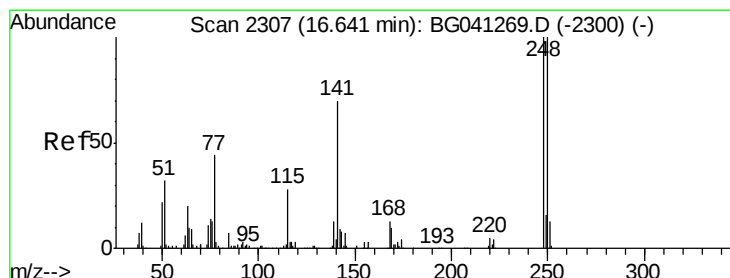
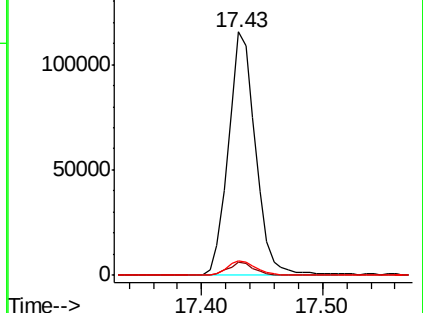
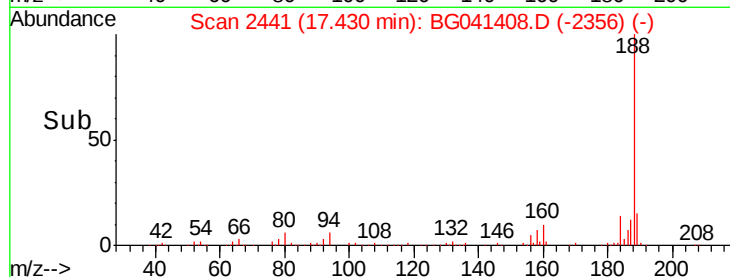
80 5.8 4.8 7.2



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: 3.900 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.46 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

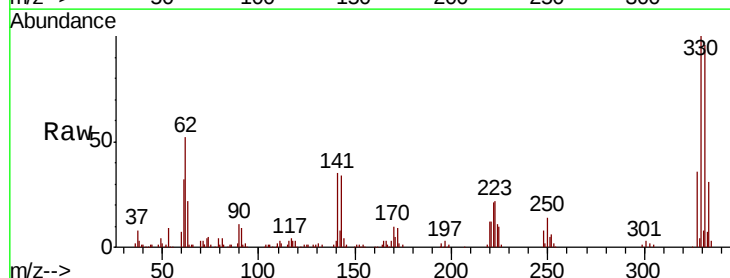
Tgt Ion:248 Resp: 9102

Ion Ratio Lower Upper

248 100

250 143.9 79.8 119.8#

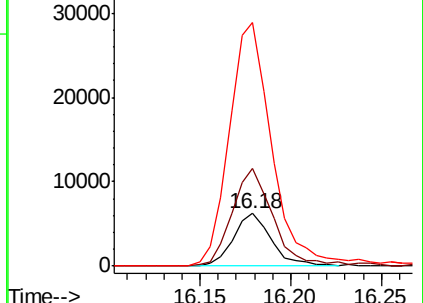
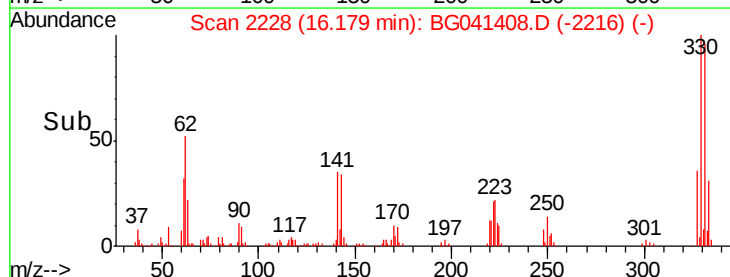
141 356.3 55.8 83.6#

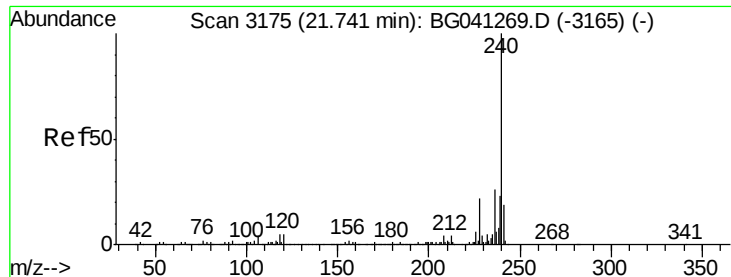


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

Instrument :

BNA_G

ClientSampleId :

20190612-LOC-11

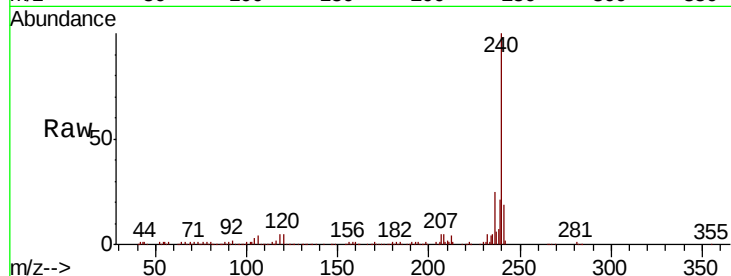
Tot Ion:240 Resp: 225100

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

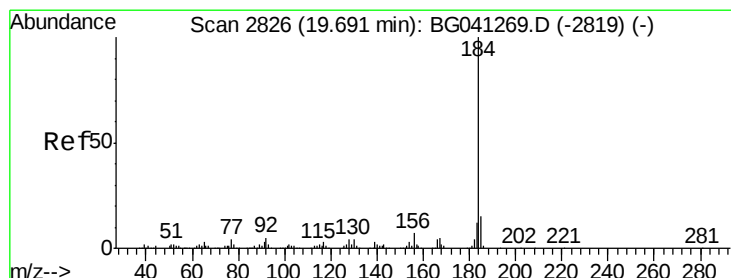
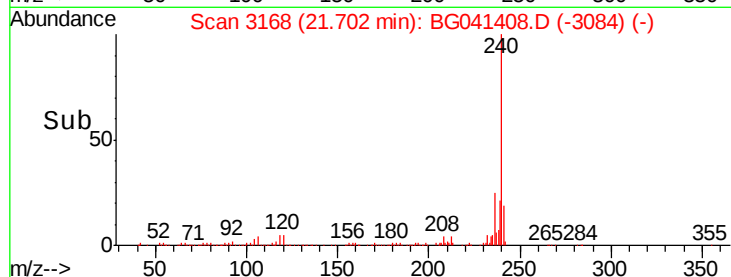
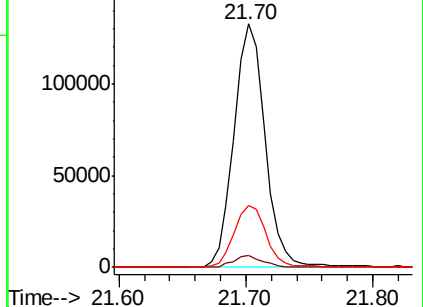
236 25.3 21.1 31.7



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: 3.110 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041408.D

Acq: 22 Jun 2019 18:14

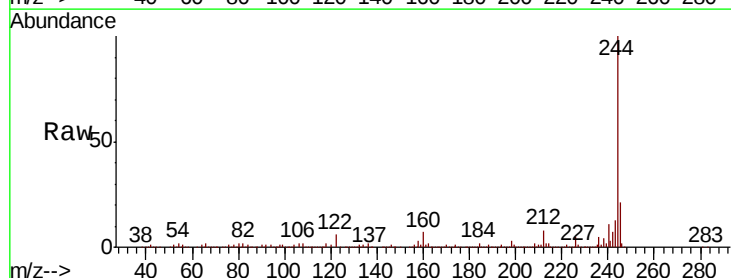
Tgt Ion:184 Resp: 16933

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.2

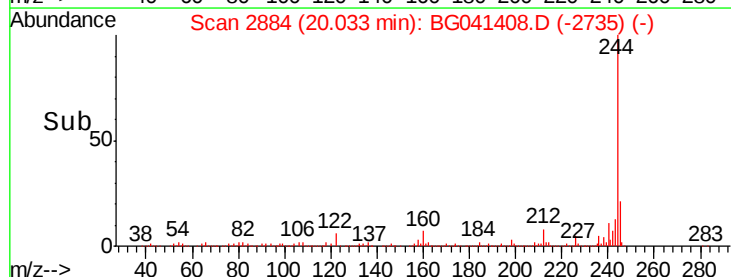
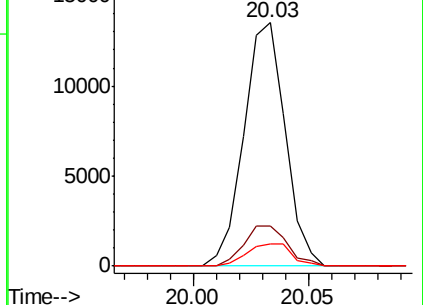
183 9.0 9.6 14.4#

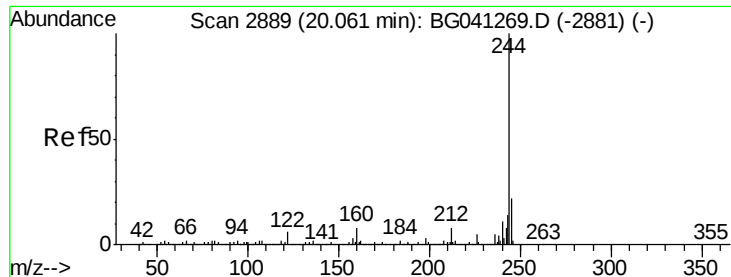


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



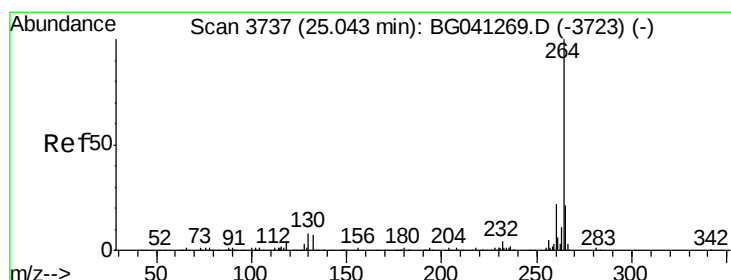
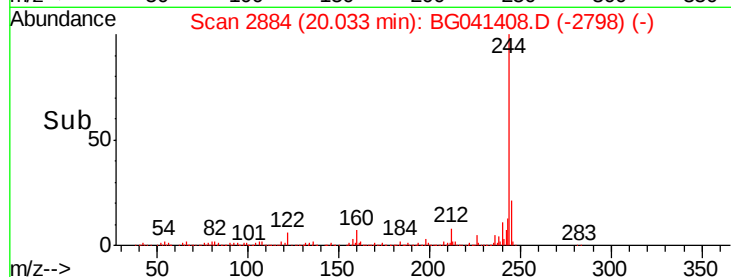
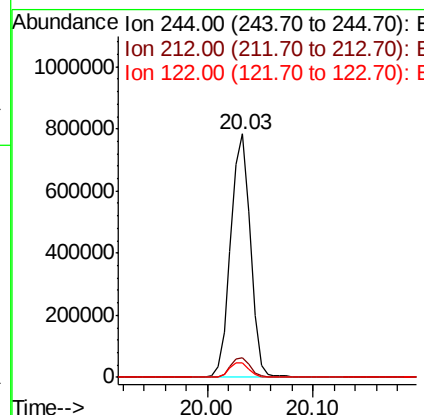
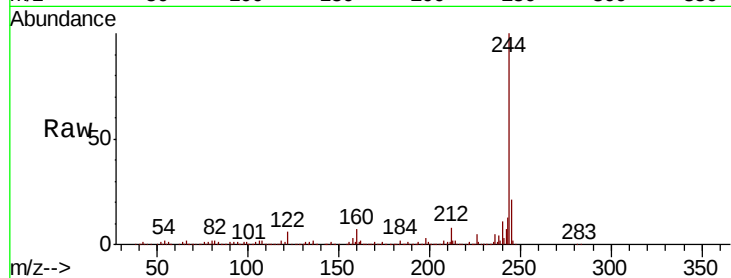


#79
 Terphenyl-d14
 Concen: 88.981 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. -0.03 min
 Lab File: BG041408.D
 Acq: 22 Jun 2019 18:14

Instrument :
 BNA_G
 ClientSampleId :
 20190612-LOC-11

Tot Ion:244 Resp: 1010687

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	6.1	5.0	7.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3727
 Delta R.T. -0.06 min
 Lab File: BG041408.D
 Acq: 22 Jun 2019 18:14

Tgt Ion:264 Resp: 241730

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.2
265	22.8	17.2	25.8

