

Data File : BG036615.D
Acq On : 8 Sep 2018 3:26
Operator : JU/SJ
Sample : J4798-18RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
090418-TIPC-E-U-M

Quant Time: Sep 08 04:19:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

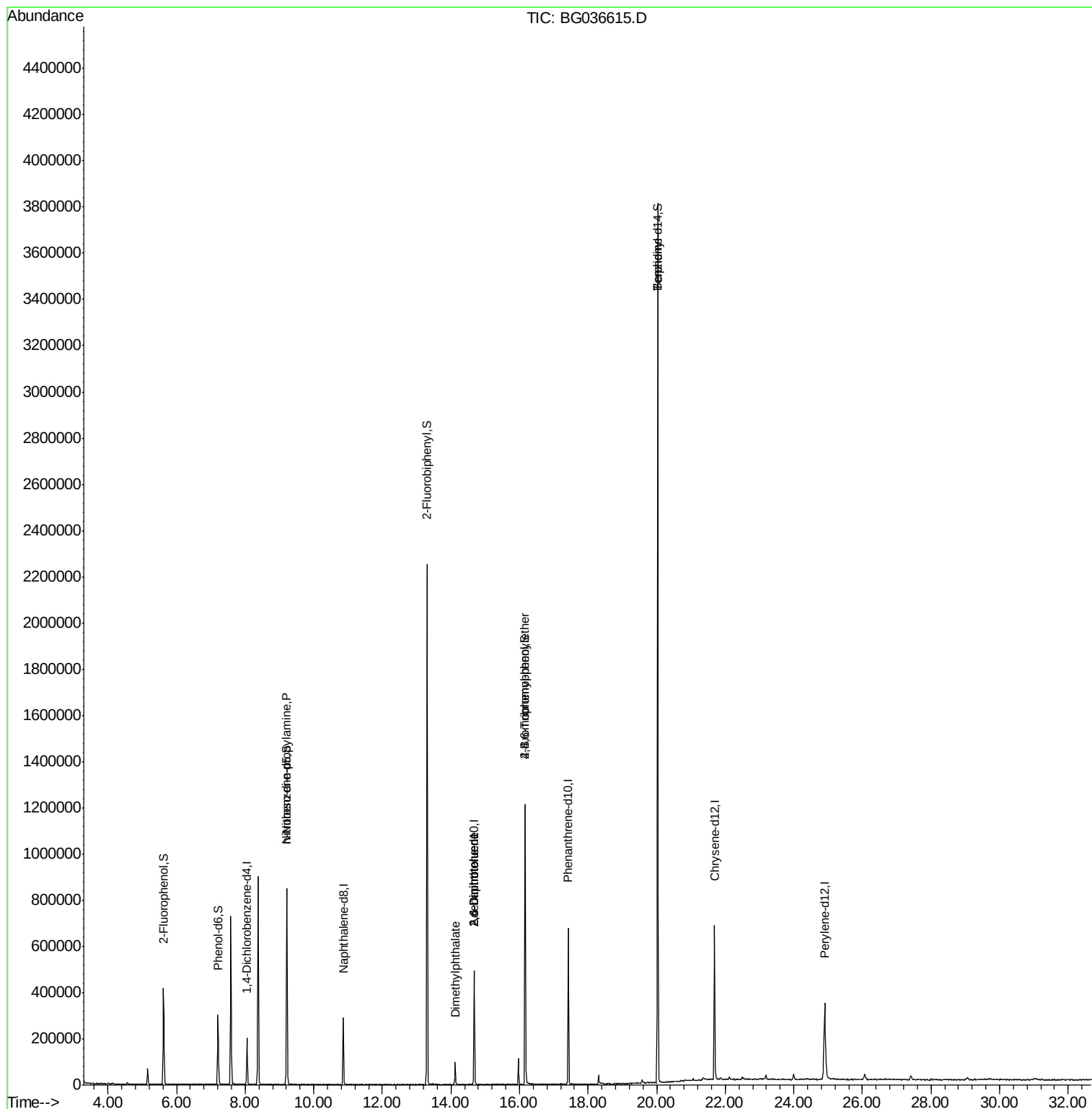
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58138	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	251136	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	170611	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	429408	20.00	ng	0.00
75) Chrysene-d12	21.68	240	429398	20.00	ng	-0.01
86) Perylene-d12	24.90	264	413701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	183663	50.11	ng	0.00
7) Phenol-d6	7.21	99	171334	32.65	ng	-0.01
23) Nitrobenzene-d5	9.22	82	518244	111.96	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	240998	118.38	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1183338	99.03	ng	0.00
78) Terphenyl-d14	20.03	244	1788820	97.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	69324	17.677	ng	Qvalue # 70
49) Dimethylphthalate	14.13	163	65650	4.712	ng	# 98
50) 2,6-Dinitrotoluene	14.68	165	21805	7.606	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	21805	5.836	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	16662	3.314	ng	# 1
76) Benzidine	20.03	184	31841	2.324	ng	# 90

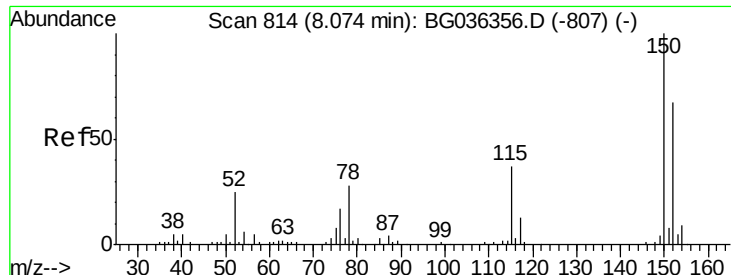
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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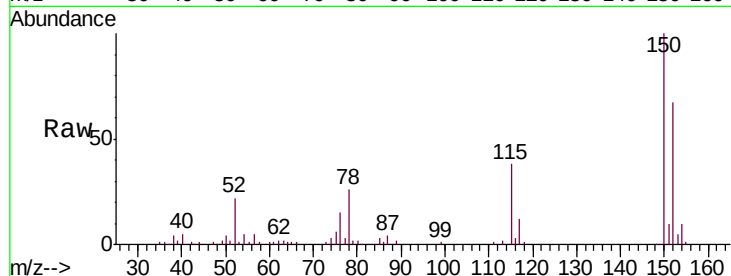


#1

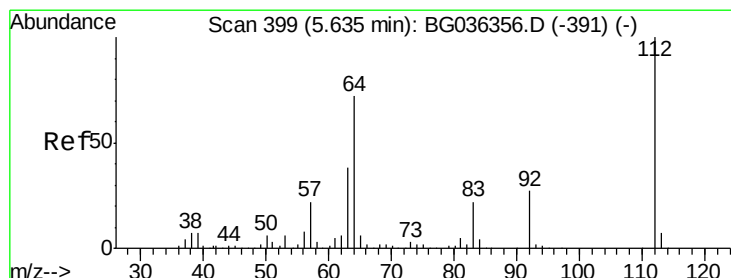
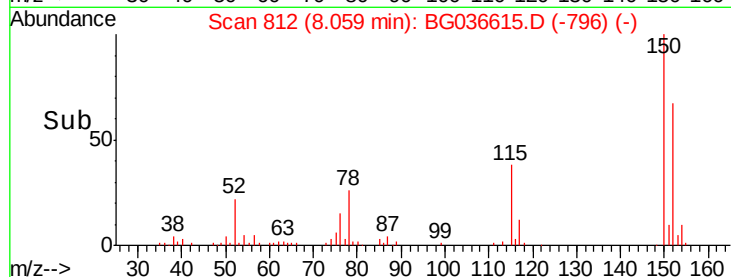
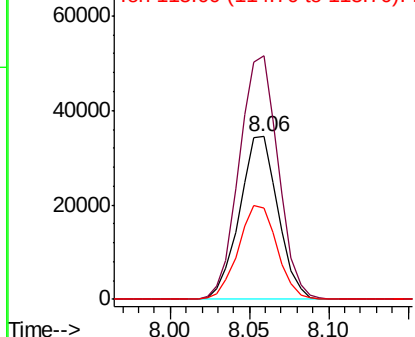
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Instrument :
BNA_G
ClientSampleId :
090418-TIPC-E-U-M

Tgt Ion:152 Resp: 58138
Ion Ratio Lower Upper
152 100
150 149.7 119.5 179.3
115 56.3 44.5 66.7



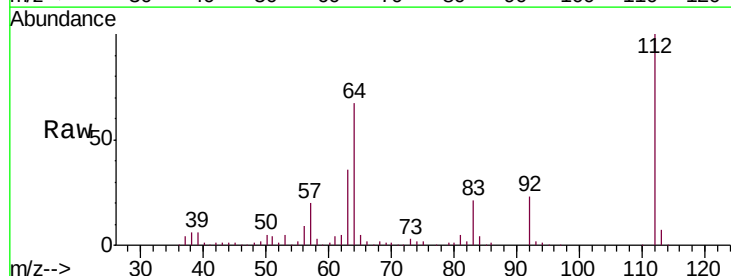
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



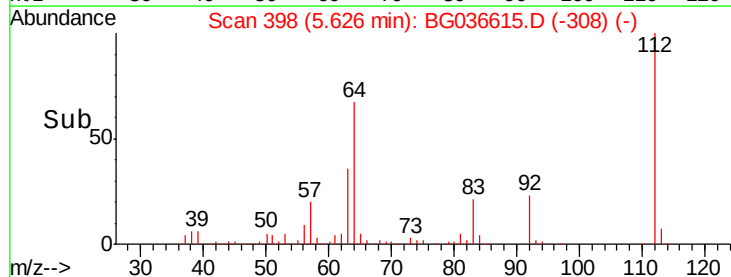
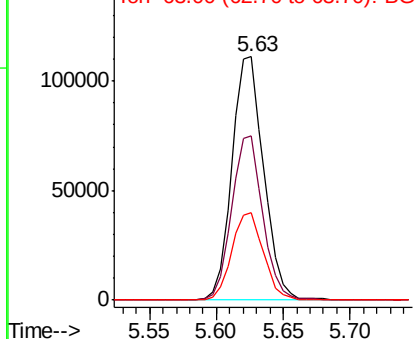
#5

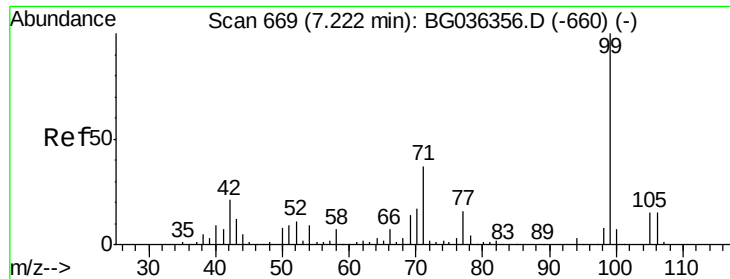
2-Fluorophenol
Concen: 50.112 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Tgt Ion:112 Resp: 183663
Ion Ratio Lower Upper
112 100
64 67.4 57.2 85.8
63 35.9 30.8 46.2



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: 32.651 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

Instrument :

BNA_G

ClientSampleId :

090418-TIPC-E-U-M

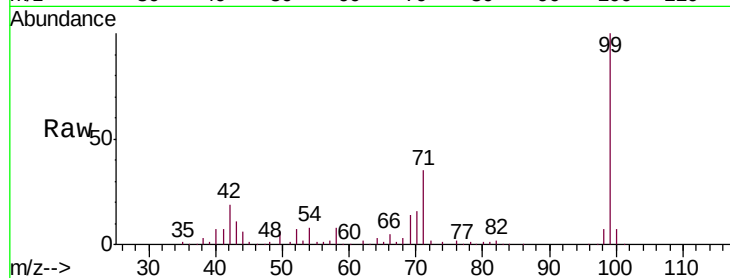
Tgt Ion: 99 Resp: 171334

Ion Ratio Lower Upper

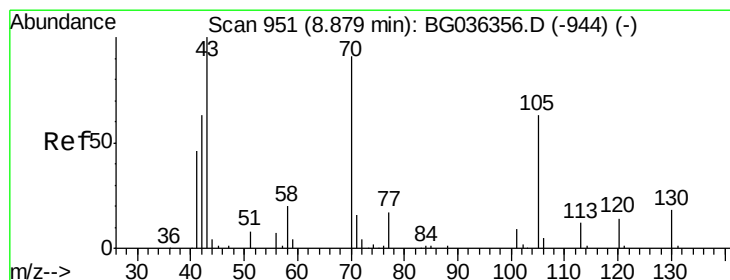
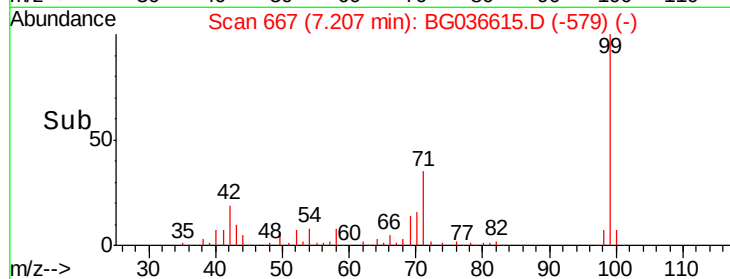
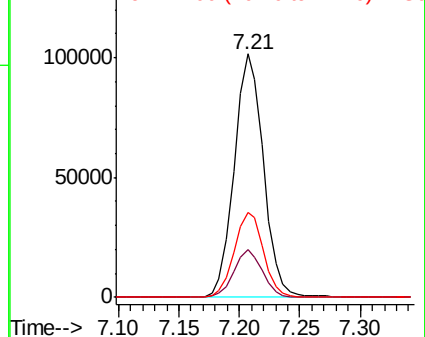
99 100

42 19.4 16.5 24.7

71 35.0 29.4 44.2



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: 17.677 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

Tgt Ion: 70 Resp: 69324

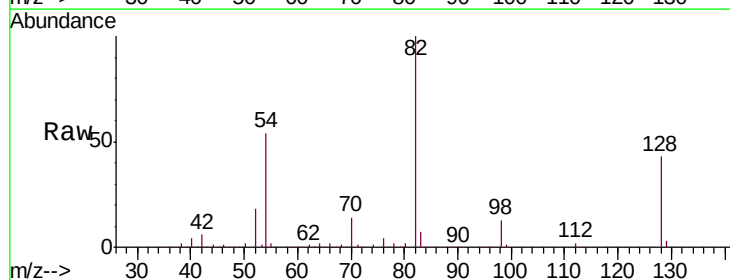
Ion Ratio Lower Upper

70 100

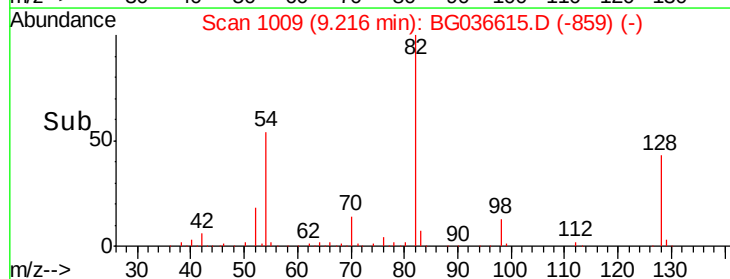
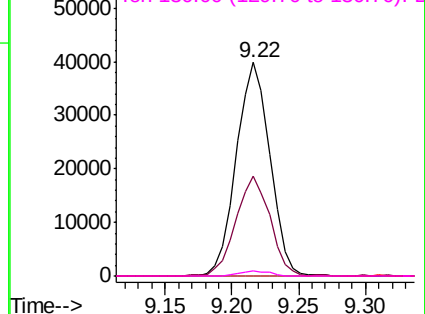
42 46.8 56.2 84.4#

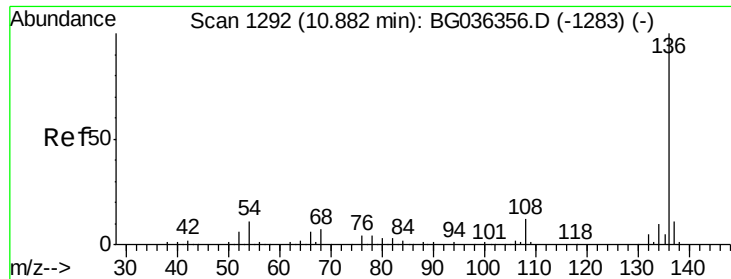
101 0.0 7.8 11.6#

130 2.6 16.2 24.2#



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

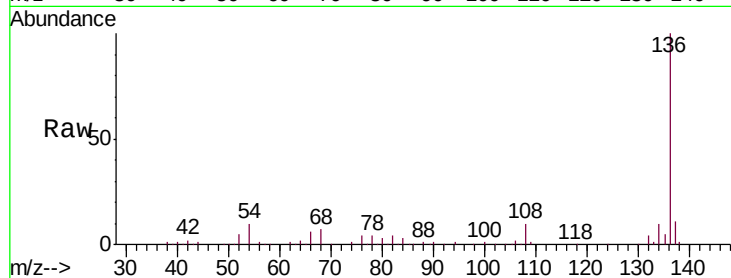




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Instrument :
BNA_G
ClientSampleId :
090418-TIPC-E-U-M

Tgt Ion:	136	Resp:	251136
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.9	9.2	13.8
68	6.6	5.8	8.6



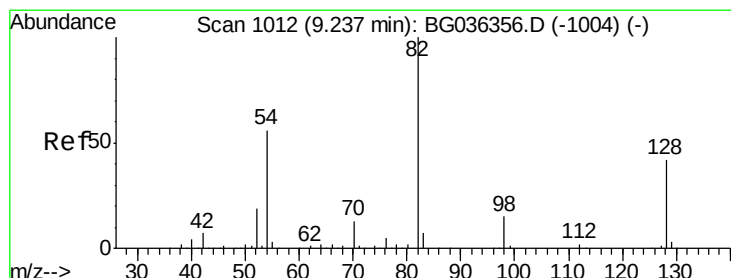
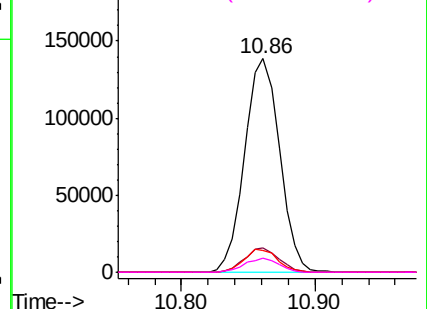
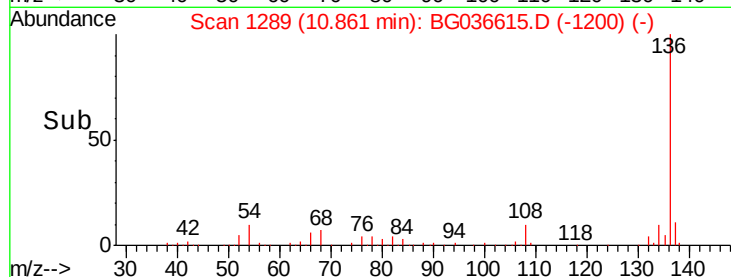
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

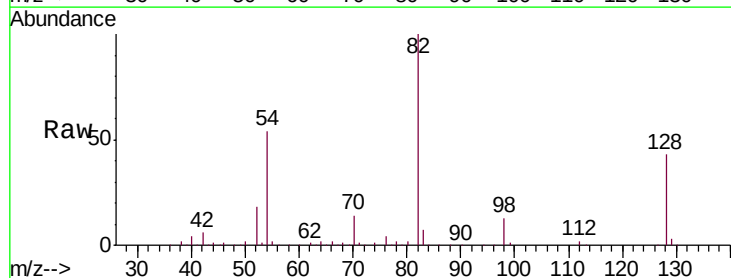
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 111.964 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Tgt Ion:	82	Resp:	518244
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.3	49.9
54	54.4	45.1	67.7

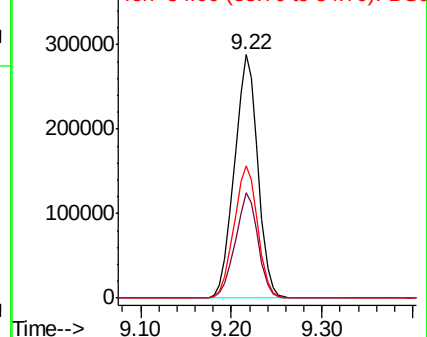
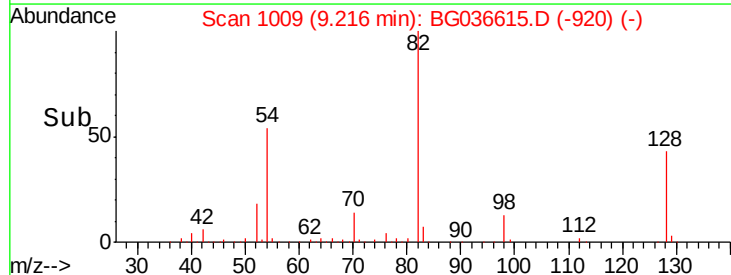


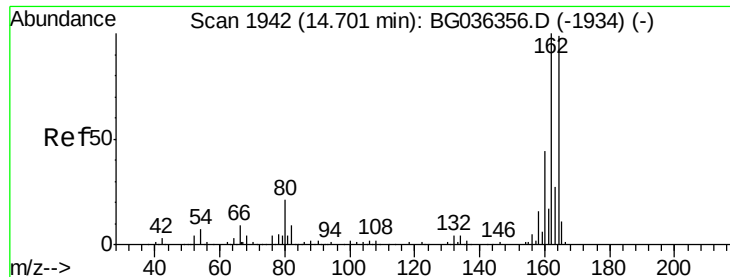
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

Instrument :

BNA_G

ClientSampleId :

090418-TIPC-E-U-M

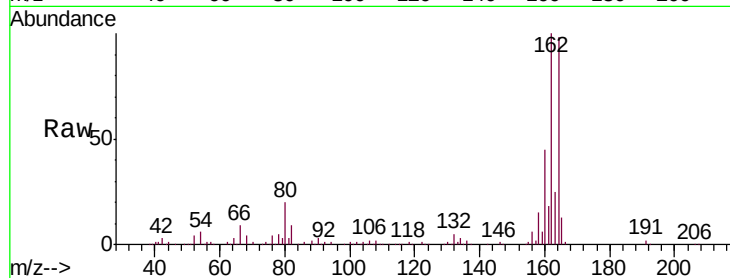
Tgt Ion:164 Resp: 170611

Ion Ratio Lower Upper

164 100

162 101.6 80.7 121.1

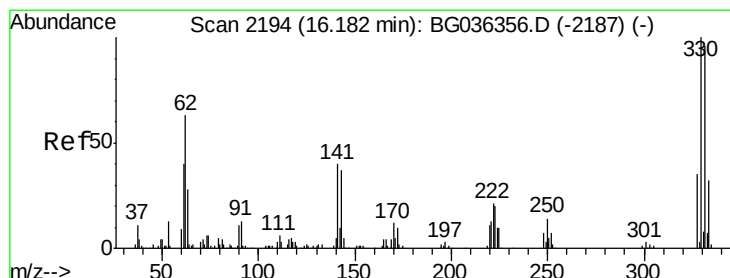
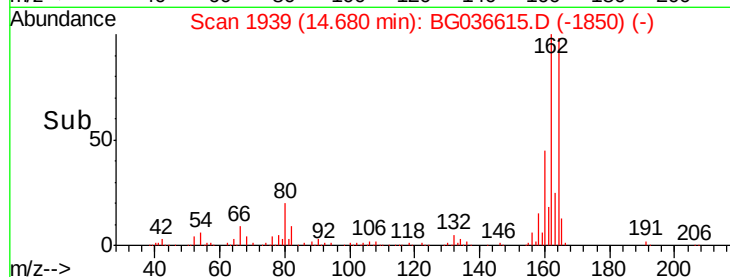
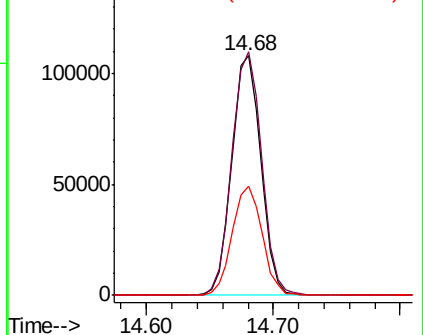
160 45.6 35.3 52.9



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: 118.382 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

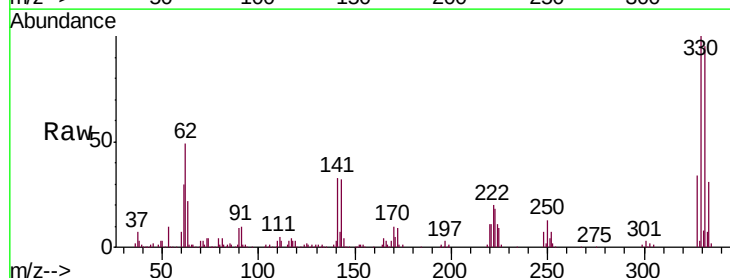
Tgt Ion:330 Resp: 240998

Ion Ratio Lower Upper

330 100

332 93.7 75.4 113.2

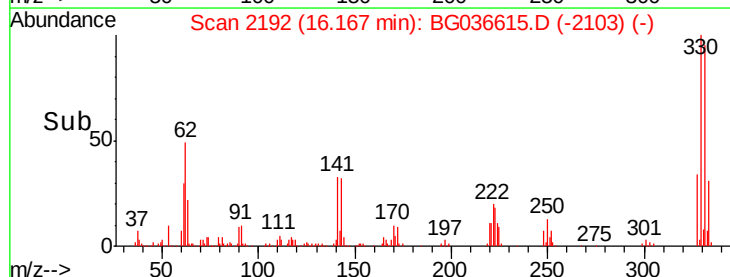
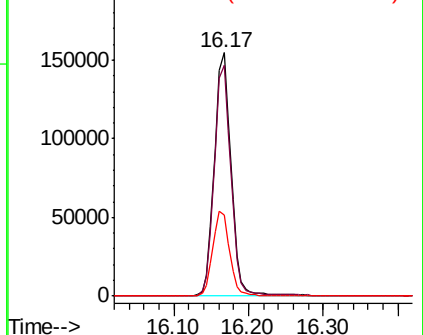
141 34.9 30.7 46.1

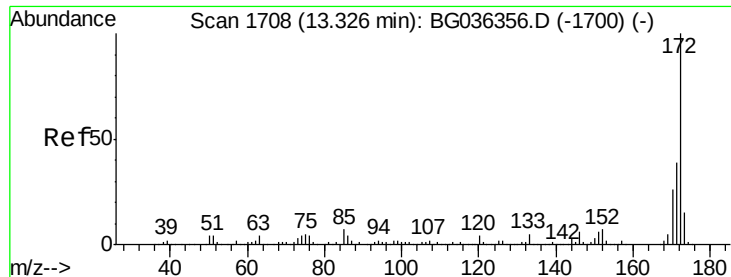


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

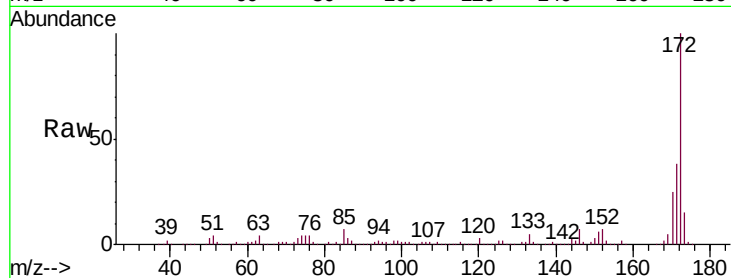




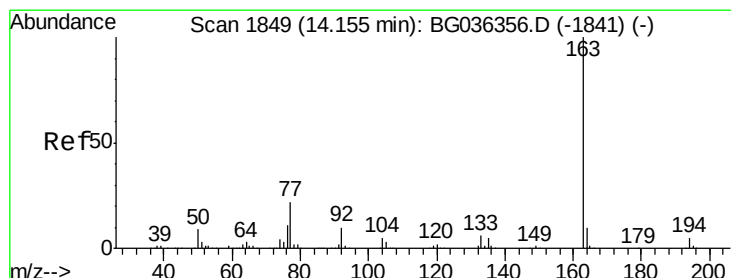
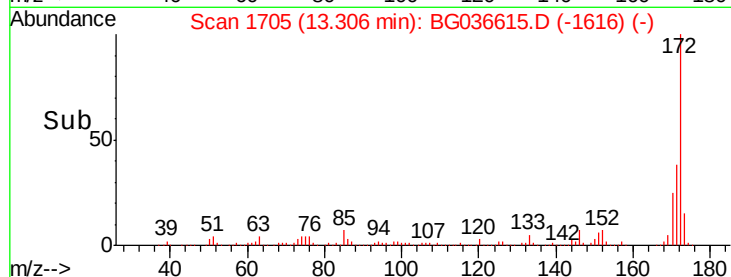
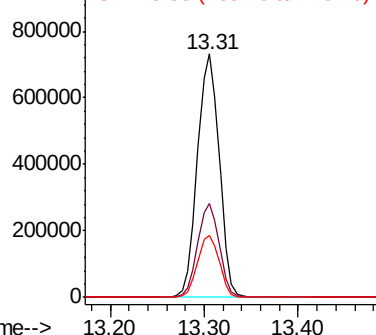
#44
2-Fluorobiphenyl
Concen: 99.032 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Instrument :
BNA_G
ClientSampleId :
090418-TIPC-E-U-M

Tgt Ion:172 Resp: 1183338
Ion Ratio Lower Upper
172 100
171 38.5 31.3 46.9
170 25.2 21.0 31.6

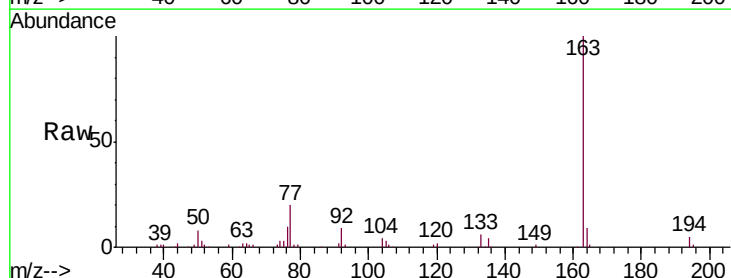


Abundance Ion 172.00 (171.70 to 172.70): E
1000000 Ion 171.00 (170.70 to 171.70): E
800000 Ion 170.00 (169.70 to 170.70): E

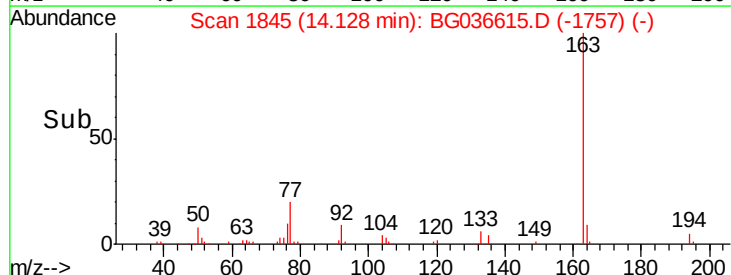
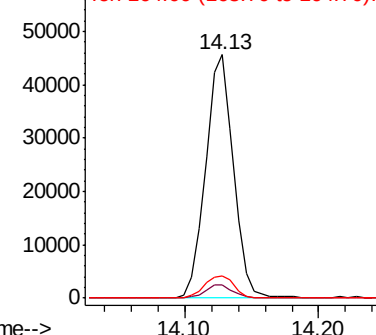


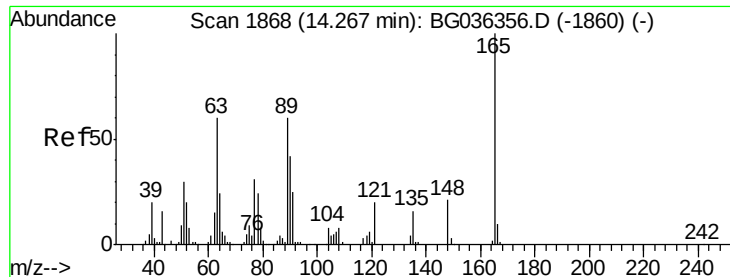
#49
Dimethylphthalate
Concen: 4.712 ng
RT: 14.13 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Tgt Ion:163 Resp: 65650
Ion Ratio Lower Upper
163 100
194 5.3 4.0 6.0
164 9.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
60000 Ion 194.00 (193.70 to 194.70): E
50000 Ion 164.00 (163.70 to 164.70): E

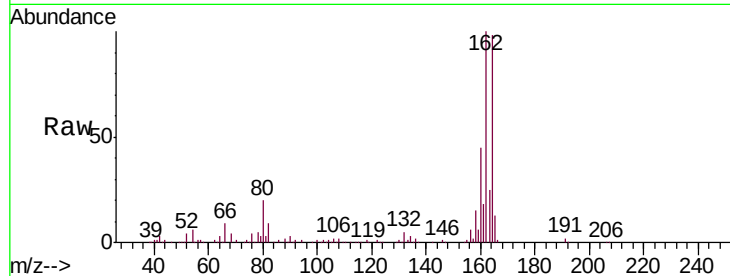




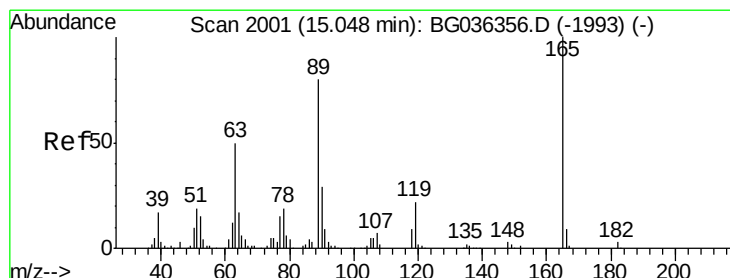
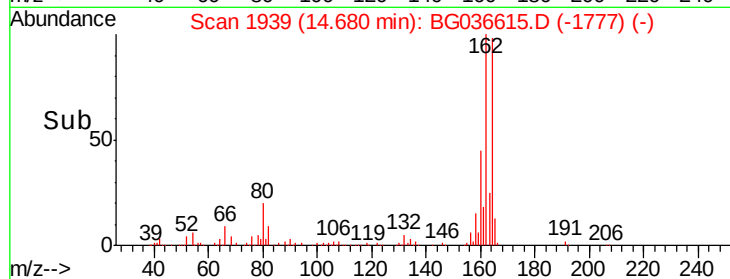
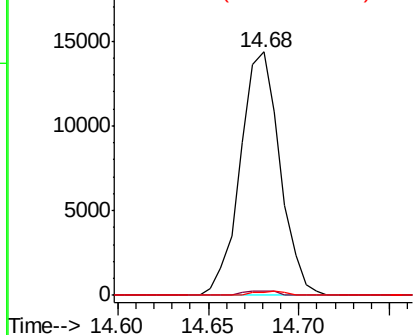
#50
2,6-Dinitrotoluene
Concen: 7.606 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.42 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.1	75.1#
89	1.1	47.8	71.6#

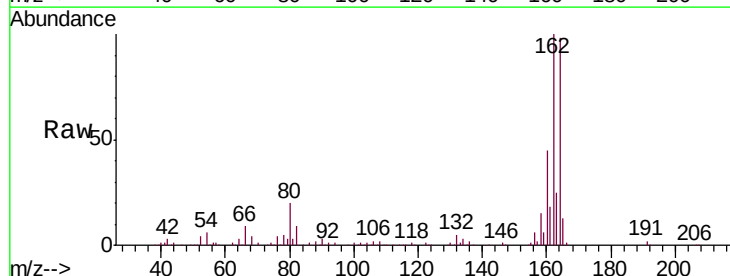


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

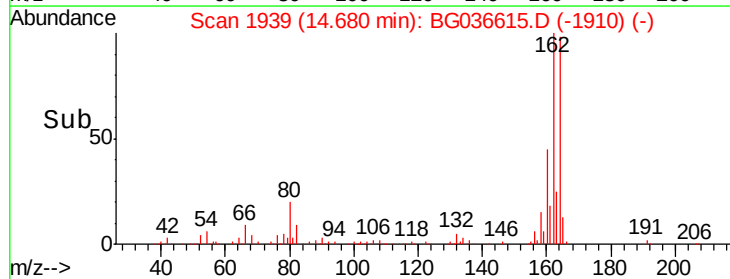
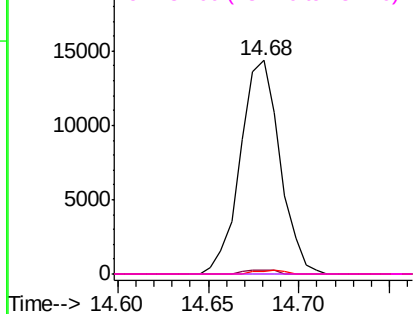


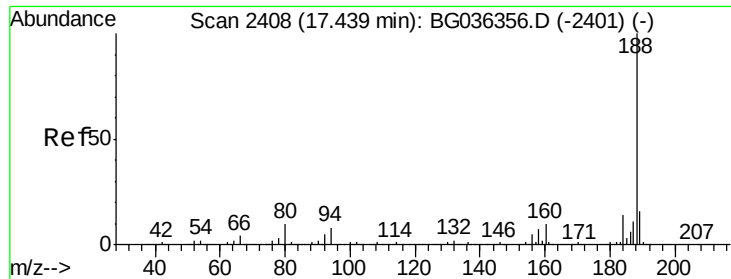
#56
2,4-Dinitrotoluene
Concen: 5.836 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG036615.D
Acq: 8 Sep 2018 3:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.1	60.1#
89	1.1	63.7	95.5#
182	0.0	2.5	3.7#



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

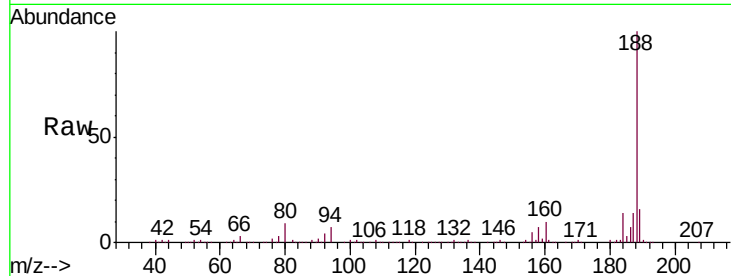




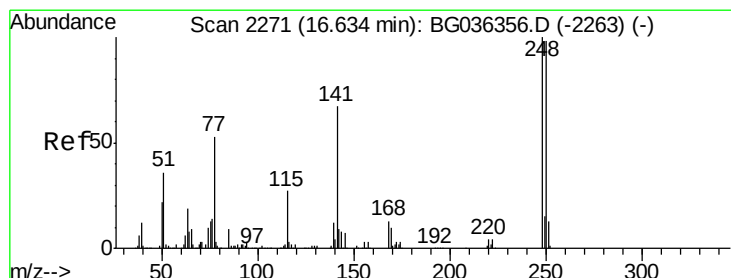
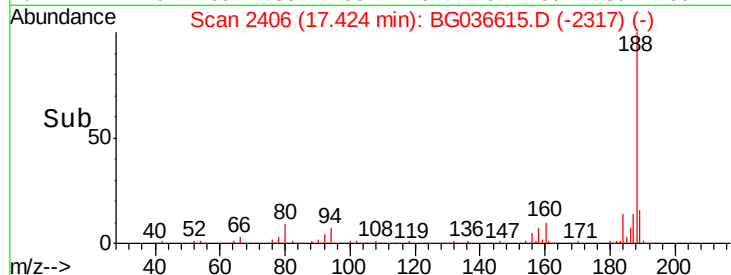
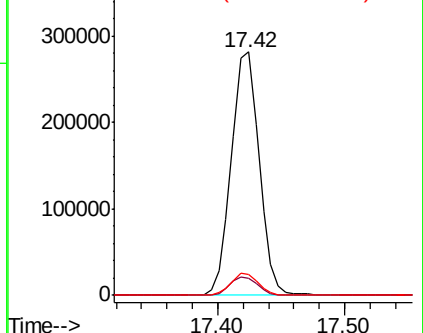
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.00 min
 Lab File: BG036615.D
 Acq: 8 Sep 2018 3:26

Instrument :
 BNA_G
 ClientSampleId :
 090418-TIPC-E-U-M

Tgt Ion:188 Resp: 429408
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.7 10.1
 80 8.7 8.1 12.1

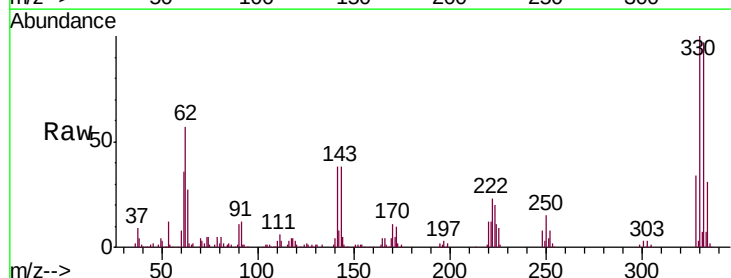


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

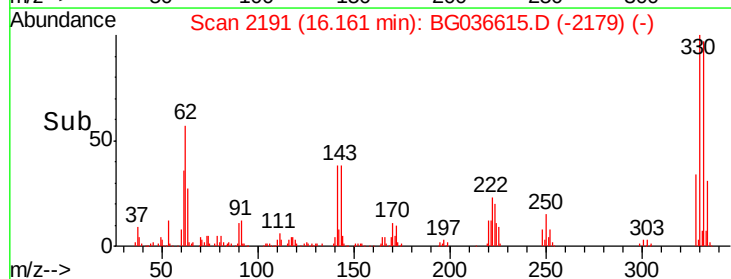
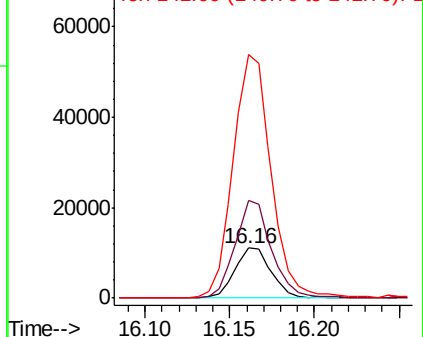


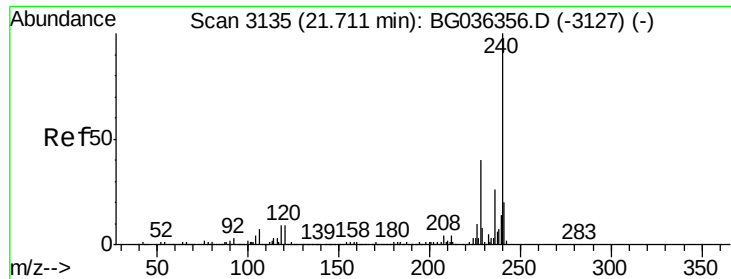
#66
 4-Bromophenyl-phenylether
 Concen: 3.314 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036615.D
 Acq: 8 Sep 2018 3:26

Tgt Ion:248 Resp: 16662
 Ion Ratio Lower Upper
 248 100
 250 193.9 78.1 117.1#
 141 484.6 53.7 80.5#



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: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

Instrument :

BNA_G

ClientSampleId :

090418-TIPC-E-U-M

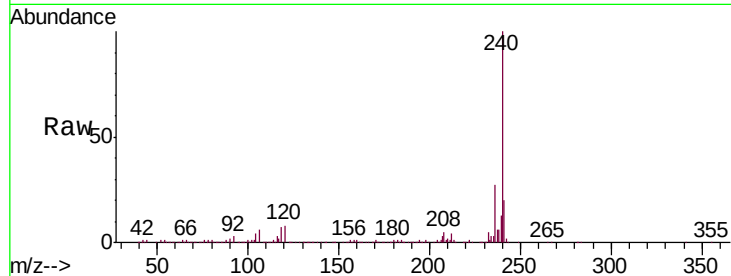
Tgt Ion:240 Resp: 429398

Ion Ratio Lower Upper

240 100

120 7.7 6.9 10.3

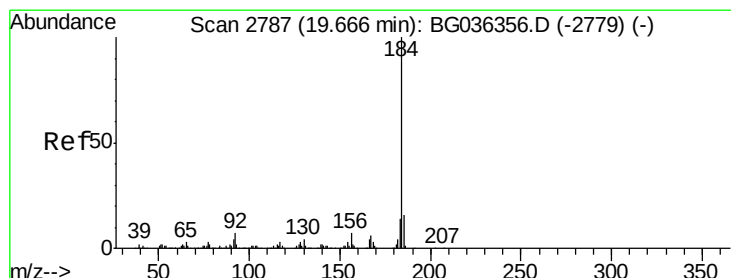
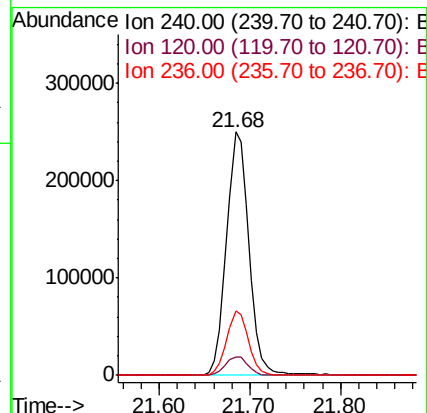
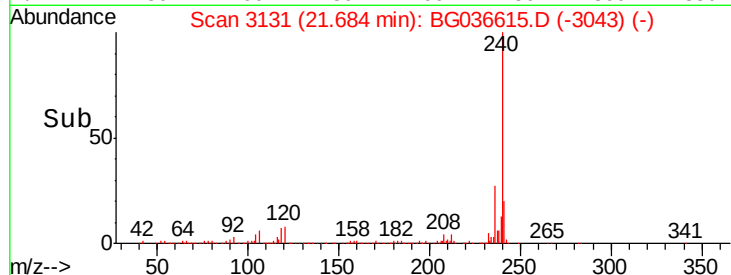
236 26.7 21.2 31.8



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: 2.324 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

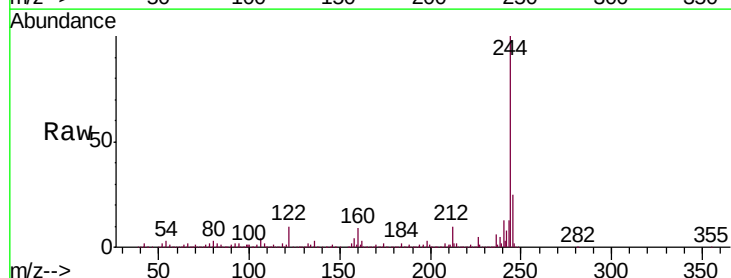
Tgt Ion:184 Resp: 31841

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

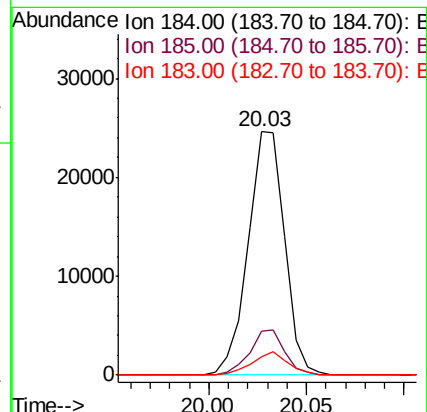
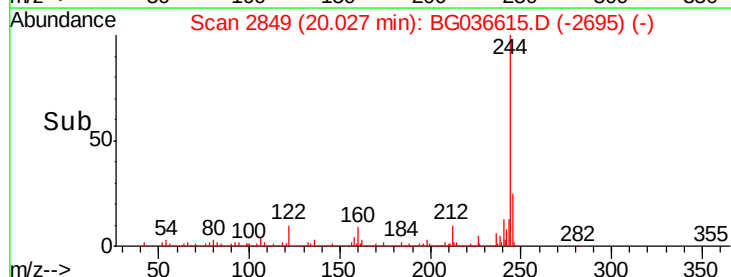
183 7.5 10.9 16.3#

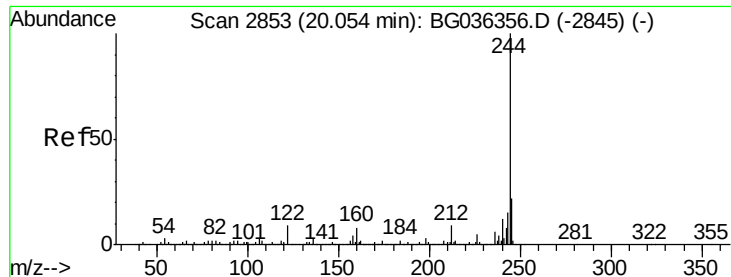


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.371 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

Instrument :

BNA_G

ClientSampleId :

090418-TIPC-E-U-M

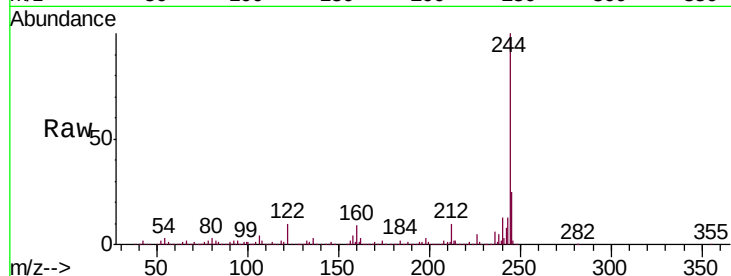
Tgt Ion:244 Resp: 1788820

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.6
122	9.8	7.1	10.7

244 100

212 9.6 7.0 10.6

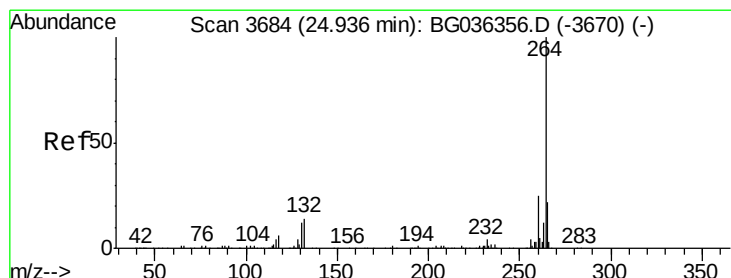
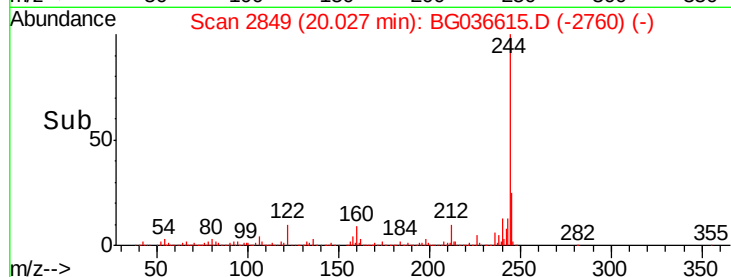
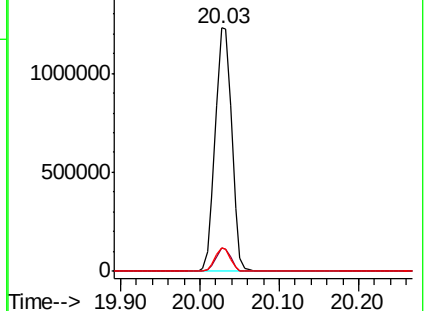
122 9.8 7.1 10.7



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: 24.90 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG036615.D

Acq: 8 Sep 2018 3:26

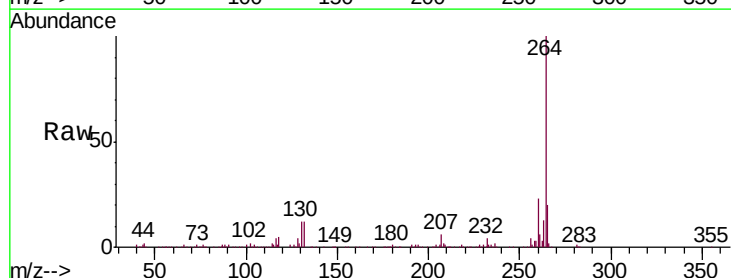
Tgt Ion:264 Resp: 413701

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	20.2	17.4	26.0

264 100

260 23.1 19.6 29.4

265 20.2 17.4 26.0



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

