

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036409.D
 Acq On : 24 Aug 2018 11:49
 Operator : JU/SJ
 Sample : J4568-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 13:35:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

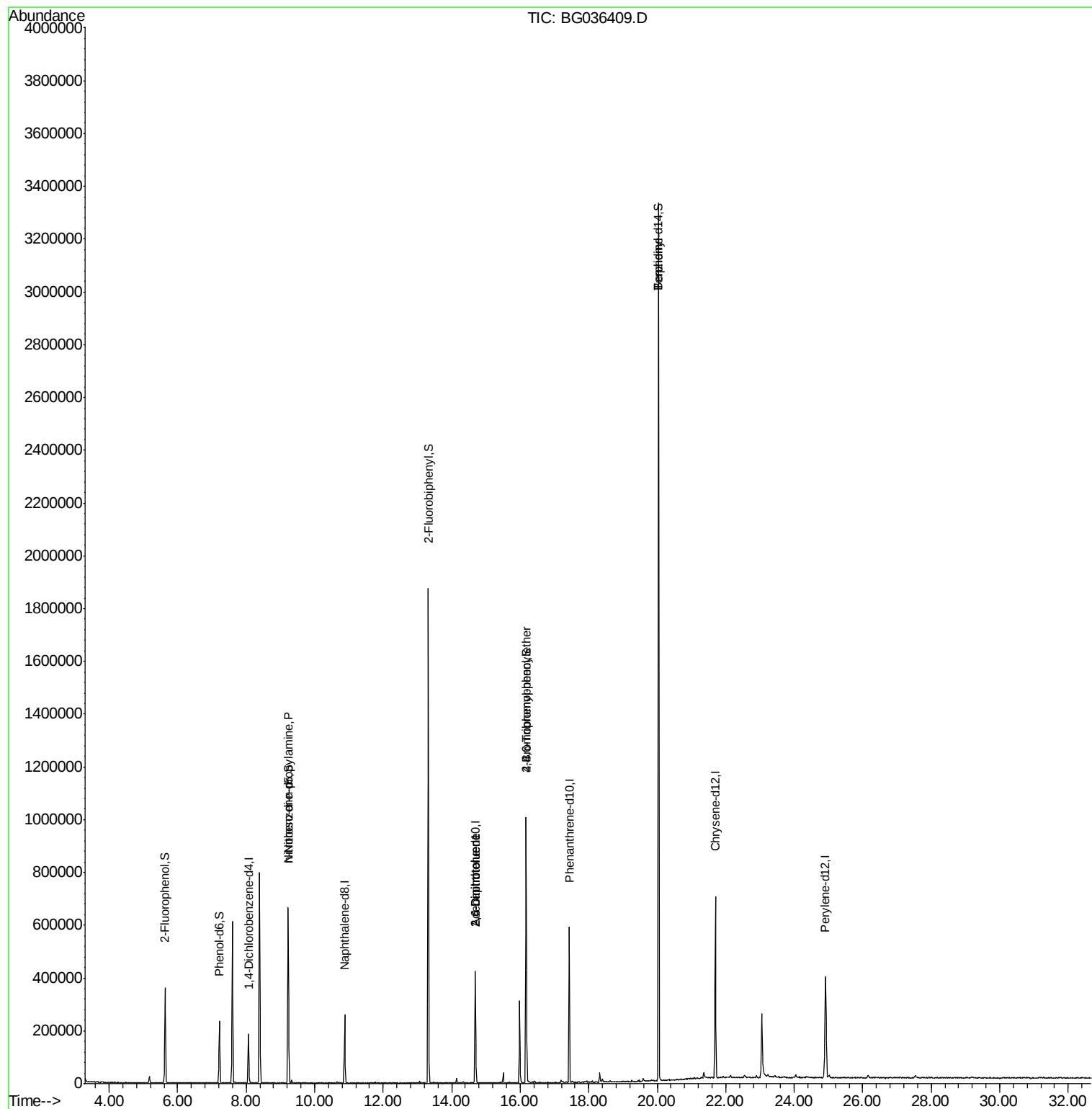
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	52138	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	212718	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	141501	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	359940	20.00	ng	0.00
75) Chrysene-d12	21.70	240	407519	20.00	ng	-0.01
86) Perylene-d12	24.91	264	412088	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	150525	45.80	ng	0.00
7) Phenol-d6	7.21	99	131798	28.01	ng	0.00
23) Nitrobenzene-d5	9.23	82	406591	103.71	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	179381	106.24	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	948318	95.69	ng	0.00
78) Terphenyl-d14	20.04	244	1524304	87.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54831	15.590	ng	# 69
50) 2,6-Dinitrotoluene	14.69	165	17567	7.389	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	17567	5.669	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	12341	2.928	ng	# 1
76) Benzidine	20.04	184	27715	2.132	ng	# 92

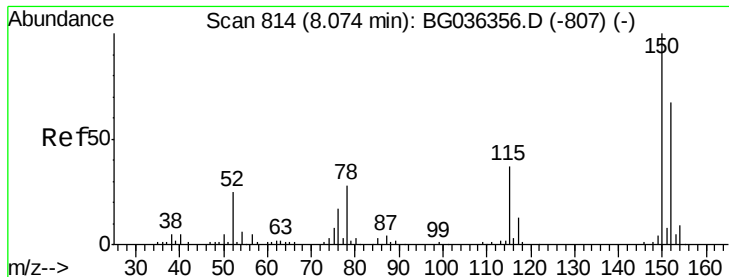
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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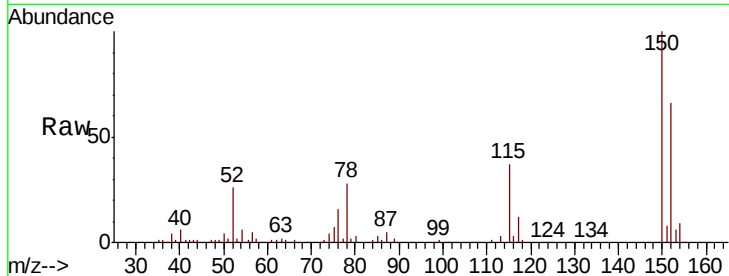


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	119.5	179.3
115	56.2	44.5	66.7

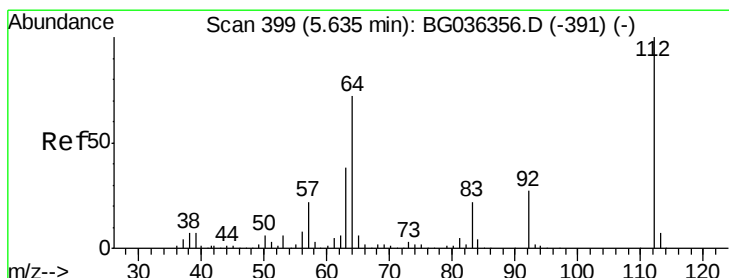
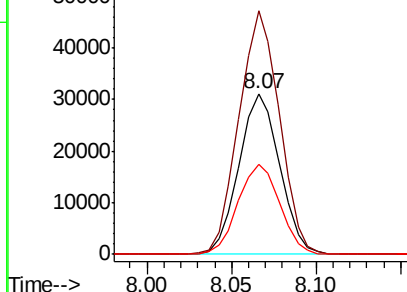
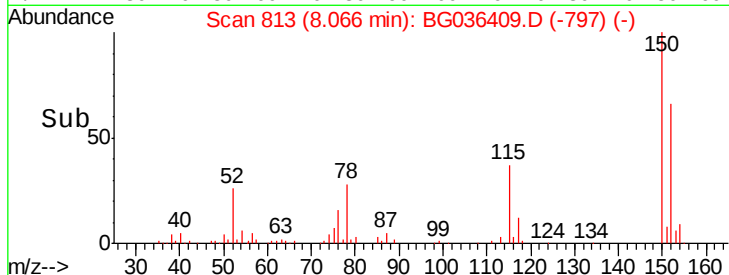


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

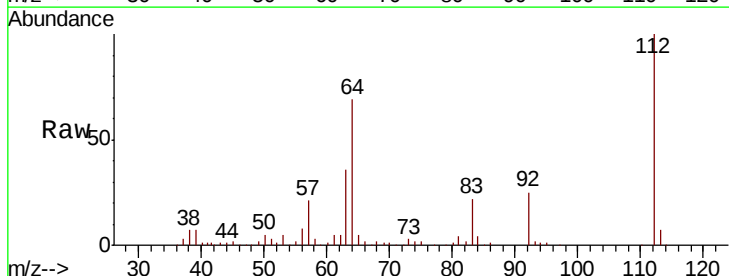
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 45.797 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	57.2	85.8
63	36.3	30.8	46.2

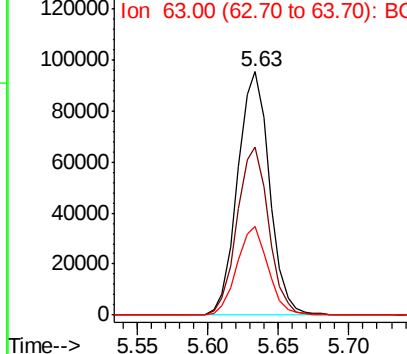
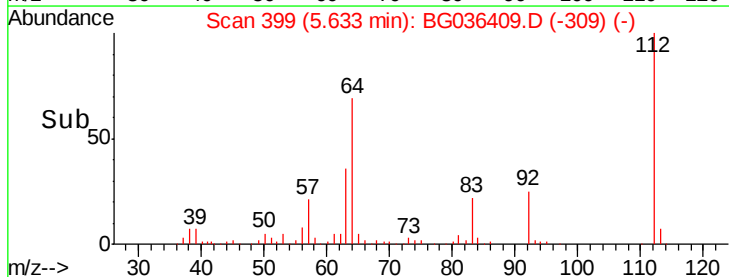


Abundance

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: 28.007 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036409.D

Acq: 24 Aug 2018 11:49

Instrument :

BNA_G

ClientSampled :

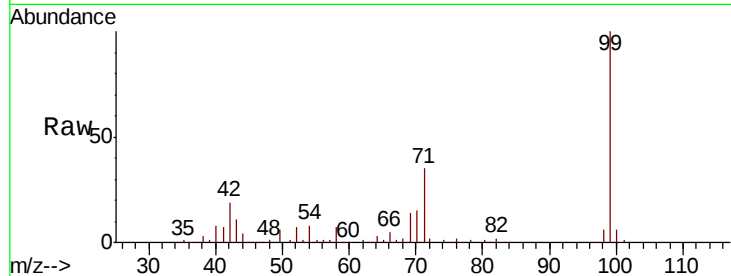
Tot Ion: 99 Resp: 131798

Ion Ratio Lower Upper

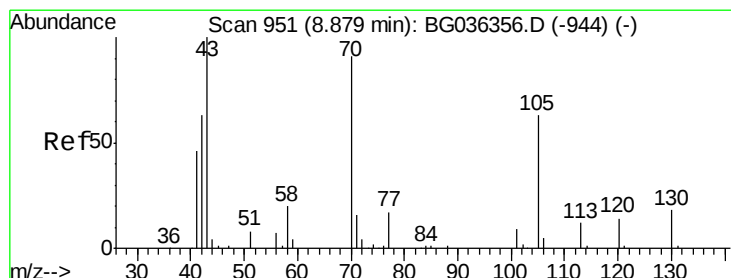
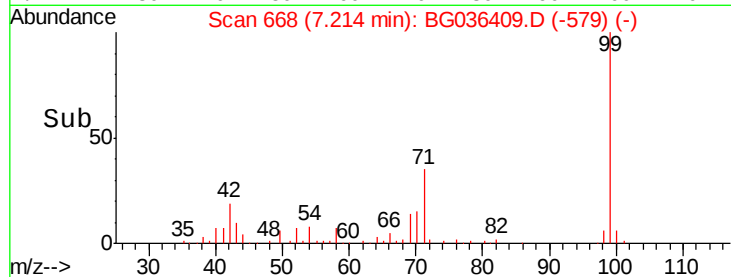
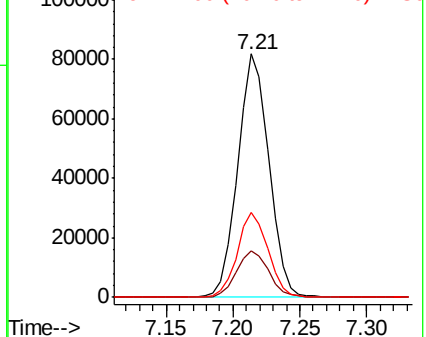
99 100

42 18.9 16.5 24.7

71 34.7 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: 15.590 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG036409.D

Acq: 24 Aug 2018 11:49

Tgt Ion: 70 Resp: 54831

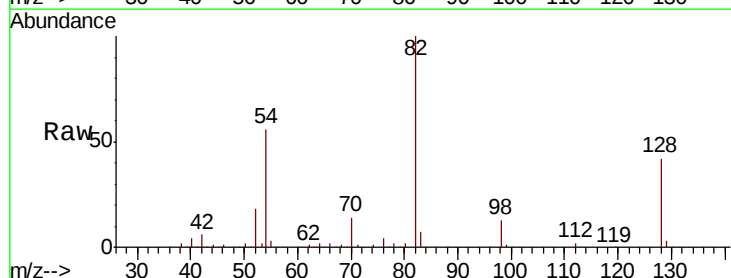
Ion Ratio Lower Upper

70 100

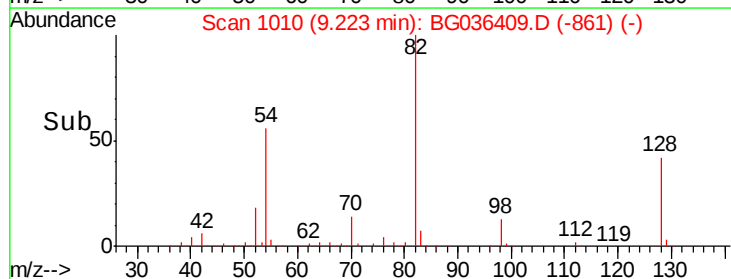
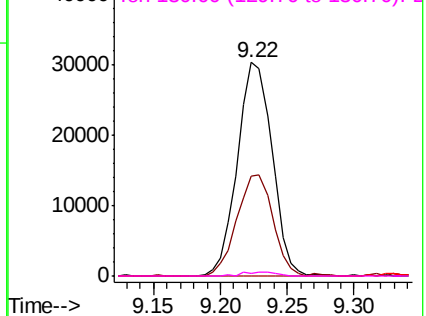
42 46.8 56.2 84.4#

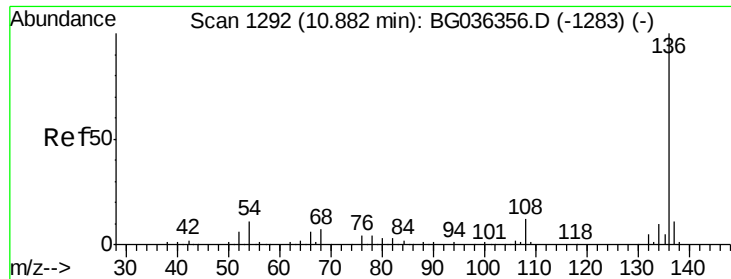
101 0.0 7.8 11.6#

130 1.5 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

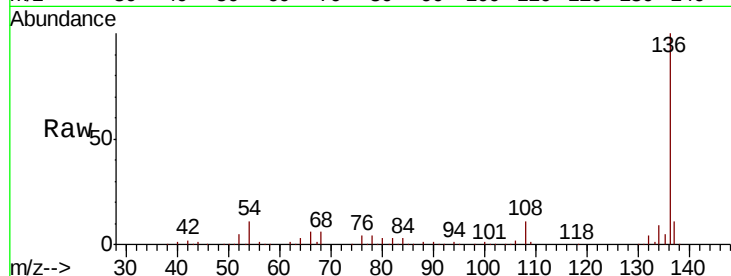




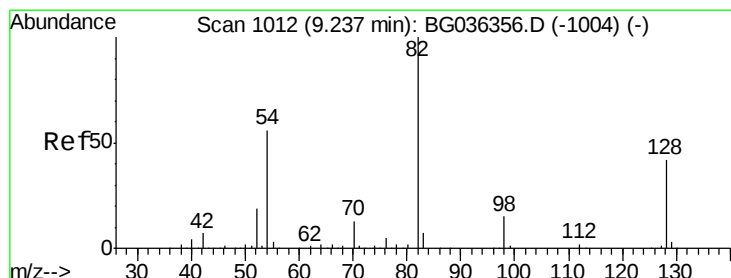
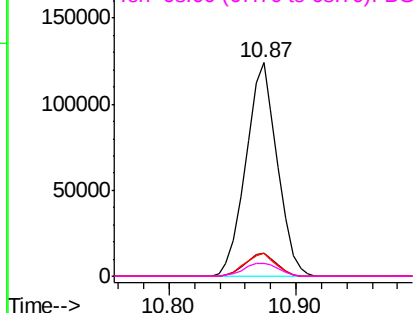
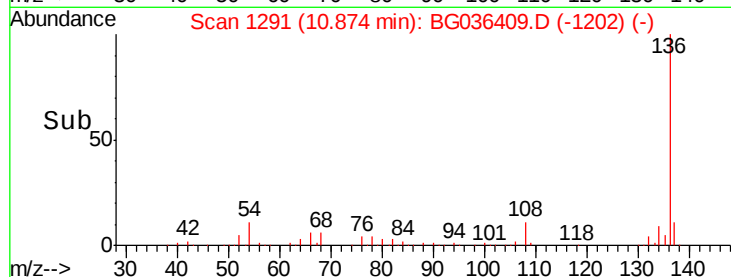
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036409.D
Acq: 24 Aug 2018 11:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	212718
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	11.1	9.2 13.8
68	6.2	5.8 8.6

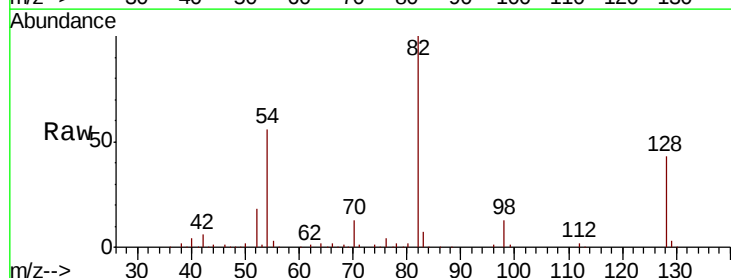


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

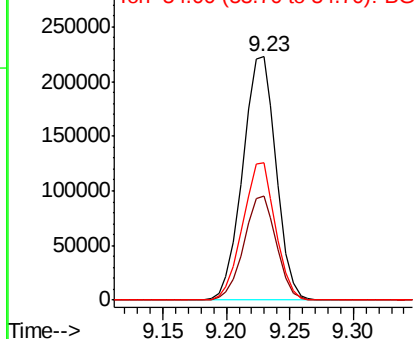
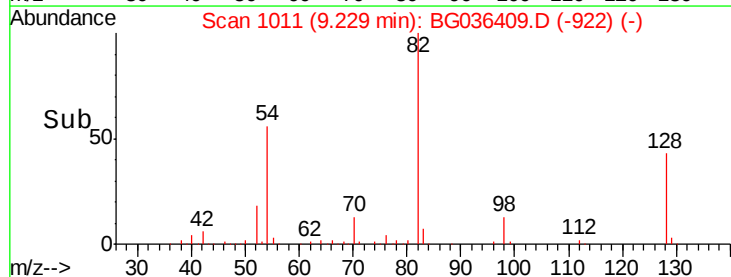


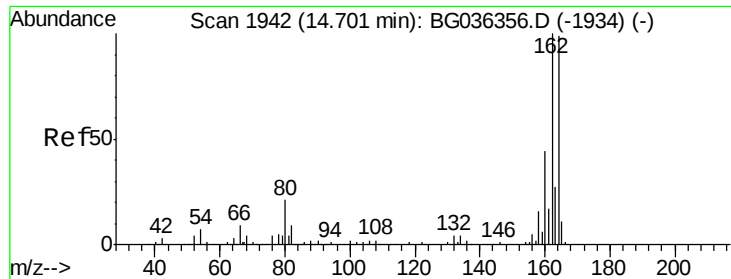
#23
Nitrobenzene-d5
Concen: 103.707 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036409.D
Acq: 24 Aug 2018 11:49

Tgt Ion: 82	Resp:	406591
Ion	Ratio	Lower Upper
82	100	
128	42.6	33.3 49.9
54	56.4	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

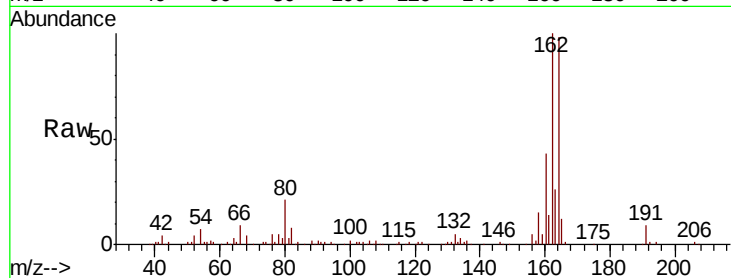




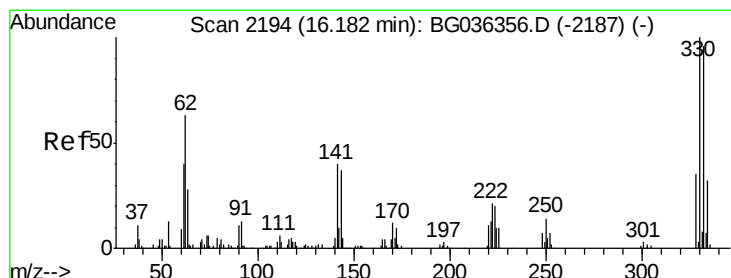
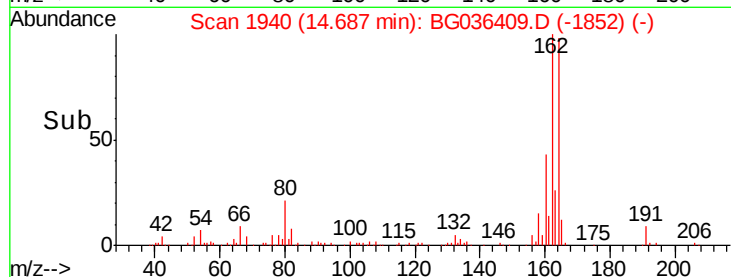
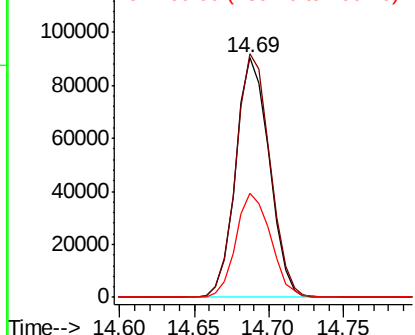
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 141501
 Ion Ratio Lower Upper
 164 100
 162 101.8 80.7 121.1
 160 43.7 35.3 52.9

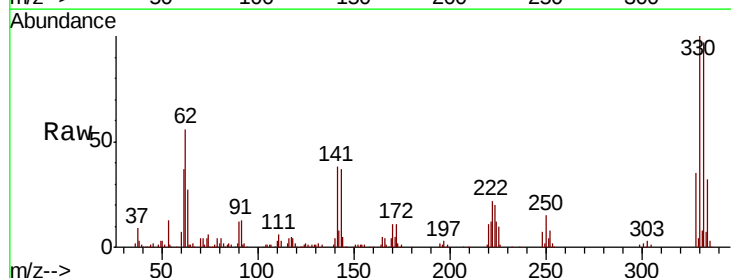


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

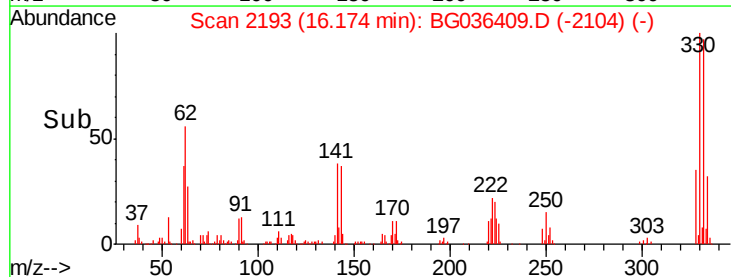
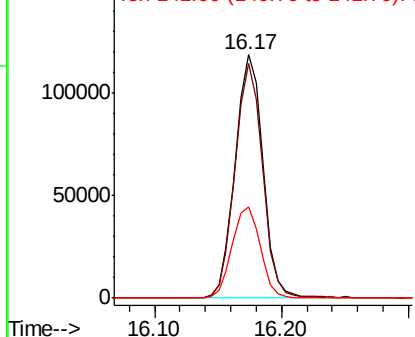


#41
 2,4,6-Tribromophenol
 Concen: 106.242 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Tgt Ion:330 Resp: 179381
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.4 113.2
 141 38.3 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

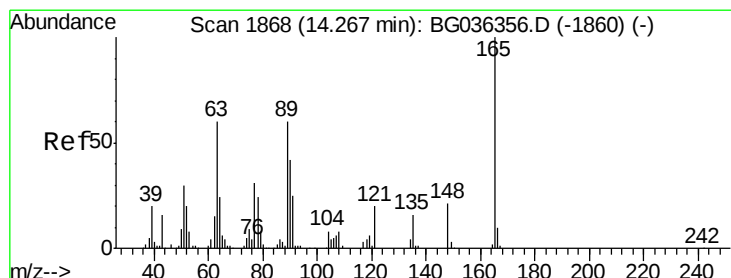
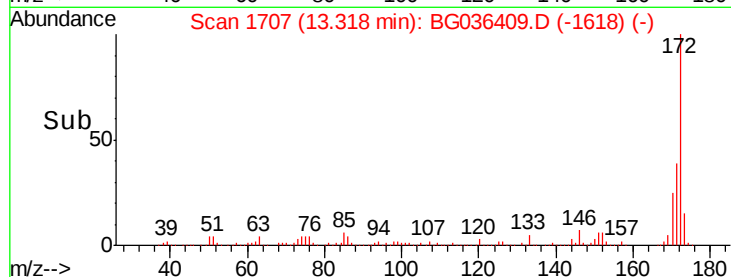
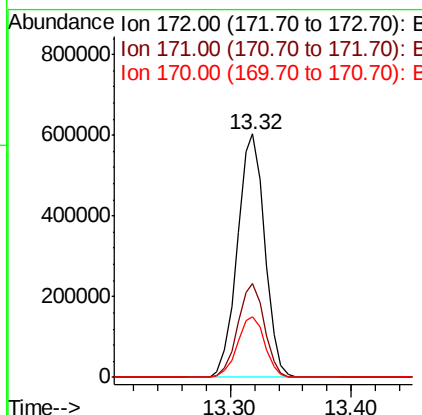
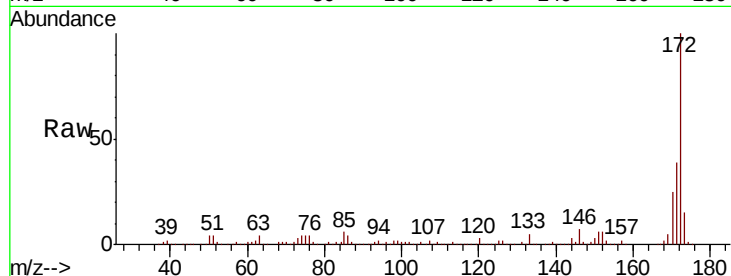




#44
 2-Fluorobiphenyl
 Concen: 95.690 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

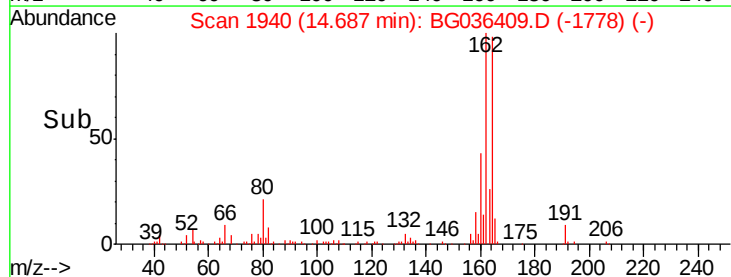
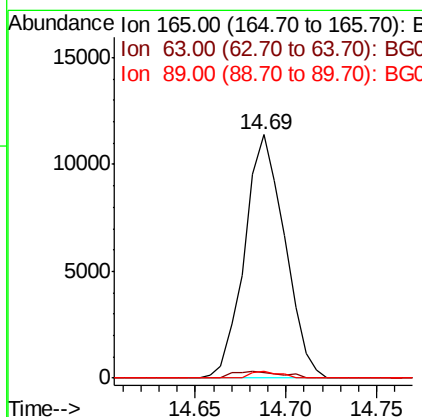
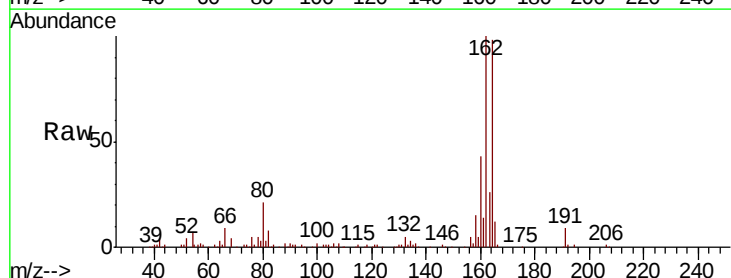
Instrument :
 BNA_G
 ClientSampleId :

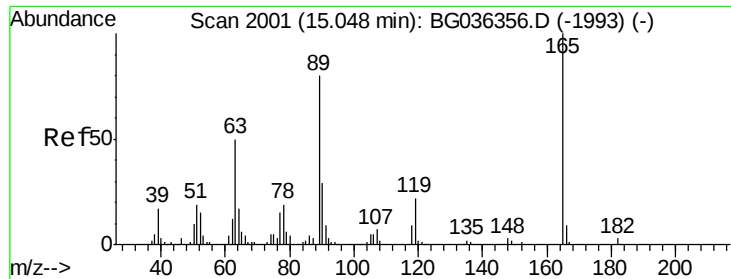
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	25.1	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.389 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	50.1	75.1#
89	2.9	47.8	71.6#

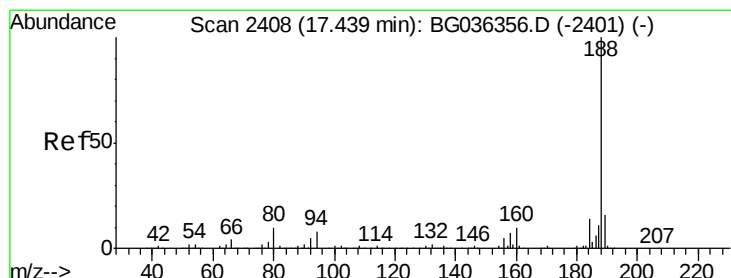
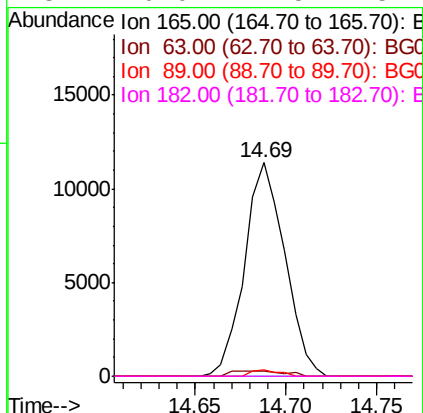
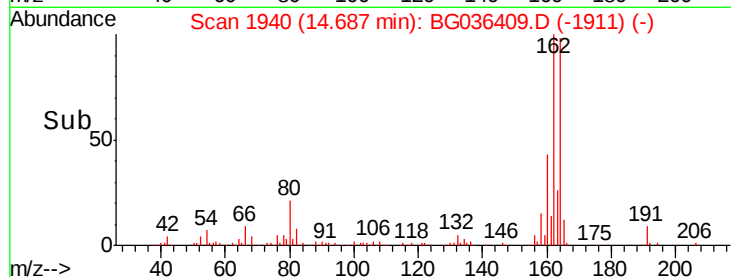
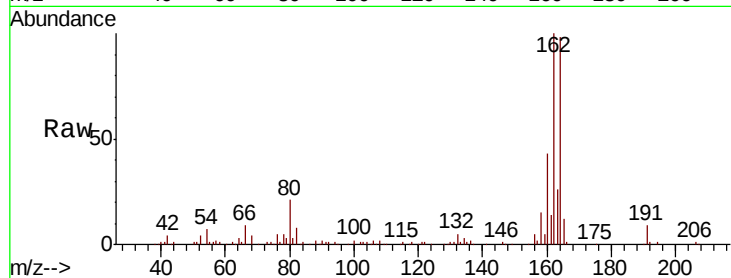




#56
 2,4-Dinitrotoluene
 Concen: 5.669 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

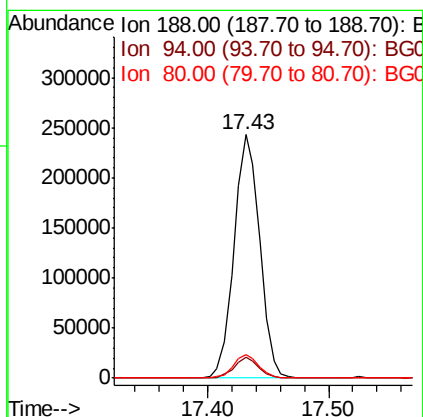
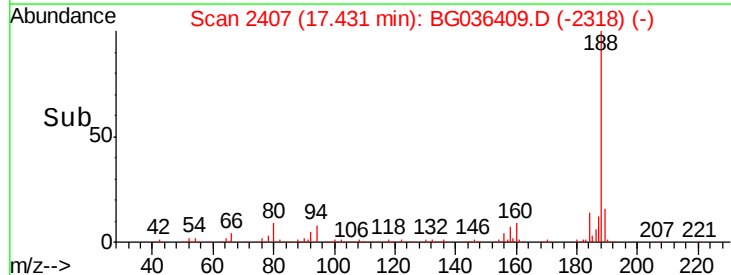
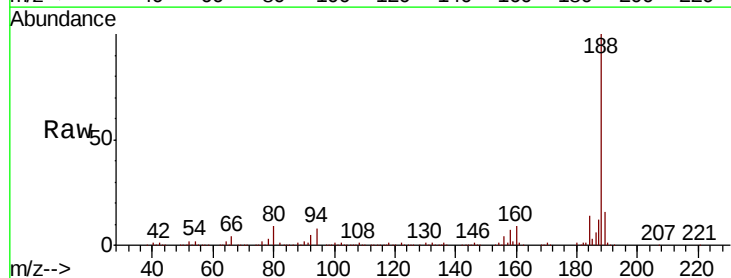
Instrument :
 BNA_G
 ClientSampleId :

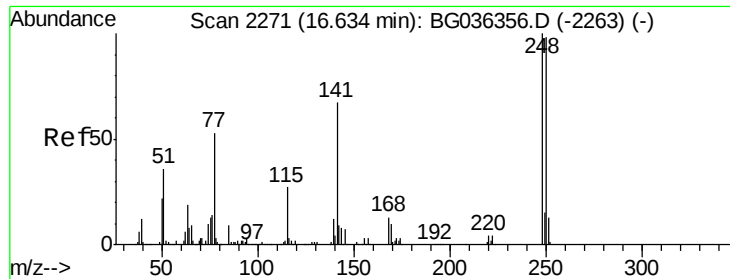
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.1	60.1#
89	2.9	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036409.D
 Acq: 24 Aug 2018 11:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	9.5	8.1	12.1

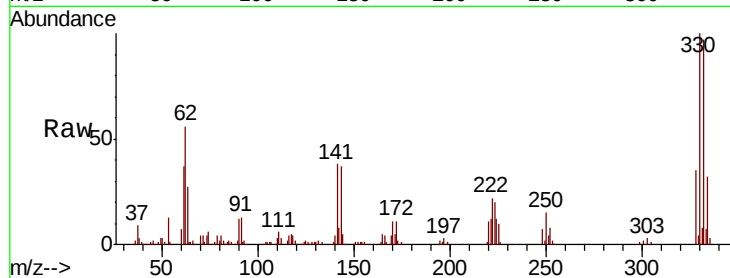




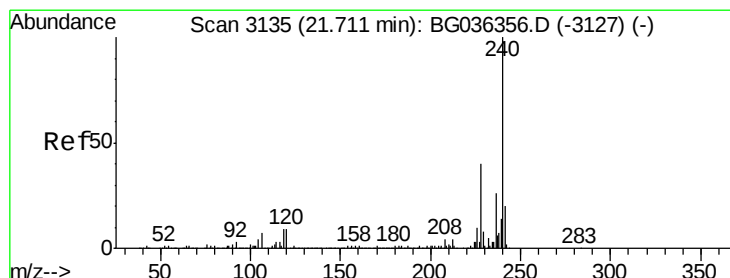
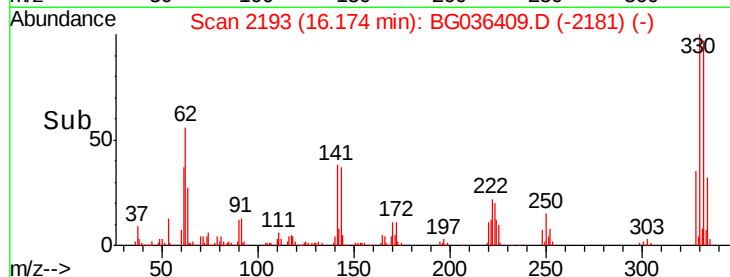
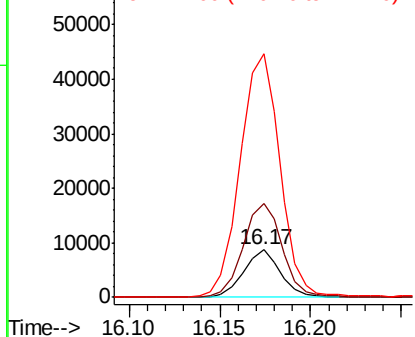
#66
4-Bromophenyl-phenylether
Concen: 2.928 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG036409.D
Acq: 24 Aug 2018 11:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 12341
Ion Ratio Lower Upper
248 100
250 197.7 78.1 117.1#
141 513.8 53.7 80.5#

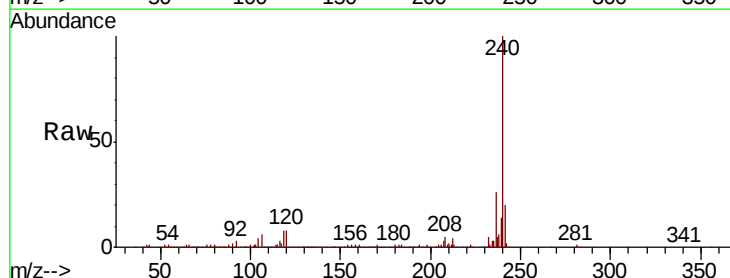


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

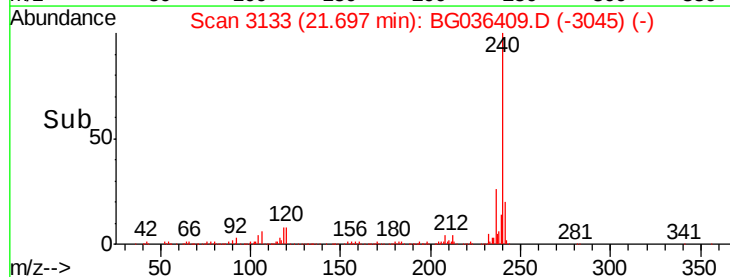
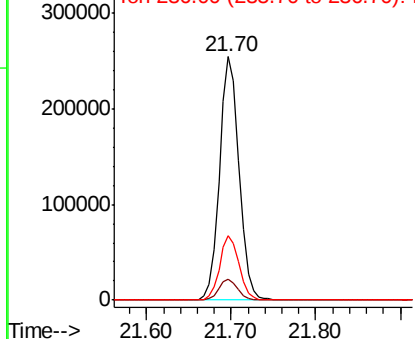


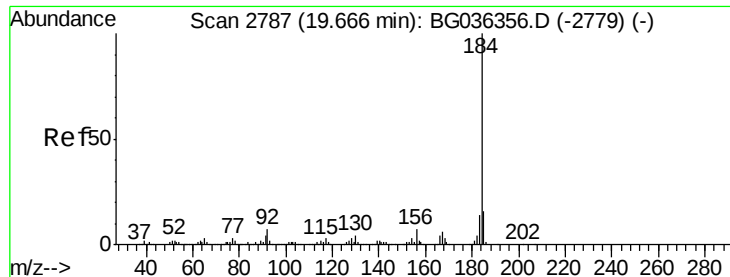
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG036409.D
Acq: 24 Aug 2018 11:49

Tgt Ion:240 Resp: 407519
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.3 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: 2.132 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG036409.D

Acq: 24 Aug 2018 11:49

Instrument :

BNA_G

ClientSampleId :

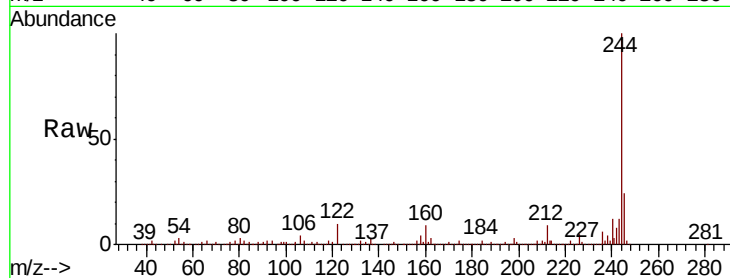
Tot Ion:184 Resp: 27715

Ion Ratio Lower Upper

184 100

185 15.3 12.6 18.8

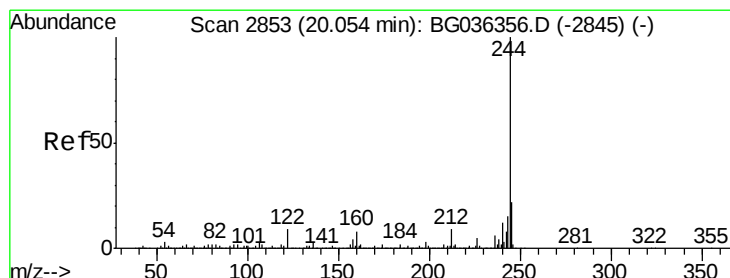
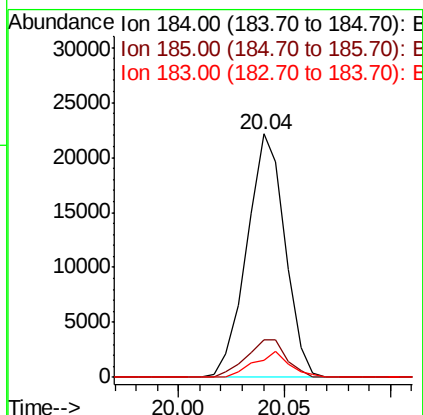
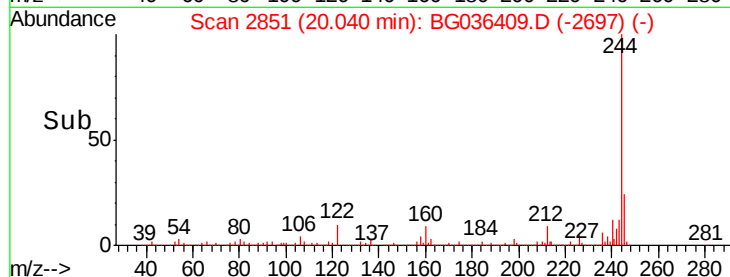
183 7.2 10.9 16.3#



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: 87.427 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG036409.D

Acq: 24 Aug 2018 11:49

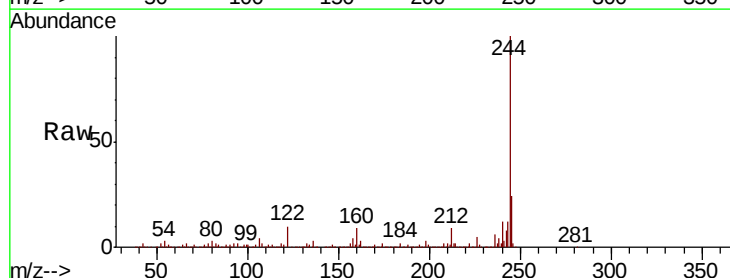
Tgt Ion:244 Resp: 1524304

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

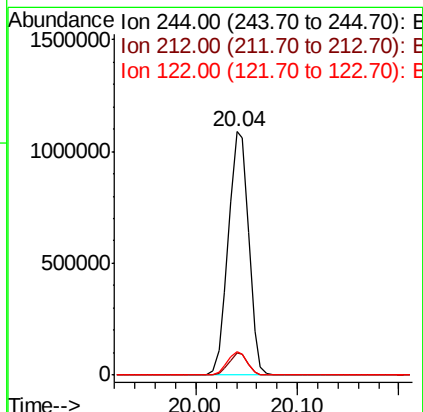
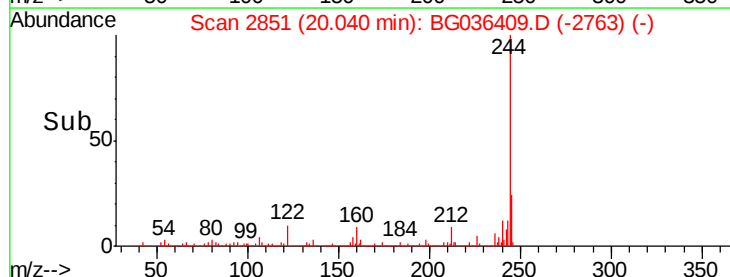
122 9.6 7.1 10.7

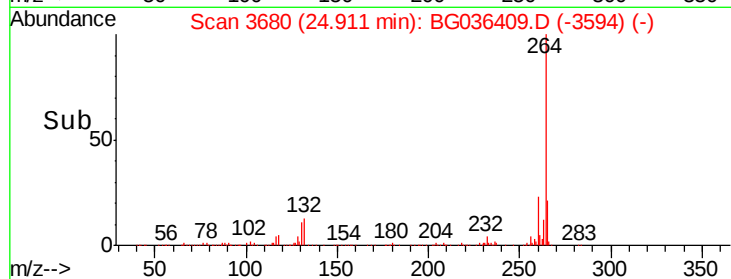
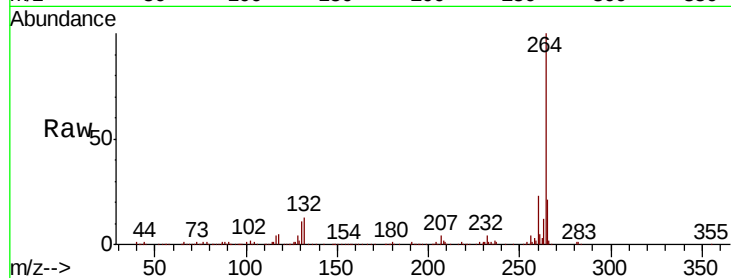
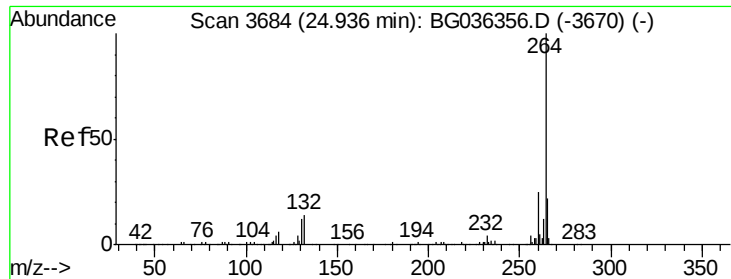


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlone-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.03 min

Lab File: BG036409.D

Acq: 24 Aug 2018 11:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 412088

Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 21.3 17.4 26.0

