

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036413.D
 Acq On : 24 Aug 2018 14:24
 Operator : JU/SJ
 Sample : PB112252BL
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 15:05:38 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

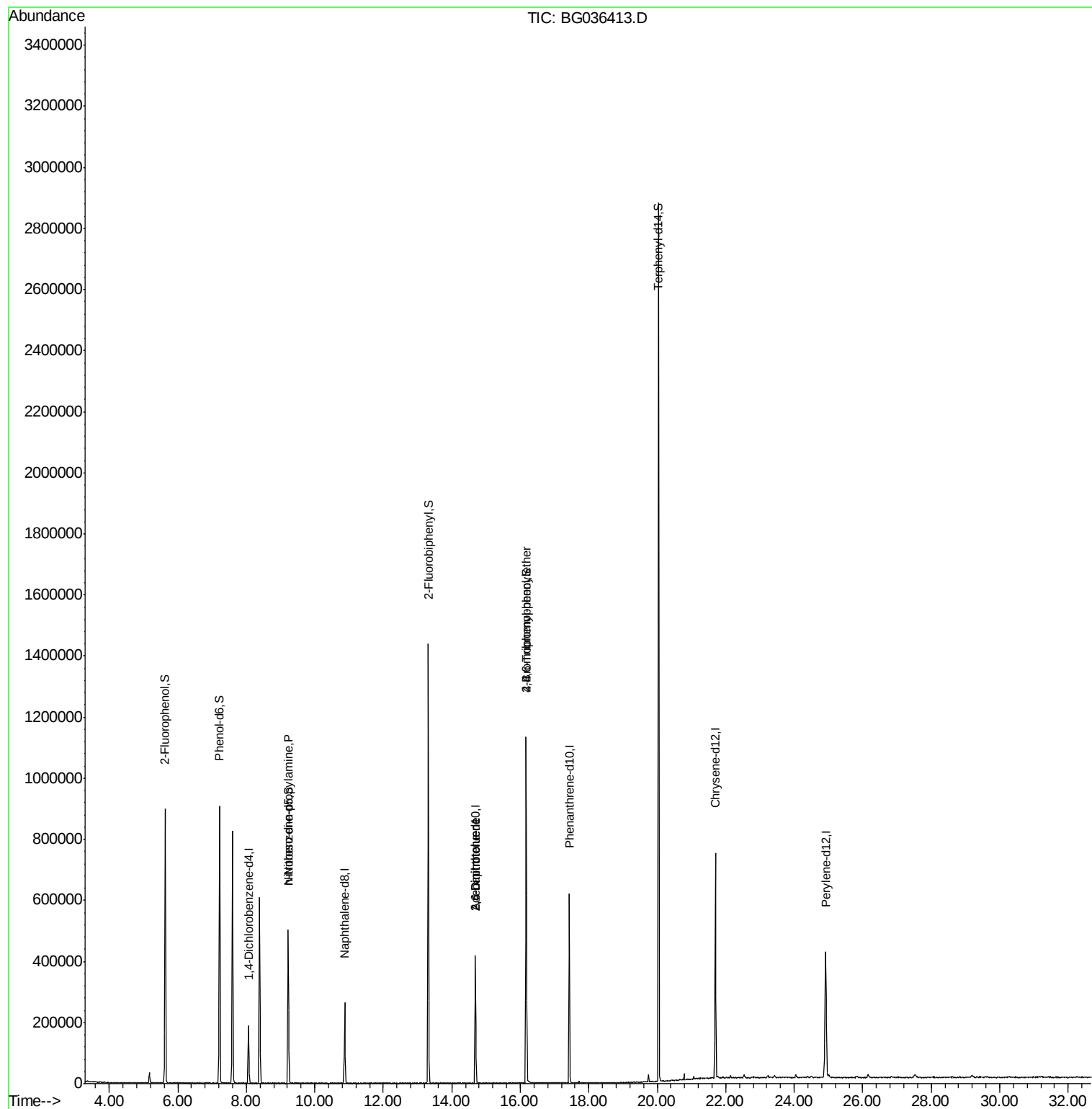
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	53718	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	221534	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	145376	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	383732	20.00	ng	0.00
75) Chrysene-d12	21.70	240	443513	20.00	ng	-0.02
86) Perylene-d12	24.92	264	446985	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	366913	108.35	ng	0.00
7) Phenol-d6	7.22	99	508470	104.87	ng	0.00
23) Nitrobenzene-d5	9.23	82	295819	72.45	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	201760	116.31	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	726999	71.40	ng	0.00
78) Terphenyl-d14	20.04	244	1358558	71.60	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	39793	10.982	ng	# 76
50) 2,6-Dinitrotoluene	14.69	165	19409	7.946	ng	# 20
56) 2,4-Dinitrotoluene	14.69	165	19409	6.097	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	14567	3.242	ng	# 1

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

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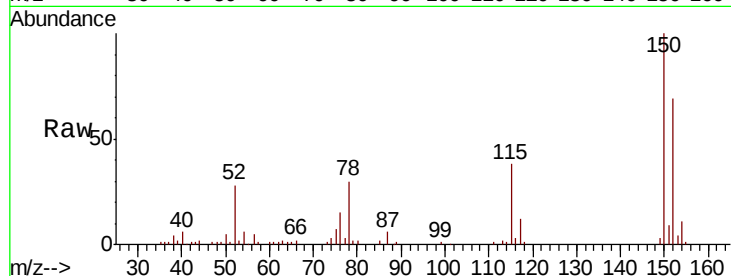




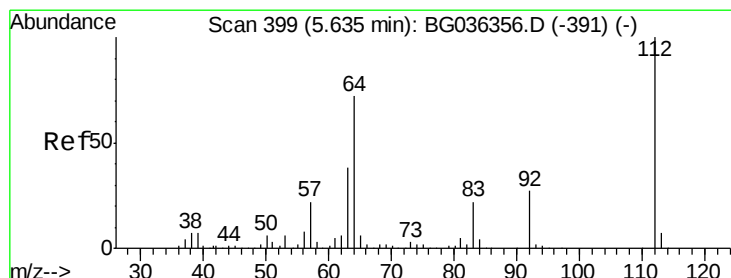
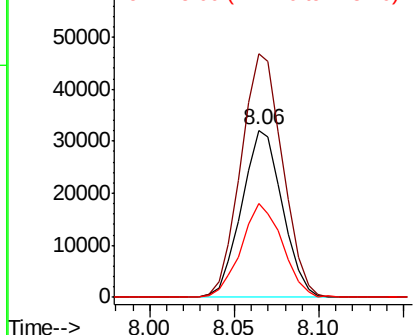
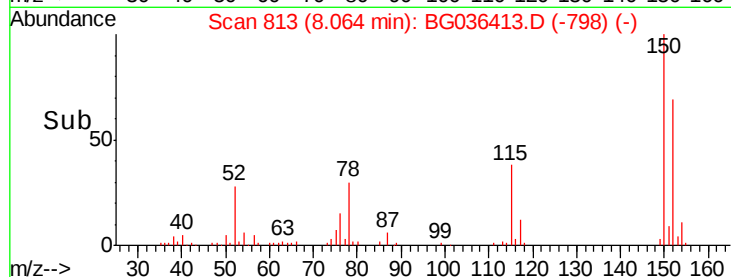
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 53718
 Ion Ratio Lower Upper
 152 100
 150 145.9 119.5 179.3
 115 55.9 44.5 66.7

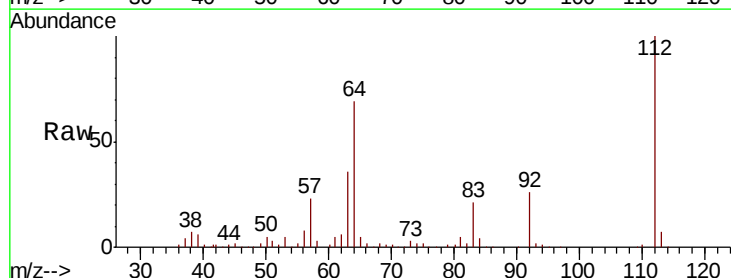


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

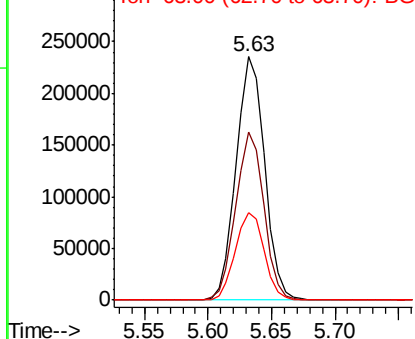
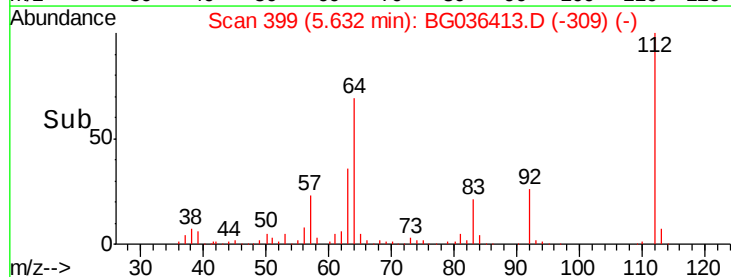


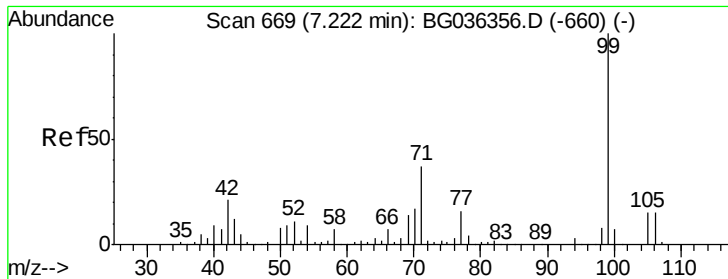
#5
 2-Fluorophenol
 Concen: 108.350 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Tgt Ion:112 Resp: 366913
 Ion Ratio Lower Upper
 112 100
 64 68.8 57.2 85.8
 63 35.7 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: 104.872 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

Instrument :

BNA_G

ClientSampleId :

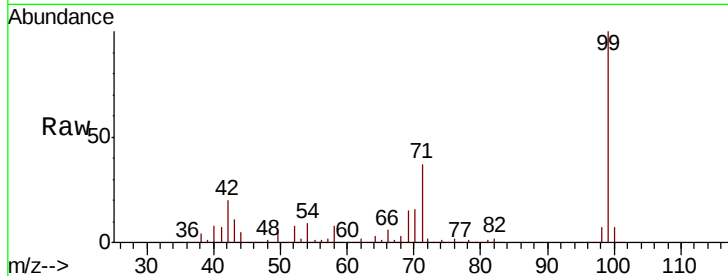
Tot Ion: 99 Resp: 508470

Ion Ratio Lower Upper

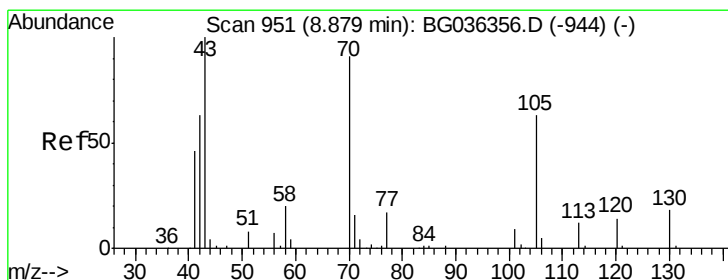
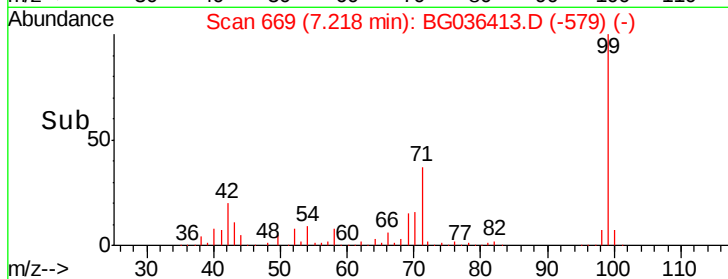
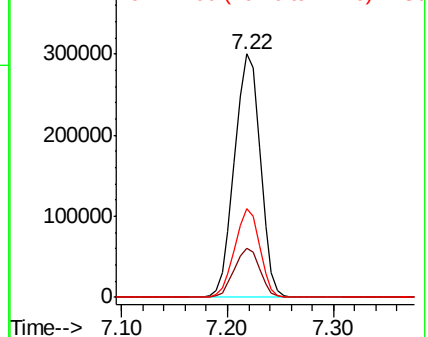
99 100

42 20.3 16.5 24.7

71 36.6 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: 10.982 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

Tgt Ion: 70 Resp: 39793

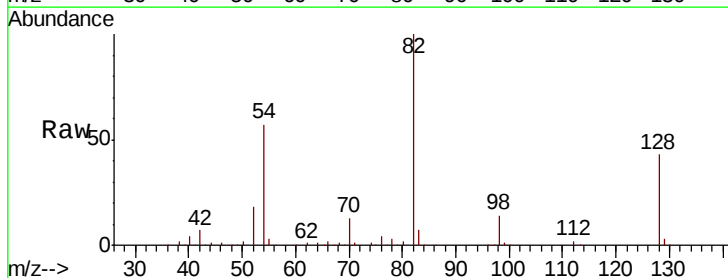
Ion Ratio Lower Upper

70 100

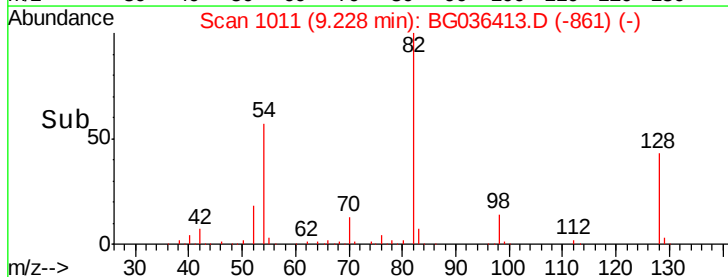
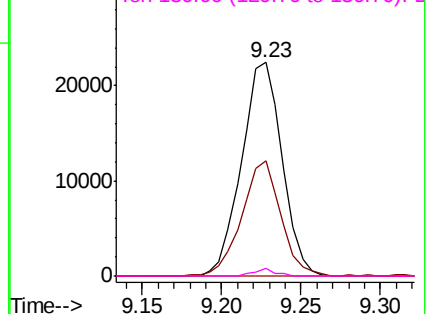
42 53.7 56.2 84.4#

101 0.0 7.8 11.6#

130 3.5 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

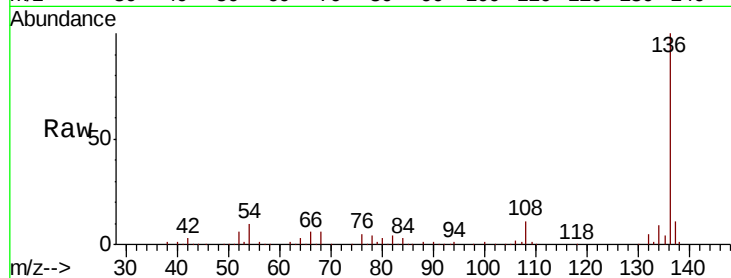




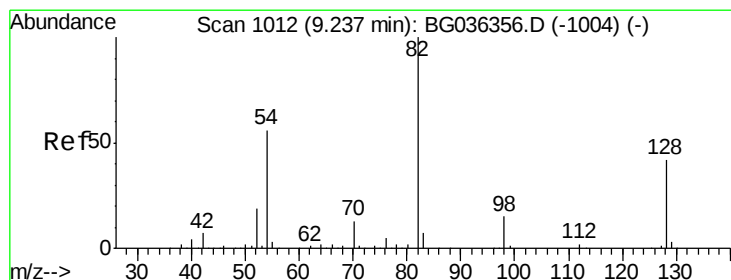
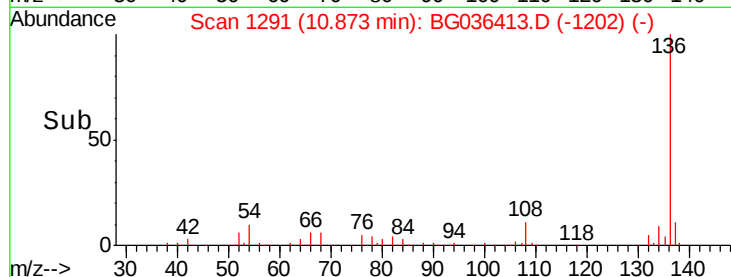
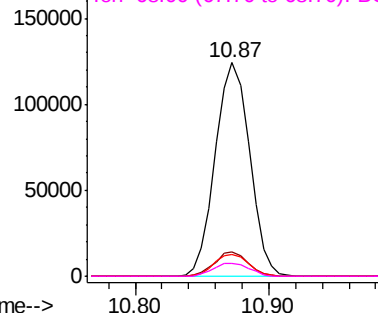
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036413.D
Acq: 24 Aug 2018 14:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	221534
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.8 13.2
54	10.1	9.2 13.8
68	6.2	5.8 8.6

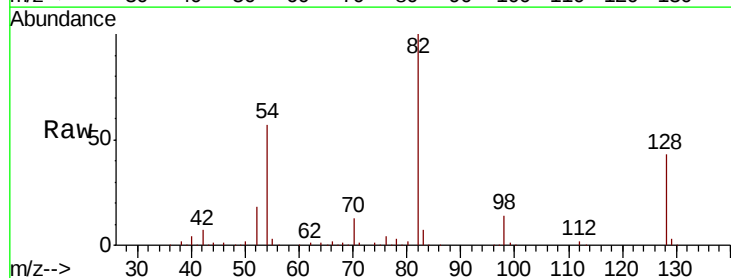


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

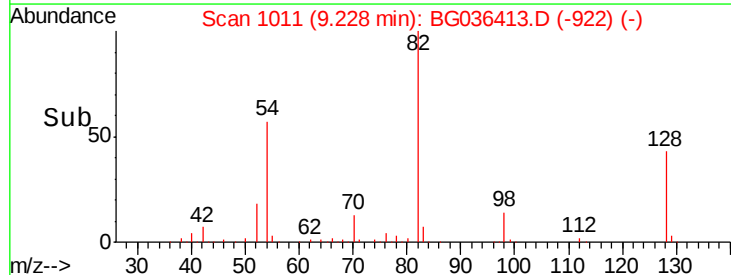
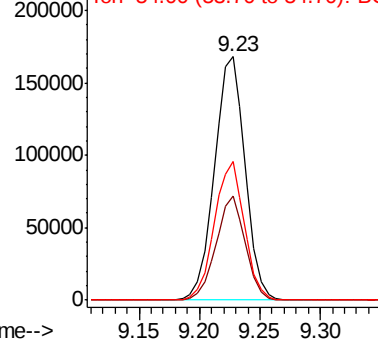


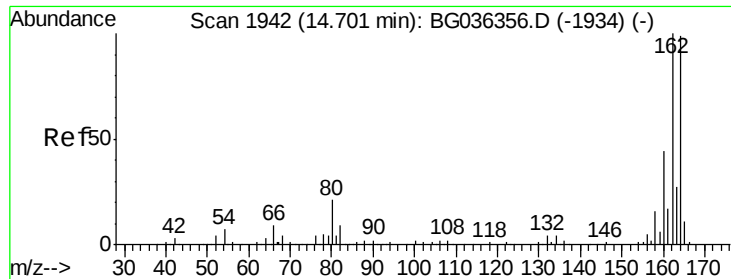
#23
Nitrobenzene-d5
Concen: 72.450 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036413.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 82	Resp:	295819
Ion Ratio	Lower	Upper
82	100	
128	42.7	33.3 49.9
54	57.0	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

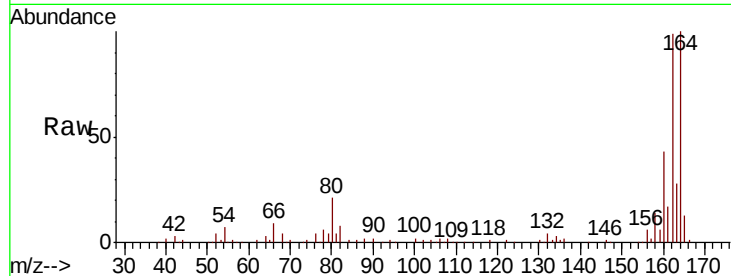




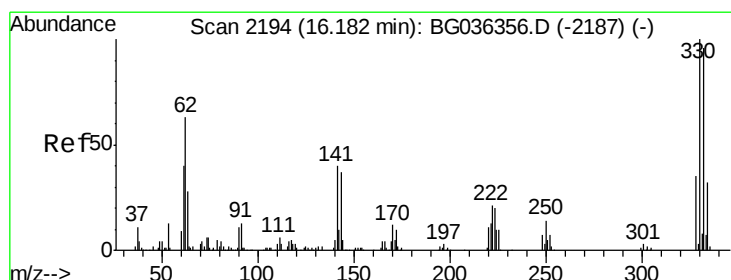
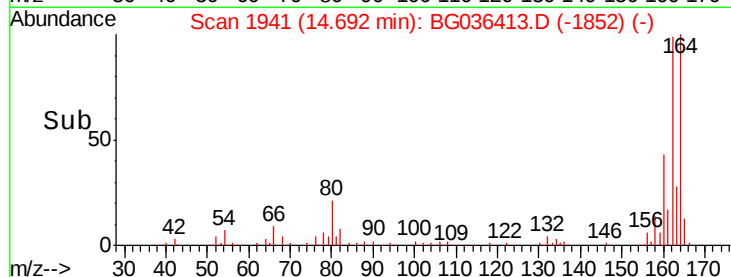
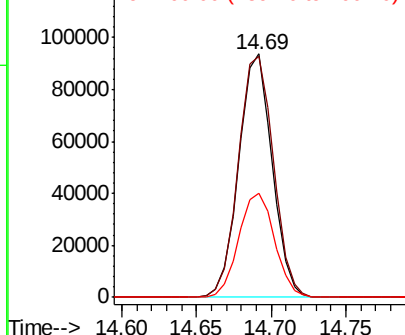
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036413.D
Acq: 24 Aug 2018 14:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 145376
Ion Ratio Lower Upper
164 100
162 98.9 80.7 121.1
160 42.8 35.3 52.9

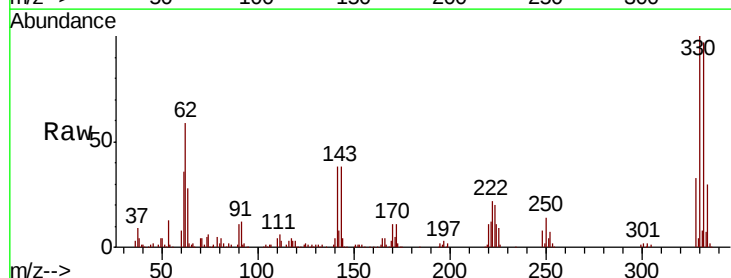


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

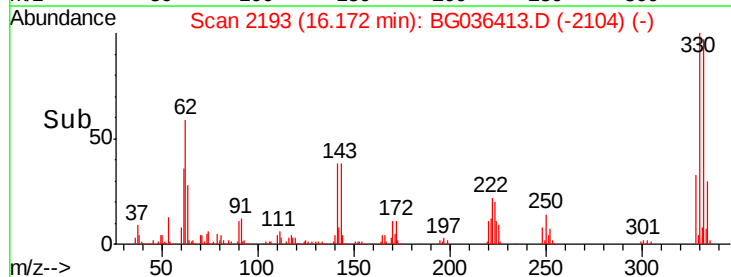
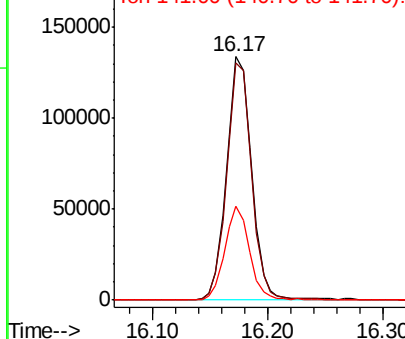


#41
2,4,6-Tribromophenol
Concen: 116.311 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG036413.D
Acq: 24 Aug 2018 14:24

Tgt Ion:330 Resp: 201760
Ion Ratio Lower Upper
330 100
332 96.8 75.4 113.2
141 37.7 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: 71.403 ng

RT: 13.32 min Scan# 1707

Delta R.T. -0.01 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

Instrument :

BNA_G

ClientSampleId :

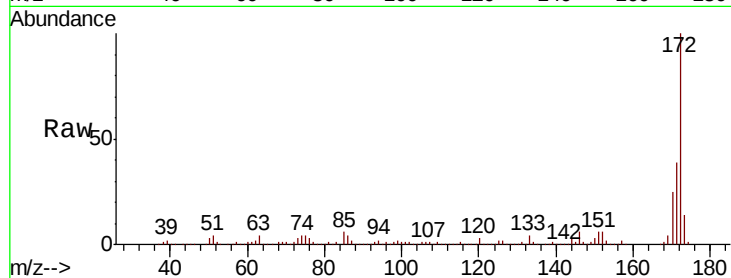
Tot Ion:172 Resp: 726999

Ion Ratio Lower Upper

172 100

171 39.1 31.3 46.9

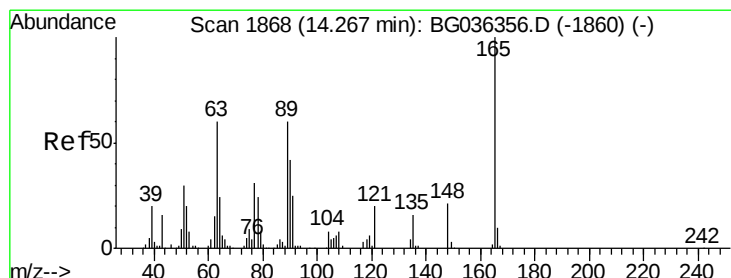
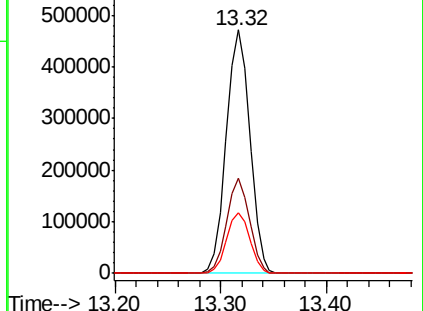
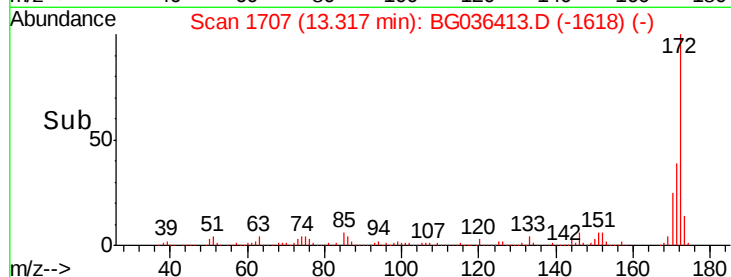
170 24.8 21.0 31.6



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



#50

2,6-Dinitrotoluene

Concen: 7.946 ng

RT: 14.69 min Scan# 1941

Delta R.T. 0.43 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

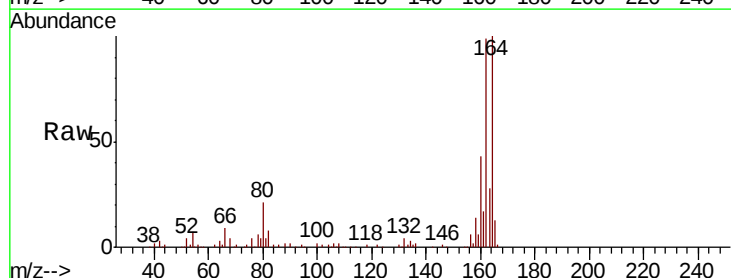
Tgt Ion:165 Resp: 19409

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

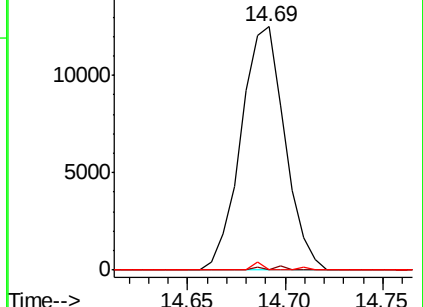
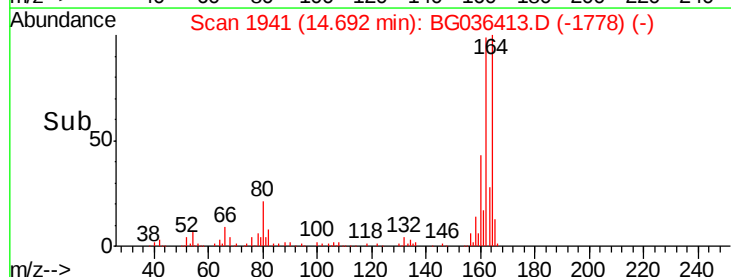
89 0.0 47.8 71.6#

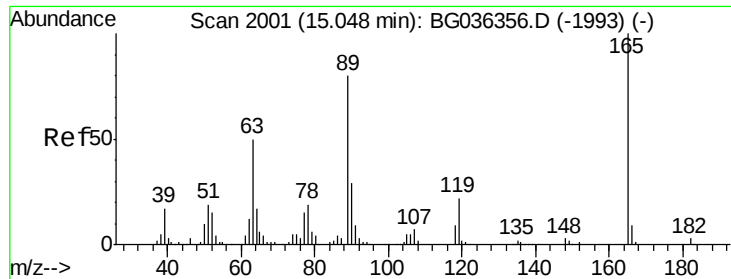


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

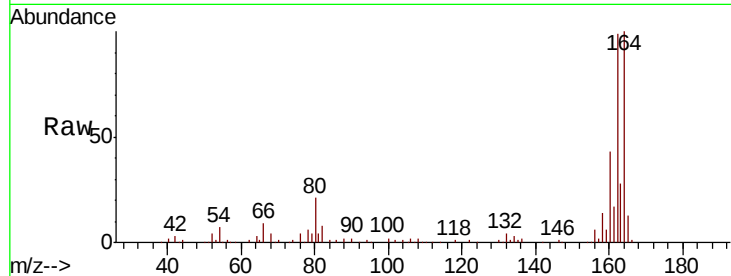




#56
 2,4-Dinitrotoluene
 Concen: 6.097 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Instrument :
 BNA_G
 ClientSampleId :

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



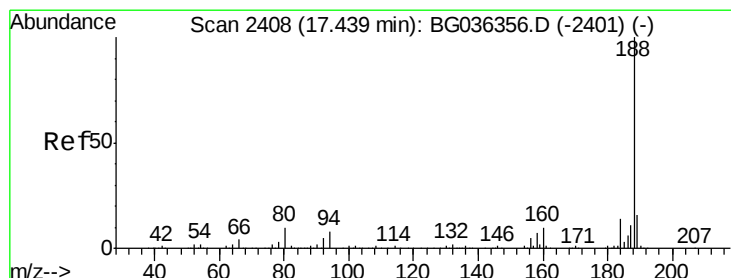
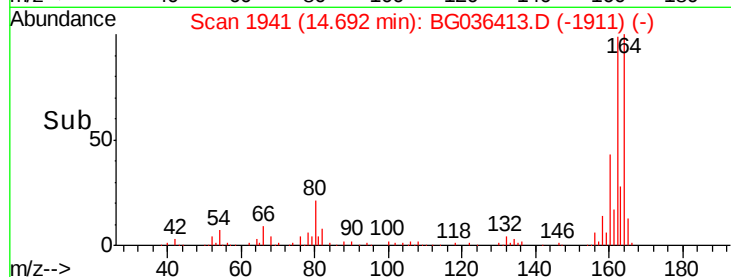
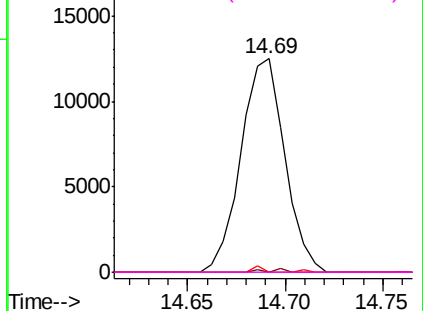
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

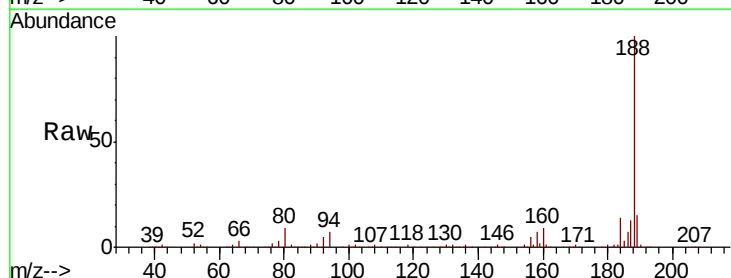
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.3	8.1	12.1

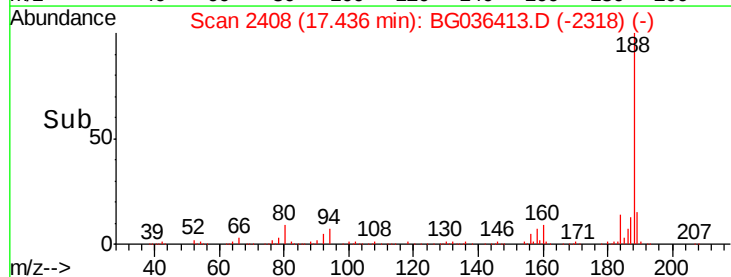
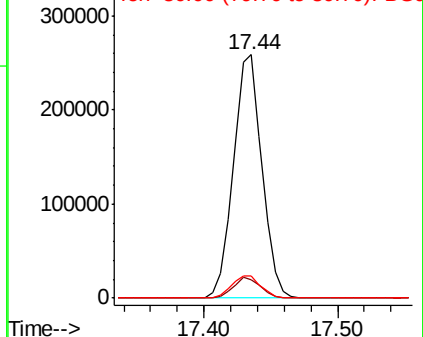


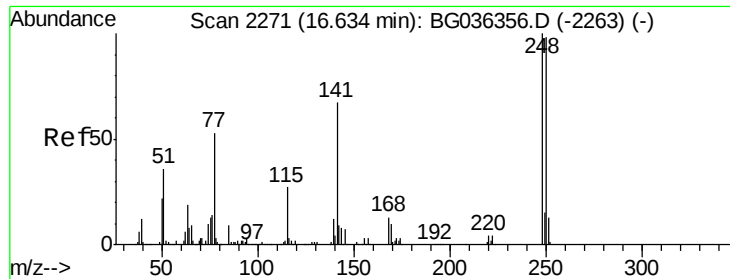
Abundance

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

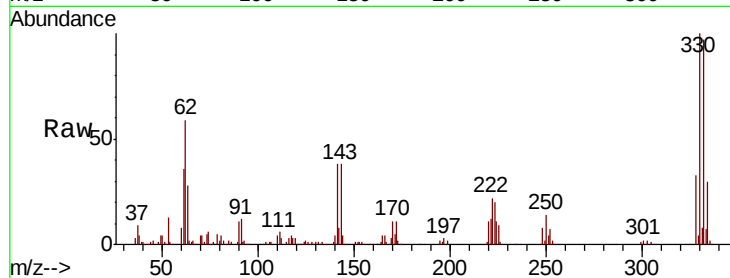




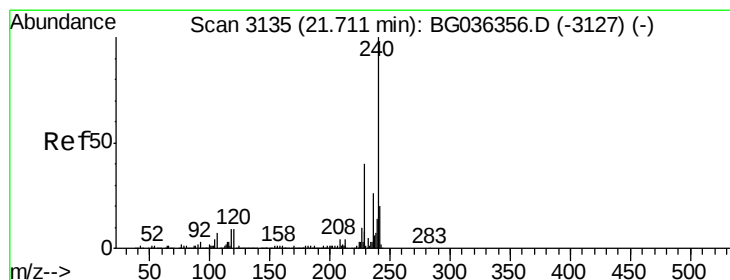
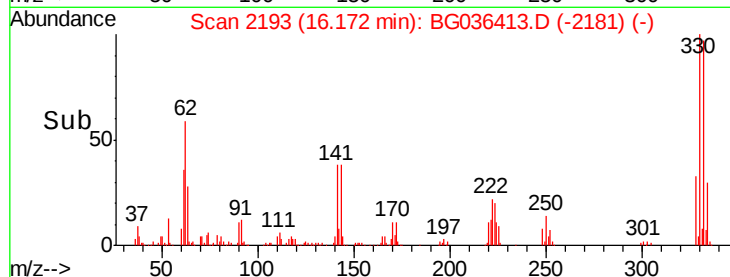
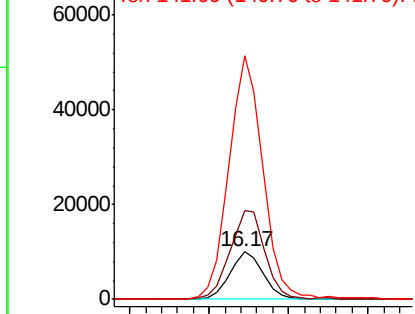
#66
 4-Bromophenyl-phenylether
 Concen: 3.242 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14567
 Ion Ratio Lower Upper
 248 100
 250 187.3 78.1 117.1#
 141 510.3 53.7 80.5#

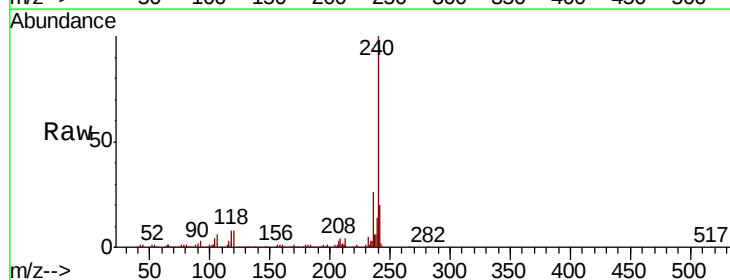


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

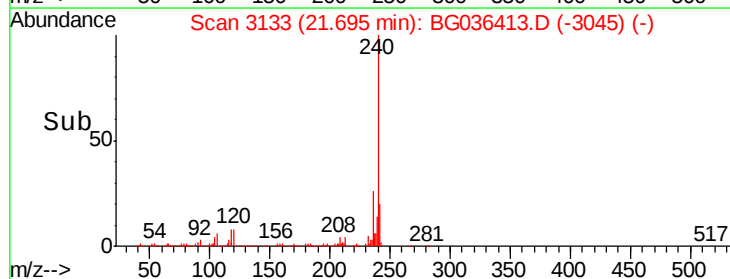
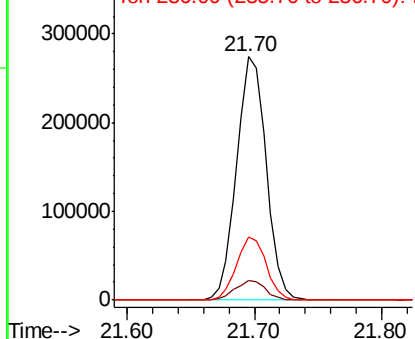


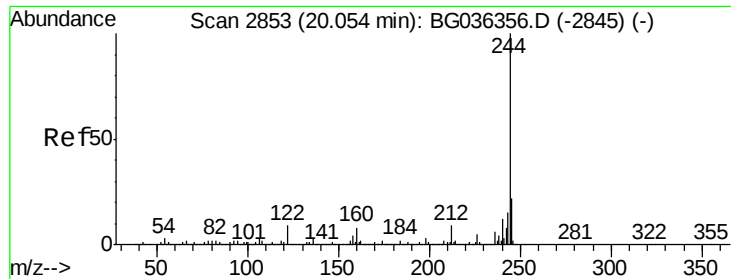
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG036413.D
 Acq: 24 Aug 2018 14:24

Tgt Ion:240 Resp: 443513
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 26.0 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





#78

Terphenyl-d14

Concen: 71.597 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

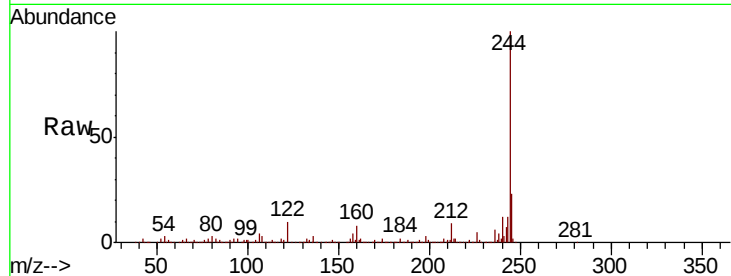
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1358558

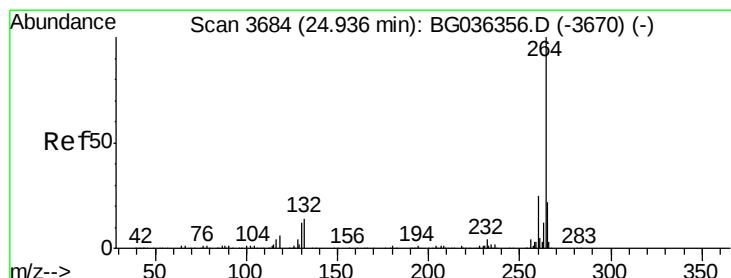
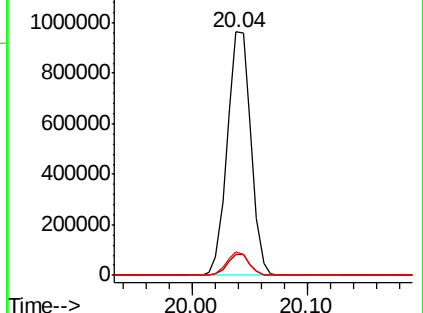
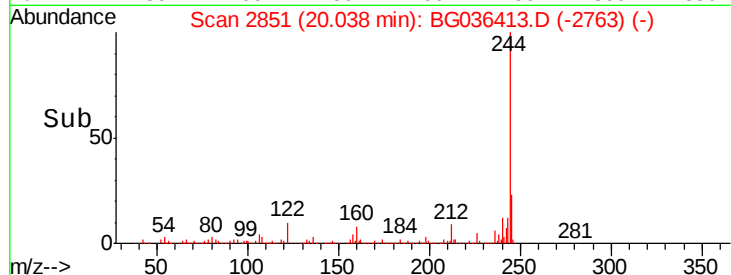
Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	9.8	7.1	10.7



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: 24.92 min Scan# 3681

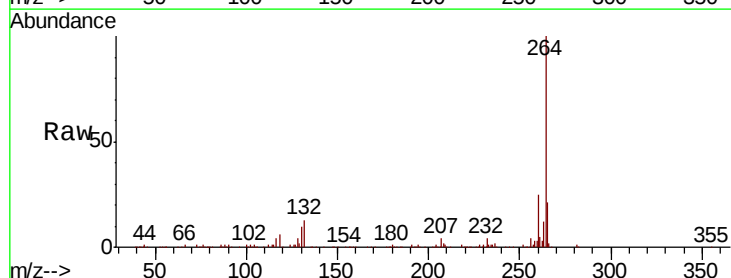
Delta R.T. -0.02 min

Lab File: BG036413.D

Acq: 24 Aug 2018 14:24

Tgt Ion:264 Resp: 446985

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.6	29.4
265	21.2	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

