

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036171.D
 Acq On : 7 Aug 2018 21:01
 Operator : JU/SJ
 Sample : J4366-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 01:04:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

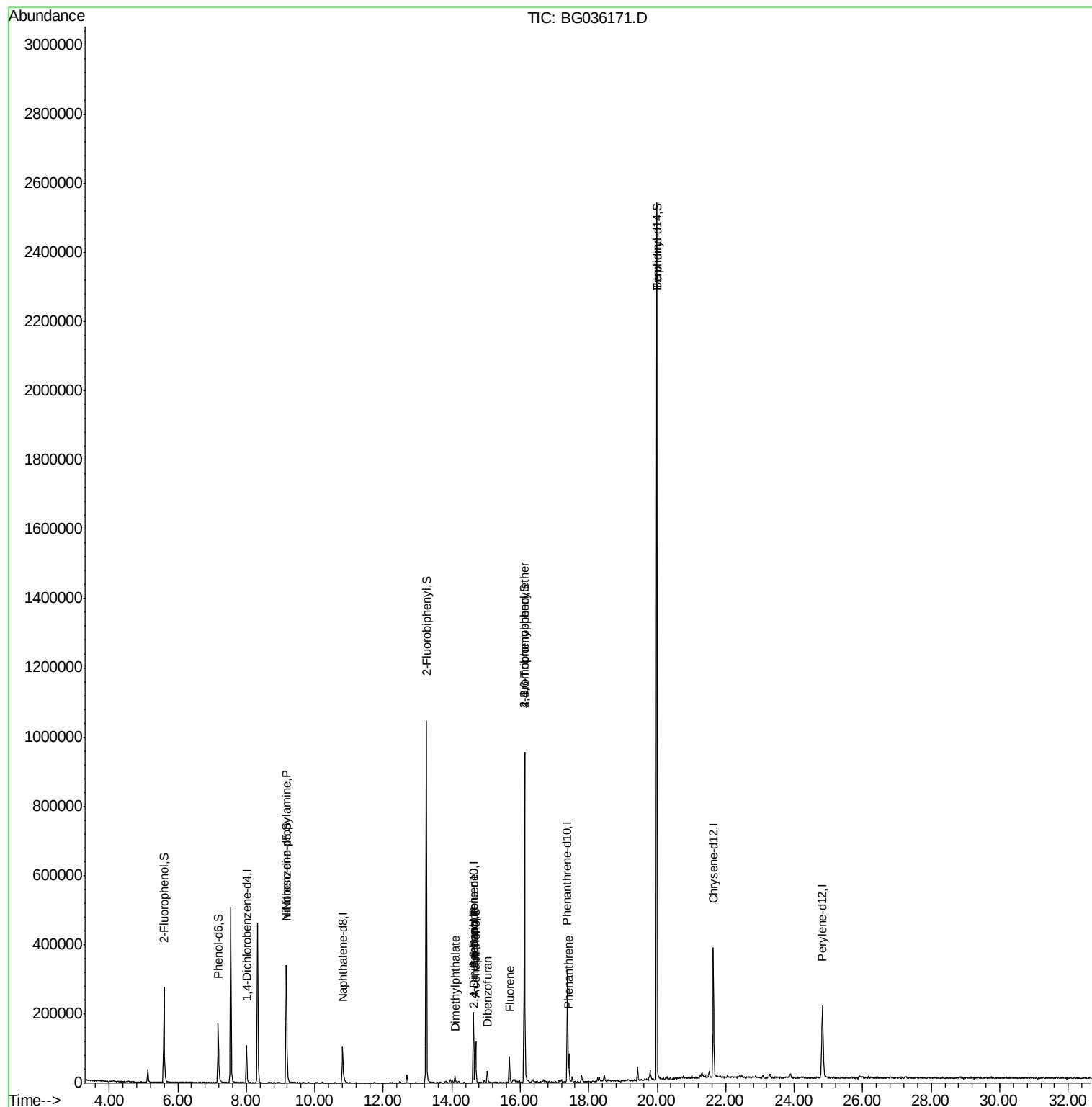
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30176	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	106035	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	75375	20.00	ng	-0.01
63) Phenanthrene-d10	17.37	188	216584	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	252120	20.00	ng	-0.02
86) Perylene-d12	24.82	264	241821	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	132374	72.83	ng	0.00
7) Phenol-d6	7.18	99	121016	44.63	ng	-0.02
23) Nitrobenzene-d5	9.17	82	253530	99.88	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	182608	183.80	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	587390	104.40	ng	-0.02
78) Terphenyl-d14	19.99	244	1234183	107.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	36516	15.991	ng	Qvalue # 62
49) Dimethylphthalate	14.09	163	17130	2.594	ng	98
50) 2,6-Dinitrotoluene	14.63	165	10000	7.436	ng	# 22
51) Acenaphthene	14.70	154	45601	9.614	ng	95
53) 2,4-Dinitrophenol	14.65	184	69	6.674	ng	# 65
54) Dibenzofuran	15.04	168	26631	3.530	ng	92
57) Fluorene	15.68	166	38331	6.063	ng	99
66) 4-Bromophenyl-phenylether	16.12	248	15236	6.063	ng	# 1
70) Phenanthrene	17.42	178	49921	4.619	ng	98
76) Benzidine	19.99	184	22684	3.422	ng	94

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

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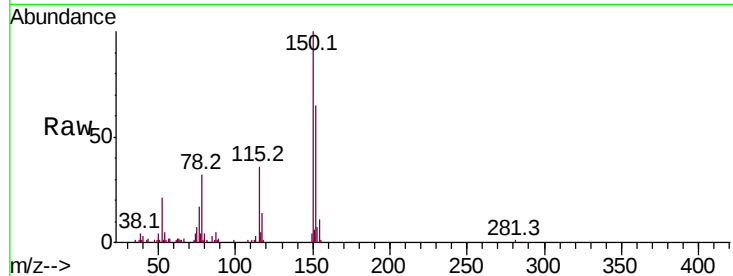


#1

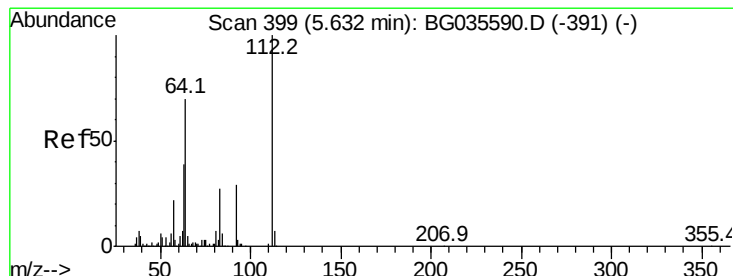
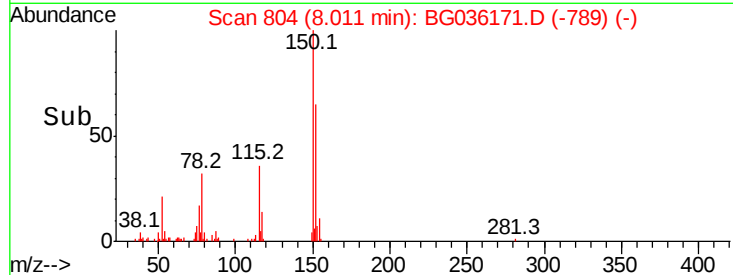
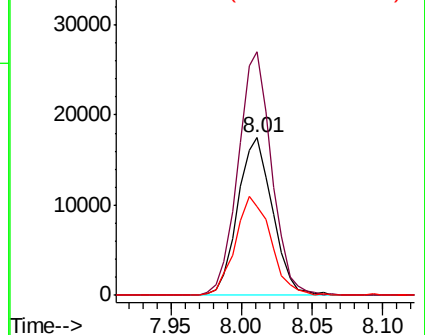
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30176
Ion Ratio Lower Upper
152 100
150 154.8 126.6 189.8
115 56.3 53.0 79.4



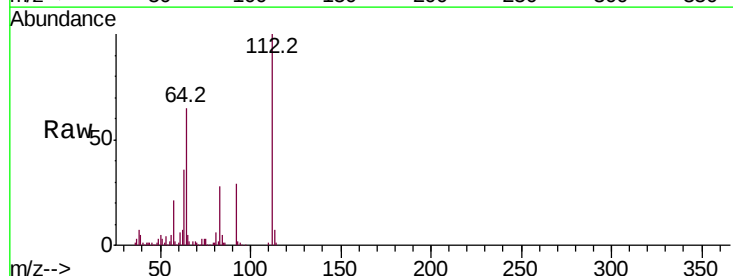
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



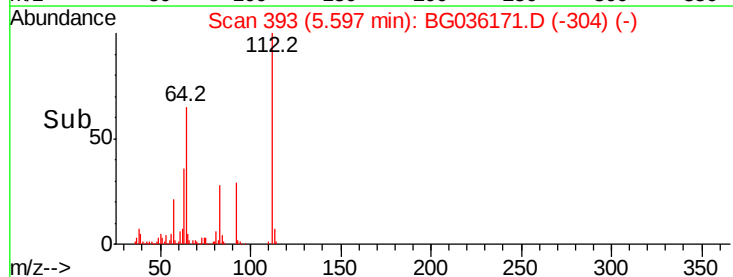
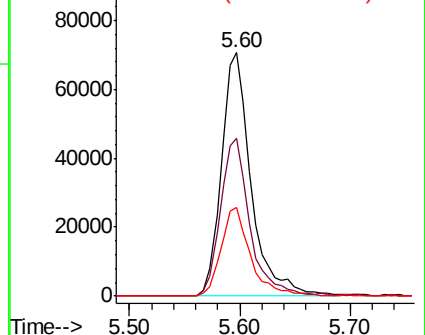
#5

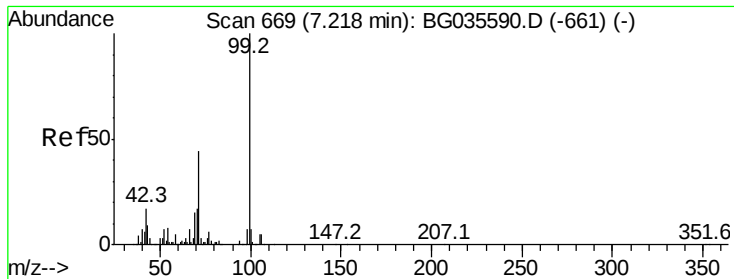
2-Fluorophenol
Concen: 72.830 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Tgt Ion:112 Resp: 132374
Ion Ratio Lower Upper
112 100
64 64.7 56.3 84.5
63 36.4 30.1 45.1



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: 44.626 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036171.D

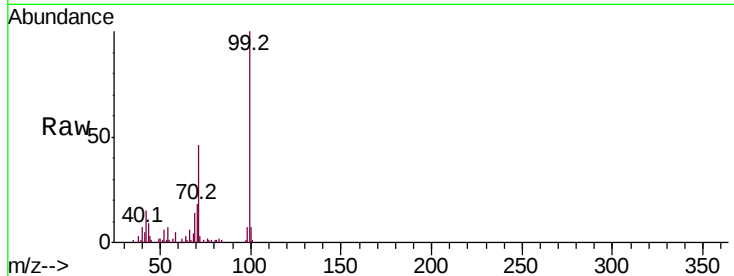
Acq: 7 Aug 2018 21:01

Instrument :

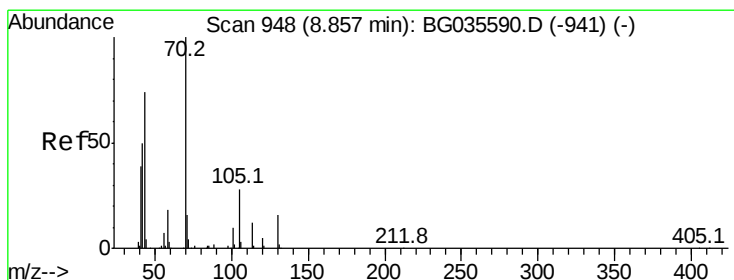
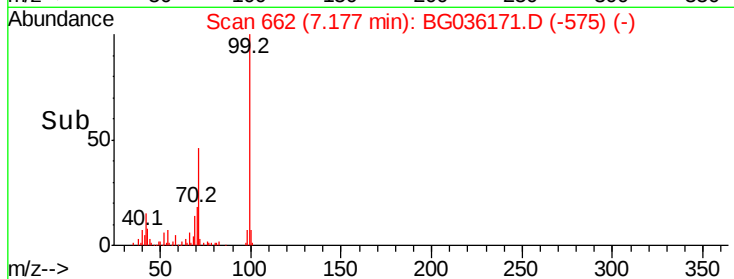
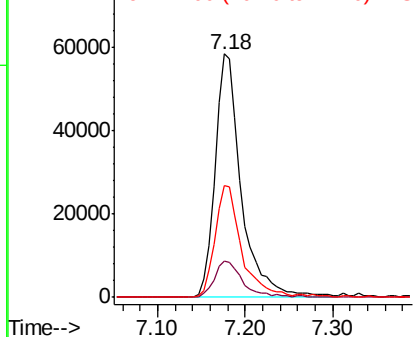
BNA_G

ClientSampleId :

Tot Ion:	99	Resp:	121016
Ion	Ratio	Lower	Upper
99	100		
42	15.1	14.1	21.1
71	45.8	26.1	39.1#



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: 15.991 ng

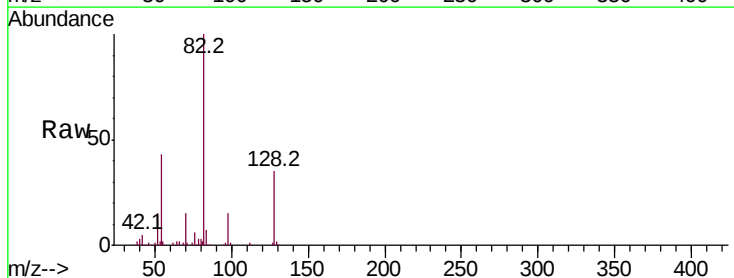
RT: 9.17 min Scan# 1002

Delta R.T. 0.35 min

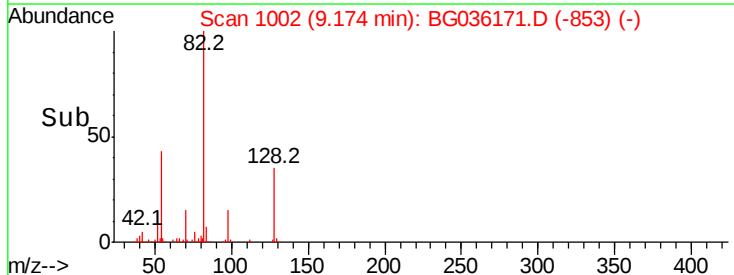
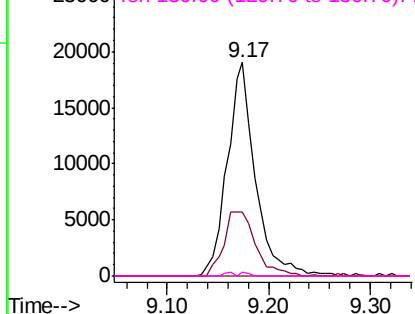
Lab File: BG036171.D

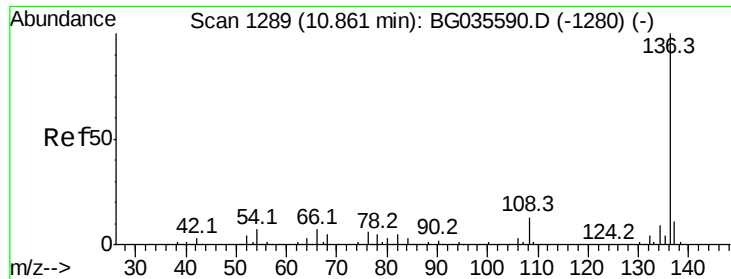
Acq: 7 Aug 2018 21:01

Tgt Ion:	70	Resp:	36516
Ion	Ratio	Lower	Upper
70	100		
42	30.0	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#



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

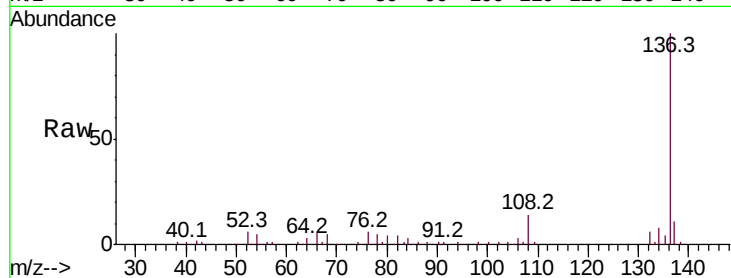




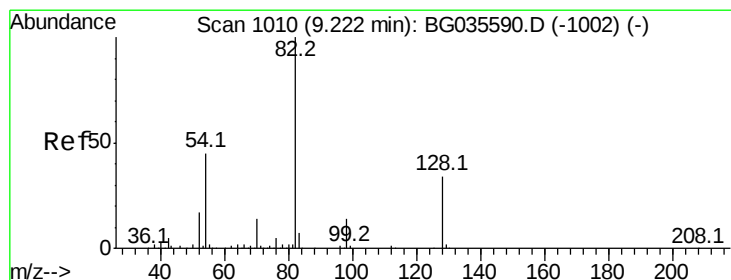
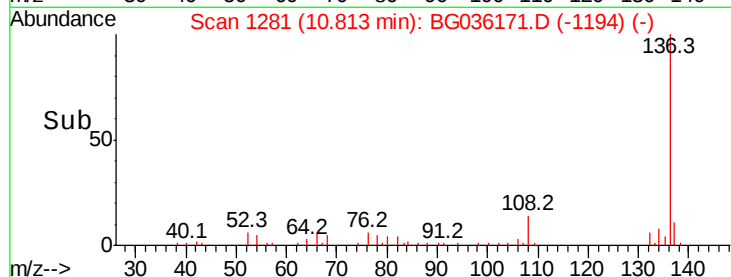
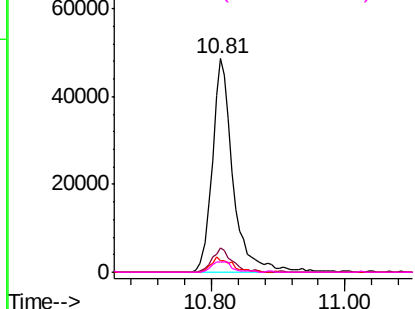
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	106035
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.4	10.3	15.5
68	4.5	4.5	6.7

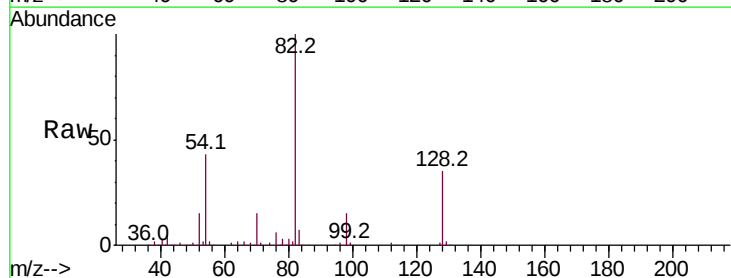


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

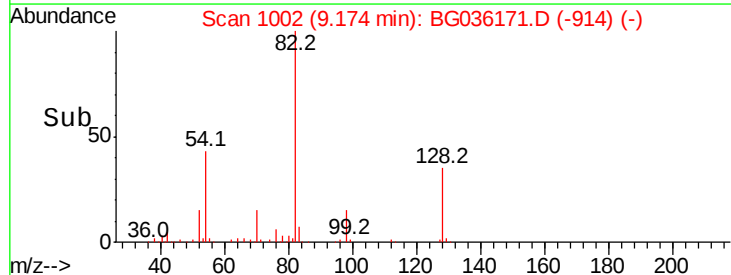
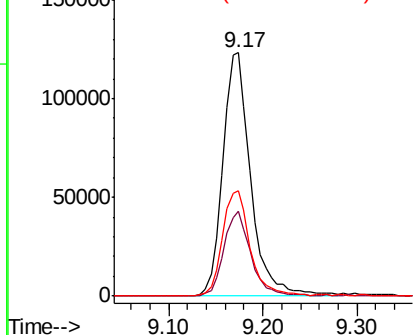


#23
Nitrobenzene-d5
Concen: 99.883 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Tgt Ion:	82	Resp:	253530
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	43.3	43.1	64.7



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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

Instrument :

BNA_G

ClientSampleId :

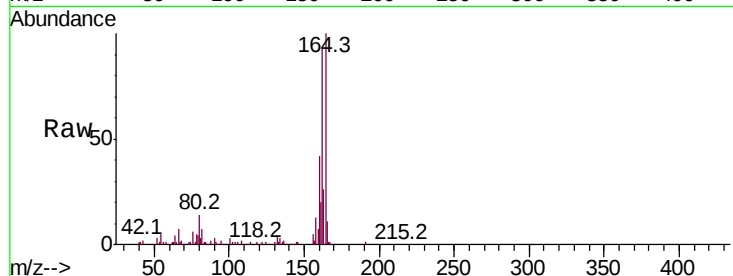
Tot Ion:164 Resp: 75375

Ion Ratio Lower Upper

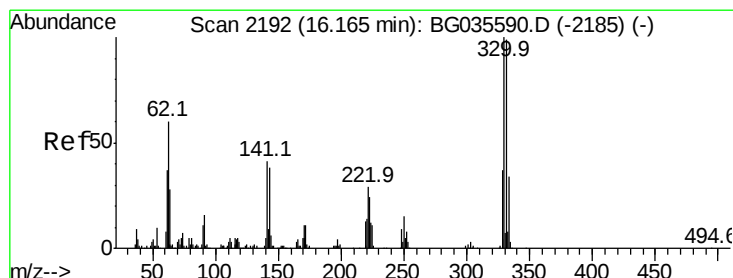
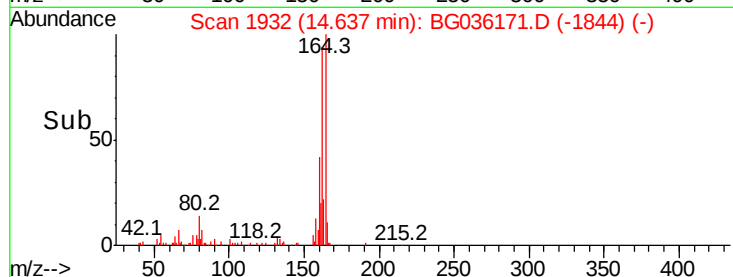
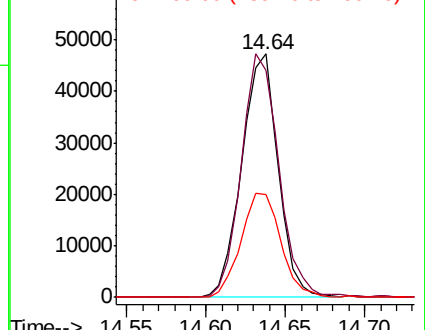
164 100

162 93.5 78.8 118.2

160 42.2 35.4 53.0



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: 183.804 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

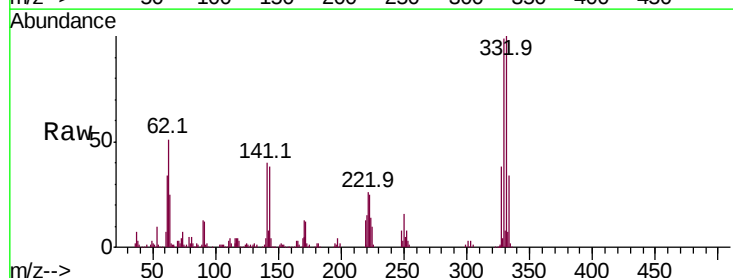
Tgt Ion:330 Resp: 182608

Ion Ratio Lower Upper

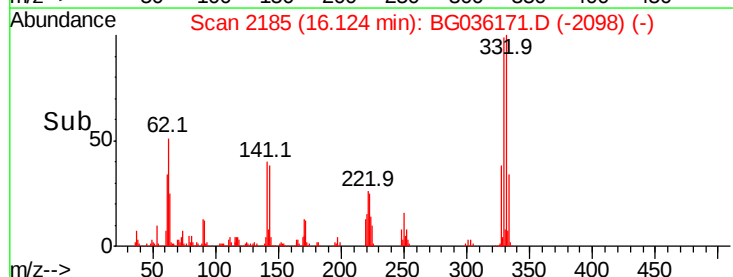
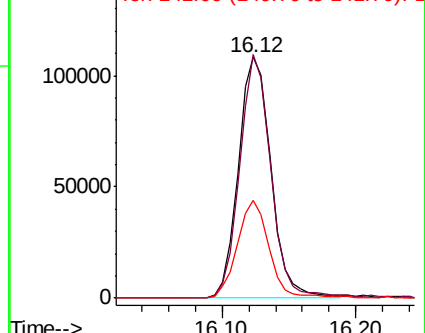
330 100

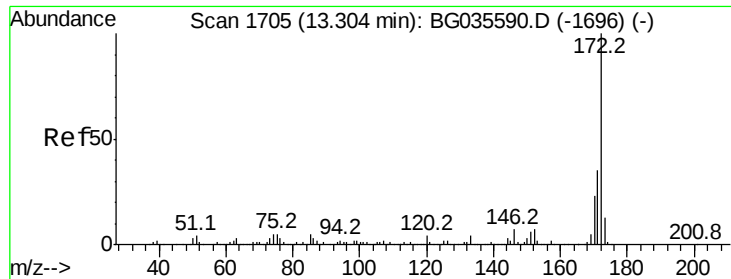
332 96.4 77.0 115.6

141 39.9 25.2 37.8#



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

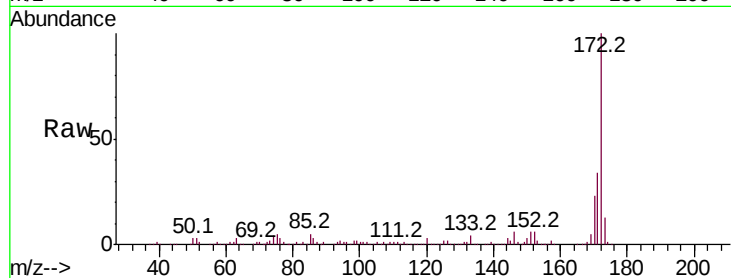




#44
2-Fluorobiphenyl
Concen: 104.405 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.0	45.0
170	23.2	19.5	29.3

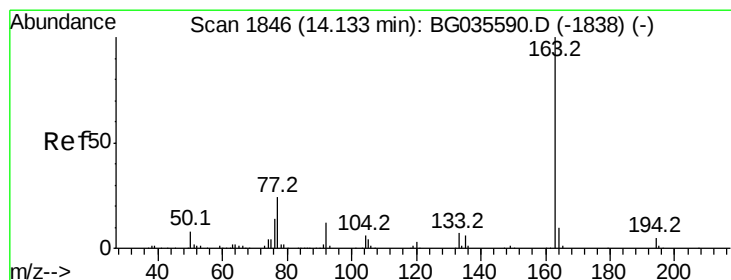
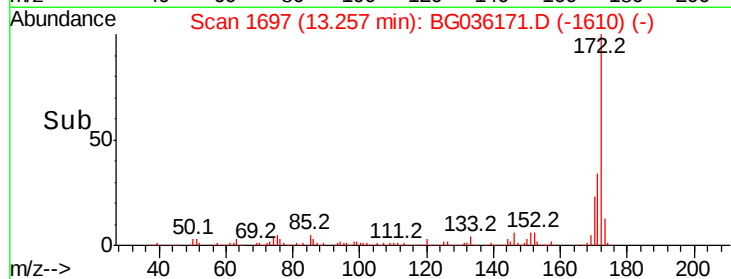
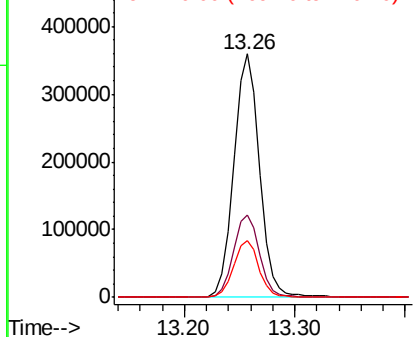


Abundance

Ion 172.00 (171.70 to 172.70): E

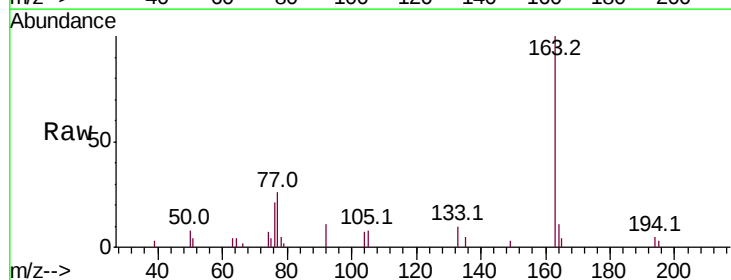
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 2.594 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BG036171.D
Acq: 7 Aug 2018 21:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.2
164	11.2	8.2	12.4

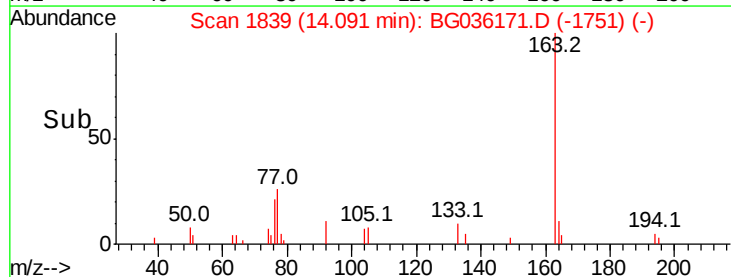
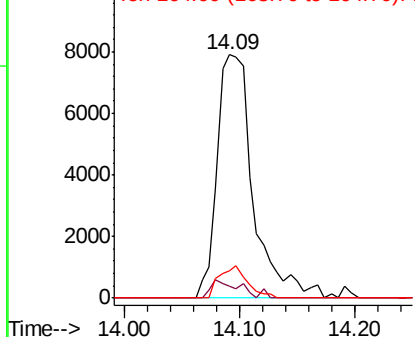


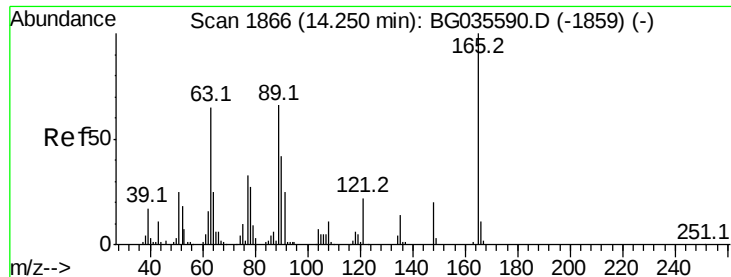
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

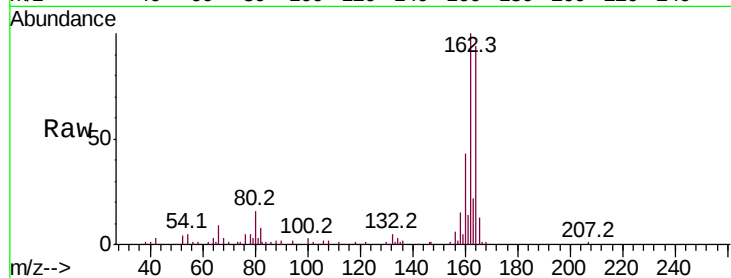




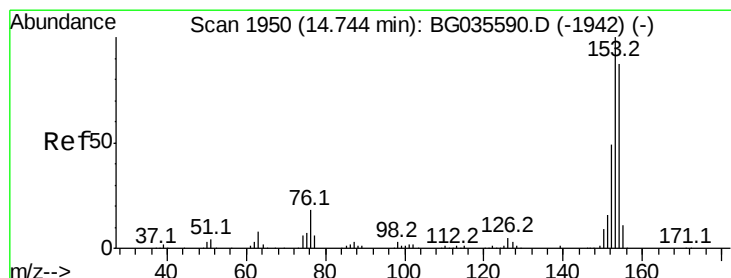
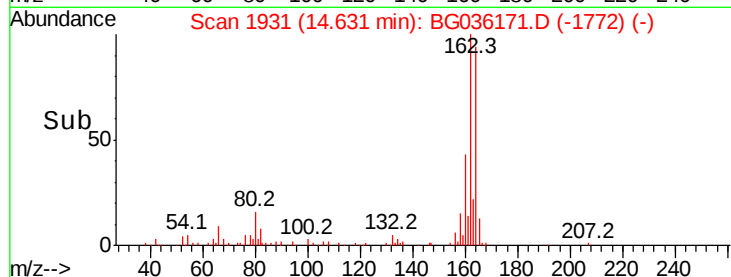
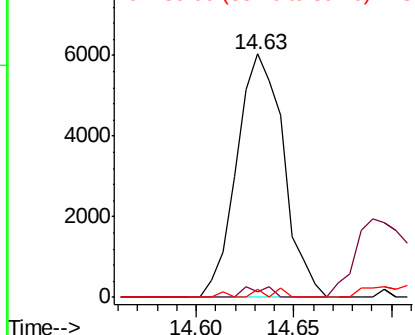
#50
 2,6-Dinitrotoluene
 Concen: 7.436 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10000
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 3.6 49.2 73.8#

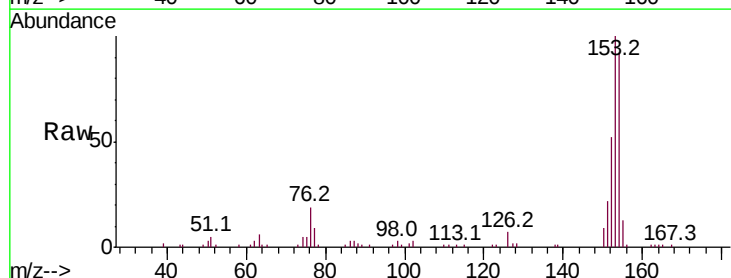


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

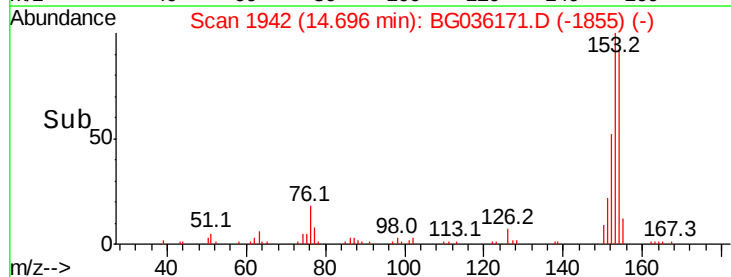
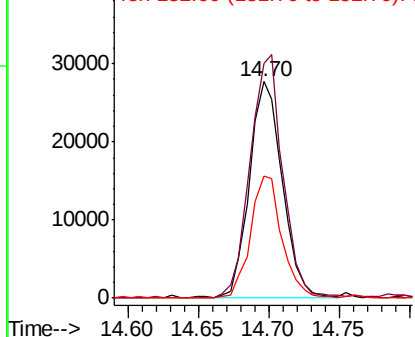


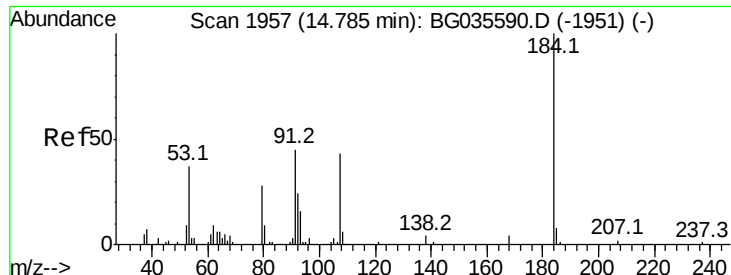
#51
 Acenaphthene
 Concen: 9.614 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Tgt Ion:154 Resp: 45601
 Ion Ratio Lower Upper
 154 100
 153 108.4 90.4 135.6
 152 56.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 6.674 ng

RT: 14.65 min Scan# 1935

Delta R.T. -0.11 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

Instrument :

BNA_G

ClientSampleId :

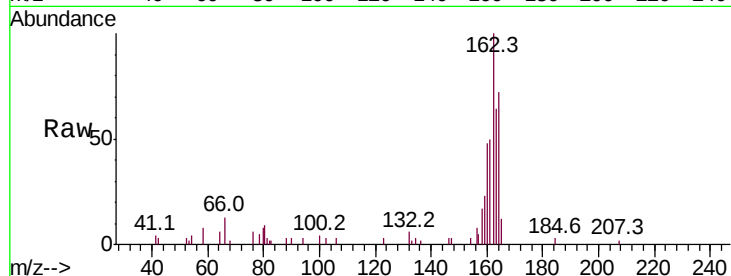
Tot Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

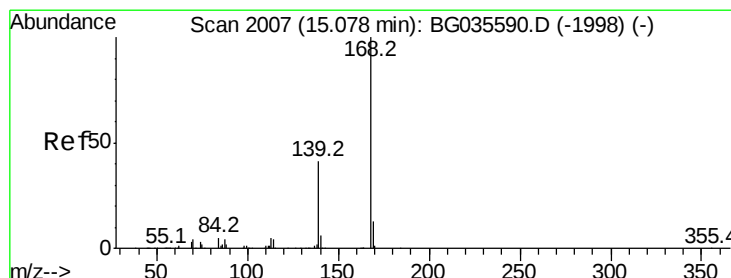
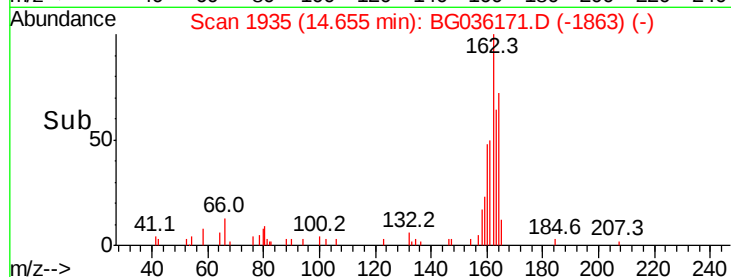
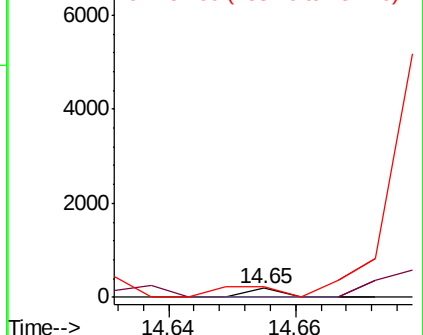
154 122.4 101.8 152.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 3.530 ng

RT: 15.04 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

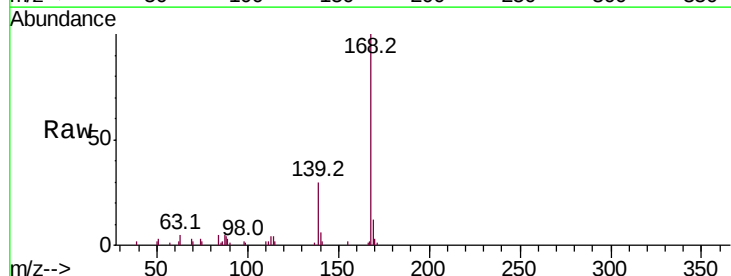
Tgt Ion:168 Resp: 26631

Ion Ratio Lower Upper

168 100

139 30.0 28.6 43.0

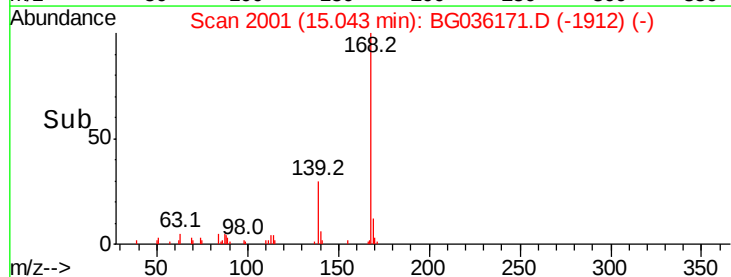
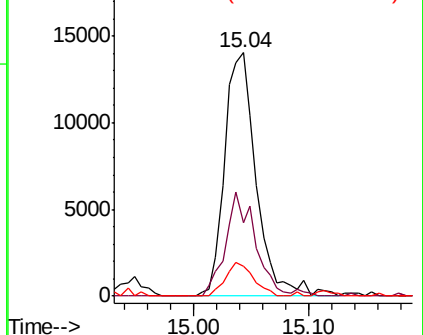
169 12.4 11.2 16.8

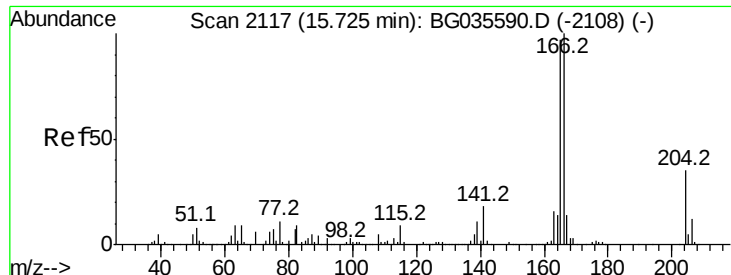


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

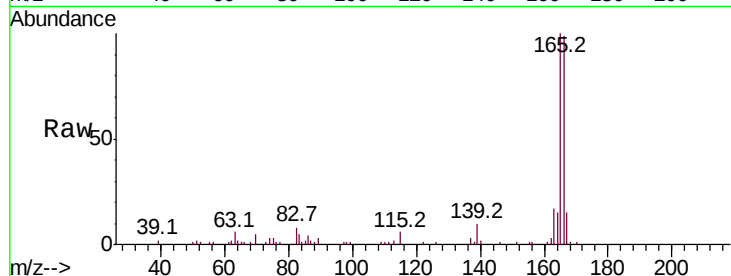




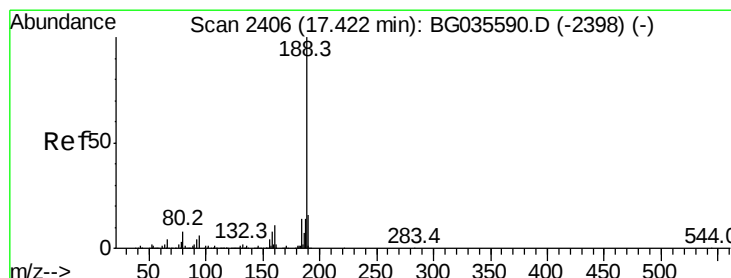
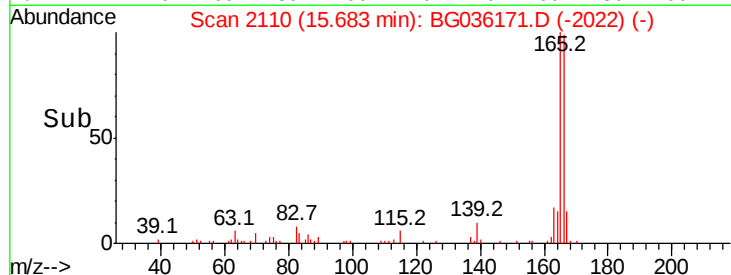
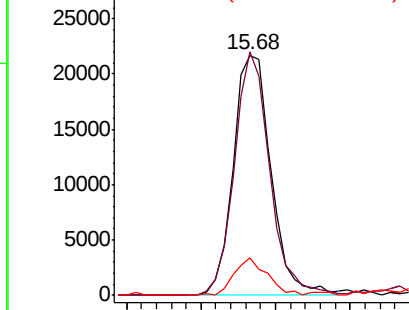
#57
 Fluorene
 Concen: 6.063 ng
 RT: 15.68 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 38331
 Ion Ratio Lower Upper
 166 100
 165 101.3 80.6 121.0
 167 15.5 10.4 15.6

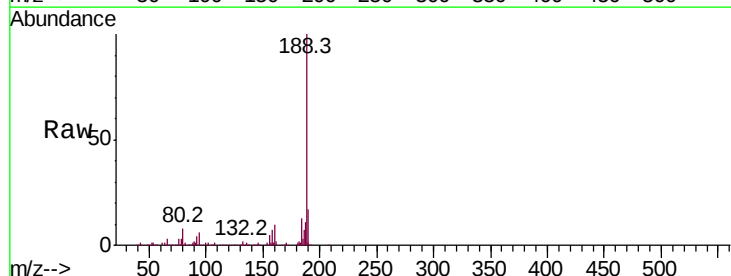


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

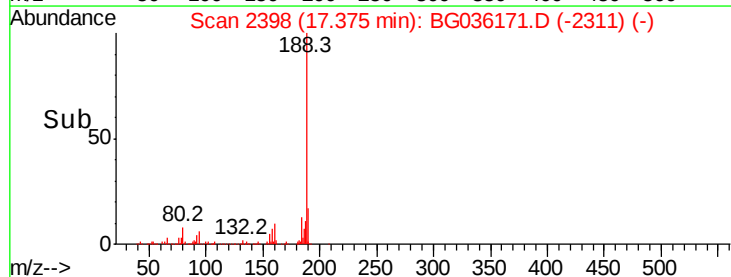
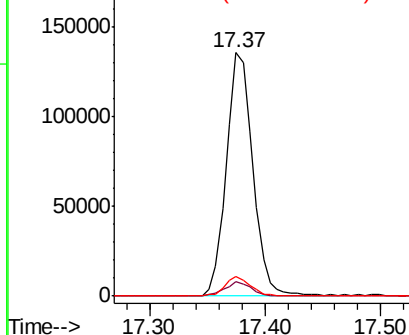


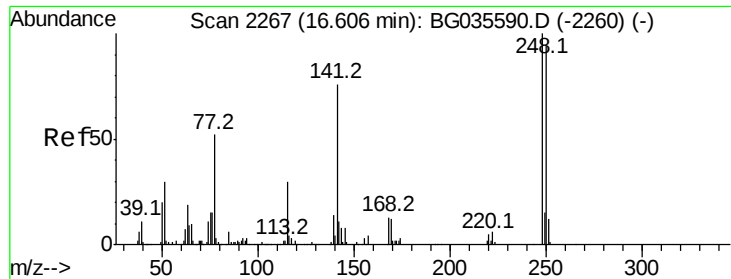
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Tgt Ion:188 Resp: 216584
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 8.0 7.7 11.5



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

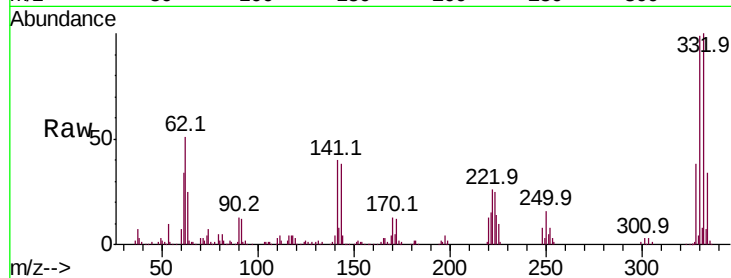




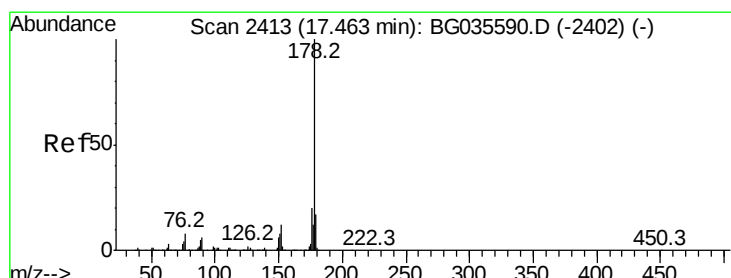
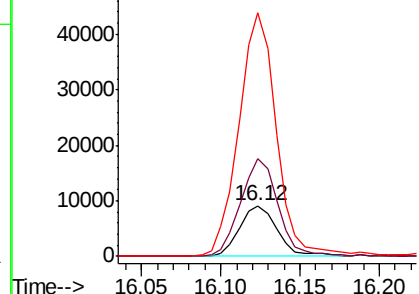
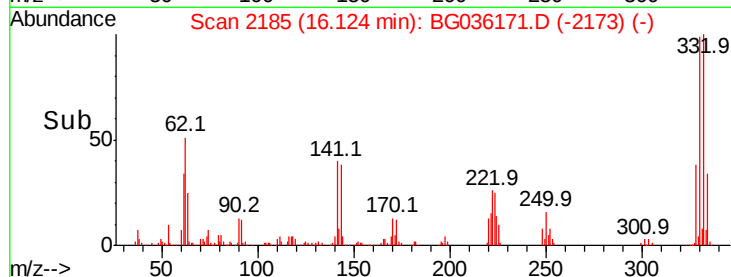
#66
 4-Bromophenyl-phenylether
 Concen: 6.063 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 15236
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.1 115.7#
 141 478.1 50.8 76.2#

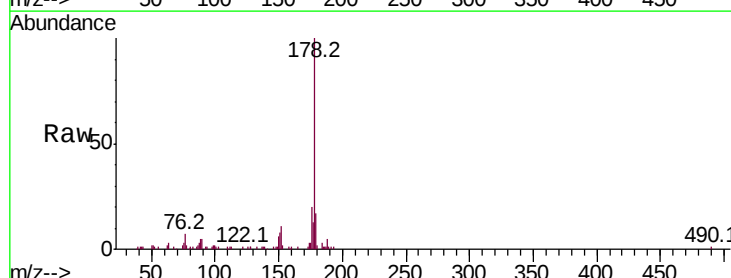


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

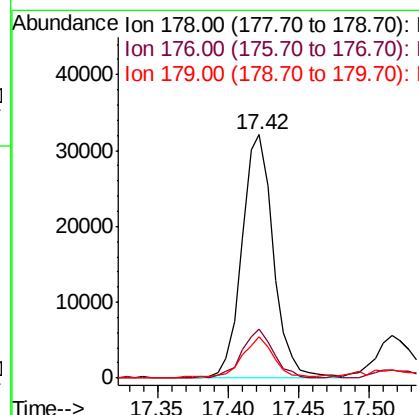
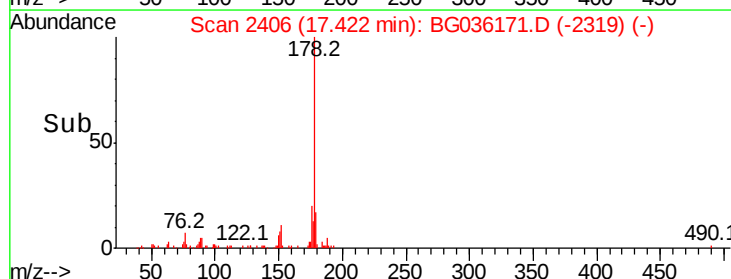


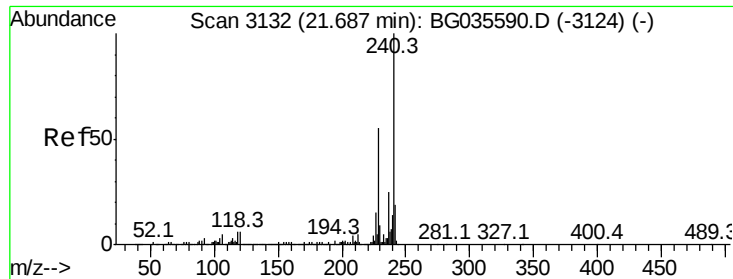
#70
 Phenanthrene
 Concen: 4.619 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Tgt Ion:178 Resp: 49921
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.7 23.5
 179 17.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

Instrument :

BNA_G

ClientSampleId :

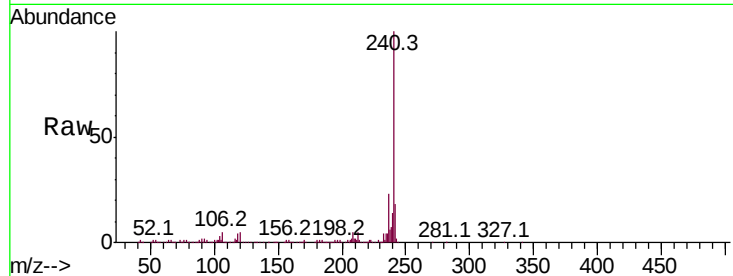
Tot Ion:240 Resp: 252120

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

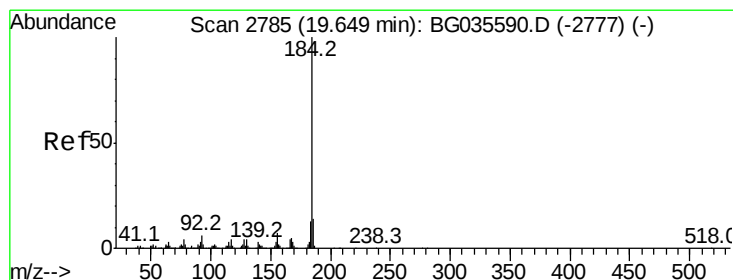
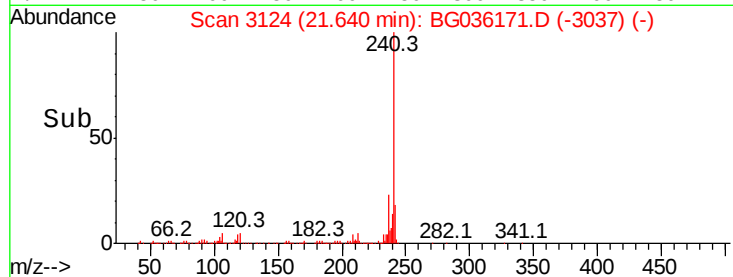
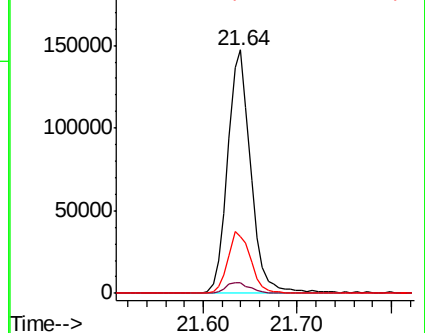
236 23.1 20.9 31.3



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: 3.422 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036171.D

Acq: 7 Aug 2018 21:01

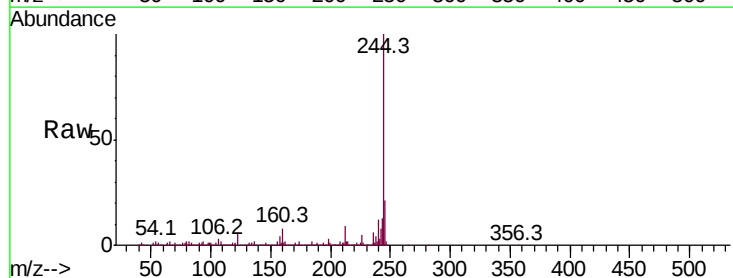
Tgt Ion:184 Resp: 22684

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

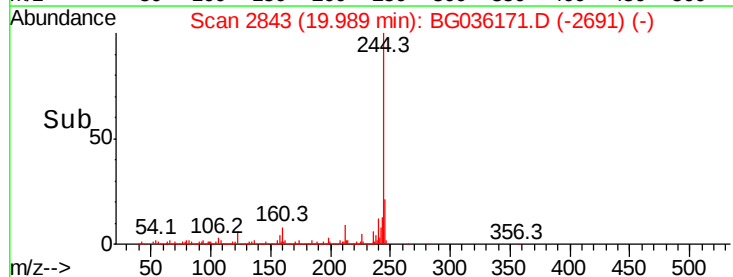
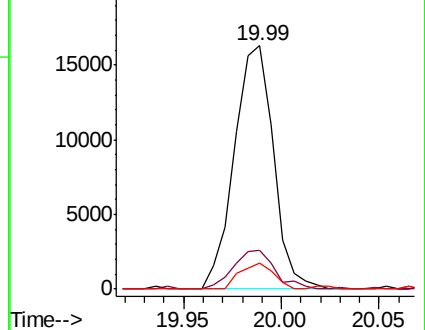
183 10.9 10.6 16.0

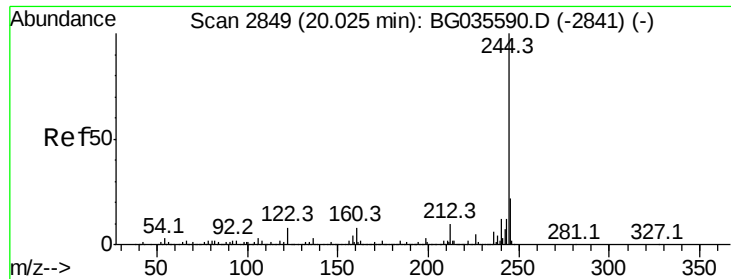


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

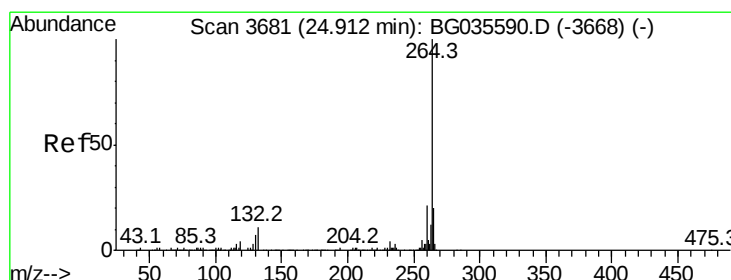
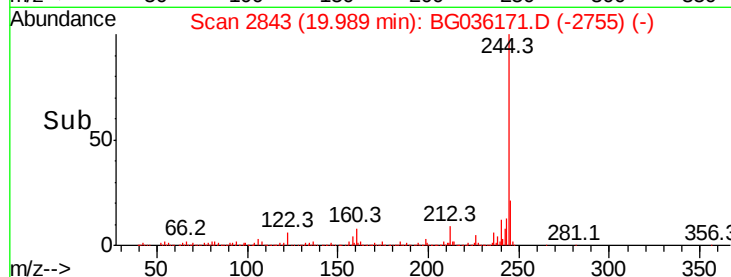
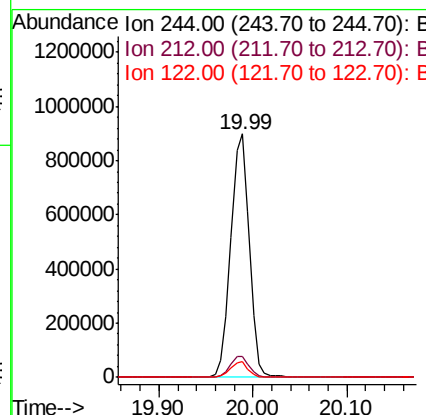
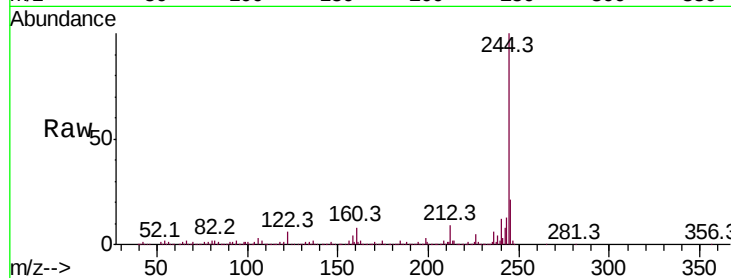




#78
 Terphenyl-d14
 Concen: 107.905 ng
 RT: 19.99 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1234183
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.8 8.8#
 122 6.4 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3666
 Delta R.T. -0.04 min
 Lab File: BG036171.D
 Acq: 7 Aug 2018 21:01

Tgt Ion:264 Resp: 241821
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.4 26.0
 265 21.0 17.7 26.5

