

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036910.D
 Acq On : 23 Sep 2018 2:39
 Operator : JU/SJ
 Sample : J5019-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:45:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

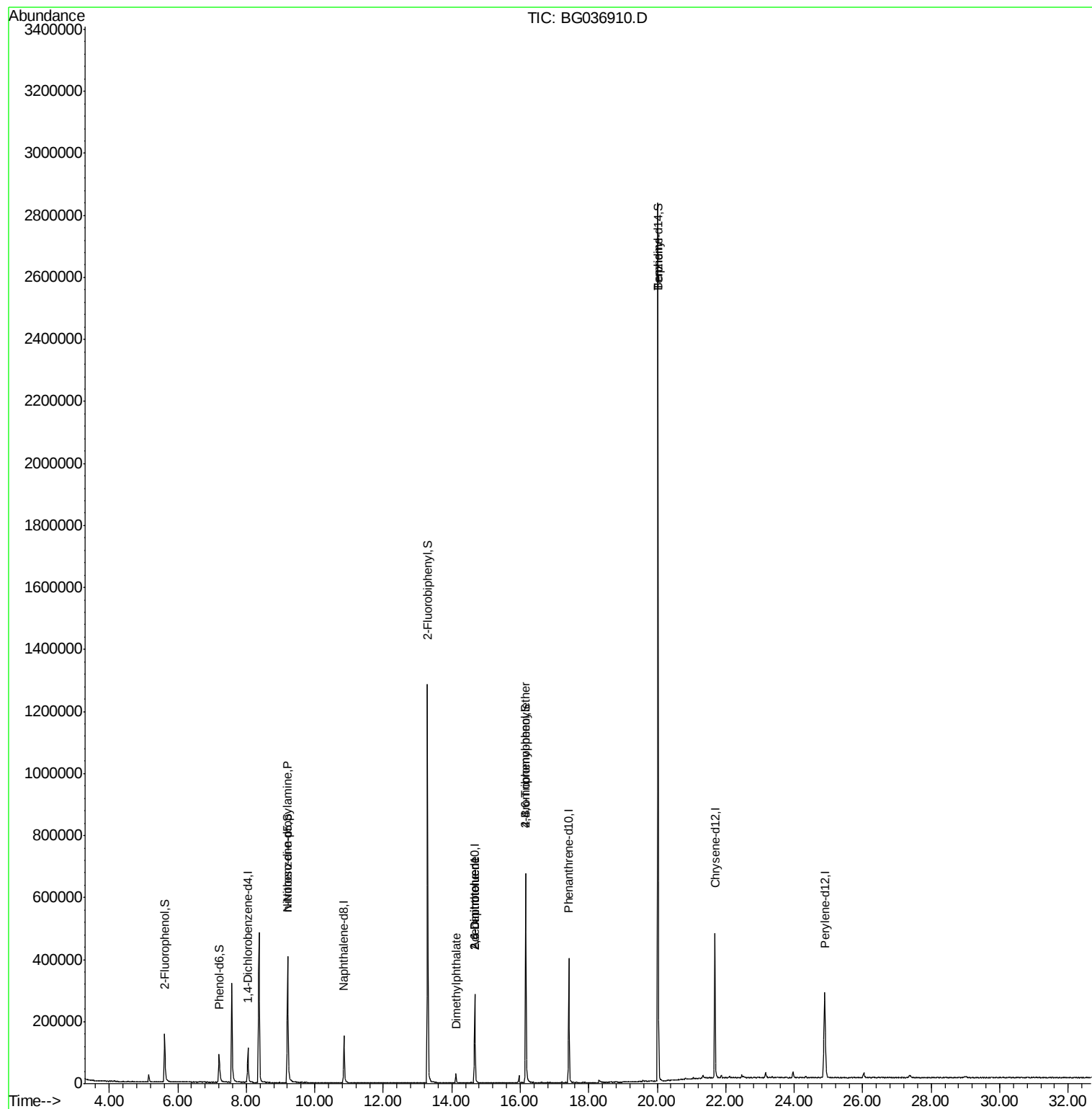
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	35101	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	153674	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105967	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	281076	20.00	ng	0.00
75) Chrysene-d12	21.68	240	308448	20.00	ng	0.00
86) Perylene-d12	24.89	264	305384	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	78781	43.04	ng	0.00
7) Phenol-d6	7.21	99	71616	25.29	ng	0.00
23) Nitrobenzene-d5	9.20	82	295675	103.03	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	136591	107.74	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	714961	100.49	ng	0.00
78) Terphenyl-d14	20.02	244	1391504	118.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38699	16.428	ng	# 70
49) Dimethylphthalate	14.12	163	25419	2.980	ng	# 95
50) 2,6-Dinitrotoluene	14.67	165	13410	7.206	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	13410	5.164	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	9830	3.075	ng	# 1
76) Benzidine	20.02	184	24437	2.621	ng	# 92

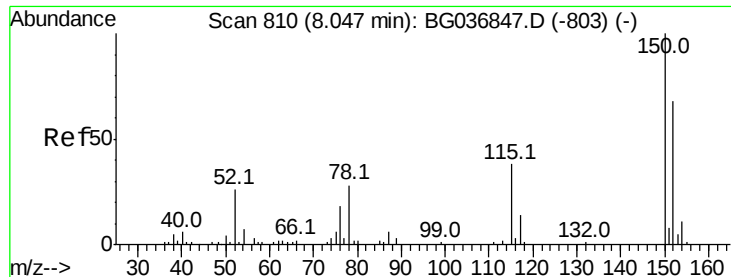
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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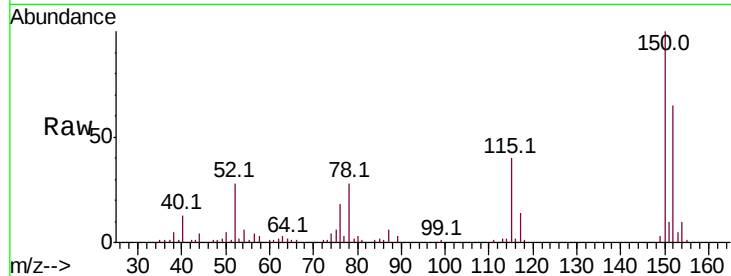


#1

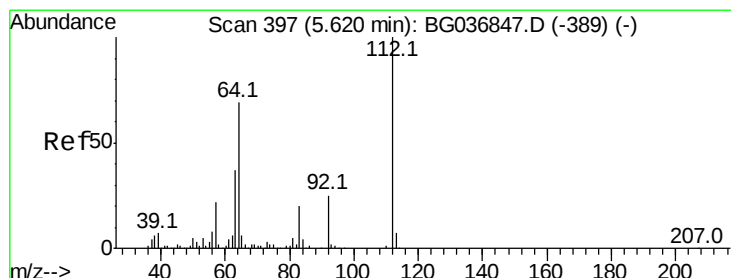
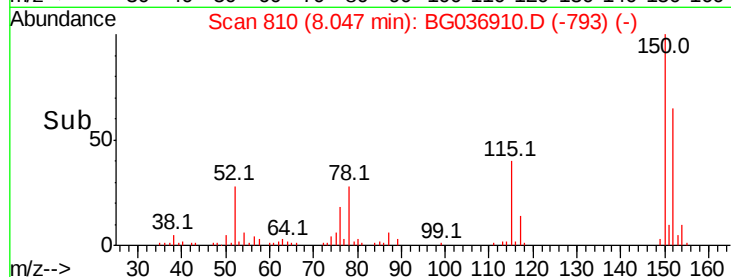
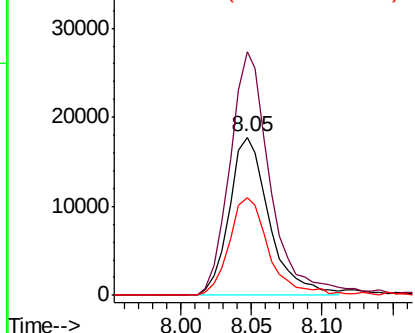
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.00 min
Lab File: BG036910.D
Acq: 23 Sep 2018 2:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	119.5	179.3
115	62.0	44.5	66.7



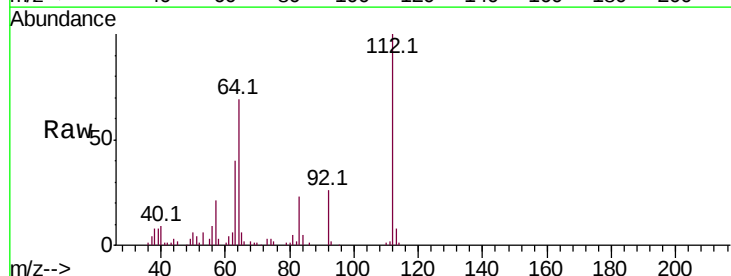
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



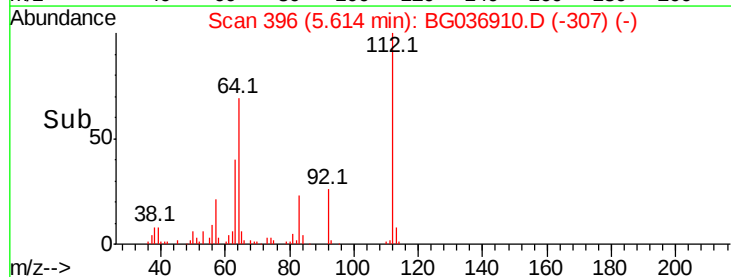
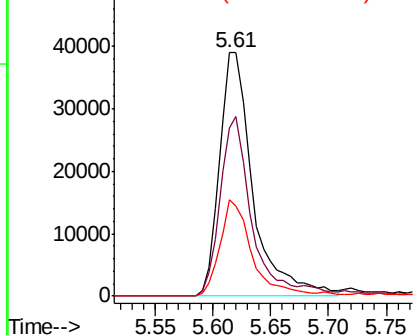
#5

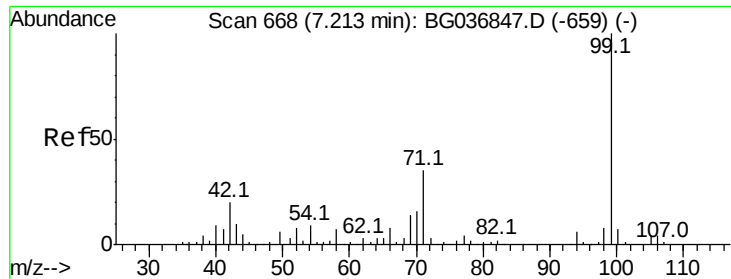
2-Fluorophenol
Concen: 43.043 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036910.D
Acq: 23 Sep 2018 2:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	57.2	85.8
63	39.6	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: 25.290 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Instrument :

BNA_G

ClientSampleId :

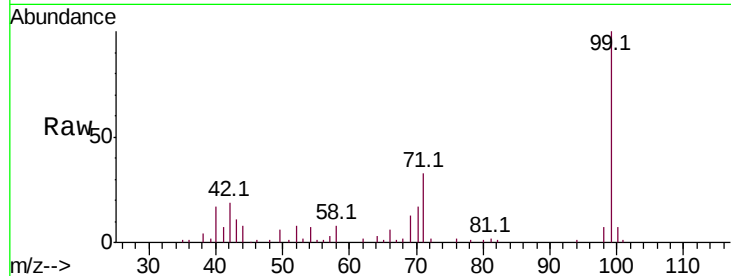
Tot Ion: 99 Resp: 71616

Ion Ratio Lower Upper

99 100

42 19.0 16.5 24.7

71 33.3 29.4 44.2

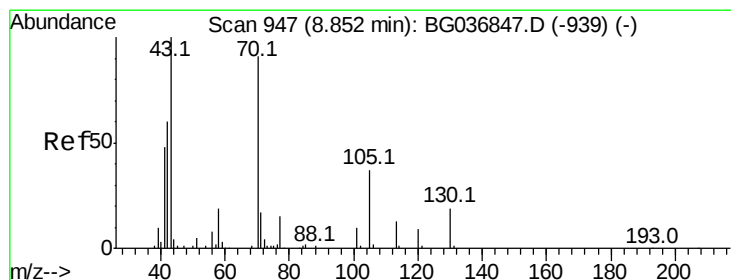
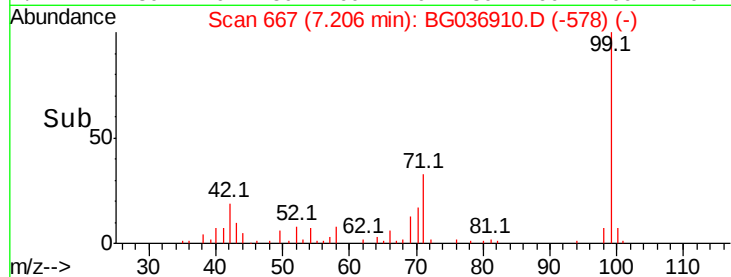
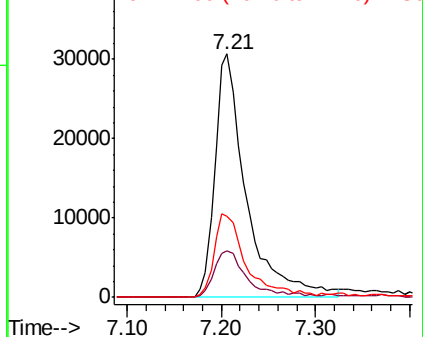


Abundance

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: 16.428 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Tgt Ion: 70 Resp: 38699

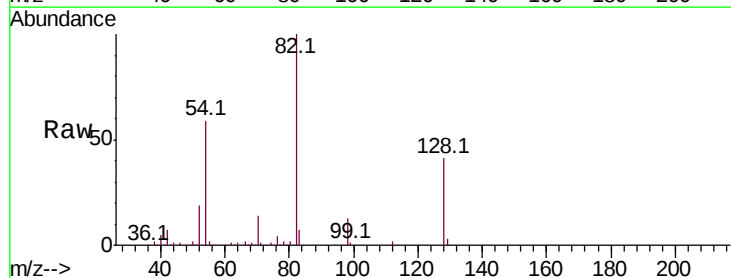
Ion Ratio Lower Upper

70 100

42 47.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



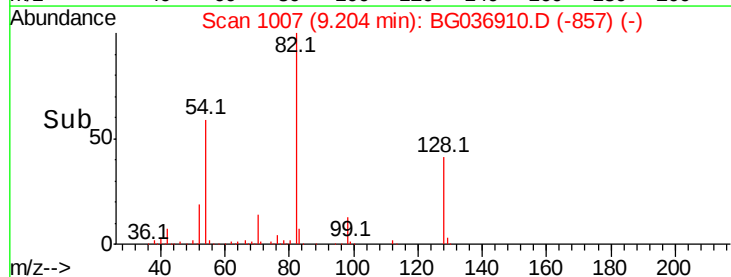
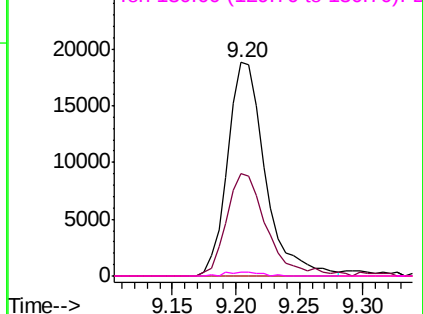
Abundance

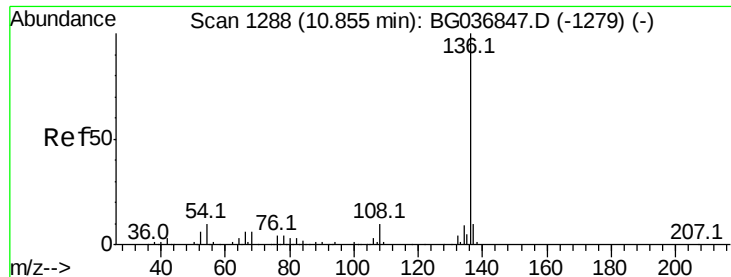
Ion 70.00 (69.70 to 70.70): BGC

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

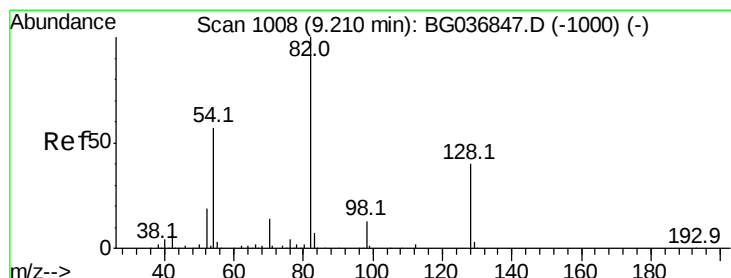
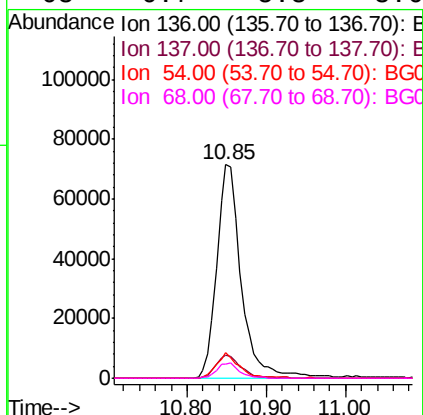
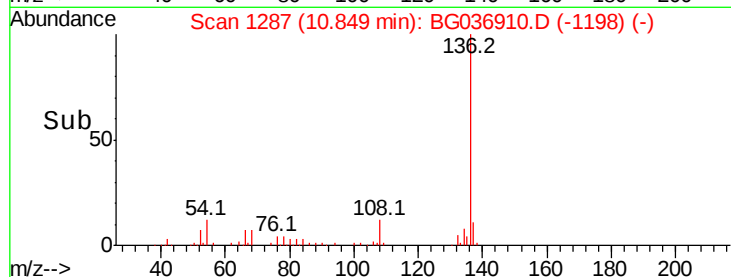
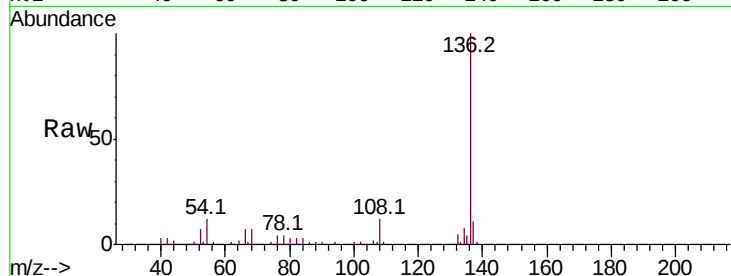




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036910.D
Acq: 23 Sep 2018 2:39

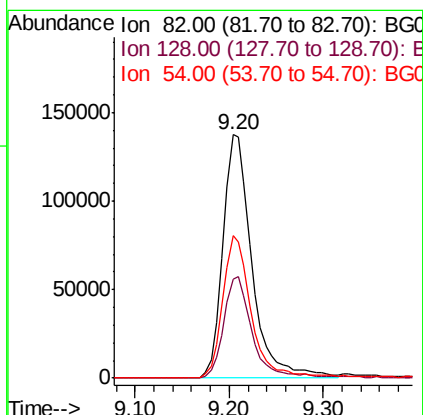
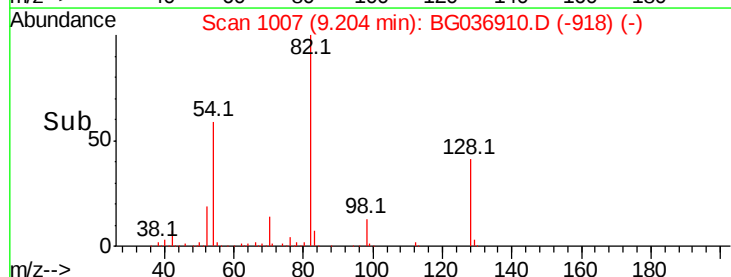
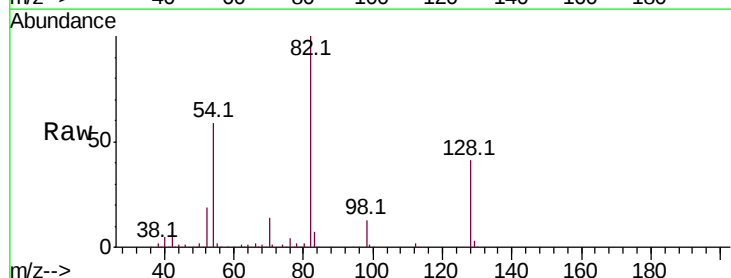
Instrument :
BNA_G
ClientSampleId :

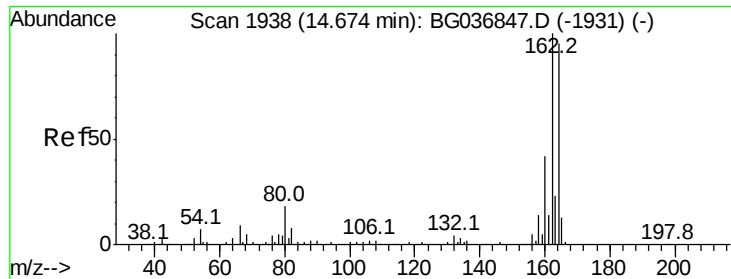
Tot Ion:	136	Resp:	153674
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	11.7	9.2	13.8
68	6.7	5.8	8.6



#23
Nitrobenzene-d5
Concen: 103.034 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036910.D
Acq: 23 Sep 2018 2:39

Tgt Ion:	82	Resp:	295675
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.3	49.9
54	58.7	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Instrument :

BNA_G

ClientSampleId :

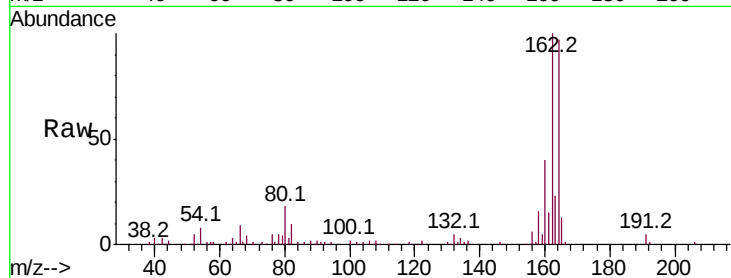
Tot Ion:164 Resp: 105967

Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

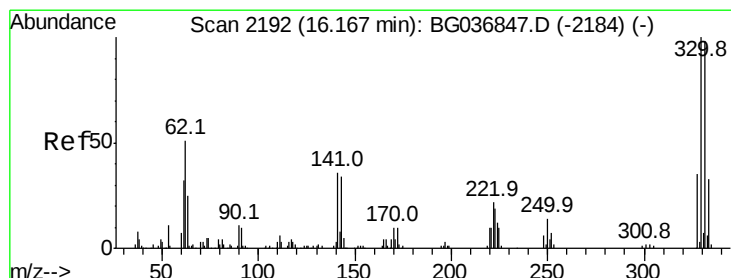
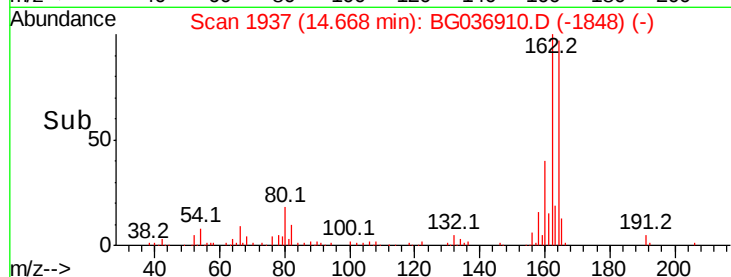
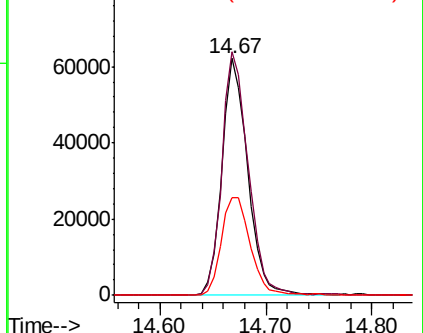
160 41.2 35.3 52.9



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: 107.736 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

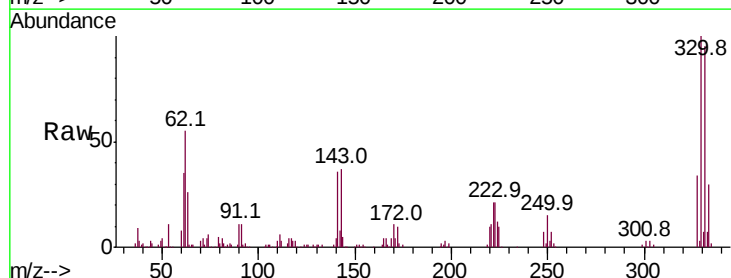
Tgt Ion:330 Resp: 136591

Ion Ratio Lower Upper

330 100

332 97.2 75.4 113.2

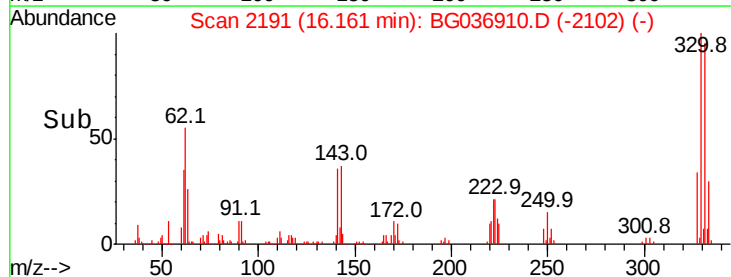
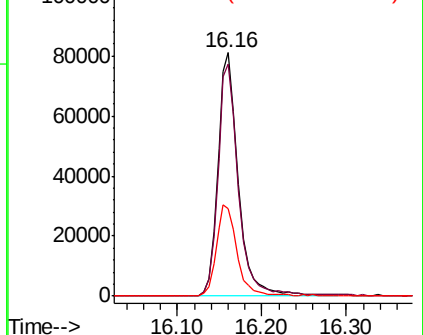
141 38.2 30.7 46.1

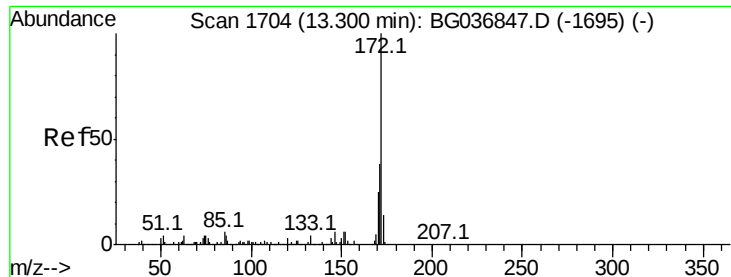


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.489 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Instrument :

BNA_G

ClientSampleId :

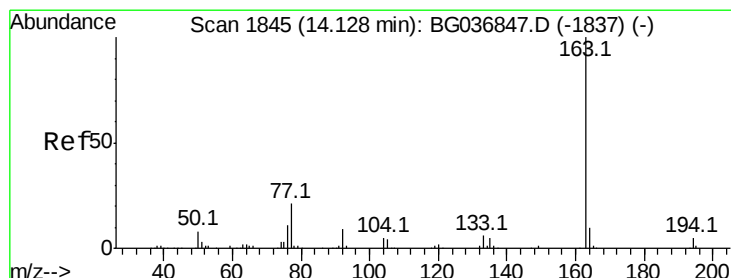
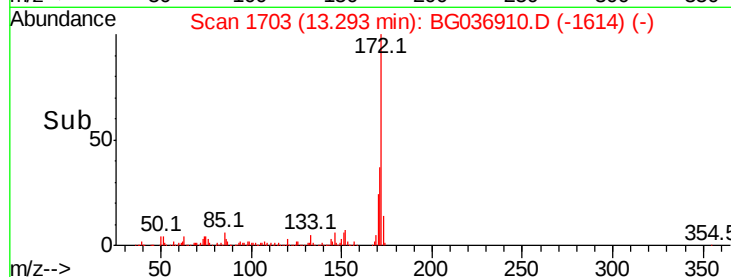
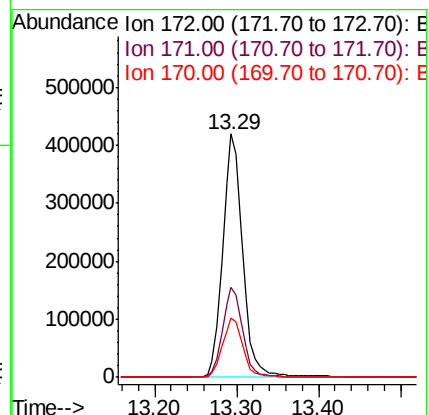
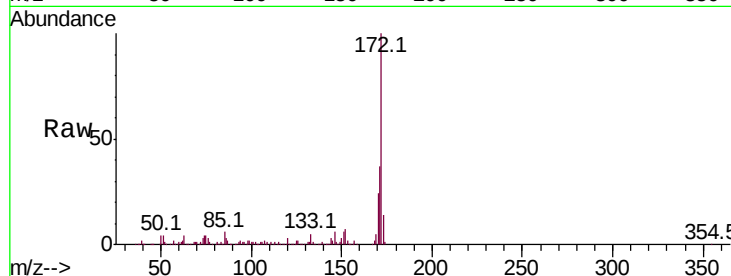
Tot Ion:172 Resp: 714961

Ion Ratio Lower Upper

172 100

171 37.0 31.3 46.9

170 24.4 21.0 31.6



#49

Dimethylphthalate

Concen: 2.980 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

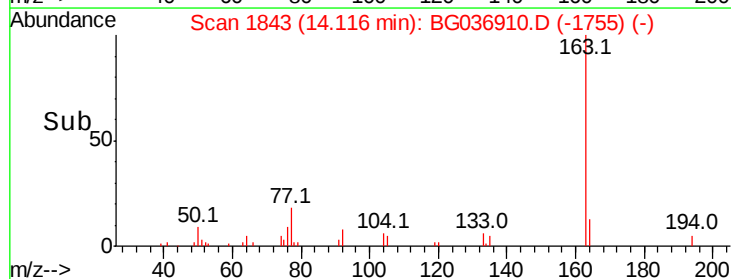
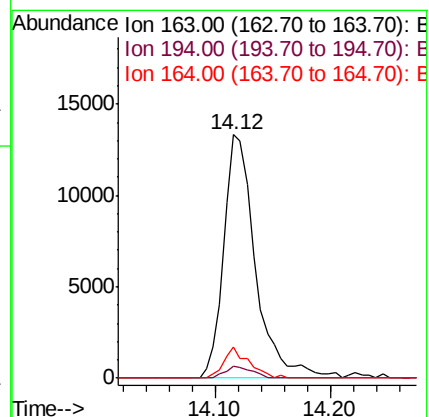
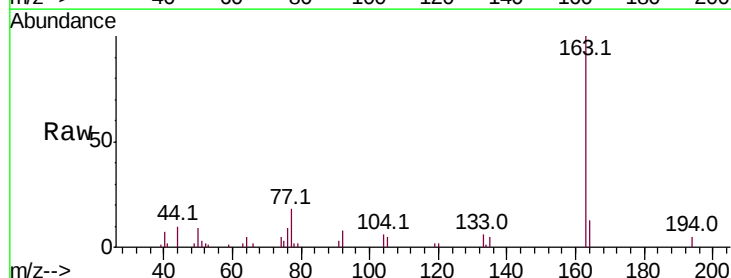
Tgt Ion:163 Resp: 25419

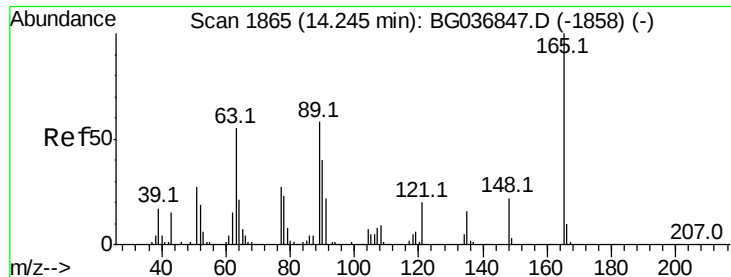
Ion Ratio Lower Upper

163 100

194 5.1 4.0 6.0

164 12.8 8.1 12.1#





#50

2,6-Dinitrotoluene

Concen: 7.206 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.42 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Instrument :

BNA_G

ClientSampled :

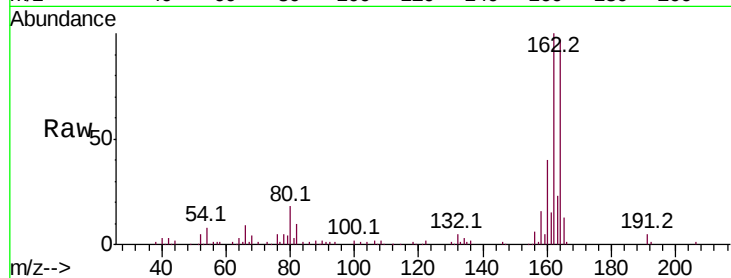
Tot Ion:165 Resp: 13410

Ion Ratio Lower Upper

165 100

63 2.2 50.1 75.1#

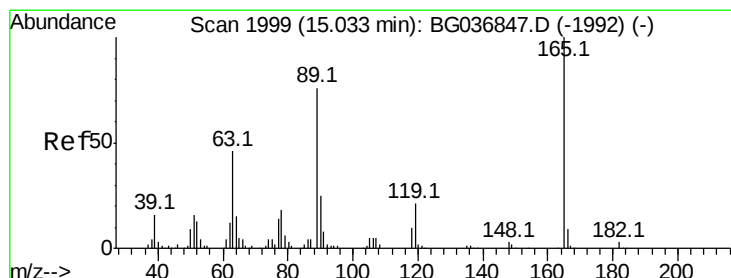
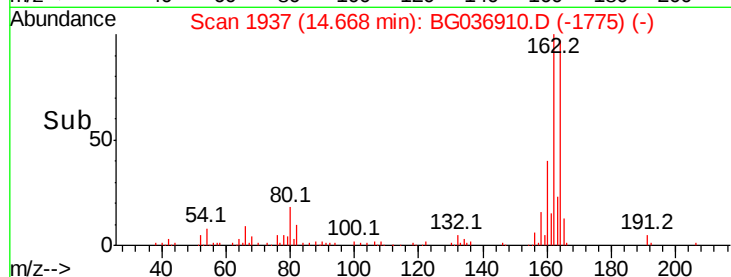
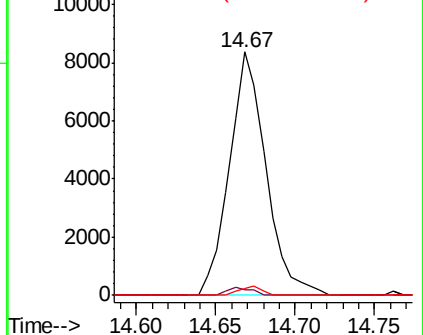
89 3.0 47.8 71.6#



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: 5.164 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.36 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Tgt Ion:165 Resp: 13410

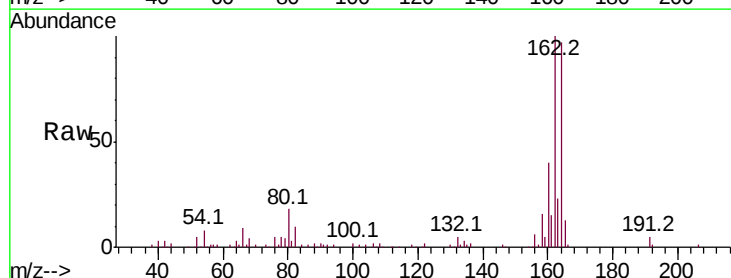
Ion Ratio Lower Upper

165 100

63 2.2 40.1 60.1#

89 3.0 63.7 95.5#

182 0.0 2.5 3.7#

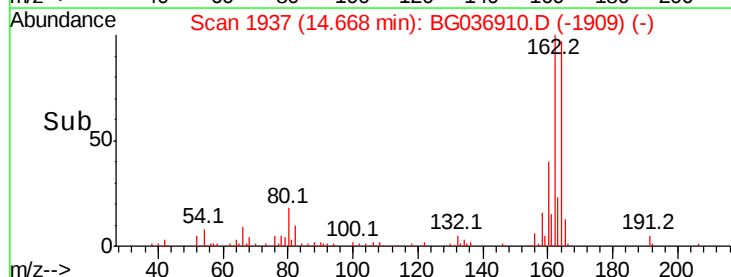
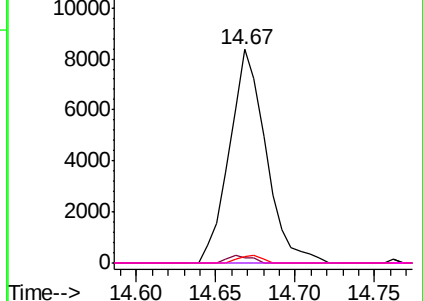


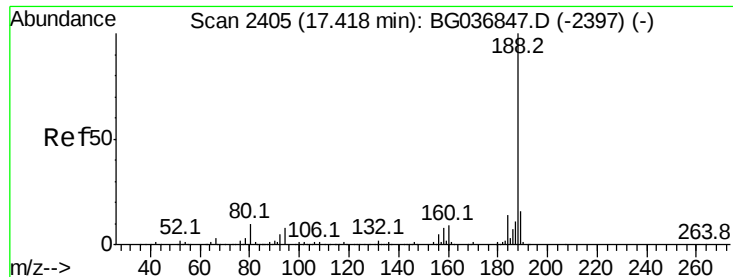
Abundance Ion 165.00 (164.70 to 165.70): E

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

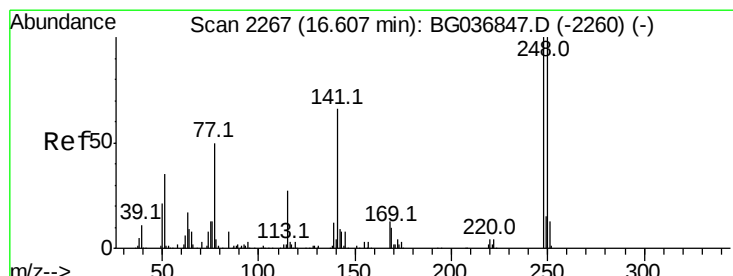
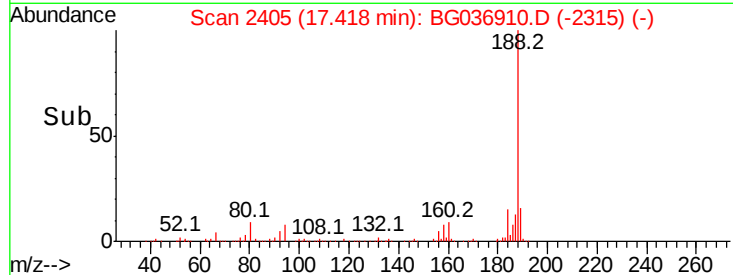
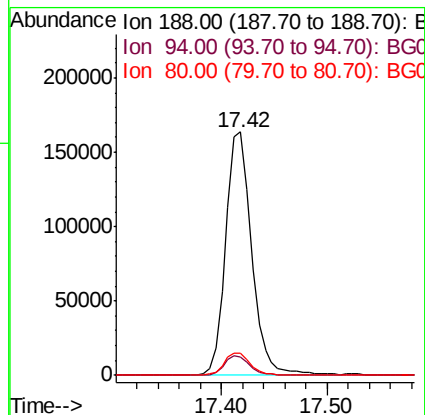
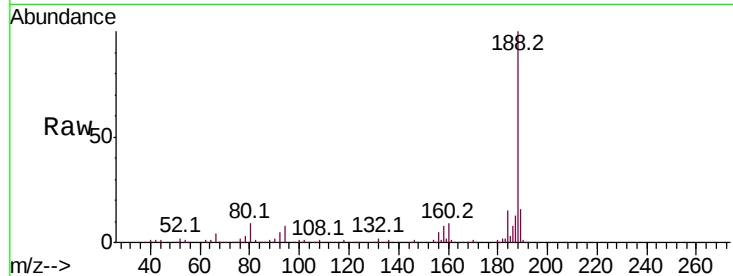




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG036910.D
 Acq: 23 Sep 2018 2:39

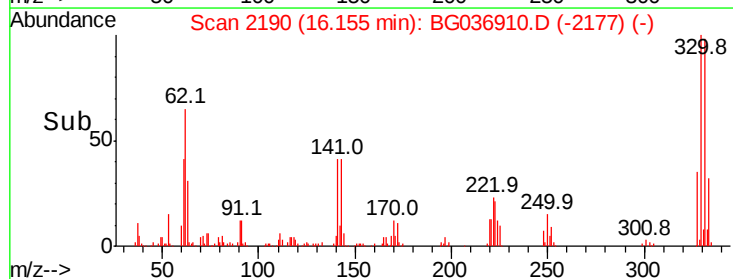
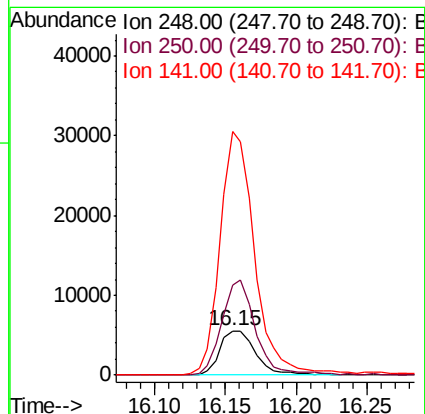
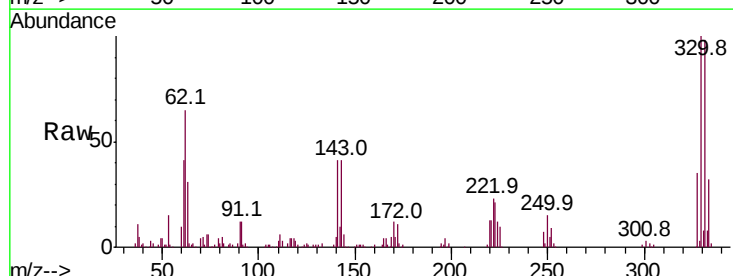
Instrument :
 BNA_G
 ClientSampled :

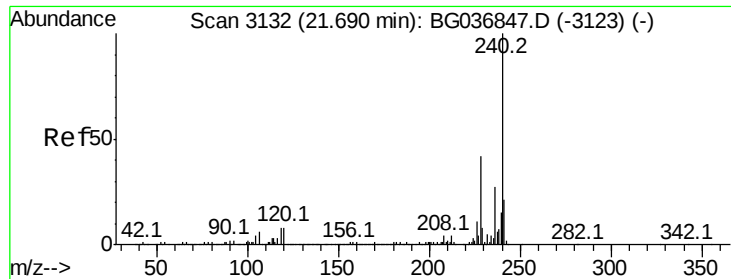
Tot Ion:188 Resp: 281076
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.7 10.1
 80 9.3 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.075 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036910.D
 Acq: 23 Sep 2018 2:39

Tgt Ion:248 Resp: 9830
 Ion Ratio Lower Upper
 248 100
 250 203.4 78.1 117.1#
 141 551.8 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

Instrument :

BNA_G

ClientSampleId :

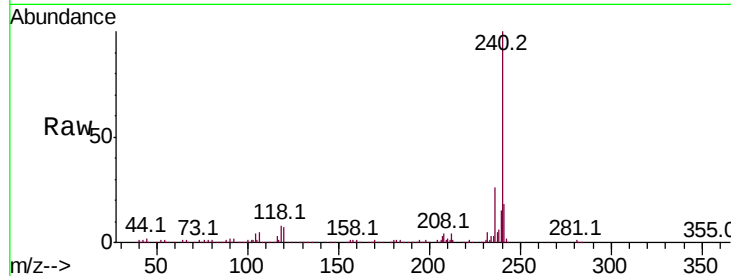
Tot Ion:240 Resp: 308448

Ion Ratio Lower Upper

240 100

120 7.5 6.9 10.3

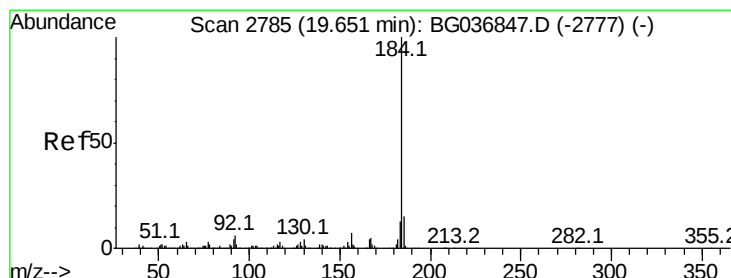
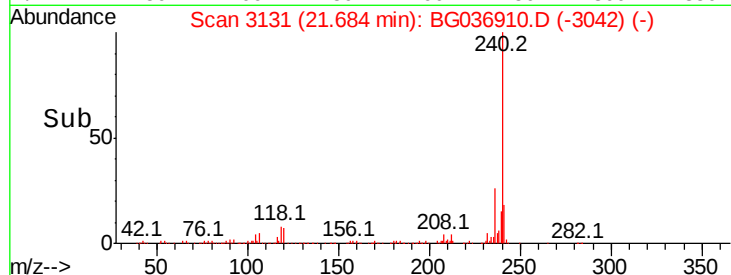
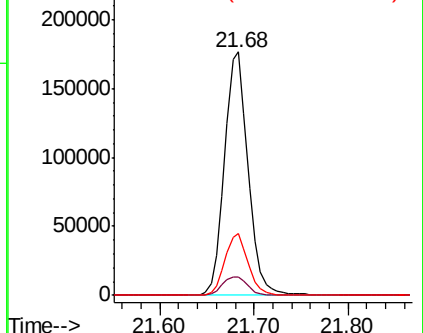
236 25.6 21.2 31.8



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: 2.621 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036910.D

Acq: 23 Sep 2018 2:39

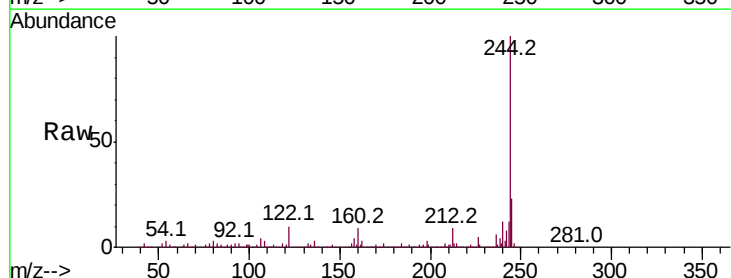
Tgt Ion:184 Resp: 24437

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

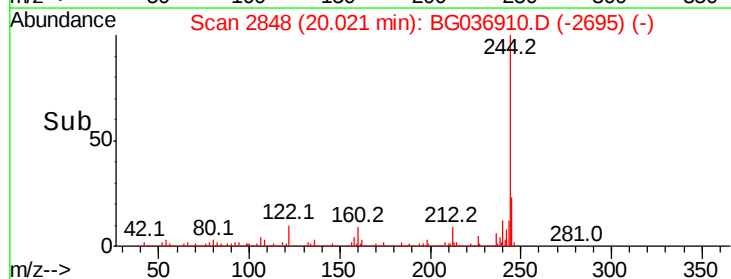
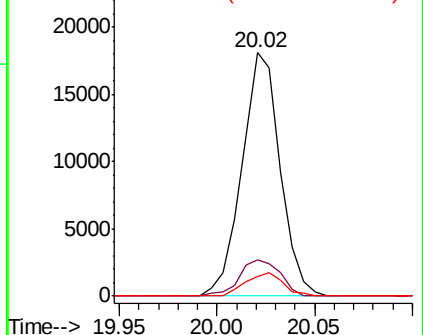
183 7.8 10.9 16.3#

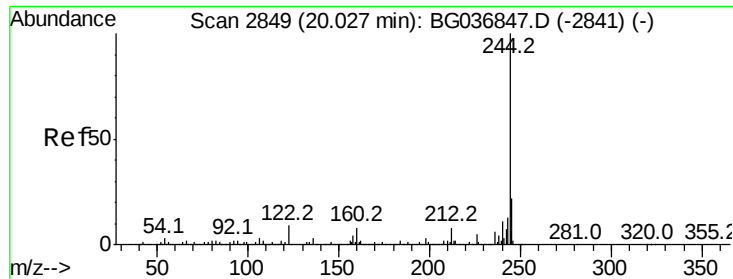


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



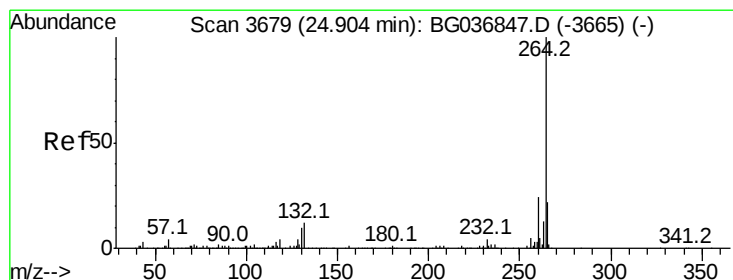
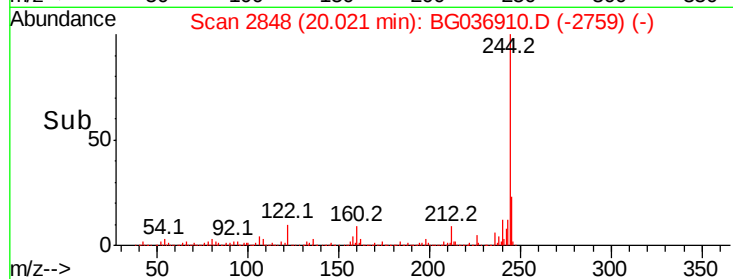
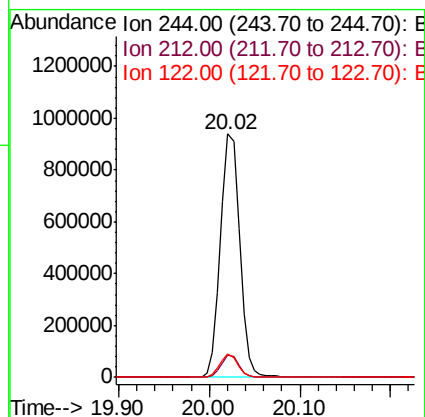
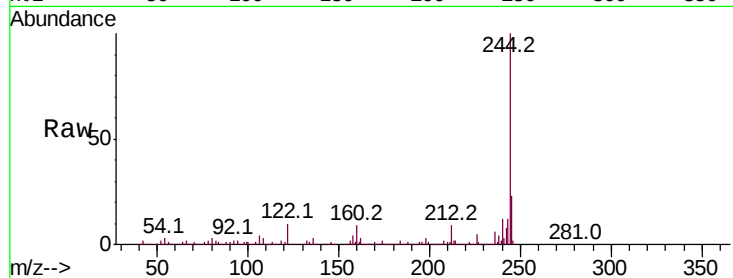


#78
 Terphenyl-d14
 Concen: 118.624 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BG036910.D
 Acq: 23 Sep 2018 2:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1391504

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.6
122	9.5	7.1	10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3676
 Delta R.T. -0.02 min
 Lab File: BG036910.D
 Acq: 23 Sep 2018 2:39

Tgt Ion:264 Resp: 305384

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	21.1	17.4	26.0

