

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035810.D
 Acq On : 21 Jul 2018 8:26
 Operator : JU/SJ
 Sample : J4062-24
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Jul 23 01:01:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

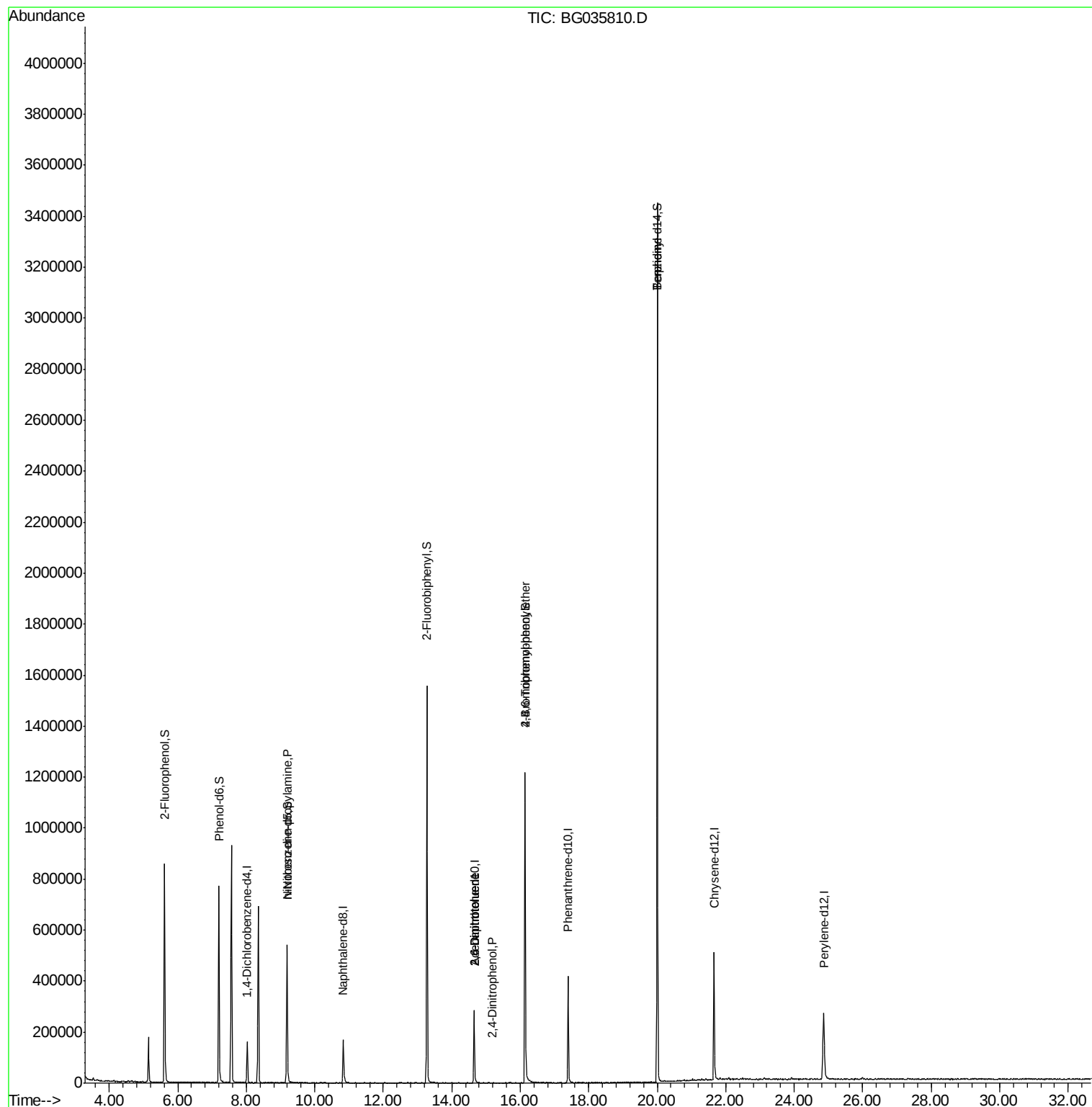
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	47607	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	160523	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	111456	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	303505	20.00	ng	0.00
75) Chrysene-d12	21.66	240	353593	20.00	ng	0.00
86) Perylene-d12	24.86	264	329305	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	373379	130.21	ng	0.00
7) Phenol-d6	7.20	99	484657	113.28	ng	0.00
23) Nitrobenzene-d5	9.19	82	384533	100.07	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	236687	161.11	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	860877	103.48	ng	0.00
78) Terphenyl-d14	20.00	244	1680617	104.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	51862	14.396	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	13745	6.912	ng	# 20
53) 2,4-Dinitrophenol	15.17	184	71	6.646	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	13745	4.818	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	19285	5.477	ng	# 1
76) Benzidine	20.00	184	30516	3.283	ng	# 94

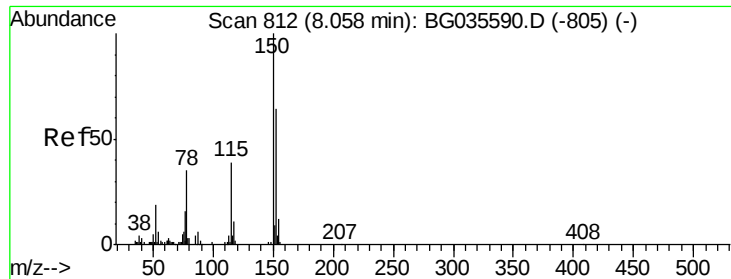
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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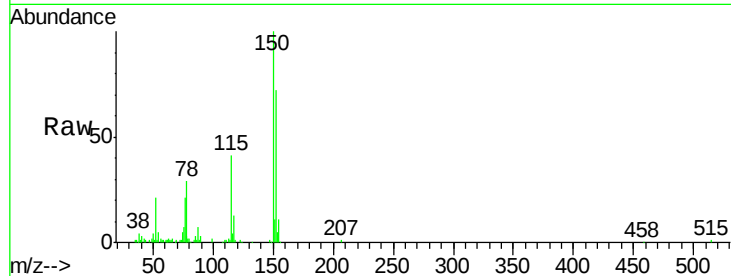


#1

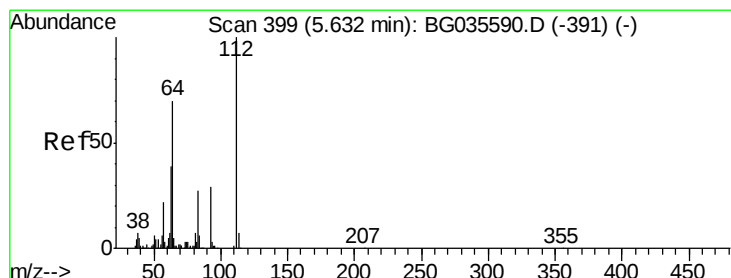
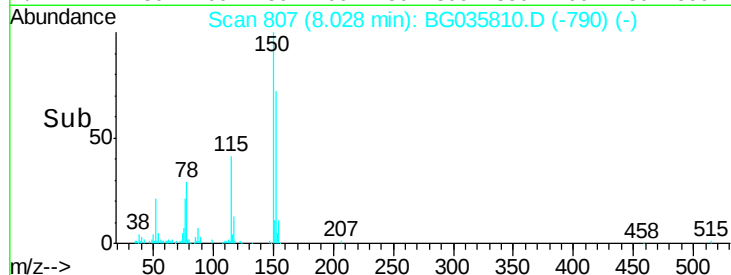
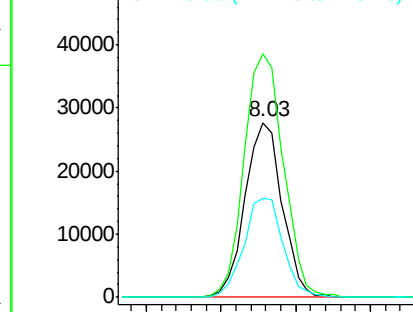
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BG035810.D
 Acq: 21 Jul 2018 8:26

Instrument :
 BNA_G
 ClientSampled :
 TP-8

Tgt Ion:152 Resp: 47607
 Ion Ratio Lower Upper
 152 100
 150 139.4 126.6 189.8
 115 56.9 53.0 79.4



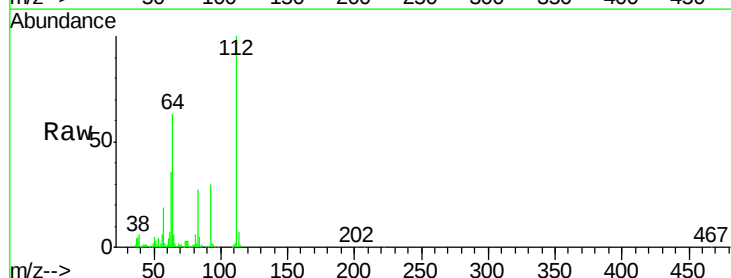
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



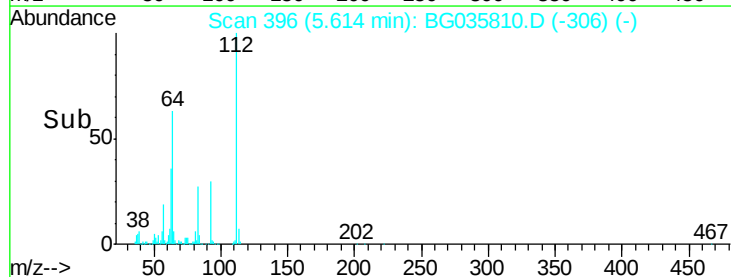
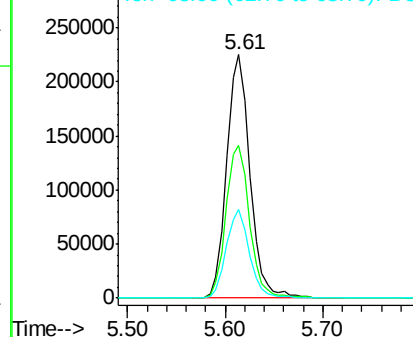
#5

2-Fluorophenol
 Concen: 130.211 ng
 RT: 5.61 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: BG035810.D
 Acq: 21 Jul 2018 8:26

Tgt Ion:112 Resp: 373379
 Ion Ratio Lower Upper
 112 100
 64 62.9 56.3 84.5
 63 36.5 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: 113.284 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

Instrument :

BNA_G

ClientSampleId :

TP-8

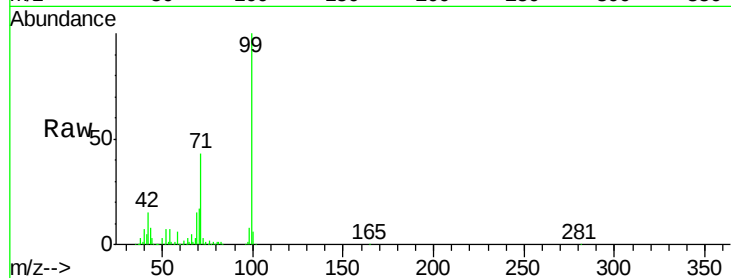
Tgt Ion: 99 Resp: 484657

Ion Ratio Lower Upper

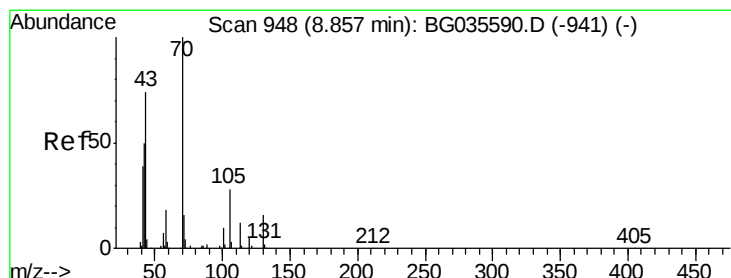
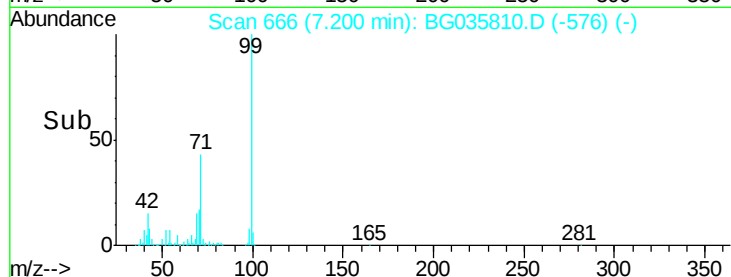
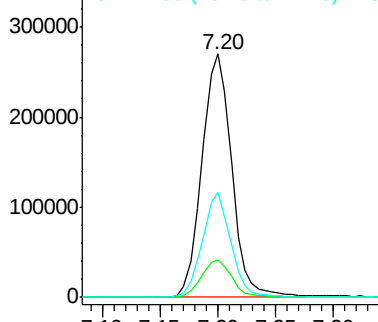
99 100

42 15.2 14.1 21.1

71 43.3 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: 14.396 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

Tgt Ion: 70 Resp: 51862

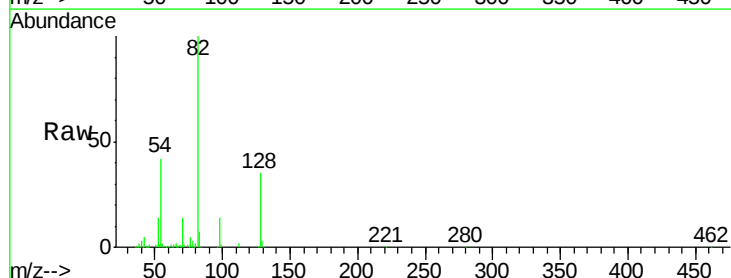
Ion Ratio Lower Upper

70 100

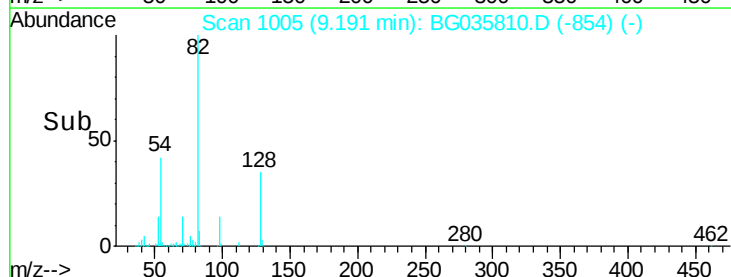
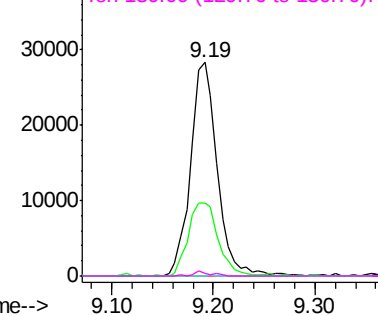
42 34.1 49.1 73.7#

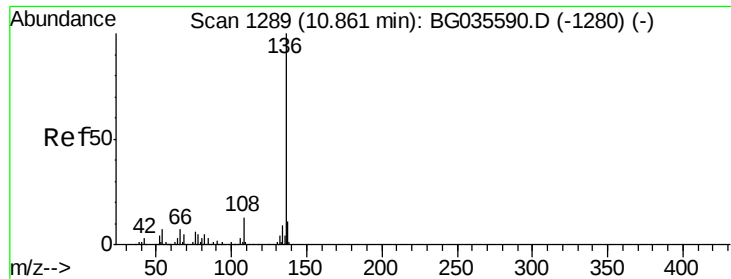
101 0.0 8.5 12.7#

130 1.2 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

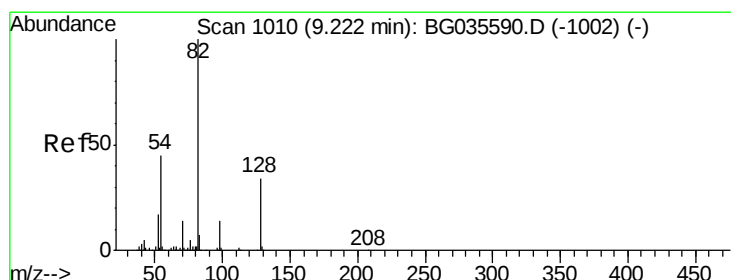
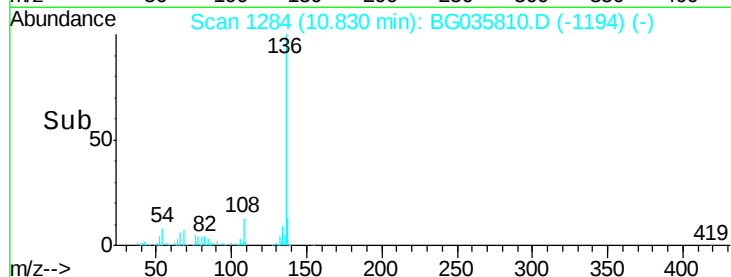
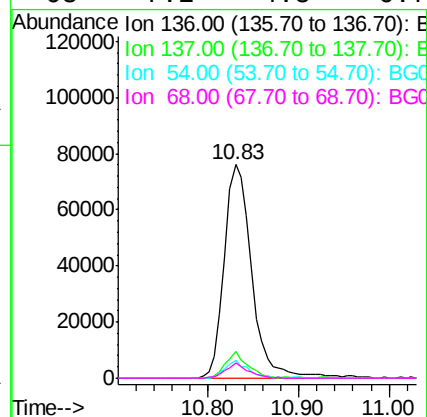
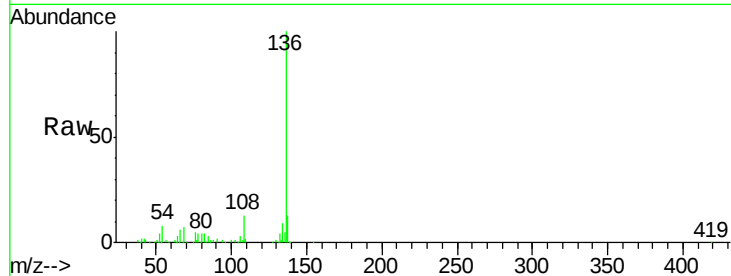




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

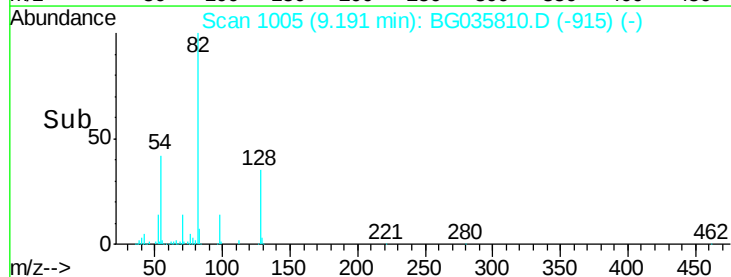
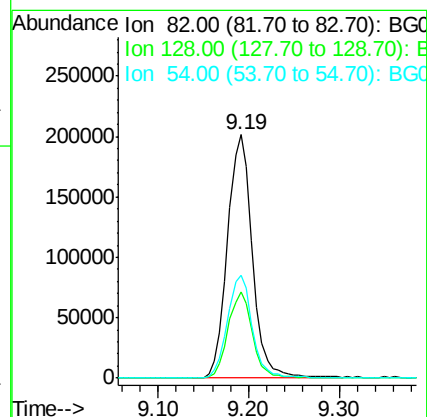
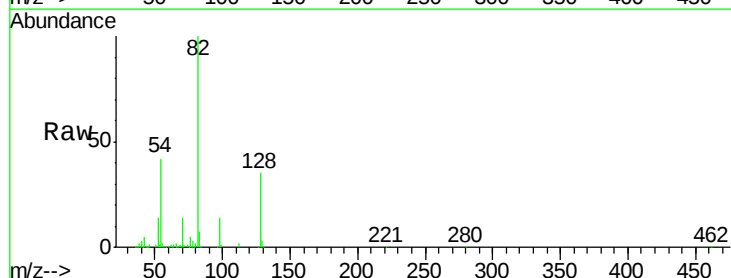
Instrument :
BNA_G
ClientSampleId :
TP-8

Tgt Ion:	136	Resp:	160523
Ion Ratio	Lower	Upper	
136	100		
137	12.8	9.2	13.8
54	8.4	10.3	15.5#
68	7.2	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 100.071 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

Tgt Ion:	82	Resp:	384533
Ion Ratio	Lower	Upper	
82	100		
128	35.3	29.7	44.5
54	42.4	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

Instrument :

BNA_G

ClientSampleId :

TP-8

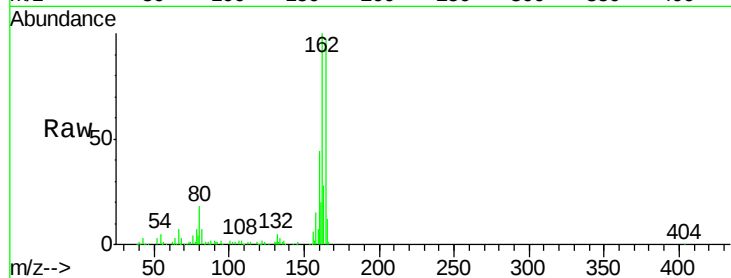
Tgt Ion:164 Resp: 111456

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

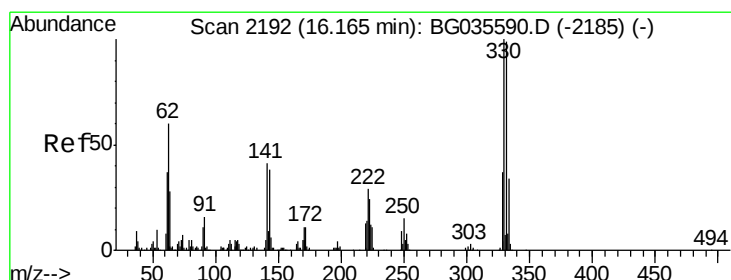
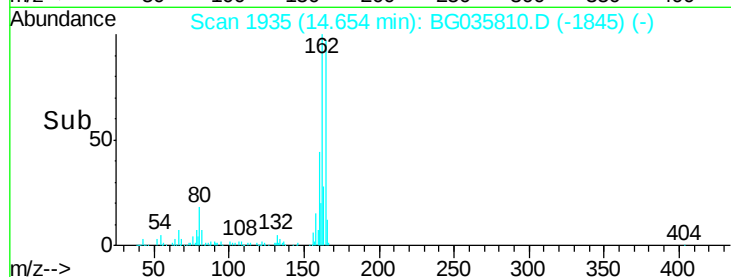
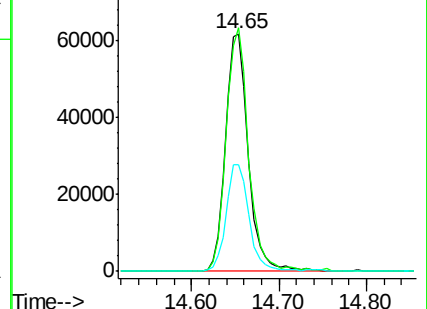
160 45.1 35.4 53.0



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: 161.114 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

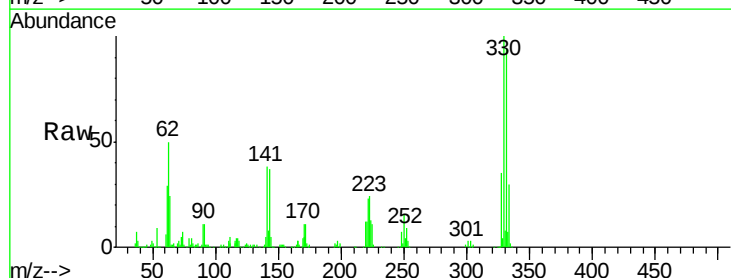
Tgt Ion:330 Resp: 236687

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

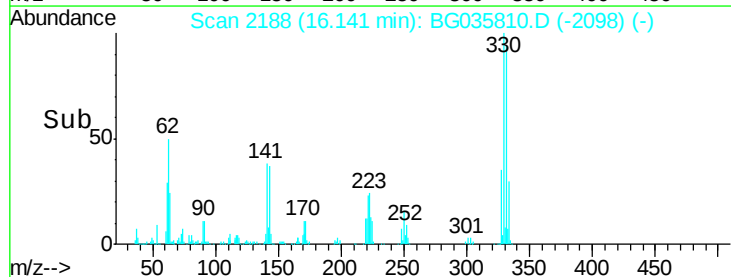
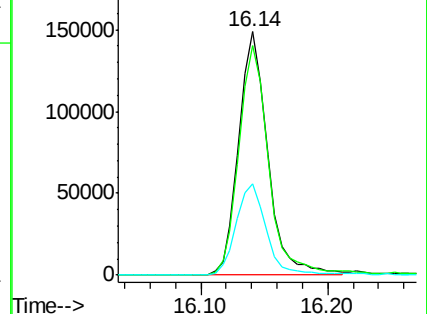
141 39.2 25.2 37.8#

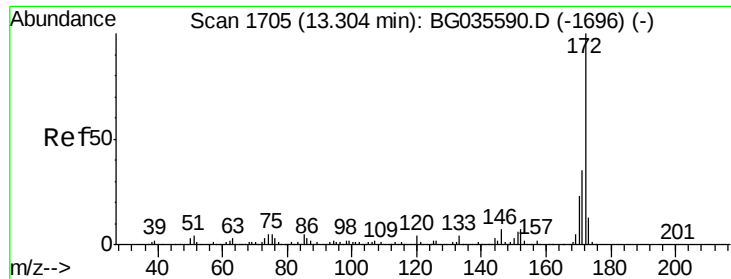


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

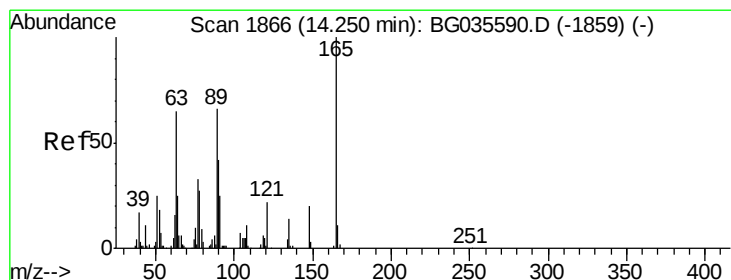
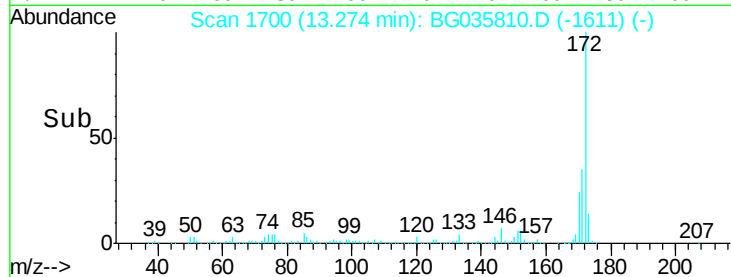
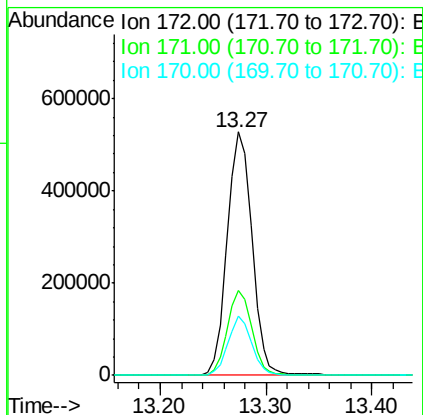
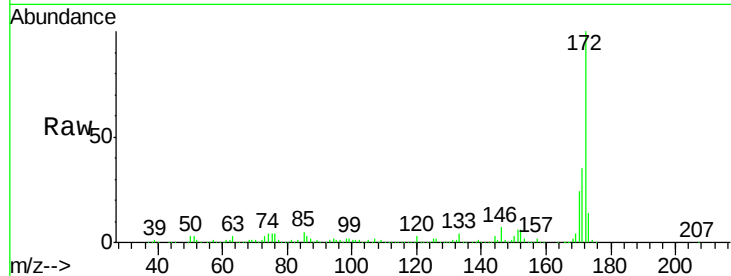




#44
 2-Fluorobiphenyl
 Concen: 103.480 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035810.D
 Acq: 21 Jul 2018 8:26

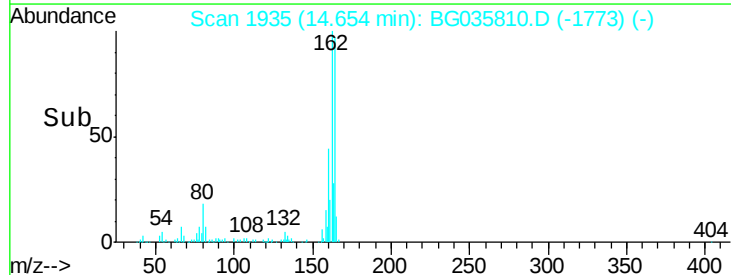
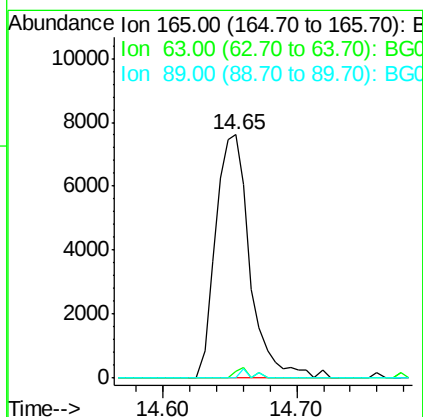
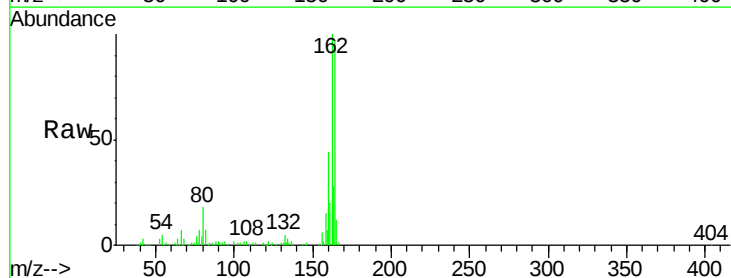
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 BNA_G
 ClientSampleId :
 TP-8

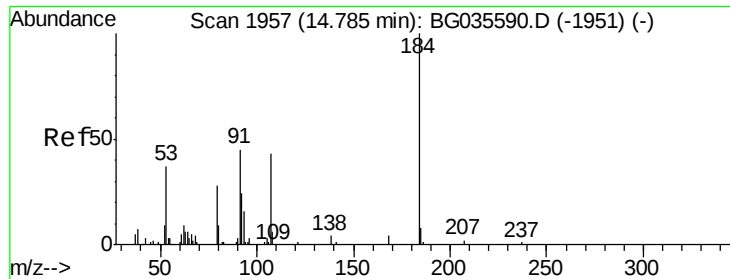
Tgt Ion:172 Resp: 860877
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 24.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.912 ng
 RT: 14.65 min Scan# 1935
 Delta R.T. 0.42 min
 Lab File: BG035810.D
 Acq: 21 Jul 2018 8:26

Tgt Ion:165 Resp: 13745
 Ion Ratio Lower Upper
 165 100
 63 3.0 52.7 79.1#
 89 0.0 49.2 73.8#

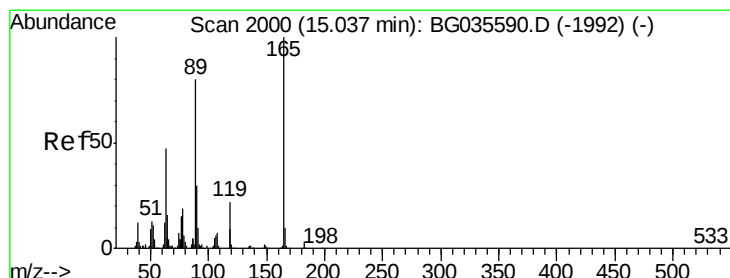
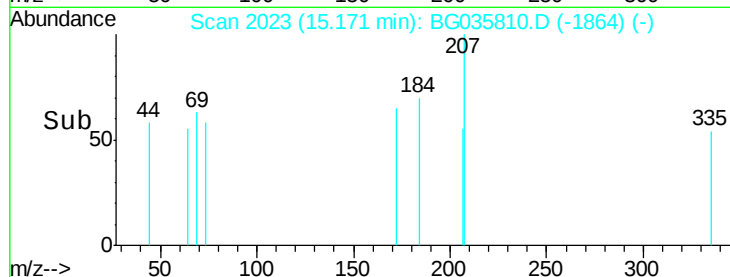
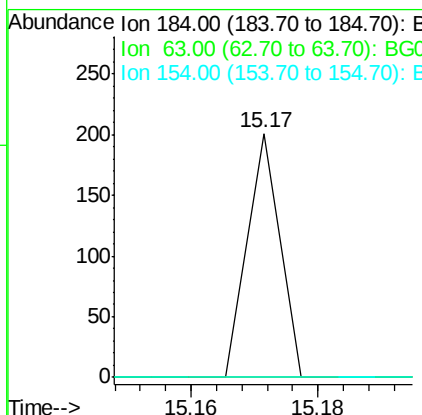
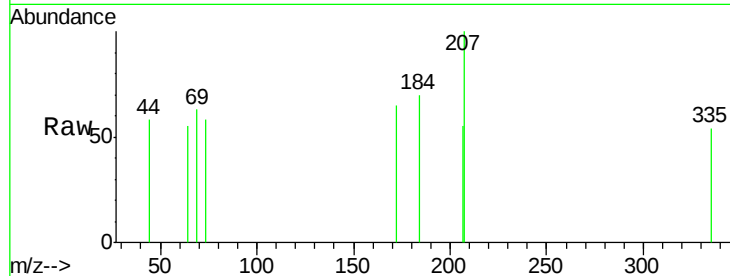




#53
2,4-Dinitrophenol
Concen: 6.646 ng
RT: 15.17 min Scan# 2023
Delta R.T. 0.41 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

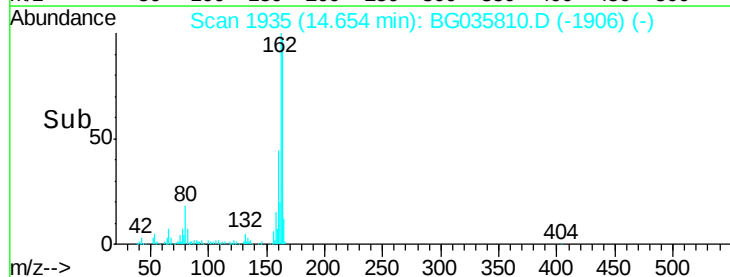
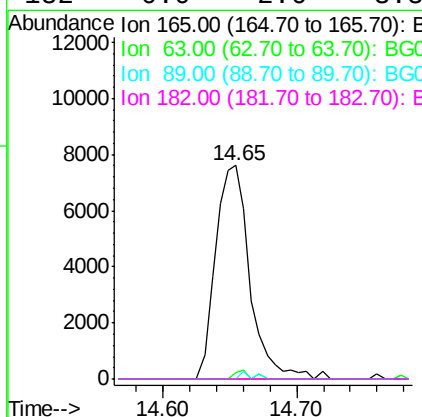
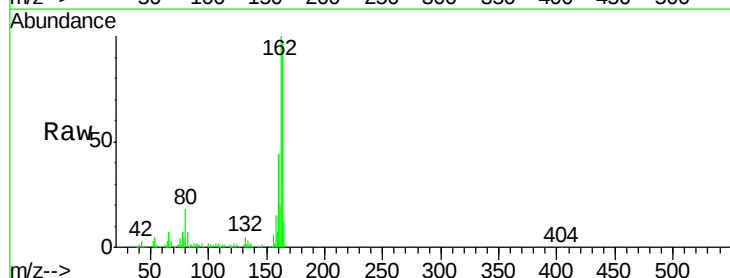
Instrument :
BNA_G
ClientSampled :
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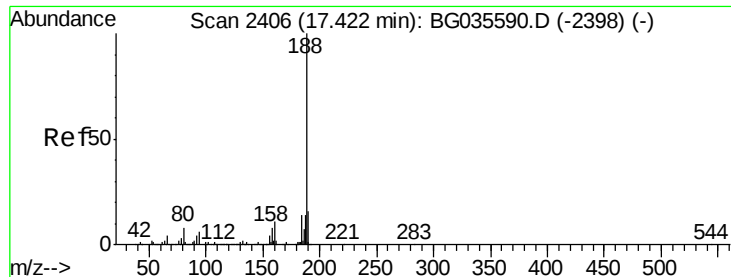
Tgt Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.818 ng
RT: 14.65 min Scan# 1935
Delta R.T. -0.36 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

Tgt Ion:165 Resp: 13745
Ion Ratio Lower Upper
165 100
63 3.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

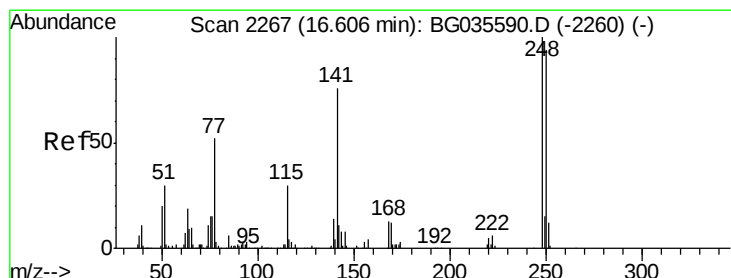
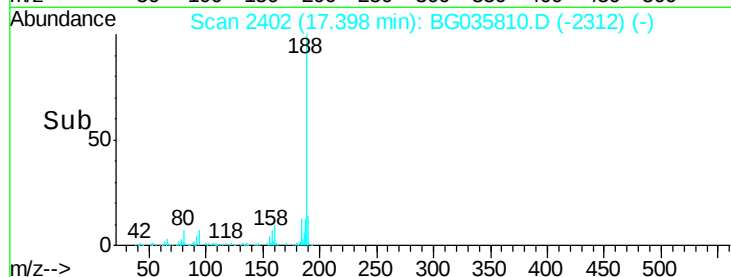
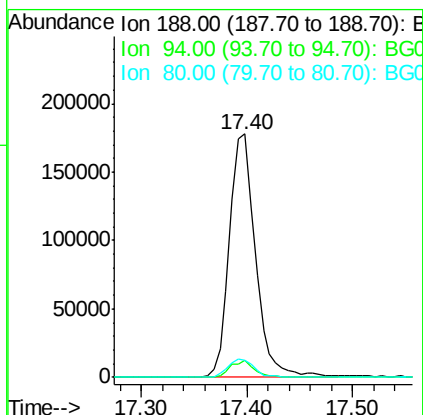
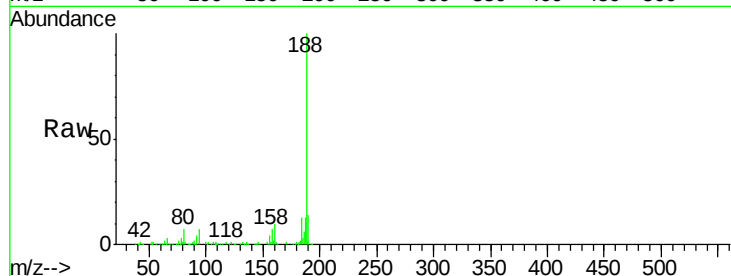




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

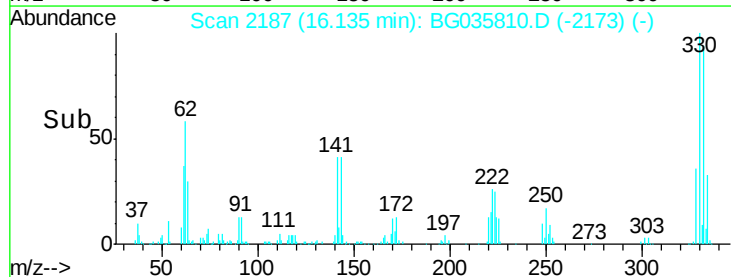
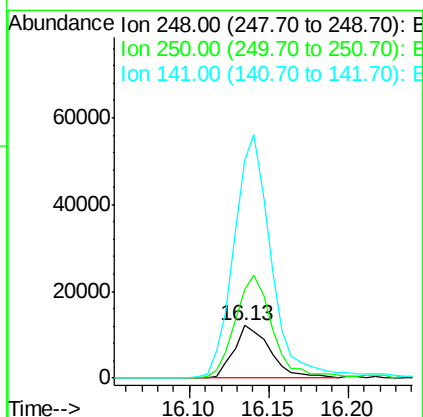
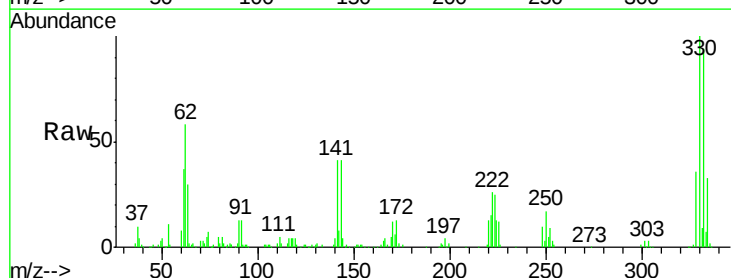
Instrument :
BNA_G
ClientSampleId :
TP-8

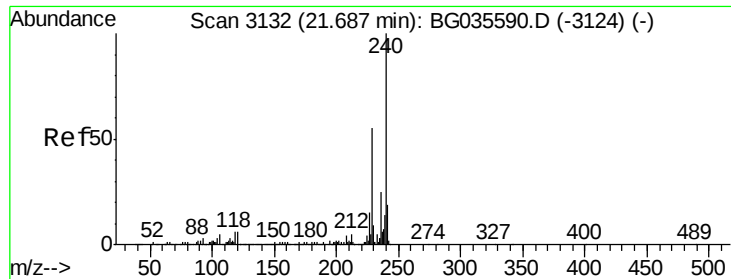
Tgt Ion:188 Resp: 303505
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 6.9 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.477 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035810.D
Acq: 21 Jul 2018 8:26

Tgt Ion:248 Resp: 19285
Ion Ratio Lower Upper
248 100
250 168.0 77.1 115.7#
141 415.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

Instrument :

BNA_G

ClientSampleId :

TP-8

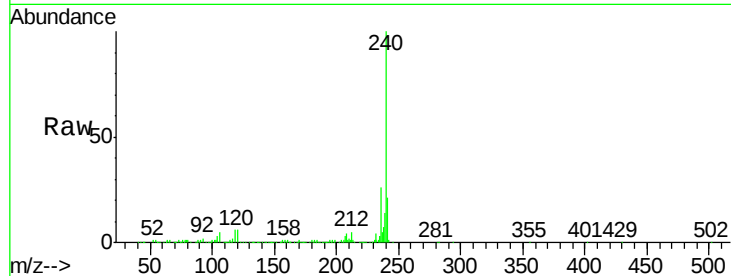
Tgt Ion:240 Resp: 353593

Ion Ratio Lower Upper

240 100

120 6.5 6.8 10.2#

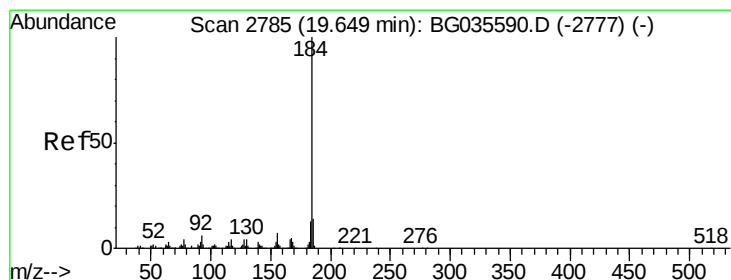
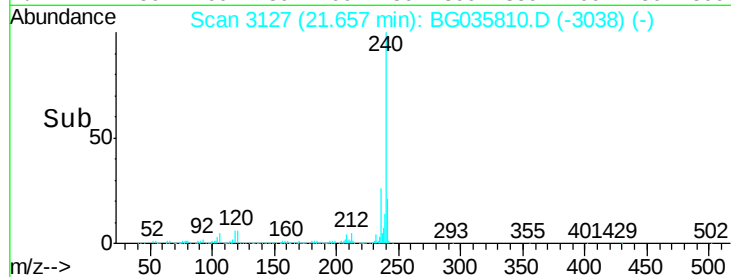
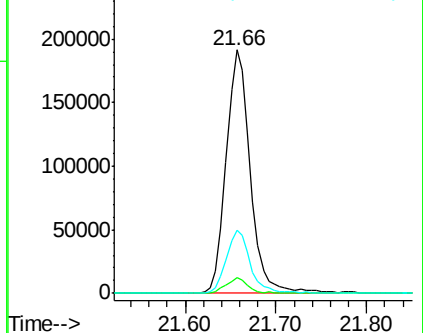
236 25.7 20.9 31.3



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: 3.283 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

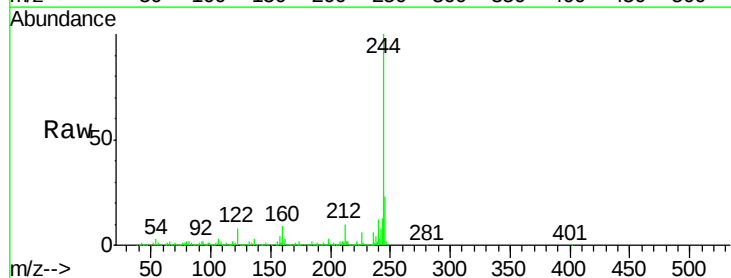
Tgt Ion:184 Resp: 30516

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

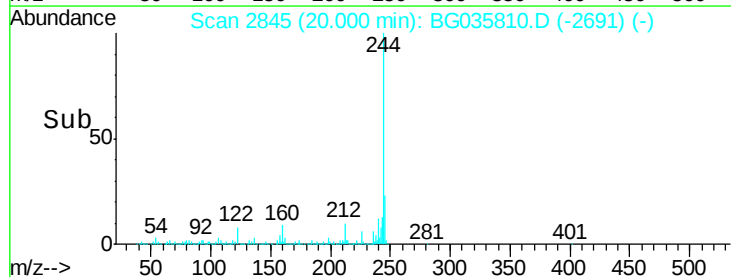
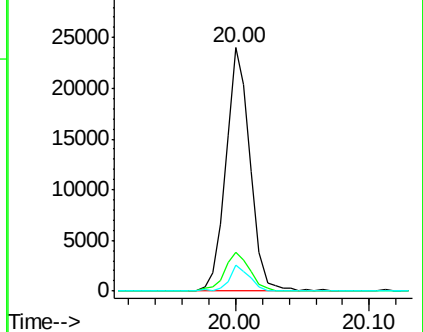
183 10.6 10.6 16.0#

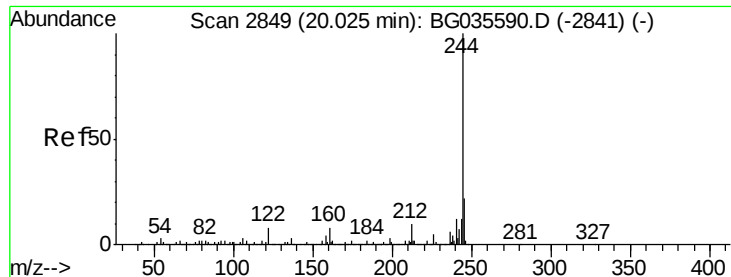


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.770 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

Instrument :

BNA_G

ClientSampled :

TP-8

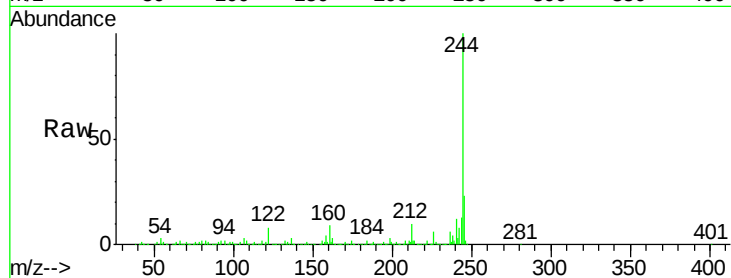
Tgt Ion:244 Resp: 1680617

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

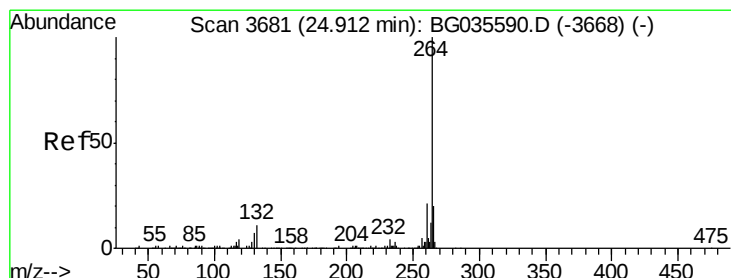
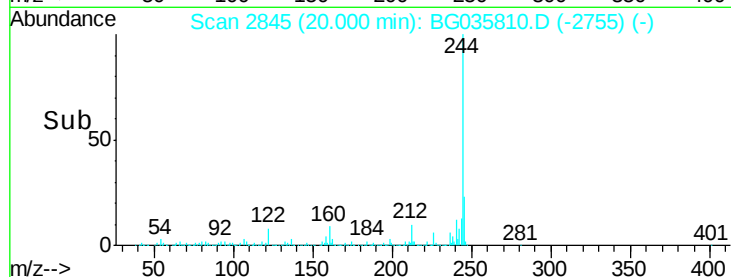
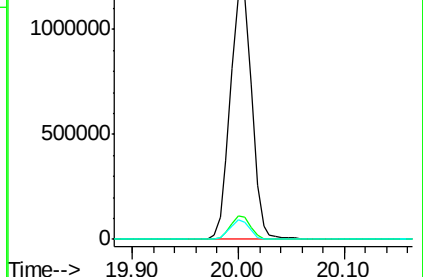
122 7.9 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG035810.D

Acq: 21 Jul 2018 8:26

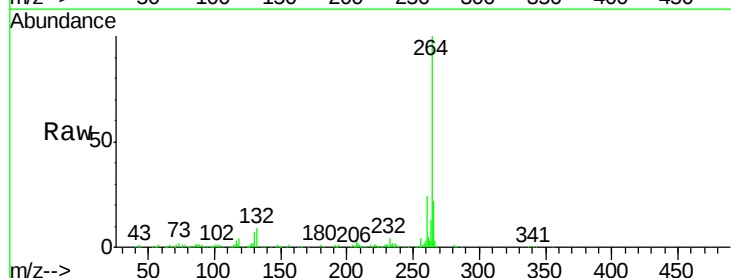
Tgt Ion:264 Resp: 329305

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.5 17.7 26.5



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

