

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035687.D
 Acq On : 17 Jul 2018 17:54
 Operator : JU/SJ
 Sample : J3819-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-071318-D

Quant Time: Jul 18 01:10:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

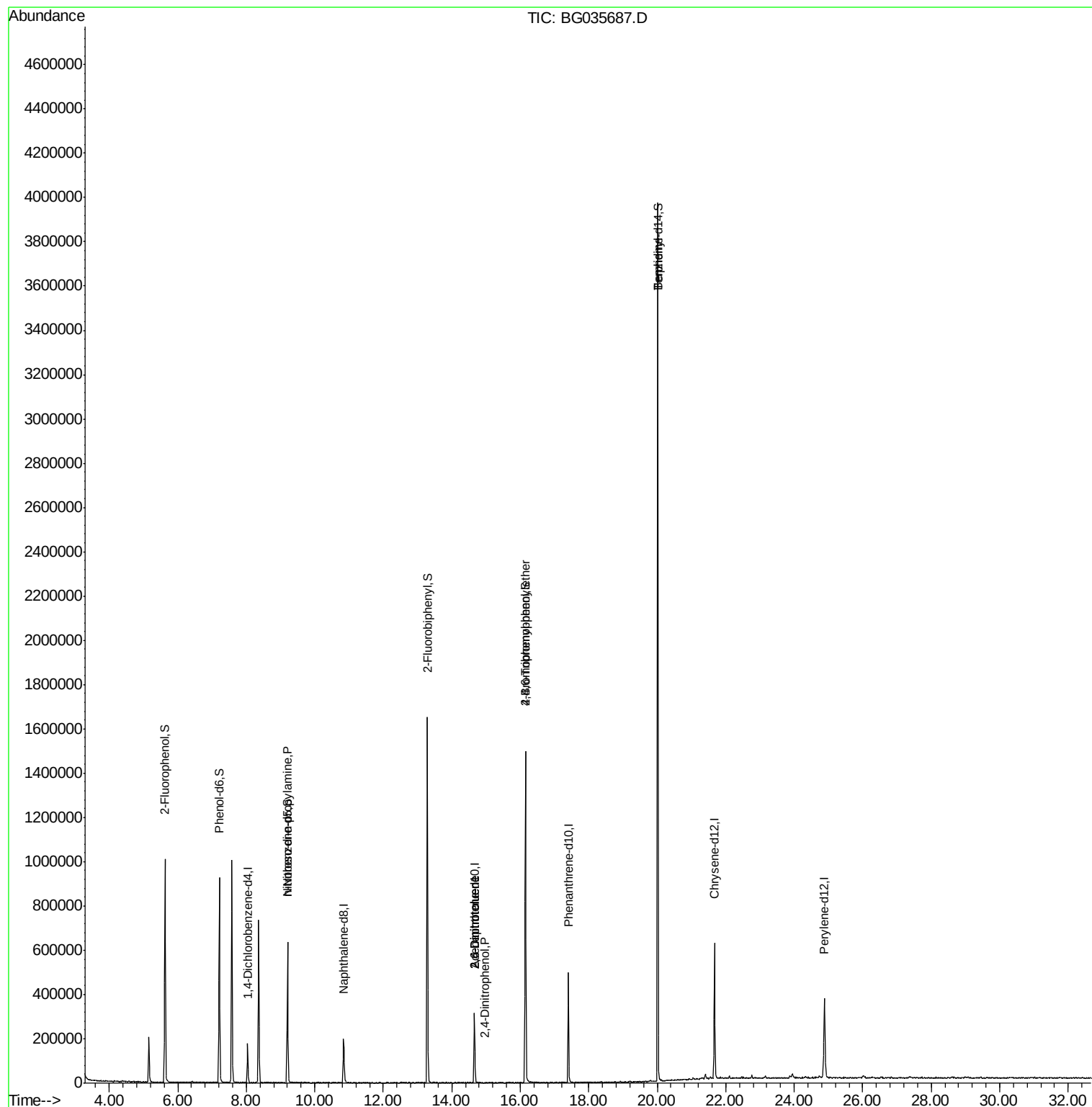
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49393	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	175373	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	117423	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	328978	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	398444	20.00	ng	-0.02
86) Perylene-d12	24.88	264	381023	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	435448	146.37	ng	0.00
7) Phenol-d6	7.21	99	570283	128.48	ng	0.00
23) Nitrobenzene-d5	9.20	82	429159	102.23	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	274446	177.32	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	883806	100.84	ng	-0.02
78) Terphenyl-d14	20.02	244	1860615	102.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	58005	15.518	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	15941	7.609	ng	# 19
53) 2,4-Dinitrophenol	14.97	184	59	6.632	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	15941	5.304	ng	# 17
66) 4-Bromophenyl-phenylether	16.15	248	21622	5.665	ng	# 1
76) Benzidine	20.02	184	34365	3.281	ng	# 94

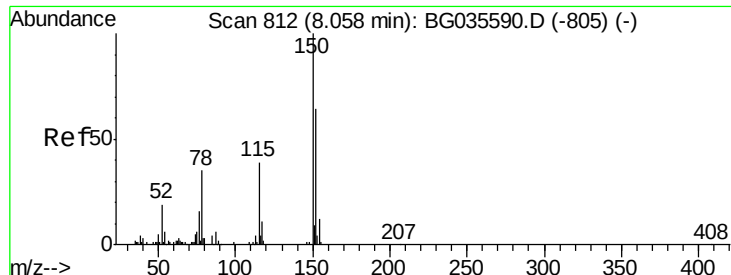
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration



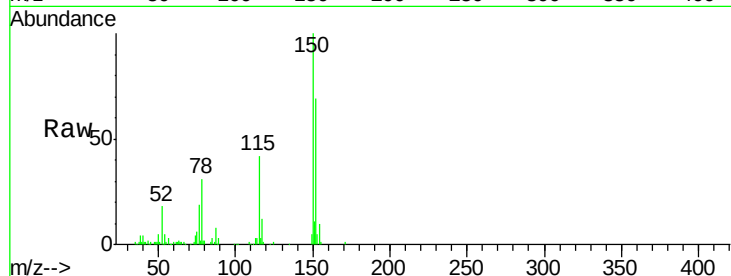


#1

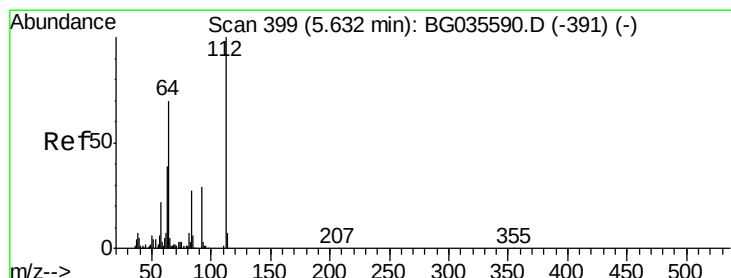
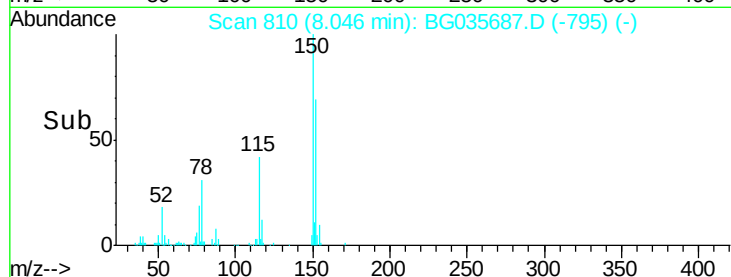
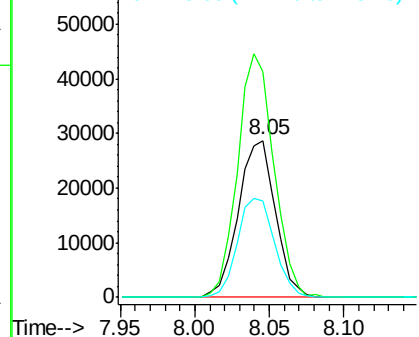
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Instrument :
BNA_G
ClientSampleId :
AU-05-071318-D

Tgt Ion:152 Resp: 49393
Ion Ratio Lower Upper
152 100
150 144.1 126.6 189.8
115 61.2 53.0 79.4



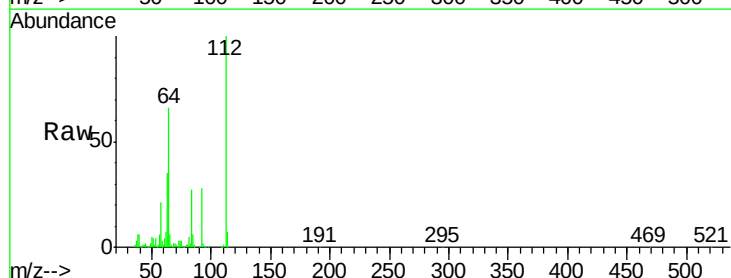
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



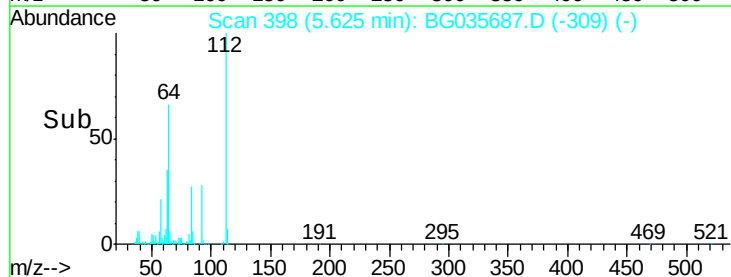
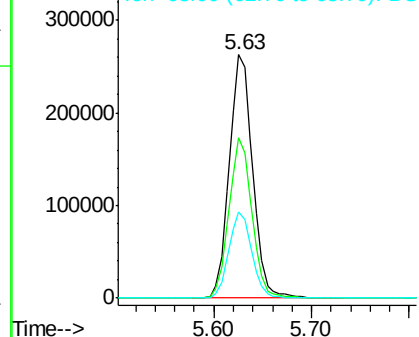
#5

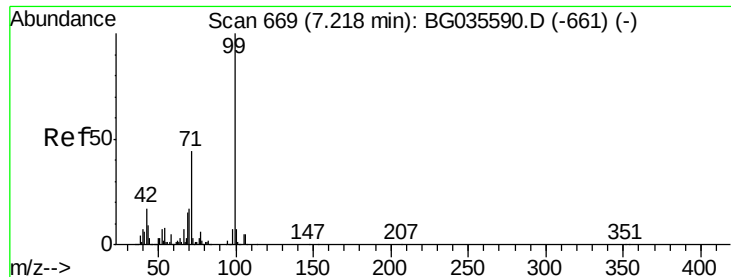
2-Fluorophenol
Concen: 146.366 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Tgt Ion:112 Resp: 435448
Ion Ratio Lower Upper
112 100
64 66.1 56.3 84.5
63 35.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 128.478 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Instrument :

BNA_G

ClientSampleId :

AU-05-071318-D

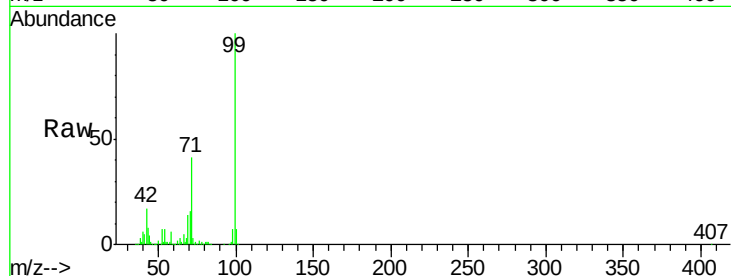
Tgt Ion: 99 Resp: 570283

Ion Ratio Lower Upper

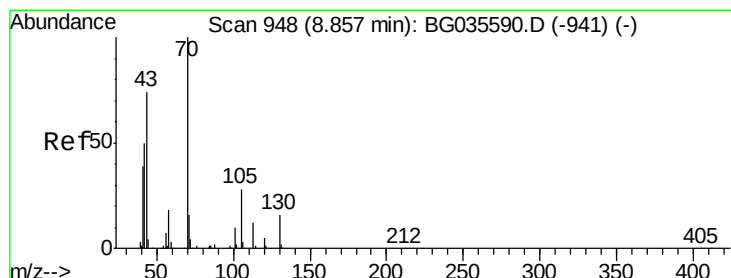
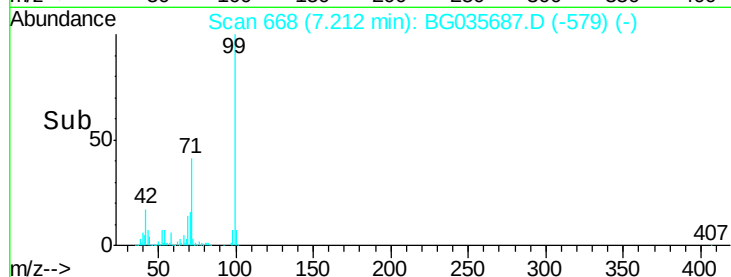
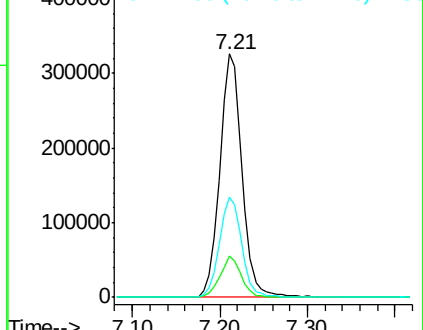
99 100

42 16.8 14.1 21.1

71 41.1 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: 15.518 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Tgt Ion: 70 Resp: 58005

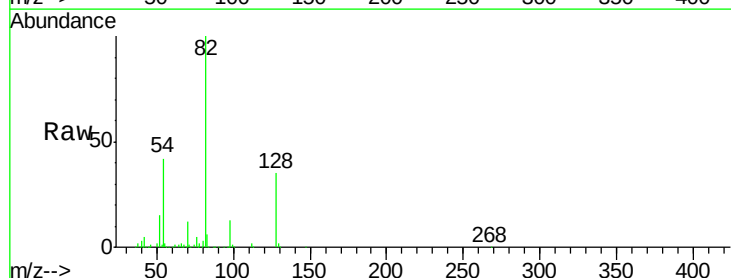
Ion Ratio Lower Upper

70 100

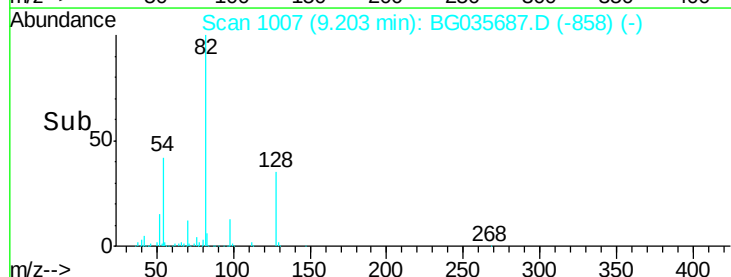
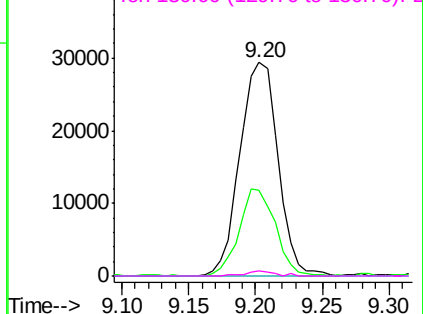
42 40.0 49.1 73.7#

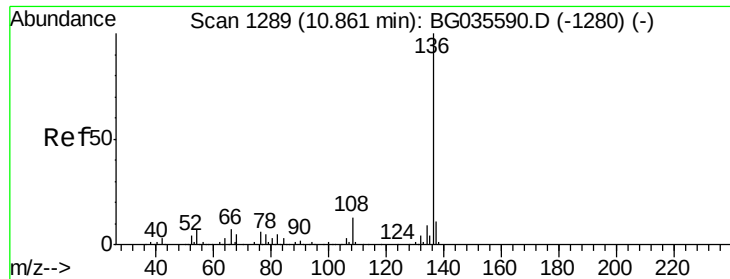
101 0.0 8.5 12.7#

130 2.3 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

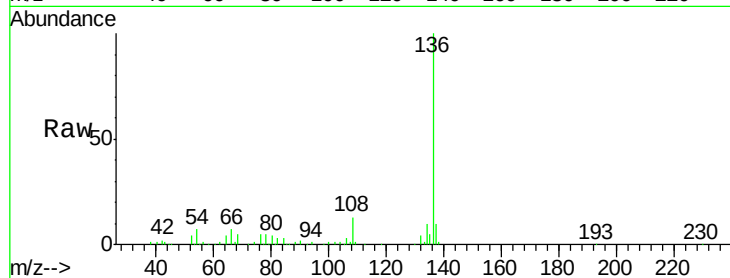




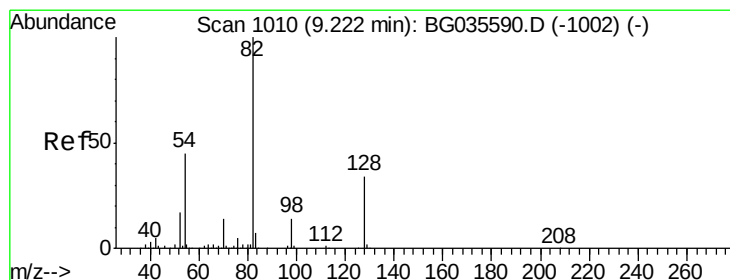
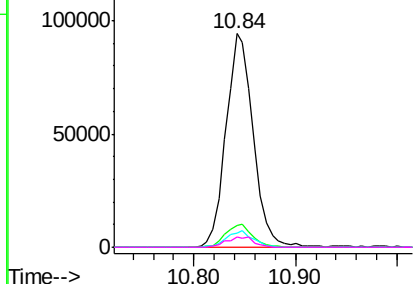
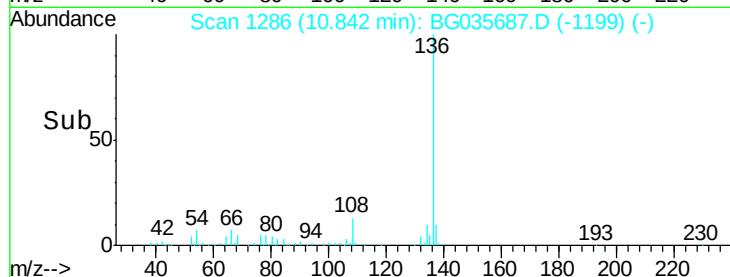
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Instrument :
BNA_G
ClientSampleId :
AU-05-071318-D

Tgt Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	6.7	10.3	15.5#
68	4.5	4.5	6.7

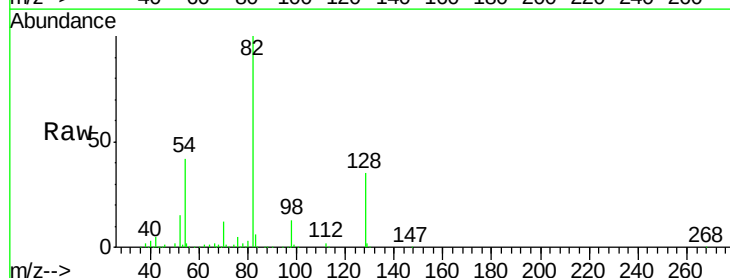


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

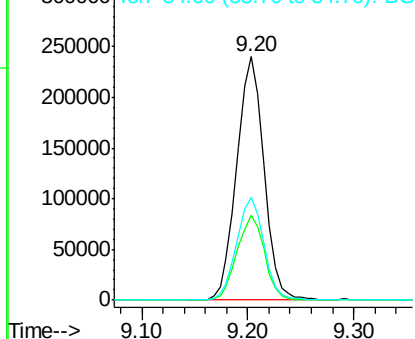
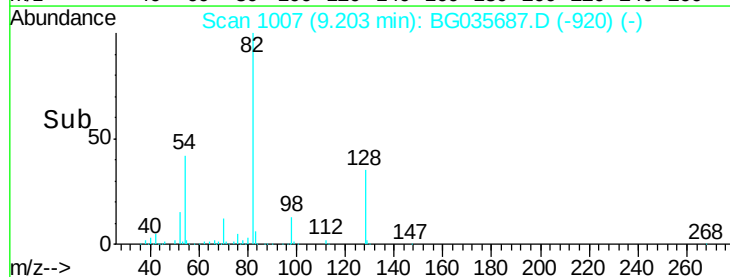


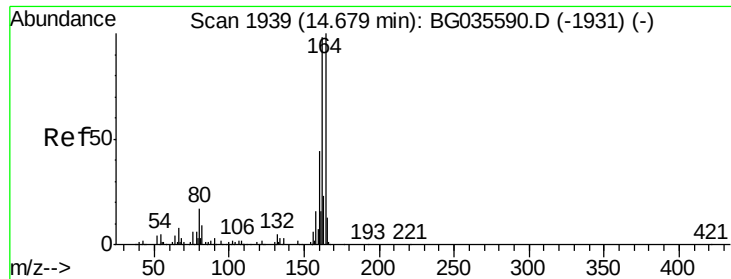
#23
Nitrobenzene-d5
Concen: 102.228 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	42.2	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: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Instrument :

BNA_G

ClientSampleId :

AU-05-071318-D

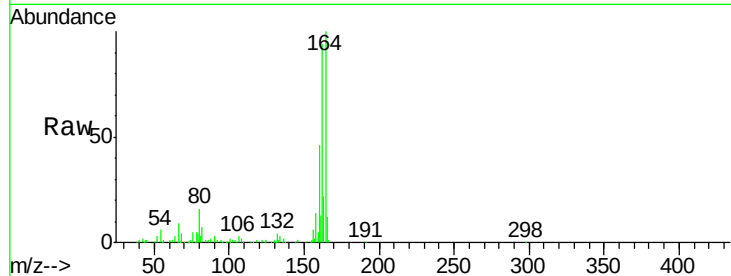
Tgt Ion:164 Resp: 117423

Ion Ratio Lower Upper

164 100

162 93.7 78.8 118.2

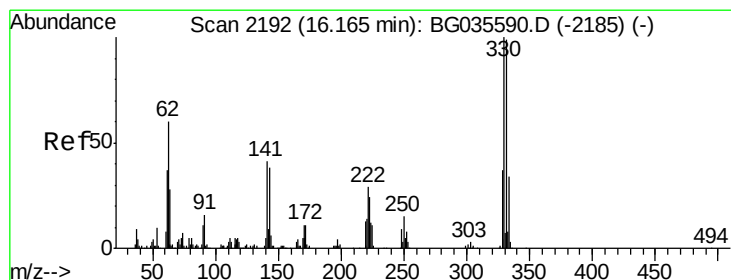
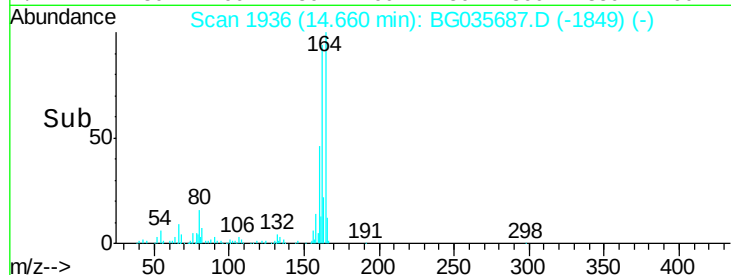
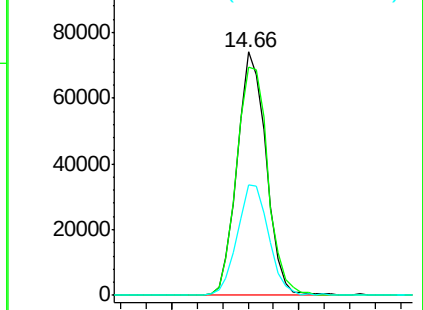
160 45.6 35.4 53.0



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: 177.324 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

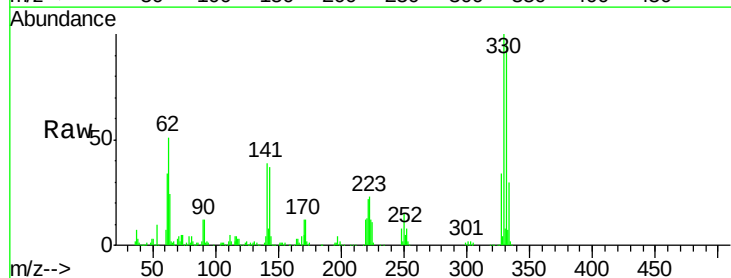
Tgt Ion:330 Resp: 274446

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

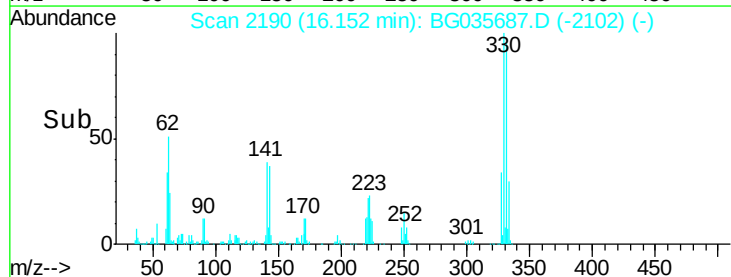
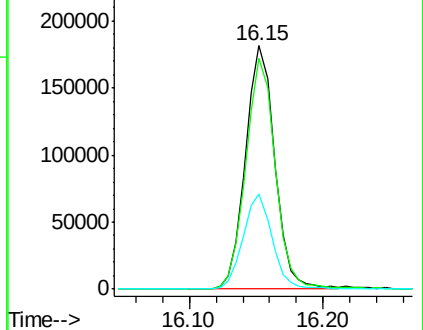
141 38.7 25.2 37.8#

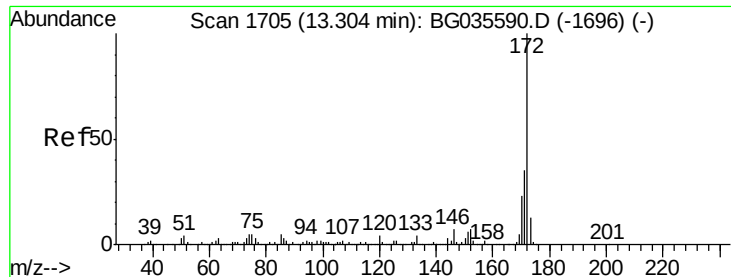


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

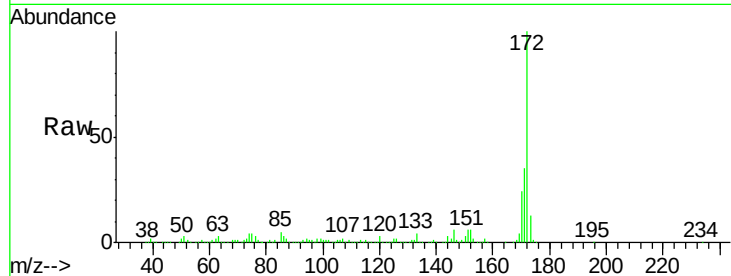




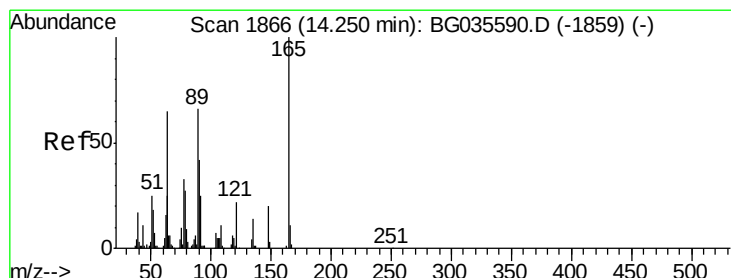
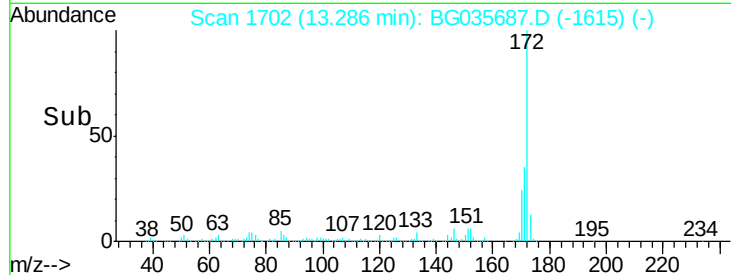
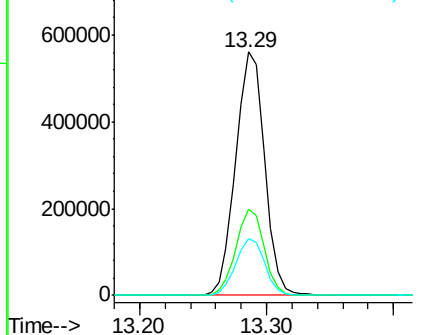
#44
2-Fluorobiphenyl
Concen: 100.838 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Instrument :
BNA_G
ClientSampleId :
AU-05-071318-D

Tgt Ion:172 Resp: 883806
Ion Ratio Lower Upper
172 100
171 35.2 30.0 45.0
170 23.5 19.5 29.3

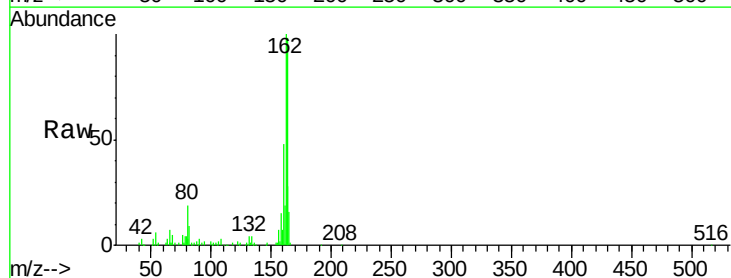


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

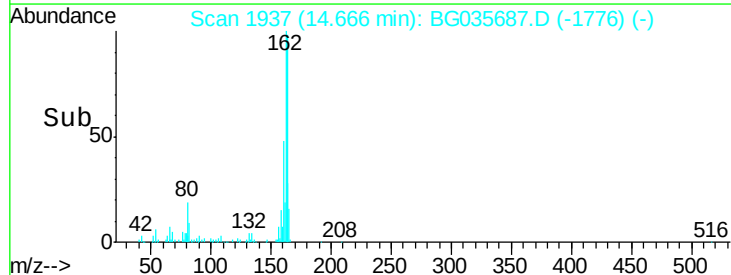
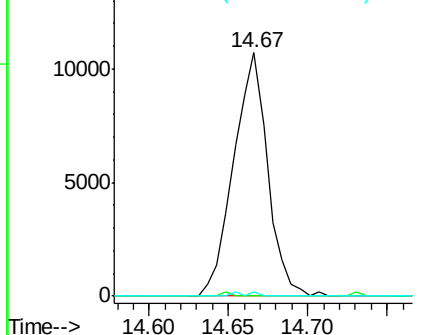


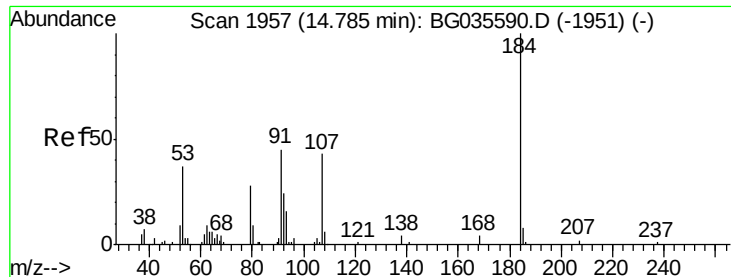
#50
2,6-Dinitrotoluene
Concen: 7.609 ng
RT: 14.67 min Scan# 1937
Delta R.T. 0.42 min
Lab File: BG035687.D
Acq: 17 Jul 2018 17:54

Tgt Ion:165 Resp: 15941
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.8 49.2 73.8#



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





#53

2,4-Dinitrophenol

Concen: 6.632 ng

RT: 14.97 min Scan# 1989

Delta R.T. 0.19 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Instrument :

BNA_G

ClientSampleId :

AU-05-071318-D

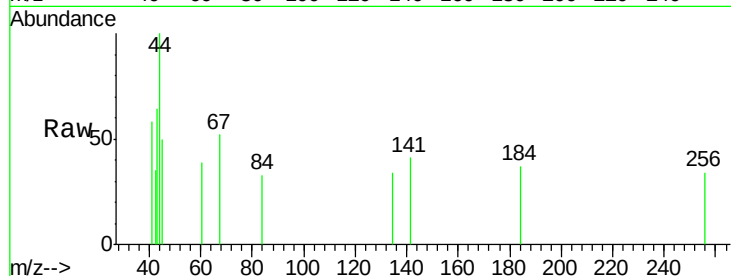
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

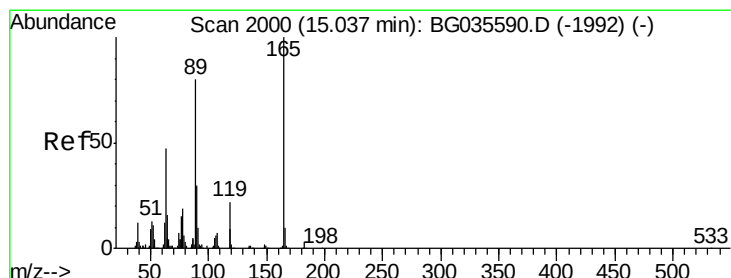
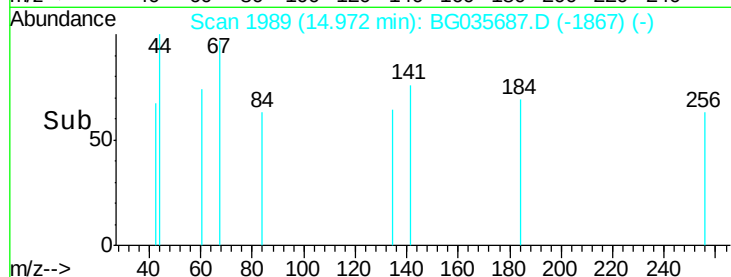
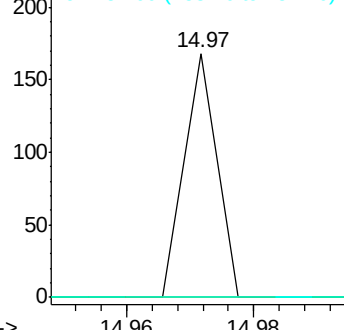
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.304 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.37 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Tgt Ion:165 Resp: 15941

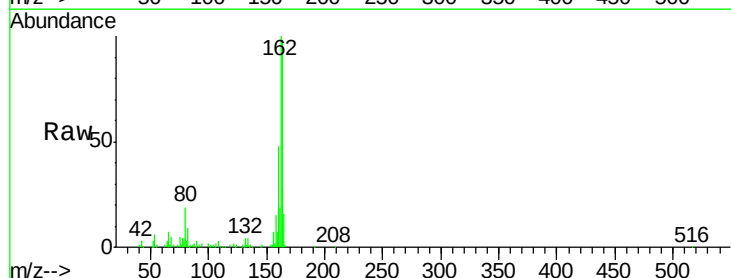
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

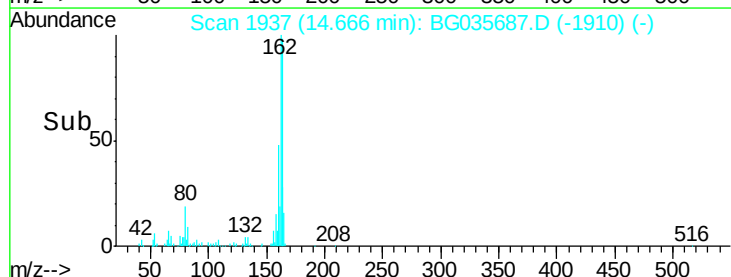
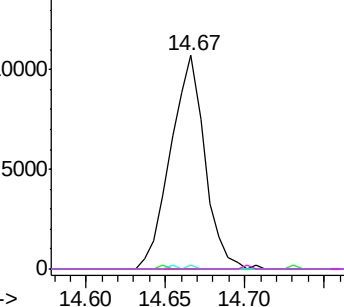


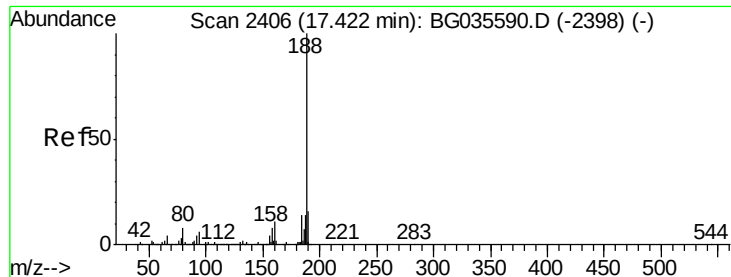
Abundance Ion 165.00 (164.70 to 165.70): E

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

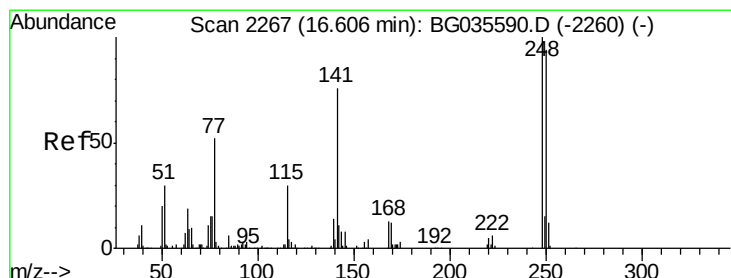
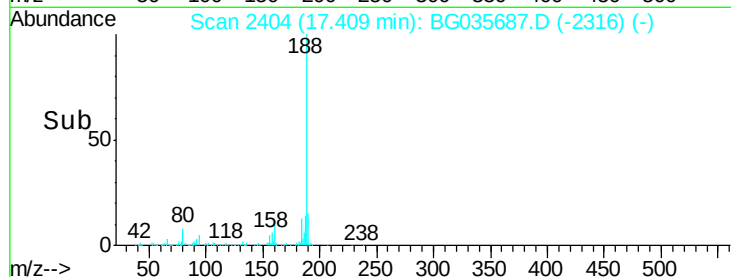
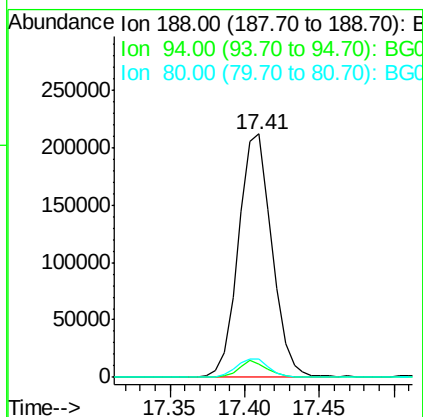
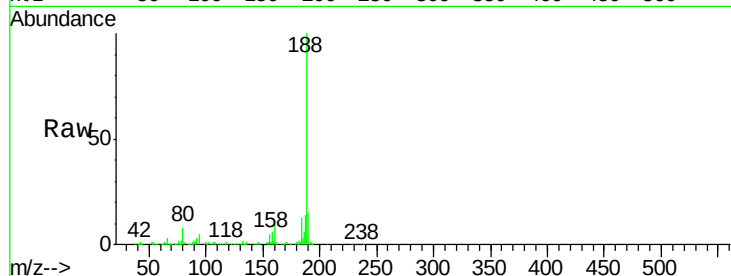




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG035687.D
 Acq: 17 Jul 2018 17:54

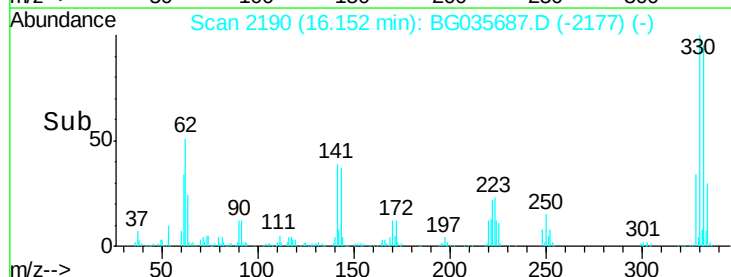
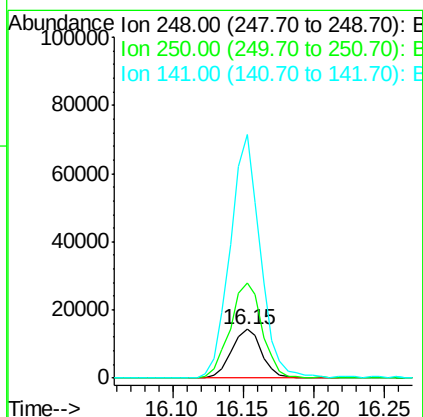
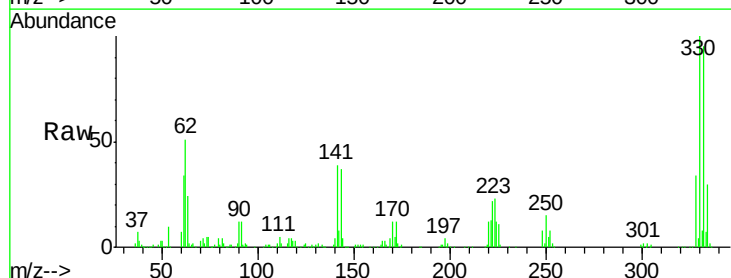
Instrument :
 BNA_G
 ClientSampleId :
 AU-05-071318-D

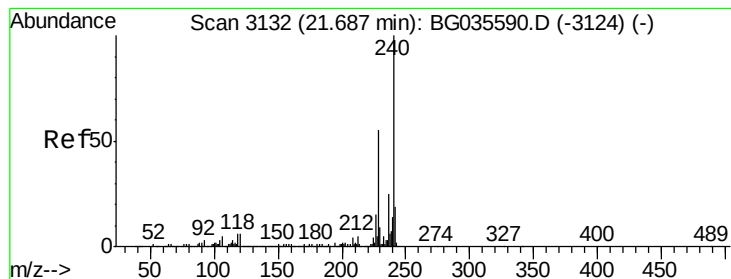
Tgt Ion:188 Resp: 328978
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 7.6 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.665 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG035687.D
 Acq: 17 Jul 2018 17:54

Tgt Ion:248 Resp: 21622
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.1 115.7#
 141 498.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Instrument :

BNA_G

ClientSampleId :

AU-05-071318-D

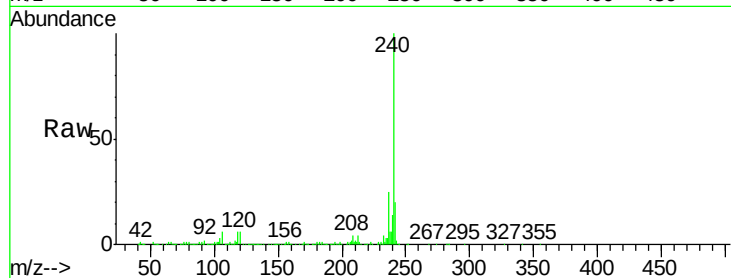
Tgt Ion:240 Resp: 398444

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

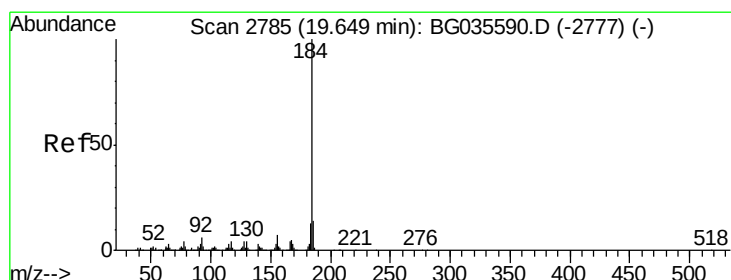
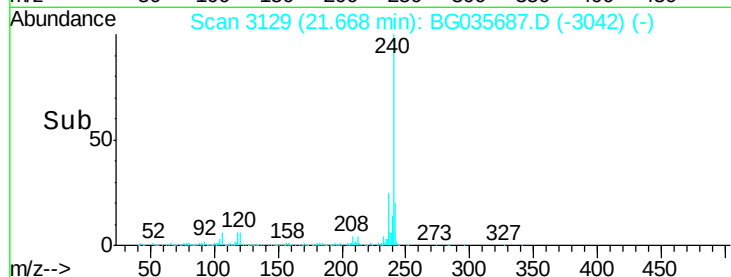
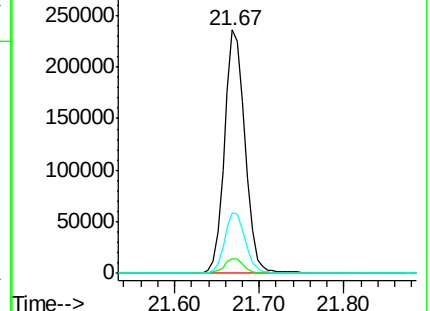
236 24.9 20.9 31.3



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: 3.281 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

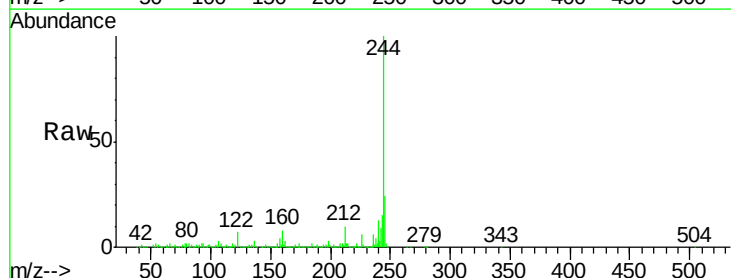
Tgt Ion:184 Resp: 34365

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

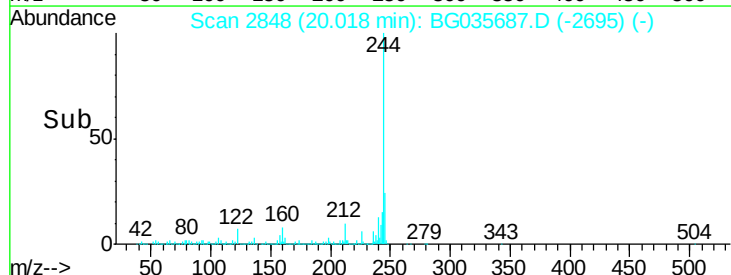
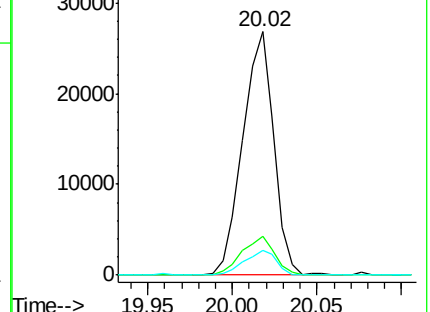
183 10.4 10.6 16.0#

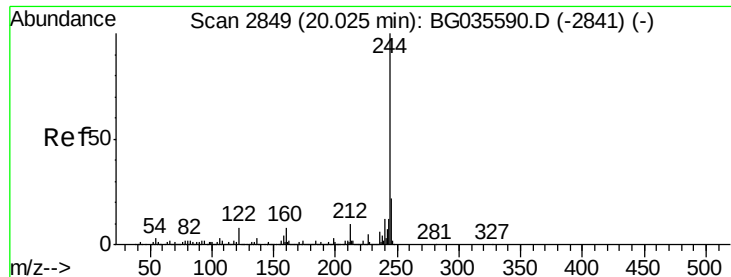


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.934 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

Instrument :

BNA_G

ClientSampleId :

AU-05-071318-D

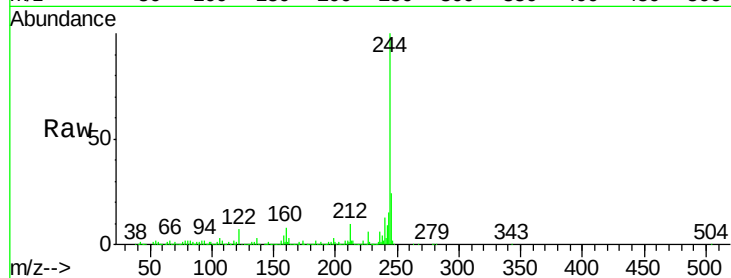
Tgt Ion:244 Resp: 1860615

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

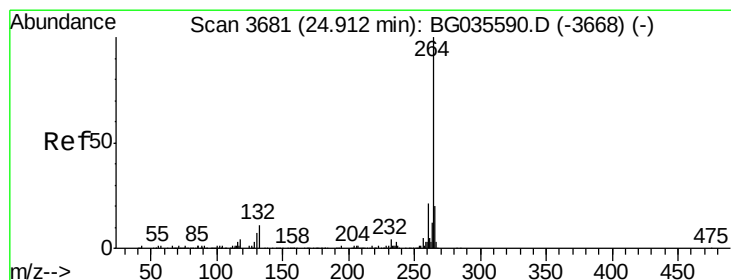
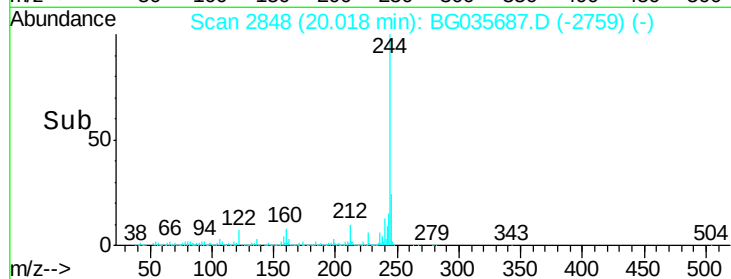
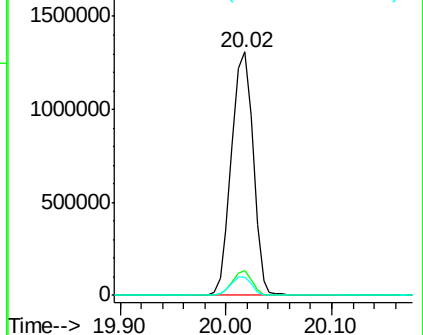
122 7.4 7.0 10.4



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: 24.88 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG035687.D

Acq: 17 Jul 2018 17:54

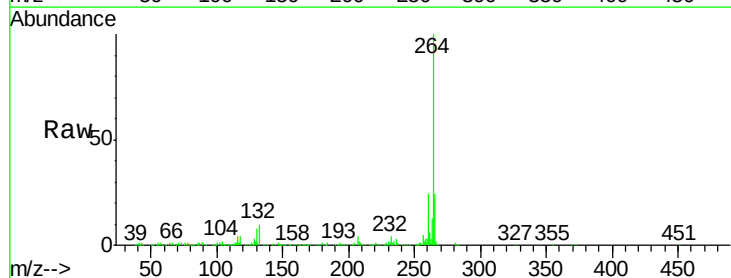
Tgt Ion:264 Resp: 381023

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 24.2 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

