

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035815.D
 Acq On : 21 Jul 2018 11:40
 Operator : JU/SJ
 Sample : J4087-53
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ES-PILLAR-3-4

Quant Time: Jul 23 01:02:44 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

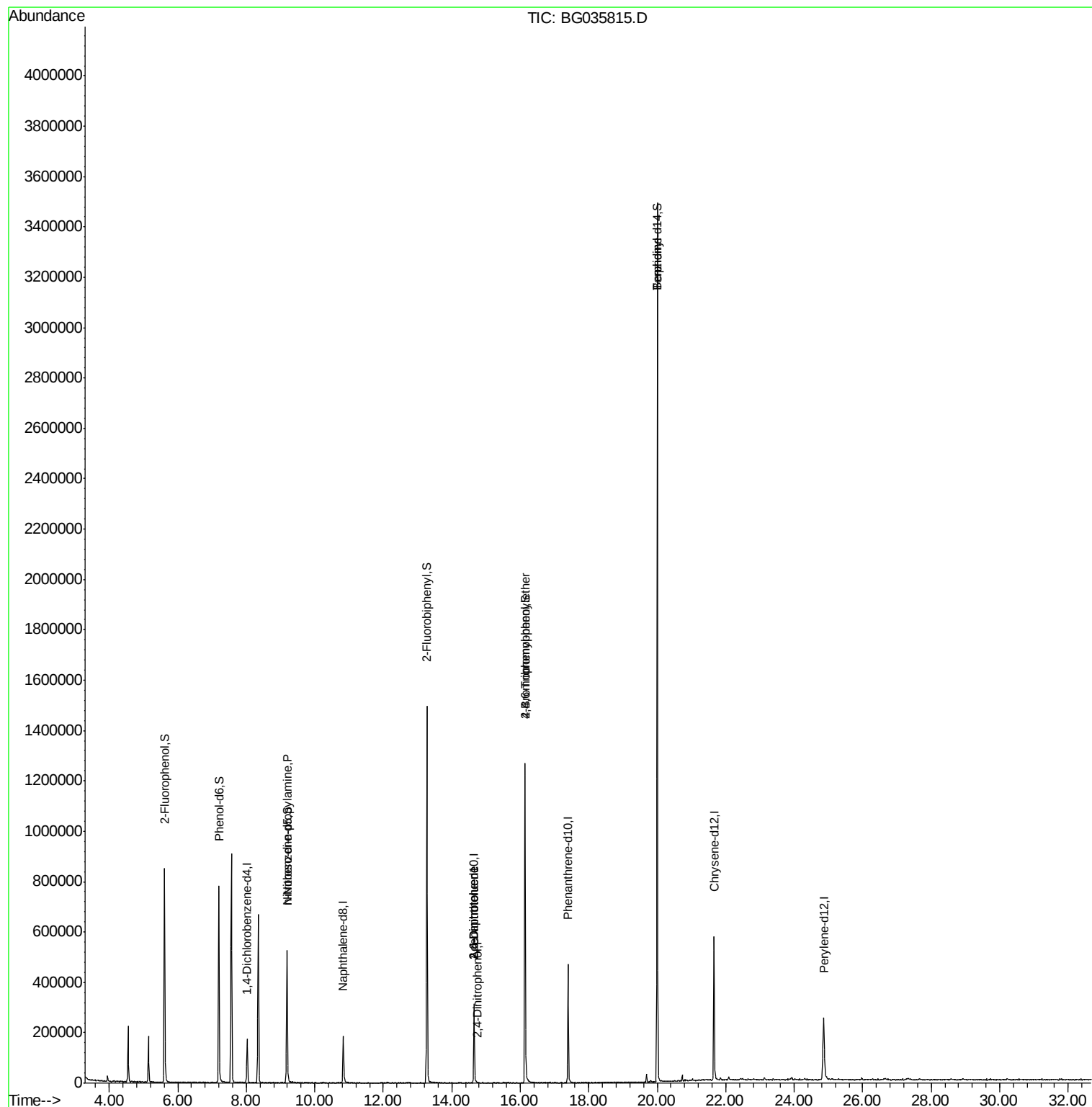
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	49207	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	171348	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	118892	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	328714	20.00	ng	0.00
75) Chrysene-d12	21.66	240	371442	20.00	ng	0.00
86) Perylene-d12	24.85	264	271651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	381546	128.73	ng	0.00
7) Phenol-d6	7.19	99	492894	111.46	ng	0.00
23) Nitrobenzene-d5	9.19	82	377616	92.06	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	245134	156.43	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	840344	94.69	ng	0.00
78) Terphenyl-d14	20.00	244	1594283	94.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	50328	13.515	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	15466	7.291	ng	# 20
53) 2,4-Dinitrophenol	14.76	184	76	6.646	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	15466	5.082	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	19775	5.185	ng	# 1
76) Benzidine	20.00	184	29449	3.016	ng	# 90

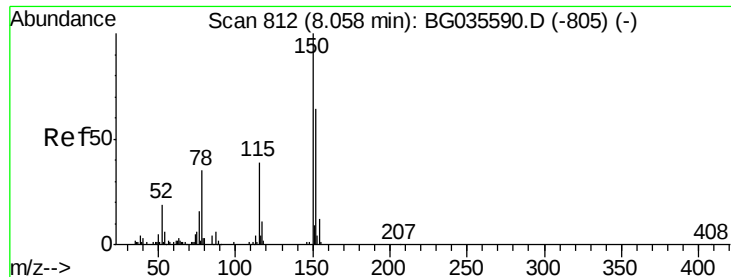
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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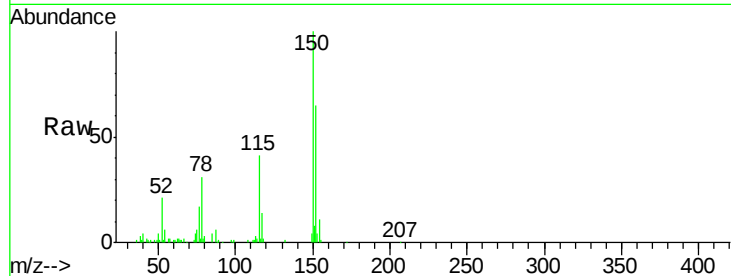


#1

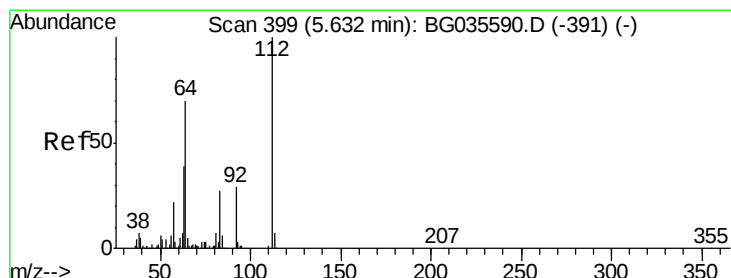
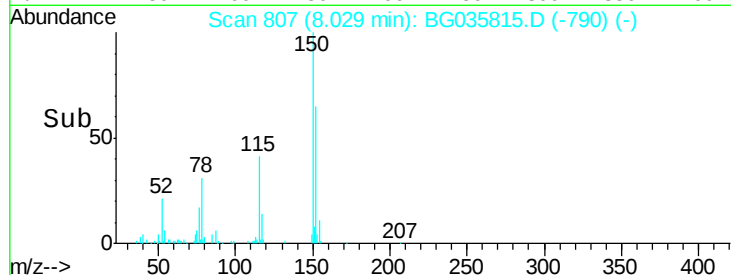
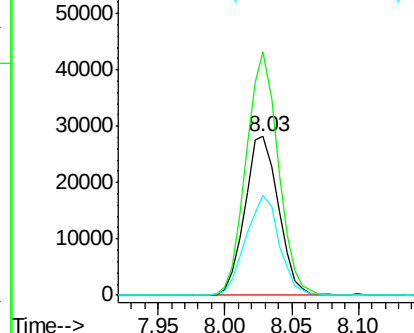
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Instrument :
BNA_G
ClientSampleId :
ES-PILLAR-3-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.6	189.8
115	63.0	53.0	79.4



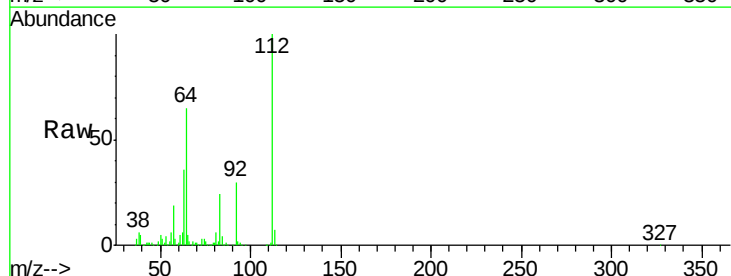
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



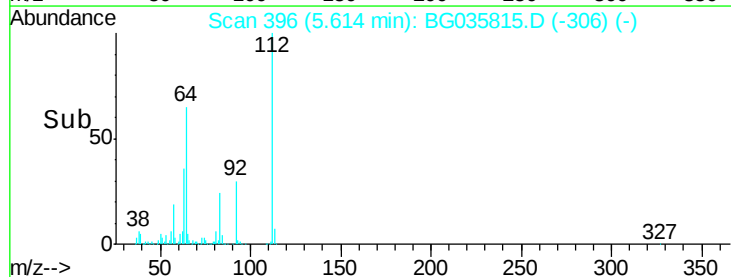
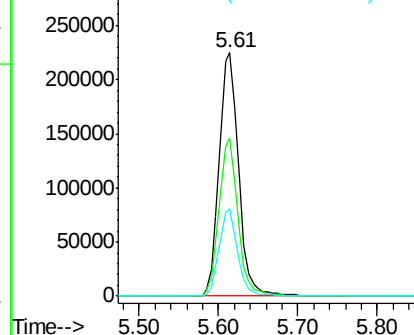
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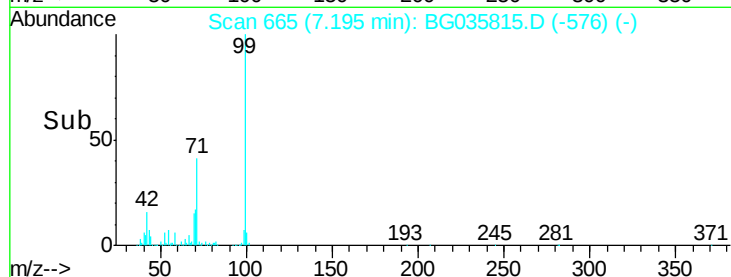
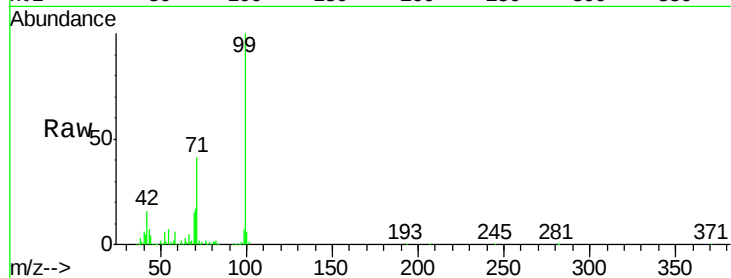
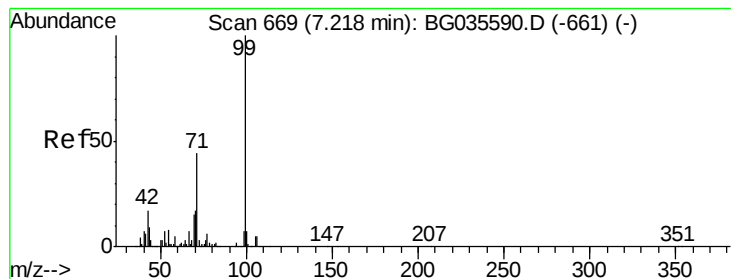
2-Fluorophenol
Concen: 128.733 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	56.3	84.5
63	35.7	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: 111.463 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

ES-PILLAR-3-4

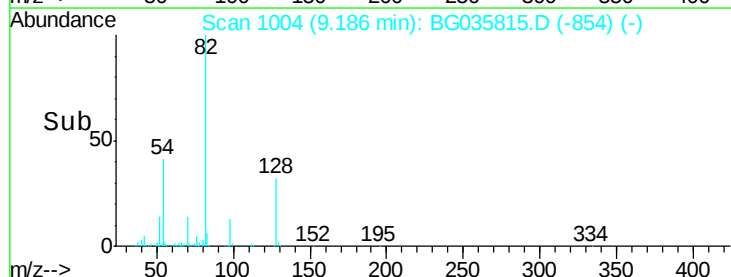
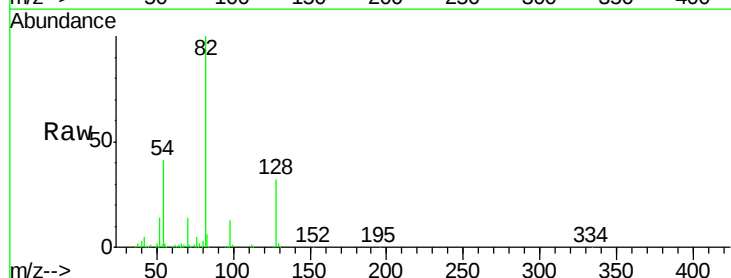
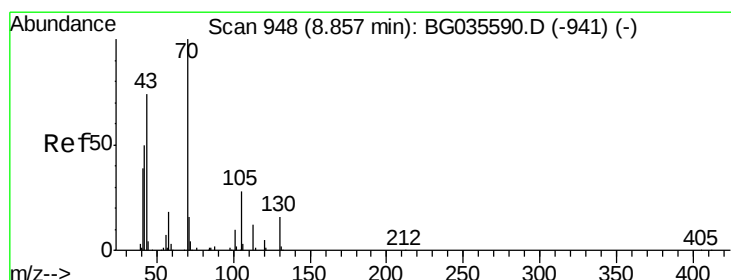
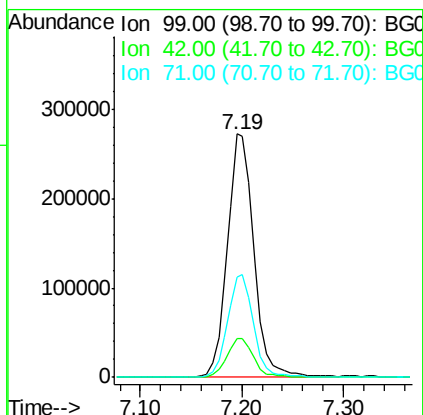
Tgt Ion: 99 Resp: 492894

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 41.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.515 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.35 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Tgt Ion: 70 Resp: 50328

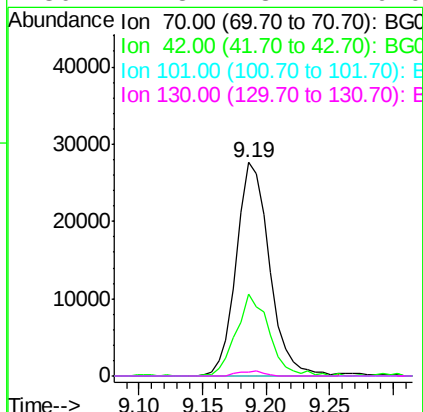
Ion Ratio Lower Upper

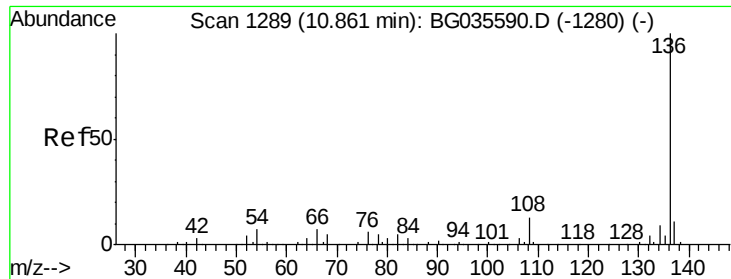
70 100

42 38.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

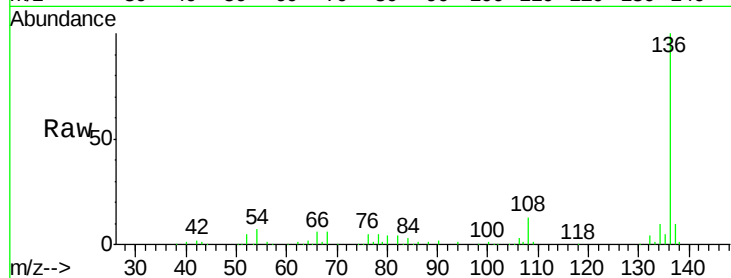




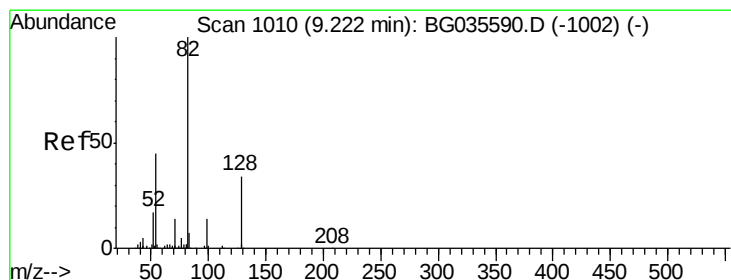
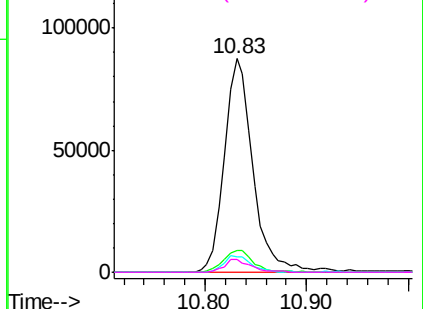
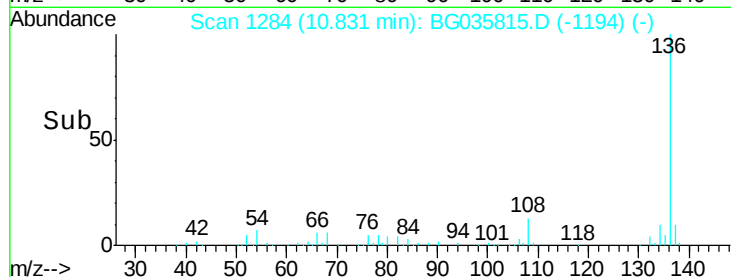
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Instrument :
BNA_G
ClientSampleId :
ES-PILLAR-3-4

Tgt Ion:	136	Resp:	171348
Ion Ratio	Lower	Upper	
136	100		
137	10.0	9.2	13.8
54	7.0	10.3	15.5#
68	6.0	4.5	6.7

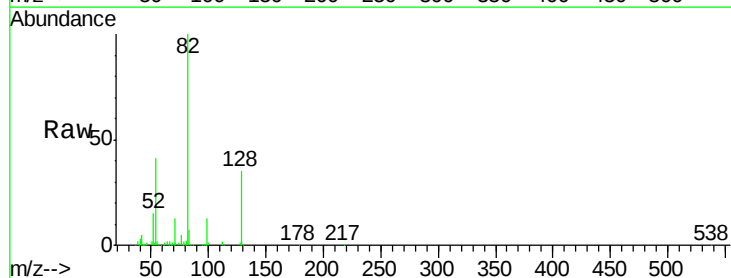


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

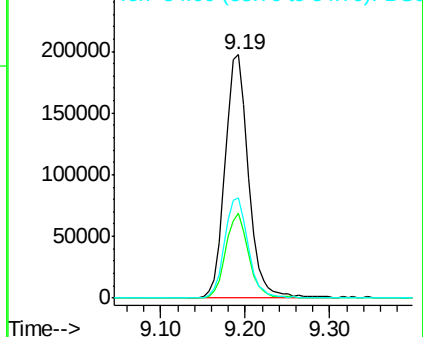
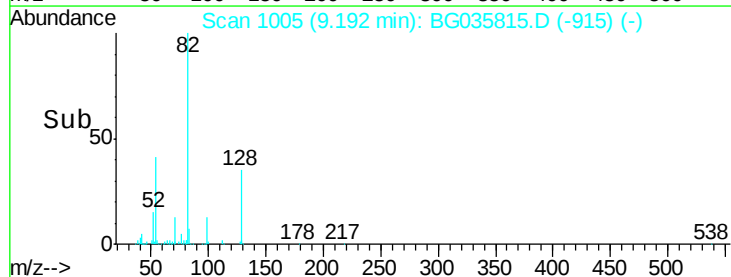


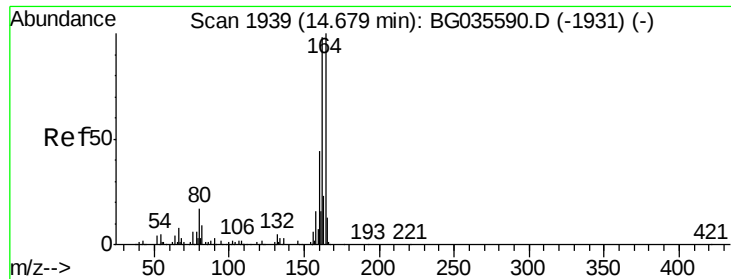
#23
Nitrobenzene-d5
Concen: 92.063 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Tgt Ion:	82	Resp:	377616
Ion Ratio	Lower	Upper	
82	100		
128	35.1	29.7	44.5
54	41.1	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

ES-PILLAR-3-4

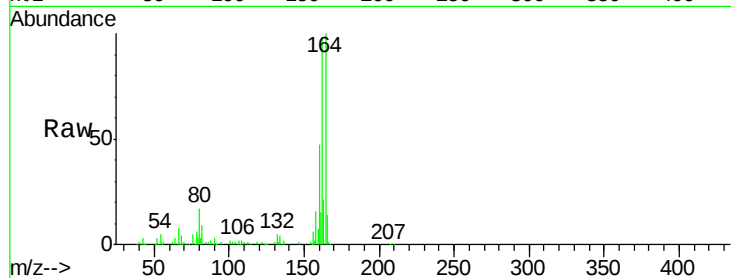
Tgt Ion:164 Resp: 118892

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

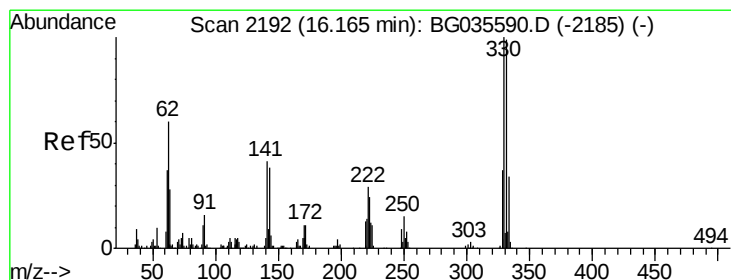
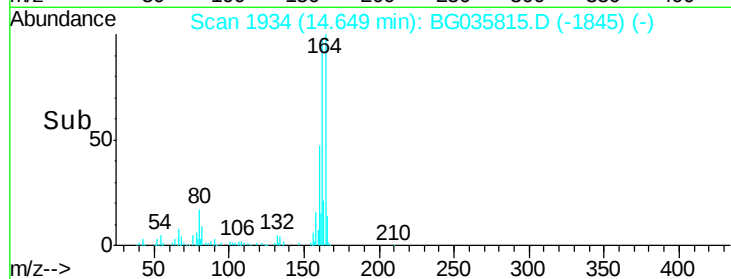
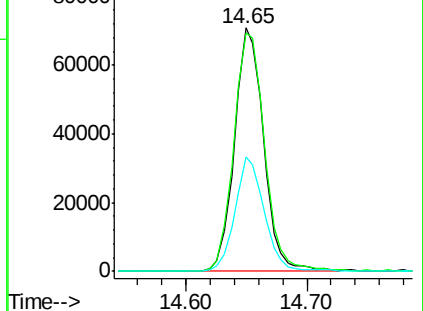
160 46.8 35.4 53.0



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: 156.428 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

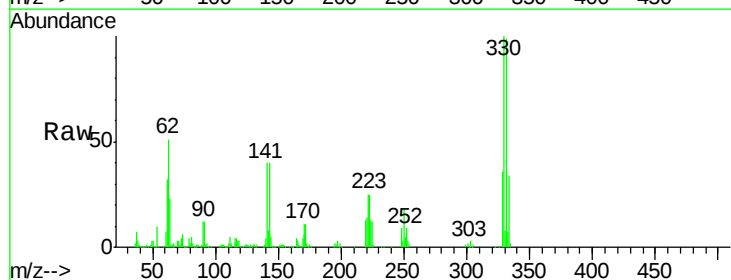
Tgt Ion:330 Resp: 245134

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

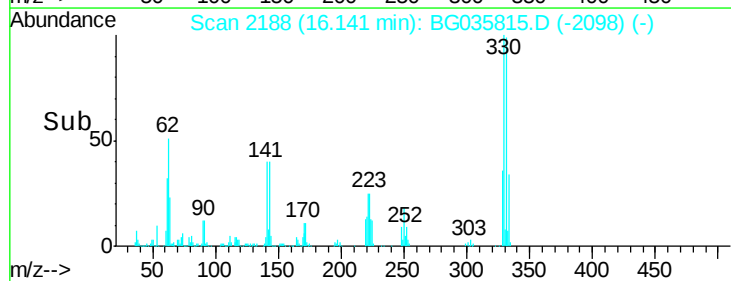
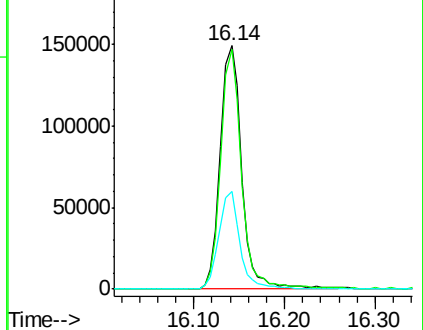
141 39.3 25.2 37.8#

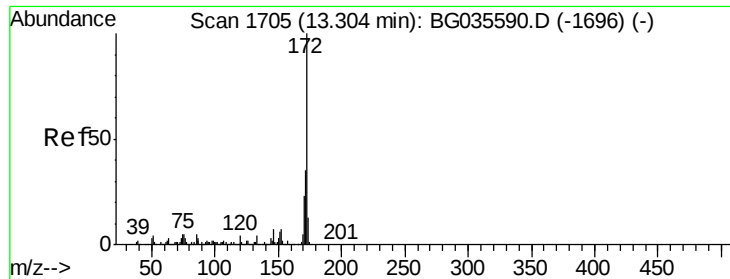


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

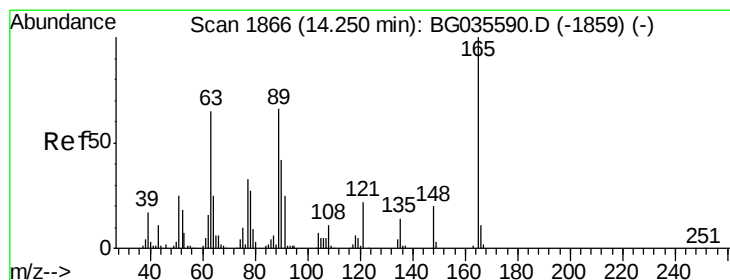
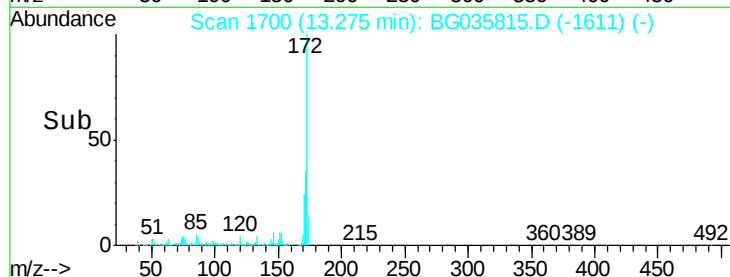
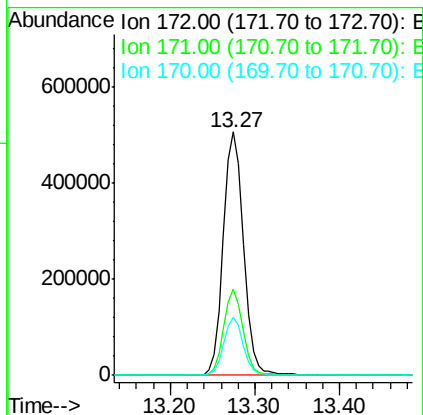
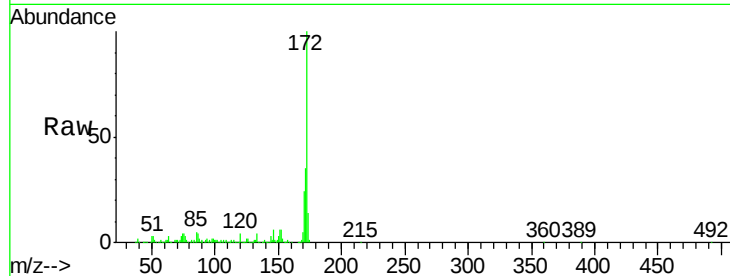




#44
 2-Fluorobiphenyl
 Concen: 94.695 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035815.D
 Acq: 21 Jul 2018 11:40

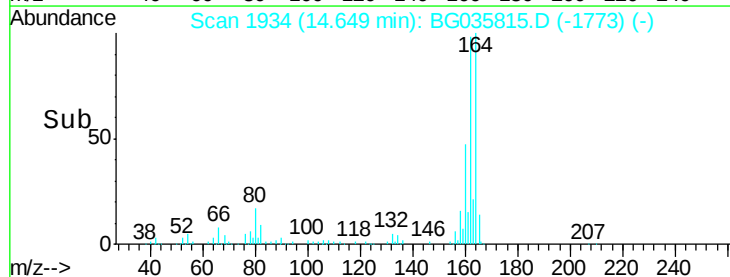
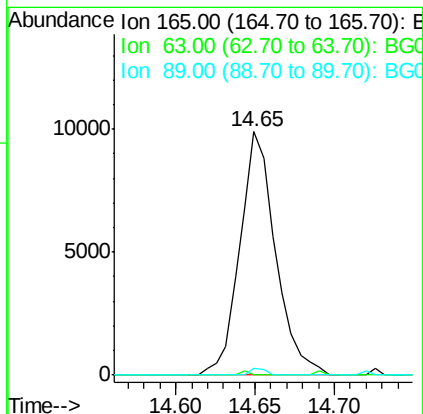
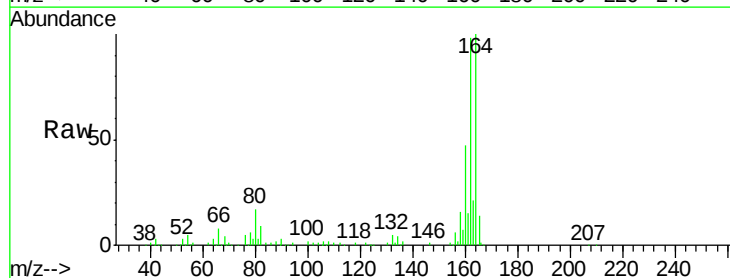
Instrument :
 BNA_G
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 ES-PILLAR-3-4

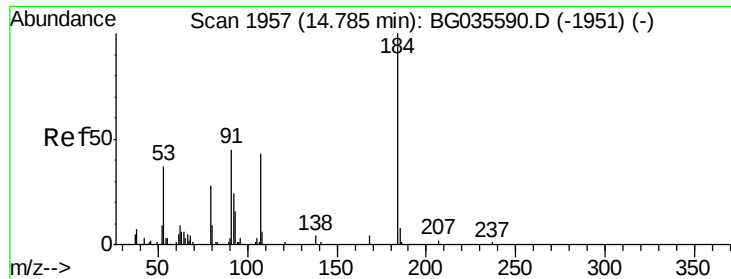
Tgt Ion:172 Resp: 840344
 Ion Ratio Lower Upper
 172 100
 171 35.2 30.0 45.0
 170 24.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.291 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035815.D
 Acq: 21 Jul 2018 11:40

Tgt Ion:165 Resp: 15466
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.6 49.2 73.8#

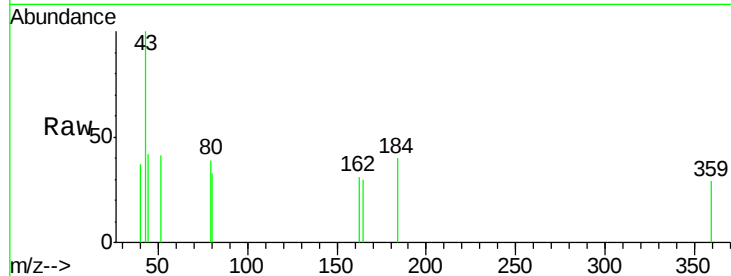




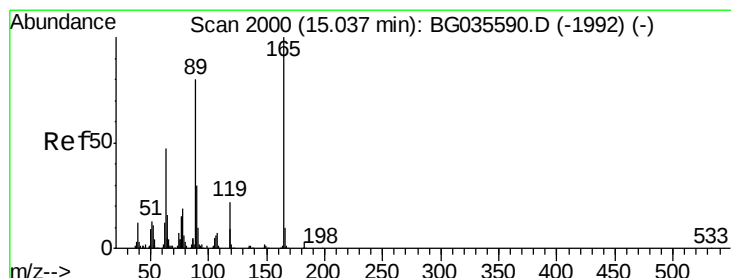
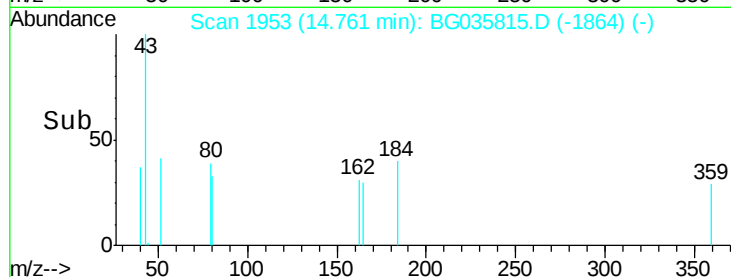
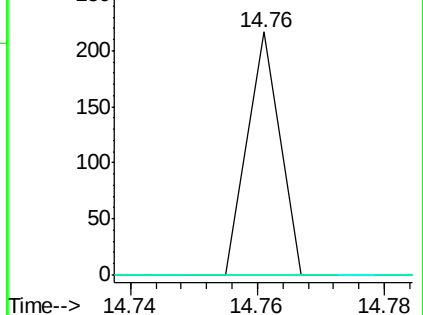
#53
2,4-Dinitrophenol
Concen: 6.646 ng
RT: 14.76 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Instrument :
BNA_G
ClientSampleId :
ES-PILLAR-3-4

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#



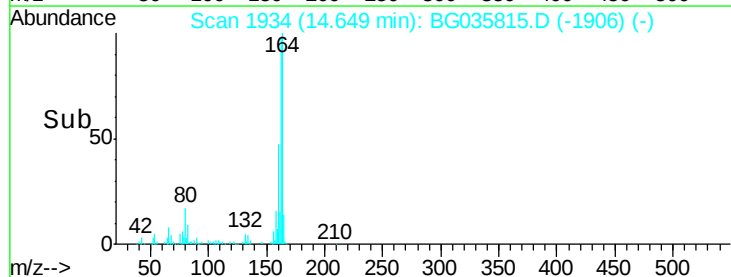
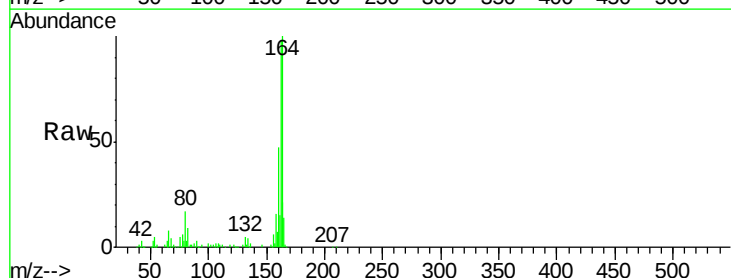
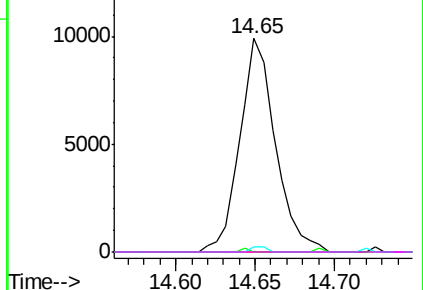
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

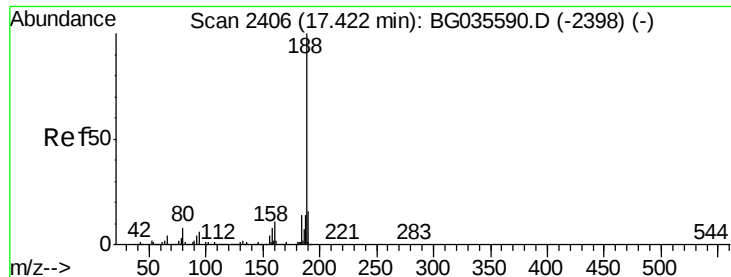


#56
2,4-Dinitrotoluene
Concen: 5.082 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035815.D
Acq: 21 Jul 2018 11:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.6	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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

ES-PILLAR-3-4

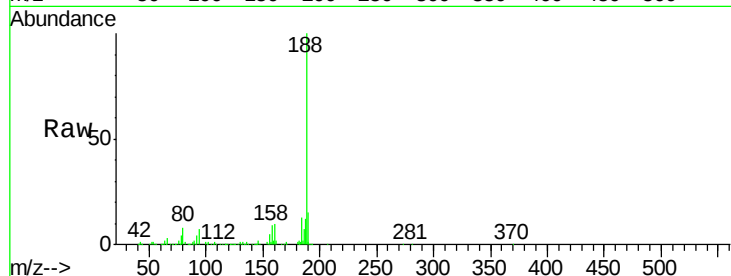
Tgt Ion:188 Resp: 328714

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

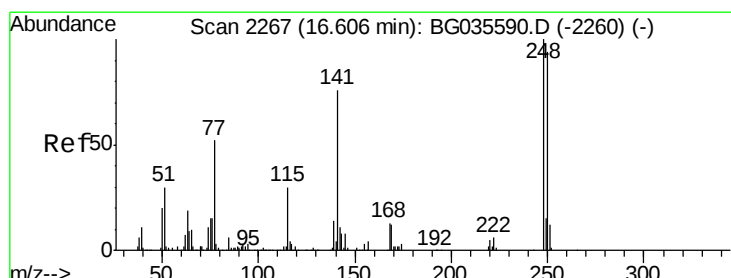
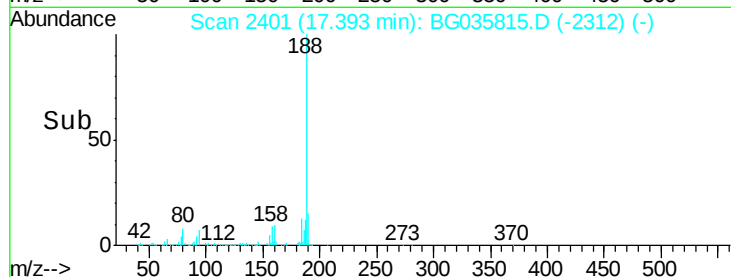
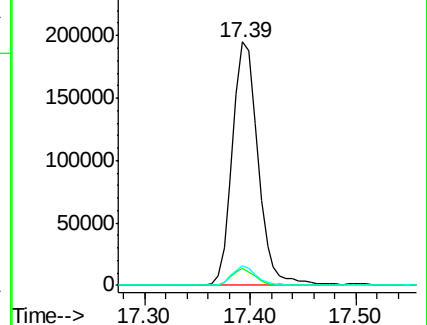
80 7.8 7.7 11.5



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: 5.185 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

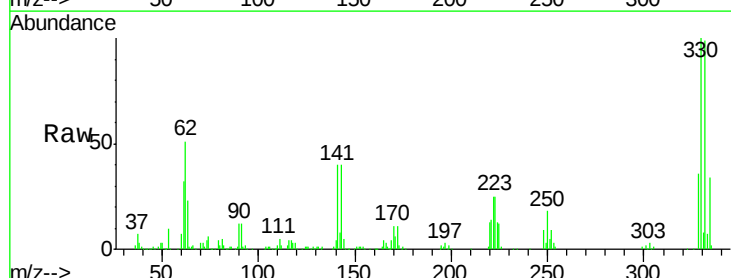
Tgt Ion:248 Resp: 19775

Ion Ratio Lower Upper

248 100

250 193.9 77.1 115.7#

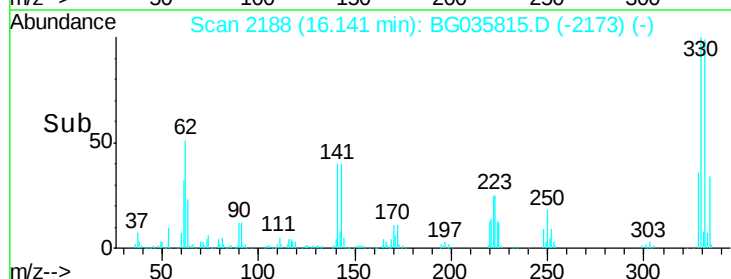
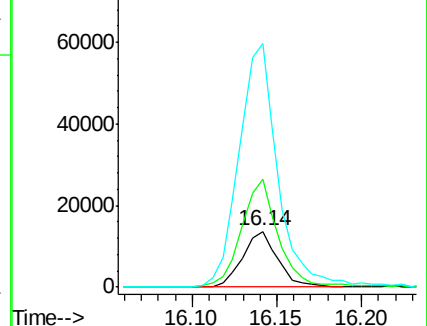
141 436.1 50.8 76.2#

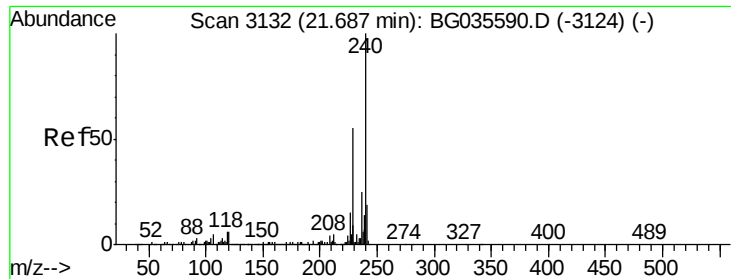


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

ES-PILLAR-3-4

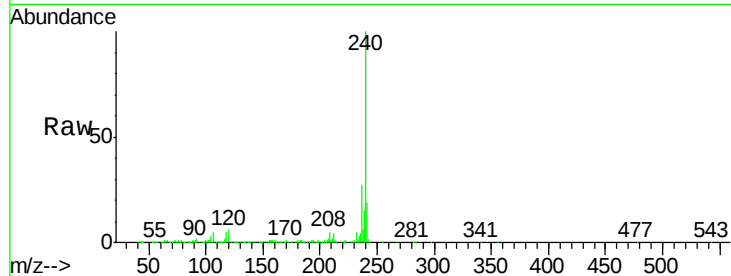
Tgt Ion:240 Resp: 371442

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

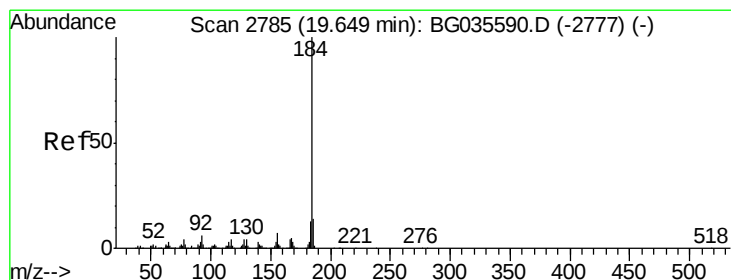
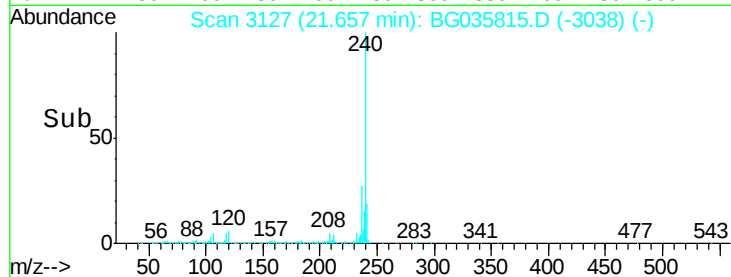
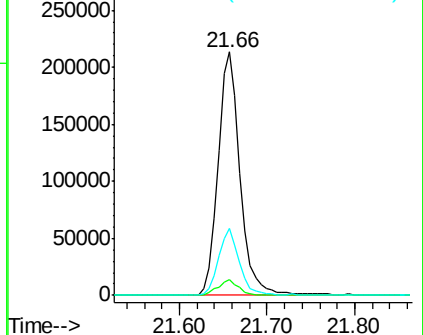
236 27.4 20.9 31.3



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: 3.016 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

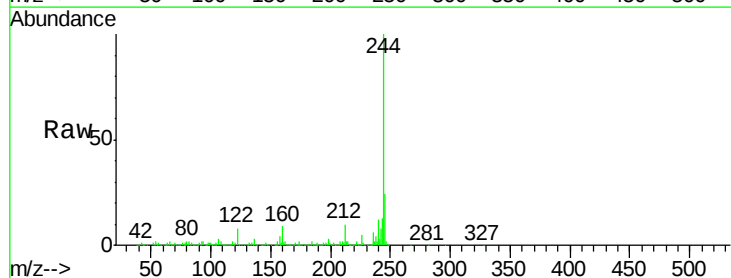
Tgt Ion:184 Resp: 29449

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

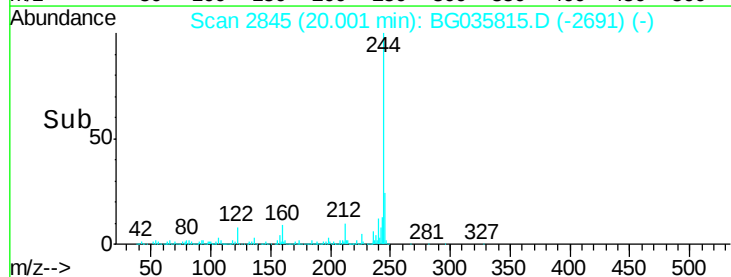
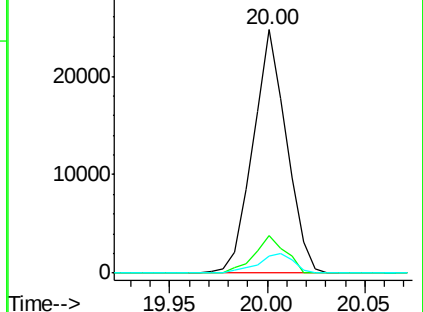
183 6.9 10.6 16.0#

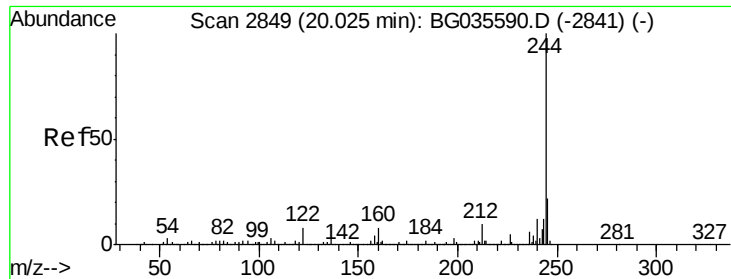


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.612 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

ES-PILLAR-3-4

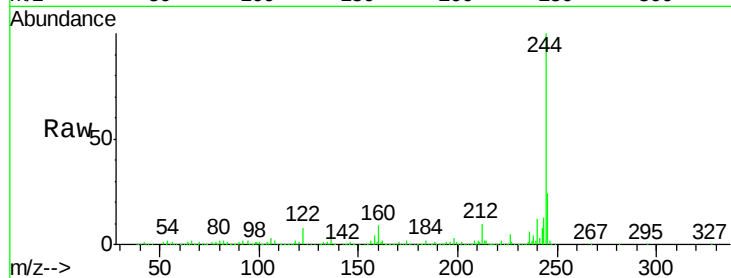
Tgt Ion:244 Resp: 1594283

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

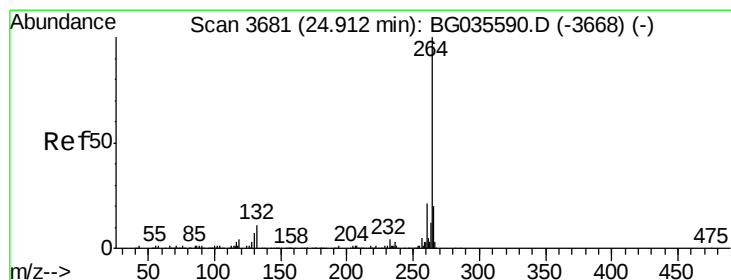
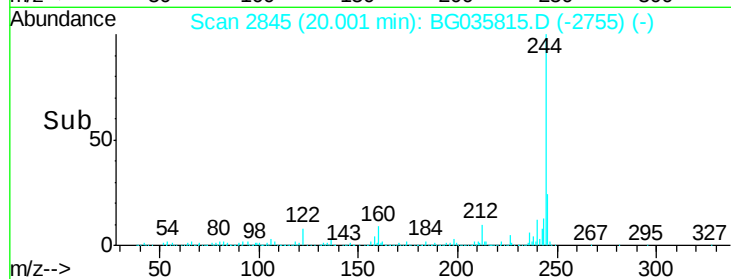
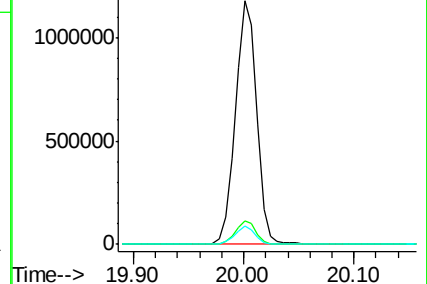
122 7.7 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG035815.D

Acq: 21 Jul 2018 11:40

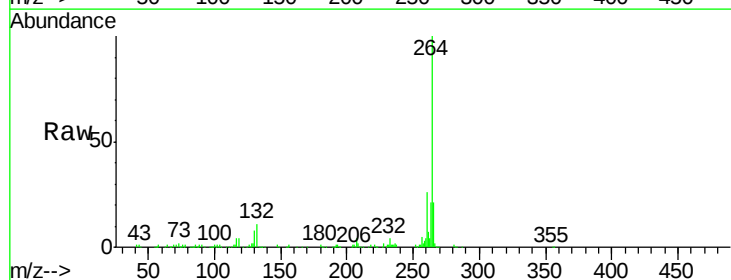
Tgt Ion:264 Resp: 271651

Ion Ratio Lower Upper

264 100

260 25.6 17.4 26.0

265 21.4 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

