

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072618\
 Data File : BG035919.D
 Acq On : 26 Jul 2018 21:48
 Operator : JU/SJ
 Sample : J4164-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

Quant Time: Jul 27 02:16:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

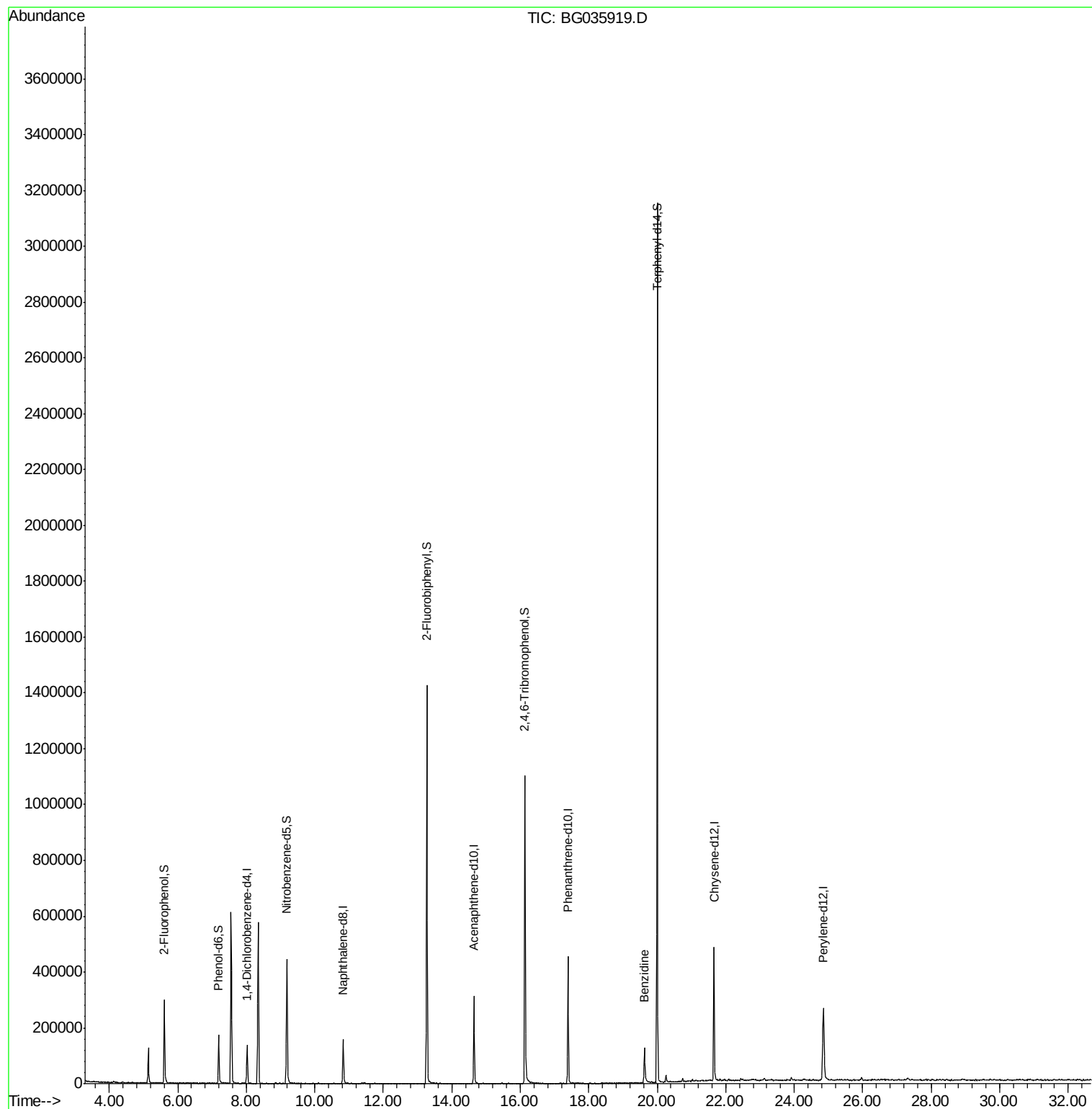
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	40501	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	149305	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	113614	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	311843	20.00	ng	0.00
75) Chrysene-d12	21.66	240	326314	20.00	ng	0.00
86) Perylene-d12	24.85	264	302388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	138418	56.74	ng	0.00
7) Phenol-d6	7.19	99	116462	32.00	ng	0.00
23) Nitrobenzene-d5	9.19	82	320463	89.66	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	219073	146.29	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	795080	93.76	ng	0.00
78) Terphenyl-d14	20.00	244	1424336	96.22	ng	0.00
Target Compounds						
76) Benzidine	19.62	184	112334	13.094	ng	Qvalue 99

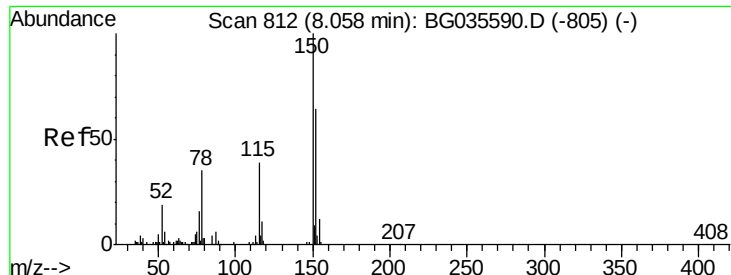
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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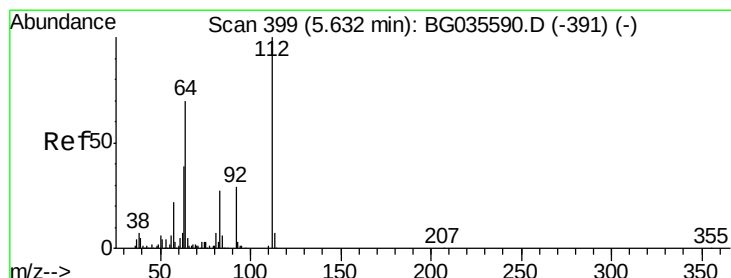
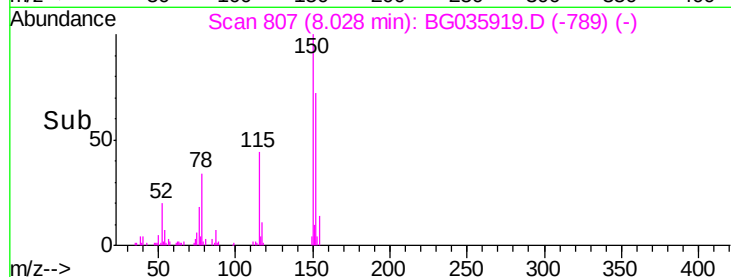
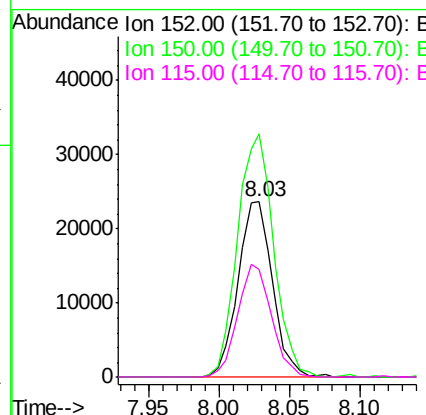
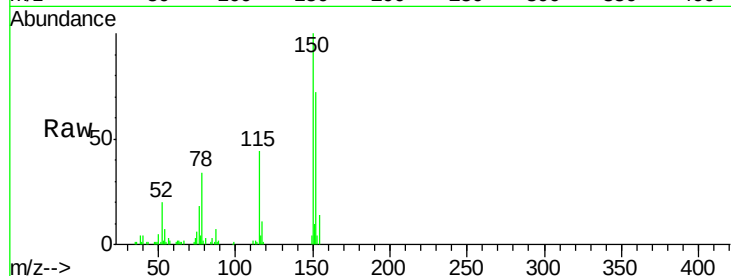


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

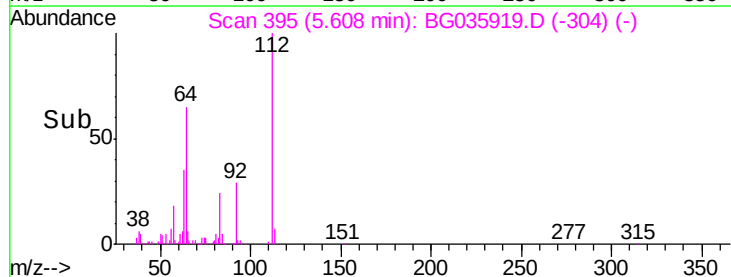
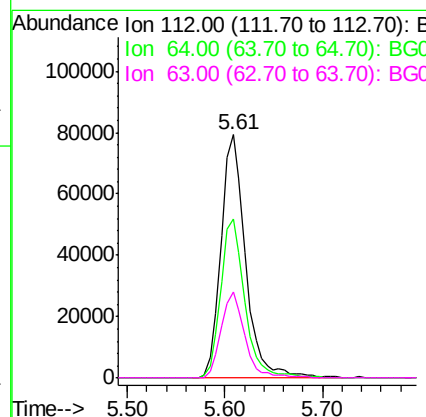
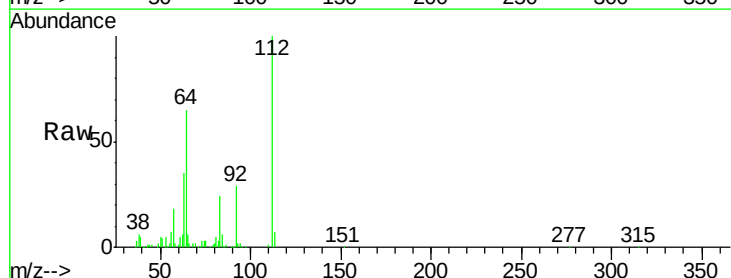
Tgt Ion:152 Resp: 40501
 Ion Ratio Lower Upper
 152 100
 150 138.7 126.6 189.8
 115 61.3 53.0 79.4

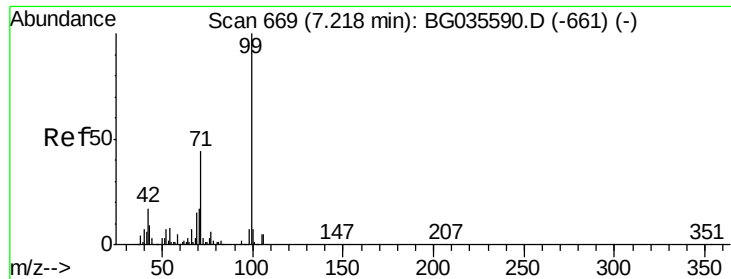


#5

2-Fluorophenol
 Concen: 56.741 ng
 RT: 5.61 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Tgt Ion:112 Resp: 138418
 Ion Ratio Lower Upper
 112 100
 64 65.5 56.3 84.5
 63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 31.998 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampleId :

FB-072518

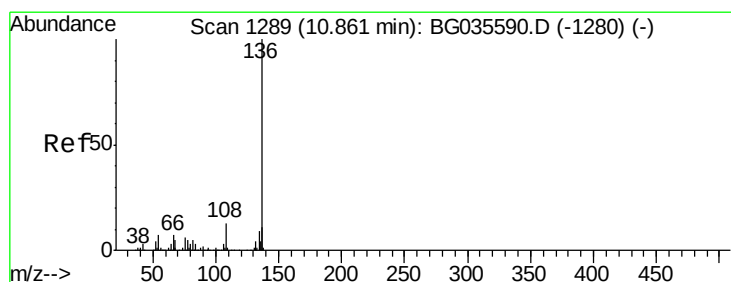
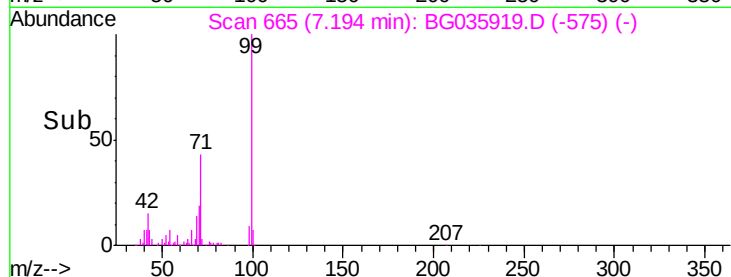
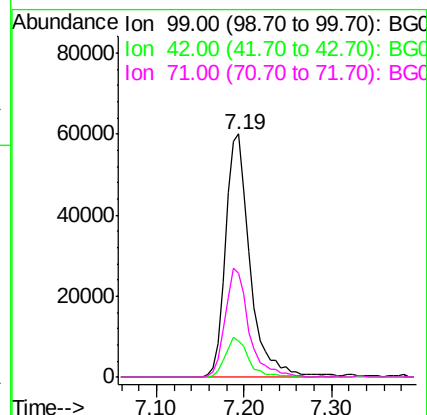
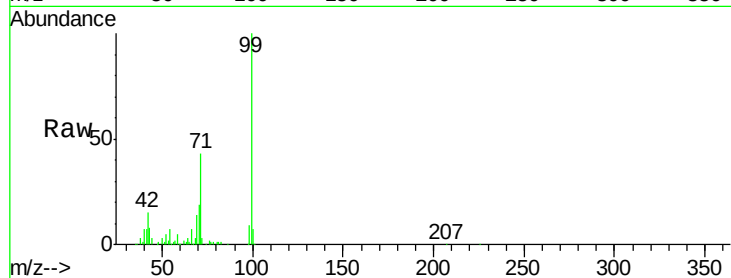
Tgt Ion: 99 Resp: 116462

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

71 42.8 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Tgt Ion: 136 Resp: 149305

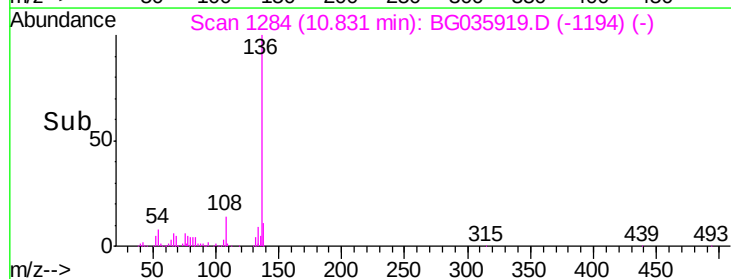
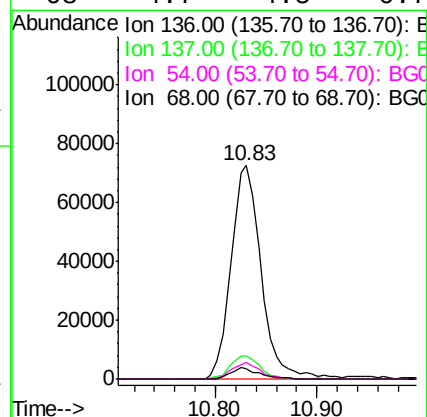
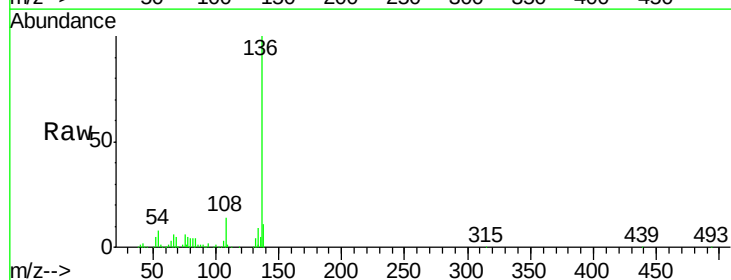
Ion Ratio Lower Upper

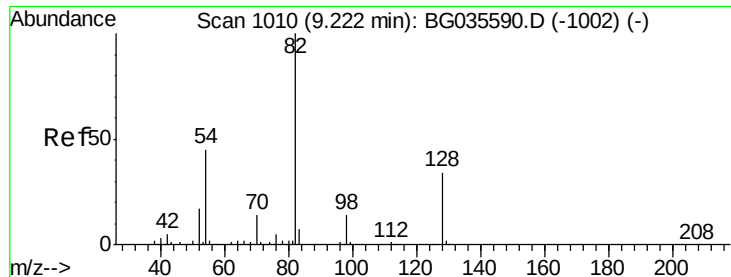
136 100

137 11.0 9.2 13.8

54 7.8 10.3 15.5#

68 4.7 4.5 6.7

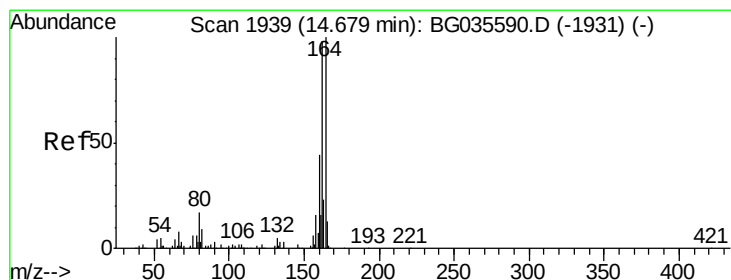
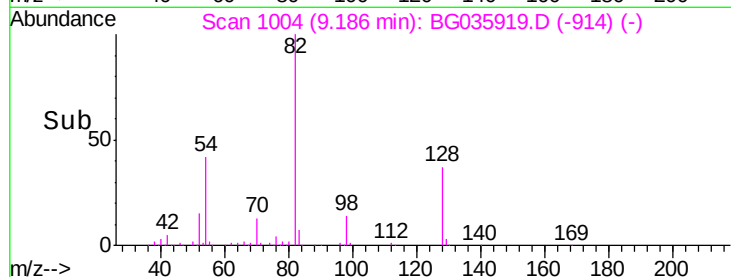
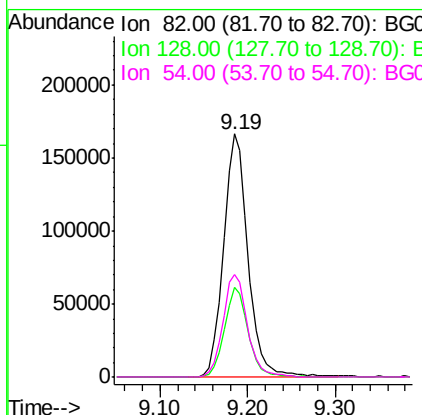
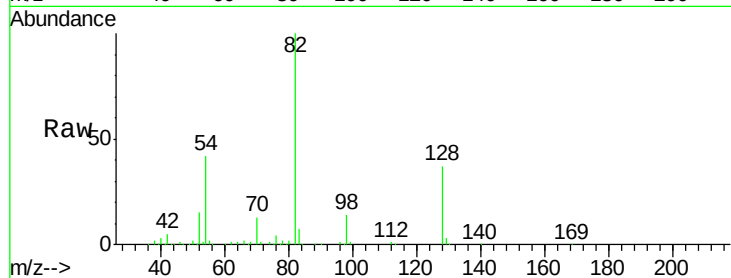




#23
 Nitrobenzene-d5
 Concen: 89.664 ng
 RT: 9.19 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

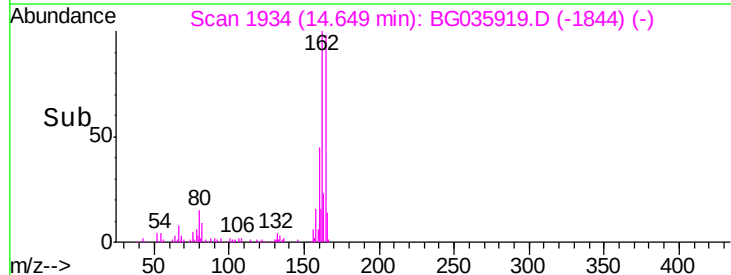
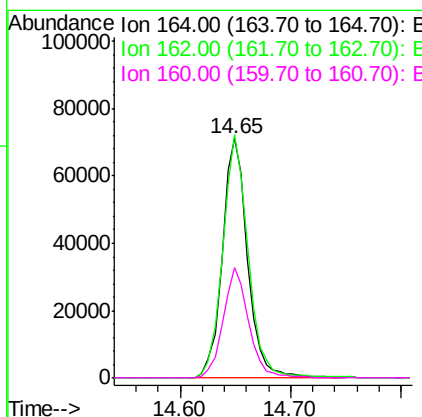
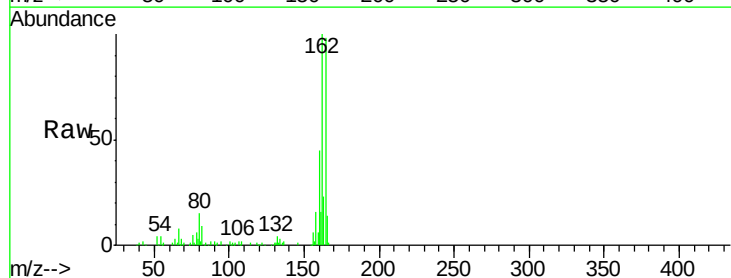
Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

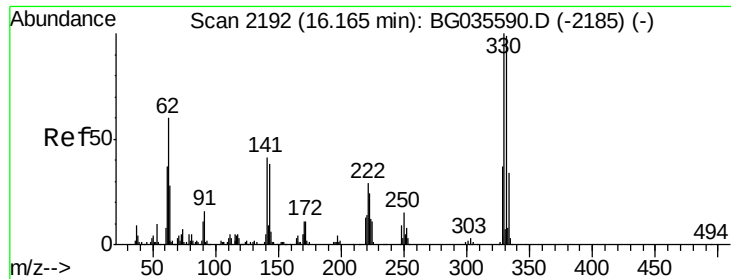
Tgt Ion: 82 Resp: 320463
 Ion Ratio Lower Upper
 82 100
 128 37.0 29.7 44.5
 54 42.5 43.1 64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Tgt Ion: 164 Resp: 113614
 Ion Ratio Lower Upper
 164 100
 162 101.6 78.8 118.2
 160 45.9 35.4 53.0

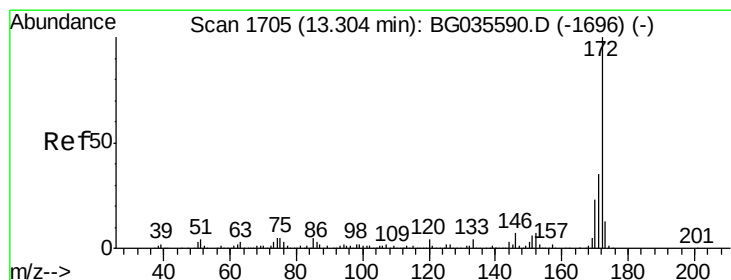
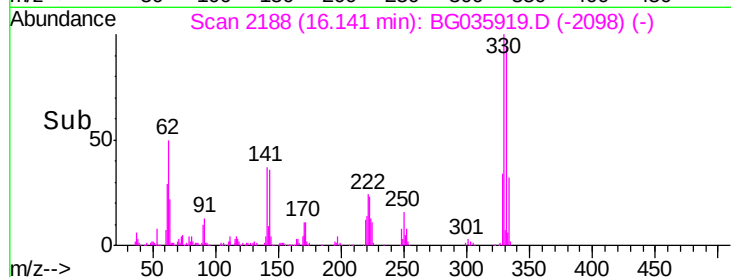
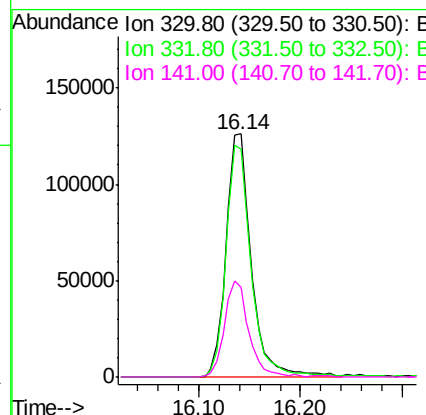
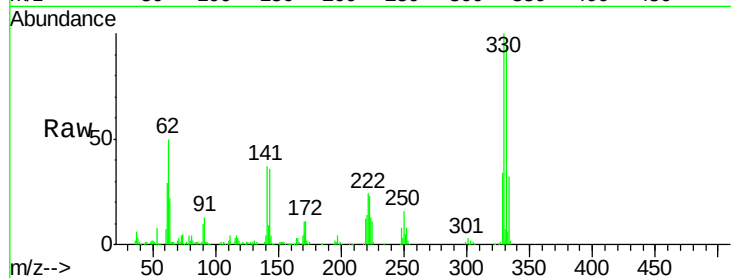




#41
 2,4,6-Tribromophenol
 Concen: 146.292 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

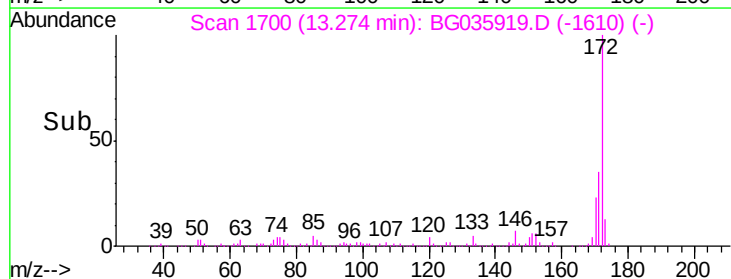
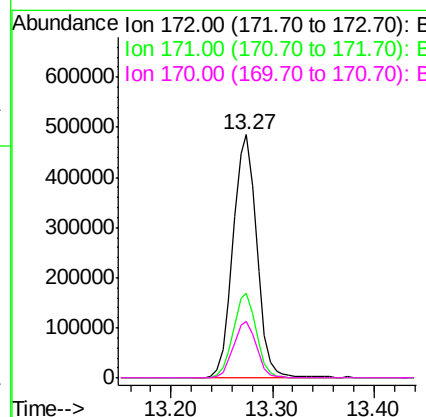
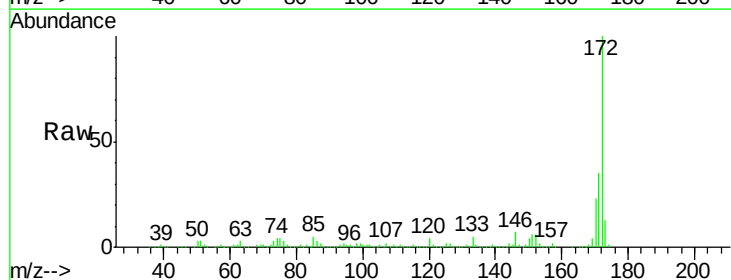
Instrument :
 BNA_G
 ClientSampleId :
 FB-072518

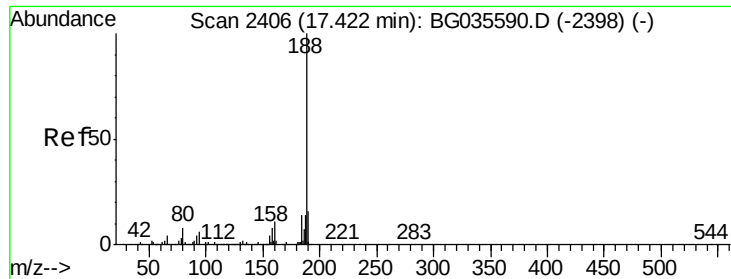
Tgt Ion:330 Resp: 219073
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 38.3 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 93.756 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035919.D
 Acq: 26 Jul 2018 21:48

Tgt Ion:172 Resp: 795080
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 23.1 19.5 29.3





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampled :

FB-072518

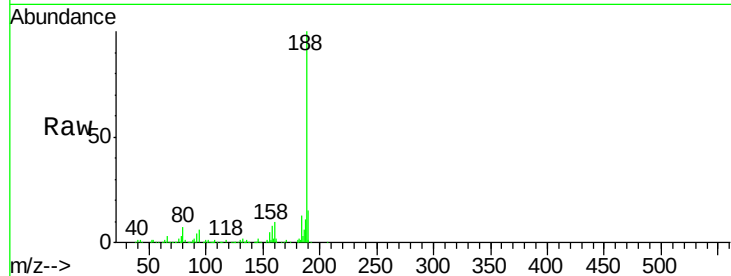
Tgt Ion:188 Resp: 311843

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

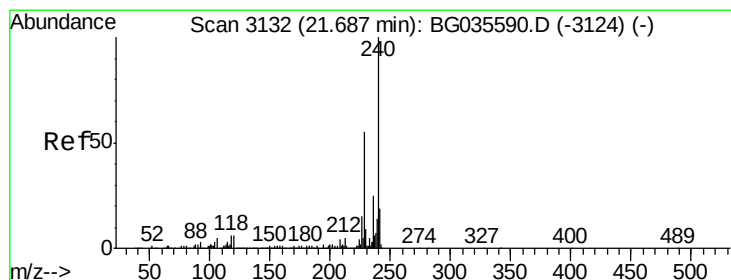
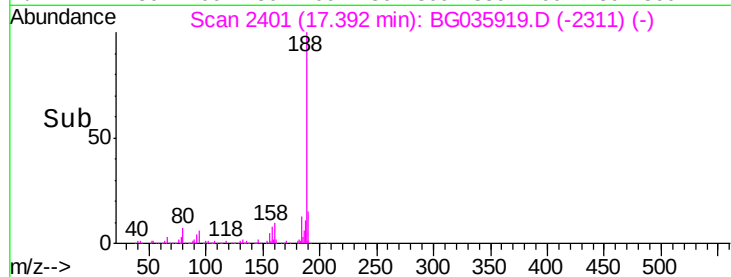
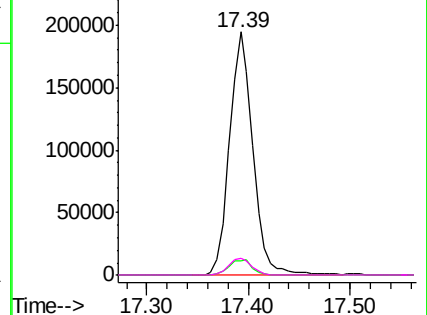
80 6.9 7.7 11.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

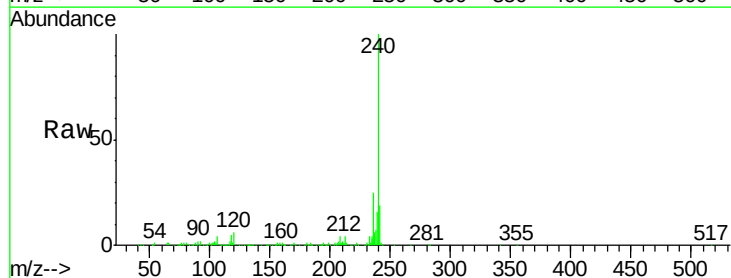
Tgt Ion:240 Resp: 326314

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

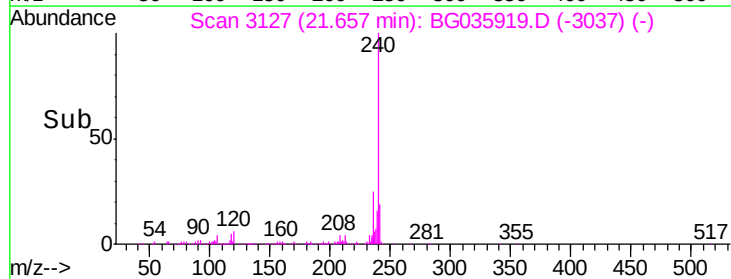
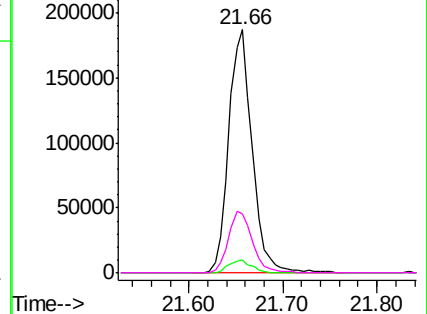
236 24.6 20.9 31.3

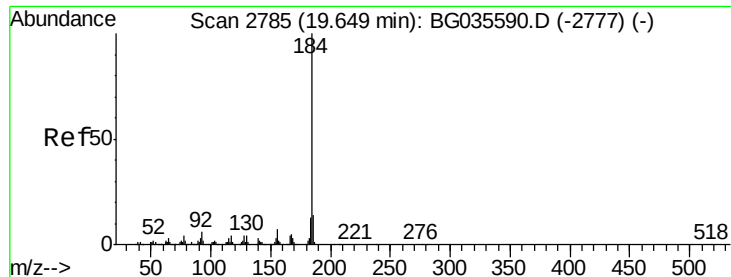


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 13.094 ng

RT: 19.62 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

Instrument :

BNA_G

ClientSampleId :

FB-072518

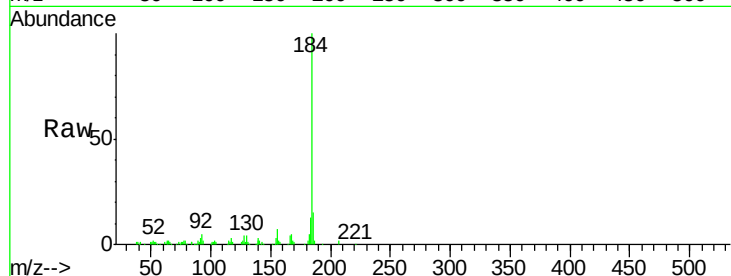
Tgt Ion:184 Resp: 112334

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

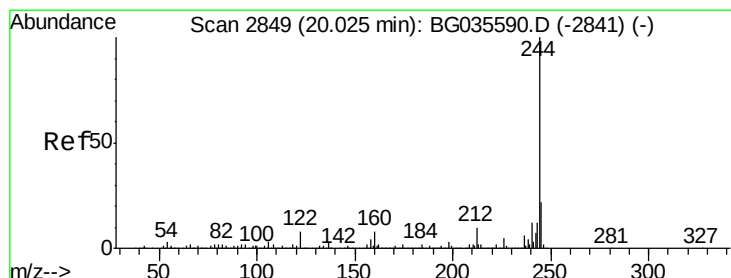
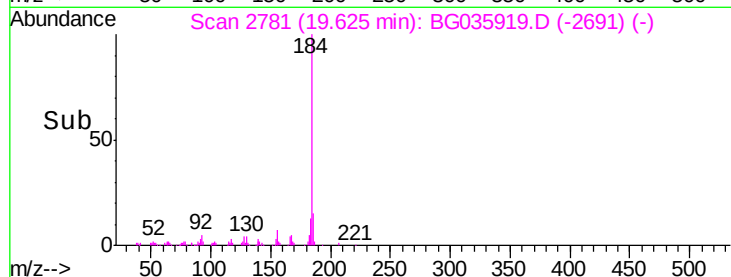
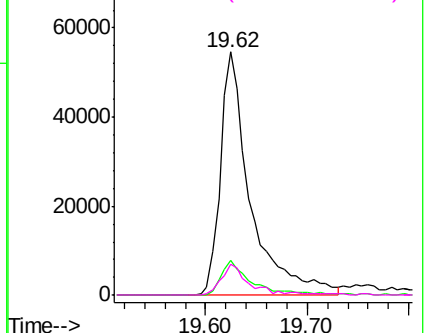
183 12.9 10.6 16.0



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: 96.216 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035919.D

Acq: 26 Jul 2018 21:48

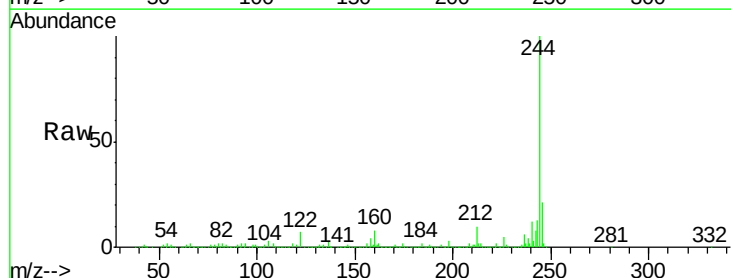
Tgt Ion:244 Resp: 1424336

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

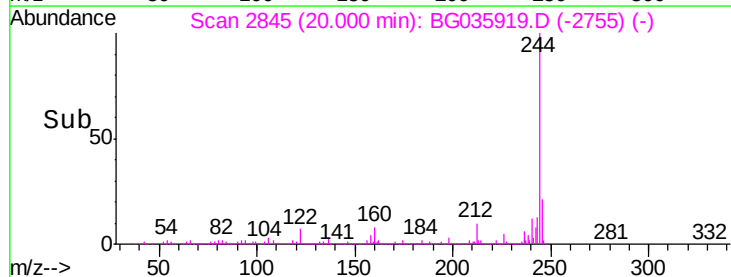
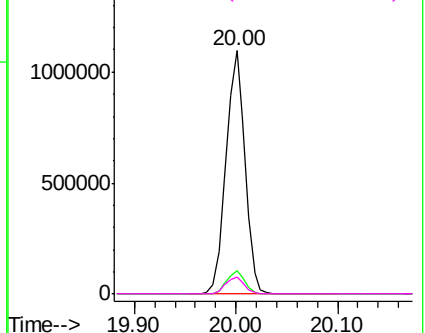
122 7.1 7.0 10.4

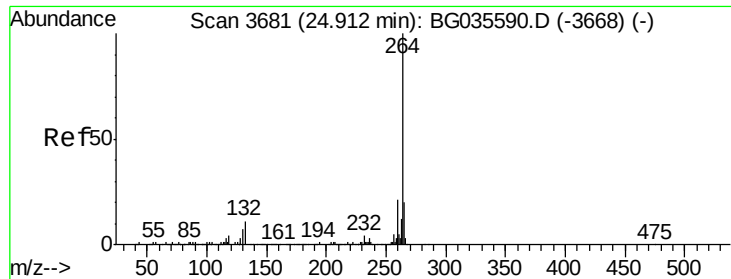


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
Lab File: BG035919.D
Acq: 26 Jul 2018 21:48

Instrument :
BNA_G
ClientSampleId :
FB-072518

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	20.1	17.7	26.5

