

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011619\
 Data File : BG039176.D
 Acq On : 17 Jan 2019 3:32
 Operator : JU/SJ
 Sample : K1147-27
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Jan 17 05:46:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	18281	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	107163	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	76877	20.00	ng	-0.02
64) Phenanthrene-d10	17.40	188	174772	20.00	ng	-0.02
76) Chrysene-d12	21.68	240	168811	20.00	ng	-0.03
87) Perylene-d12	24.94	264	173194	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	144096	149.53	ng	-0.01
7) Phenol-d6	7.17	99	192069	138.49	ng	-0.02
23) Nitrobenzene-d5	9.20	82	188556	96.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	146615	113.77	ng	-0.02
45) 2-Fluorobiphenyl	13.27	172	519949	92.56	ng	-0.02
79) Terphenyl-d14	20.01	244	947612	103.84	ng	-0.02

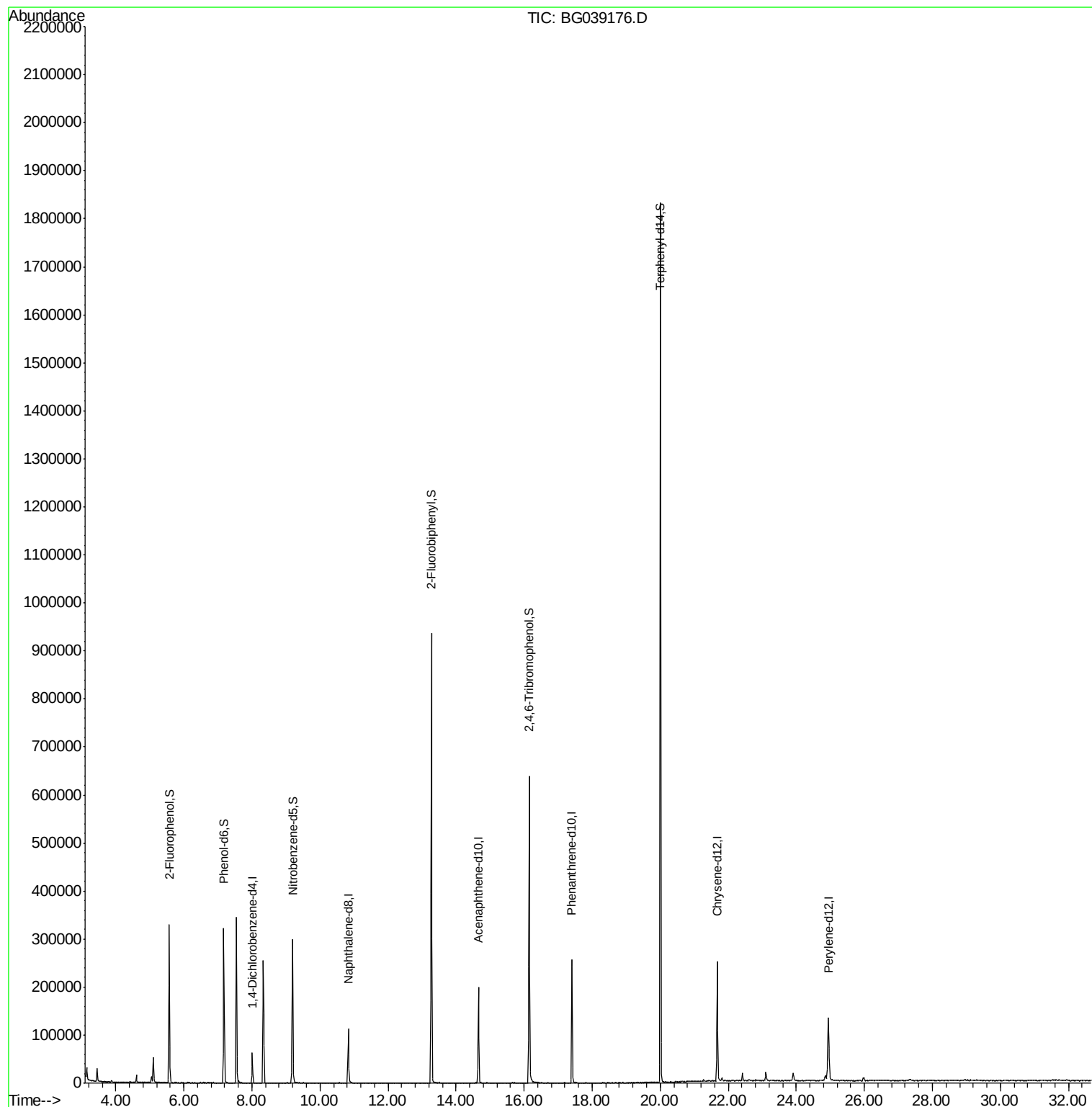
Target Compounds Qvalue

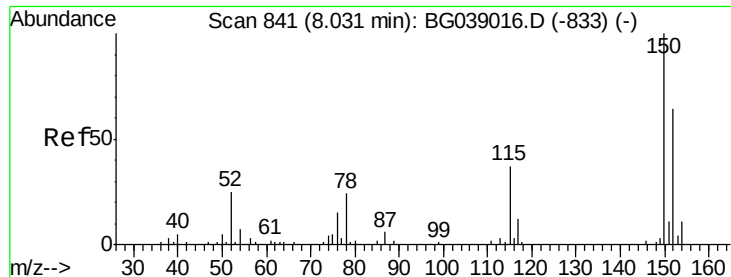
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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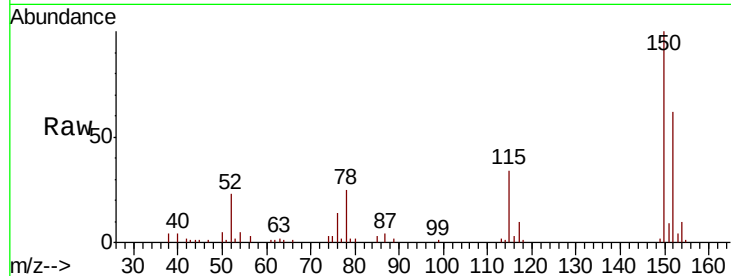


#1

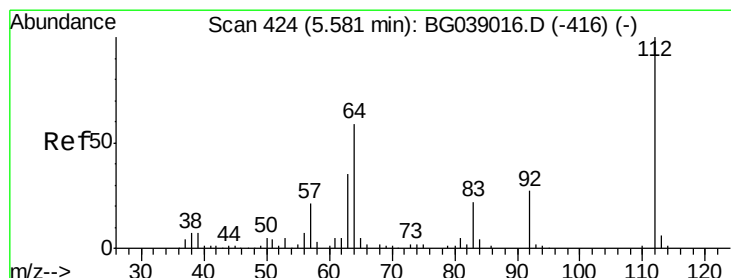
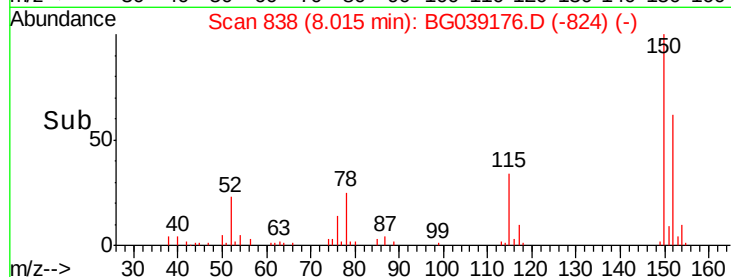
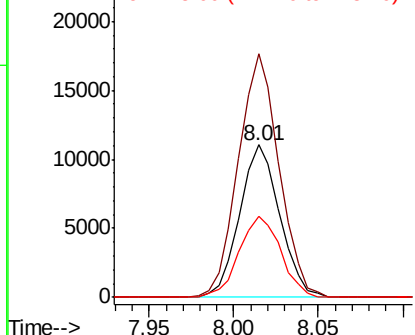
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.02 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Instrument :
BNA_G
ClientSampled :
TP-9

Tot Ion:152 Resp: 18281
Ion Ratio Lower Upper
152 100
150 160.0 124.7 187.1
115 53.6 46.5 69.7



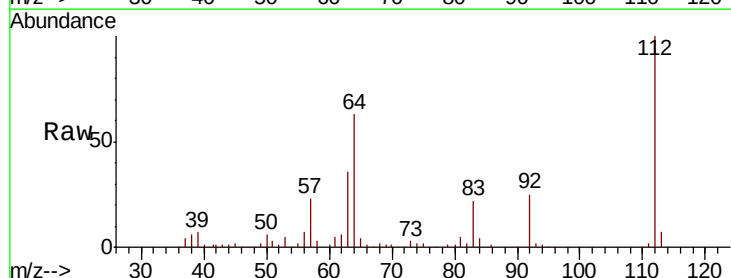
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



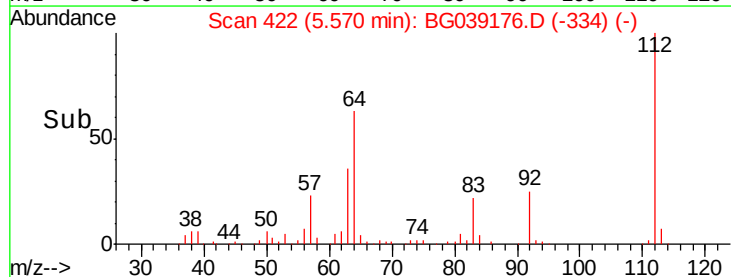
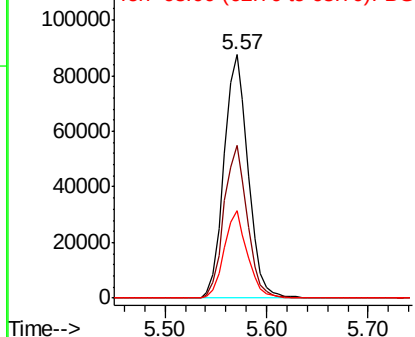
#5

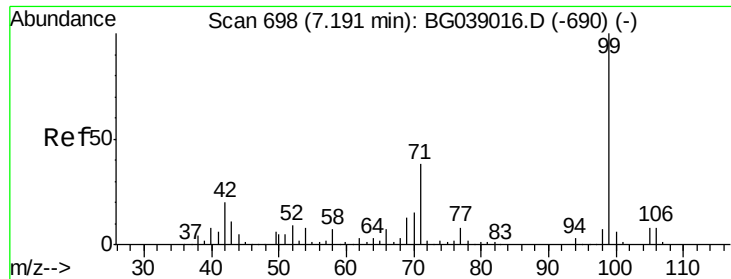
2-Fluorophenol
Concen: 149.526 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Tgt Ion:112 Resp: 144096
Ion Ratio Lower Upper
112 100
64 62.8 47.0 70.6
63 35.9 28.0 42.0



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: 138.491 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampled :

TP-9

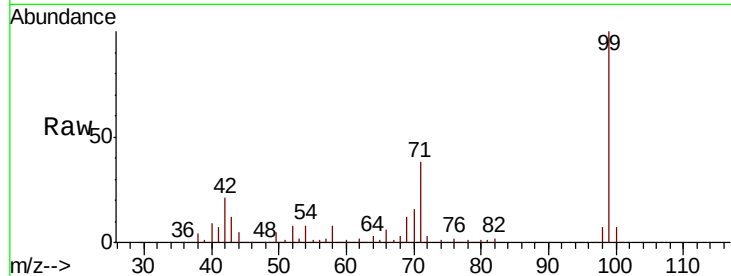
Tot Ion: 99 Resp: 192069

Ion Ratio Lower Upper

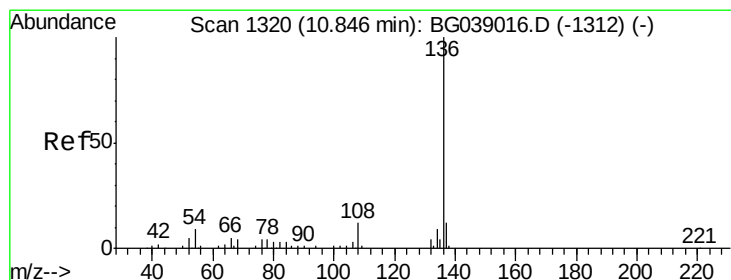
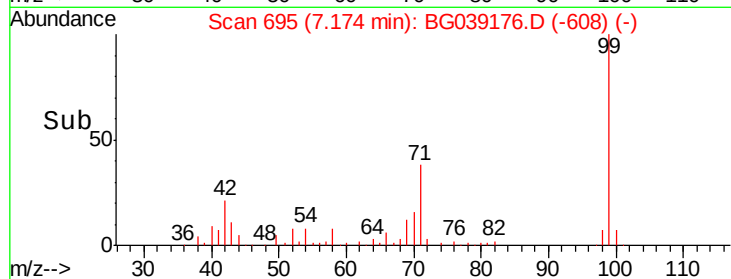
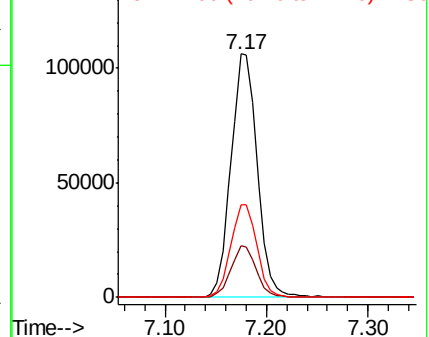
99 100

42 21.0 15.8 23.6

71 37.9 30.2 45.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Tgt Ion: 136 Resp: 107163

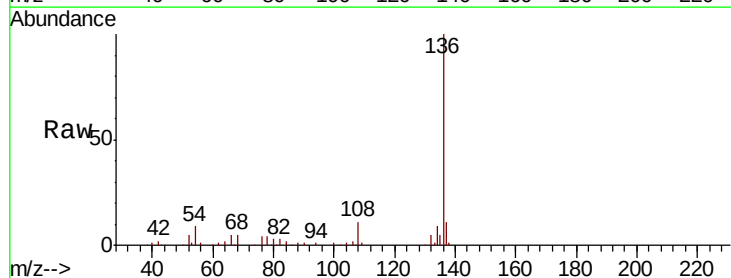
Ion Ratio Lower Upper

136 100

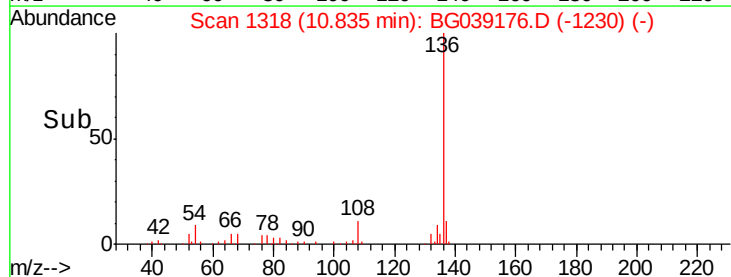
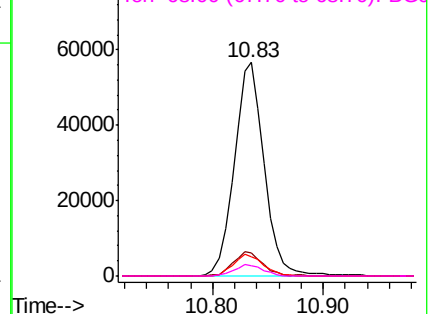
137 10.7 9.4 14.2

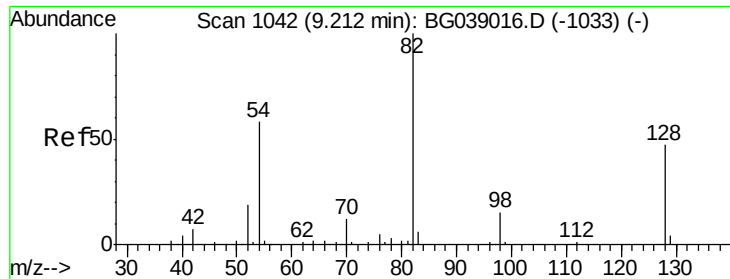
54 8.8 7.2 10.8

68 5.0 3.5 5.3



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

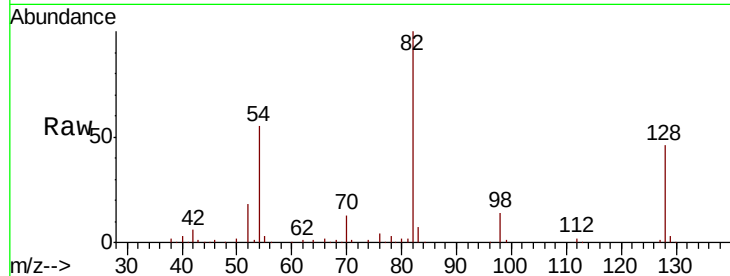




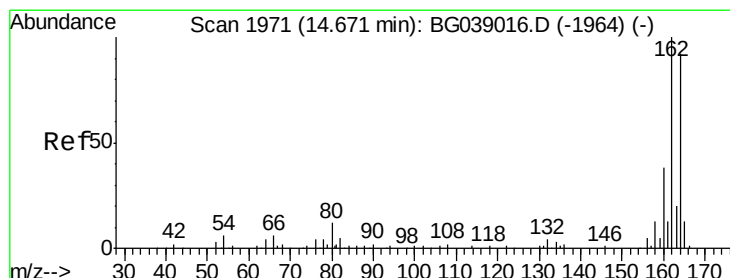
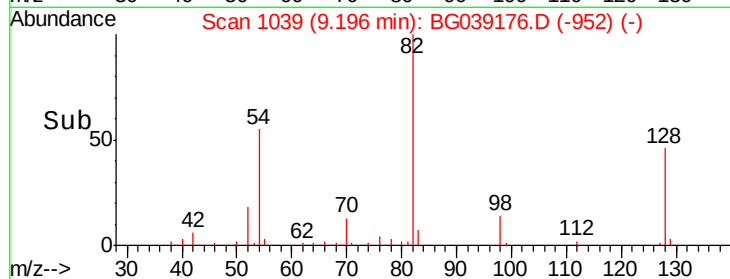
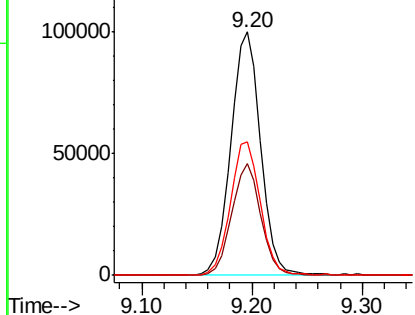
#23
 Nitrobenzene-d5
 Concen: 96.280 ng
 RT: 9.20 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tot Ion	82.00	Resp	188556
Ion Ratio	100	Lower	Upper
128	46.0	37.3	55.9
54	54.7	46.4	69.6

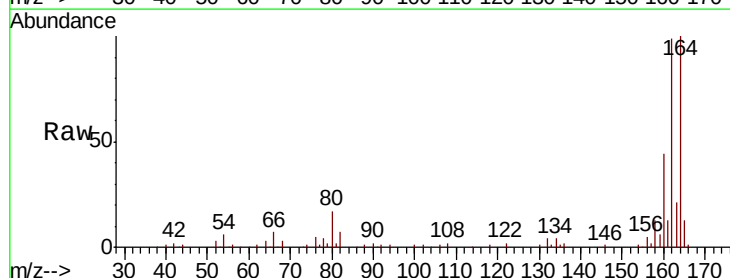


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

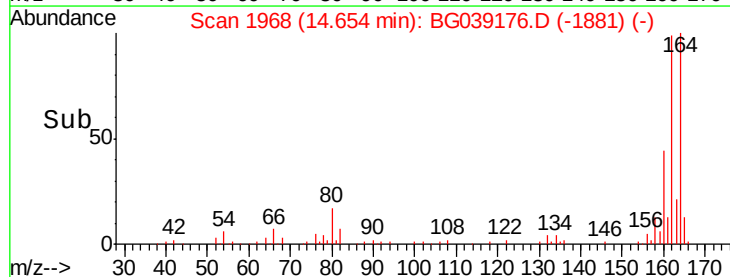
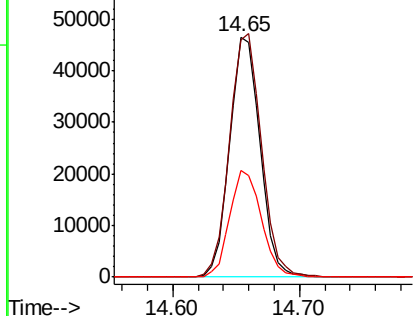


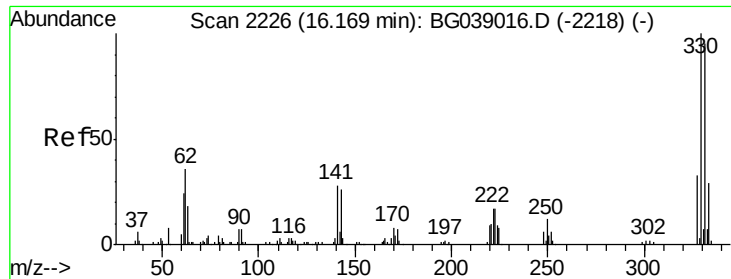
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Tgt Ion	164	Resp	76877
Ion Ratio	100	Lower	Upper
162	98.7	87.2	130.8
160	44.1	33.3	49.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 113.772 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampleId :

TP-9

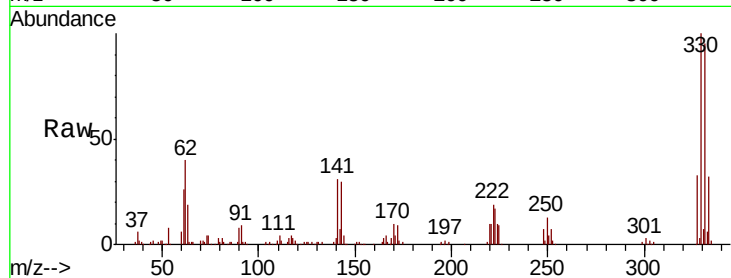
Tot Ion:330 Resp: 146615

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

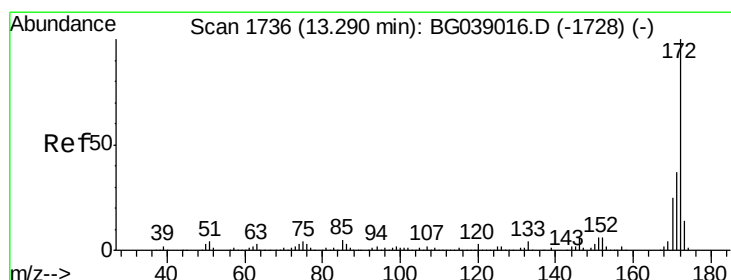
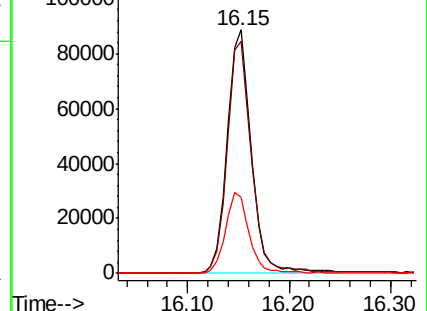
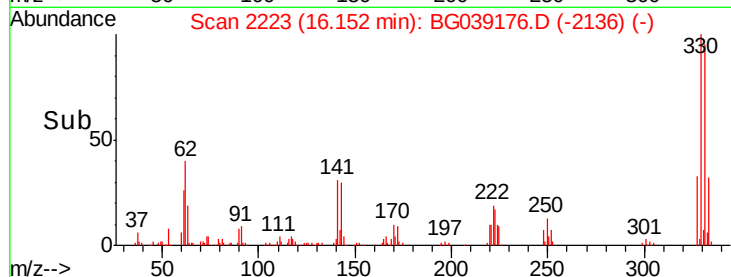
141 32.4 24.9 37.3



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



#45

2-Fluorobiphenyl

Concen: 92.561 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

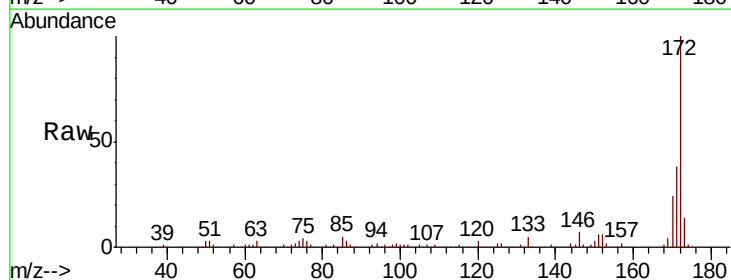
Tgt Ion:172 Resp: 519949

Ion Ratio Lower Upper

172 100

171 37.7 29.4 44.0

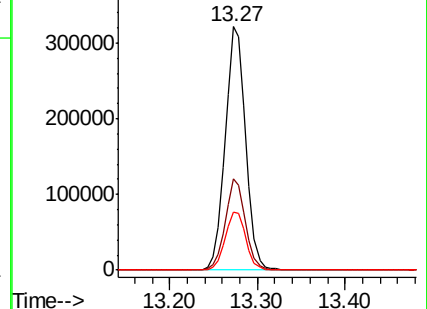
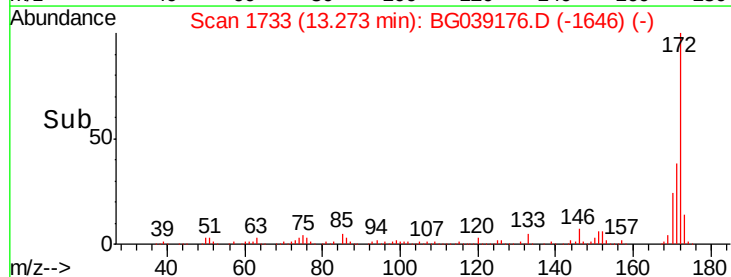
170 23.6 20.1 30.1

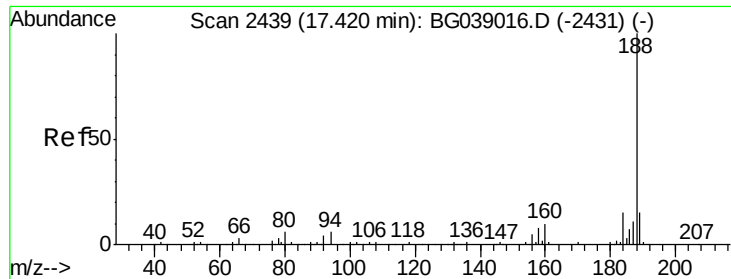


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampled :

TP-9

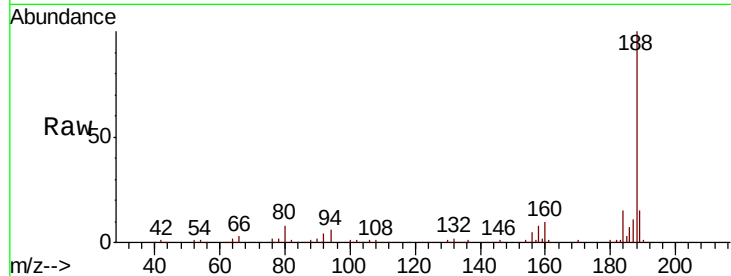
Tot Ion:188 Resp: 174772

Ion Ratio Lower Upper

188 100

94 6.5 5.0 7.4

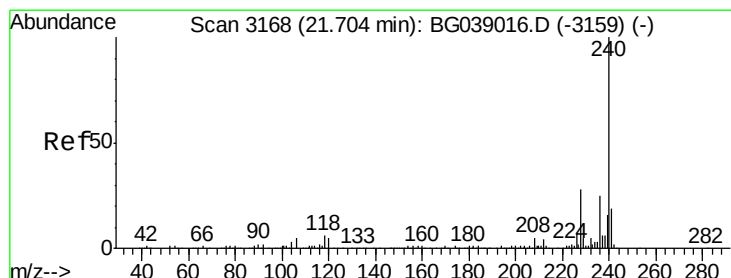
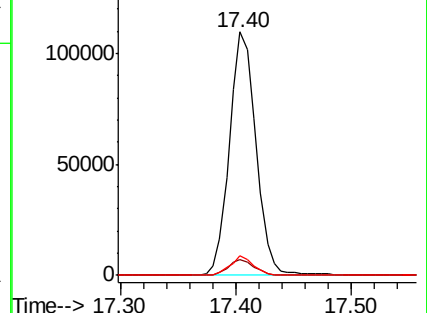
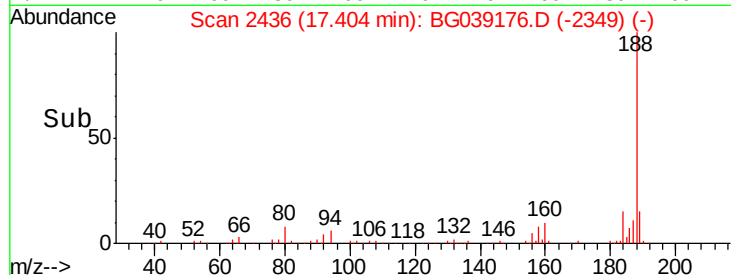
80 7.9 4.7 7.1#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3163

Delta R.T. -0.03 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

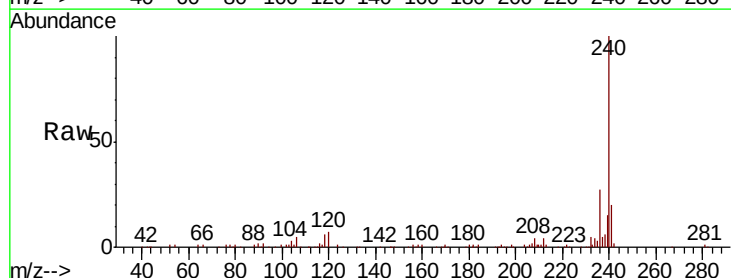
Tgt Ion:240 Resp: 168811

Ion Ratio Lower Upper

240 100

120 6.7 4.3 6.5#

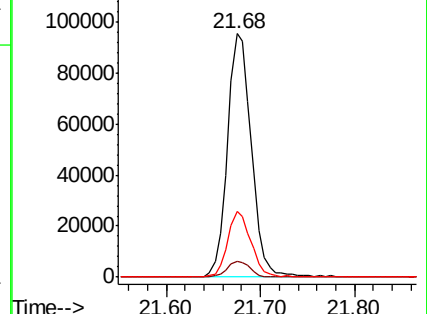
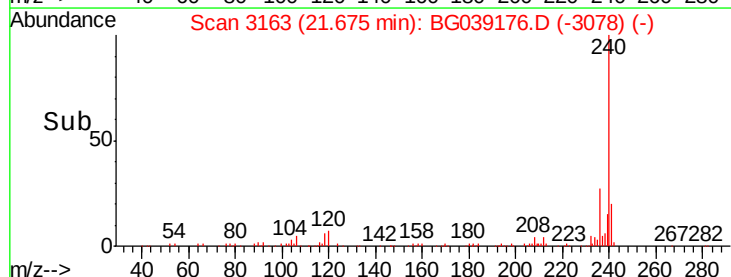
236 26.8 20.1 30.1

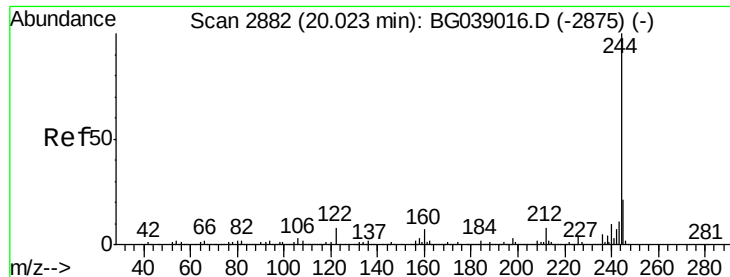


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 103.843 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampleId :

TP-9

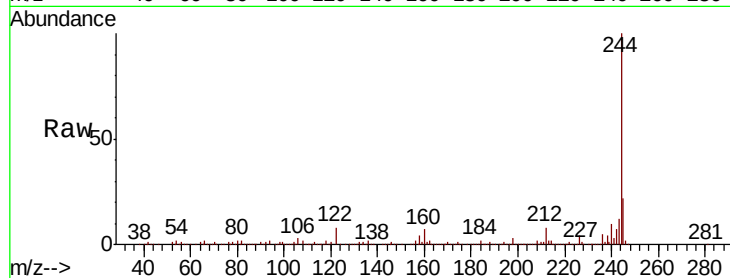
Tot Ion:244 Resp: 947612

Ion Ratio Lower Upper

244 100

212 8.2 6.1 9.1

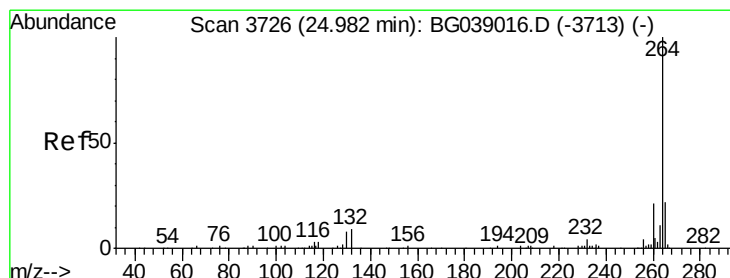
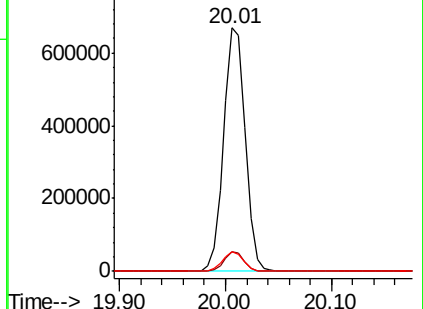
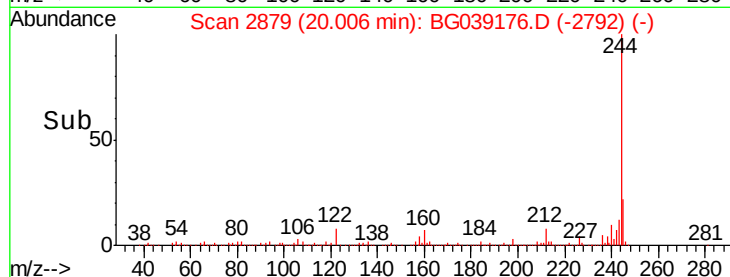
122 8.3 6.1 9.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.04 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

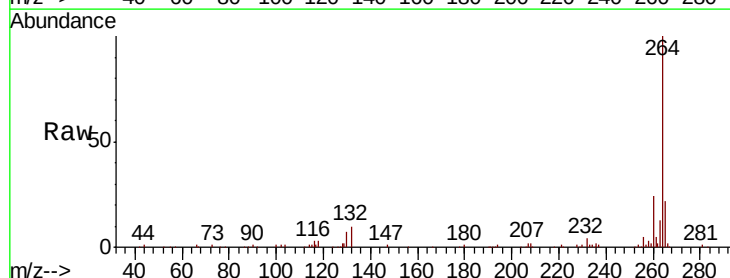
Tgt Ion:264 Resp: 173194

Ion Ratio Lower Upper

264 100

260 23.6 17.0 25.6

265 22.1 17.2 25.8



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

