

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039095.D
 Acq On : 11 Jan 2019 21:24
 Operator : JU/SJ
 Sample : K1099-24
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 00:29:26 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

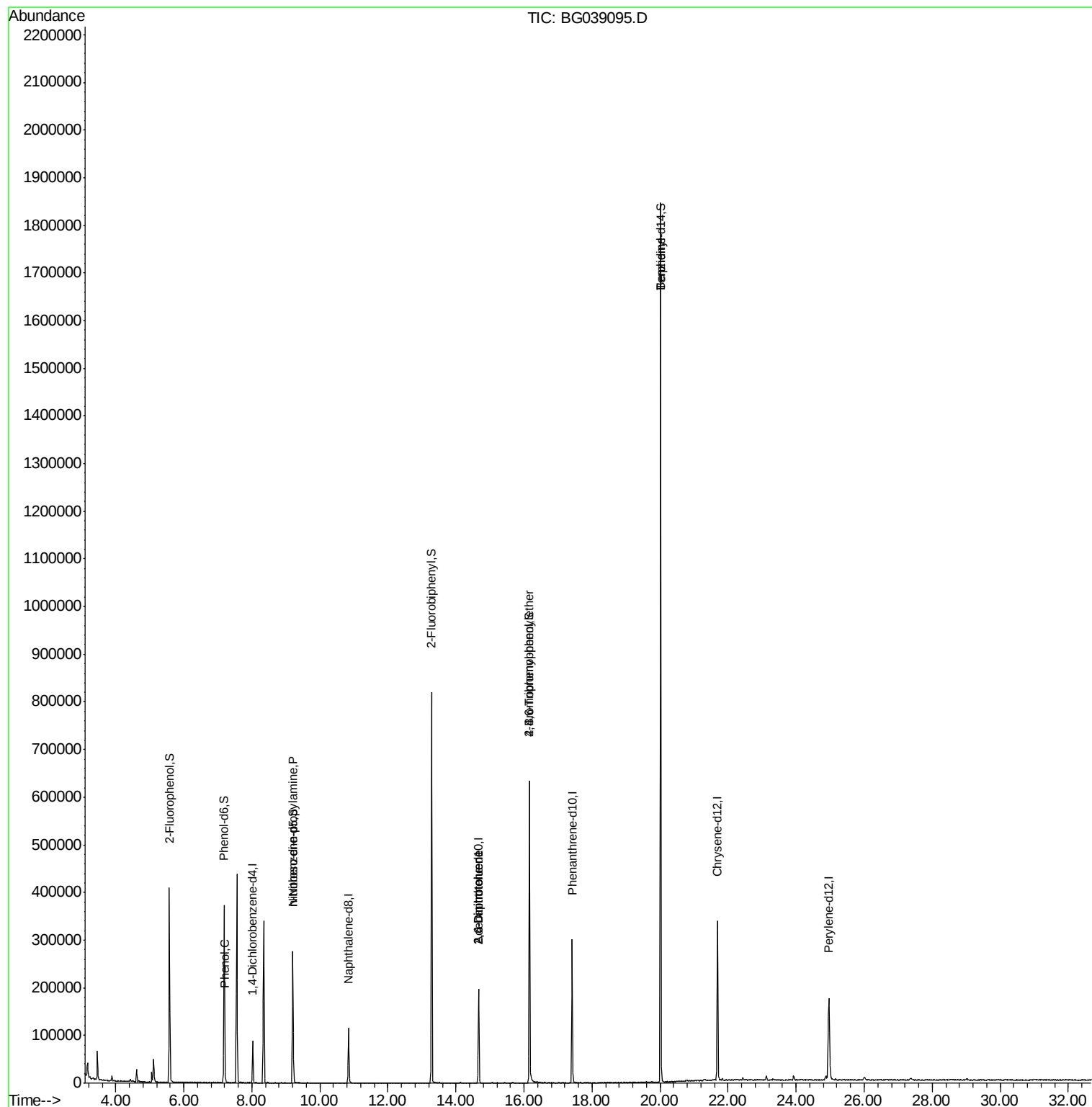
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27297	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	106074	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	73786	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	199419	20.00	ng	0.00
76) Chrysene-d12	21.69	240	214025	20.00	ng	-0.02
87) Perylene-d12	24.97	264	217276	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	192085	133.49	ng	0.00
7) Phenol-d6	7.19	99	231556	111.82	ng	0.00
23) Nitrobenzene-d5	9.20	82	173992	89.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	143109	115.70	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	461922	85.68	ng	0.00
79) Terphenyl-d14	20.02	244	945749	81.74	ng	0.00
Target Compounds						
10) Phenol	7.21	94	4195	2.021	ng	# 72
19) n-Nitroso-di-n-propylamine	9.20	70	22272	16.378	ng	# 63
51) 2,6-Dinitrotoluene	14.67	165	9558	6.856	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	9558	4.779	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10013	3.906	ng	# 1
77) Benzidine	20.02	184	14646	2.237	ng	# 91

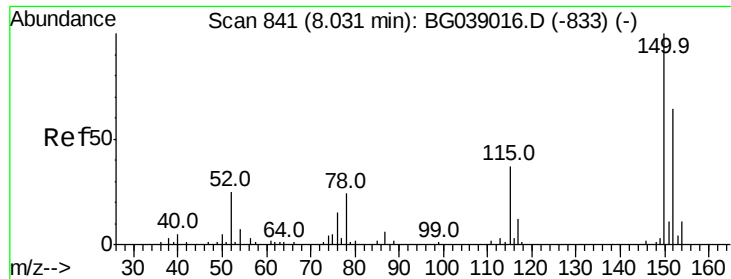
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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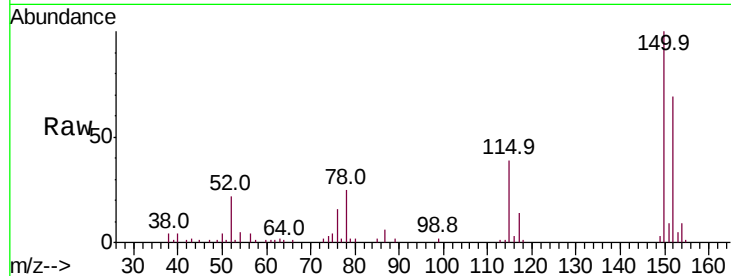


#1

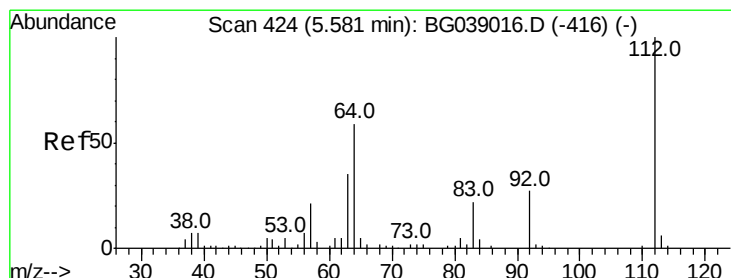
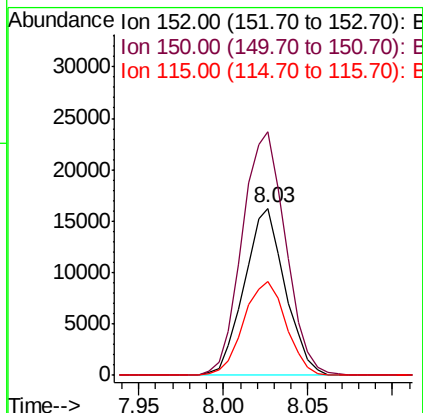
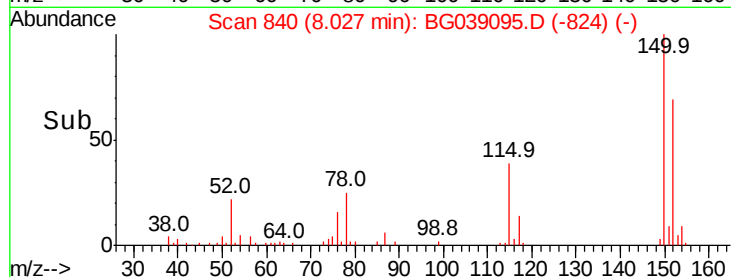
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27297
Ion Ratio Lower Upper
152 100
150 145.6 124.7 187.1
115 56.3 46.5 69.7



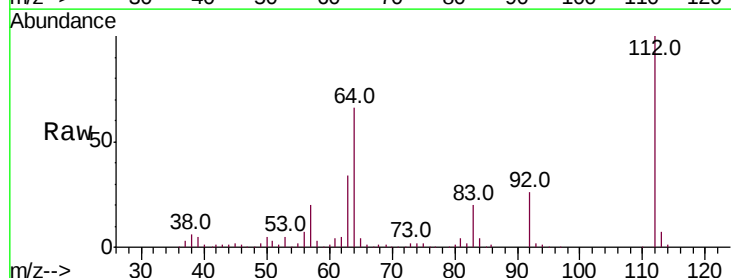
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



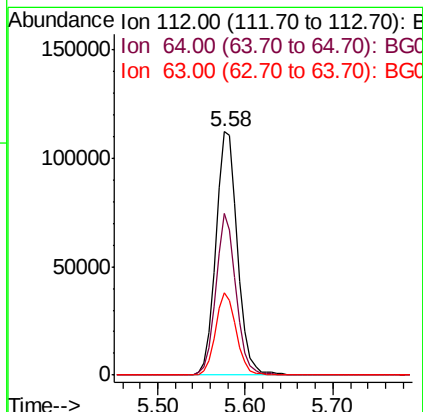
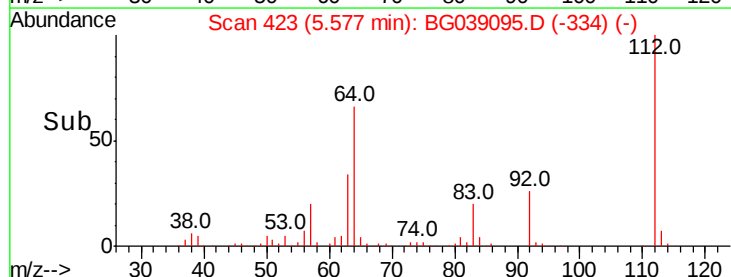
#5

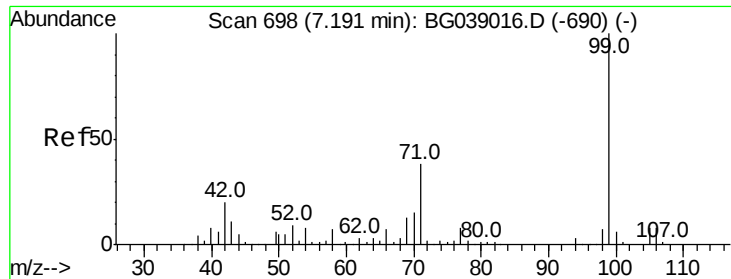
2-Fluorophenol
Concen: 133.488 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

Tgt Ion:112 Resp: 192085
Ion Ratio Lower Upper
112 100
64 66.3 47.0 70.6
63 33.9 28.0 42.0



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: 111.816 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

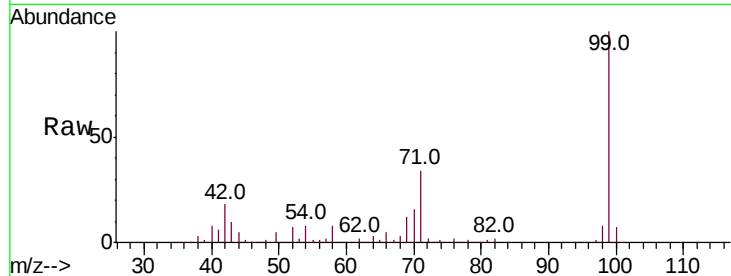
Tot Ion: 99 Resp: 231556

Ion Ratio Lower Upper

99 100

42 17.7 15.8 23.6

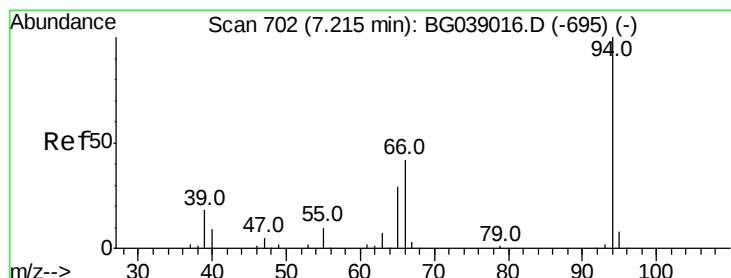
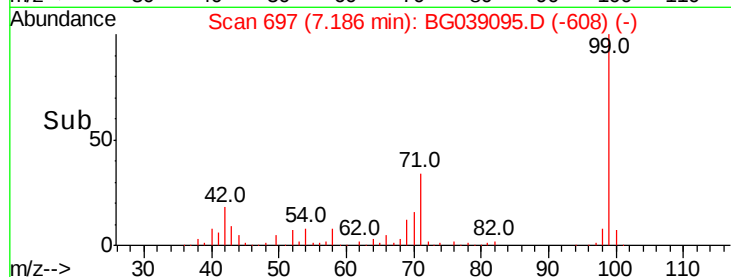
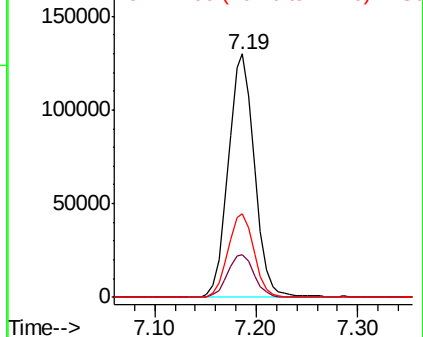
71 34.3 30.2 45.4



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



#10

Phenol

Concen: 2.021 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

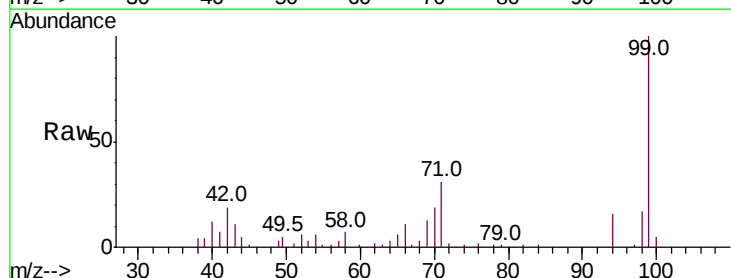
Tgt Ion: 94 Resp: 4195

Ion Ratio Lower Upper

94 100

65 40.9 10.3 50.3

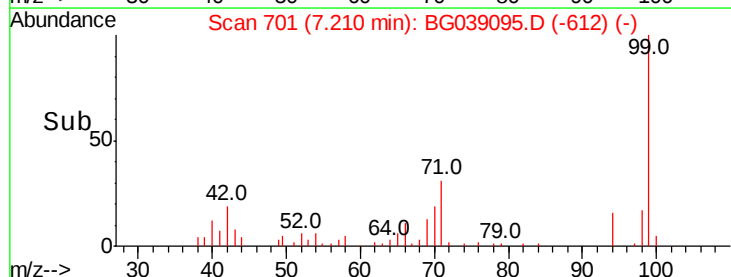
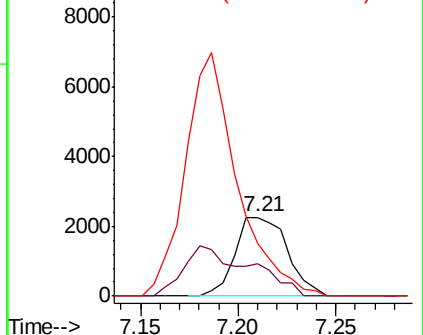
66 66.8 25.1 65.1#

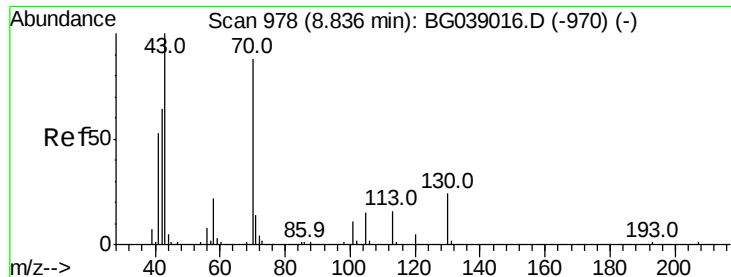


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

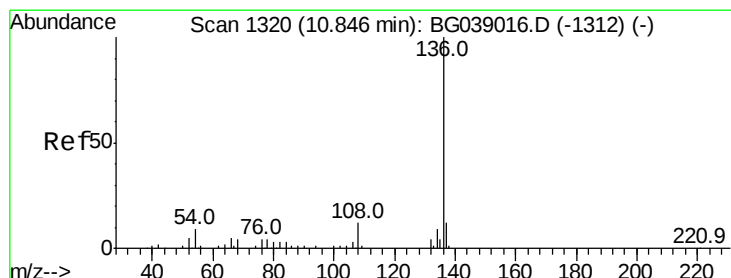
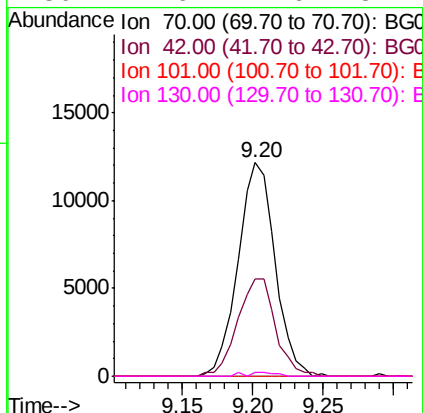
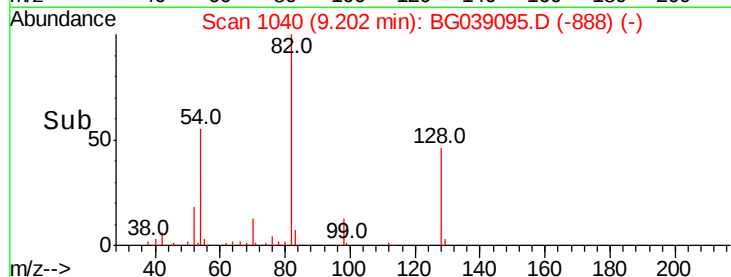
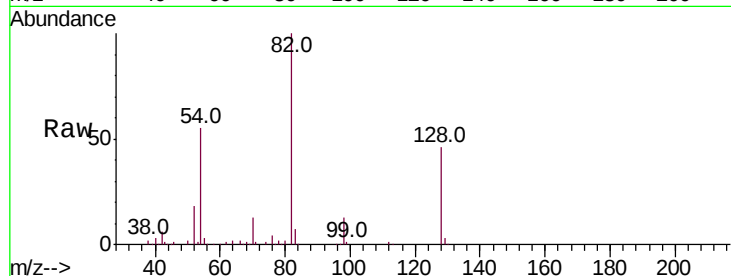




#19
n-Nitroso-di-n-propylamine
Concen: 16.378 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.37 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

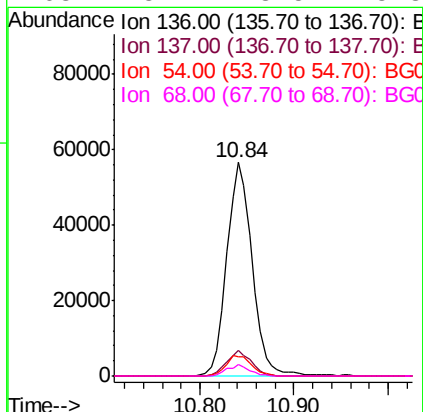
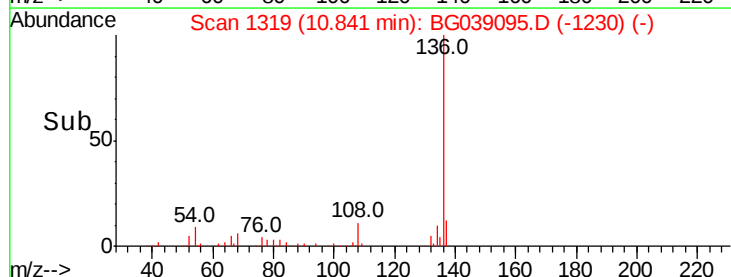
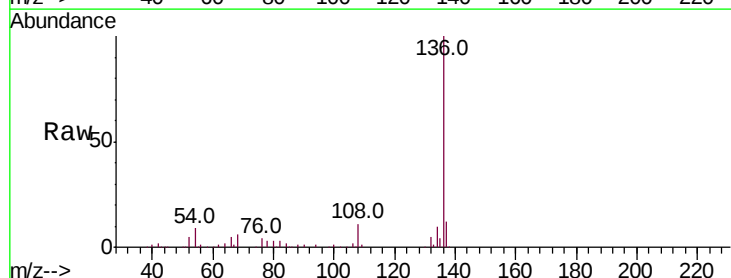
Instrument :
BNA_G
ClientSampleId :

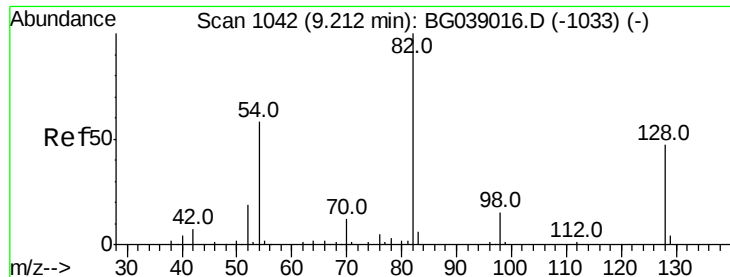
Tot Ion: 70 Resp: 22272
Ion Ratio Lower Upper
70 100
42 45.5 59.0 88.4#
101 0.0 10.4 15.6#
130 1.6 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

Tgt Ion: 136 Resp: 106074
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.2
54 8.7 7.2 10.8
68 5.7 3.5 5.3#

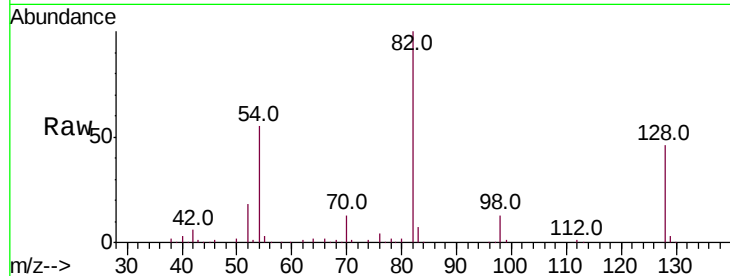




#23
Nitrobenzene-d5
Concen: 89.756 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.3	55.9
54	54.9	46.4	69.6

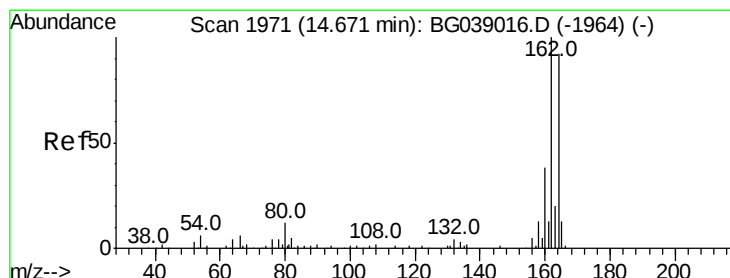
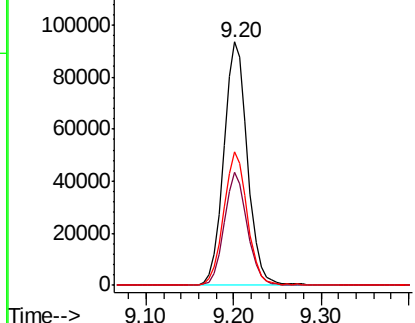
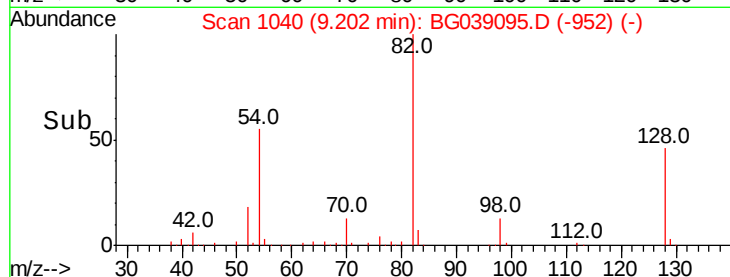


Abundance

Ion 82.00 (81.70 to 82.70): BG039095.D (-952) (-)

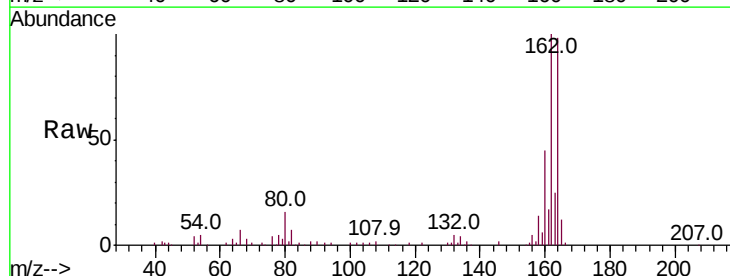
Ion 128.00 (127.70 to 128.70): BG039095.D (-952) (-)

Ion 54.00 (53.70 to 54.70): BG039095.D (-952) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG039095.D
Acq: 11 Jan 2019 21:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	87.2	130.8
160	45.6	33.3	49.9

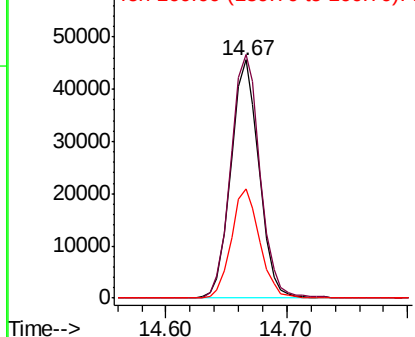
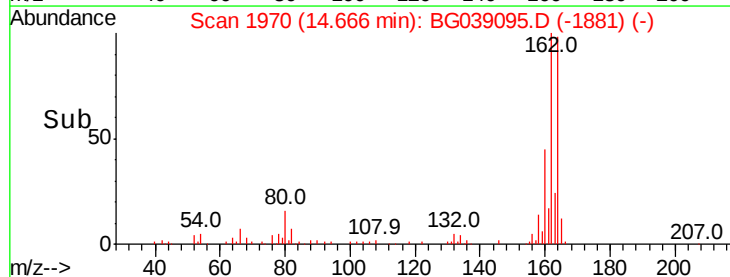


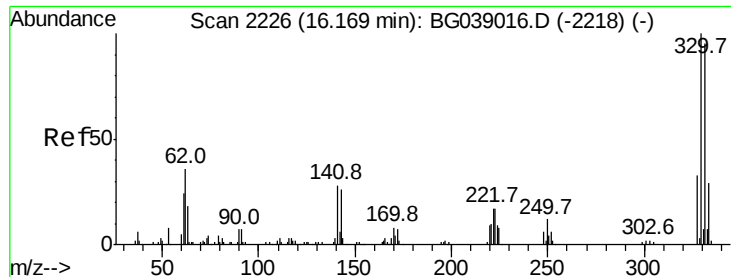
Abundance

Ion 164.00 (163.70 to 164.70): BG039095.D (-1881) (-)

Ion 162.00 (161.70 to 162.70): BG039095.D (-1881) (-)

Ion 160.00 (159.70 to 160.70): BG039095.D (-1881) (-)

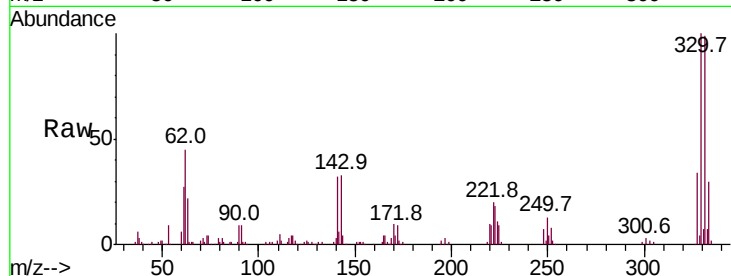




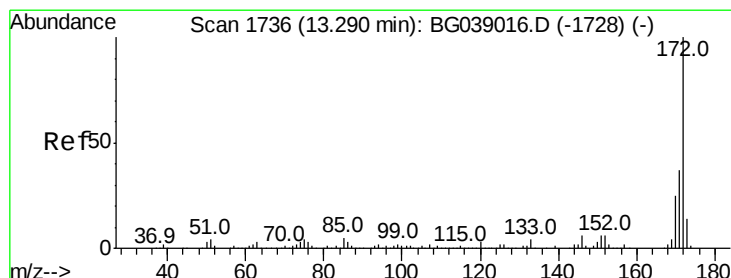
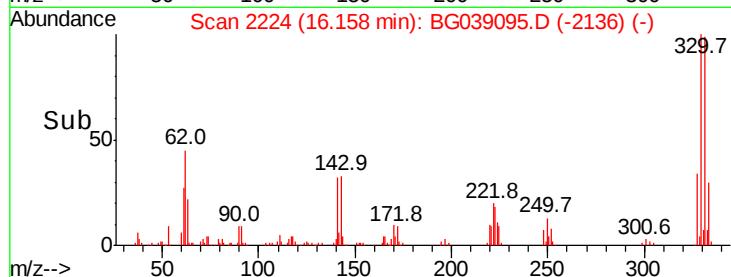
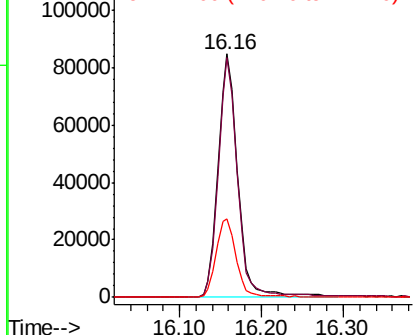
#42
 2,4,6-Tribromophenol
 Concen: 115.704 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG039095.D
 Acq: 11 Jan 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.7	113.5
141	32.8	24.9	37.3

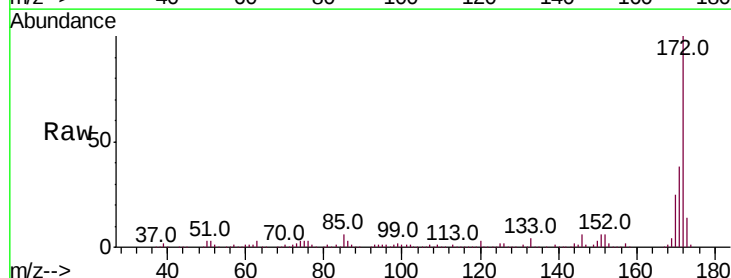


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

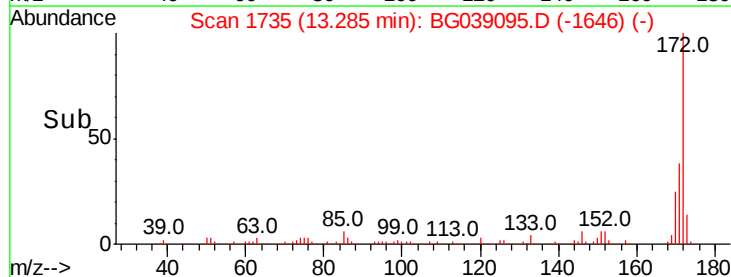
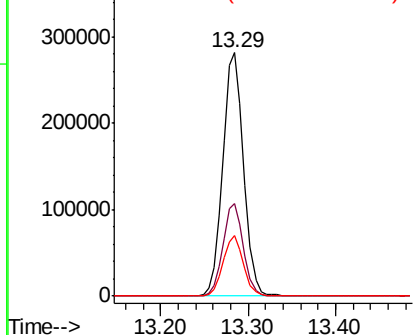


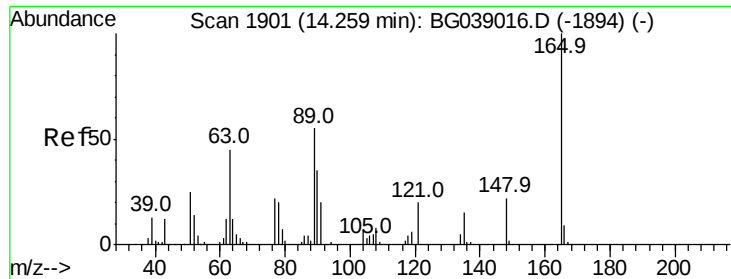
#45
 2-Fluorobiphenyl
 Concen: 85.676 ng
 RT: 13.29 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG039095.D
 Acq: 11 Jan 2019 21:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.0
170	25.0	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

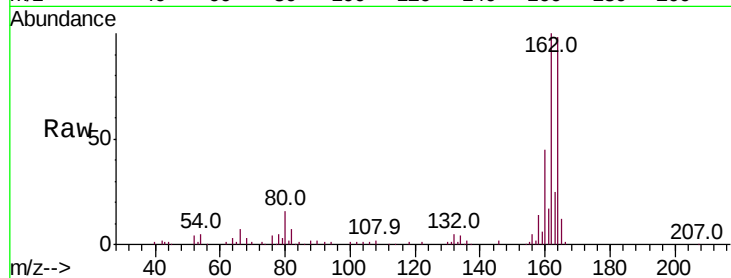




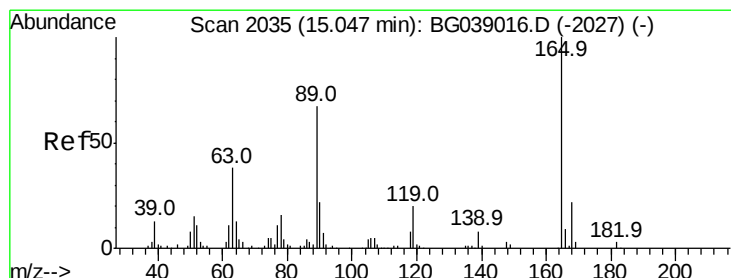
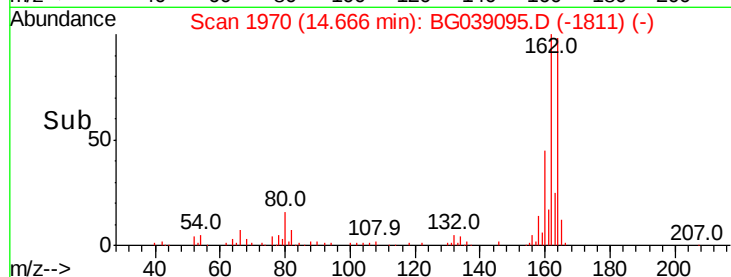
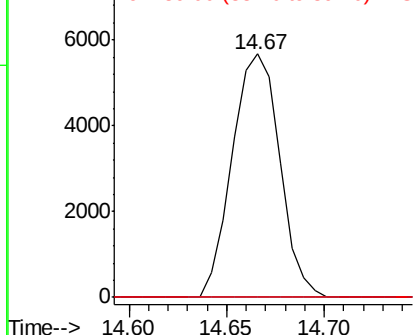
#51
 2,6-Dinitrotoluene
 Concen: 6.856 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.41 min
 Lab File: BG039095.D
 Acq: 11 Jan 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9558
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

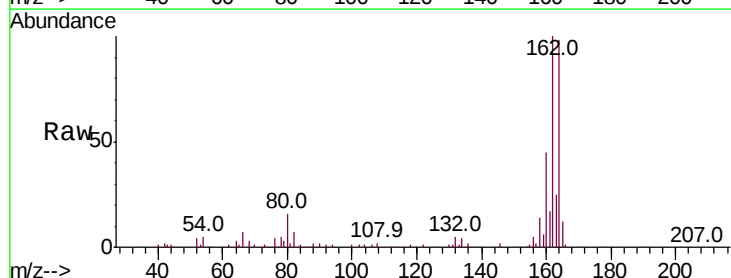


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

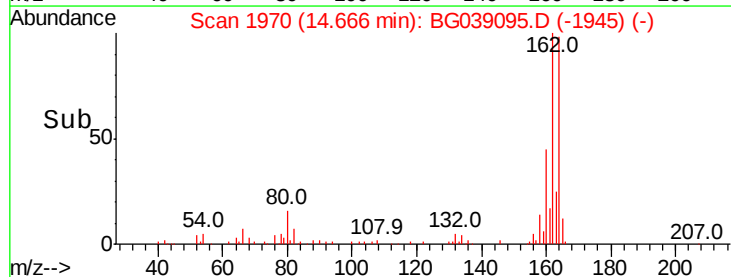
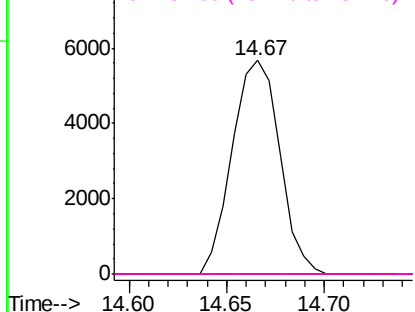


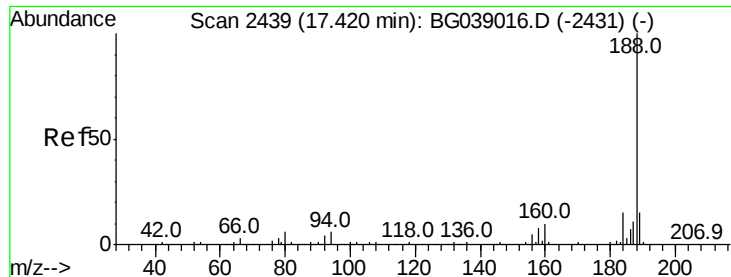
#57
 2,4-Dinitrotoluene
 Concen: 4.779 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039095.D
 Acq: 11 Jan 2019 21:24

Tgt Ion:165 Resp: 9558
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

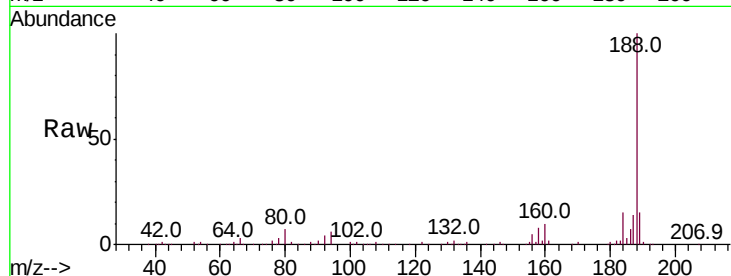
Tot Ion:188 Resp: 199419

Ion Ratio Lower Upper

188 100

94 6.4 5.0 7.4

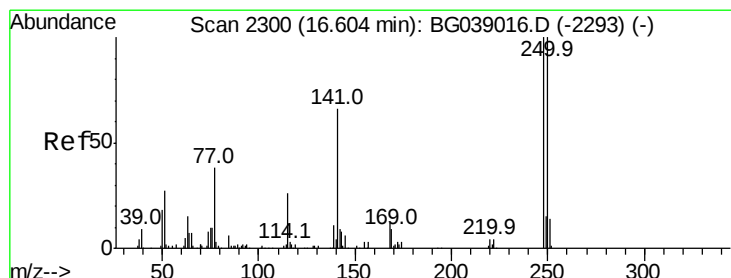
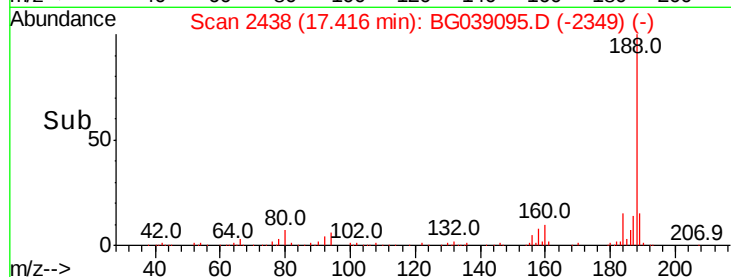
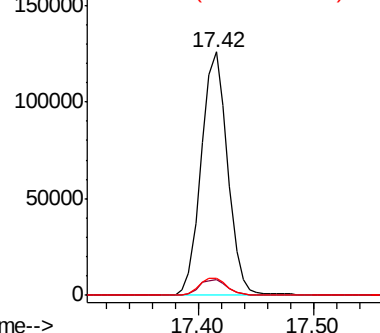
80 7.2 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.906 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

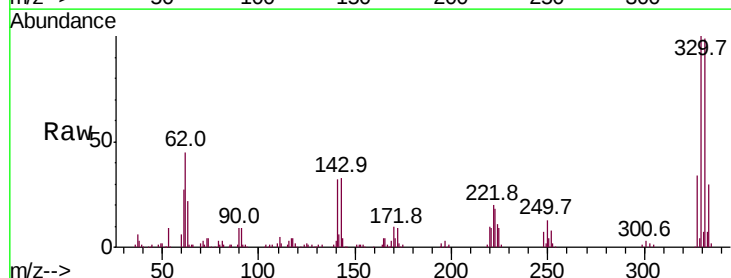
Tgt Ion:248 Resp: 10013

Ion Ratio Lower Upper

248 100

250 235.3 79.9 119.9#

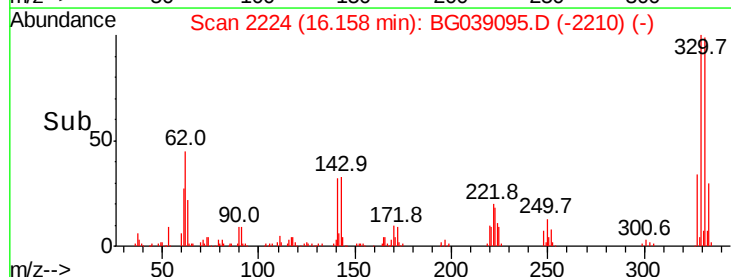
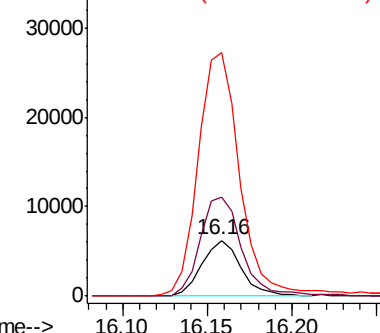
141 438.7 52.7 79.1#

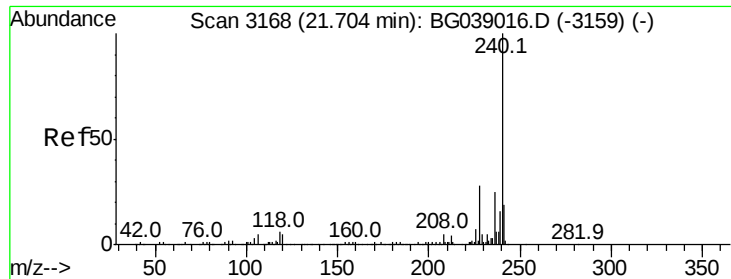


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

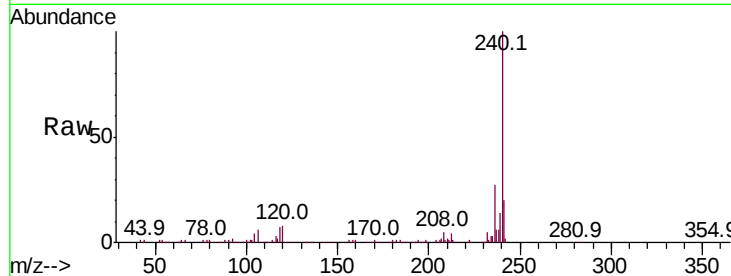
Tot Ion:240 Resp: 214025

Ion Ratio Lower Upper

240 100

120 8.1 4.3 6.5#

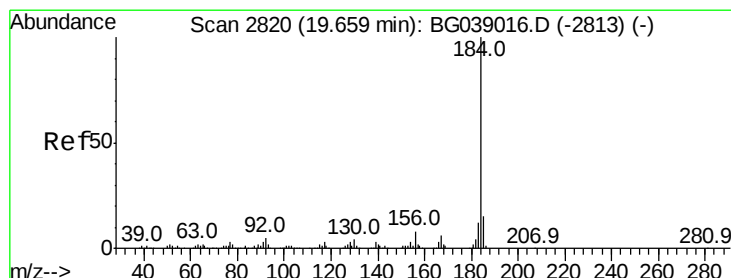
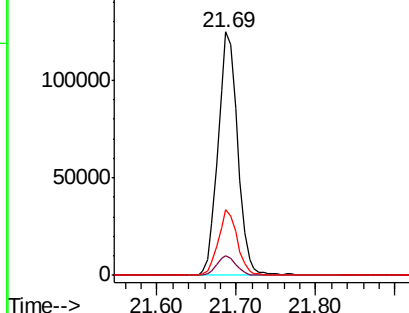
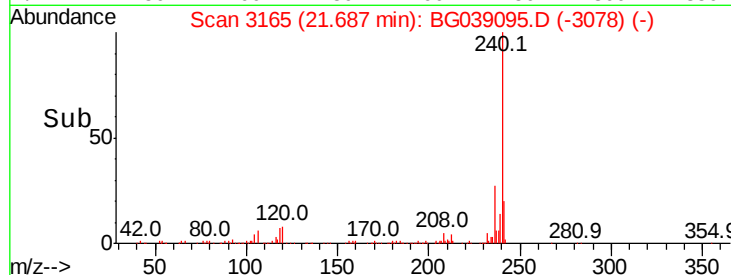
236 26.8 20.1 30.1



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



#77

Benzidine

Concen: 2.237 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

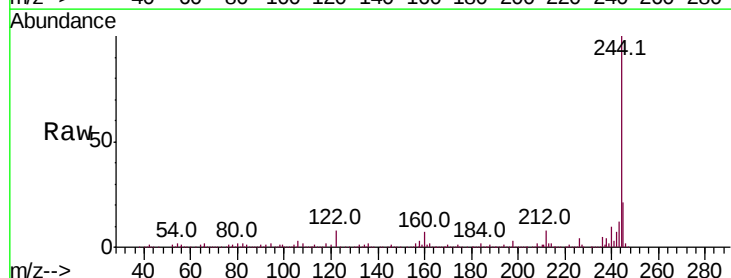
Tgt Ion:184 Resp: 14646

Ion Ratio Lower Upper

184 100

185 17.2 12.1 18.1

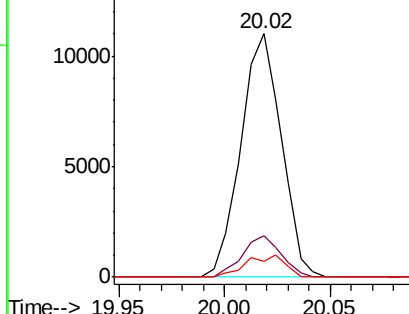
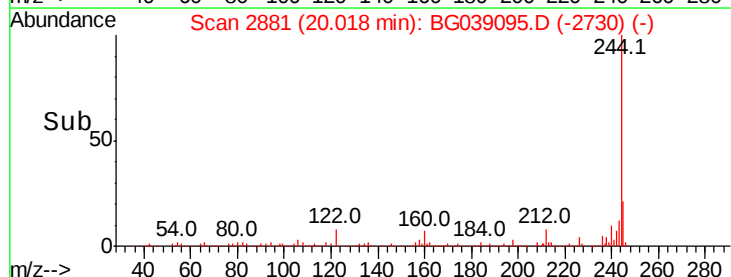
183 6.7 9.5 14.3#

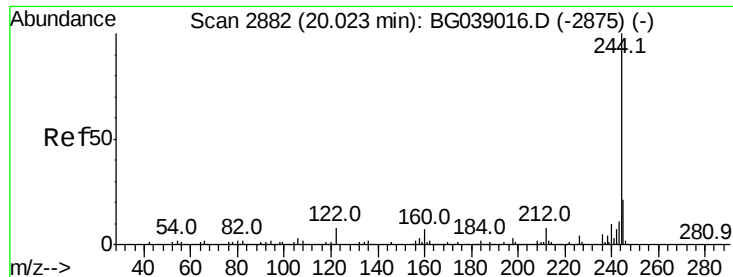


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 81.744 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

Instrument :

BNA_G

ClientSampled :

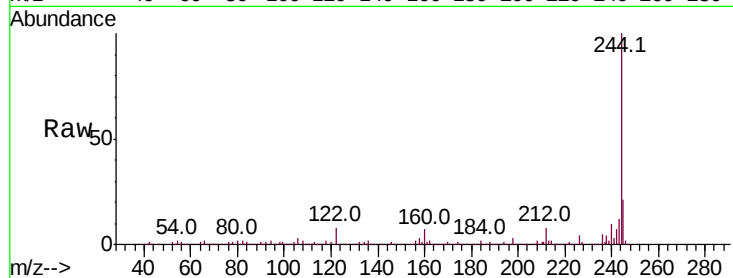
Tot Ion:244 Resp: 945749

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

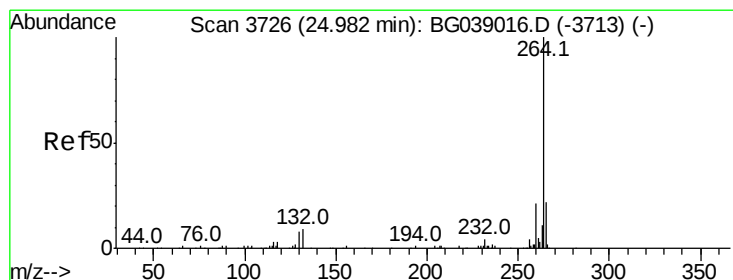
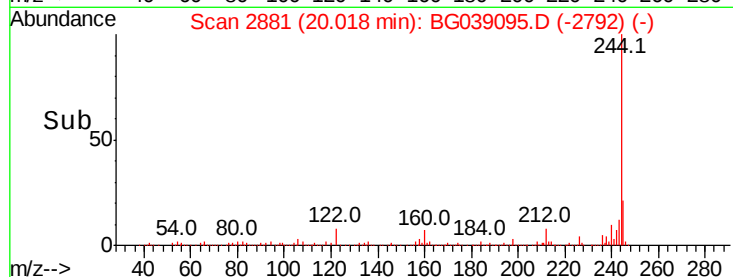
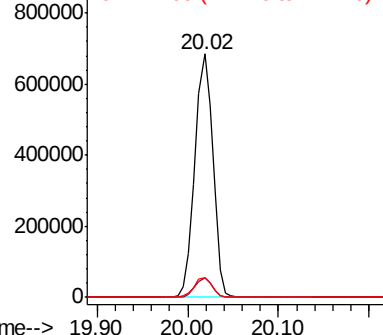
122 8.3 6.1 9.1



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: 24.97 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039095.D

Acq: 11 Jan 2019 21:24

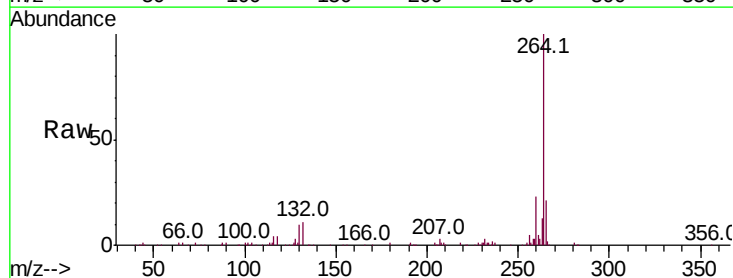
Tgt Ion:264 Resp: 217276

Ion Ratio Lower Upper

264 100

260 22.9 17.0 25.6

265 21.3 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

