

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011819\
 Data File : BG039222.D
 Acq On : 18 Jan 2019 19:14
 Operator : JU/SJ
 Sample : K1148-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Quant Time: Jan 18 21:57:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

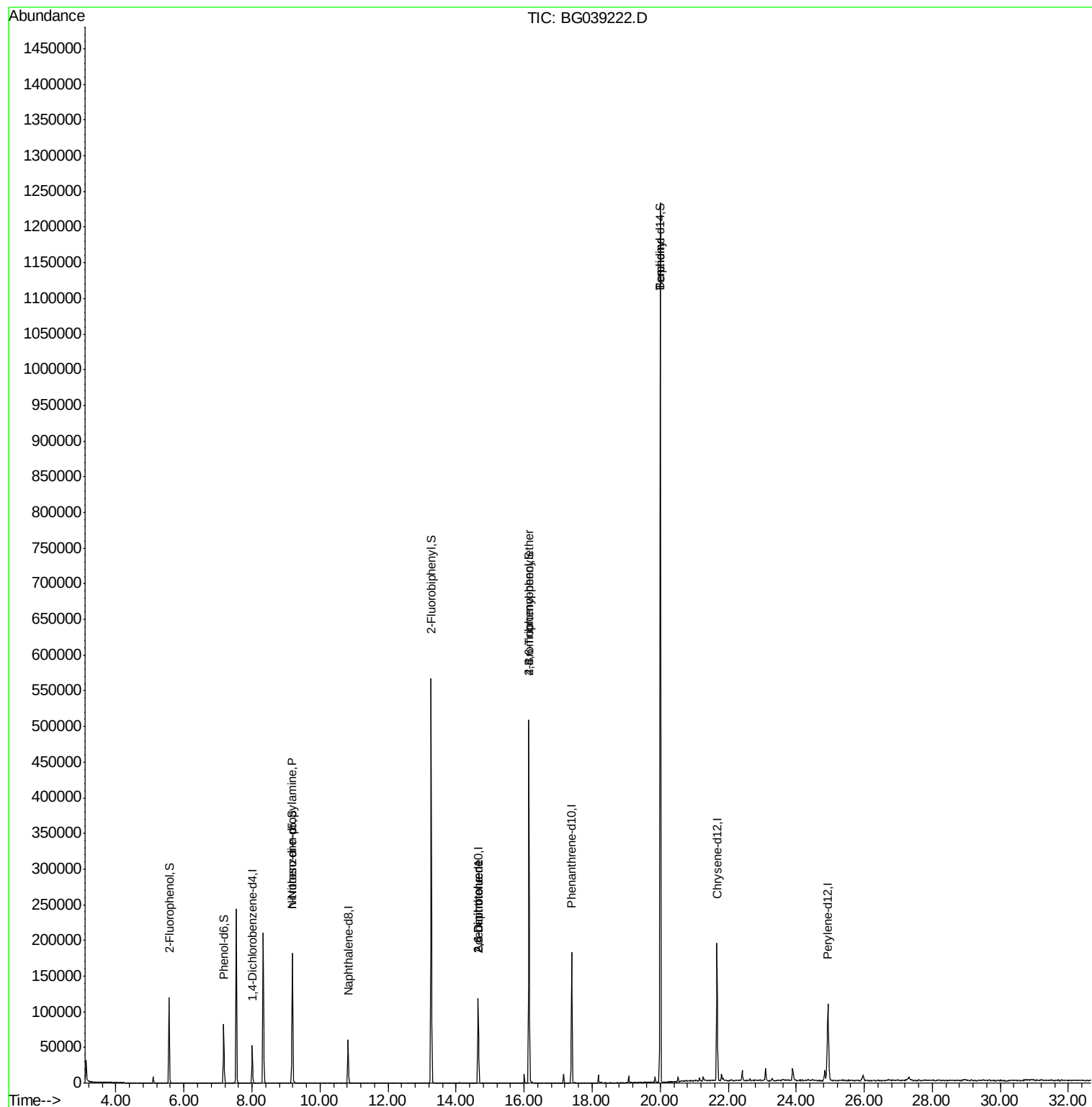
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15933	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	58519	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	44978	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	120884	20.00	ng	0.00
76) Chrysene-d12	21.67	240	124792	20.00	ng	0.00
87) Perylene-d12	24.93	264	134778	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	54460	64.84	ng	0.00
7) Phenol-d6	7.17	99	49214	40.71	ng	0.00
23) Nitrobenzene-d5	9.19	82	109009	101.93	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	110713	146.84	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	316604	96.33	ng	0.00
79) Terphenyl-d14	20.00	244	617199	91.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	14292	18.006	ng	# 65
51) 2,6-Dinitrotoluene	14.65	165	5591	6.579	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	5591	4.586	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	7092	4.564	ng	# 1
77) Benzidine	20.00	184	9658	2.530	ng	# 94

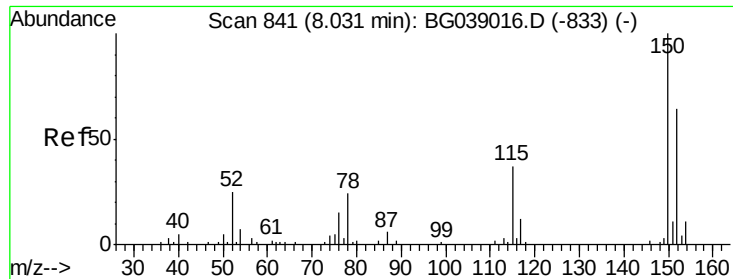
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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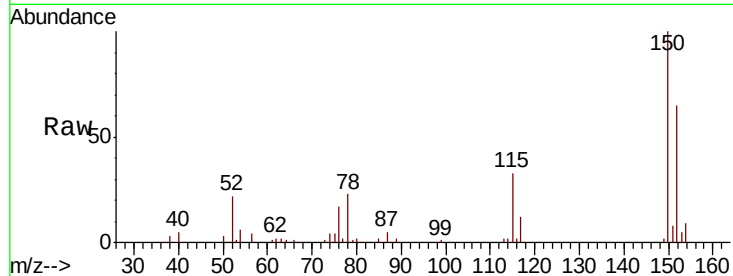


#1

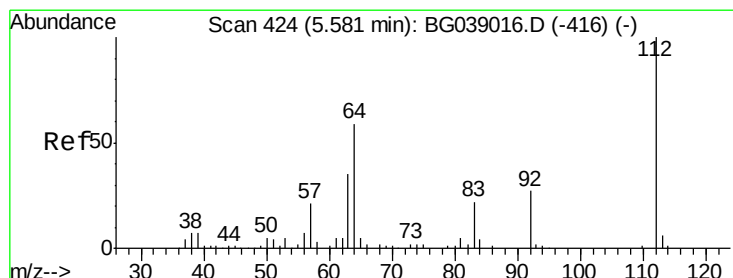
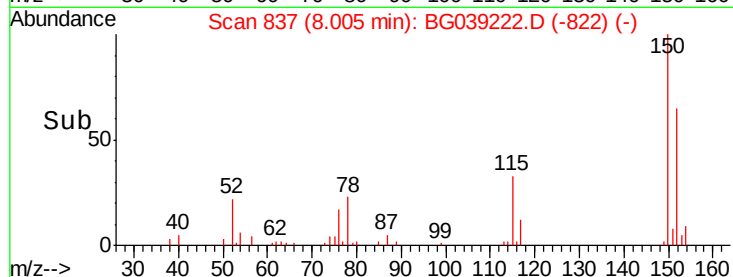
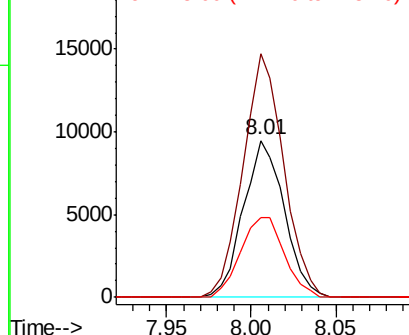
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039222.D
Acq: 18 Jan 2019 19:14

Instrument :
BNA_G
ClientSampleId :
T-1

Tgt Ion:152 Resp: 15933
Ion Ratio Lower Upper
152 100
150 155.0 124.7 187.1
115 50.7 46.5 69.7



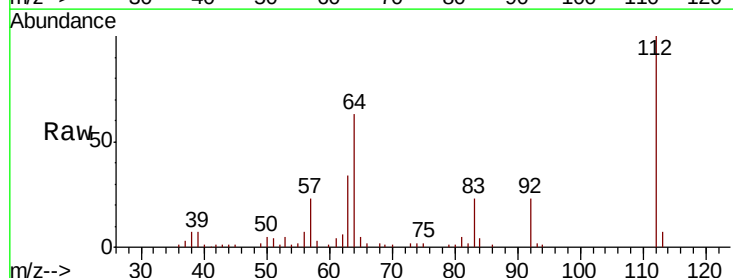
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



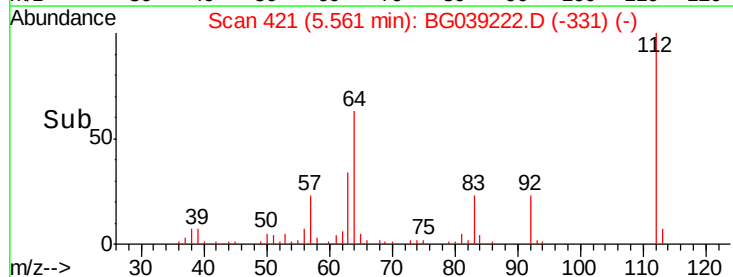
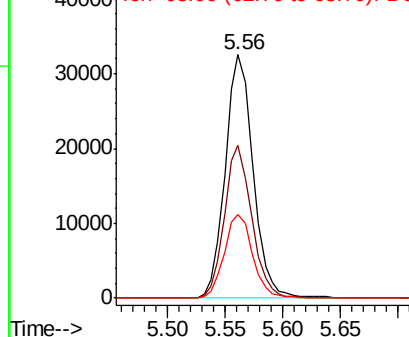
#5

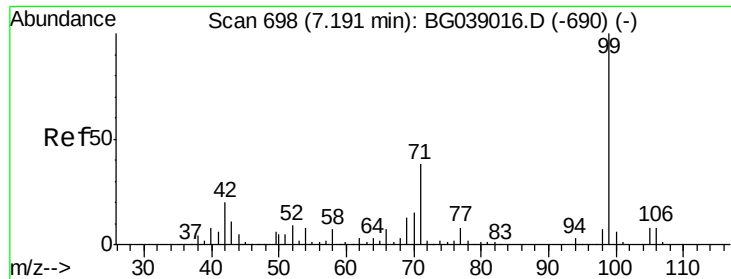
2-Fluorophenol
Concen: 64.840 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039222.D
Acq: 18 Jan 2019 19:14

Tgt Ion:112 Resp: 54460
Ion Ratio Lower Upper
112 100
64 62.6 47.0 70.6
63 34.5 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: 40.715 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

Instrument :

BNA_G

ClientSampled :

T-1

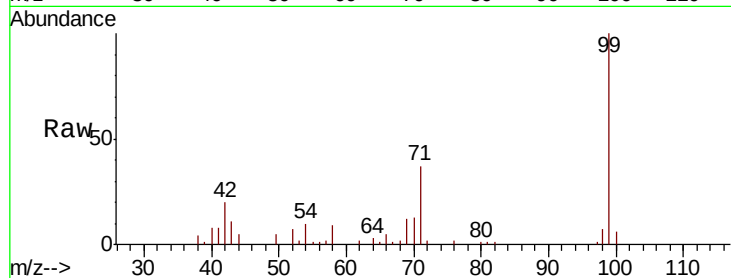
Tgt Ion: 99 Resp: 49214

Ion Ratio Lower Upper

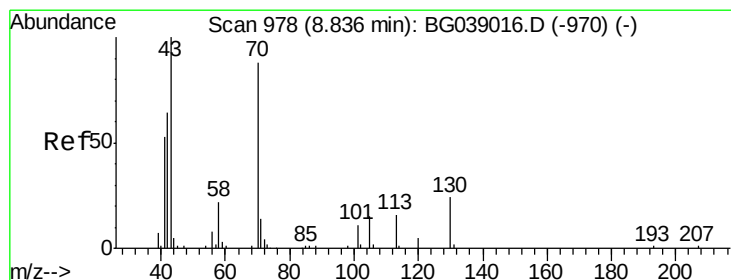
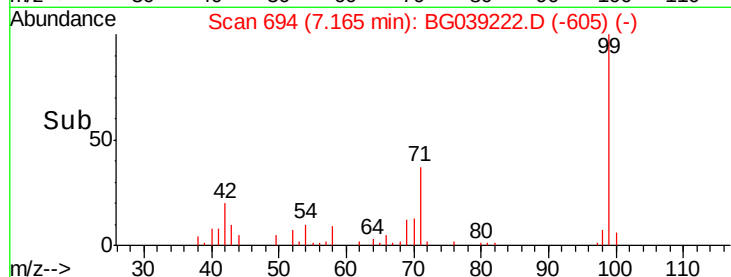
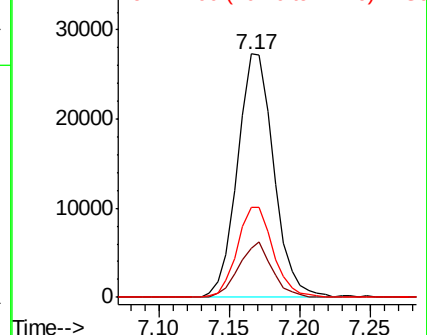
99 100

42 20.4 15.8 23.6

71 36.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.006 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

Tgt Ion: 70 Resp: 14292

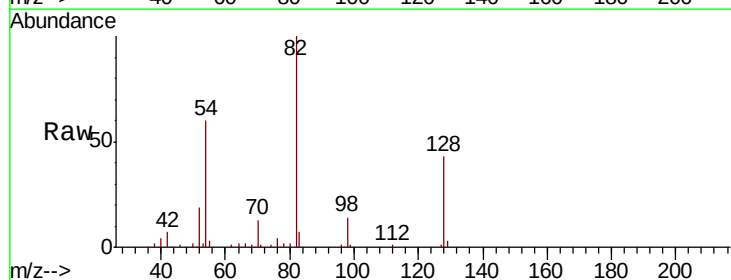
Ion Ratio Lower Upper

70 100

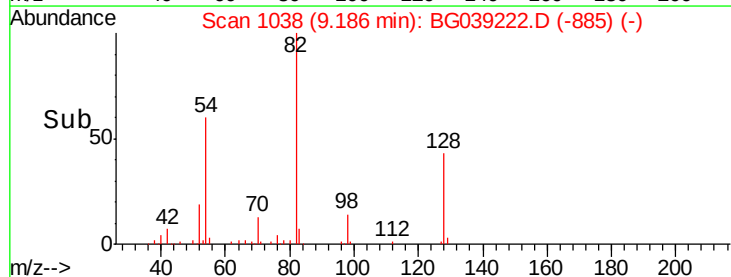
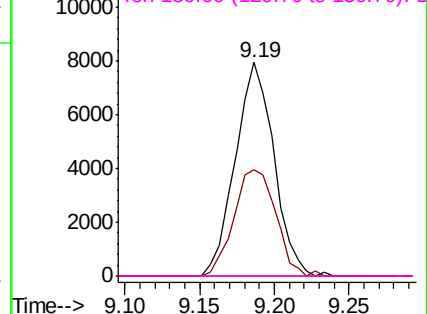
42 49.6 59.0 88.4#

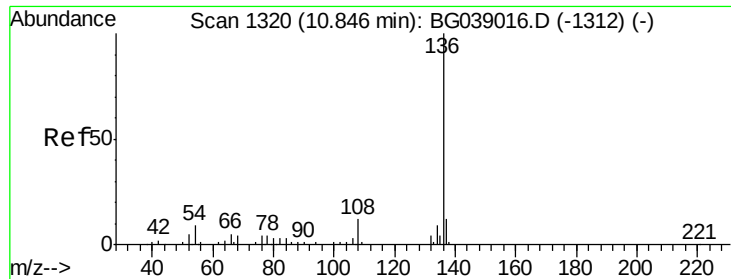
101 0.0 10.4 15.6#

130 0.0 21.6 32.4#



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

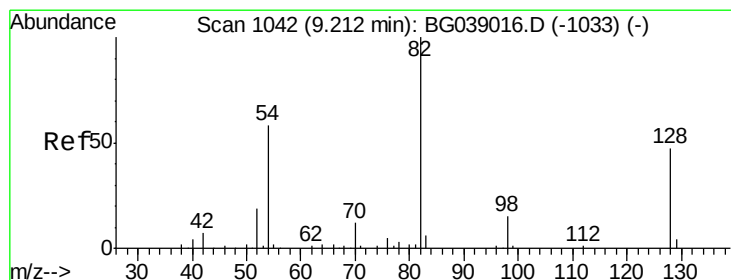
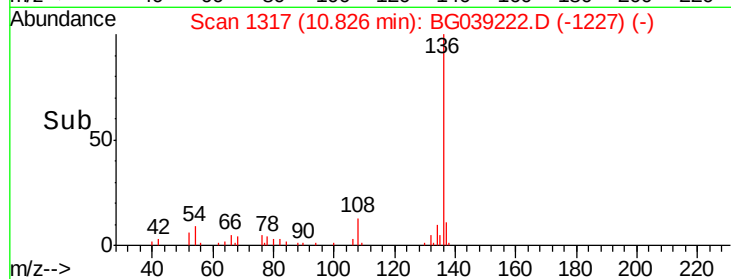
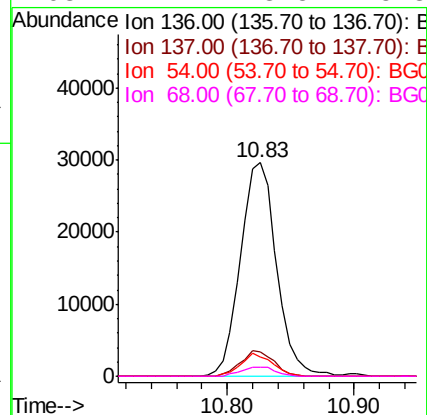
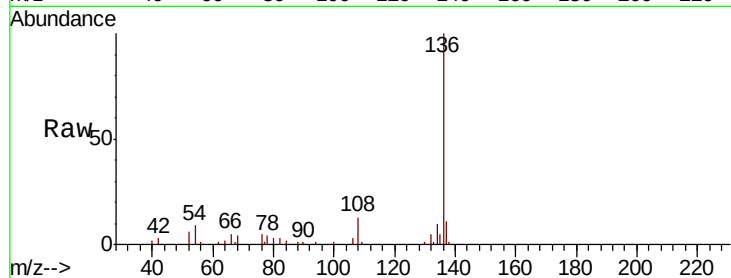




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039222.D
Acq: 18 Jan 2019 19:14

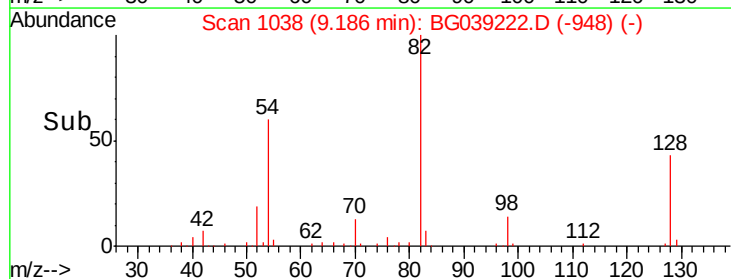
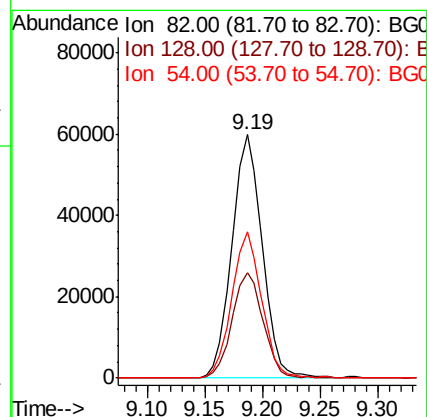
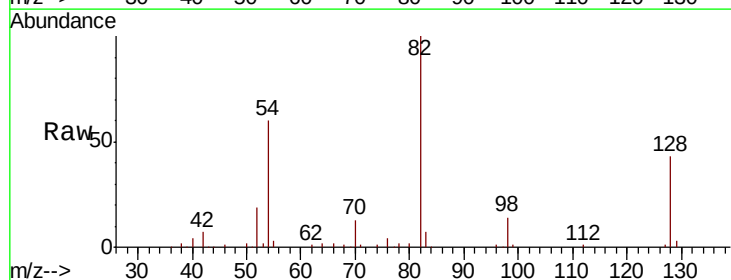
Instrument :
BNA_G
ClientSampleId :
T-1

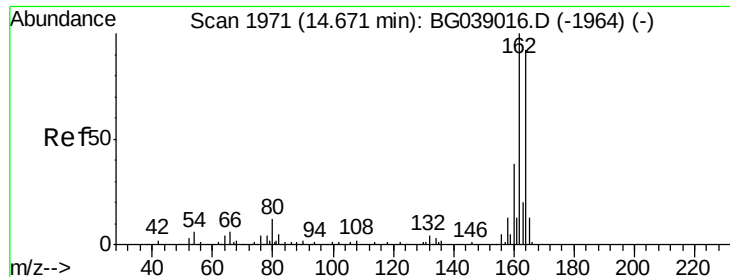
Tgt Ion:	136	Resp:	58519
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	9.0	7.2	10.8
68	4.4	3.5	5.3



#23
Nitrobenzene-d5
Concen: 101.931 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039222.D
Acq: 18 Jan 2019 19:14

Tgt Ion:	82	Resp:	109009
Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.3	55.9
54	60.0	46.4	69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

Instrument :

BNA_G

ClientSampleId :

T-1

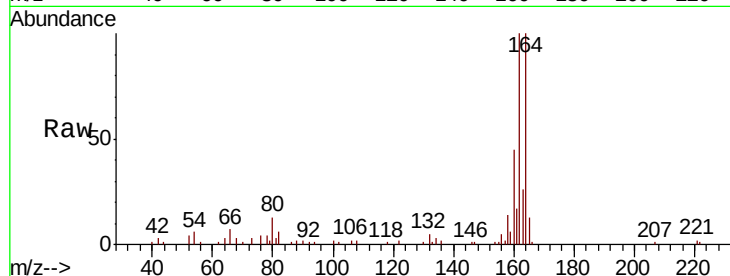
Tgt Ion:164 Resp: 44978

Ion Ratio Lower Upper

164 100

162 99.8 87.2 130.8

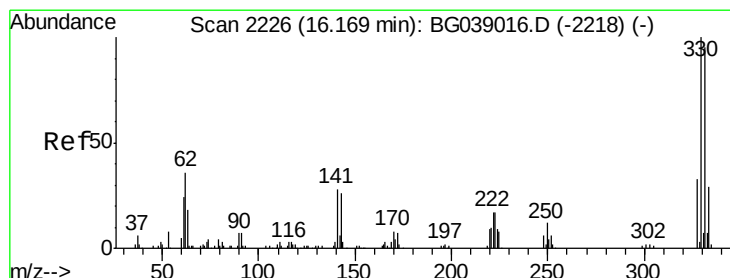
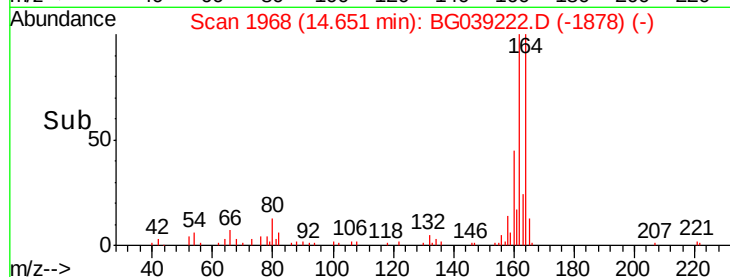
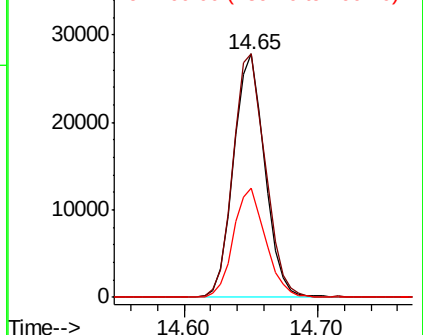
160 44.8 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 146.843 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

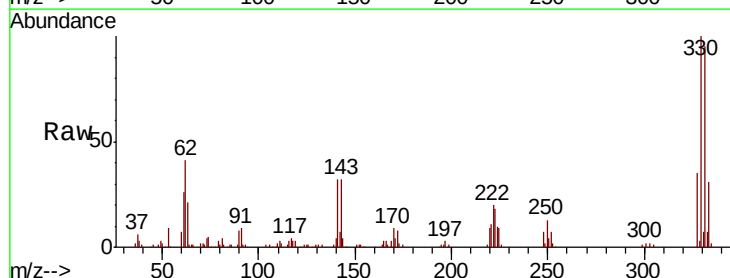
Tgt Ion:330 Resp: 110713

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

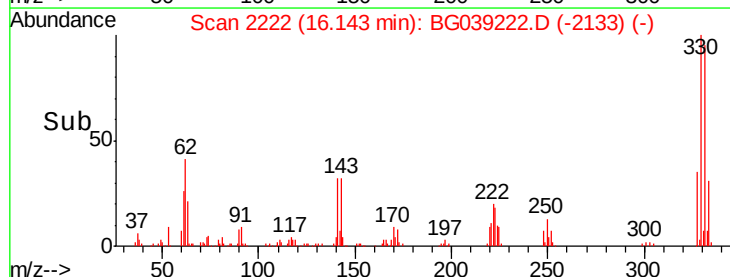
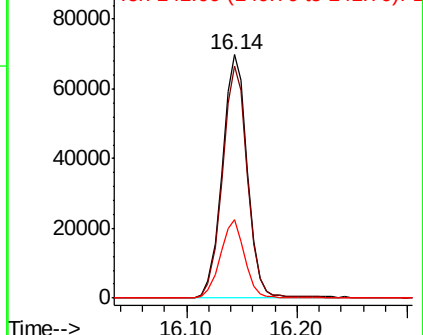
141 31.1 24.9 37.3

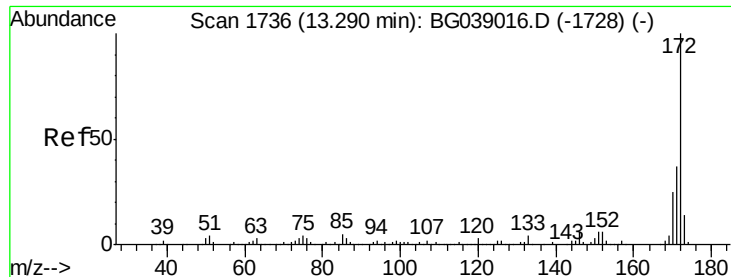


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

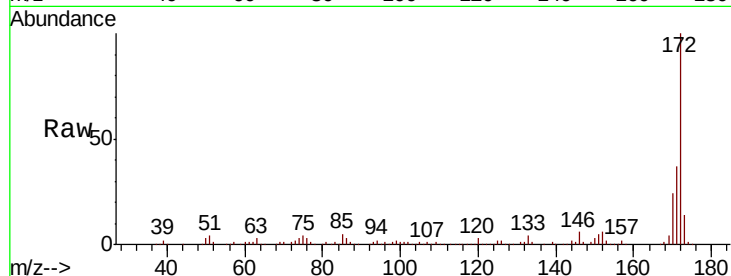




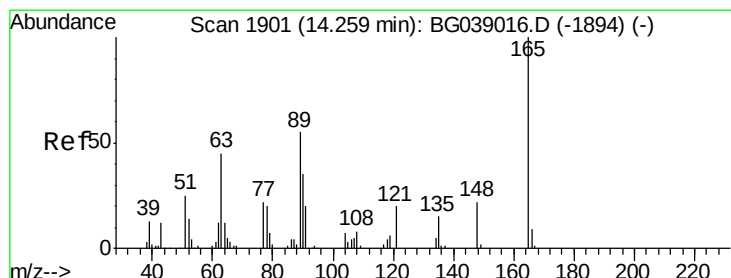
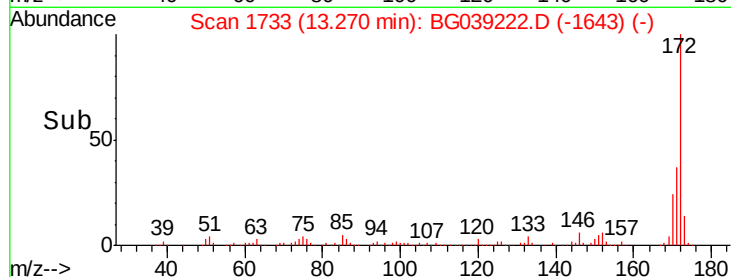
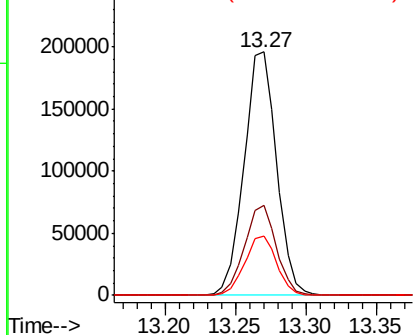
#45
 2-Fluorobiphenyl
 Concen: 96.334 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039222.D
 Acq: 18 Jan 2019 19:14

Instrument :
 BNA_G
 ClientSampled :
 T-1

Tgt Ion:172 Resp: 316604
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 24.3 20.1 30.1

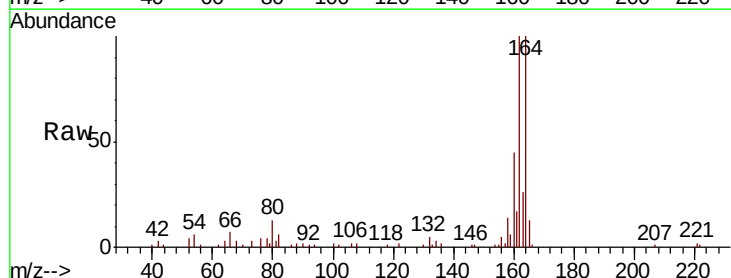


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

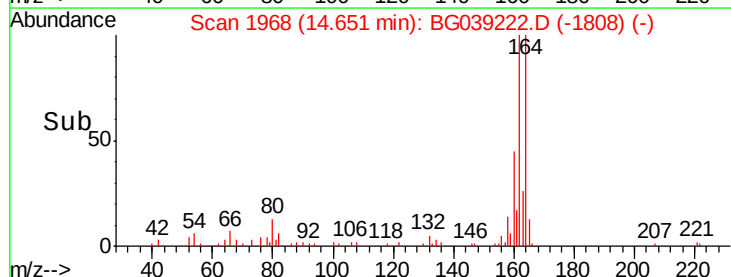
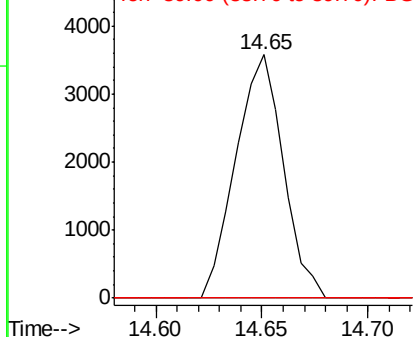


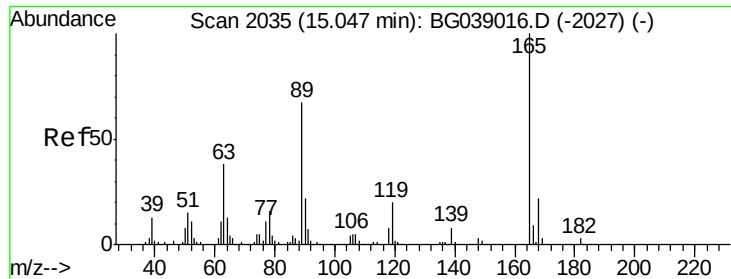
#51
 2,6-Dinitrotoluene
 Concen: 6.579 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.41 min
 Lab File: BG039222.D
 Acq: 18 Jan 2019 19:14

Tgt Ion:165 Resp: 5591
 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: 4.586 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.38 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

Instrument :

BNA_G

ClientSampled :

T-1

Tgt Ion:165 Resp: 5591

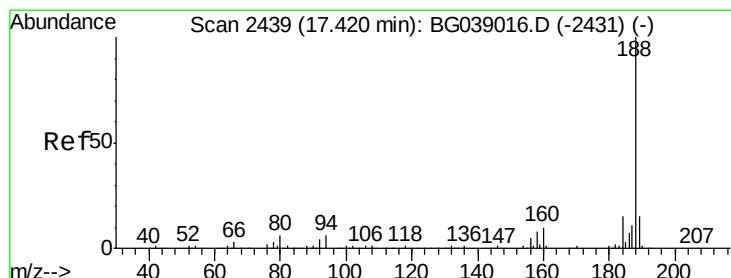
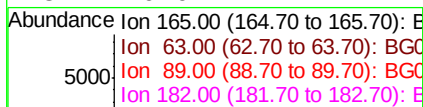
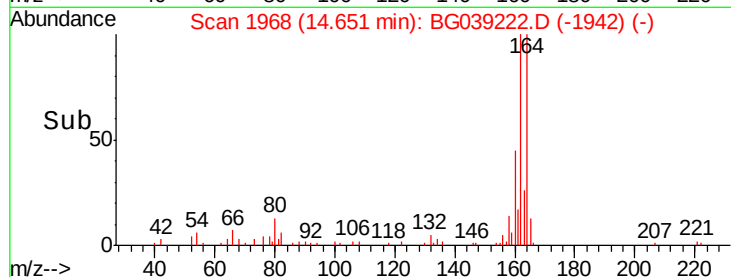
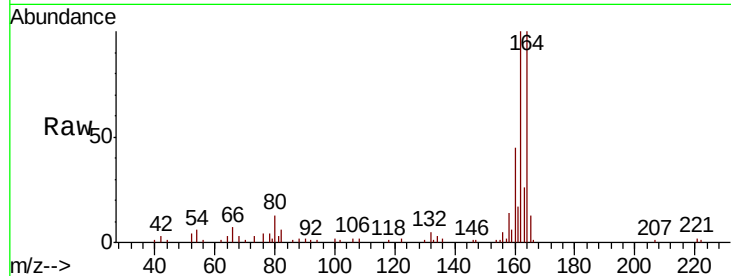
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

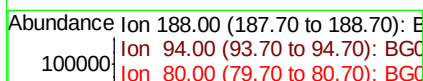
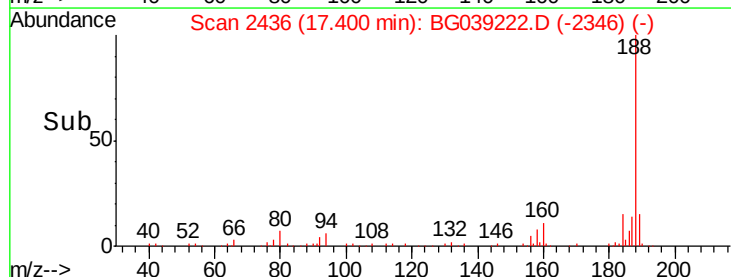
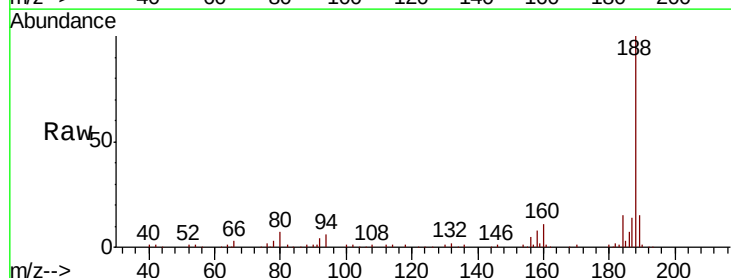
Tgt Ion:188 Resp: 120884

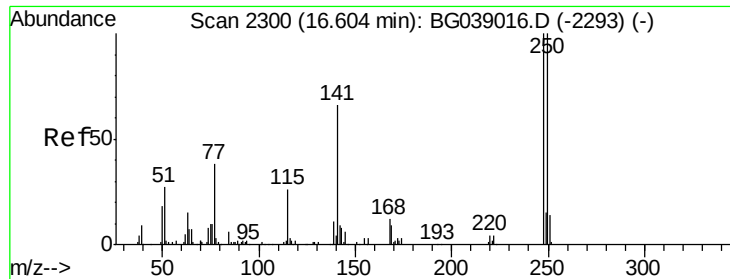
Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

80 6.7 4.7 7.1

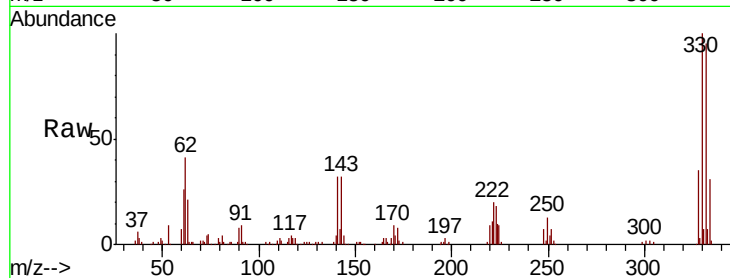




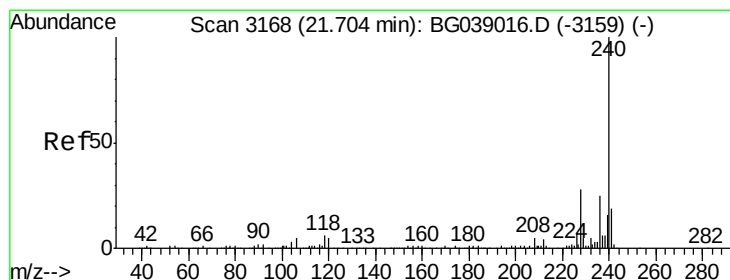
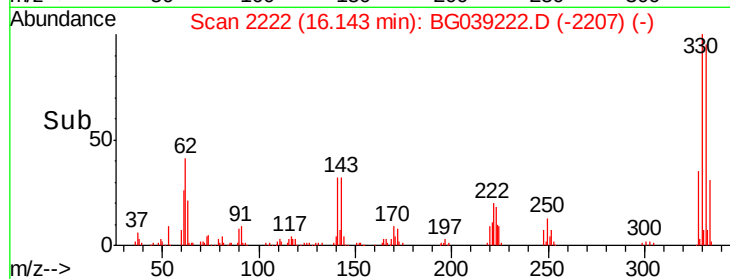
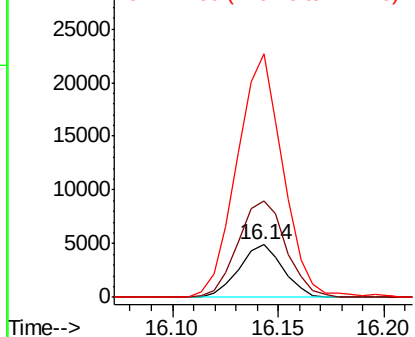
#67
 4-Bromophenyl-phenylether
 Concen: 4.564 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039222.D
 Acq: 18 Jan 2019 19:14

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Tgt Ion:248 Resp: 7092
 Ion Ratio Lower Upper
 248 100
 250 188.5 79.9 119.9#
 141 363.3 52.7 79.1#

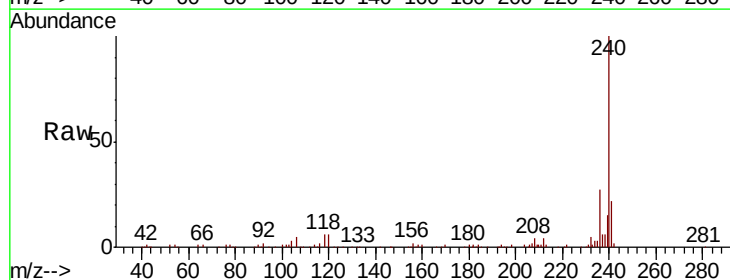


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

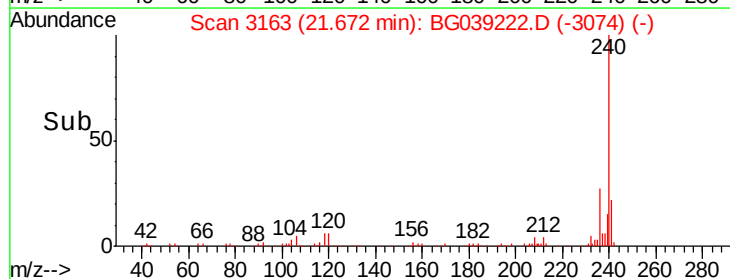
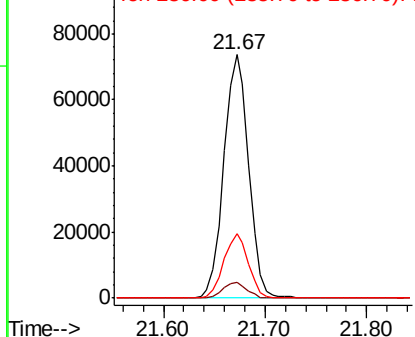


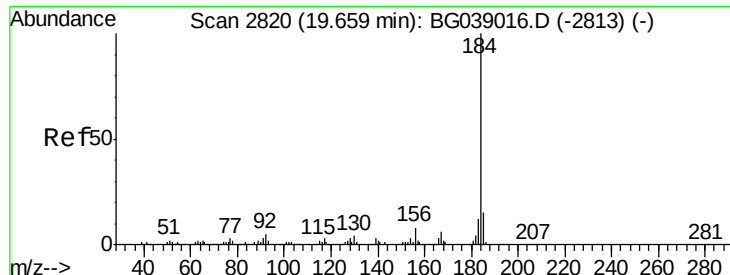
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG039222.D
 Acq: 18 Jan 2019 19:14

Tgt Ion:240 Resp: 124792
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.3 6.5
 236 26.6 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: 2.530 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.36 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

Instrument :

BNA_G

ClientSampled :

T-1

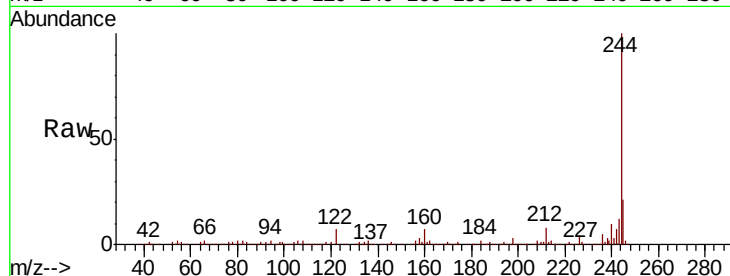
Tgt Ion:184 Resp: 9658

Ion Ratio Lower Upper

184 100

185 13.8 12.1 18.1

183 8.2 9.5 14.3#

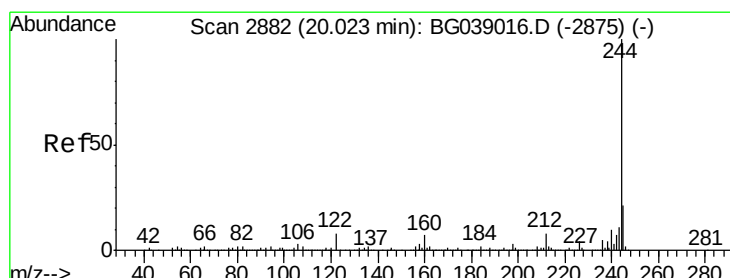
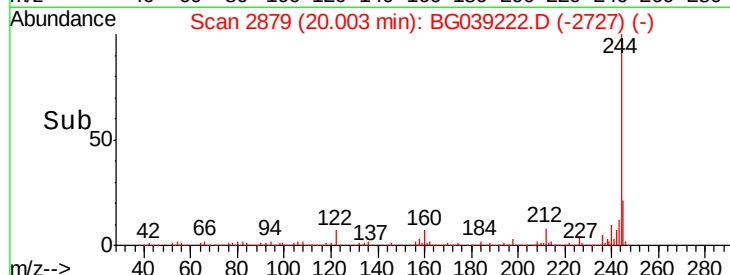
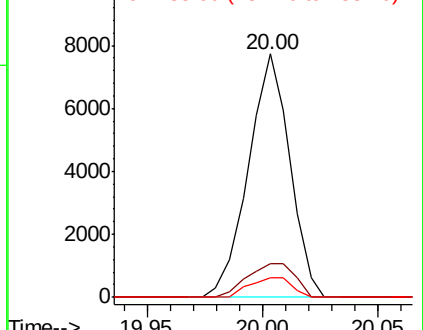


Abundance

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: 91.492 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039222.D

Acq: 18 Jan 2019 19:14

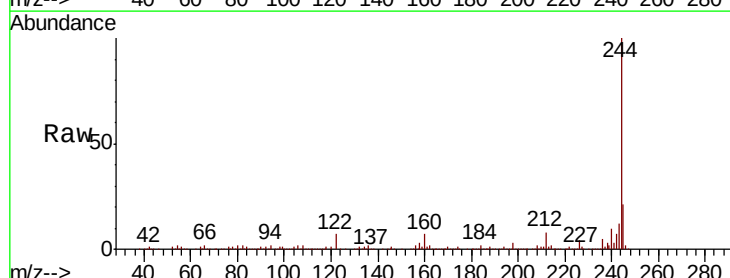
Tgt Ion:244 Resp: 617199

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 6.9 6.1 9.1

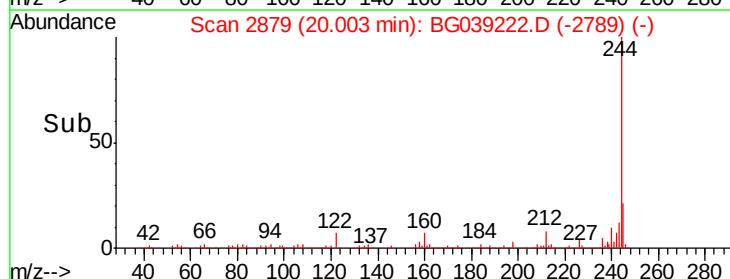
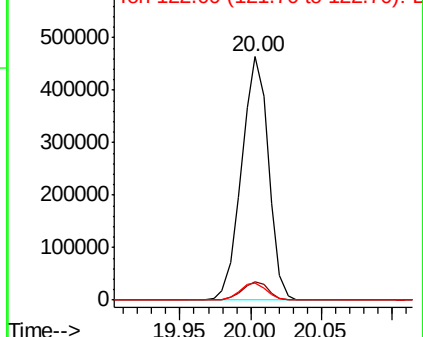


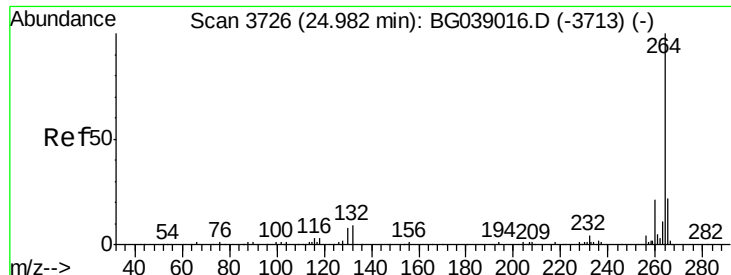
Abundance

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: 24.93 min Scan# 3718
Delta R.T. -0.02 min
Lab File: BG039222.D
Acq: 18 Jan 2019 19:14

Instrument :
BNA_G
ClientSampleId :
T-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.0	25.6
265	21.2	17.2	25.8

