

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012119\
 Data File : BG039242.D
 Acq On : 21 Jan 2019 20:38
 Operator : JU/SJ
 Sample : K1019-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-A

Quant Time: Jan 22 00:04:57 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

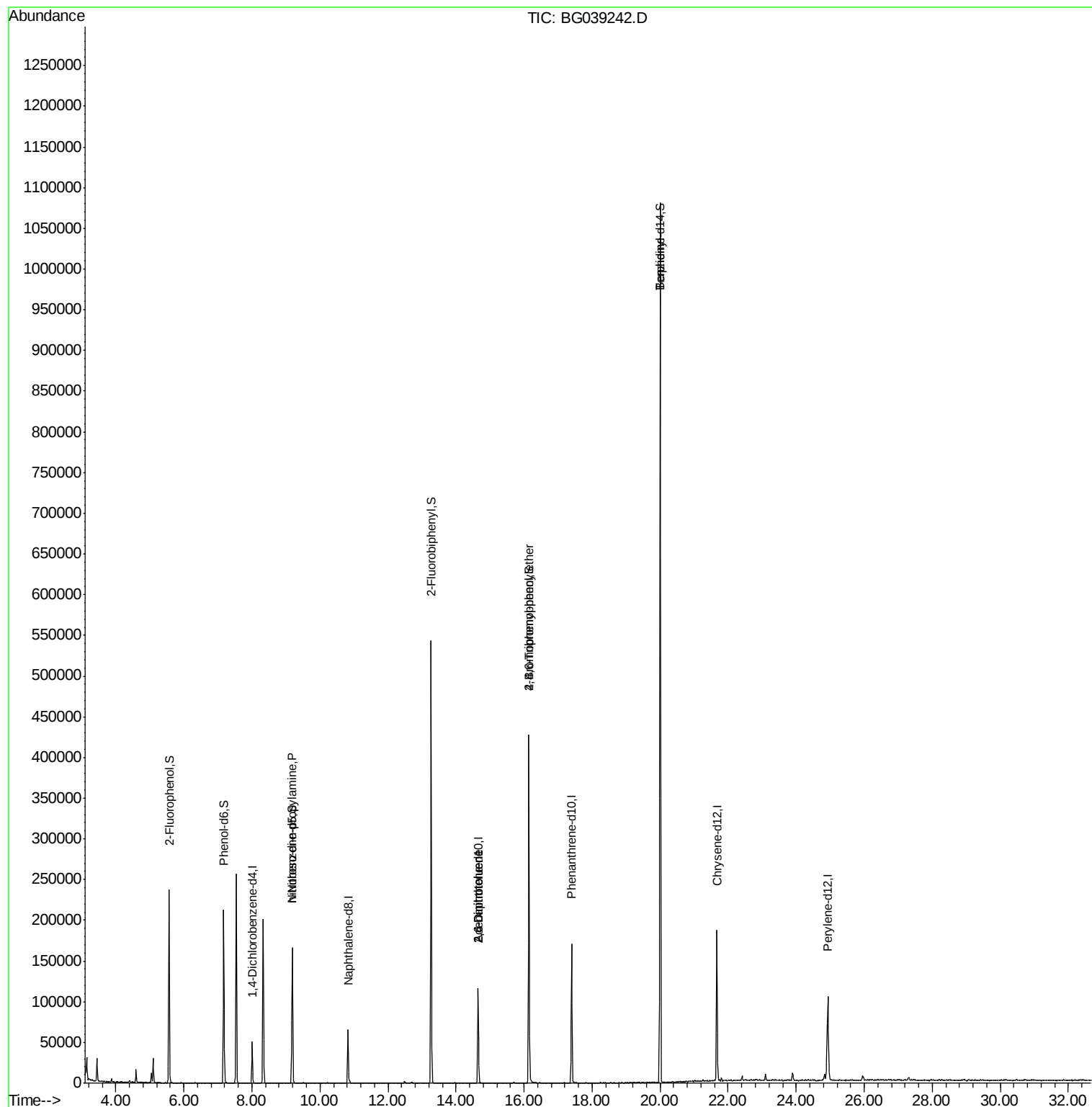
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	14987	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	59416	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	45383	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	114138	20.00	ng	0.00
76) Chrysene-d12	21.67	240	119347	20.00	ng	-0.01
87) Perylene-d12	24.93	264	127235	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	101637	128.65	ng	0.00
7) Phenol-d6	7.17	99	122454	107.70	ng	0.00
23) Nitrobenzene-d5	9.19	82	100126	92.21	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	97475	128.13	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	285126	85.98	ng	0.00
79) Terphenyl-d14	20.00	244	583755	90.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	13147	17.609	ng	# 64
51) 2,6-Dinitrotoluene	14.65	165	5791	6.754	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	5791	4.708	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6475	4.413	ng	# 1
77) Benzidine	20.00	184	9472	2.595	ng	# 92

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

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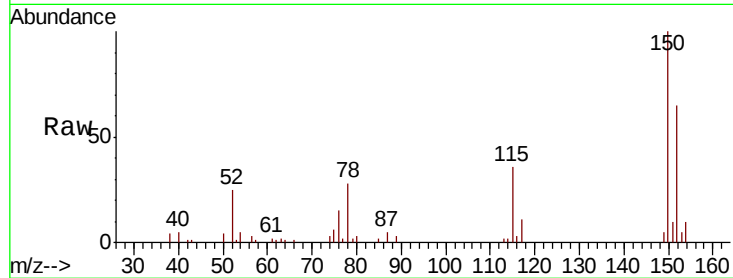


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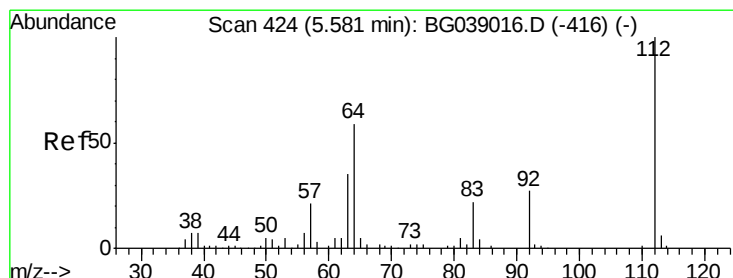
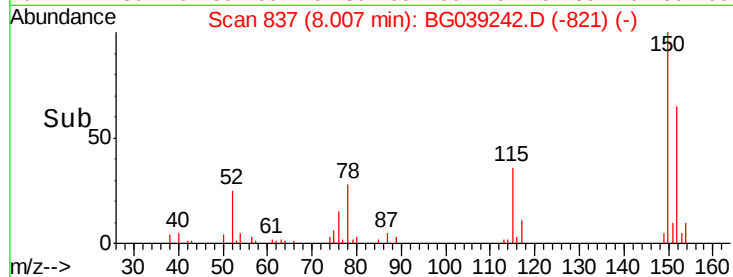
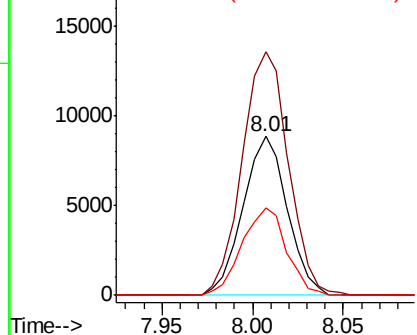
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039242.D
Acq: 21 Jan 2019 20:38

Instrument :
BNA_G
ClientSampleId :
CL-01-011819-A

Tgt Ion:152 Resp: 14987
Ion Ratio Lower Upper
152 100
150 153.3 124.7 187.1
115 55.1 46.5 69.7



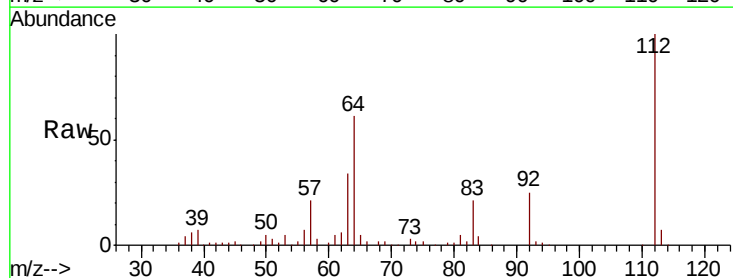
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



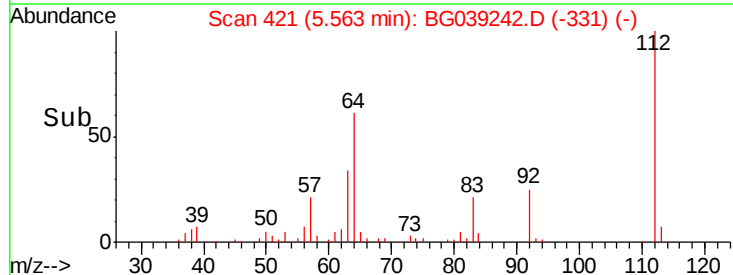
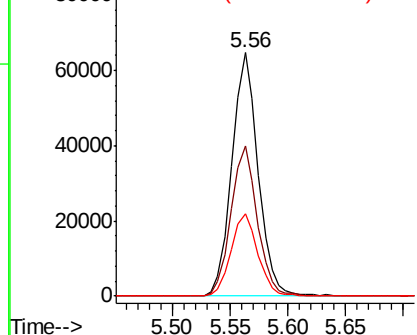
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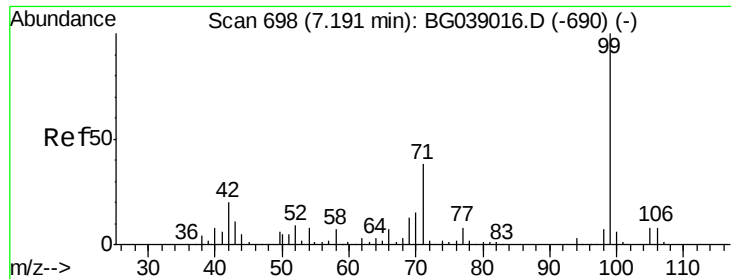
2-Fluorophenol
Concen: 128.647 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039242.D
Acq: 21 Jan 2019 20:38

Tgt Ion:112 Resp: 101637
Ion Ratio Lower Upper
112 100
64 61.5 47.0 70.6
63 33.6 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: 107.701 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-A

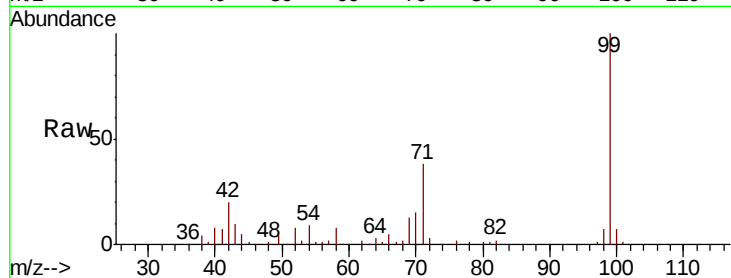
Tgt Ion: 99 Resp: 122454

Ion Ratio Lower Upper

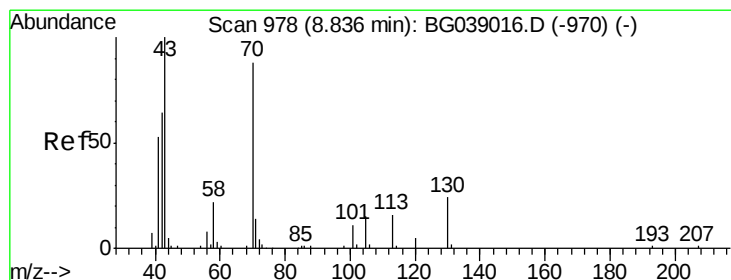
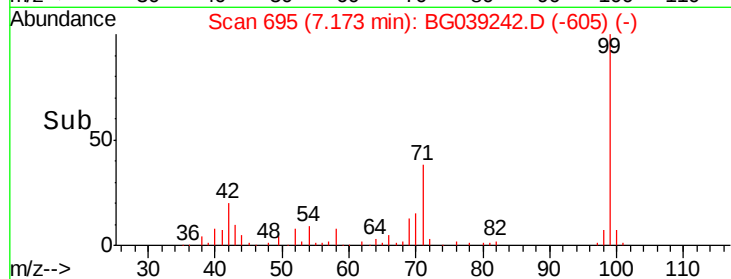
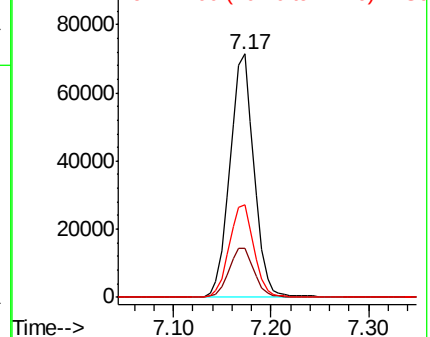
99 100

42 20.0 15.8 23.6

71 38.1 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: 17.609 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

Tgt Ion: 70 Resp: 13147

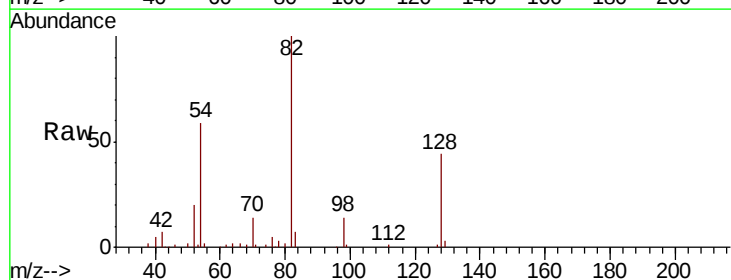
Ion Ratio Lower Upper

70 100

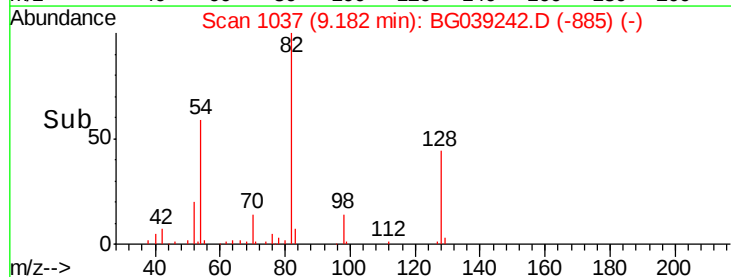
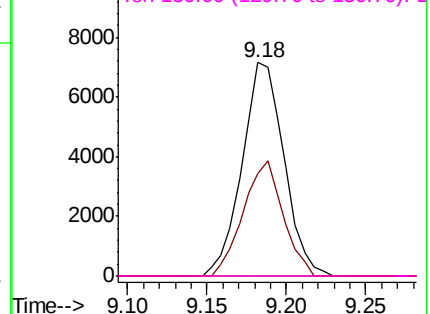
42 47.8 59.0 88.4#

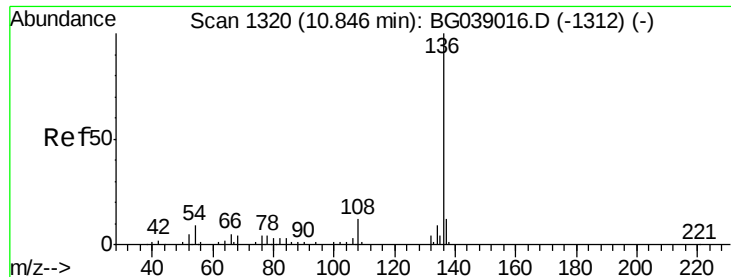
101 0.0 10.4 15.6#

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

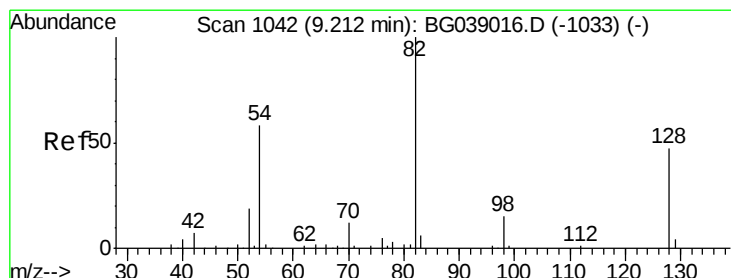
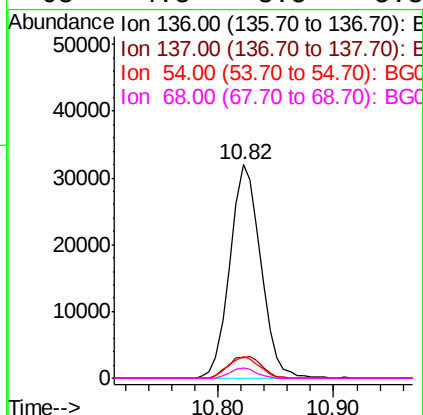
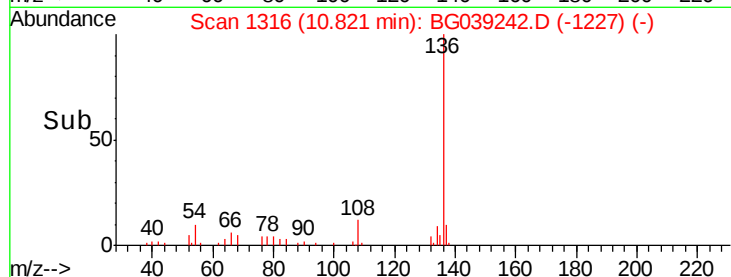
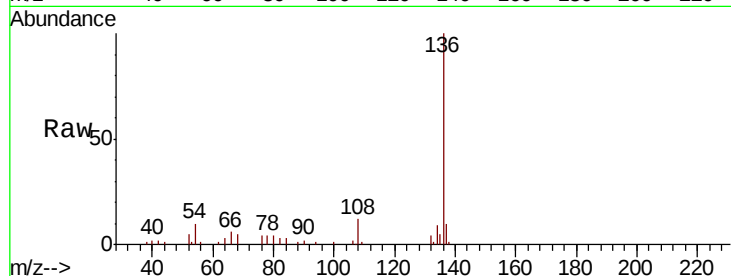




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039242.D
Acq: 21 Jan 2019 20:38

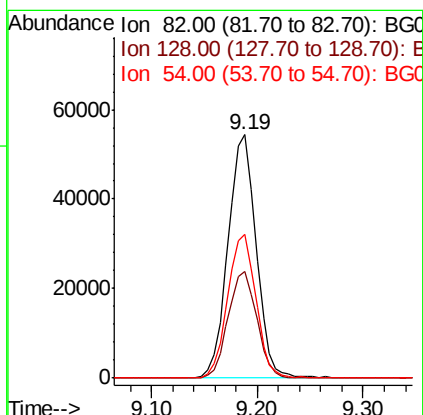
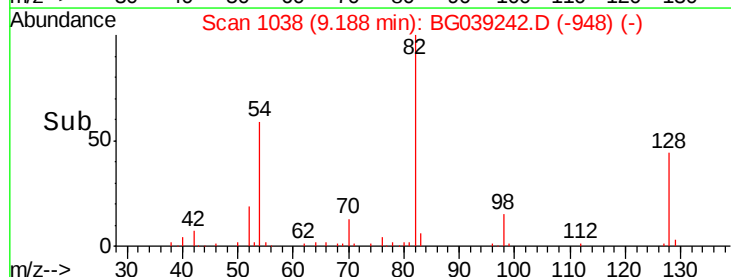
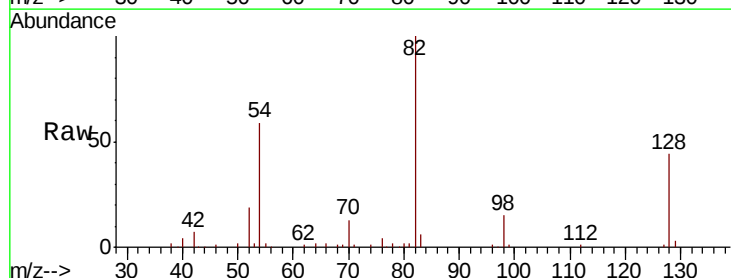
Instrument :
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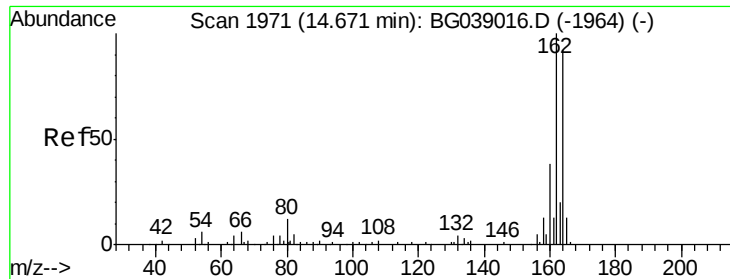
Tgt Ion:	136	Resp:	59416
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.4	14.2
54	10.2	7.2	10.8
68	4.8	3.5	5.3



#23
Nitrobenzene-d5
Concen: 92.212 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039242.D
Acq: 21 Jan 2019 20:38

Tgt Ion:	82	Resp:	100126
Ion	Ratio	Lower	Upper
82	100		
128	44.0	37.3	55.9
54	58.9	46.4	69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-A

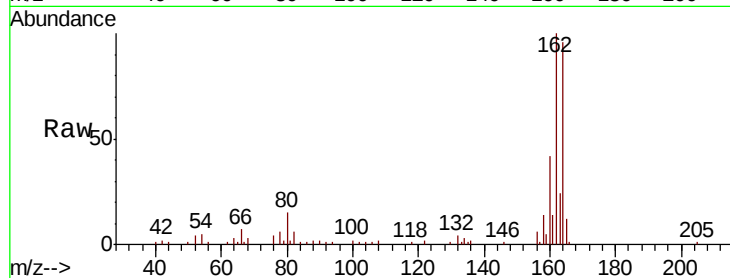
Tgt Ion:164 Resp: 45383

Ion Ratio Lower Upper

164 100

162 104.6 87.2 130.8

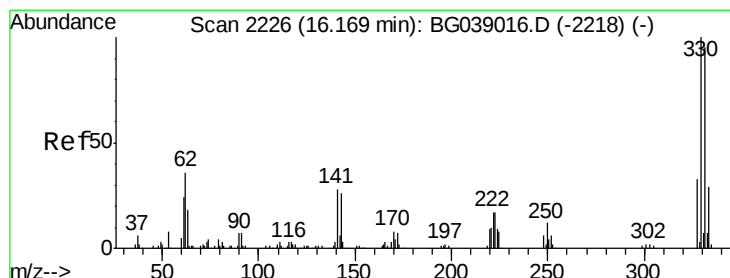
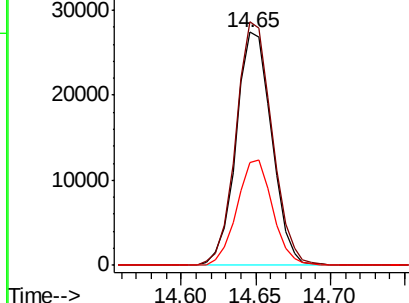
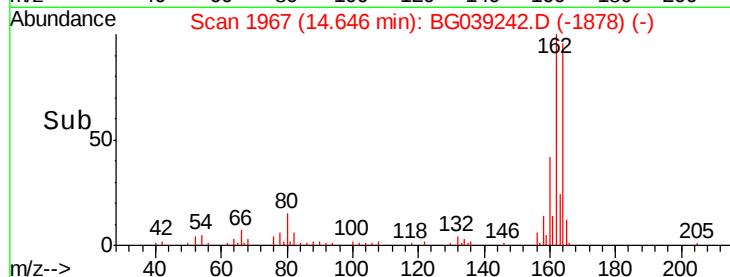
160 44.1 33.3 49.9



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: 128.131 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

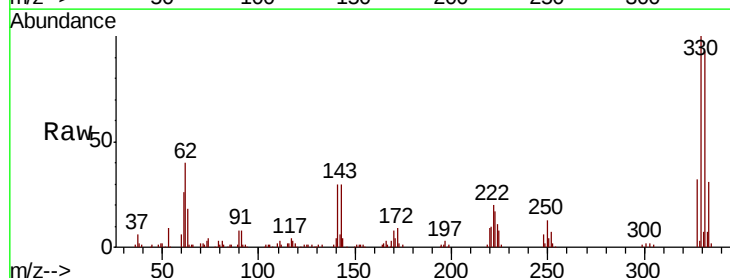
Tgt Ion:330 Resp: 97475

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

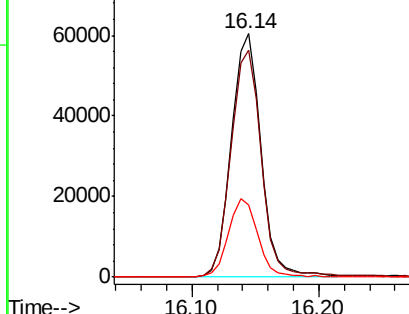
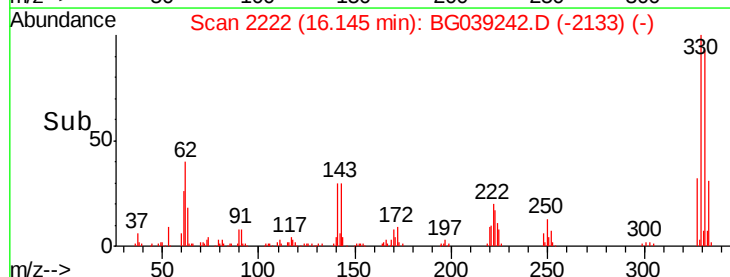
141 32.5 24.9 37.3



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

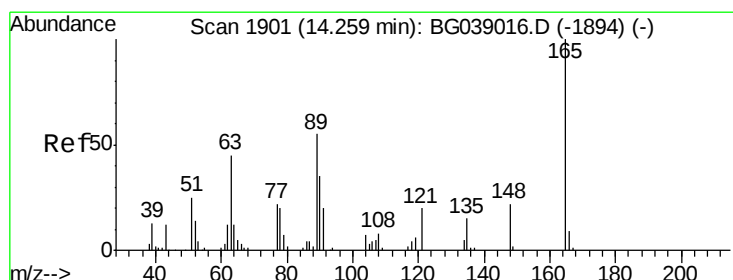
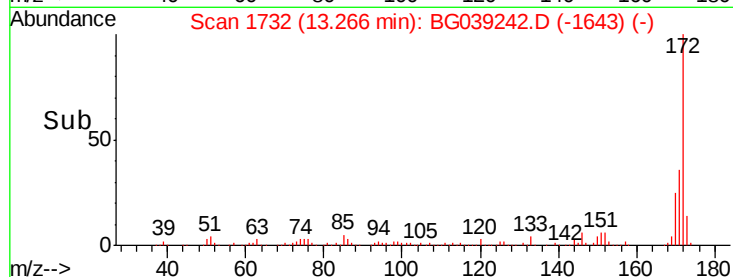
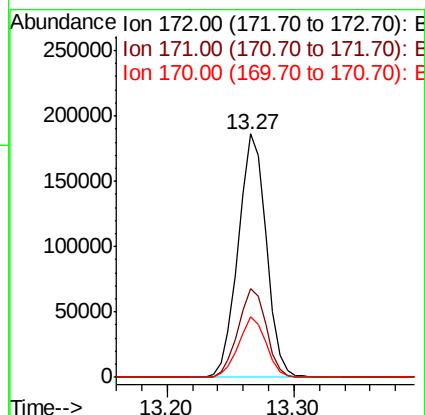
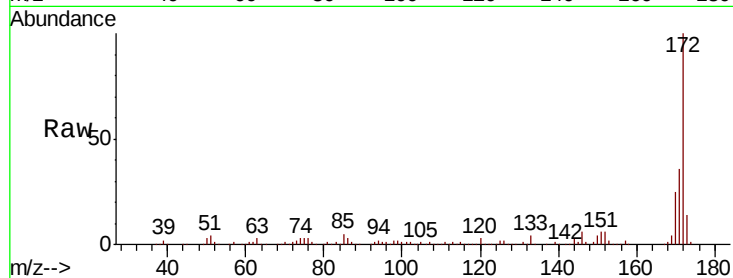




#45
 2-Fluorobiphenyl
 Concen: 85.982 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

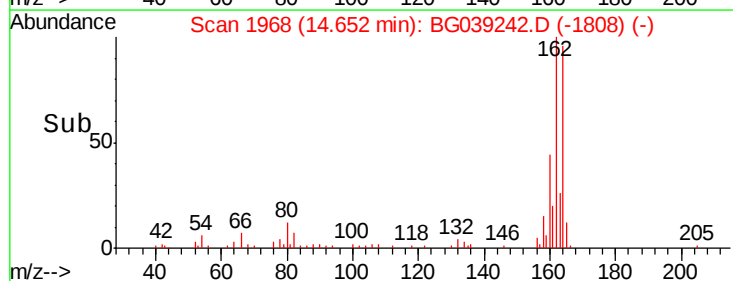
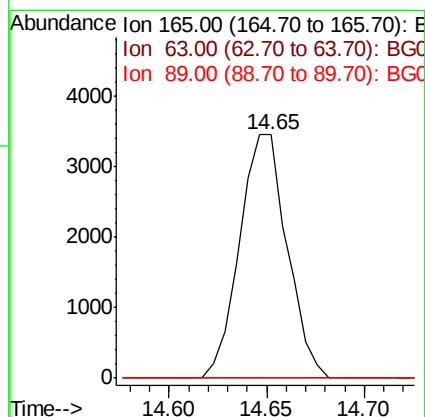
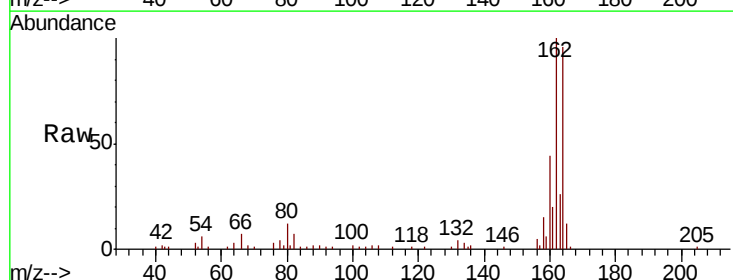
Instrument :
 BNA_G
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 CL-01-011819-A

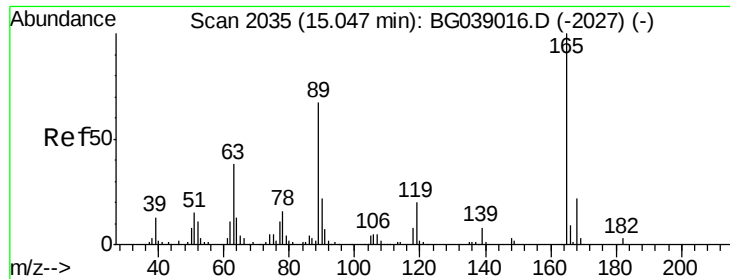
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.7	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.754 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.41 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

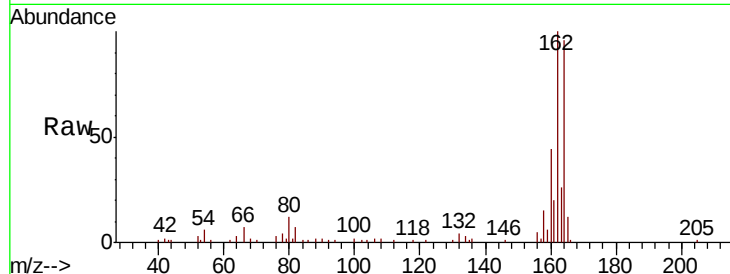




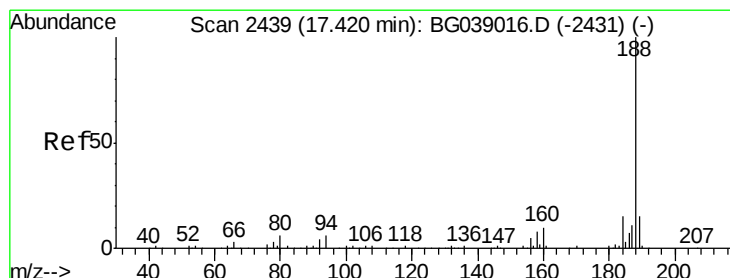
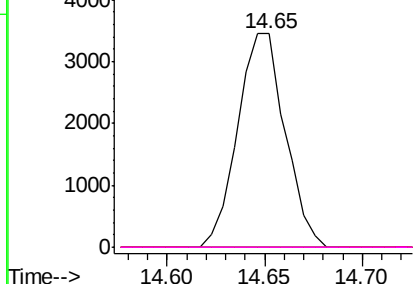
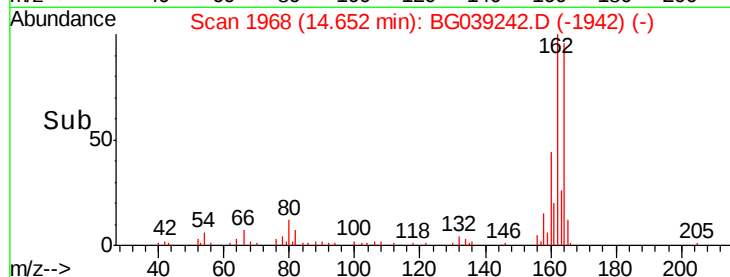
#57
 2,4-Dinitrotoluene
 Concen: 4.708 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-A

Tgt Ion:165 Resp: 5791
 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#

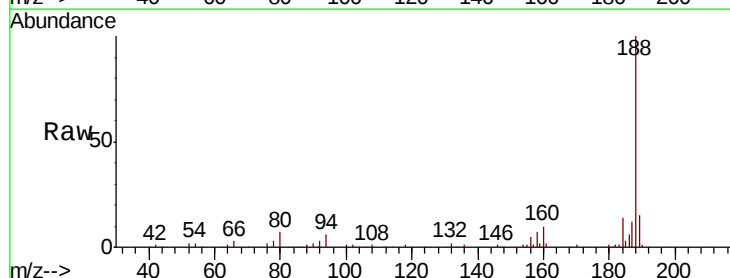


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

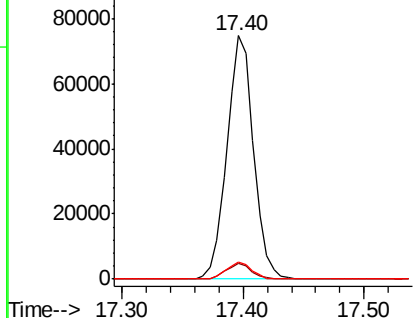
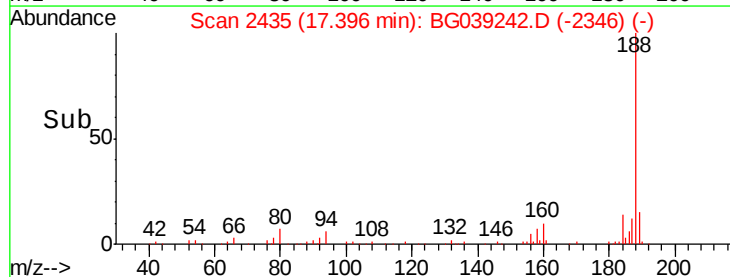


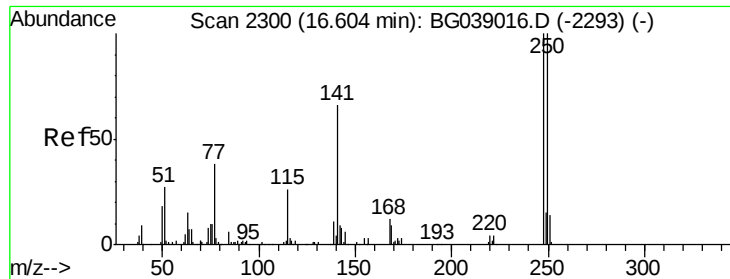
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

Tgt Ion:188 Resp: 114138
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.0 7.4
 80 6.8 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

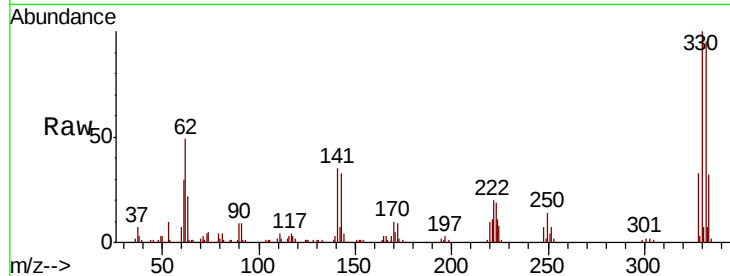




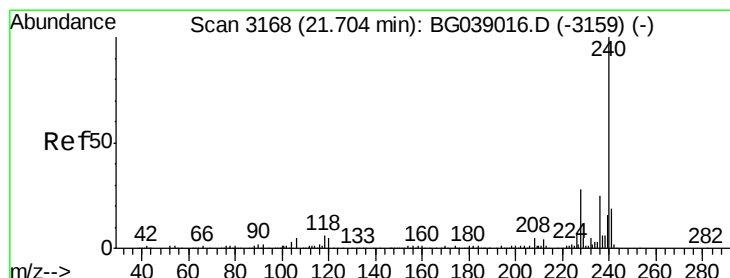
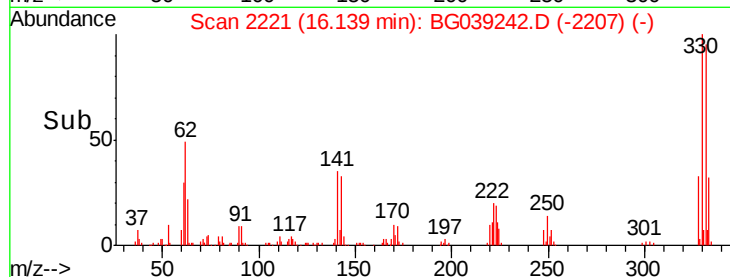
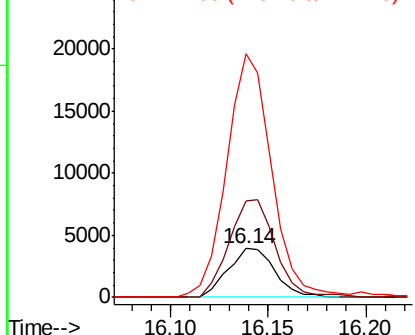
#67
 4-Bromophenyl-phenylether
 Concen: 4.413 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-A

Tgt Ion:248 Resp: 6475
 Ion Ratio Lower Upper
 248 100
 250 260.7 79.9 119.9#
 141 502.5 52.7 79.1#

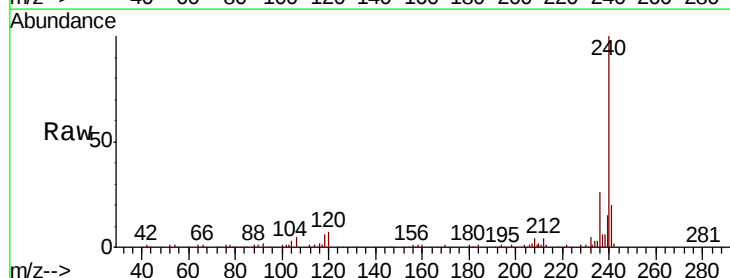


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

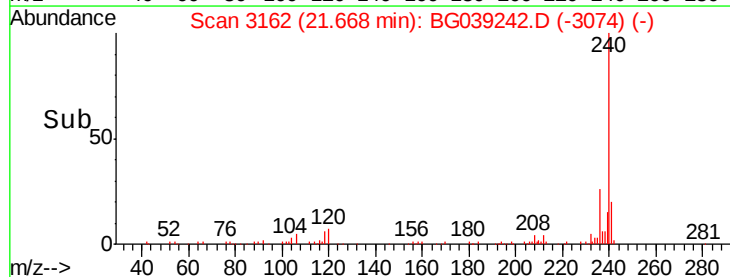
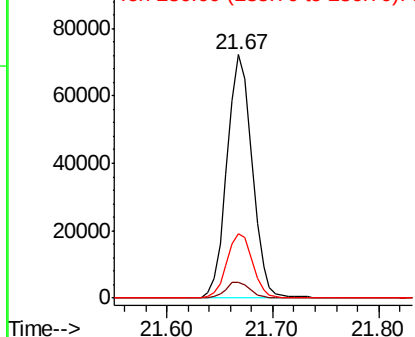


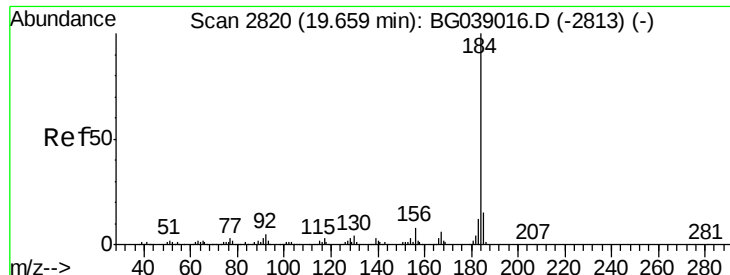
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG039242.D
 Acq: 21 Jan 2019 20:38

Tgt Ion:240 Resp: 119347
 Ion Ratio Lower Upper
 240 100
 120 6.6 4.3 6.5#
 236 26.2 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: 2.595 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-A

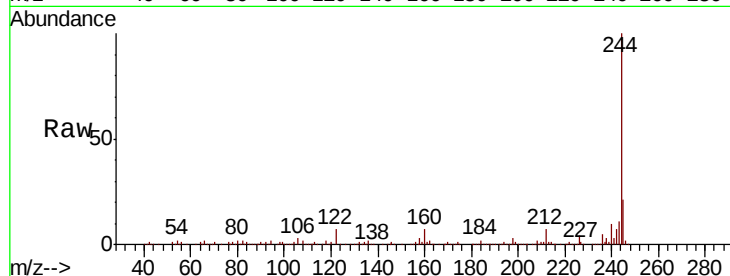
Tgt Ion:184 Resp: 9472

Ion Ratio Lower Upper

184 100

185 17.9 12.1 18.1

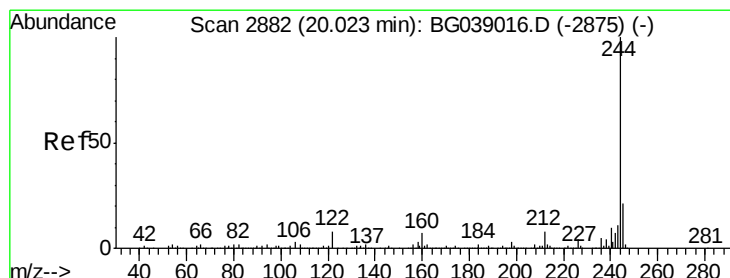
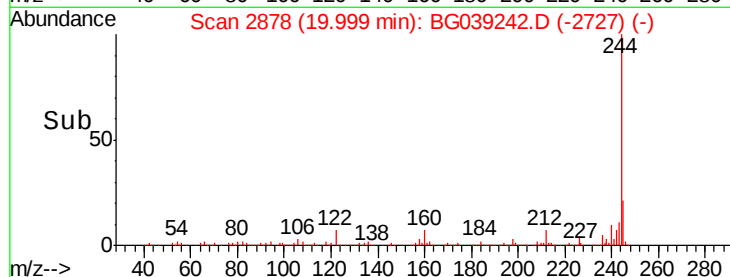
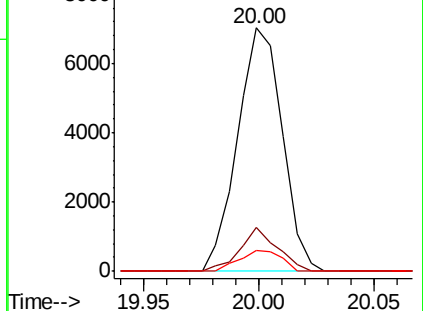
183 8.3 9.5 14.3#



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: 90.483 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039242.D

Acq: 21 Jan 2019 20:38

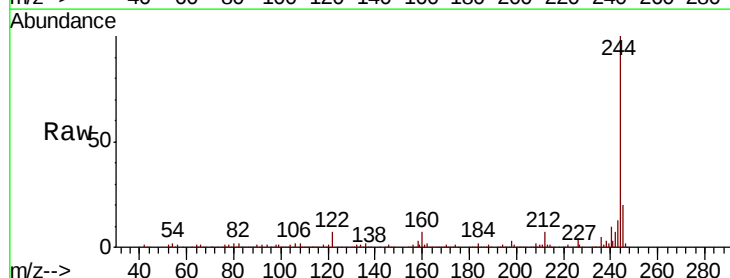
Tgt Ion:244 Resp: 583755

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

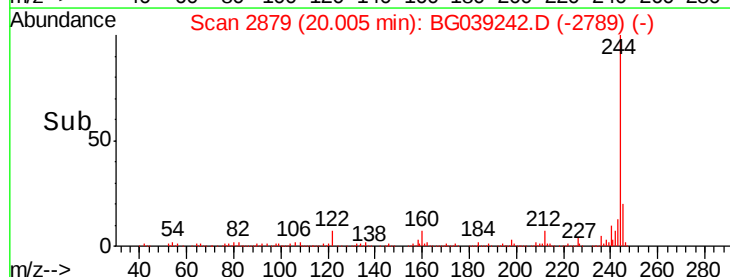
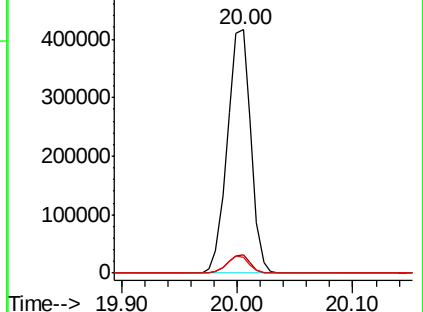
122 6.5 6.1 9.1

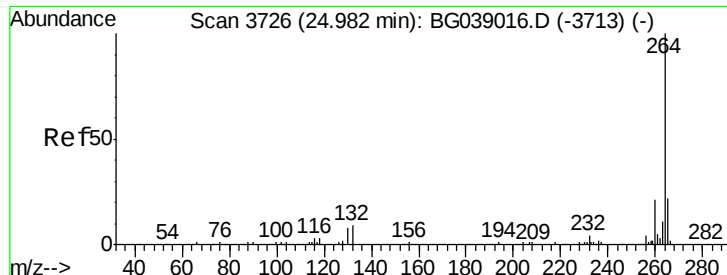


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3717
Delta R.T. -0.02 min
Lab File: BG039242.D
Acq: 21 Jan 2019 20:38

Instrument :
BNA_G
ClientSampleId :
CL-01-011819-A

Tgt Ion:	264	Resp:	127235
Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.0	25.6
265	20.8	17.2	25.8

