

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010819\
 Data File : BG039005.D
 Acq On : 8 Jan 2019 22:28
 Operator : JU/SJ
 Sample : K1074-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 09 03:03:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

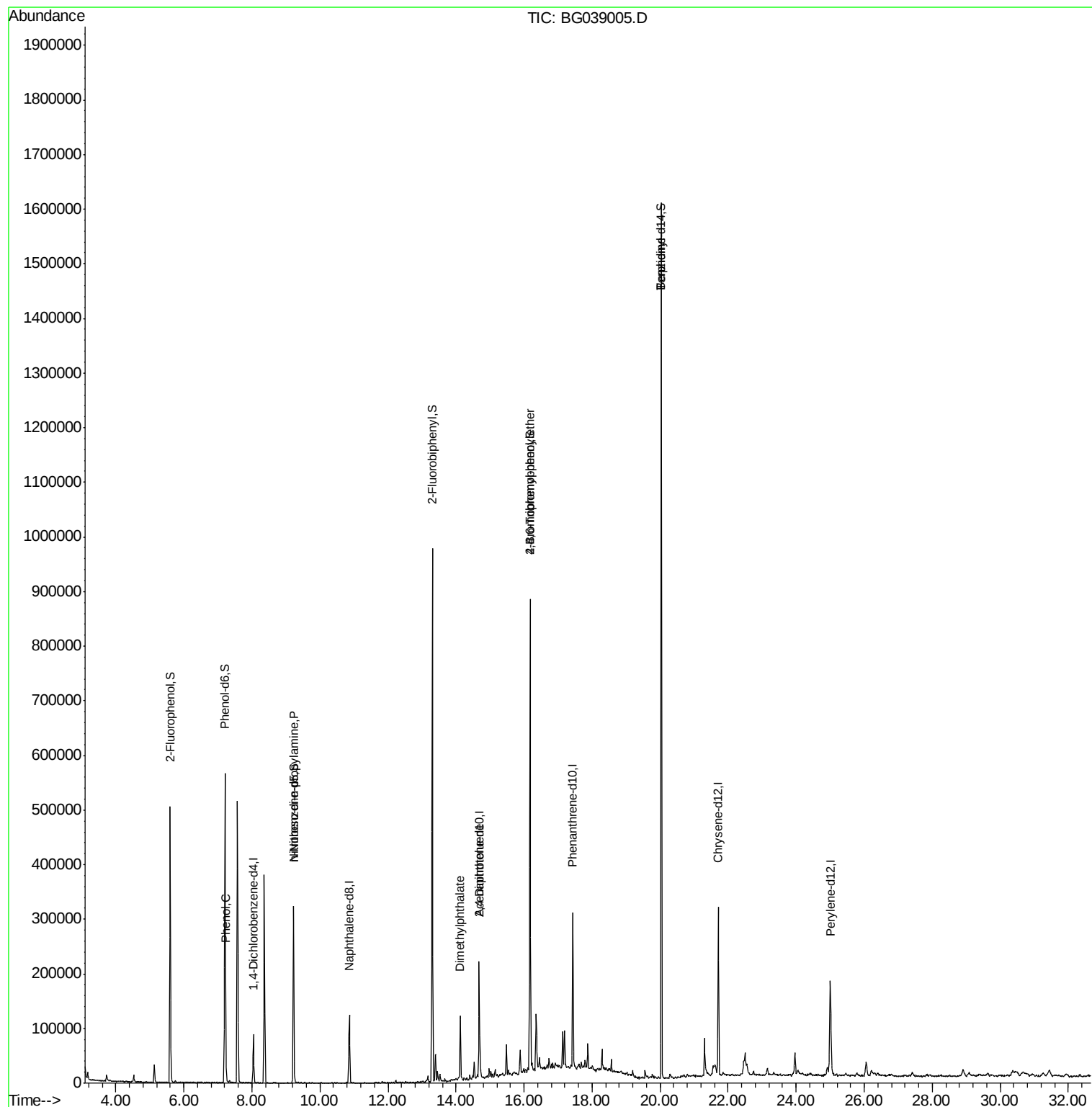
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	26220	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	111219	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	81204	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	186451	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	199192	20.00	ng	-0.02
87) Perylene-d12	25.01	264	216557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	226531	153.24	ng	0.00
7) Phenol-d6	7.21	99	331831	163.51	ng	0.00
23) Nitrobenzene-d5	9.22	82	189726	87.15	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	192065	171.62	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	518503	87.60	ng	-0.02
79) Terphenyl-d14	20.04	244	839832	91.76	ng	0.00
Target Compounds						
10) Phenol	7.23	94	15210	7.055	ng	88
19) n-Nitroso-di-n-propylamine	9.22	70	25801	18.101	ng	# 66
50) Dimethylphthalate	14.13	163	77173	11.638	ng	99
57) 2,4-Dinitrotoluene	14.68	165	11030	5.211	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	12280	5.393	ng	# 1
77) Benzidine	20.04	184	13083	2.221	ng	97

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

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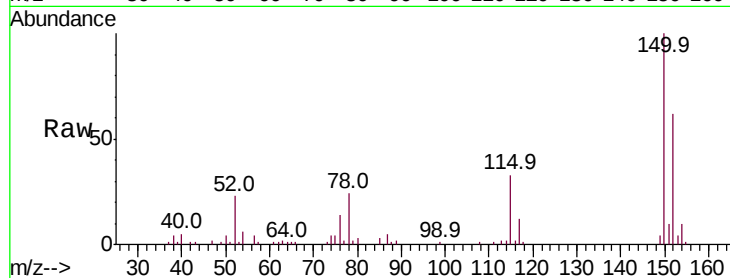


#1

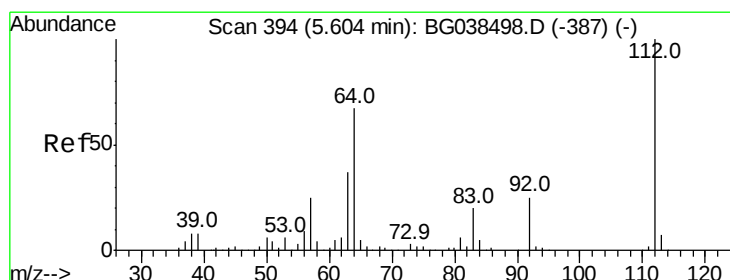
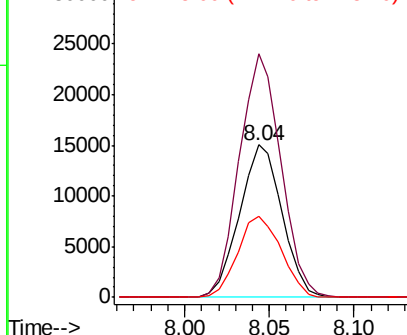
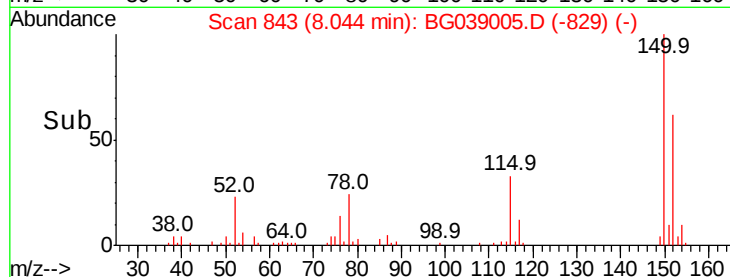
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26220
Ion Ratio Lower Upper
152 100
150 160.1 119.5 179.3
115 53.2 49.6 74.4



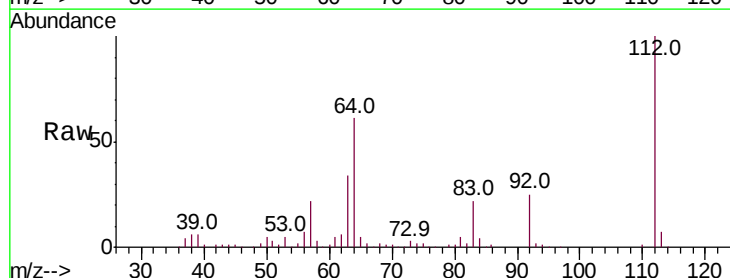
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



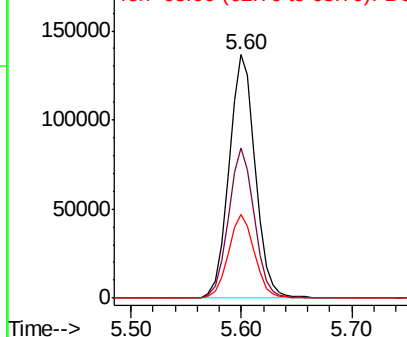
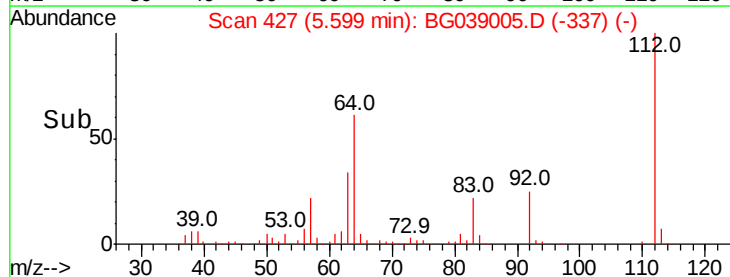
#5

2-Fluorophenol
Concen: 153.237 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

Tgt Ion:112 Resp: 226531
Ion Ratio Lower Upper
112 100
64 61.5 53.4 80.2
63 34.5 29.3 43.9



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: 163.510 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

Instrument :

BNA_G

ClientSampled :

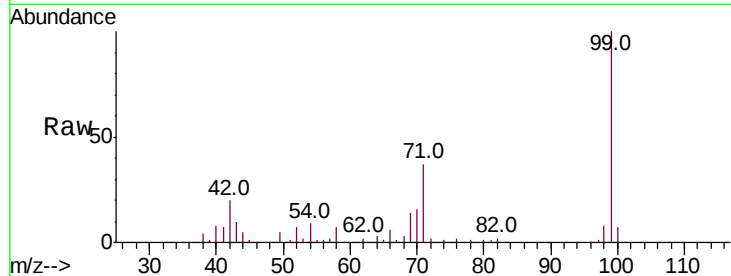
Tot Ion: 99 Resp: 331831

Ion Ratio Lower Upper

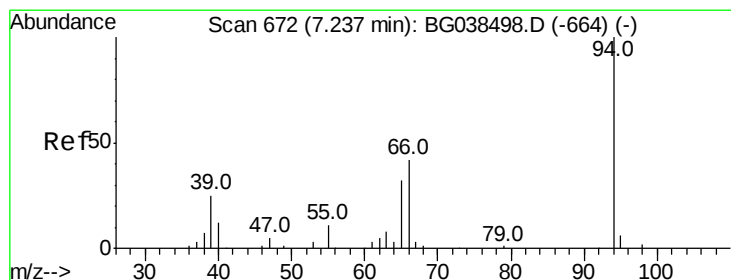
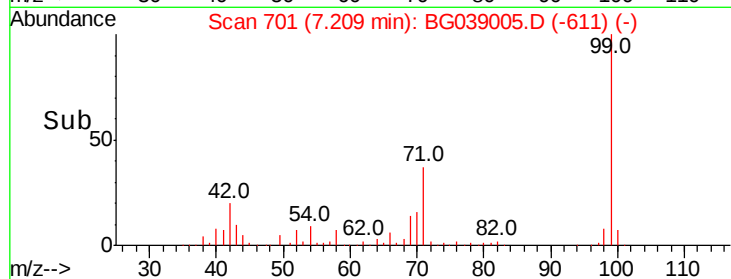
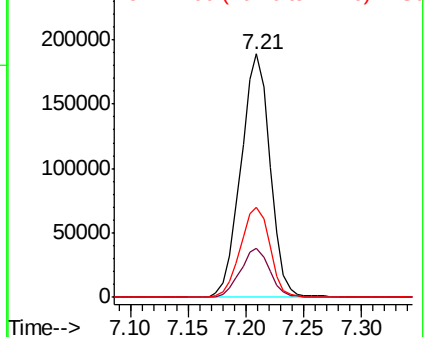
99 100

42 20.0 18.5 27.7

71 36.8 31.1 46.7



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: 7.055 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

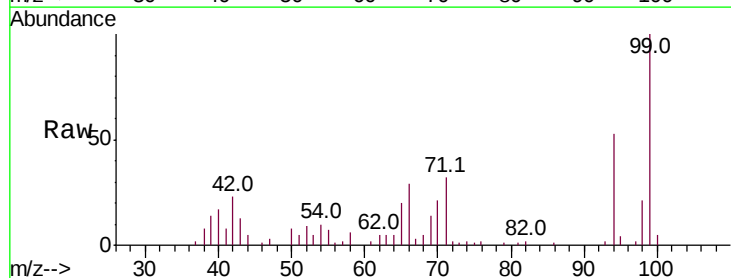
Tgt Ion: 94 Resp: 15210

Ion Ratio Lower Upper

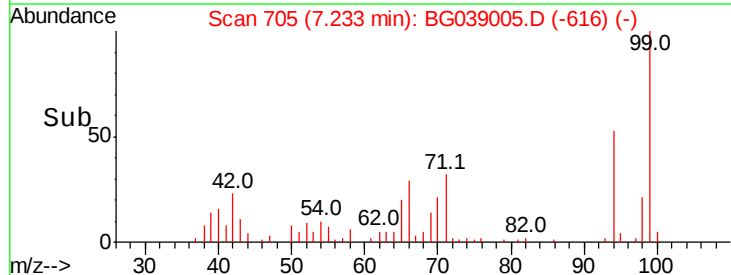
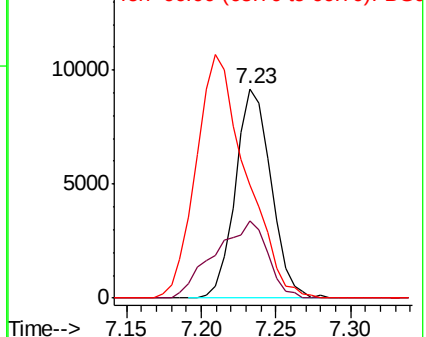
94 100

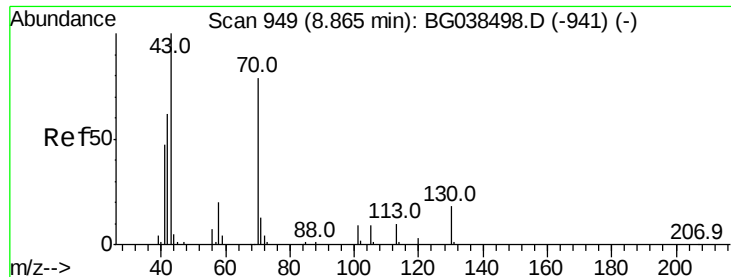
65 37.1 12.6 52.6

66 54.1 24.1 64.1



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

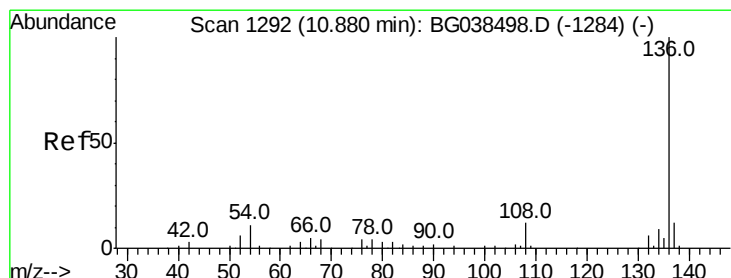
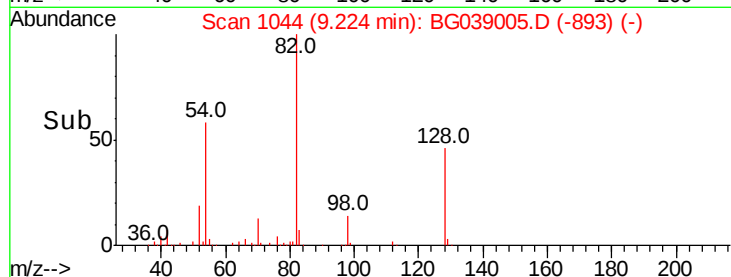
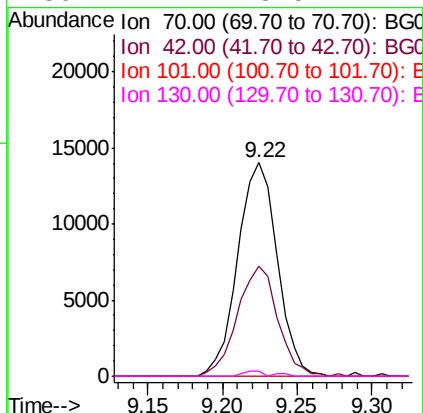
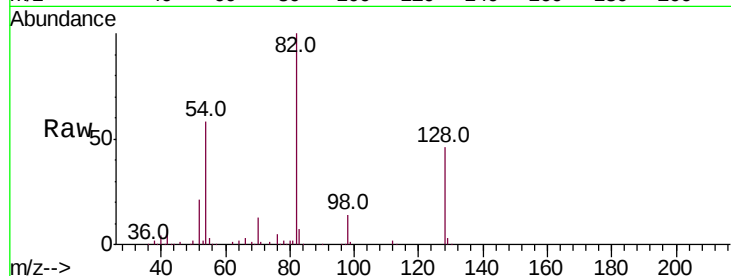




#19
n-Nitroso-di-n-propylamine
Concen: 18.101 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.36 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

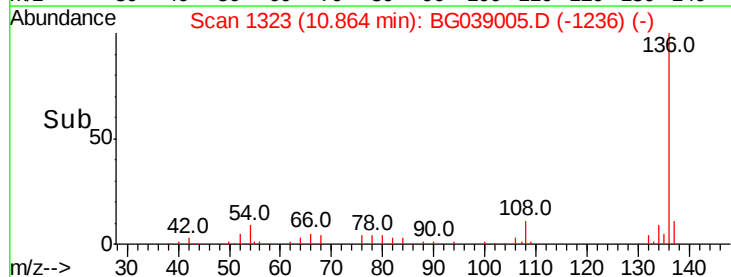
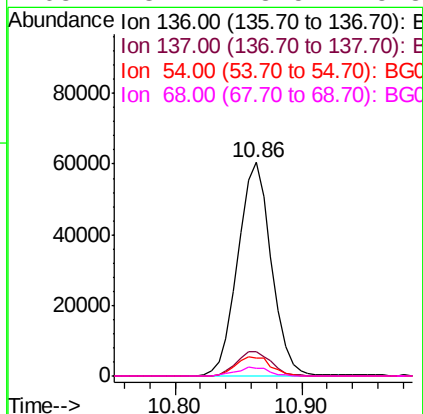
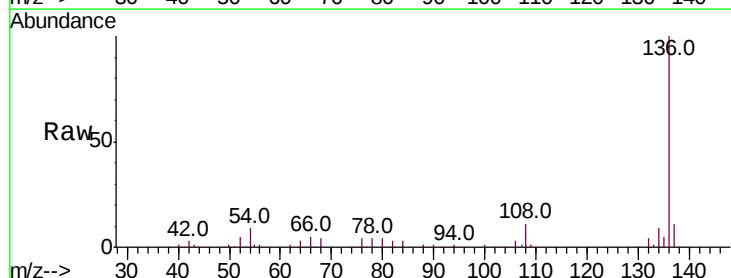
Instrument :
BNA_G
ClientSampleId :

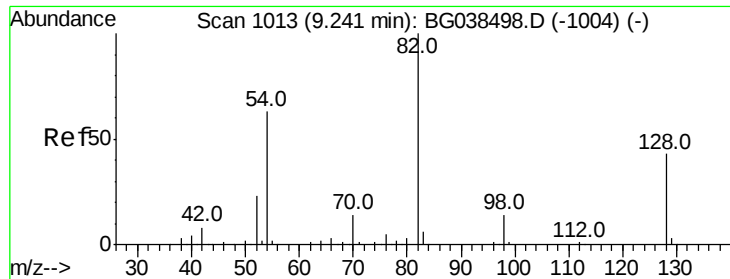
Tot Ion: 70 Resp: 25801
Ion Ratio Lower Upper
70 100
42 51.7 63.6 95.4#
101 0.0 9.2 13.8#
130 2.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

Tgt Ion:136 Resp: 111219
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 8.6 8.5 12.7
68 3.7 3.5 5.3

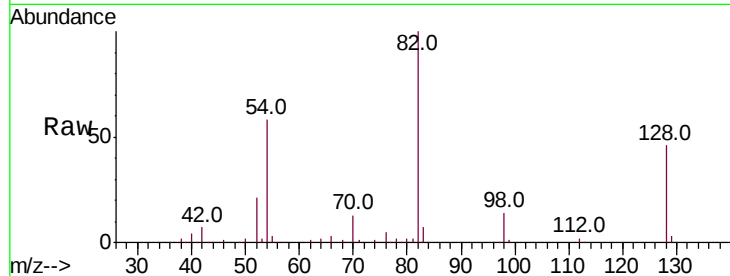




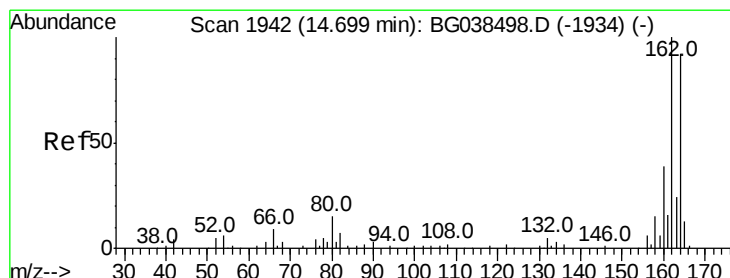
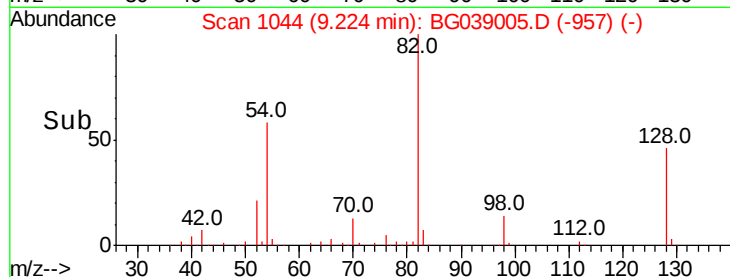
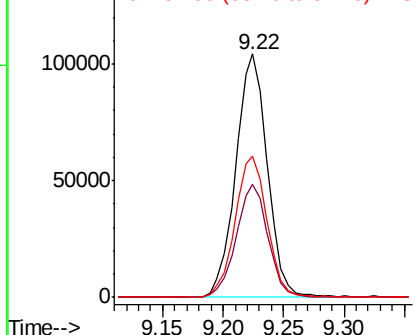
#23
Nitrobenzene-d5
Concen: 87.148 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 189726
Ion Ratio Lower Upper
82 100
128 46.4 34.6 52.0
54 58.0 50.6 76.0

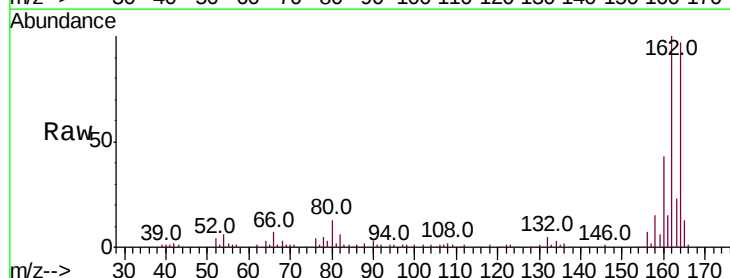


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

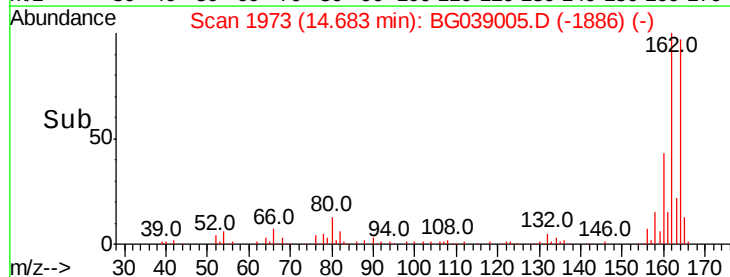
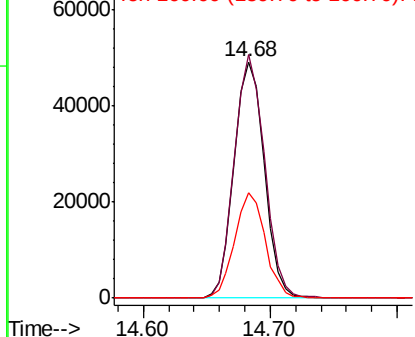


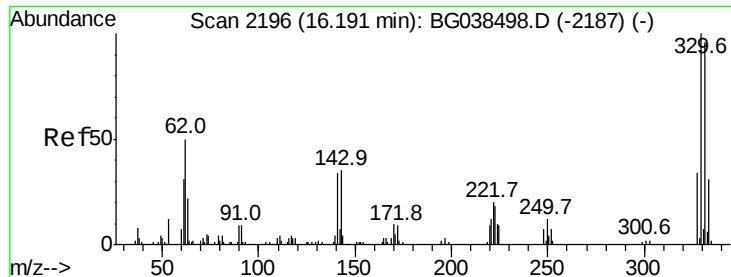
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG039005.D
Acq: 8 Jan 2019 22:28

Tgt Ion:164 Resp: 81204
Ion Ratio Lower Upper
164 100
162 103.0 86.6 130.0
160 44.5 34.2 51.2



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

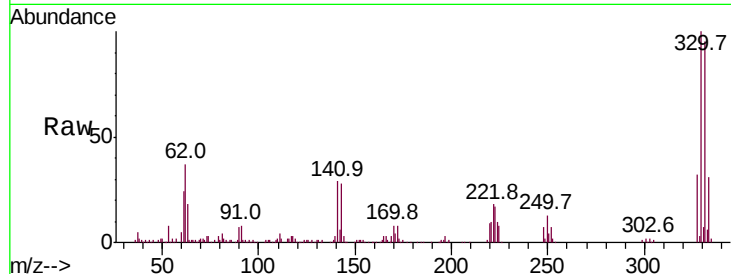




#42
 2,4,6-Tribromophenol
 Concen: 171.619 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG039005.D
 Acq: 8 Jan 2019 22:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	31.1	28.8	43.2

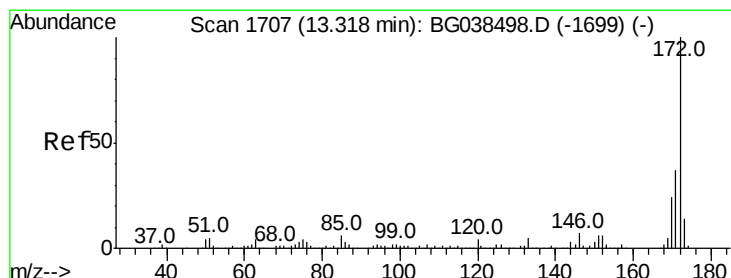
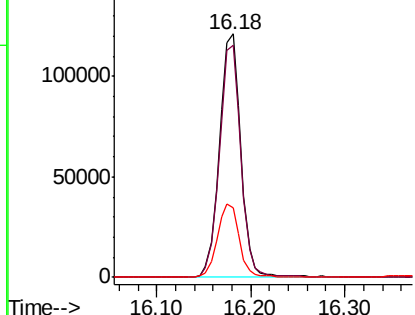
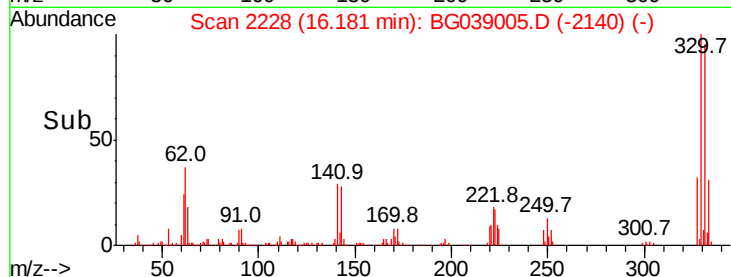


Abundance

Ion 329.80 (329.50 to 330.50): E

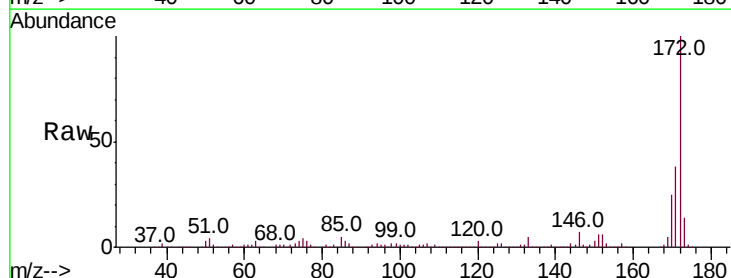
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.595 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG039005.D
 Acq: 8 Jan 2019 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.8	44.6
170	25.1	19.5	29.3

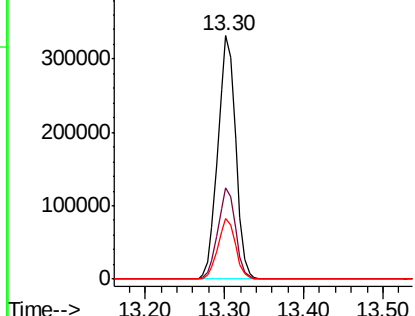
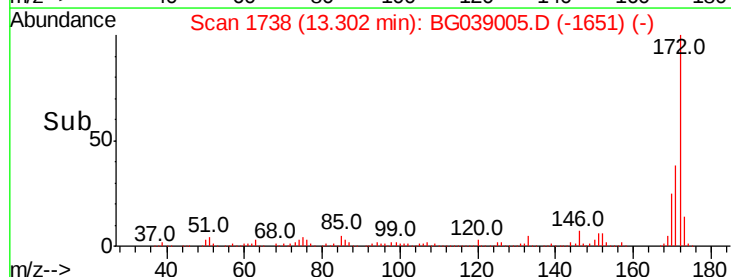


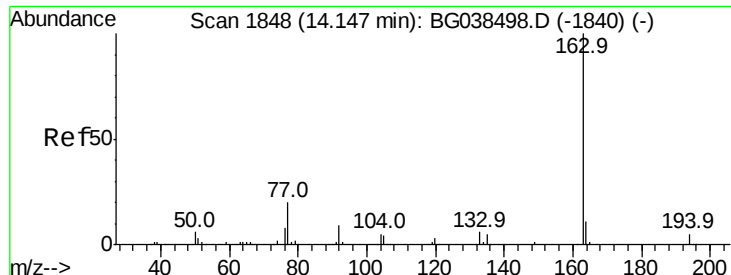
Abundance

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





#50

Dimethylphthalate

Concen: 11.638 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

Instrument :

BNA_G

ClientSampleId :

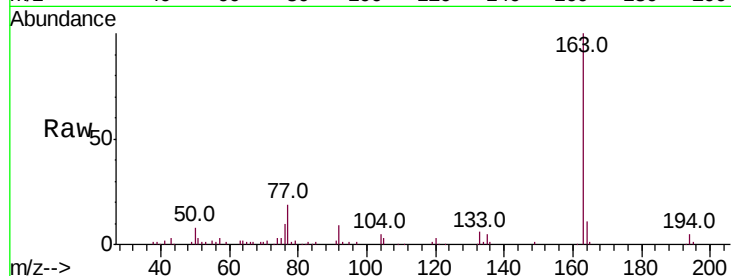
Tot Ion:163 Resp: 77173

Ion Ratio Lower Upper

163 100

194 4.5 3.7 5.5

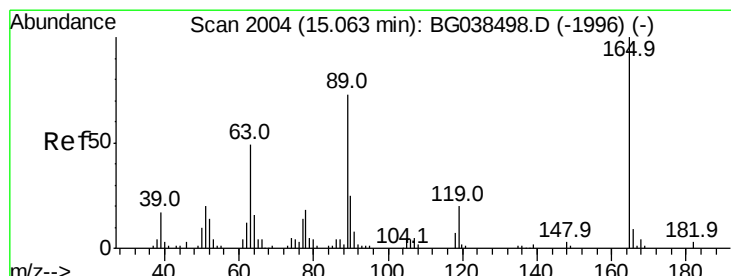
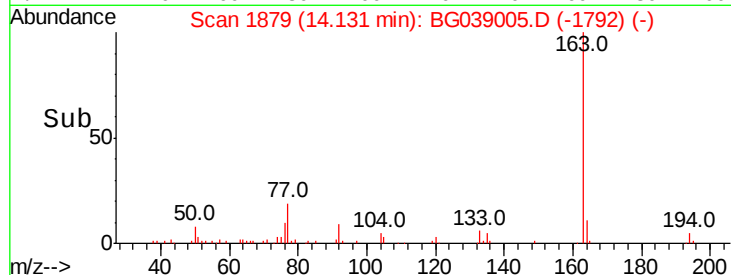
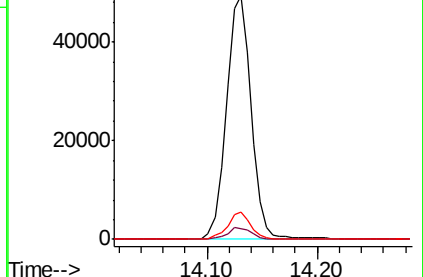
164 11.3 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.211 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

Tgt Ion:165 Resp: 11030

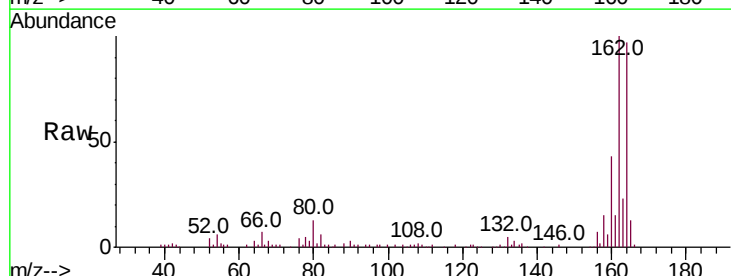
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

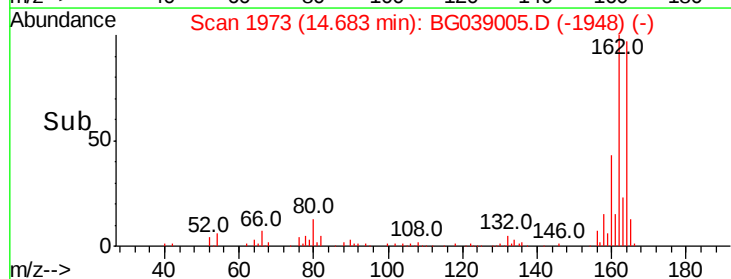
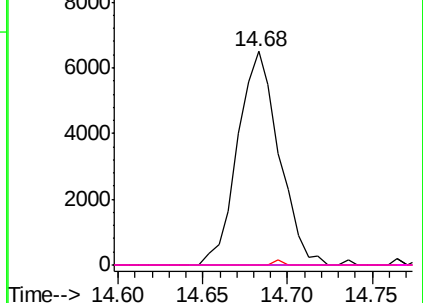


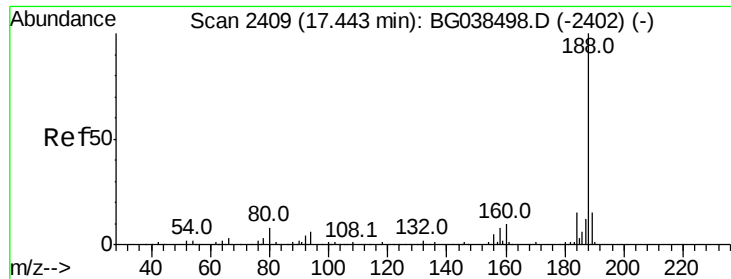
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

Instrument :

BNA_G

ClientSampleId :

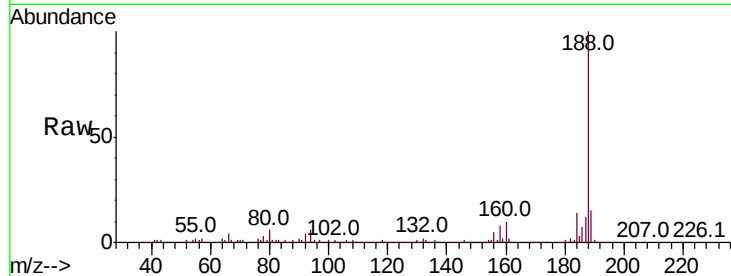
Tot Ion:188 Resp: 186451

Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

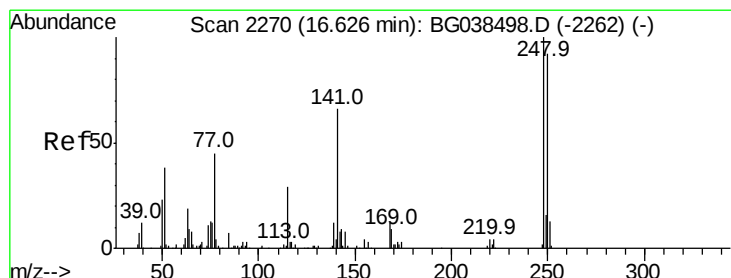
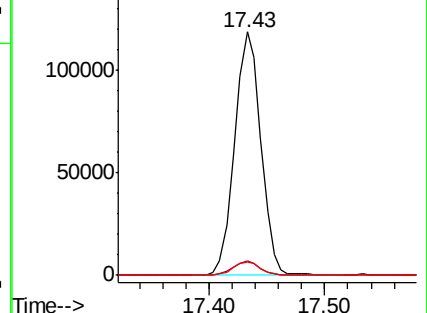
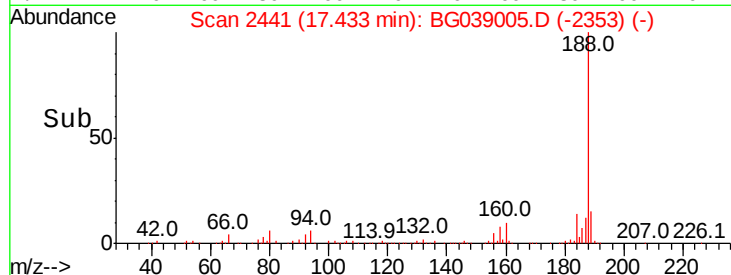
80 5.6 6.1 9.1#



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: 5.393 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.44 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

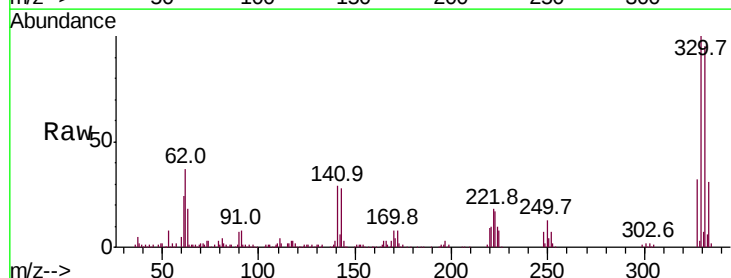
Tgt Ion:248 Resp: 12280

Ion Ratio Lower Upper

248 100

250 181.0 73.4 110.2#

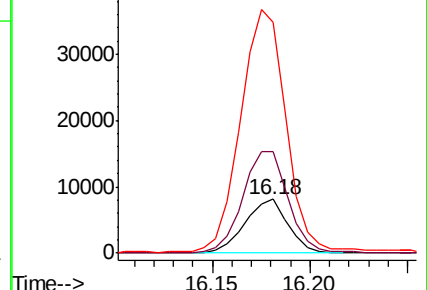
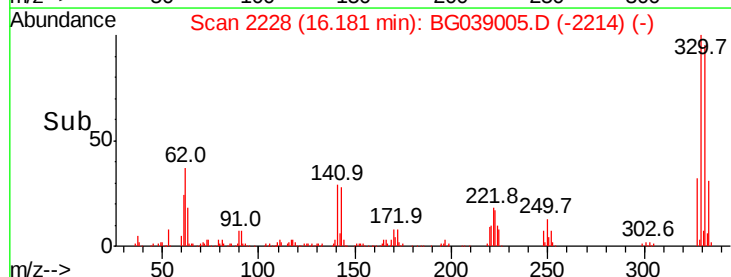
141 322.8 52.9 79.3#

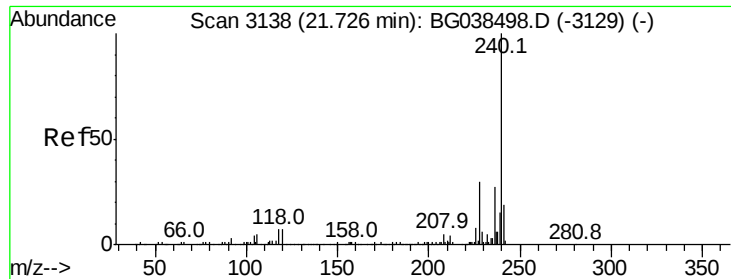


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

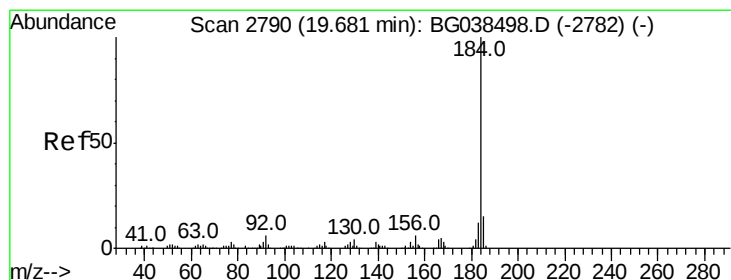
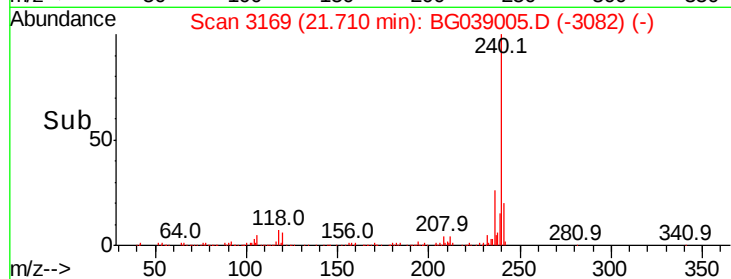
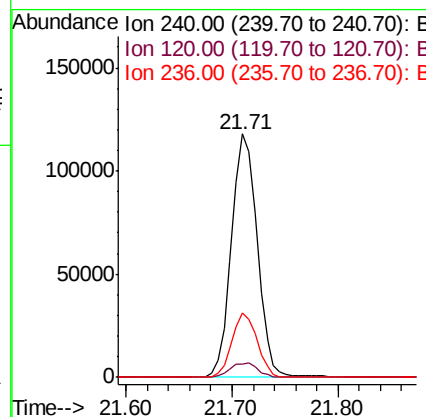
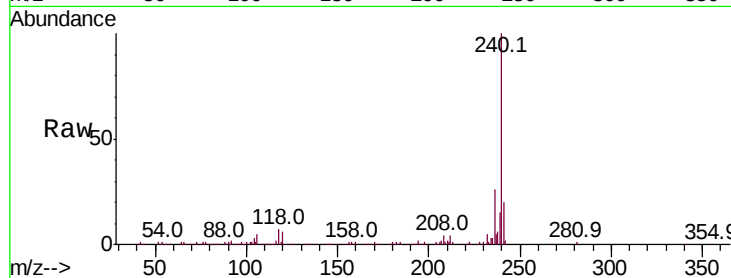




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG039005.D
 Acq: 8 Jan 2019 22:28

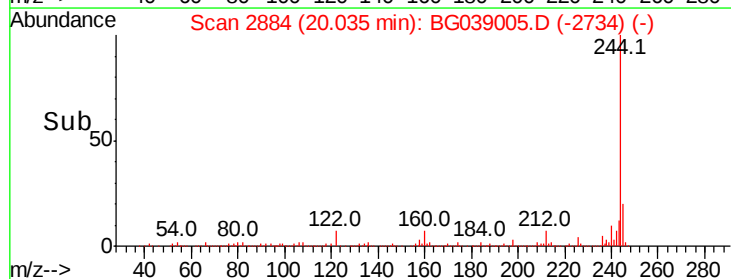
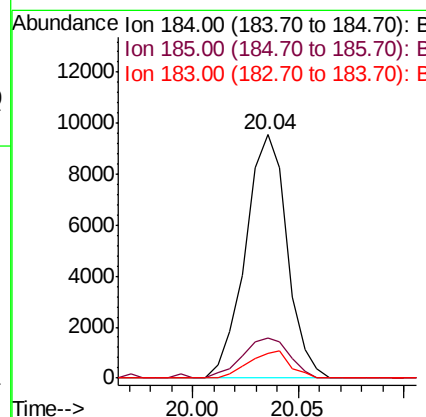
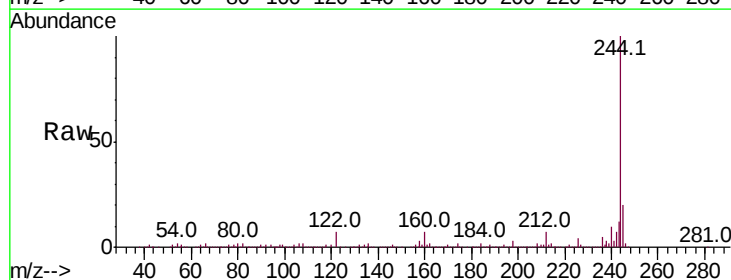
Instrument :
 BNA_G
 ClientSampleId :

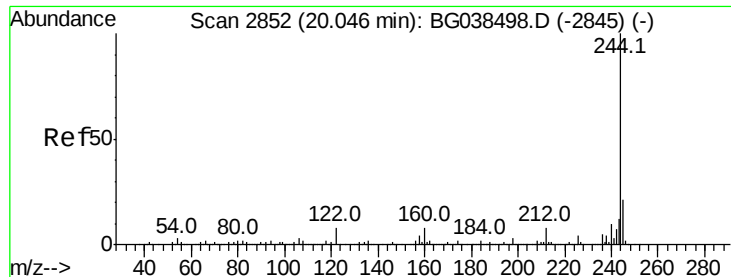
Tot Ion:240 Resp: 199192
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.3 7.9
 236 26.2 21.4 32.2



#77
 Benzidine
 Concen: 2.221 ng
 RT: 20.04 min Scan# 2884
 Delta R.T. 0.35 min
 Lab File: BG039005.D
 Acq: 8 Jan 2019 22:28

Tgt Ion:184 Resp: 13083
 Ion Ratio Lower Upper
 184 100
 185 16.3 12.2 18.2
 183 10.2 9.6 14.4





#79

Terphenyl-d14

Concen: 91.758 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

Instrument :

BNA_G

ClientSampleId :

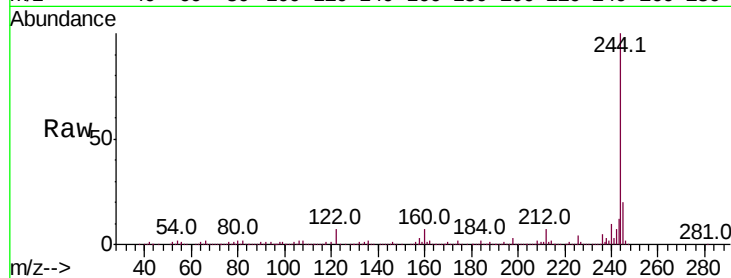
Tot Ion:244 Resp: 839832

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

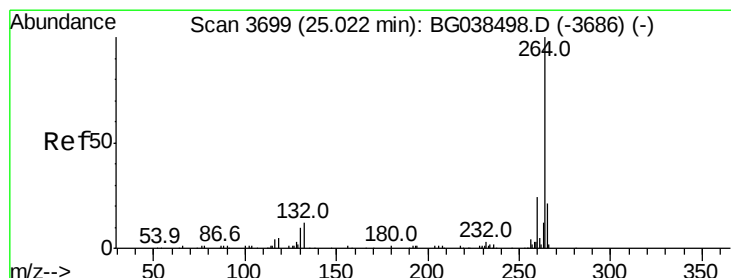
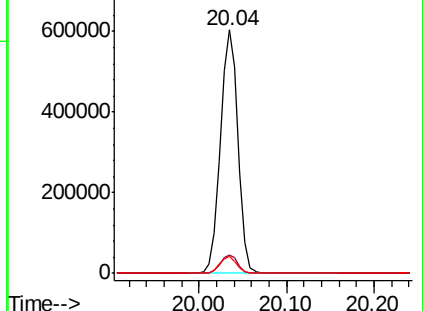
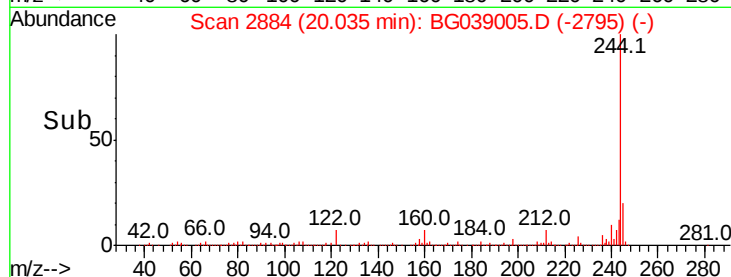
122 6.9 6.3 9.5



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: 25.01 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG039005.D

Acq: 8 Jan 2019 22:28

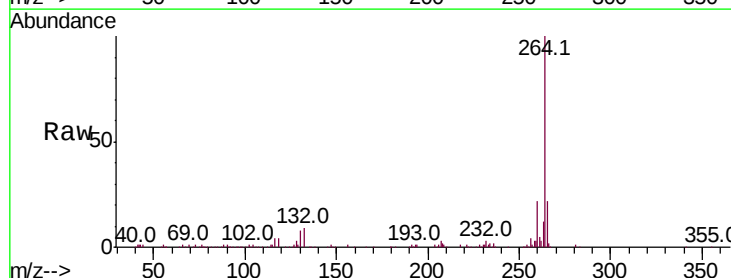
Tgt Ion:264 Resp: 216557

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 21.9 17.0 25.4



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

