

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010819\
 Data File : BG039004.D
 Acq On : 8 Jan 2019 21:49
 Operator : JU/SJ
 Sample : K1074-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 09 03:03:30 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

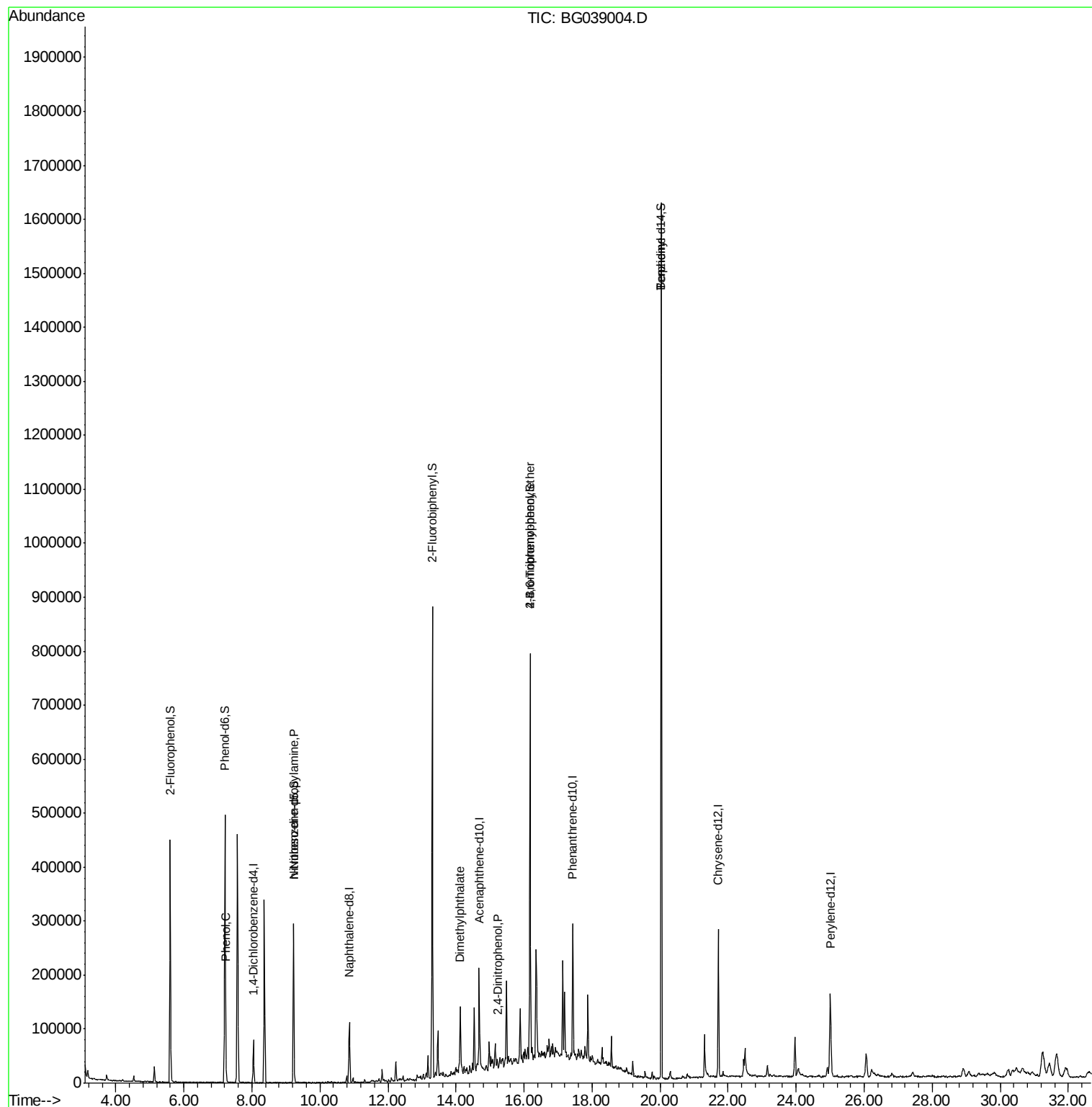
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	23880	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	101767	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	69828	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	157913	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	177636	20.00	ng	-0.02
87) Perylene-d12	25.01	264	191421	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	202950	150.74	ng	0.00
7) Phenol-d6	7.21	99	295417	159.83	ng	0.00
23) Nitrobenzene-d5	9.22	82	174977	87.84	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	160830	167.12	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	485272	95.34	ng	-0.02
79) Terphenyl-d14	20.03	244	806410	98.80	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	14400	7.333	ng	90
19) n-Nitroso-di-n-propylamine	9.22	70	23636	18.207	ng	# 63
50) Dimethylphthalate	14.13	163	60089	10.538	ng	100
54) 2,4-Dinitrophenol	15.22	184	63	5.258	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	9964	5.167	ng	# 1
77) Benzidine	20.03	184	13266	2.525	ng	94

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
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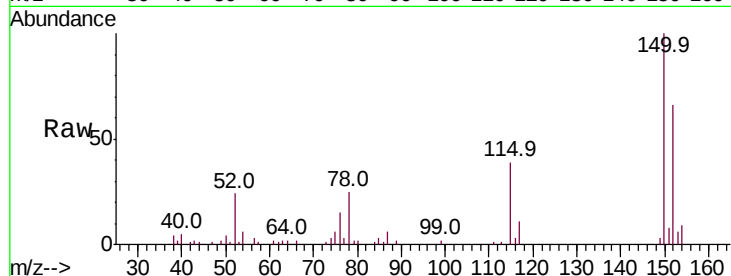


#1

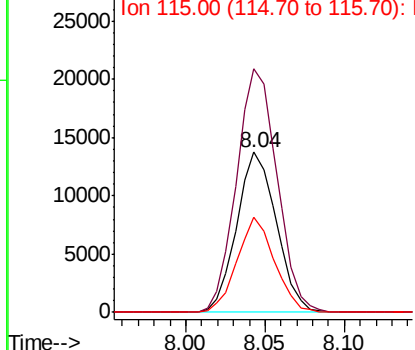
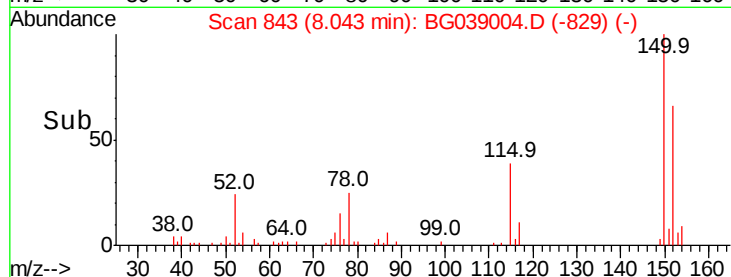
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23880
Ion Ratio Lower Upper
152 100
150 151.9 119.5 179.3
115 59.6 49.6 74.4



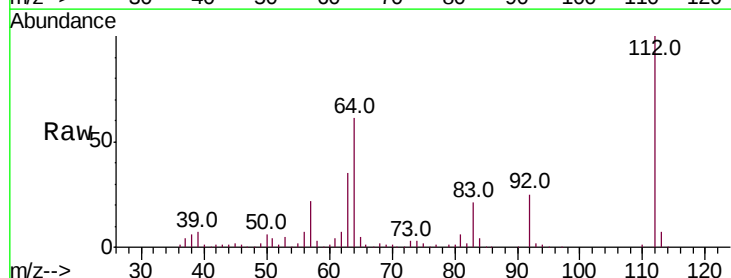
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



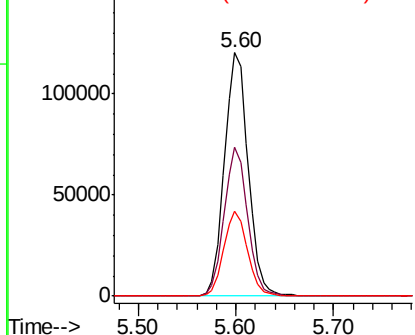
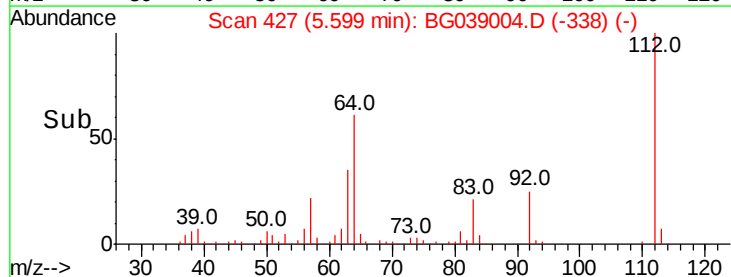
#5

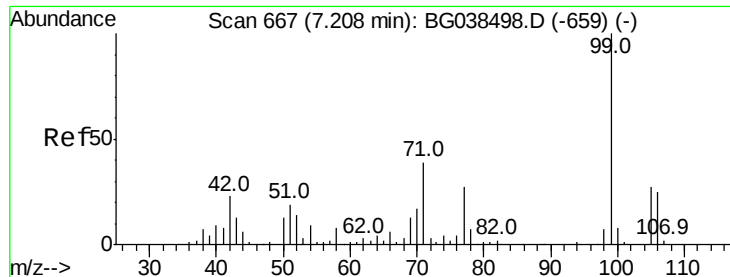
2-Fluorophenol
Concen: 150.738 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

Tgt Ion:112 Resp: 202950
Ion Ratio Lower Upper
112 100
64 61.1 53.4 80.2
63 34.8 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: 159.831 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

Instrument :

BNA_G

ClientSampled :

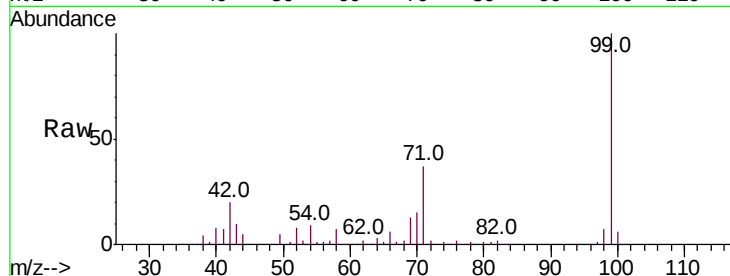
Tot Ion: 99 Resp: 295417

Ion Ratio Lower Upper

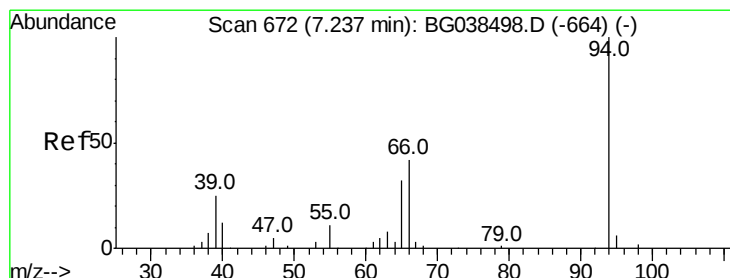
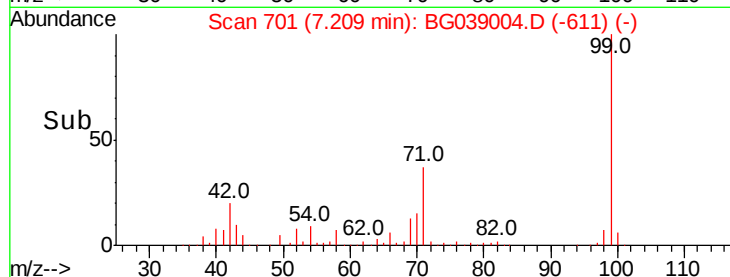
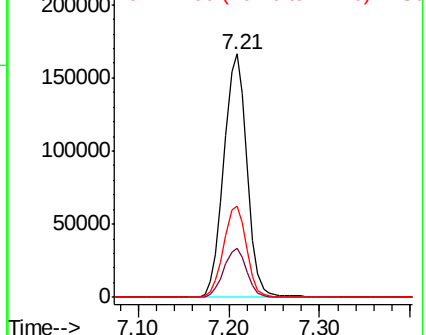
99 100

42 20.0 18.5 27.7

71 37.3 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: 7.333 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

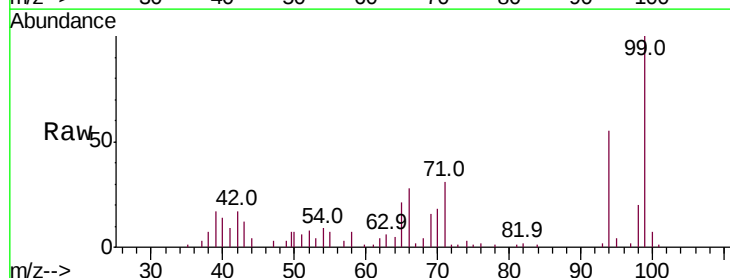
Tgt Ion: 94 Resp: 14400

Ion Ratio Lower Upper

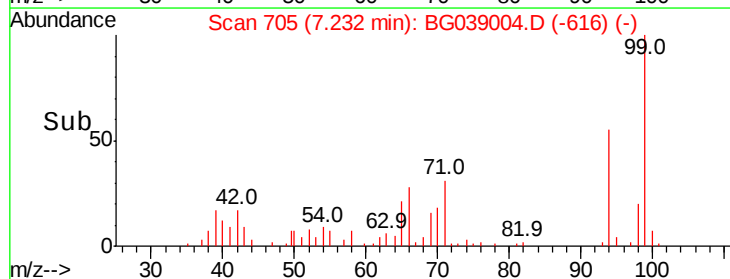
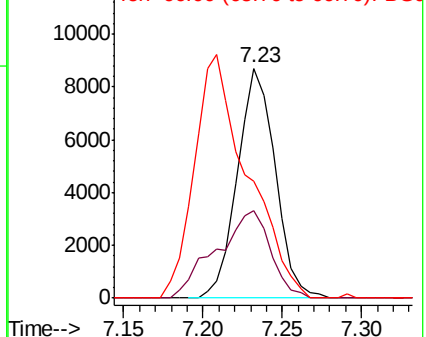
94 100

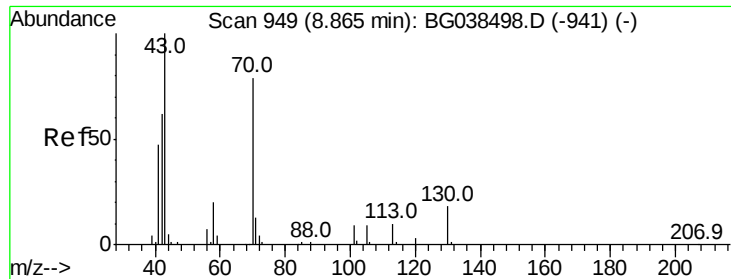
65 37.8 12.6 52.6

66 51.0 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

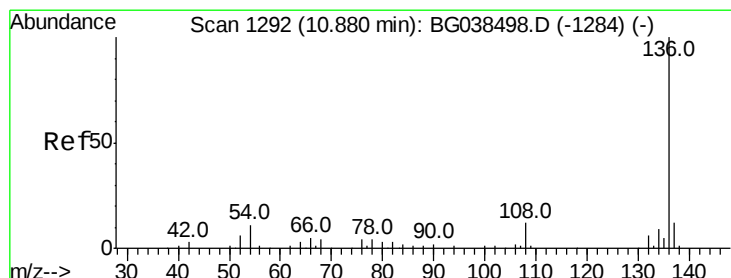
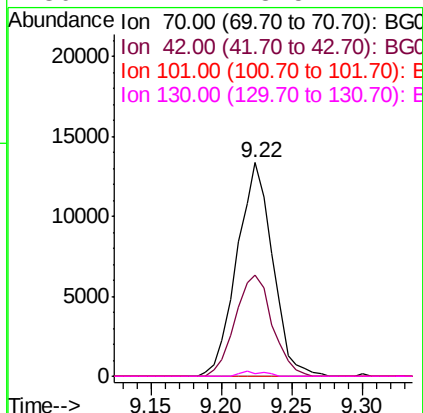
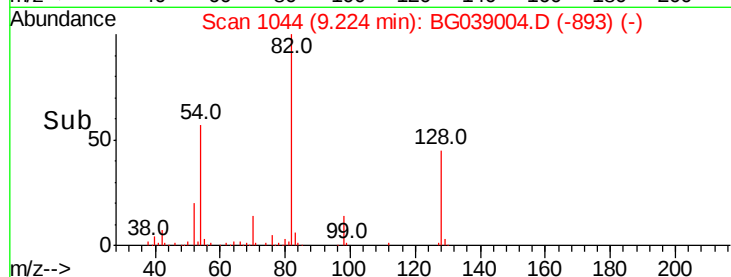
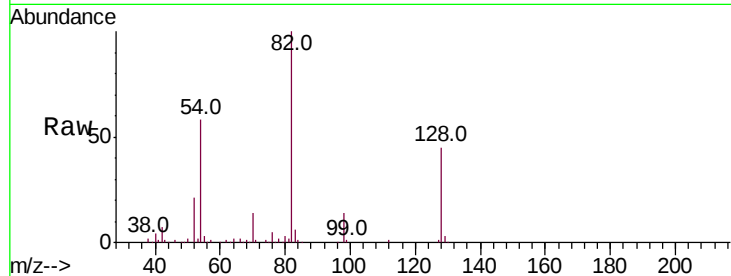




#19
n-Nitroso-di-n-propylamine
Concen: 18.207 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.36 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

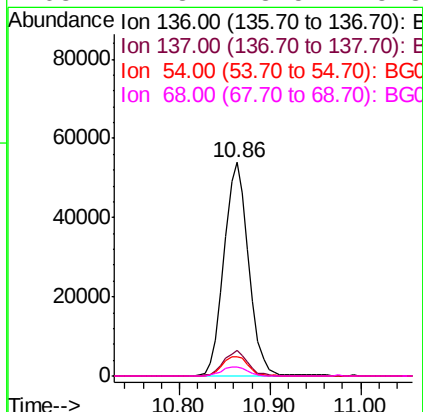
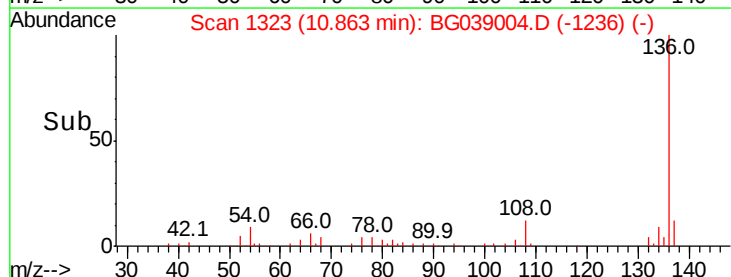
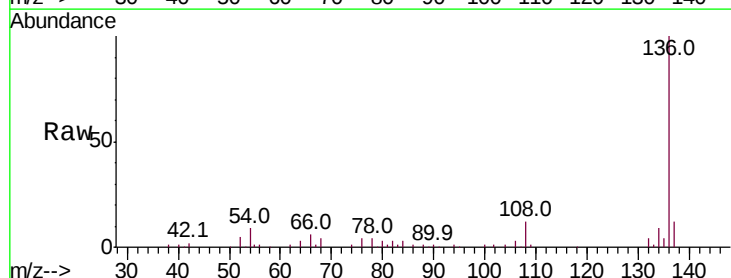
Instrument :
BNA_G
ClientSampleId :

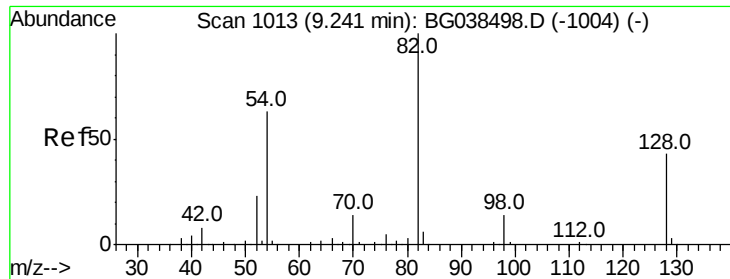
Tot Ion: 70 Resp: 23636
Ion Ratio Lower Upper
70 100
42 47.4 63.6 95.4#
101 0.0 9.2 13.8#
130 1.4 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

Tgt Ion: 136 Resp: 101767
Ion Ratio Lower Upper
136 100
137 11.9 9.3 13.9
54 9.0 8.5 12.7
68 4.3 3.5 5.3

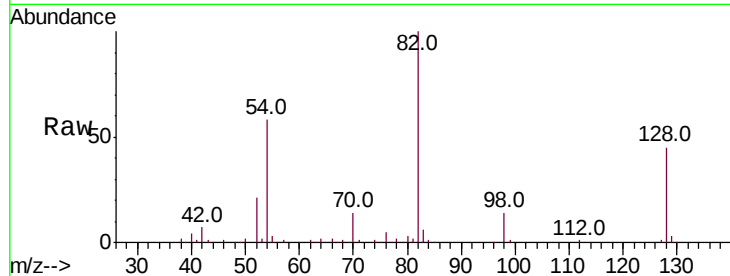




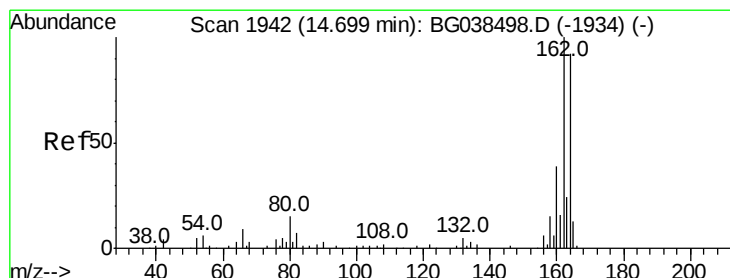
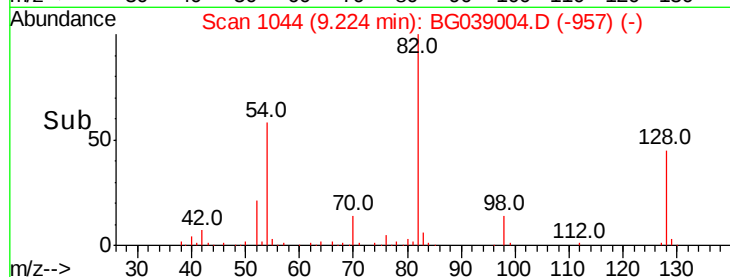
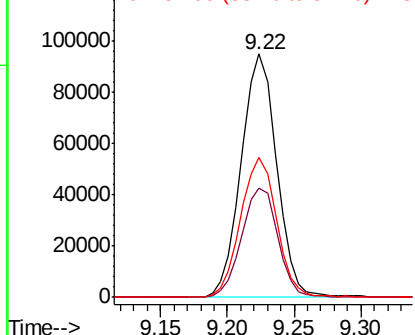
#23
Nitrobenzene-d5
Concen: 87.839 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 174977
Ion Ratio Lower Upper
82 100
128 44.9 34.6 52.0
54 57.6 50.6 76.0

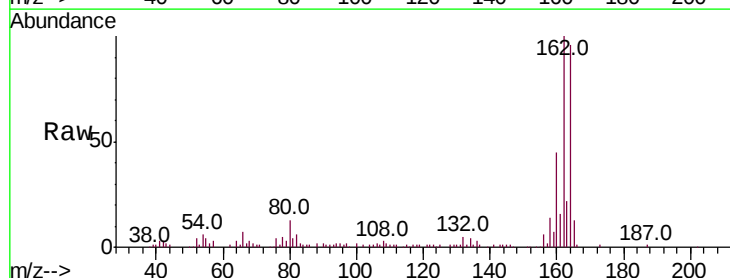


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

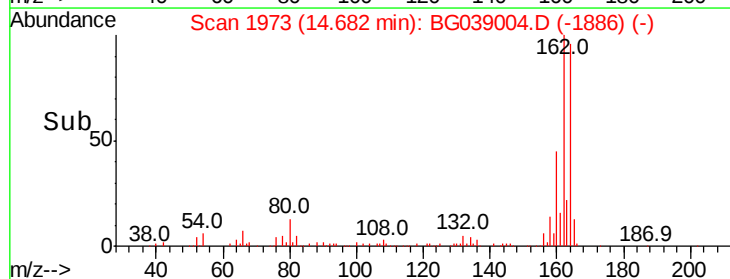
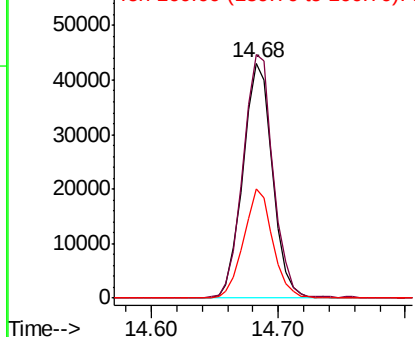


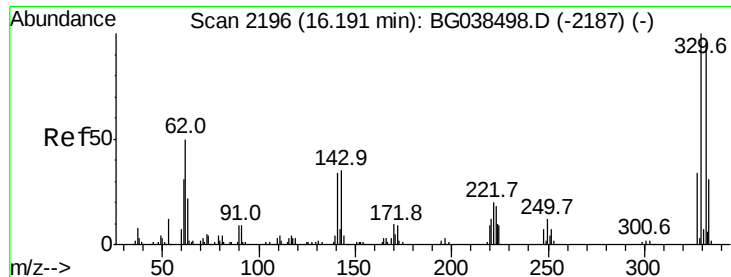
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG039004.D
Acq: 8 Jan 2019 21:49

Tgt Ion:164 Resp: 69828
Ion Ratio Lower Upper
164 100
162 103.7 86.6 130.0
160 46.4 34.2 51.2



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

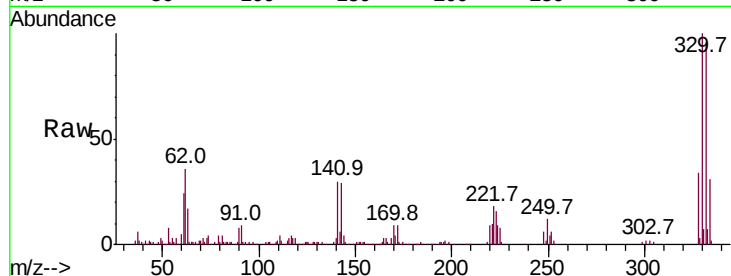




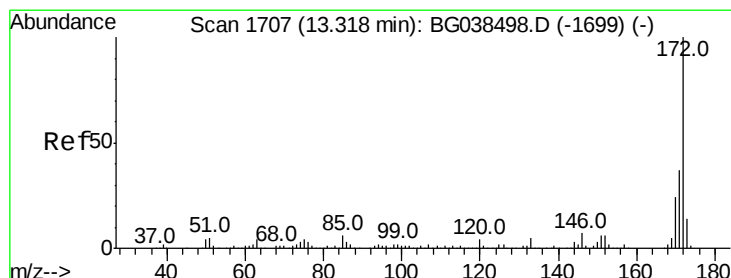
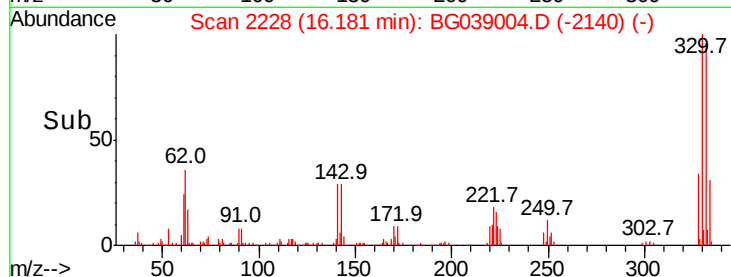
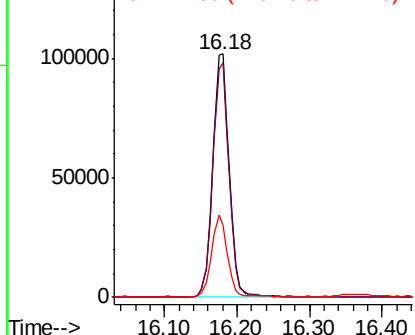
#42
 2,4,6-Tribromophenol
 Concen: 167.121 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG039004.D
 Acq: 8 Jan 2019 21:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	31.8	28.8	43.2

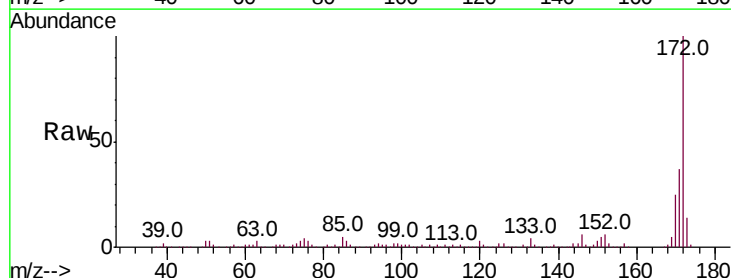


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

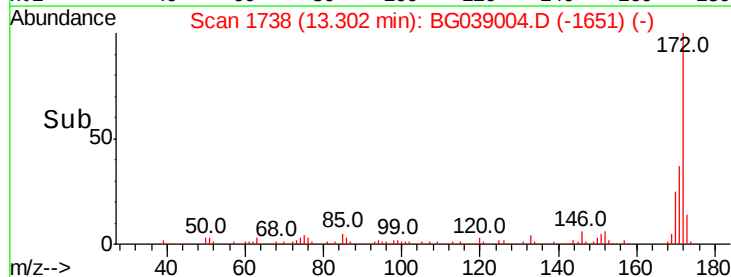
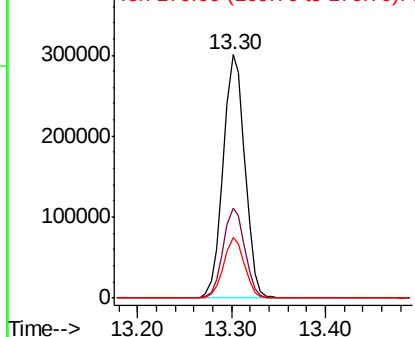


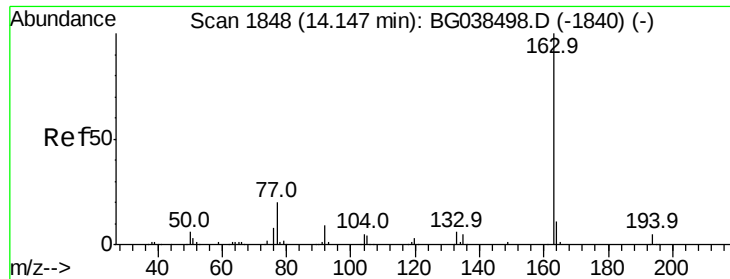
#45
 2-Fluorobiphenyl
 Concen: 95.337 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG039004.D
 Acq: 8 Jan 2019 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	24.8	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: 10.538 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

Instrument :

BNA_G

ClientSampled :

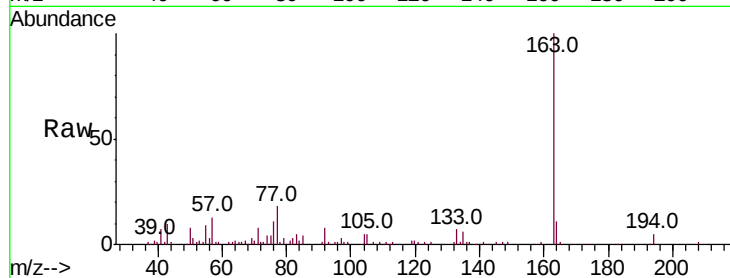
Tot Ion:163 Resp: 60089

Ion Ratio Lower Upper

163 100

194 4.8 3.7 5.5

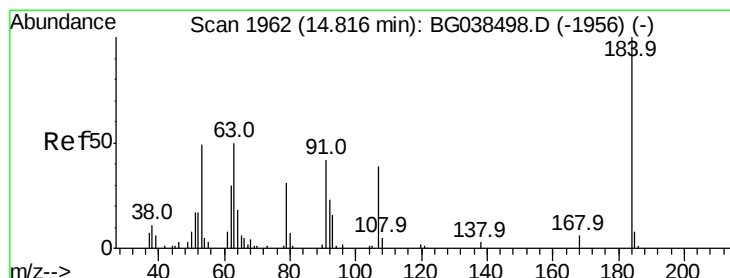
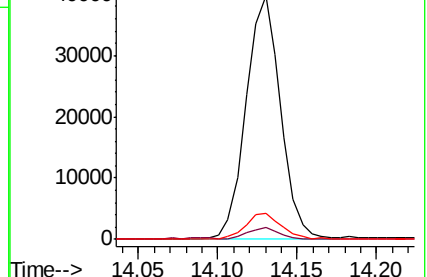
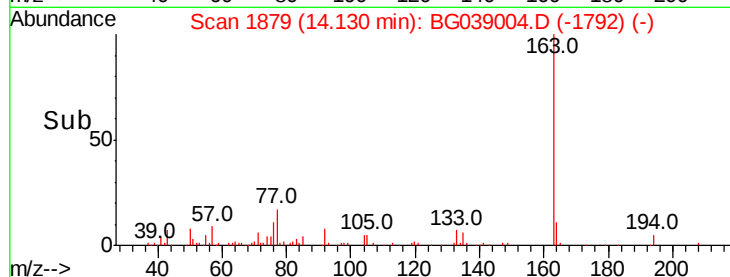
164 10.8 8.6 12.8



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



#54

2,4-Dinitrophenol

Concen: 5.258 ng

RT: 15.22 min Scan# 2064

Delta R.T. 0.40 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

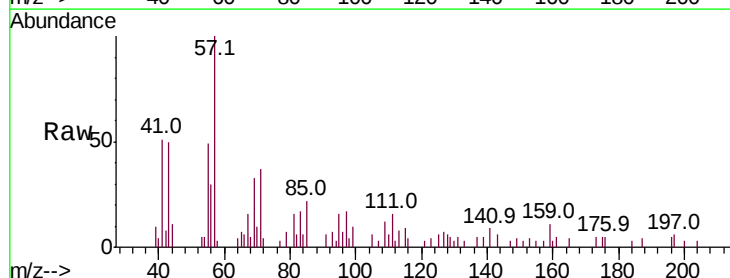
Tgt Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

63 0.0 47.0 70.6#

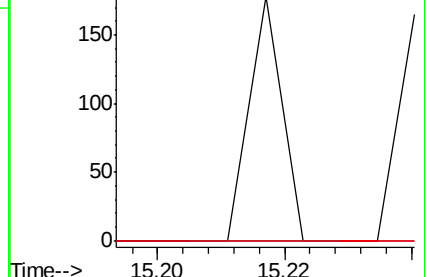
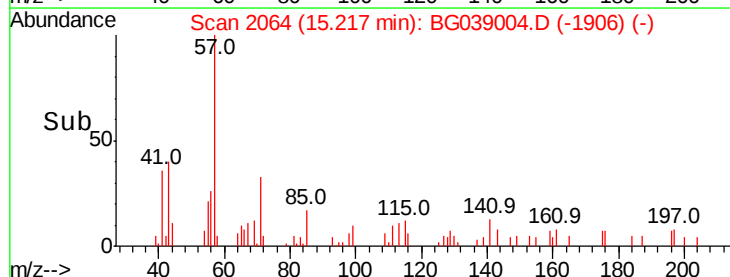
154 0.0 50.3 75.5#

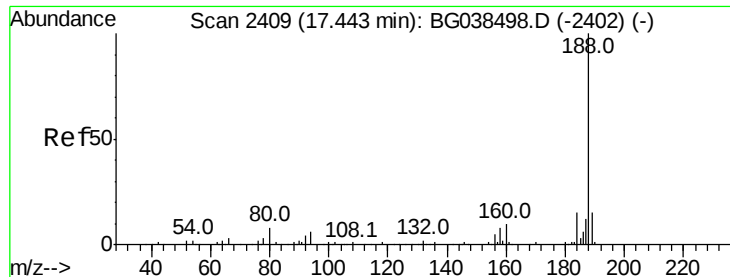


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

Instrument :

BNA_G

ClientSampleId :

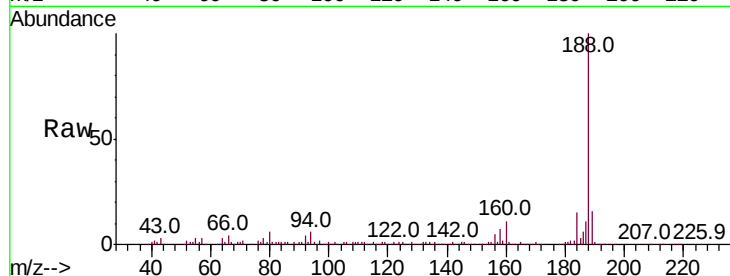
Tot Ion:188 Resp: 157913

Ion Ratio Lower Upper

188 100

94 5.7 5.1 7.7

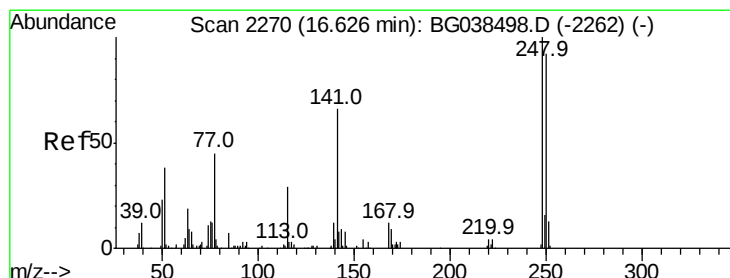
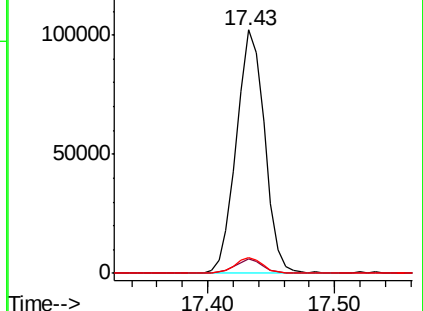
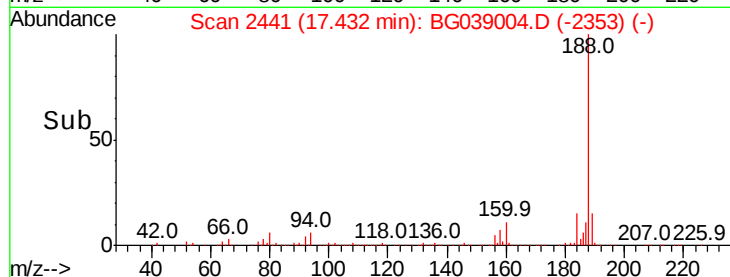
80 6.4 6.1 9.1



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: 5.167 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

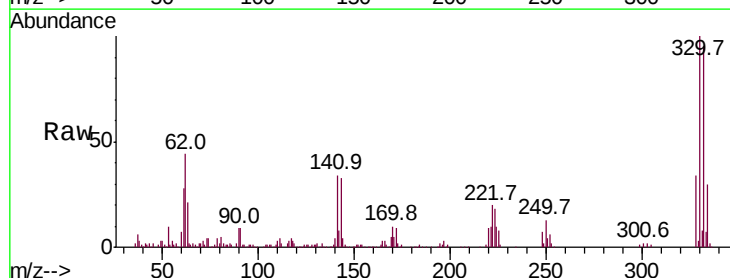
Tgt Ion:248 Resp: 9964

Ion Ratio Lower Upper

248 100

250 192.0 73.4 110.2#

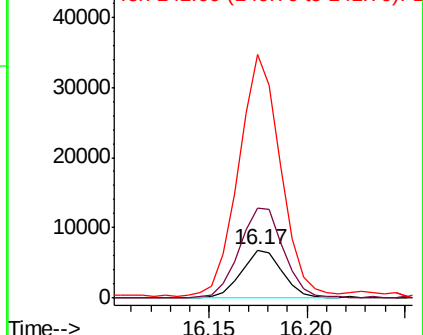
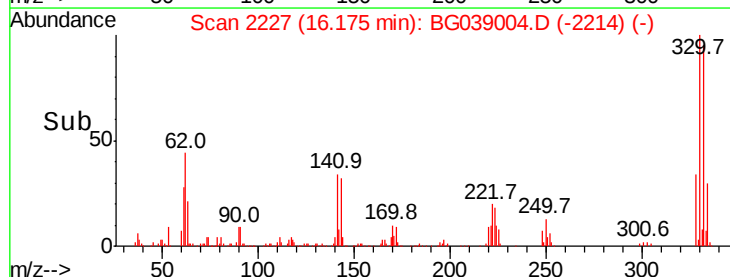
141 389.4 52.9 79.3#

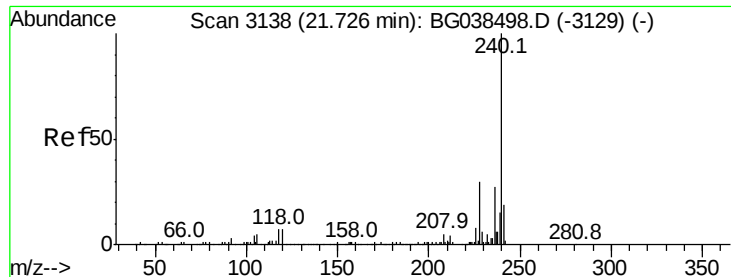


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG039004.D

Acq: 8 Jan 2019 21:49

Instrument :

BNA_G

ClientSampled :

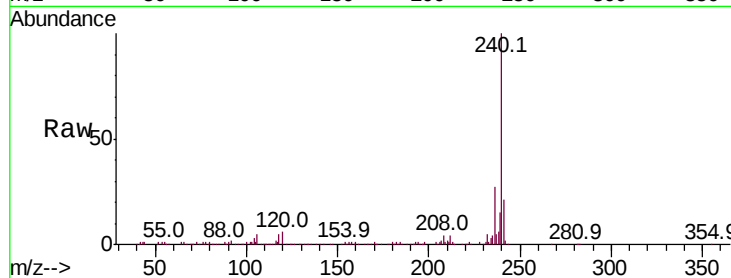
Tot Ion:240 Resp: 177636

Ion Ratio Lower Upper

240 100

120 5.9 5.3 7.9

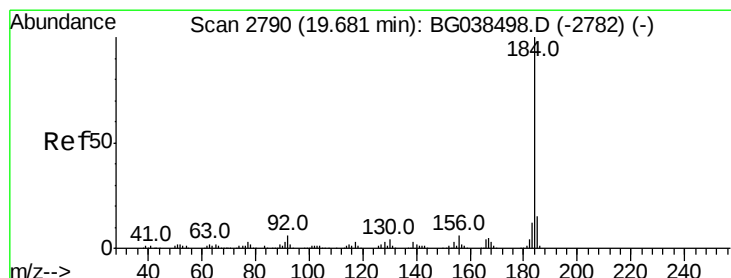
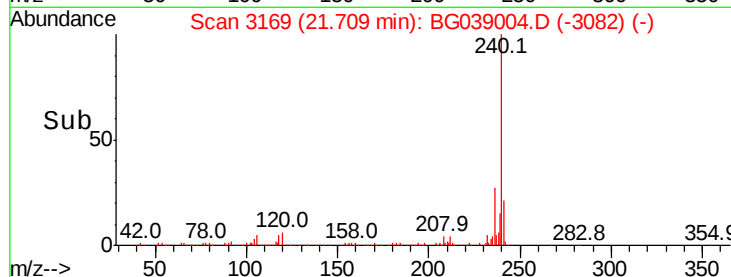
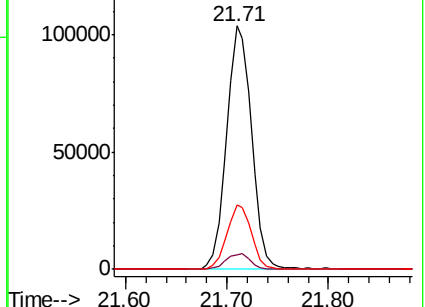
236 26.5 21.4 32.2



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: 2.525 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

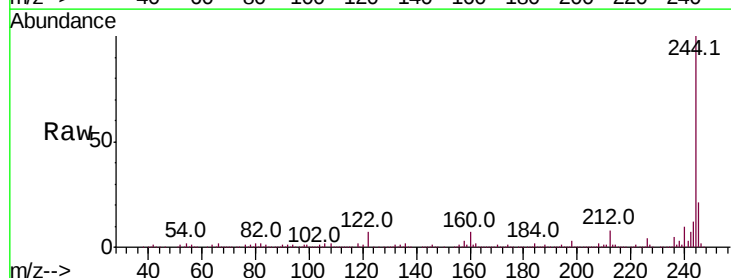
Tgt Ion:184 Resp: 13266

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

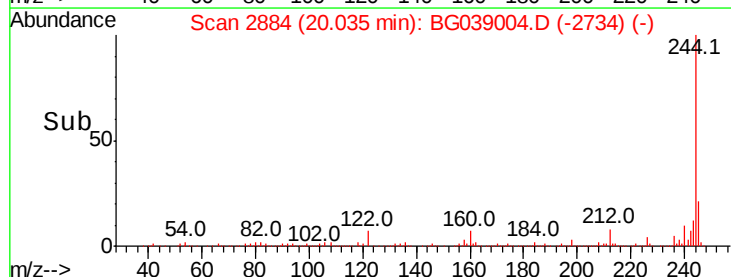
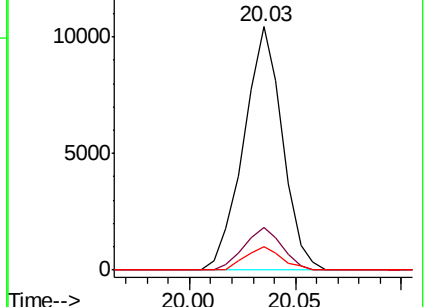
183 9.9 9.6 14.4

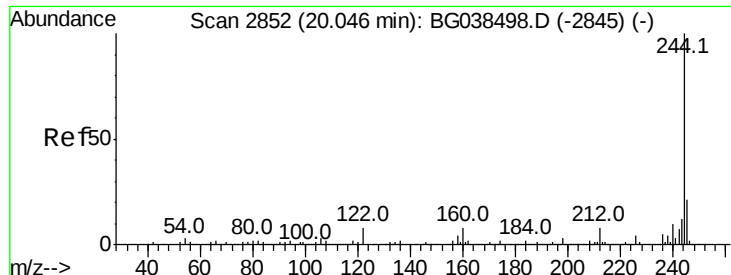


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 98.798 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

Instrument :

BNA_G

ClientSampleId :

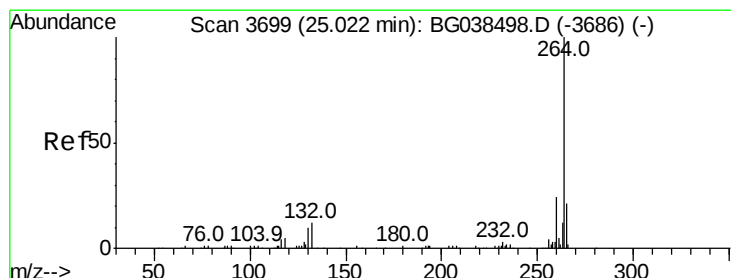
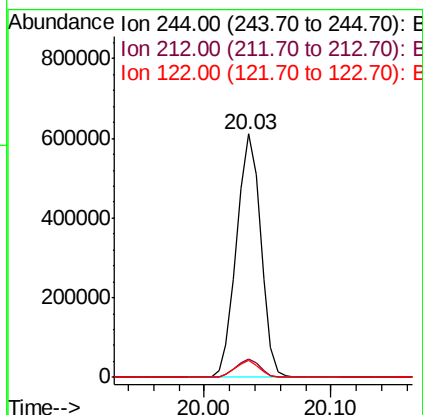
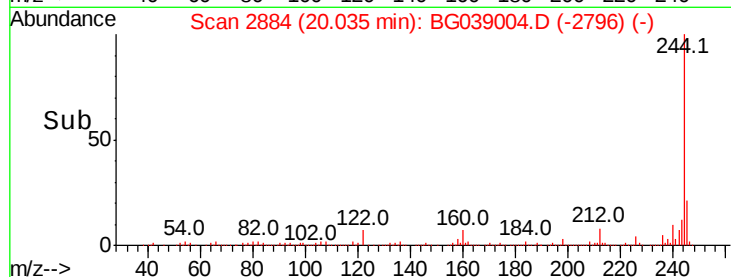
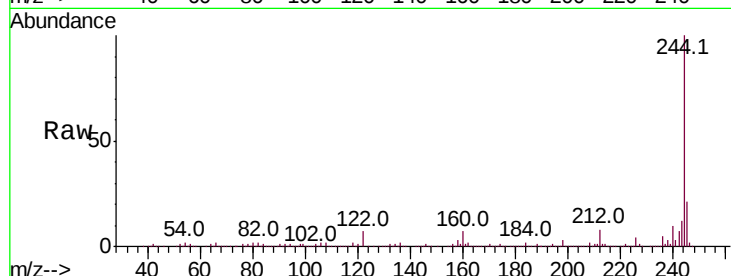
Tot Ion:244 Resp: 806410

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 6.8 6.3 9.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG039004.D

Acq: 8 Jan 2019 21:49

Tgt Ion:264 Resp: 191421

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 21.6 17.0 25.4

