

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039085.D
 Acq On : 11 Jan 2019 12:17
 Operator : JU/SJ
 Sample : K1099-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 13:48:28 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

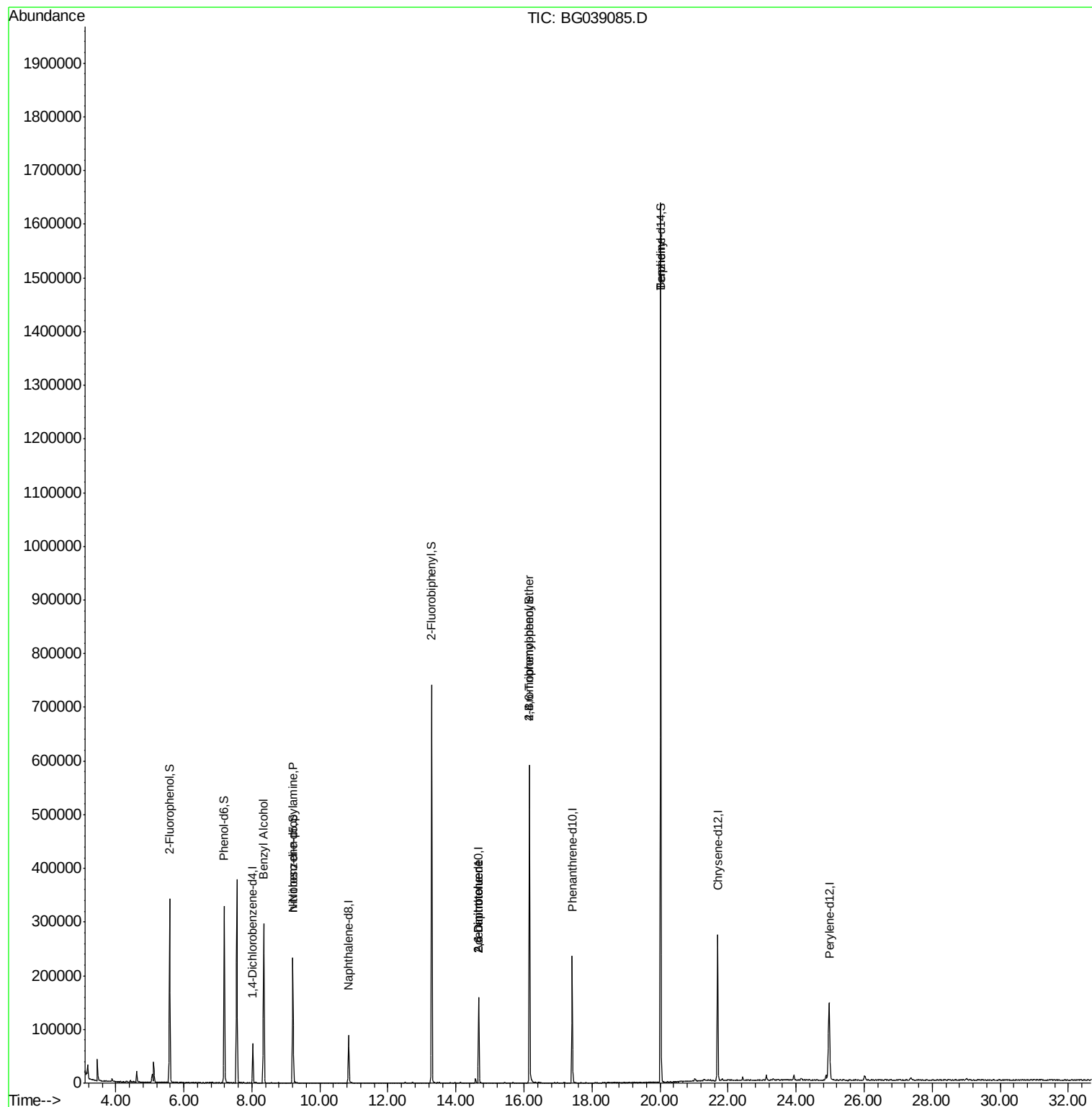
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	21893	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	85414	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	59815	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	157888	20.00	ng	0.00
76) Chrysene-d12	21.69	240	174669	20.00	ng	-0.01
87) Perylene-d12	24.97	264	185719	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	159342	138.07	ng	0.00
7) Phenol-d6	7.19	99	195727	117.84	ng	0.00
23) Nitrobenzene-d5	9.20	82	143406	91.87	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	136226	135.86	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	402338	92.05	ng	0.00
79) Terphenyl-d14	20.02	244	851060	90.13	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	2542	2.032	ng	# 42
19) n-Nitroso-di-n-propylamine	9.20	70	19114	17.525	ng	# 66
51) 2,6-Dinitrotoluene	14.67	165	7530	6.663	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	7530	4.644	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	8719	4.296	ng	# 1
77) Benzidine	20.02	184	13430	2.514	ng	# 93

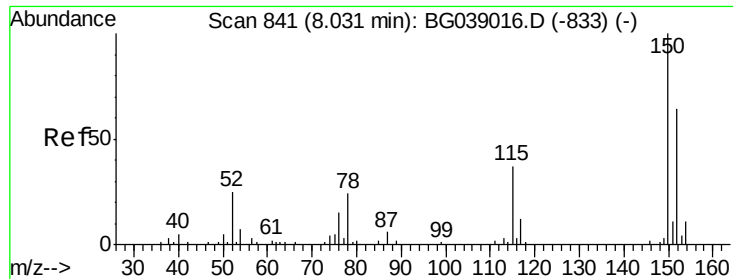
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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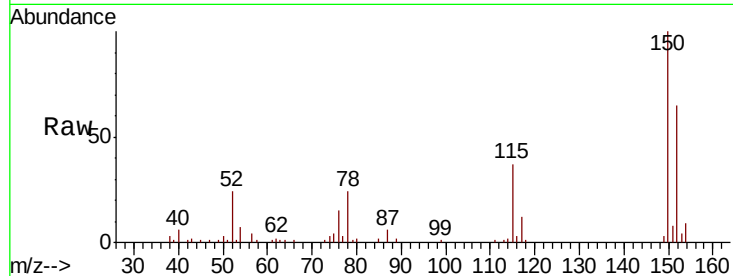


#1

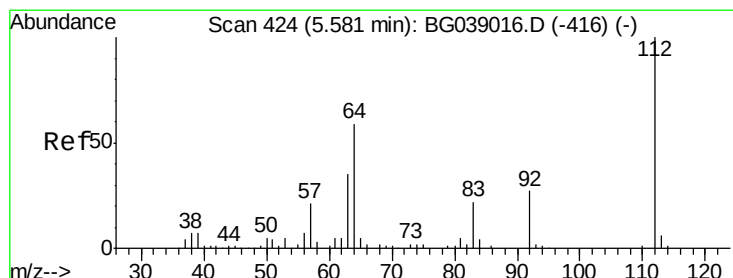
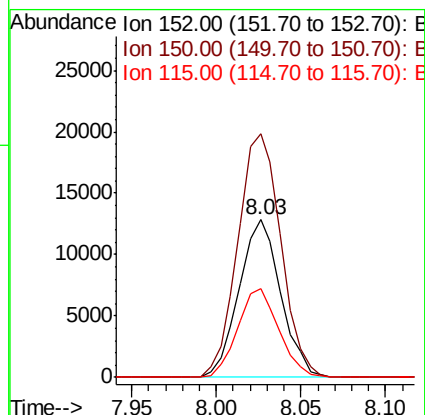
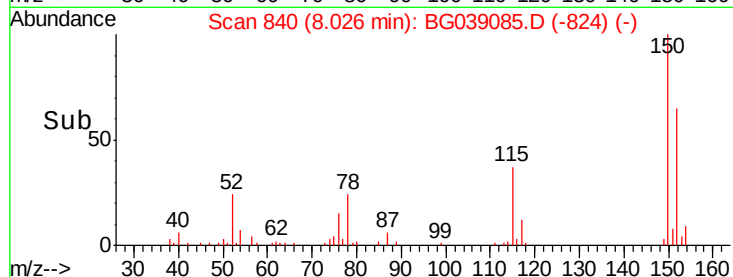
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21893
Ion Ratio Lower Upper
152 100
150 154.5 124.7 187.1
115 56.5 46.5 69.7



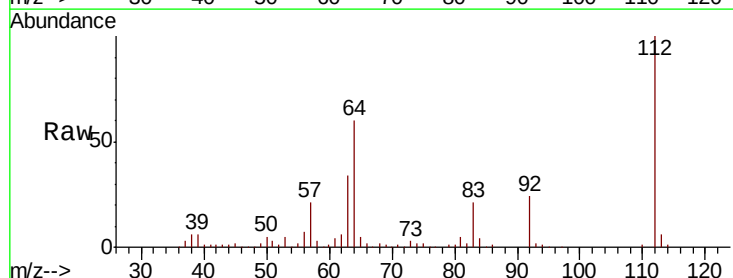
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



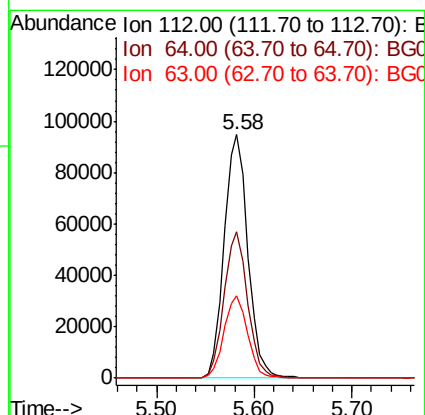
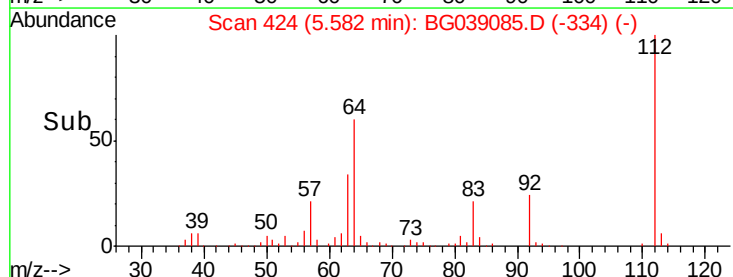
#5

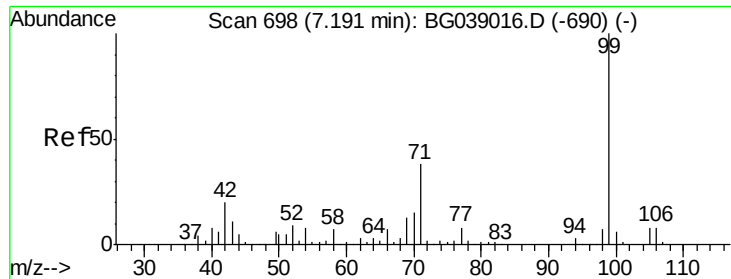
2-Fluorophenol
Concen: 138.067 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

Tgt Ion:112 Resp: 159342
Ion Ratio Lower Upper
112 100
64 60.0 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: 117.844 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Instrument :

BNA_G

ClientSampled :

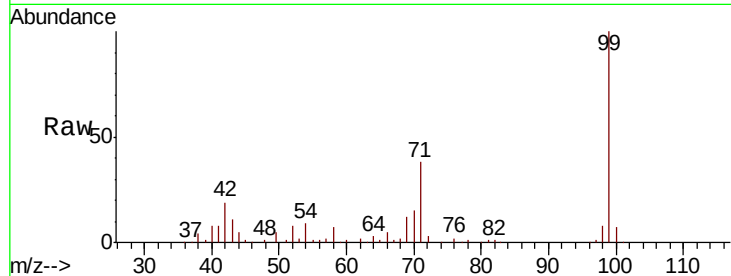
Tot Ion: 99 Resp: 195727

Ion Ratio Lower Upper

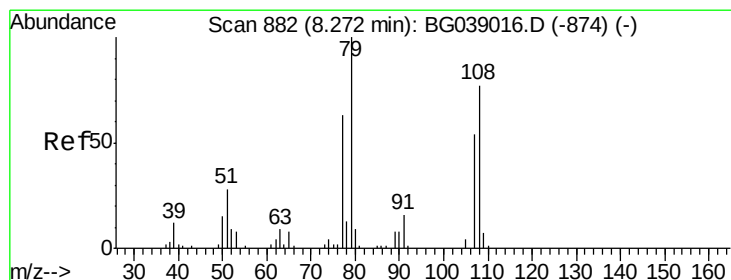
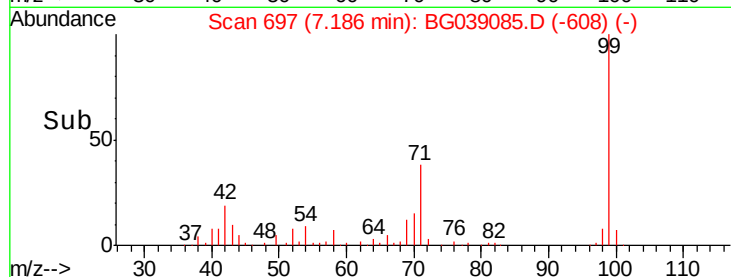
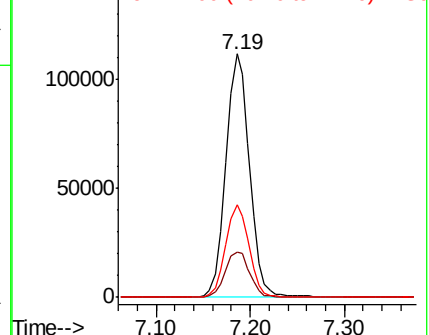
99 100

42 18.6 15.8 23.6

71 38.0 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



#15

Benzyl Alcohol

Concen: 2.032 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

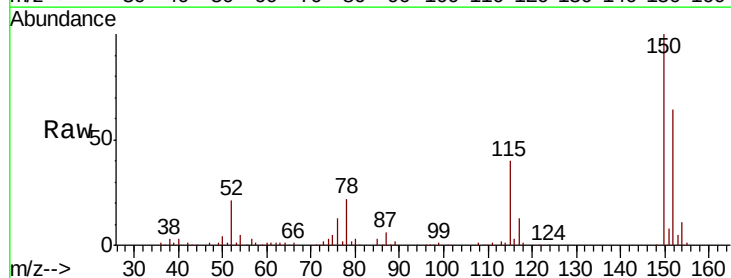
Tgt Ion: 79 Resp: 2542

Ion Ratio Lower Upper

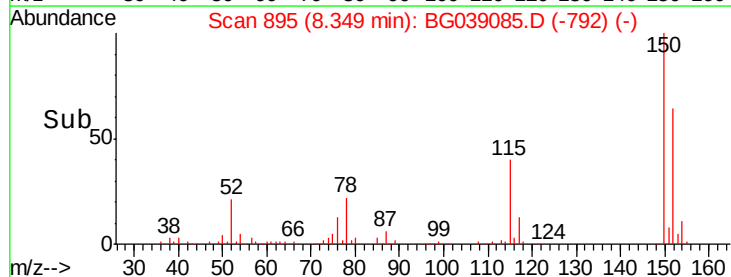
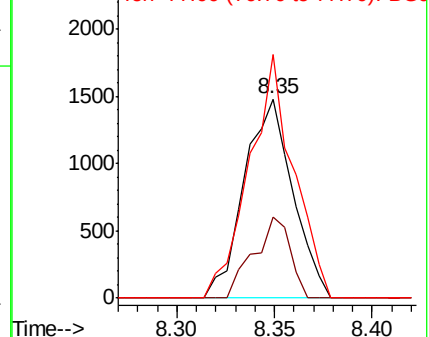
79 100

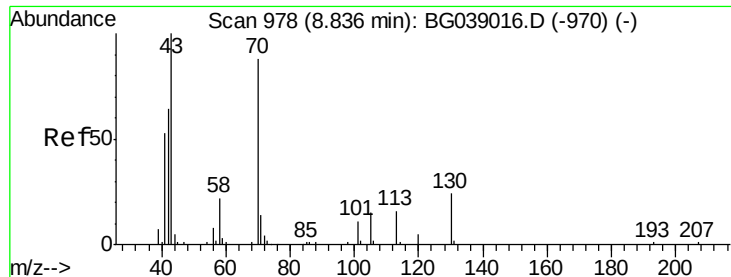
108 40.9 62.0 93.0#

77 122.3 50.1 75.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

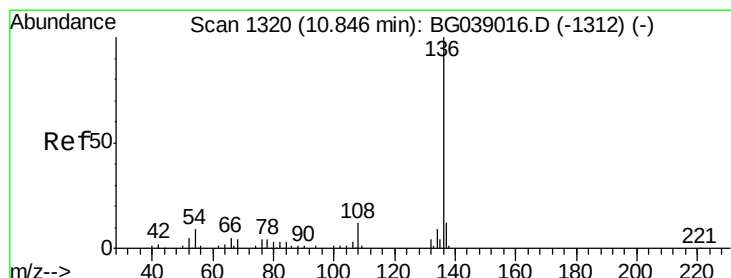
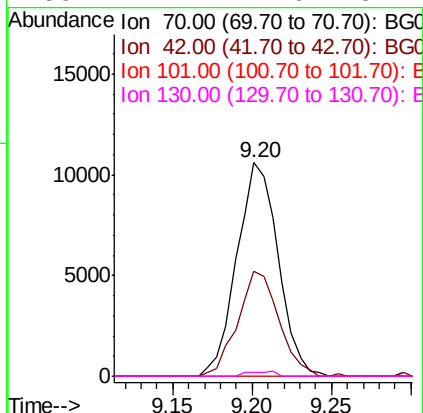
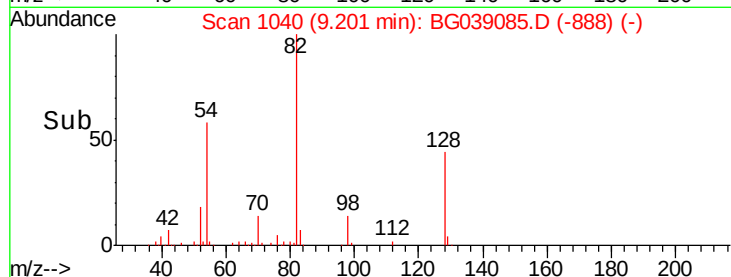
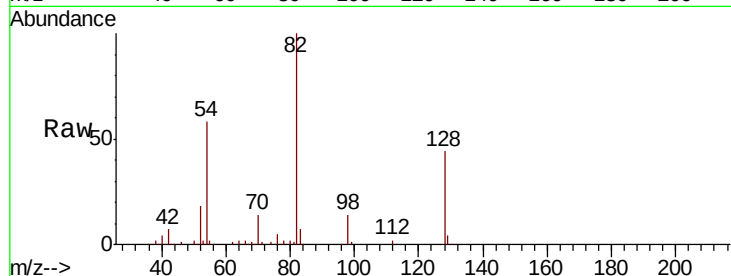




#19
n-Nitroso-di-n-propylamine
Concen: 17.525 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.36 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

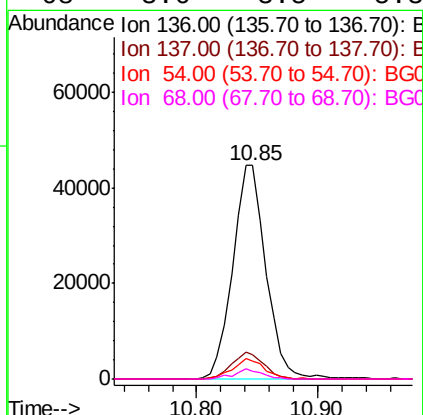
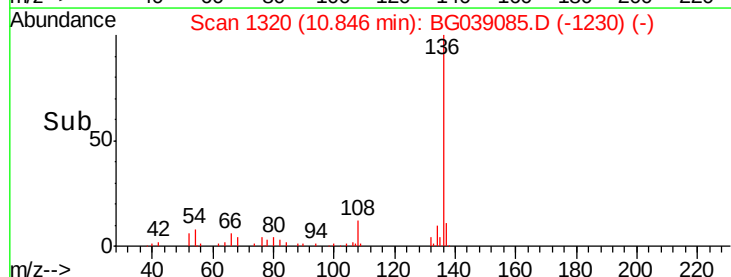
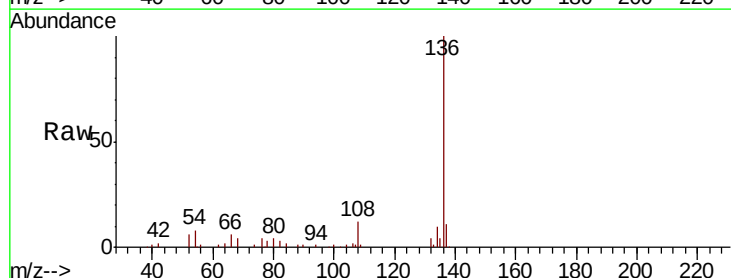
Instrument :
BNA_G
ClientSampleId :

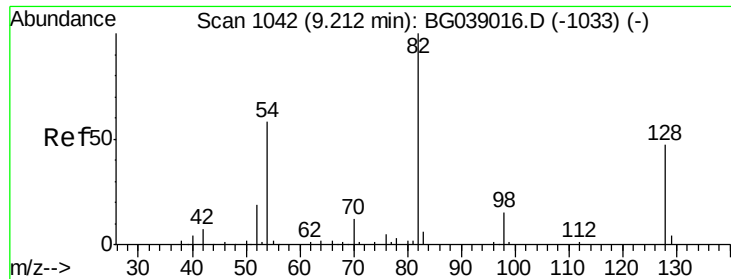
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.1	59.0	88.4#
101	0.0	10.4	15.6#
130	1.7	21.6	32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.2
54	8.1	7.2	10.8
68	3.6	3.5	5.3

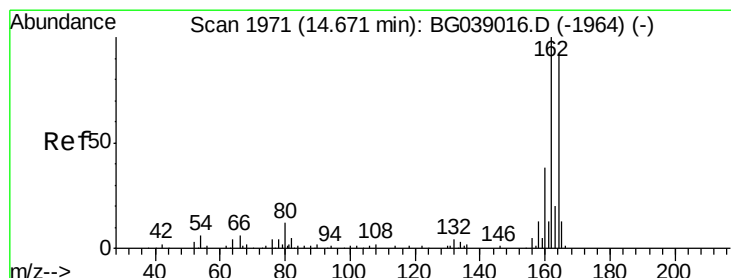
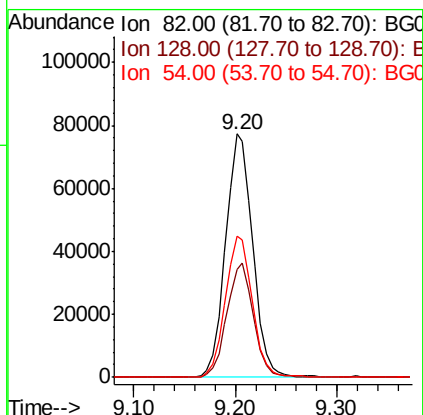
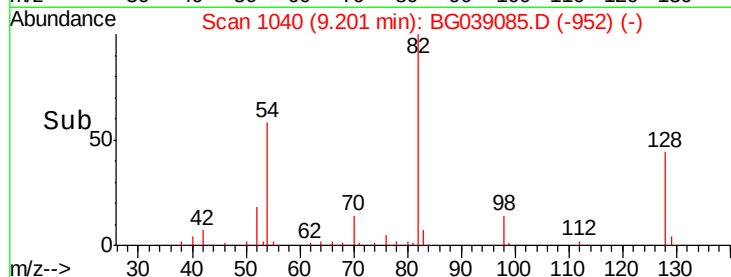
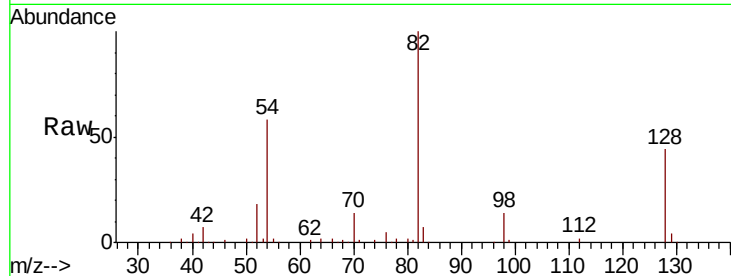




#23
Nitrobenzene-d5
Concen: 91.871 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

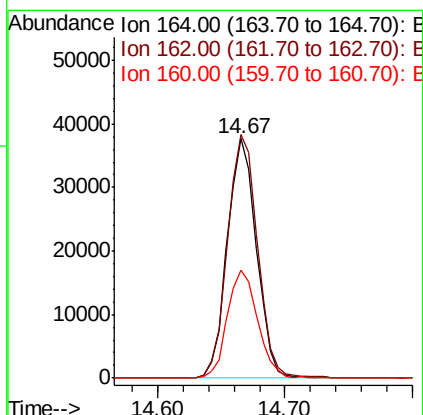
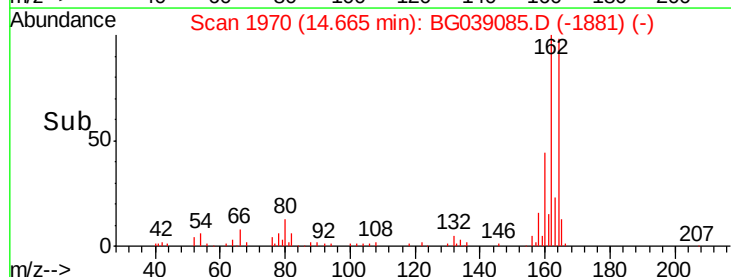
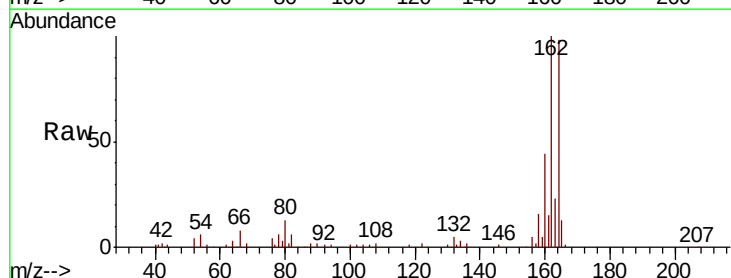
Instrument :
BNA_G
ClientSampleId :

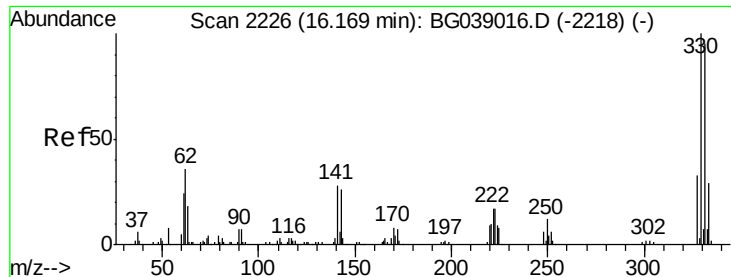
Tot Ion: 82 Resp: 143406
Ion Ratio Lower Upper
82 100
128 44.1 37.3 55.9
54 58.2 46.4 69.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039085.D
Acq: 11 Jan 2019 12:17

Tgt Ion:164 Resp: 59815
Ion Ratio Lower Upper
164 100
162 101.6 87.2 130.8
160 44.9 33.3 49.9

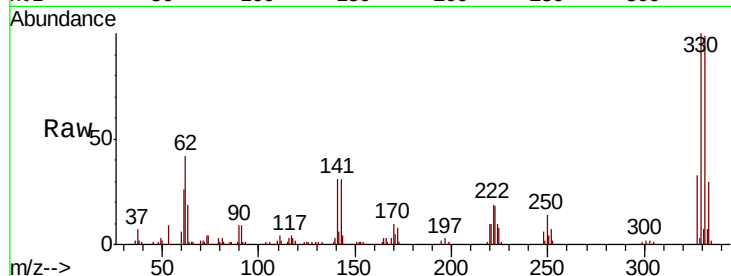




#42
 2,4,6-Tribromophenol
 Concen: 135.864 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG039085.D
 Acq: 11 Jan 2019 12:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.7	113.5
141	29.9	24.9	37.3

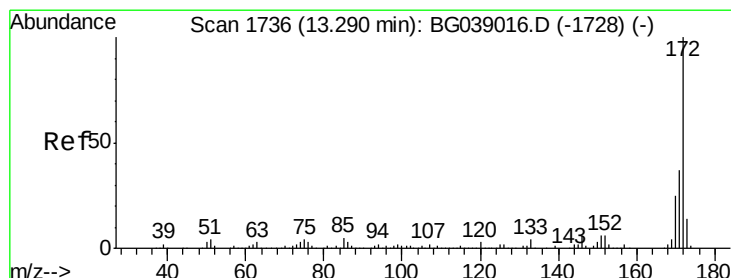
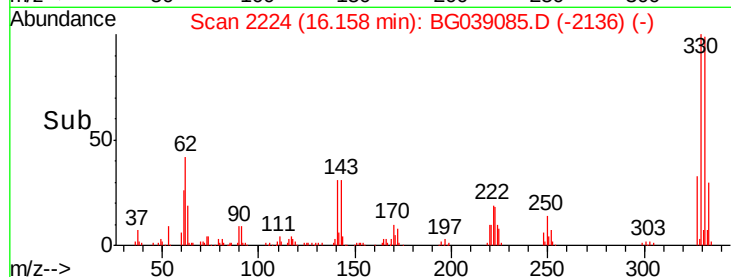
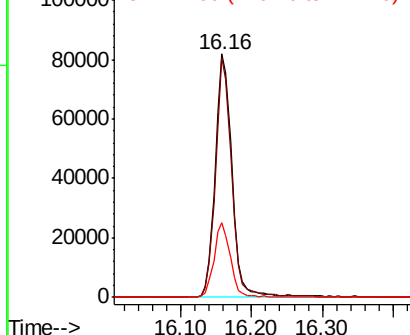


Abundance

Ion 329.80 (329.50 to 330.50): E

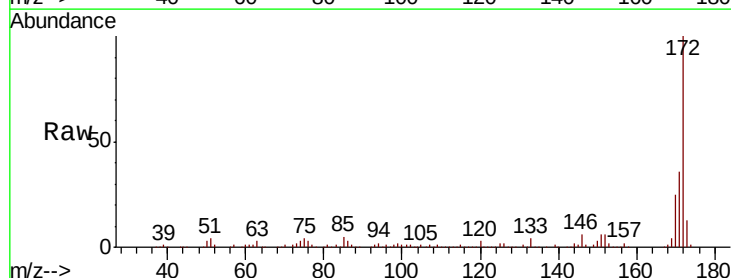
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.055 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039085.D
 Acq: 11 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.8	20.1	30.1

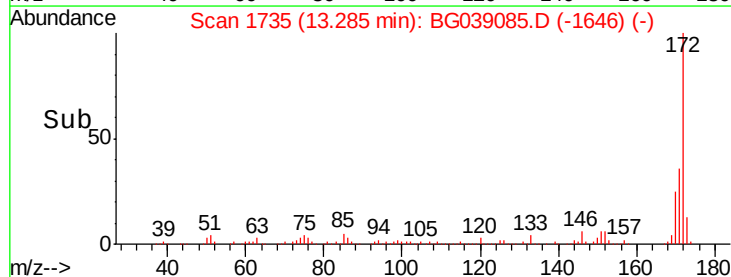
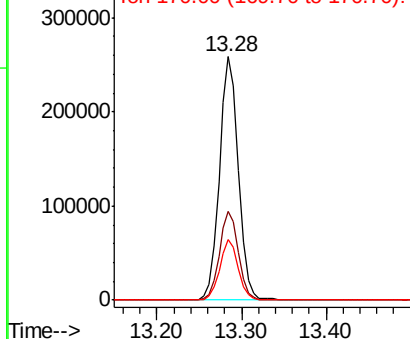


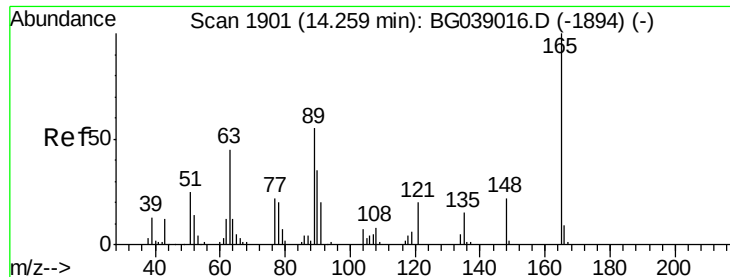
Abundance

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: 6.663 ng

RT: 14.67 min Scan# 1970

Delta R.T. 0.41 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Instrument :

BNA_G

ClientSampleId :

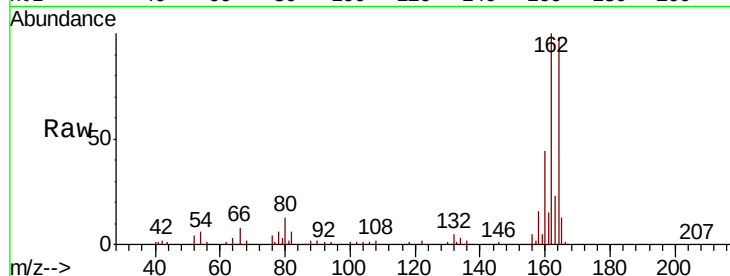
Tot Ion:165 Resp: 7530

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

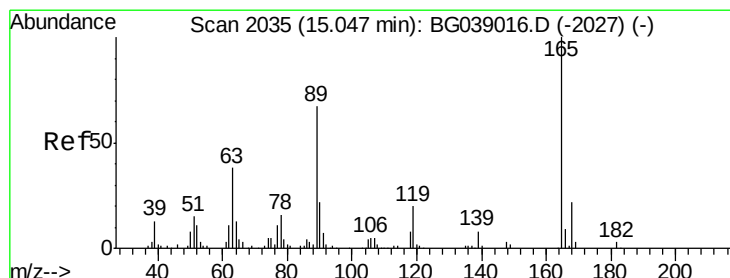
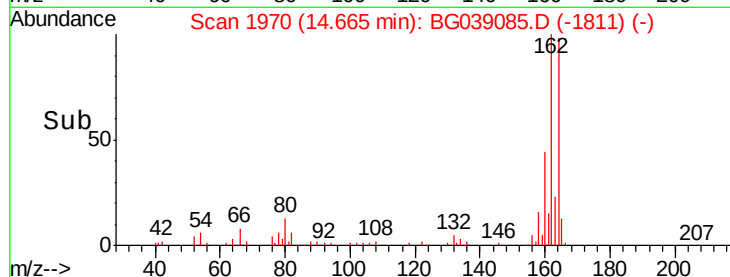
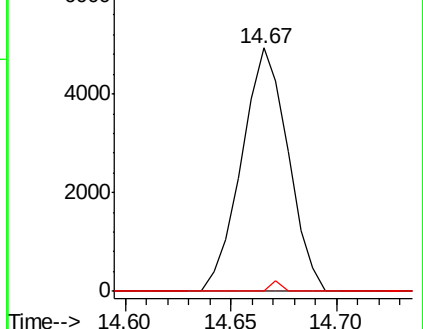
89 0.0 43.7 65.5#



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: 4.644 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.38 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Tgt Ion:165 Resp: 7530

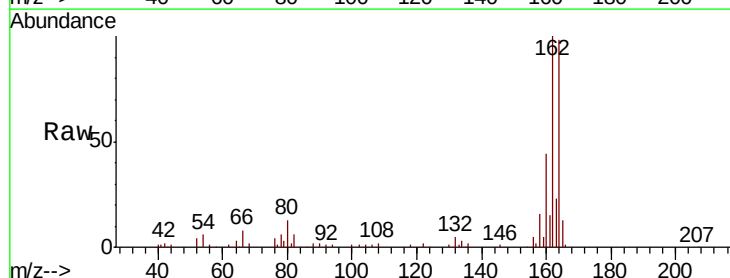
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

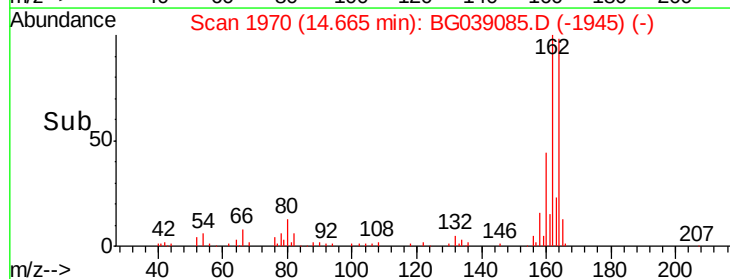
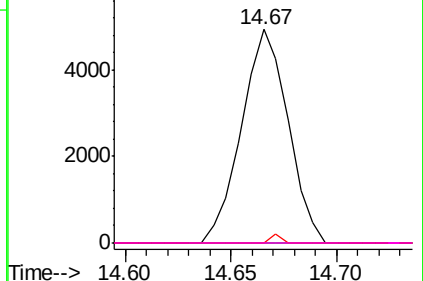


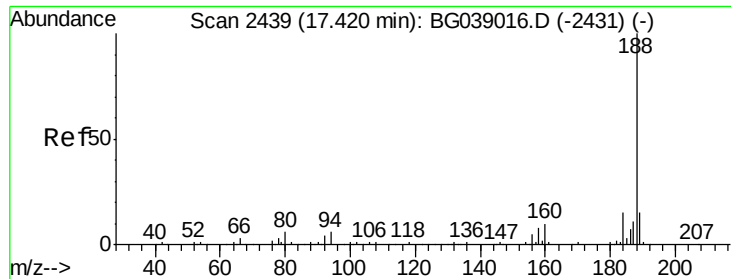
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Instrument :

BNA_G

ClientSampleId :

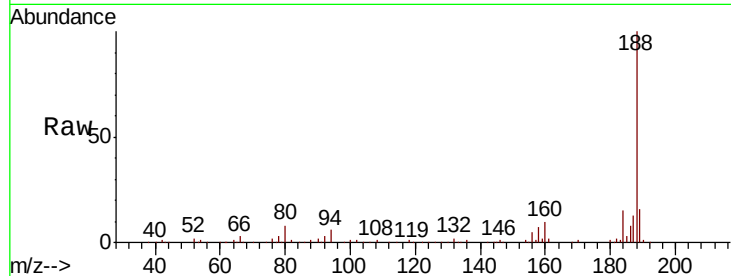
Tot Ion:188 Resp: 157888

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

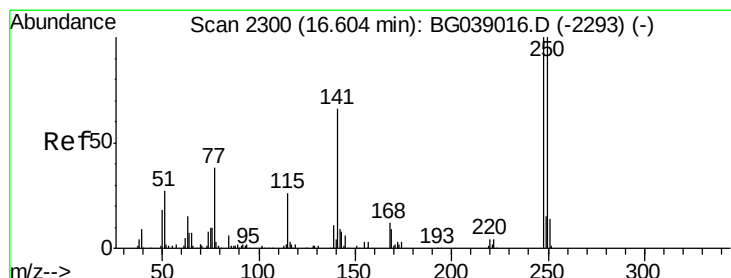
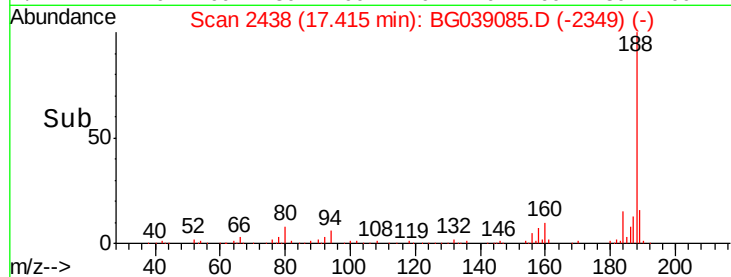
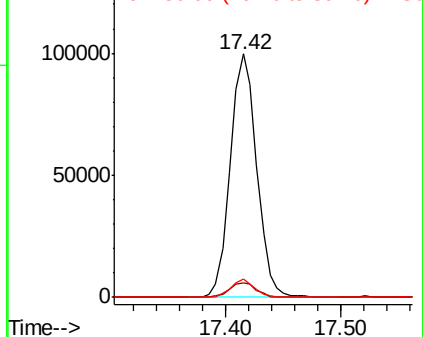
80 7.6 4.7 7.1#



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: 4.296 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

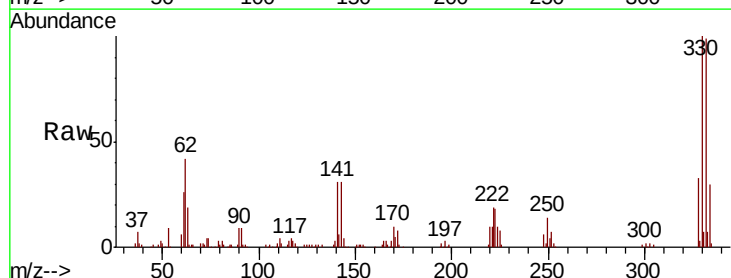
Tgt Ion:248 Resp: 8719

Ion Ratio Lower Upper

248 100

250 207.5 79.9 119.9#

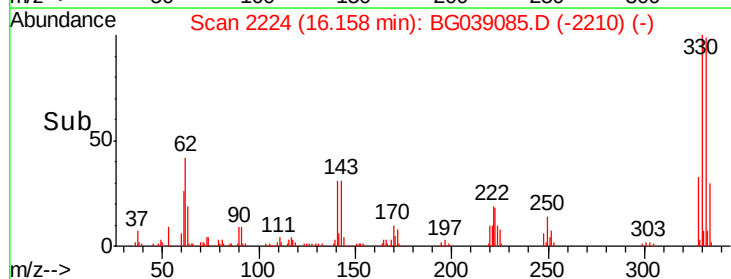
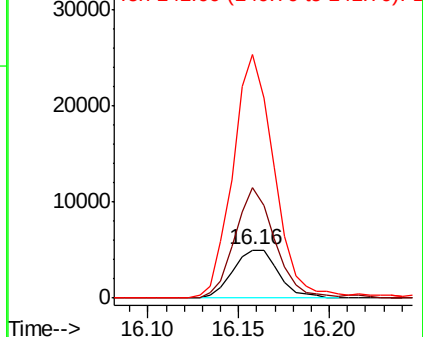
141 365.6 52.7 79.1#

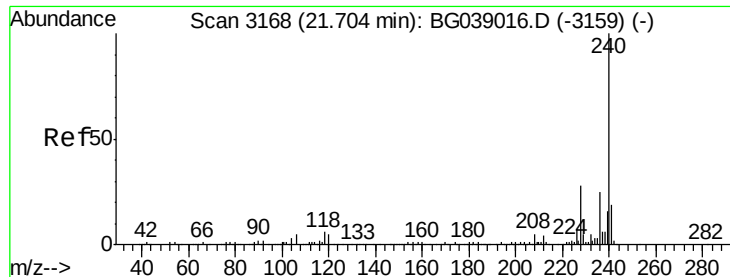


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3166

Delta R.T. -0.01 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Instrument :

BNA_G

ClientSampled :

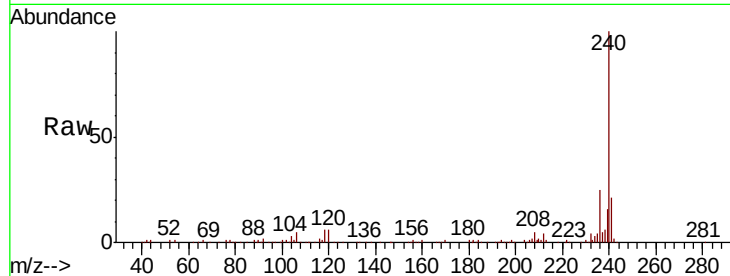
Tot Ion:240 Resp: 174669

Ion Ratio Lower Upper

240 100

120 6.1 4.3 6.5

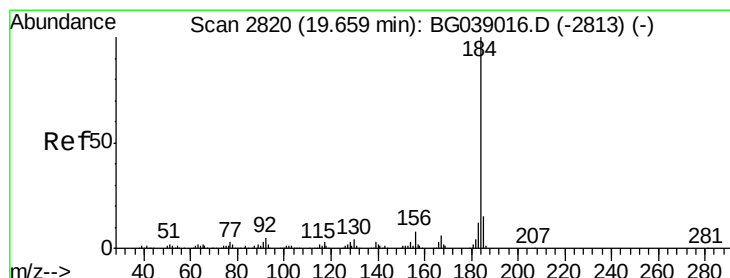
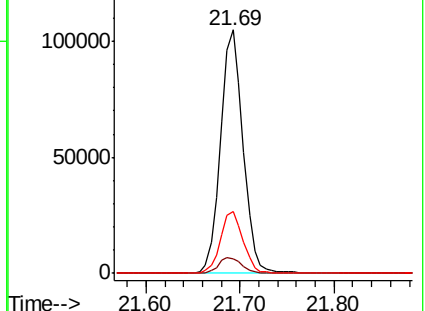
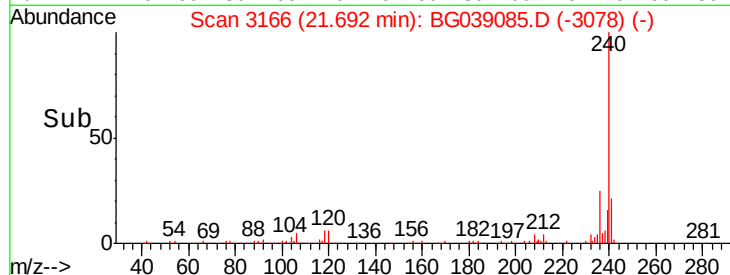
236 25.2 20.1 30.1



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: 2.514 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

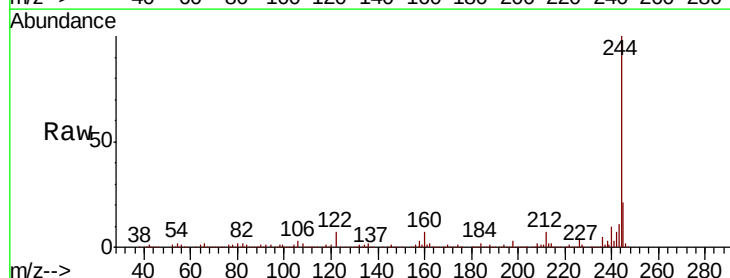
Tgt Ion:184 Resp: 13430

Ion Ratio Lower Upper

184 100

185 18.1 12.1 18.1#

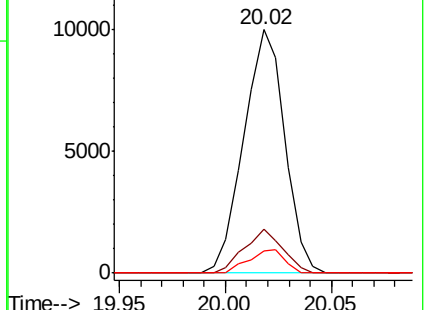
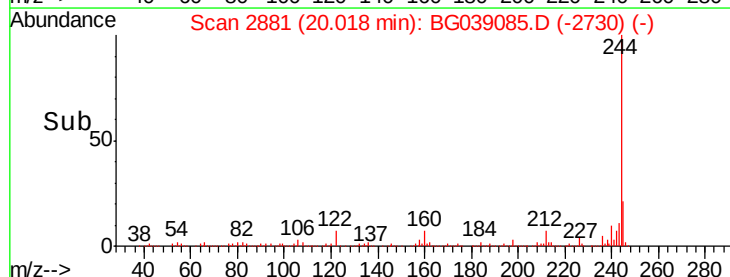
183 9.2 9.5 14.3#

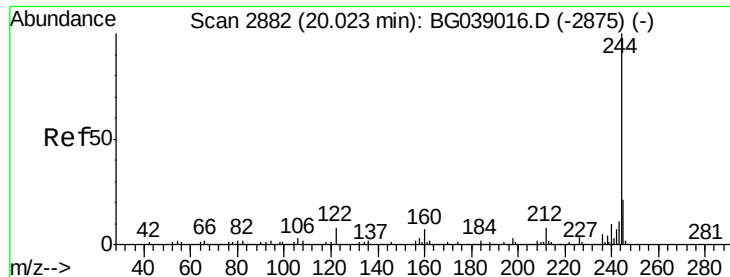


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.134 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

Instrument :

BNA_G

ClientSampleId :

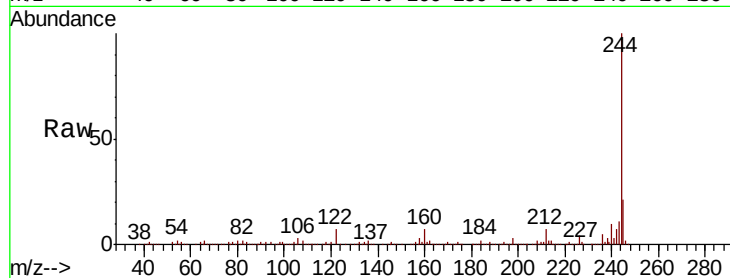
Tot Ion:244 Resp: 851060

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

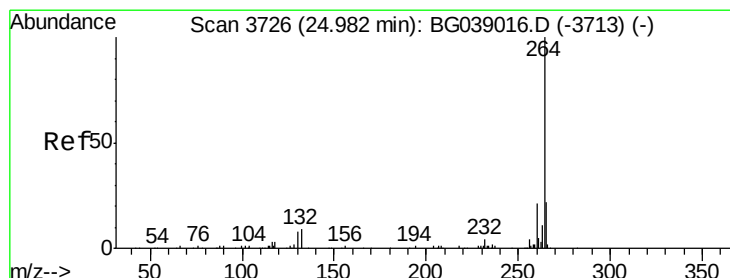
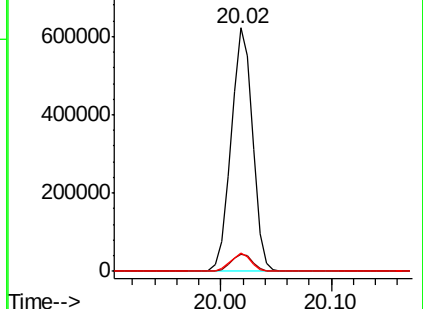
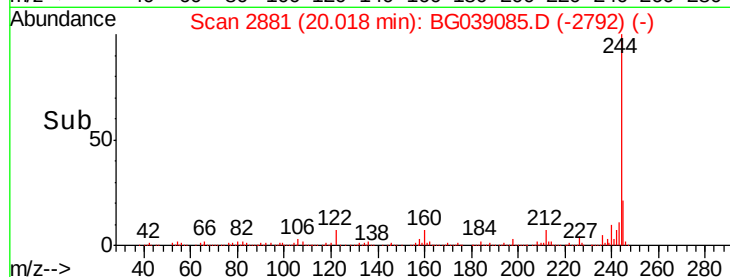
122 7.4 6.1 9.1



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# 3724

Delta R.T. -0.01 min

Lab File: BG039085.D

Acq: 11 Jan 2019 12:17

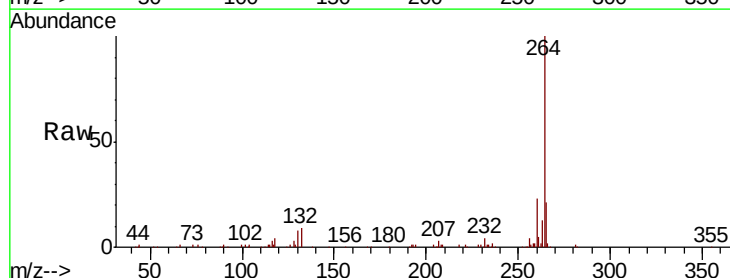
Tgt Ion:264 Resp: 185719

Ion Ratio Lower Upper

264 100

260 23.3 17.0 25.6

265 20.9 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

