

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010919\
 Data File : BG039049.D
 Acq On : 10 Jan 2019 10:51
 Operator : JU/SJ
 Sample : K1006-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-010819-E

Quant Time: Jan 10 13:08:42 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

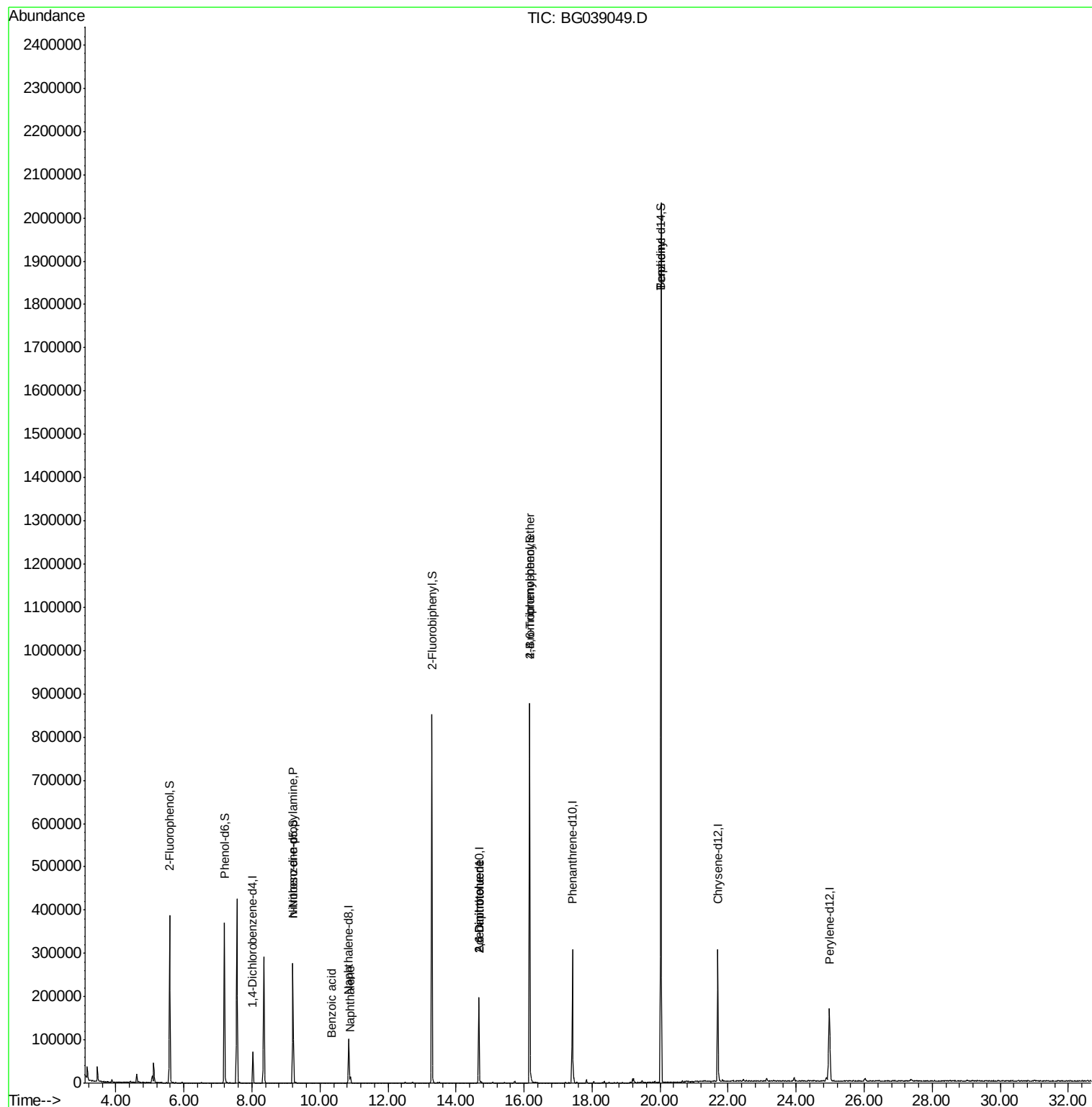
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22795	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	93624	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	70672	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	198275	20.00	ng	0.00
76) Chrysene-d12	21.70	240	197800	20.00	ng	0.00
87) Perylene-d12	24.98	264	213004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	175045	145.67	ng	0.00
7) Phenol-d6	7.19	99	221962	128.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	166533	97.33	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	190050	160.43	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	460501	89.18	ng	0.00
79) Terphenyl-d14	20.02	244	1027566	96.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	21351	18.801	ng	Qvalue 66
31) Naphthalene	10.90	128	13021	2.773	ng	96
32) Benzoic acid	10.35	122	55	9.502	ng	# 1
51) 2,6-Dinitrotoluene	14.67	165	8965	6.714	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	8965	4.680	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	12760	5.006	ng	# 1
77) Benzidine	20.02	184	16887	2.791	ng	# 93

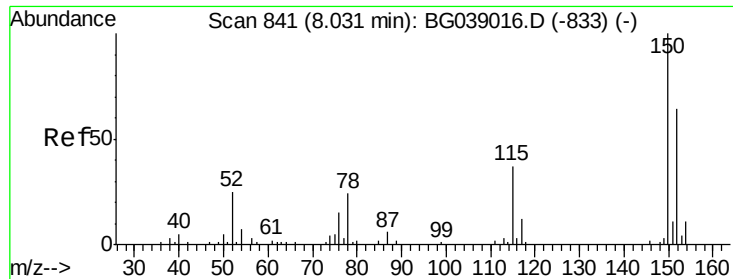
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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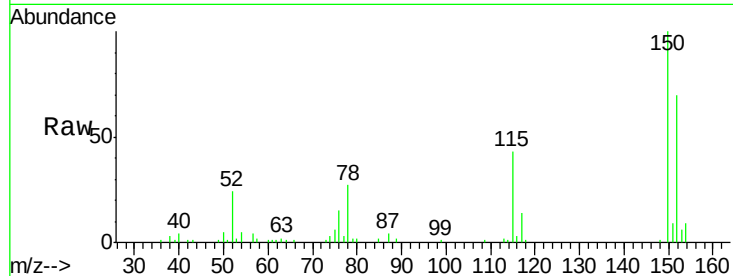


#1

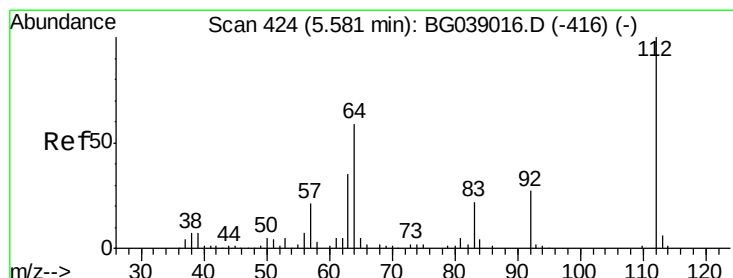
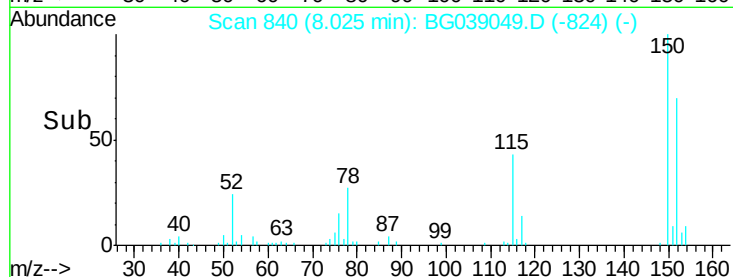
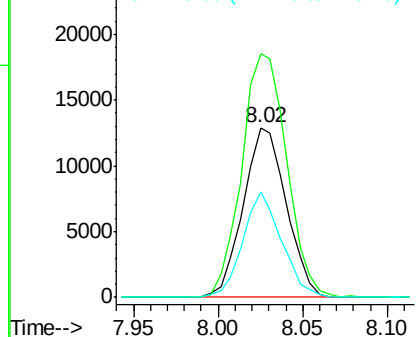
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Instrument :
BNA_G
ClientSampleId :
JC-03-010819-E

Tgt Ion:152 Resp: 22795
Ion Ratio Lower Upper
152 100
150 143.3 124.7 187.1
115 61.9 46.5 69.7



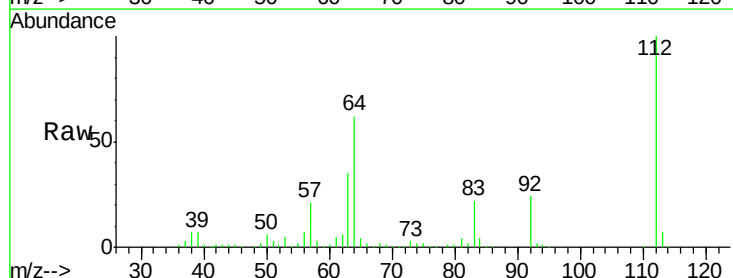
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



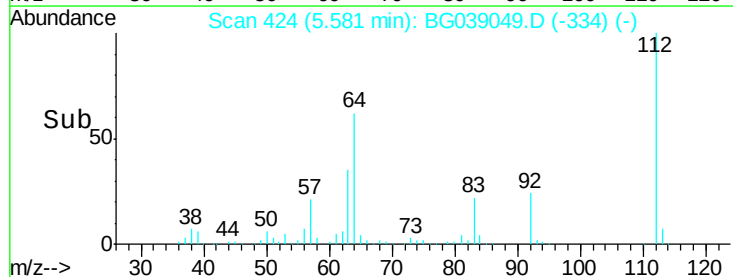
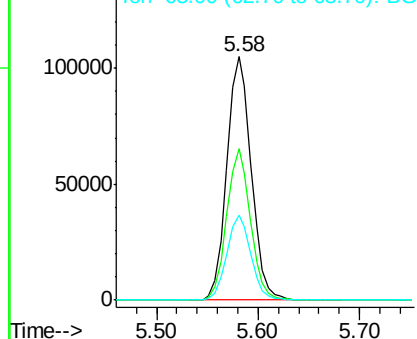
#5

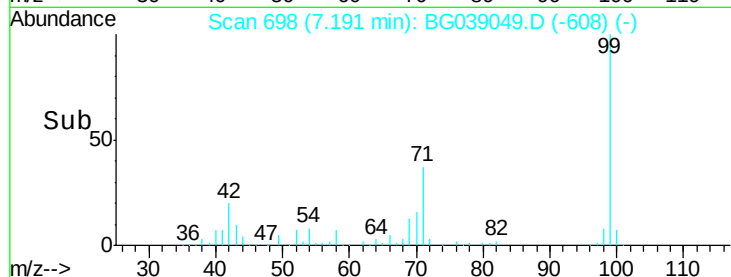
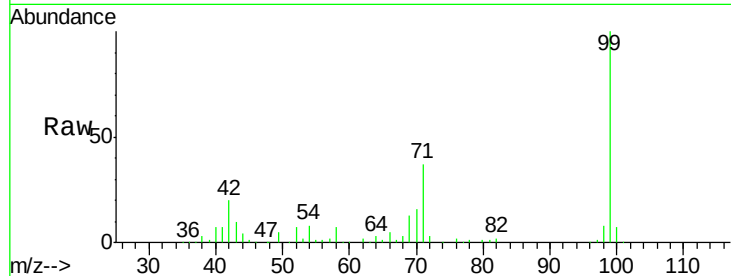
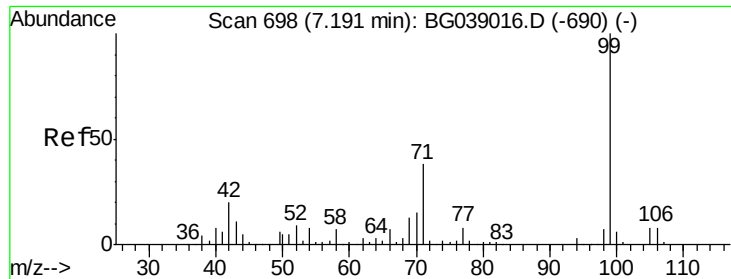
2-Fluorophenol
Concen: 145.671 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:112 Resp: 175045
Ion Ratio Lower Upper
112 100
64 62.3 47.0 70.6
63 34.9 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 128.352 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

Instrument :

BNA_G

ClientSampleId :

JC-03-010819-E

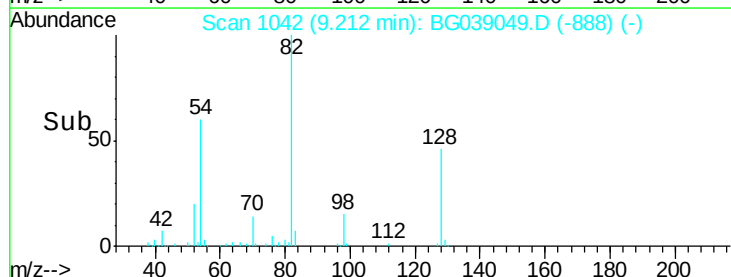
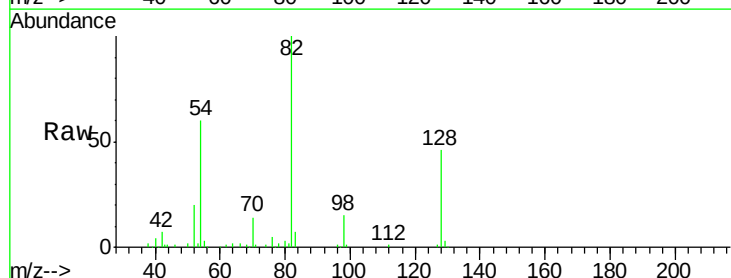
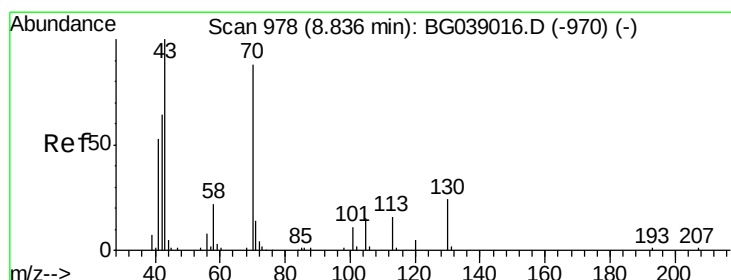
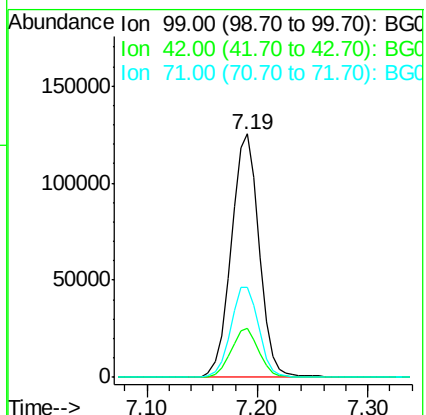
Tgt Ion: 99 Resp: 221962

Ion Ratio Lower Upper

99 100

42 20.1 15.8 23.6

71 37.0 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.801 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.38 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

Tgt Ion: 70 Resp: 21351

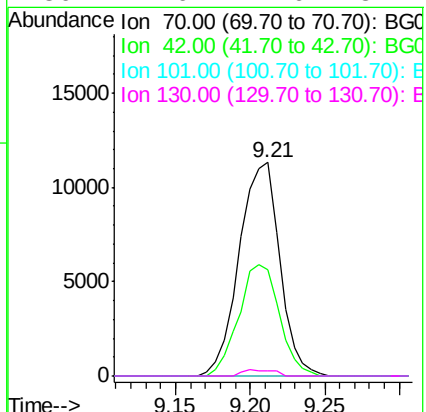
Ion Ratio Lower Upper

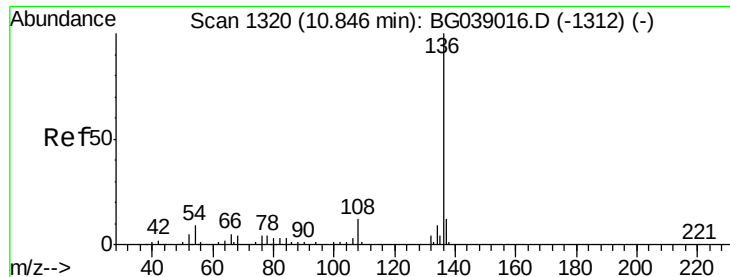
70 100

42 49.5 59.0 88.4#

101 0.0 10.4 15.6#

130 2.6 21.6 32.4#

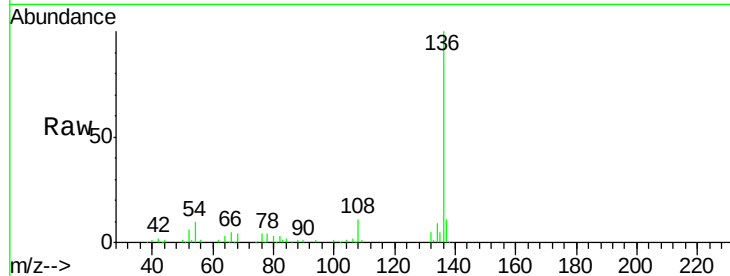




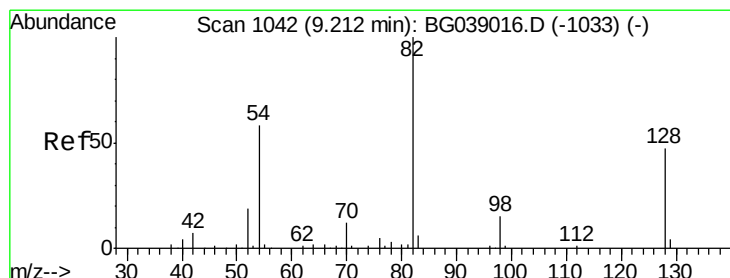
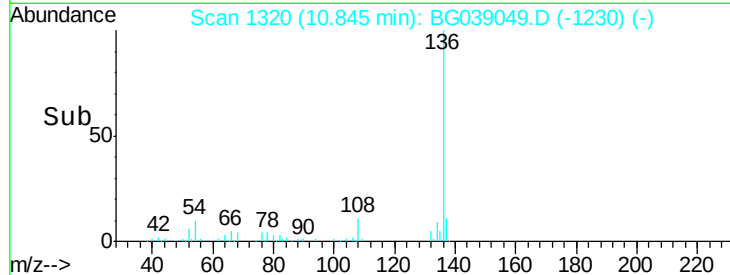
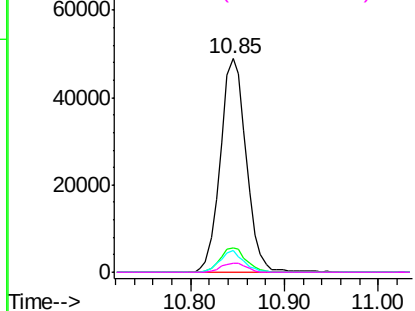
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Instrument :
BNA_G
ClientSampleId :
JC-03-010819-E

Tgt Ion:	136	Resp:	93624
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.2
54	10.0	7.2	10.8
68	4.3	3.5	5.3

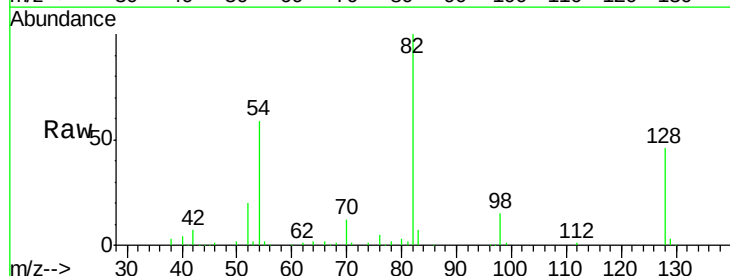


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

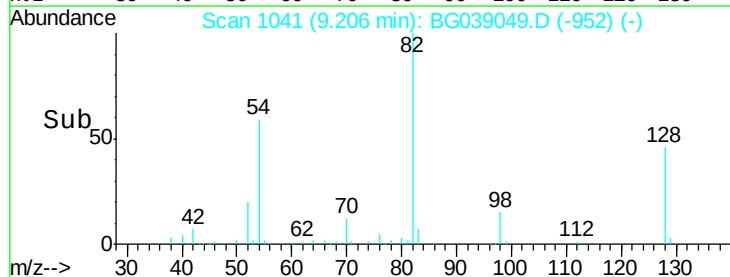
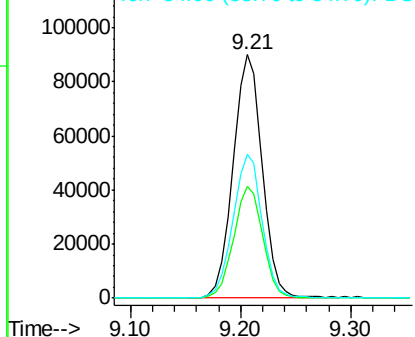


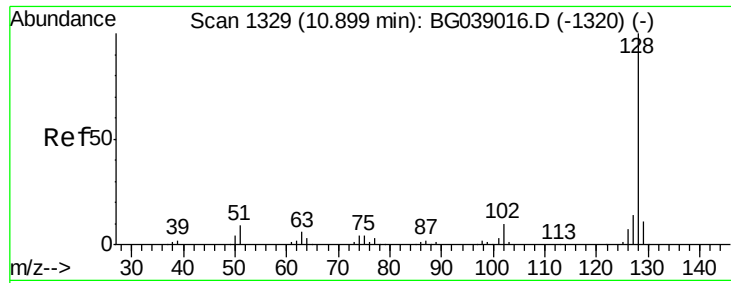
#23
Nitrobenzene-d5
Concen: 97.332 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:	82	Resp:	166533
Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.3	55.9
54	58.9	46.4	69.6



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

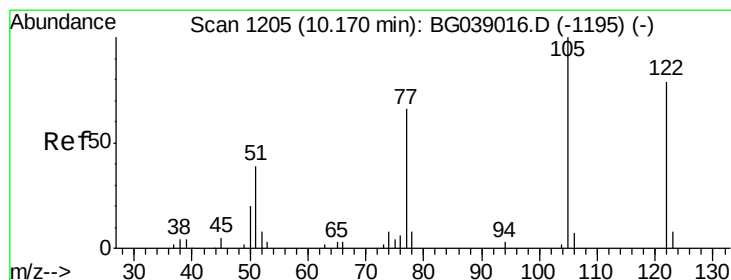
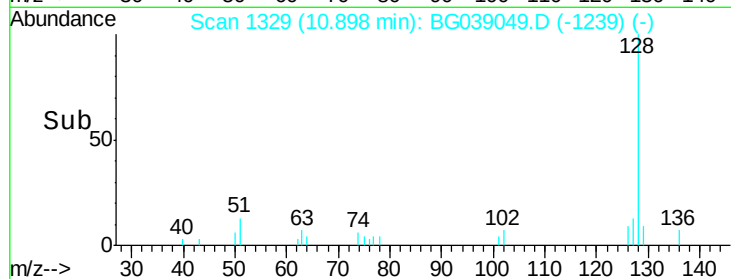
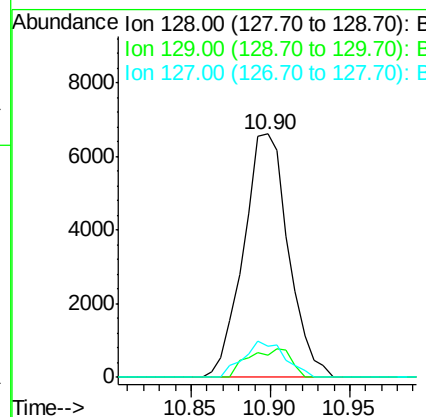
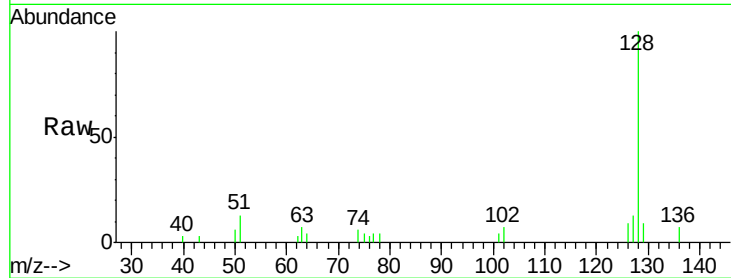




#31
Naphthalene
Concen: 2.773 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

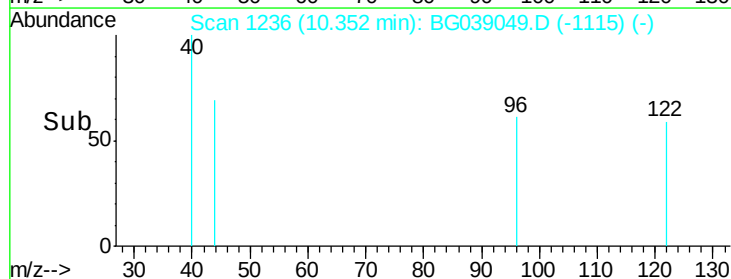
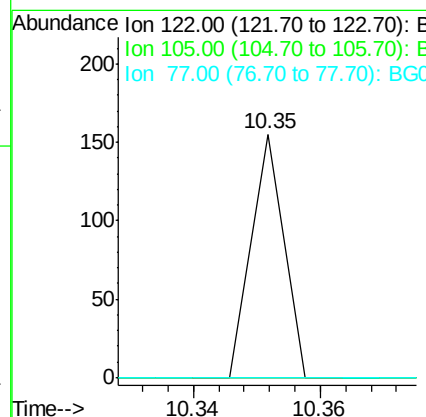
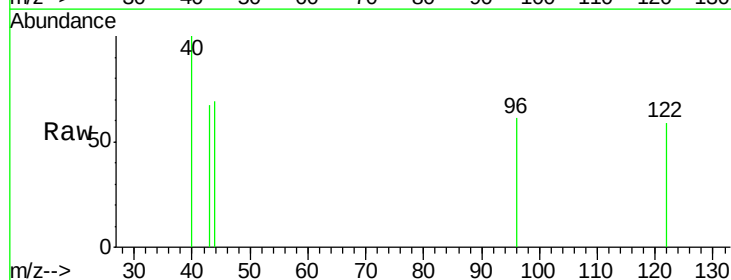
Instrument :
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ClientSampleId :
JC-03-010819-E

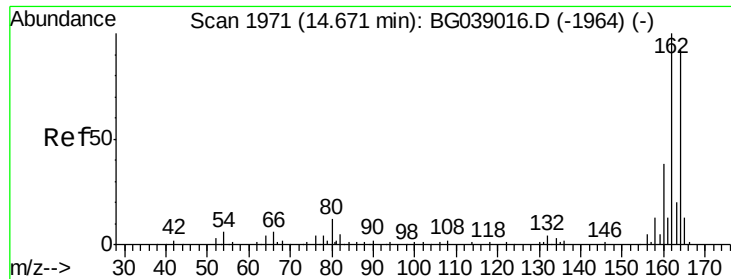
Tgt Ion:128 Resp: 13021
Ion Ratio Lower Upper
128 100
129 9.1 9.1 13.7
127 12.7 11.2 16.8



#32
Benzoic acid
Concen: 9.502 ng
RT: 10.35 min Scan# 1236
Delta R.T. 0.18 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 0.0 63.6 103.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

Instrument :

BNA_G

ClientSampleId :

JC-03-010819-E

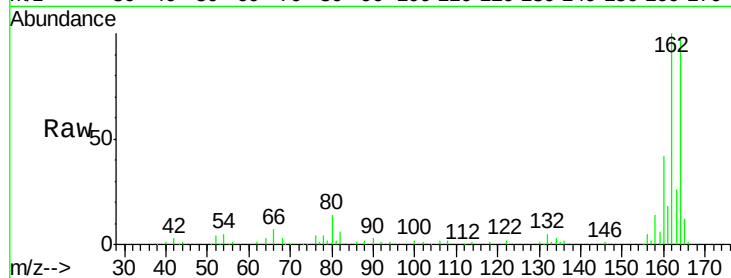
Tgt Ion:164 Resp: 70672

Ion Ratio Lower Upper

164 100

162 102.5 87.2 130.8

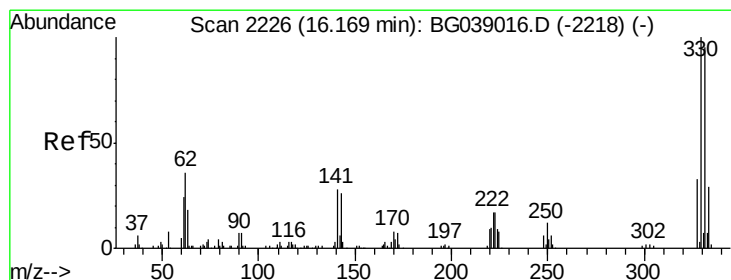
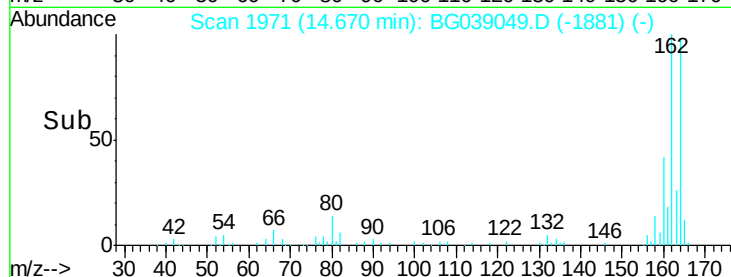
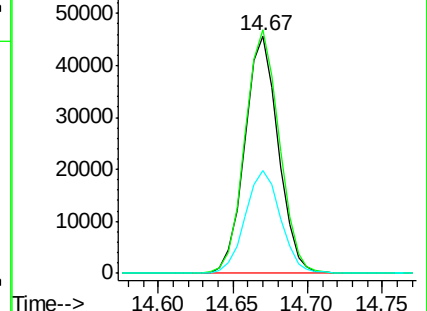
160 43.5 33.3 49.9



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: 160.426 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

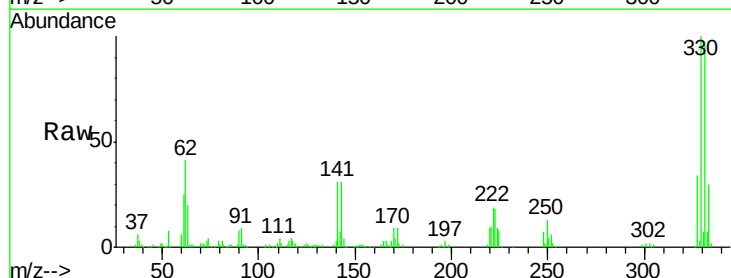
Tgt Ion:330 Resp: 190050

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

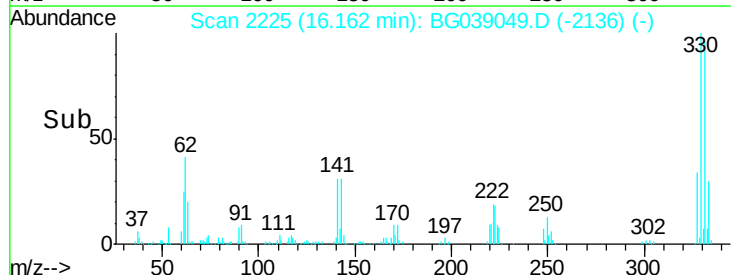
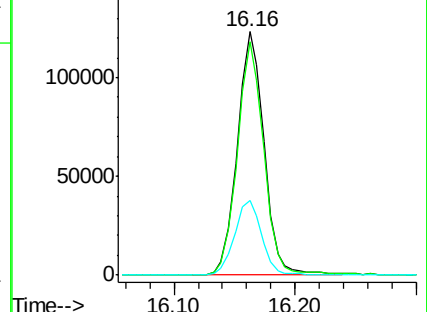
141 31.6 24.9 37.3

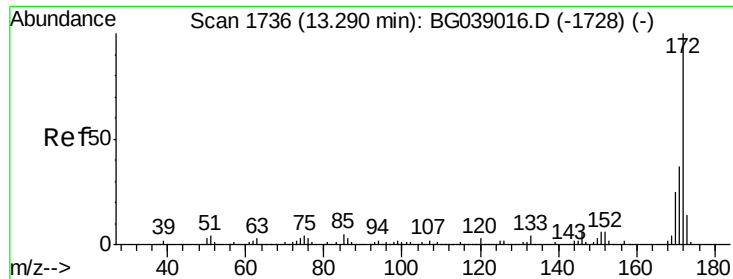


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

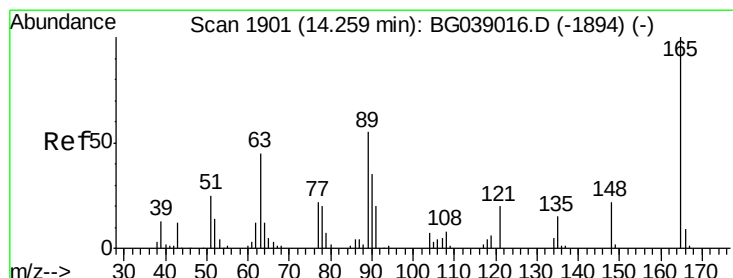
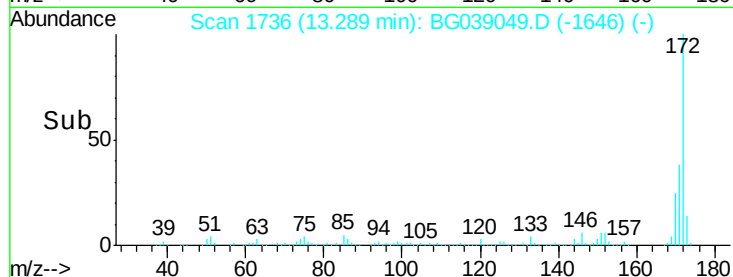
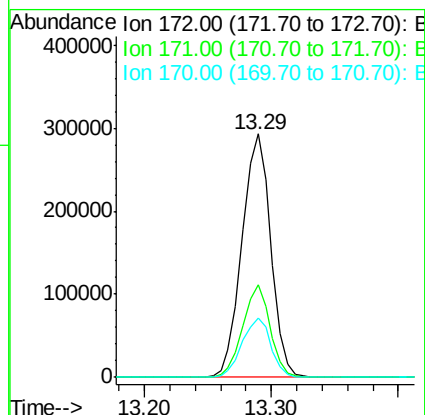
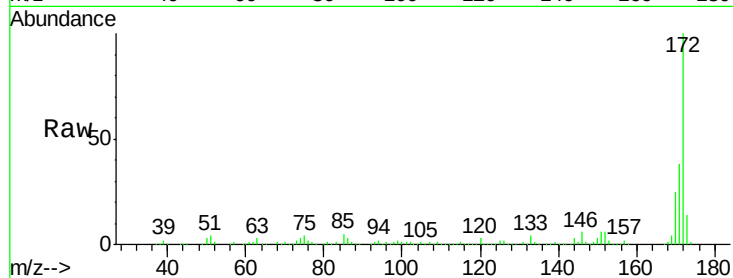




#45
 2-Fluorobiphenyl
 Concen: 89.176 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

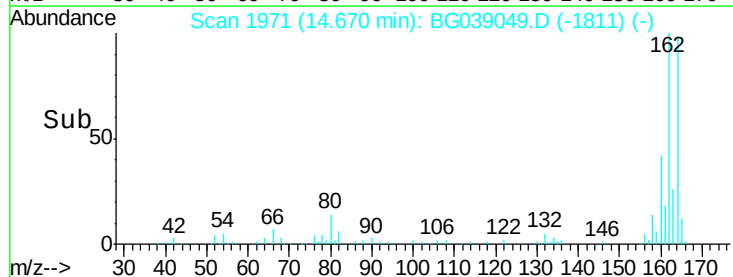
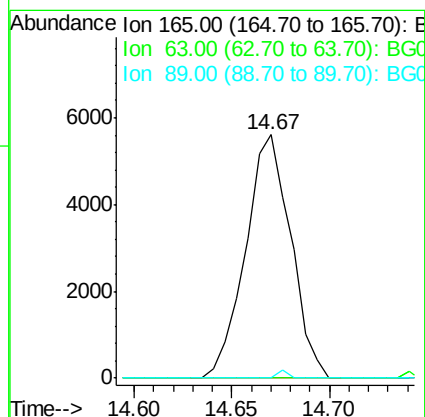
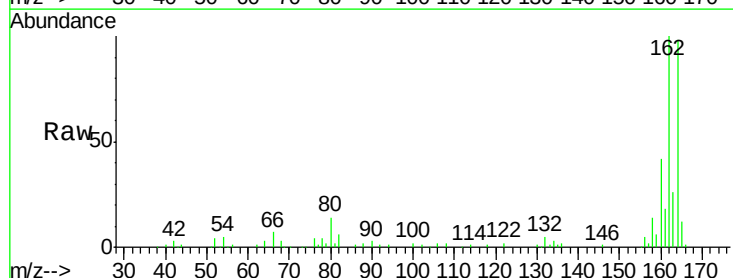
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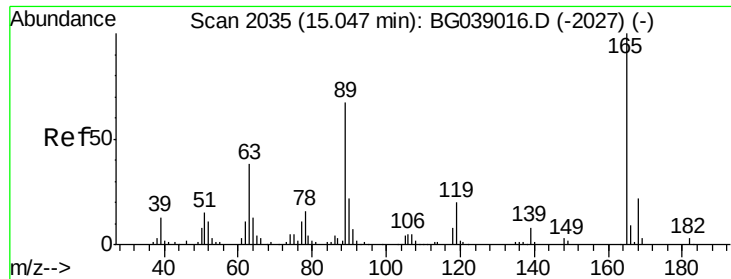
Tgt Ion:	172	Resp:	460501
Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.4	44.0
170	24.6	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.714 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

Tgt Ion:	165	Resp:	8965
Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#

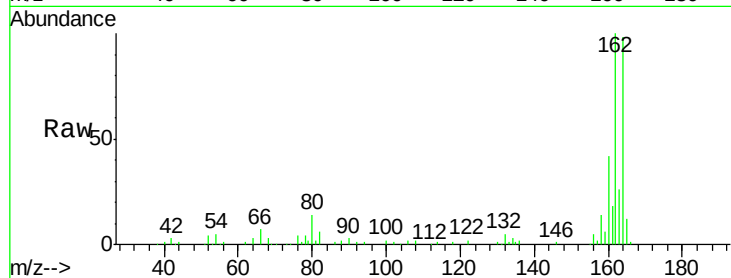




#57
 2,4-Dinitrotoluene
 Concen: 4.680 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-010819-E

Tgt Ion:	165	Resp:	8965
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#

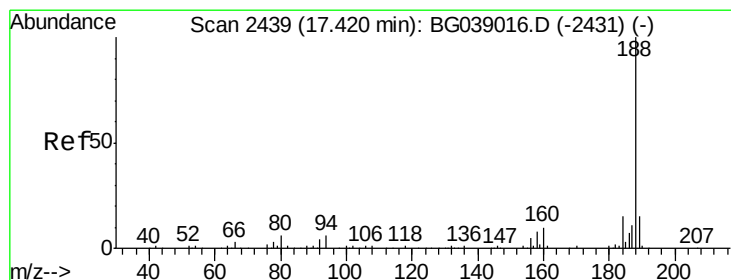
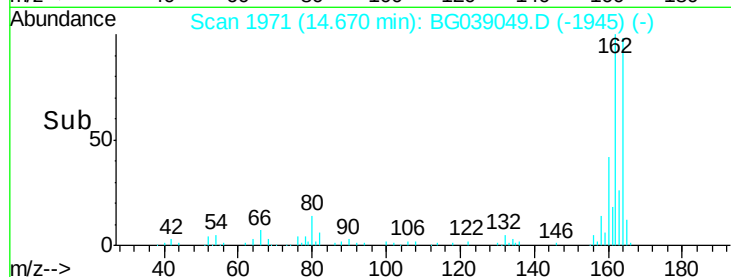
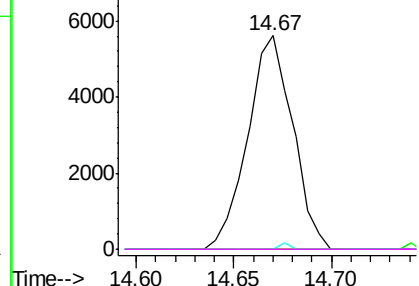


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

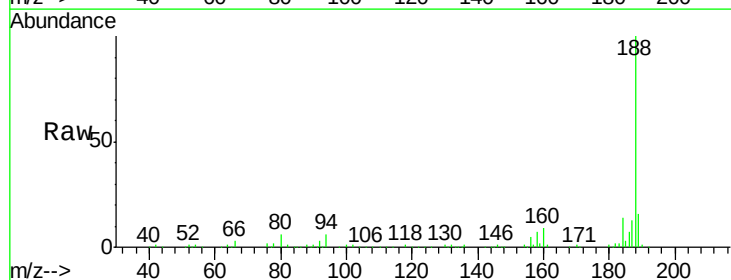
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

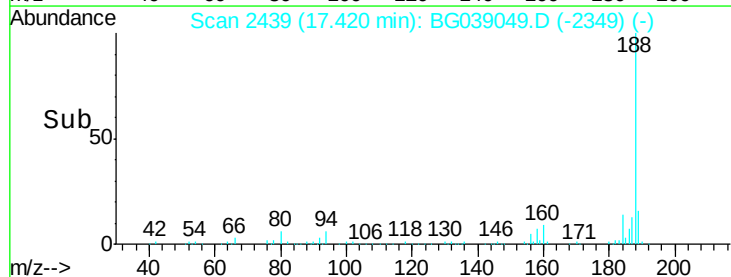
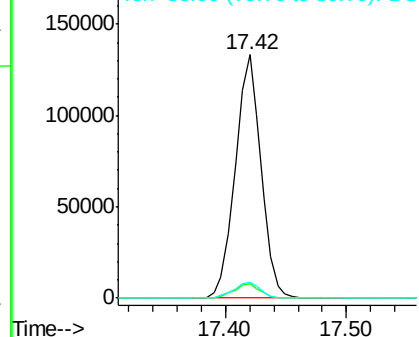
Tgt Ion:	188	Resp:	198275
Ion Ratio	Lower	Upper	
188	100		
94	6.0	5.0	7.4
80	6.3	4.7	7.1

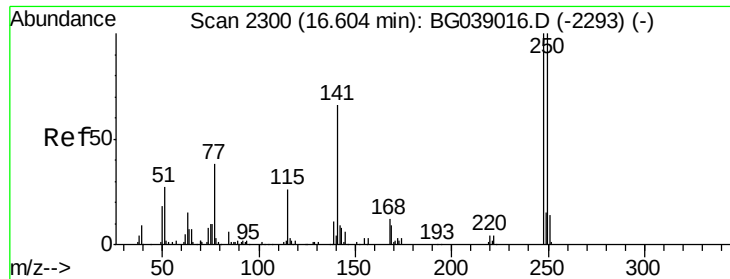


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

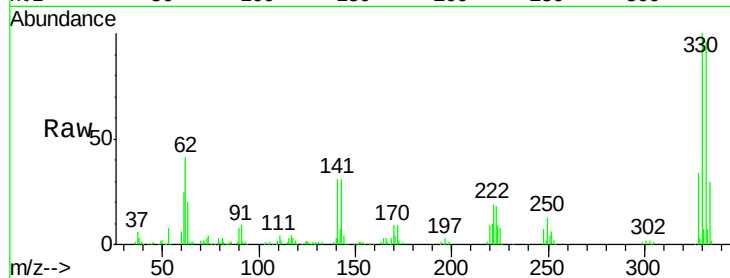




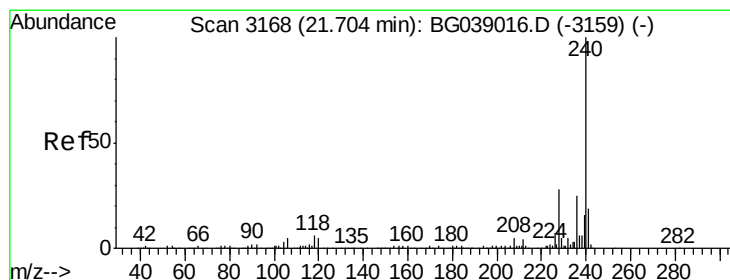
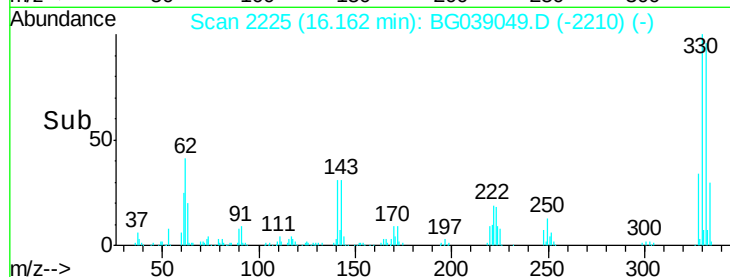
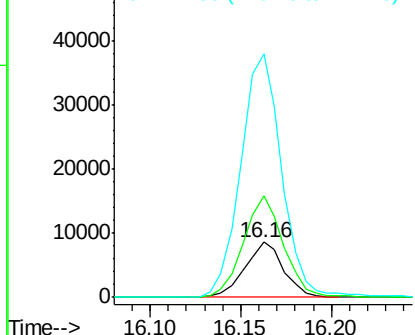
#67
 4-Bromophenyl-phenylether
 Concen: 5.006 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-010819-E

Tgt Ion:248 Resp: 12760
 Ion Ratio Lower Upper
 248 100
 250 188.4 79.9 119.9#
 141 337.7 52.7 79.1#

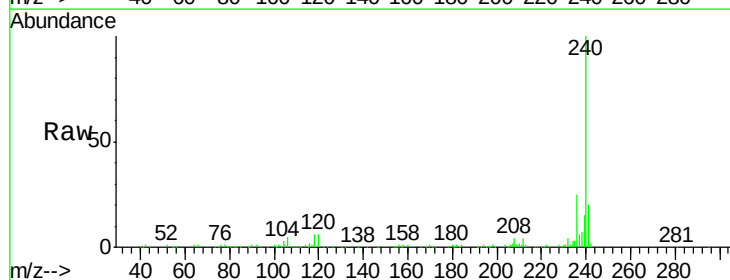


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

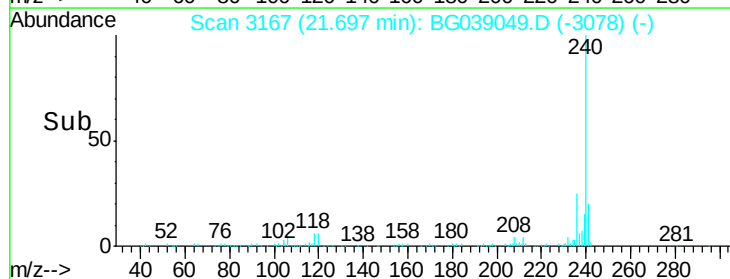
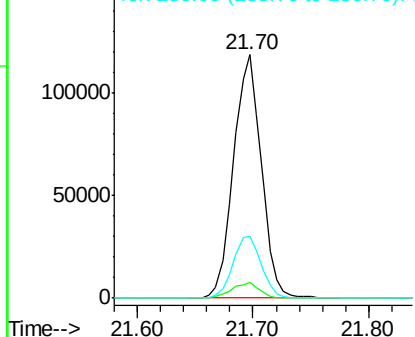


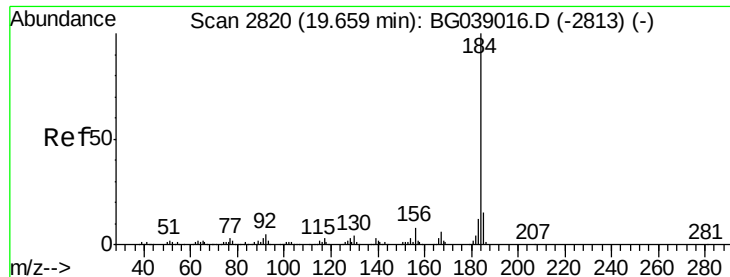
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.01 min
 Lab File: BG039049.D
 Acq: 10 Jan 2019 10:51

Tgt Ion:240 Resp: 197800
 Ion Ratio Lower Upper
 240 100
 120 6.4 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: 2.791 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

Instrument :

BNA_G

ClientSampleId :

JC-03-010819-E

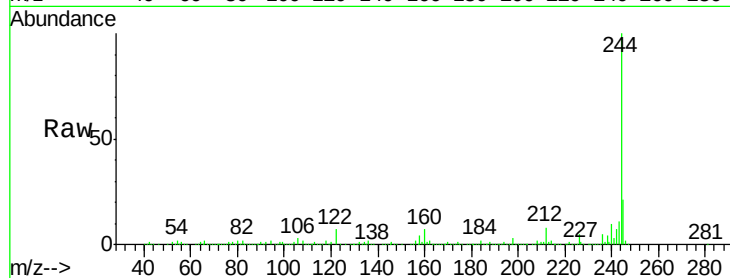
Tgt Ion:184 Resp: 16887

Ion Ratio Lower Upper

184 100

185 16.3 12.1 18.1

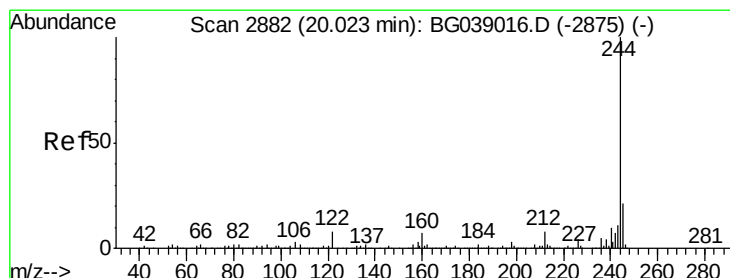
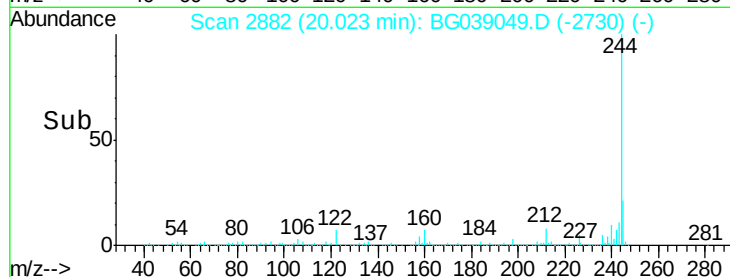
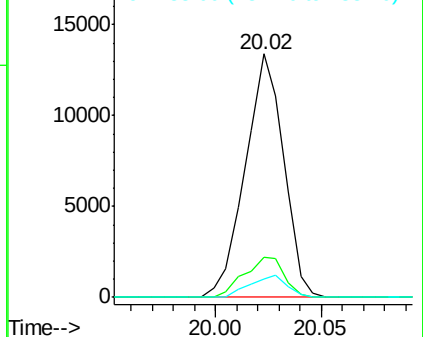
183 7.3 9.5 14.3#



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: 96.101 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039049.D

Acq: 10 Jan 2019 10:51

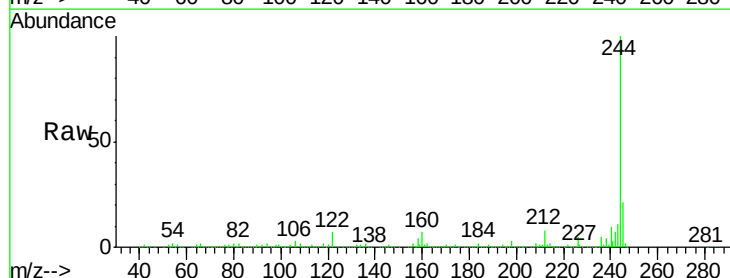
Tgt Ion:244 Resp: 1027566

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

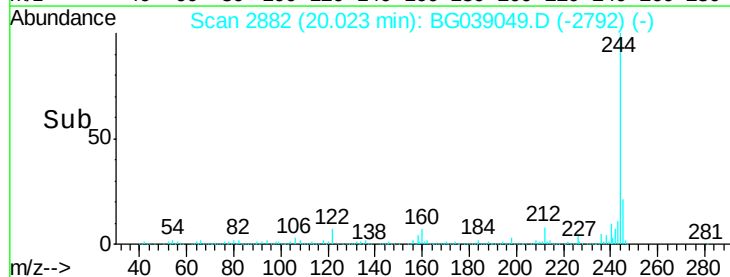
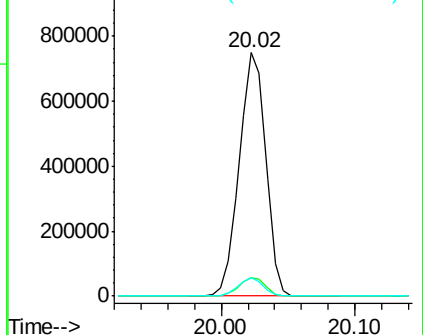
122 7.5 6.1 9.1

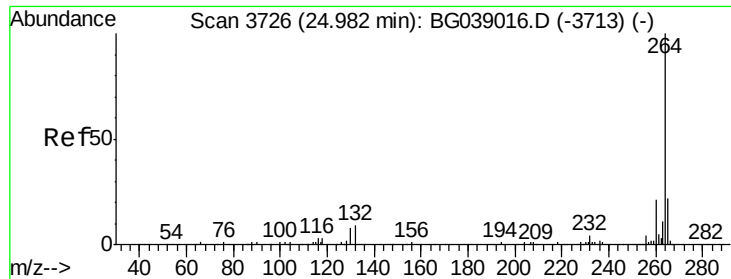


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

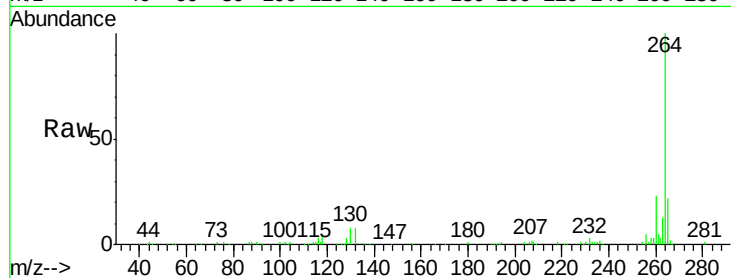




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.01 min
Lab File: BG039049.D
Acq: 10 Jan 2019 10:51

Instrument :
BNA_G
ClientSampleId :
JC-03-010819-E

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.0	25.6
265	21.7	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

