

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039064.D
 Acq On : 10 Jan 2019 22:35
 Operator : JU/SJ
 Sample : K1087-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 05:12:23 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

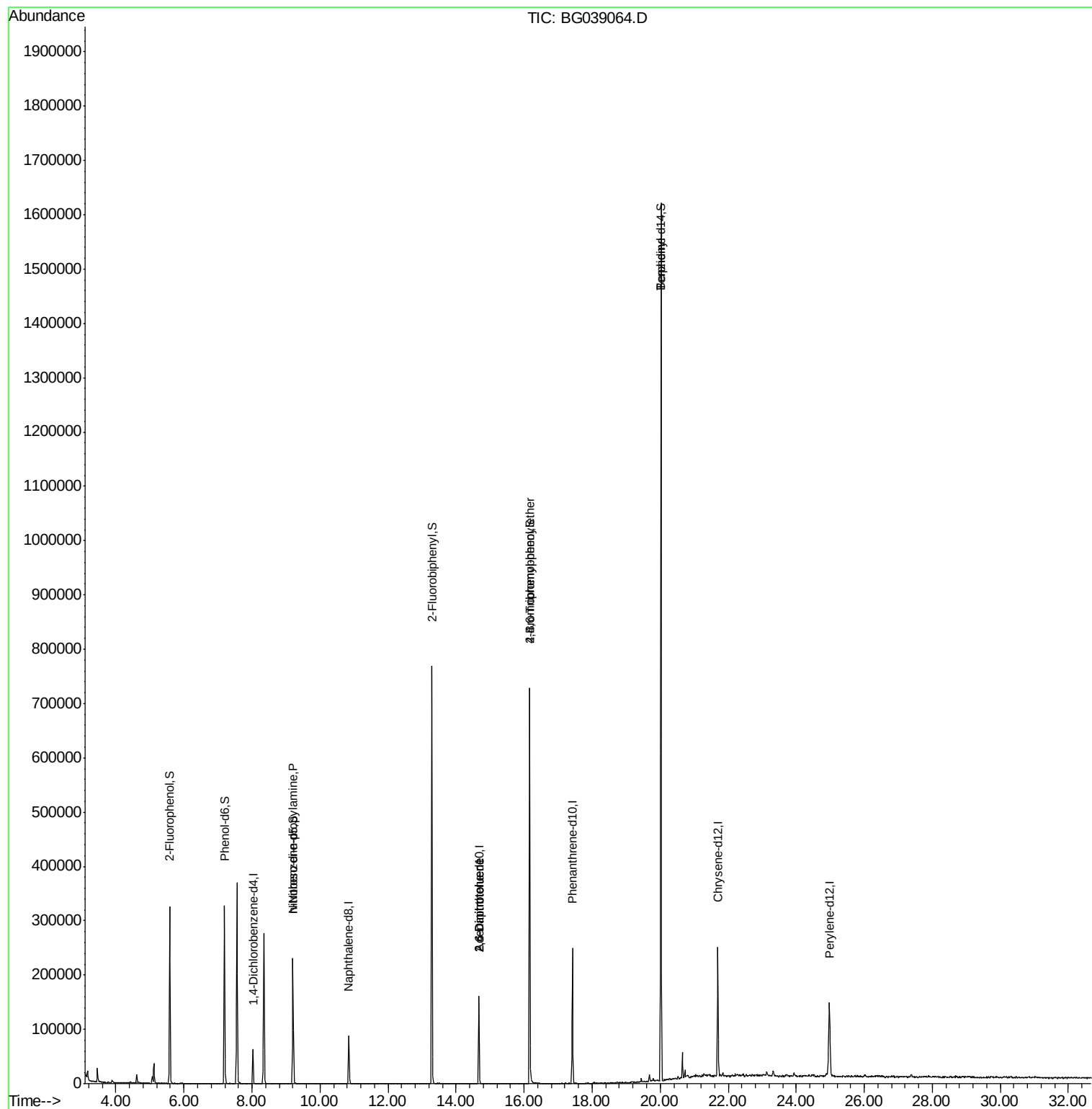
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	19613	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	80415	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	58720	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	159676	20.00	ng	0.00
76) Chrysene-d12	21.70	240	152605	20.00	ng	0.00
87) Perylene-d12	24.97	264	166779	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	149220	144.33	ng	0.00
7) Phenol-d6	7.19	99	186554	125.38	ng	0.00
23) Nitrobenzene-d5	9.20	82	140155	95.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	162176	164.76	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	424912	99.03	ng	0.00
79) Terphenyl-d14	20.02	244	816947	99.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	18806	19.247	ng	# 68
51) 2,6-Dinitrotoluene	14.67	165	7334	6.611	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	7334	4.608	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	10546	5.138	ng	# 1
77) Benzidine	20.02	184	12698	2.720	ng	# 93

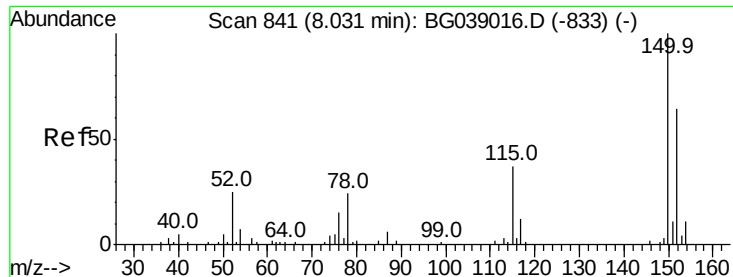
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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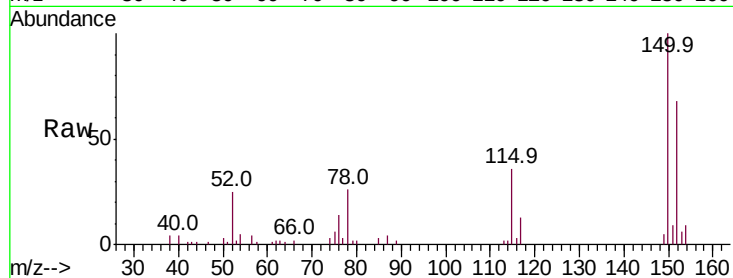


#1

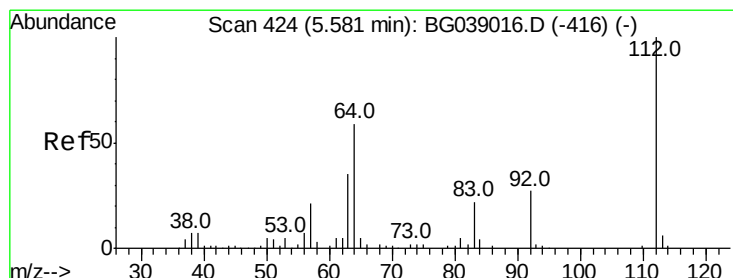
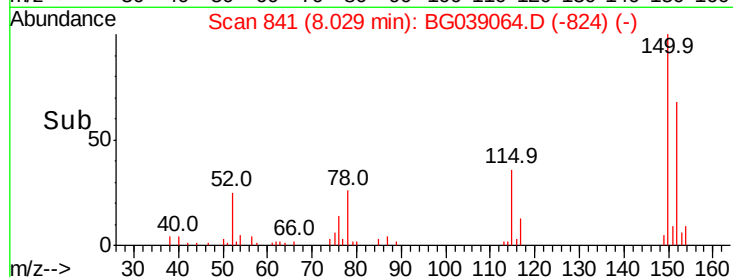
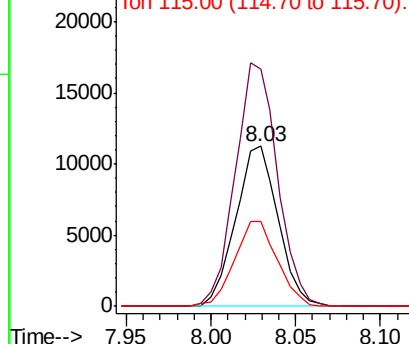
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 19613
Ion Ratio Lower Upper
152 100
150 147.6 124.7 187.1
115 52.9 46.5 69.7



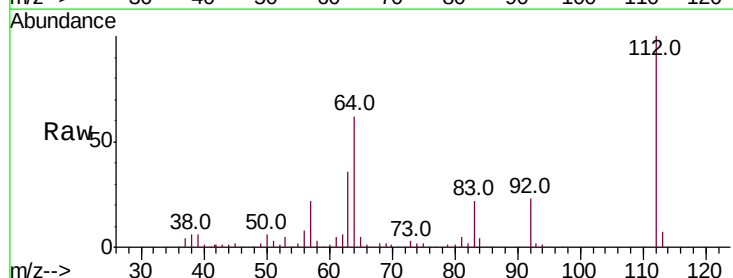
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



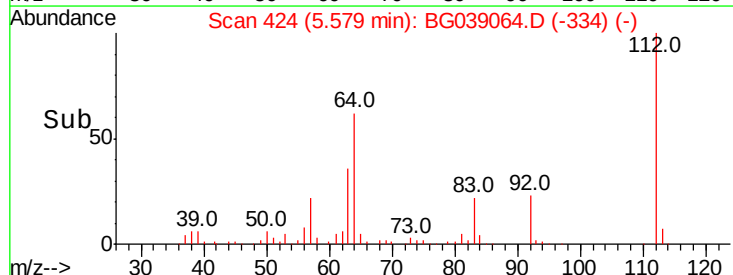
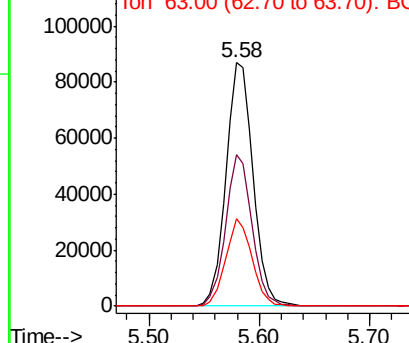
#5

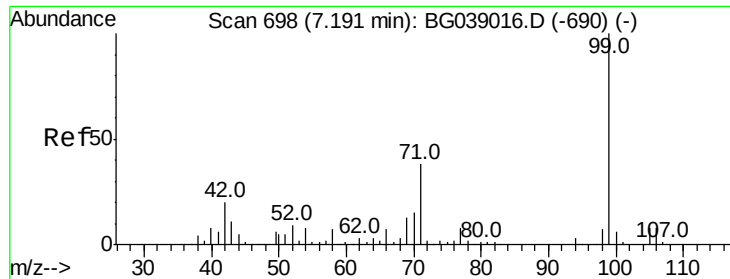
2-Fluorophenol
Concen: 144.327 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Tgt Ion:112 Resp: 149220
Ion Ratio Lower Upper
112 100
64 62.2 47.0 70.6
63 36.1 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: 125.379 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039064.D

Acq: 10 Jan 2019 22:35

Instrument :

BNA_G

ClientSampled :

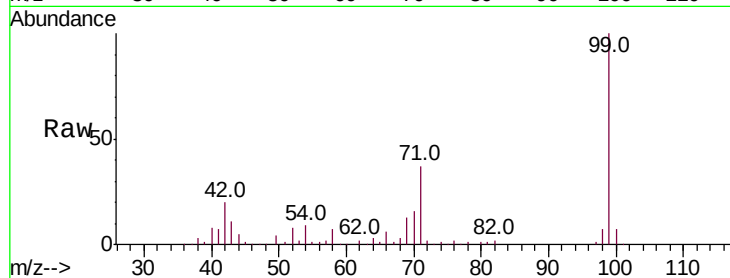
Tot Ion: 99 Resp: 186554

Ion Ratio Lower Upper

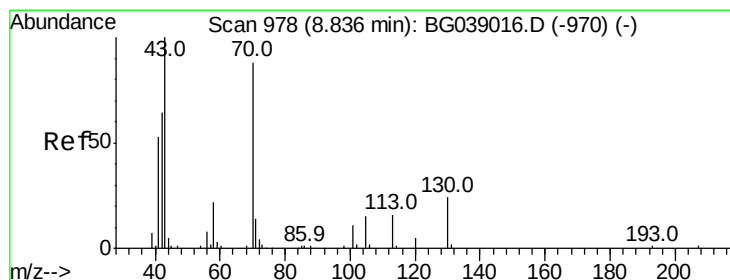
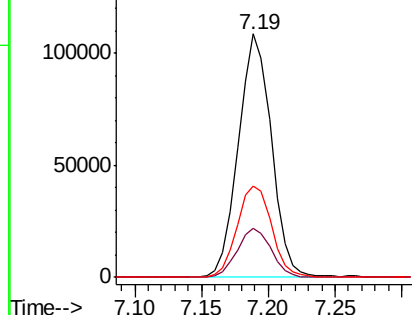
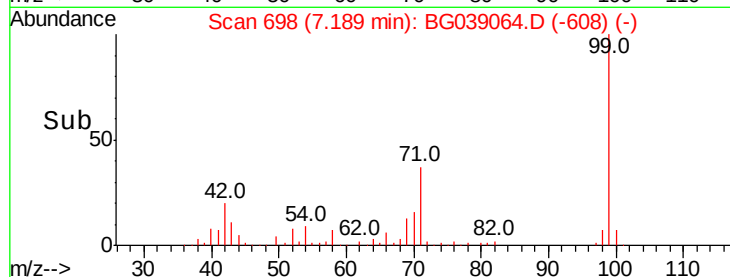
99 100

42 20.2 15.8 23.6

71 37.5 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: 19.247 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039064.D

Acq: 10 Jan 2019 22:35

Tgt Ion: 70 Resp: 18806

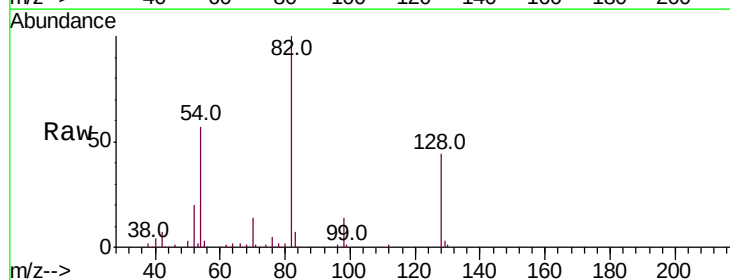
Ion Ratio Lower Upper

70 100

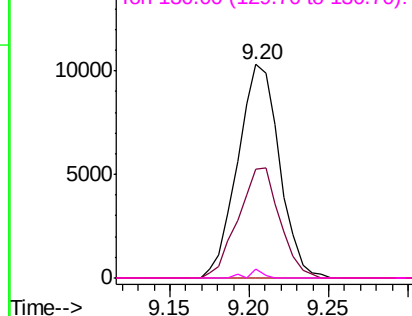
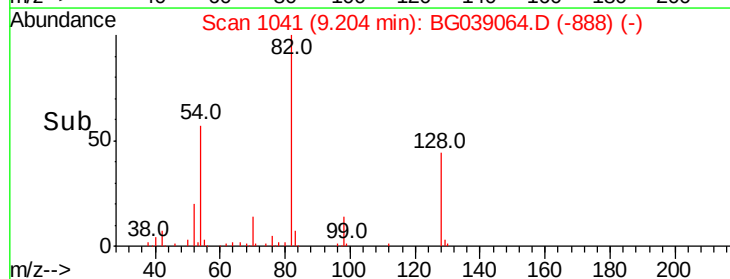
42 50.8 59.0 88.4#

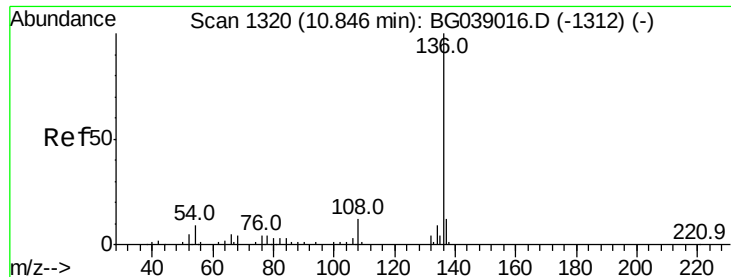
101 0.0 10.4 15.6#

130 4.0 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

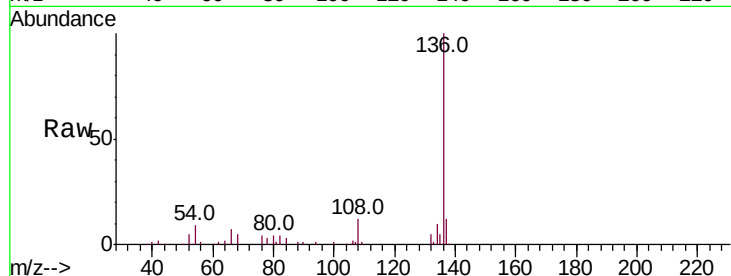




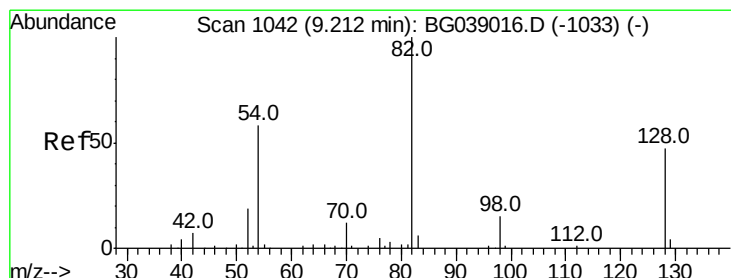
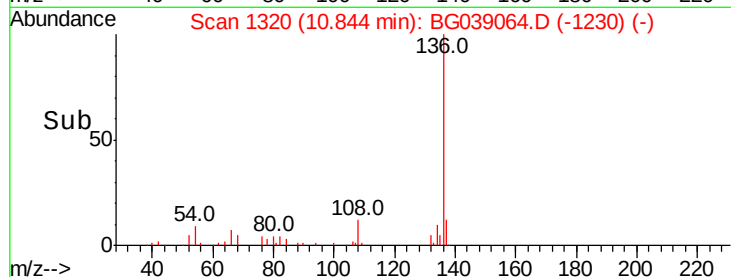
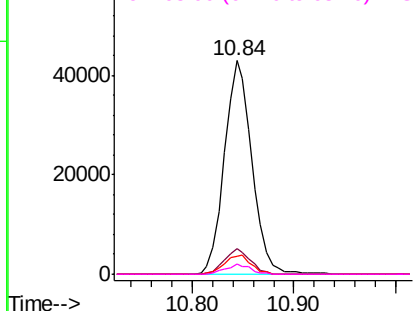
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	80415
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.4 14.2
54	8.6	7.2 10.8
68	4.5	3.5 5.3

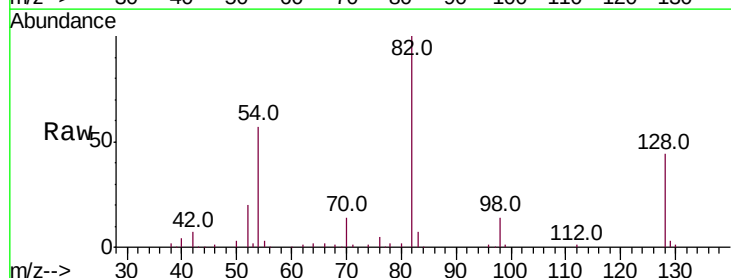


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

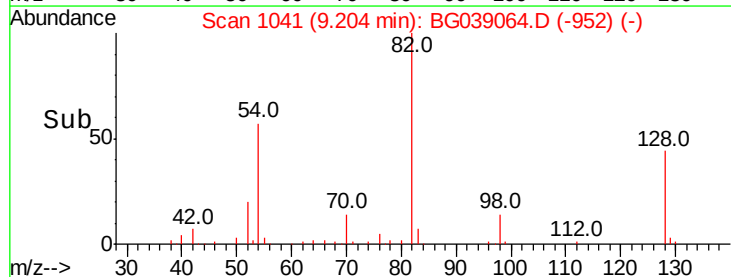
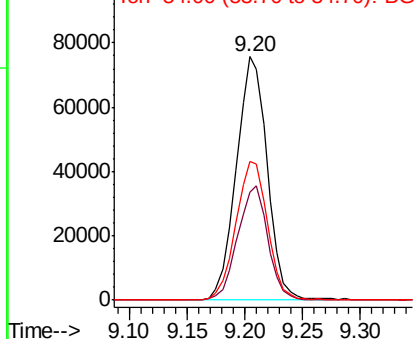


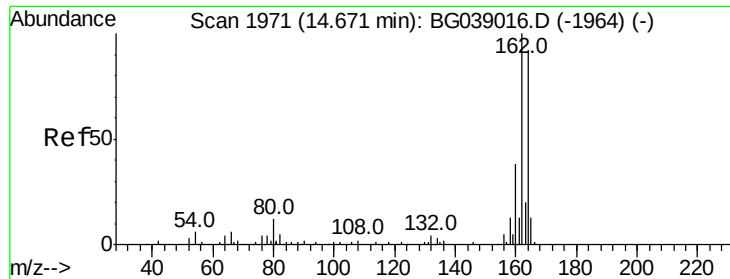
#23
Nitrobenzene-d5
Concen: 95.370 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Tgt Ion: 82	Resp:	140155
Ion Ratio	Lower	Upper
82	100	
128	44.4	37.3 55.9
54	57.1	46.4 69.6



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

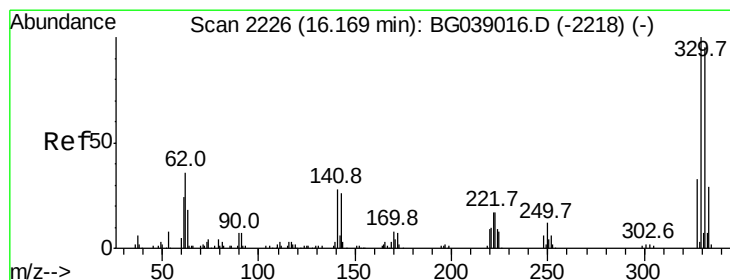
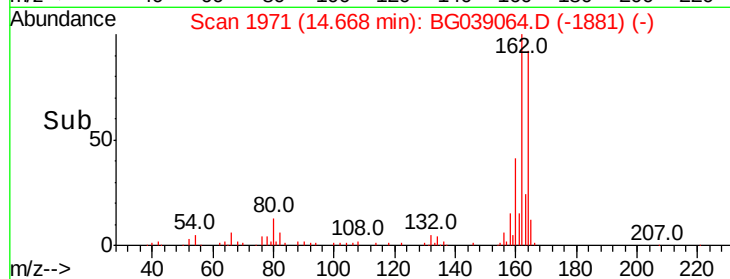
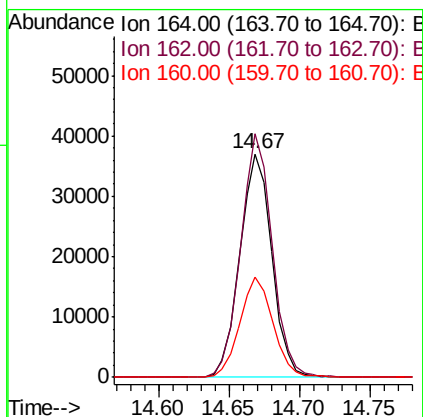
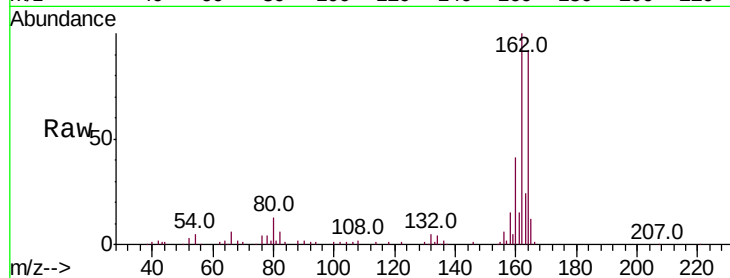




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

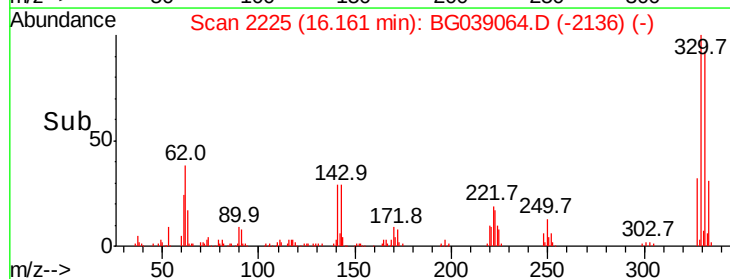
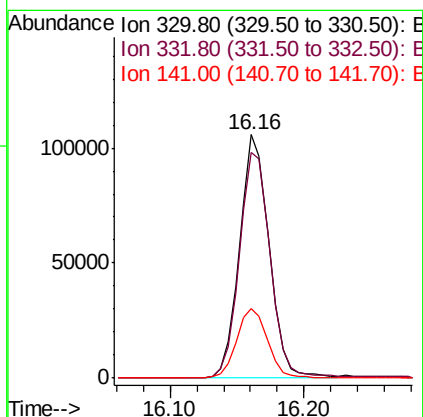
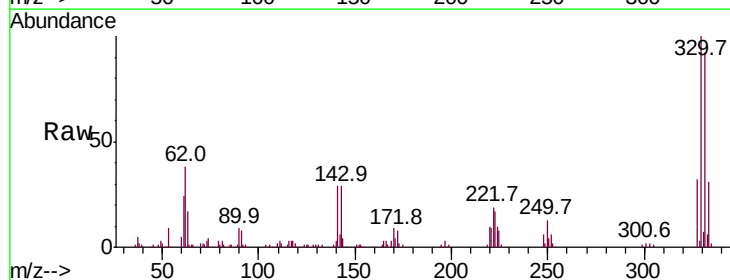
Instrument :
BNA_G
ClientSampleId :

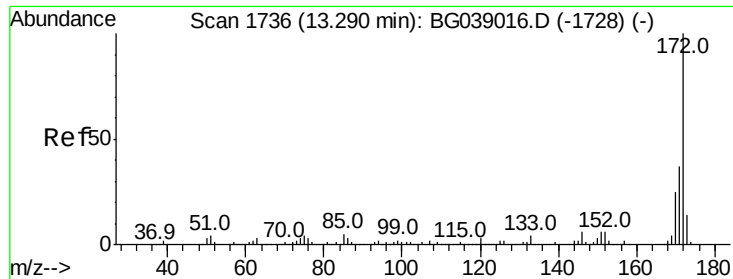
Tot Ion:164 Resp: 58720
Ion Ratio Lower Upper
164 100
162 109.0 87.2 130.8
160 44.9 33.3 49.9



#42
2,4,6-Tribromophenol
Concen: 164.761 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Tgt Ion:330 Resp: 162176
Ion Ratio Lower Upper
330 100
332 97.2 75.7 113.5
141 30.0 24.9 37.3

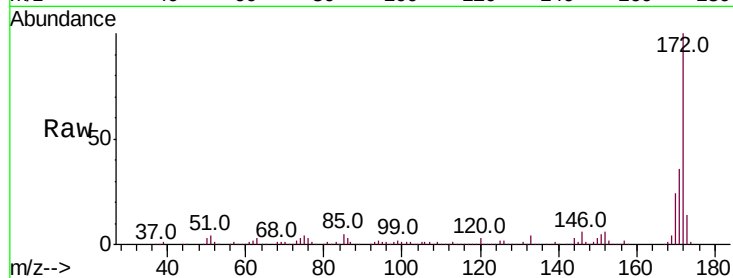




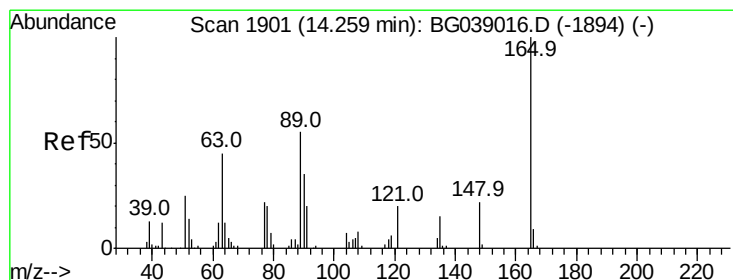
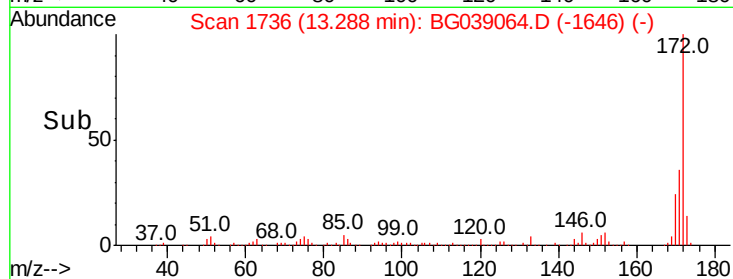
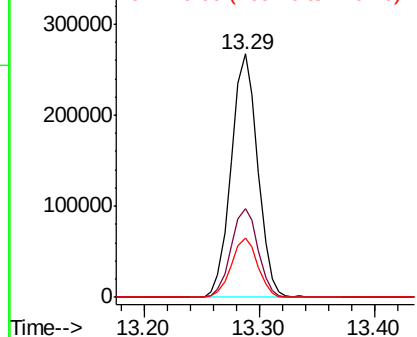
#45
 2-Fluorobiphenyl
 Concen: 99.033 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039064.D
 Acq: 10 Jan 2019 22:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 424912
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.2 20.1 30.1

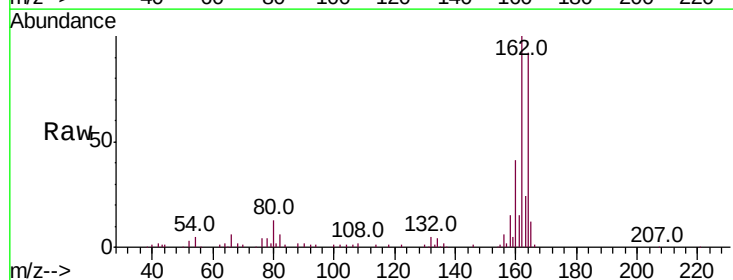


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

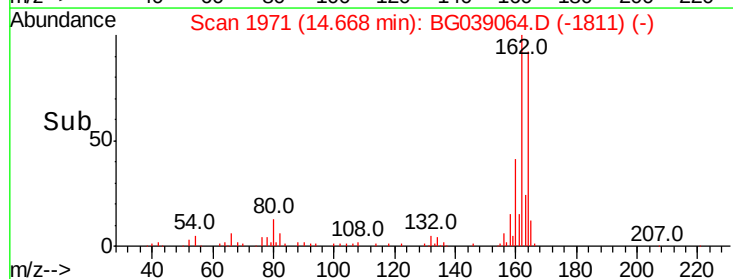
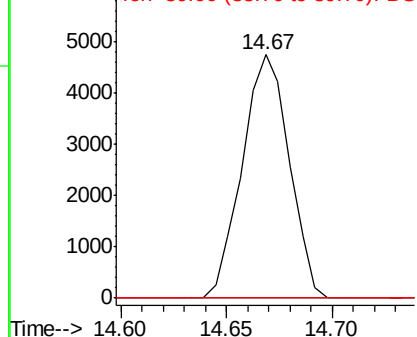


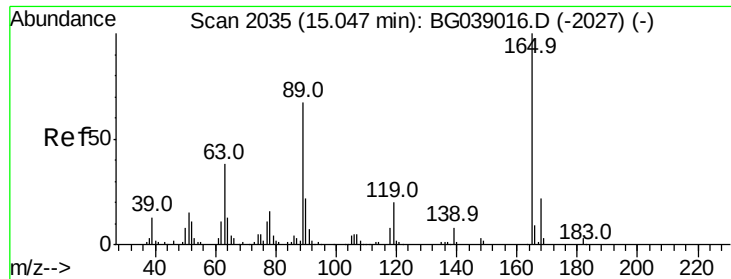
#51
 2,6-Dinitrotoluene
 Concen: 6.611 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039064.D
 Acq: 10 Jan 2019 22:35

Tgt Ion:165 Resp: 7334
 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): BG
 Ion 89.00 (88.70 to 89.70): BG

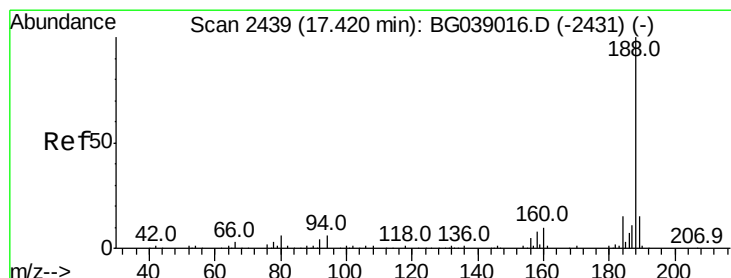
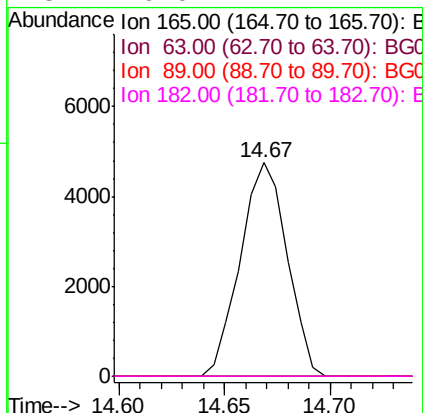
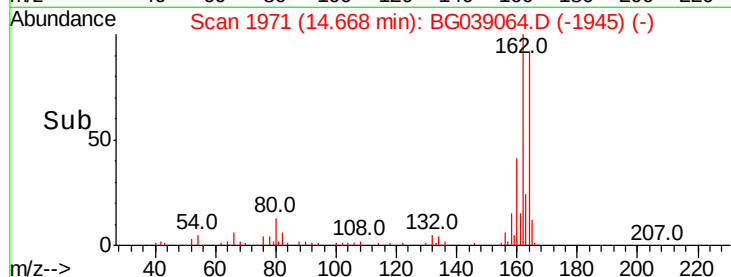
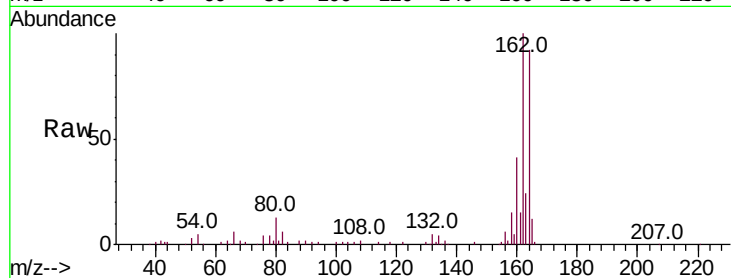




#57
 2,4-Dinitrotoluene
 Concen: 4.608 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039064.D
 Acq: 10 Jan 2019 22:35

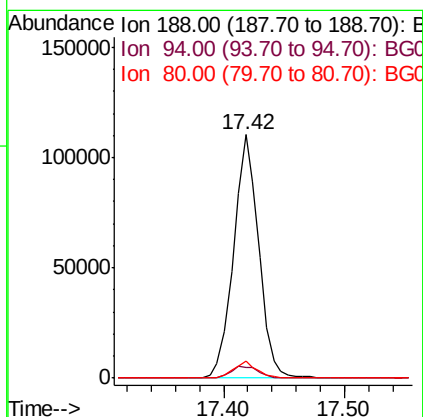
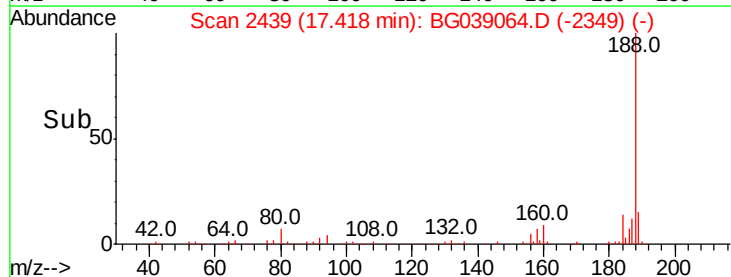
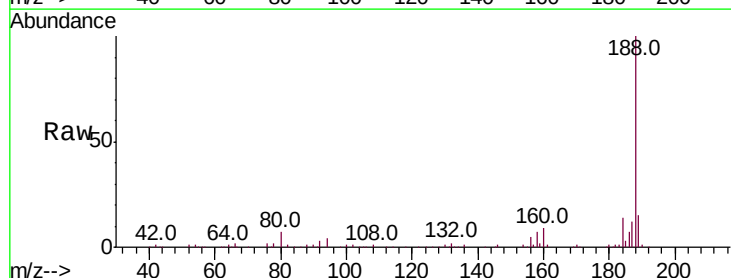
Instrument :
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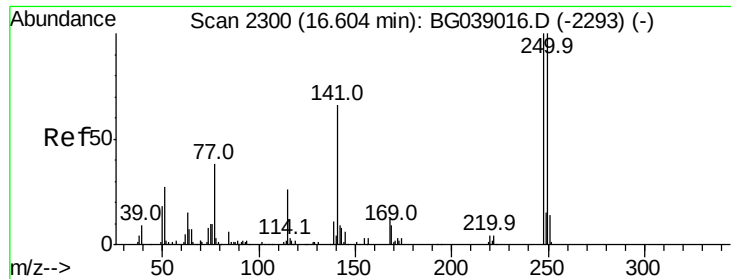
Tot Ion:165 Resp: 7334
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039064.D
 Acq: 10 Jan 2019 22:35

Tgt Ion:188 Resp: 159676
 Ion Ratio Lower Upper
 188 100
 94 4.5 5.0 7.4#
 80 6.8 4.7 7.1

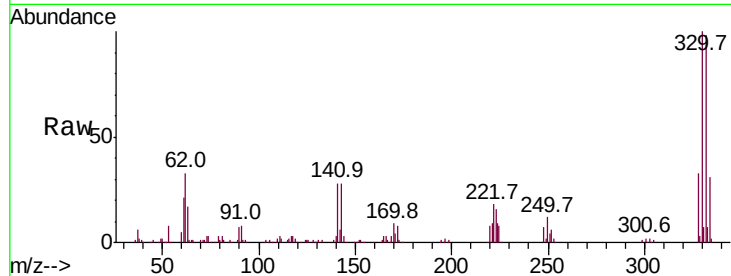




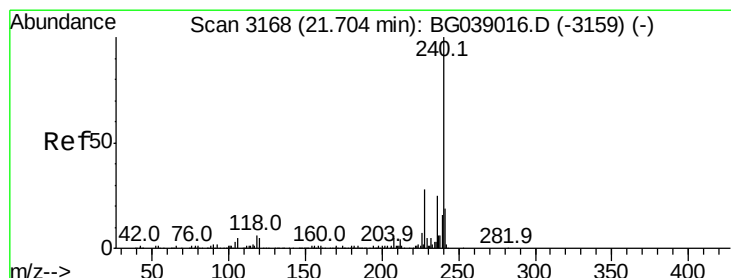
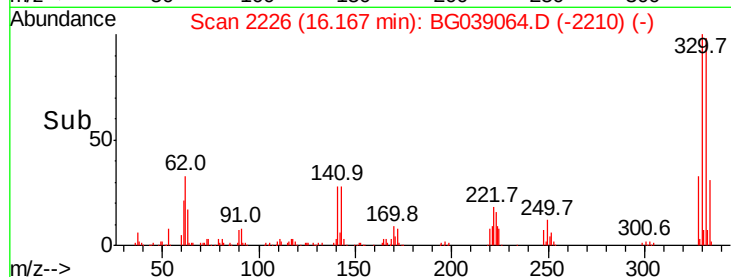
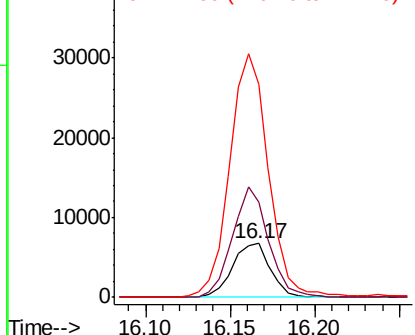
#67
4-Bromophenyl-phenylether
Concen: 5.138 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.44 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10546
Ion Ratio Lower Upper
248 100
250 184.5 79.9 119.9#
141 318.5 52.7 79.1#

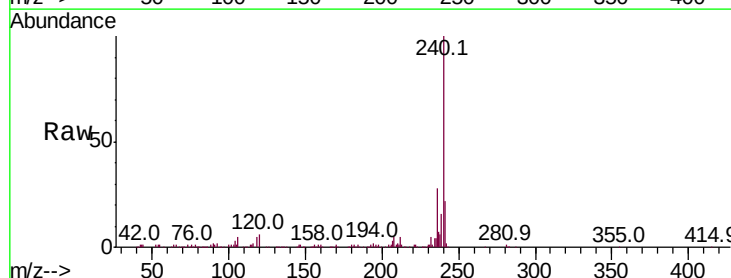


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

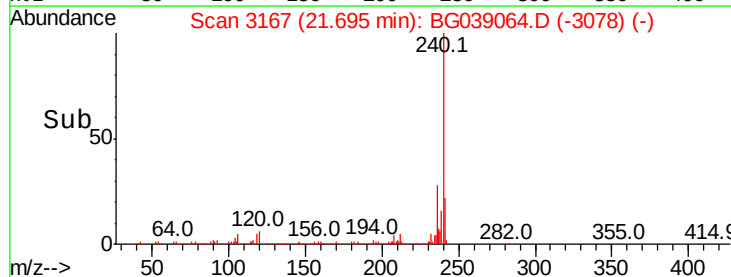
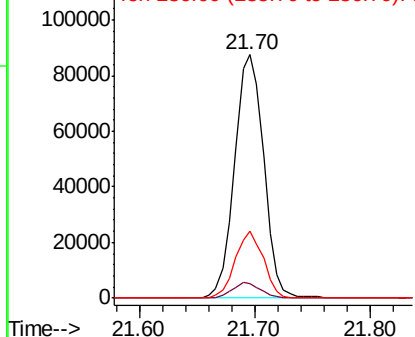


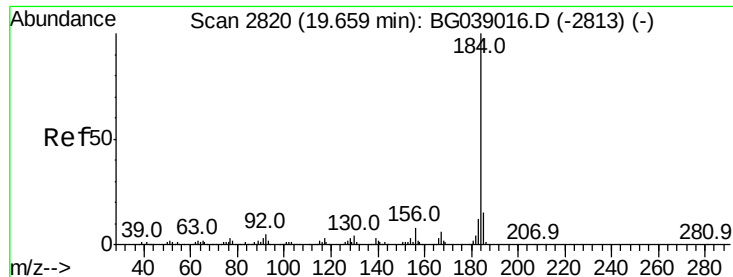
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG039064.D
Acq: 10 Jan 2019 22:35

Tgt Ion:240 Resp: 152605
Ion Ratio Lower Upper
240 100
120 6.1 4.3 6.5
236 27.6 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: 2.720 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039064.D

Acq: 10 Jan 2019 22:35

Instrument :

BNA_G

ClientSampleId :

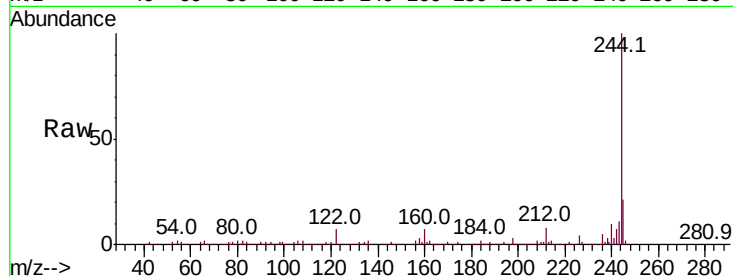
Tot Ion:184 Resp: 12698

Ion Ratio Lower Upper

184 100

185 15.9 12.1 18.1

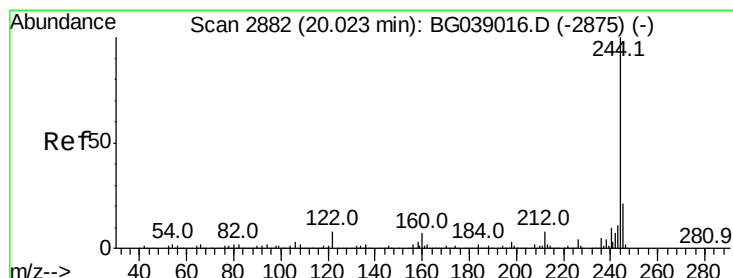
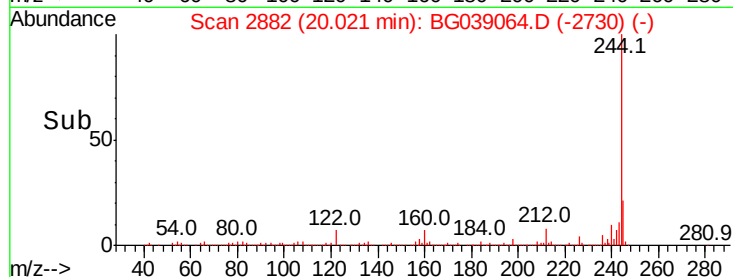
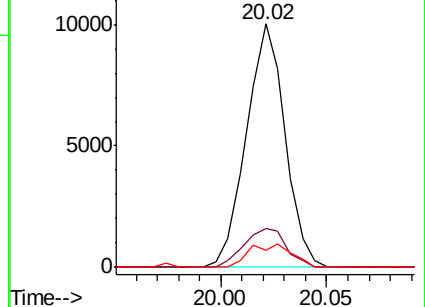
183 6.9 9.5 14.3#



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: 99.031 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039064.D

Acq: 10 Jan 2019 22:35

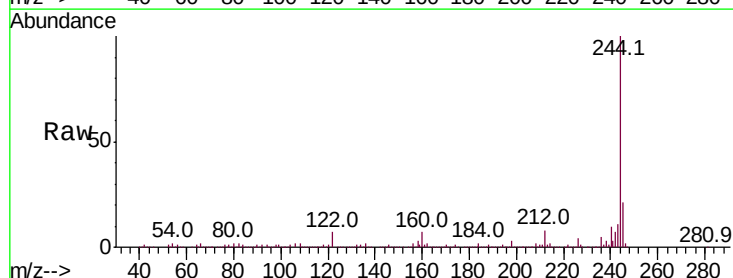
Tgt Ion:244 Resp: 816947

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

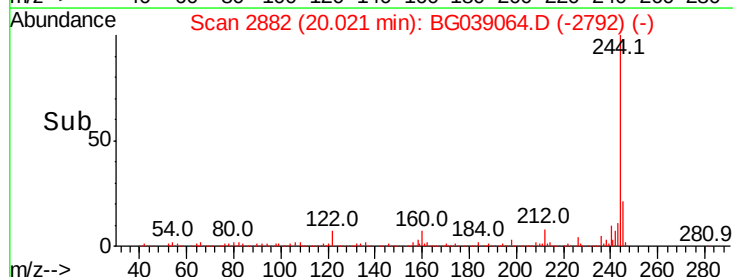
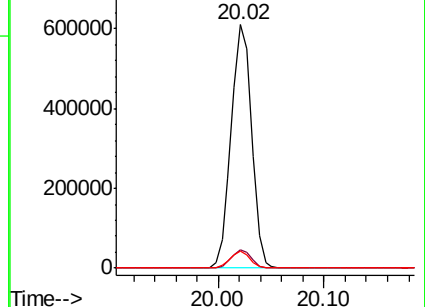
122 6.9 6.1 9.1

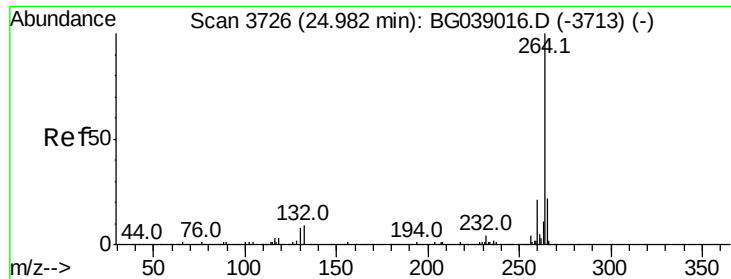


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

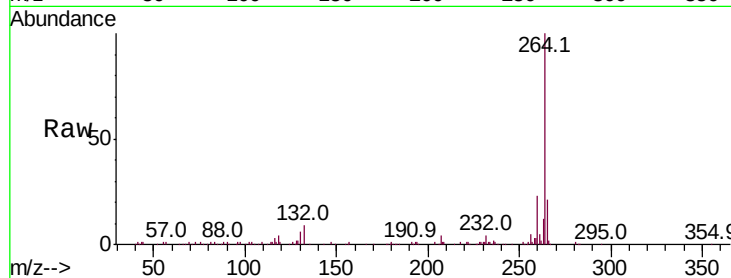




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3725
 Delta R.T. -0.01 min
 Lab File: BG039064.D
 Acq: 10 Jan 2019 22:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.0	25.6
265	20.6	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

