

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039286.D
 Acq On : 25 Jan 2019 20:00
 Operator : JU/SJ
 Sample : K1016-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-RO-3-012319

Quant Time: Jan 28 03:14:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

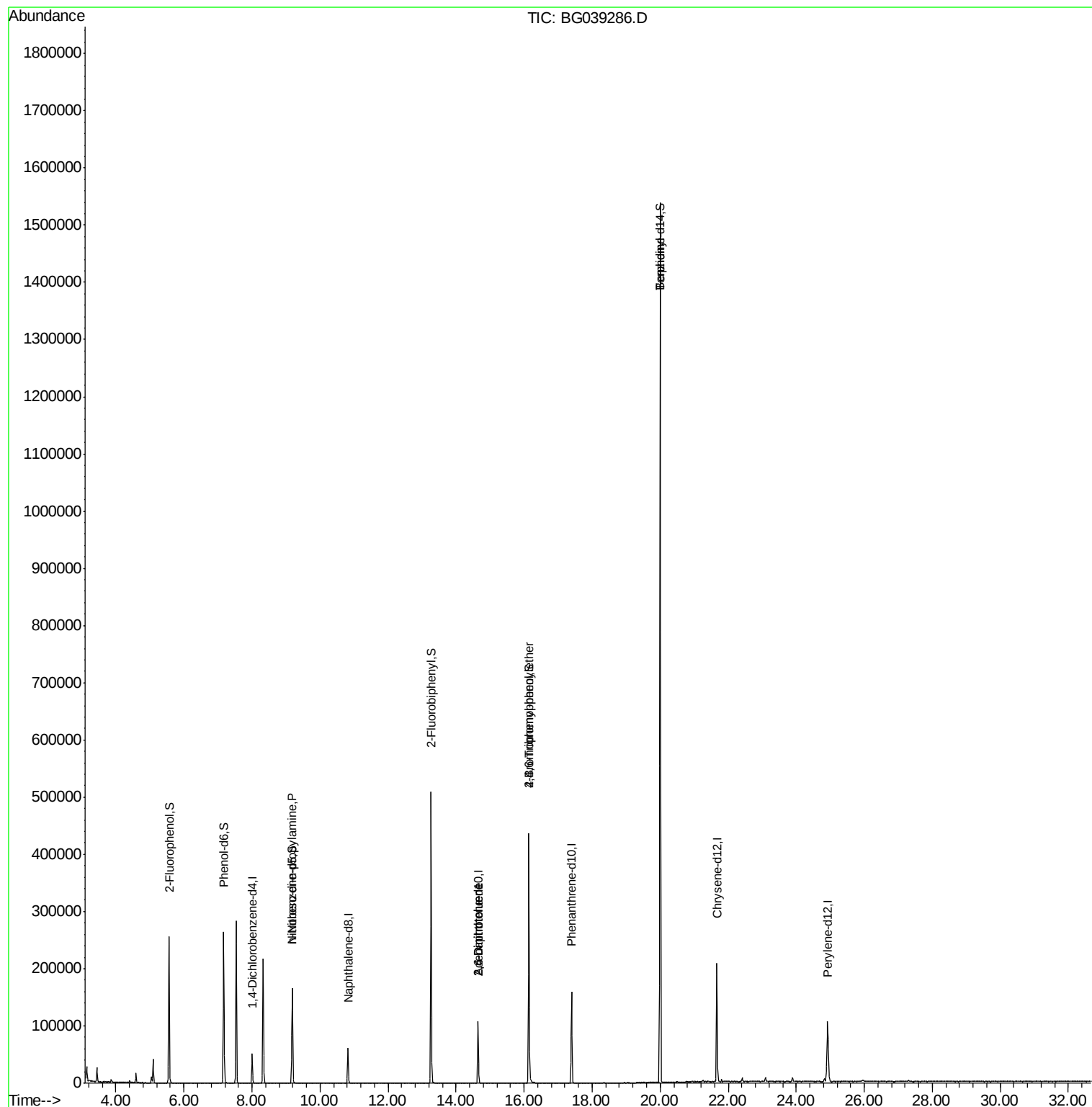
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15079	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	58325	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	40542	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	107666	20.00	ng	0.00
76) Chrysene-d12	21.67	240	143641	20.00	ng	-0.01
87) Perylene-d12	24.92	264	135121	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	116712	146.83	ng	0.00
7) Phenol-d6	7.17	99	159439	139.38	ng	0.00
23) Nitrobenzene-d5	9.18	82	100593	94.37	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	100336	147.64	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	281295	94.96	ng	0.00
79) Terphenyl-d14	20.00	244	791764	101.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	13591	18.092	ng	# 70
51) 2,6-Dinitrotoluene	14.65	165	5175	6.756	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	5175	4.709	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6341	4.582	ng	# 1
77) Benzidine	20.00	184	12498	2.845	ng	# 92

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

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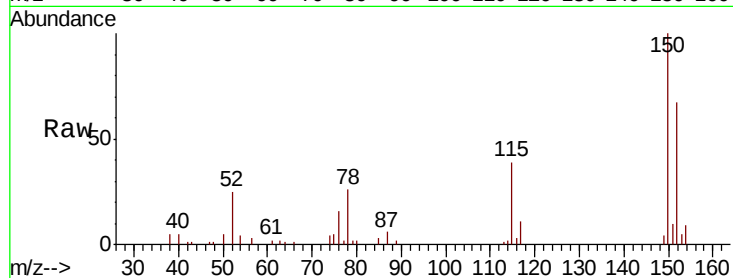


#1

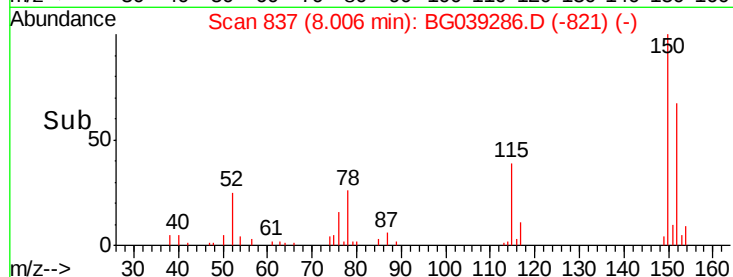
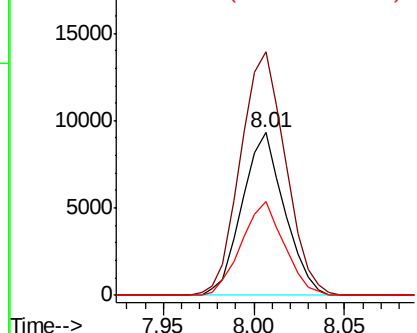
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-RO-3-012319

Tgt Ion:152 Resp: 15079
 Ion Ratio Lower Upper
 152 100
 150 149.7 124.7 187.1
 115 58.1 46.5 69.7



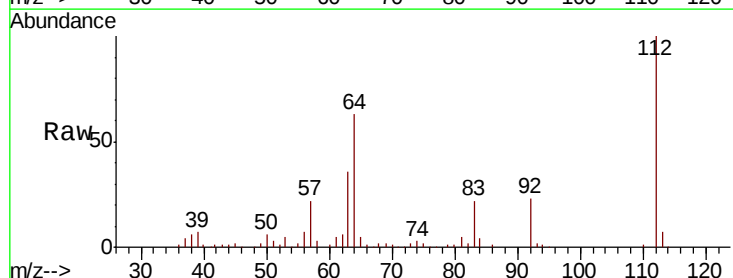
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



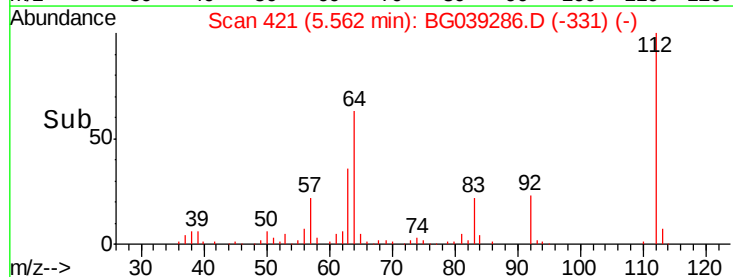
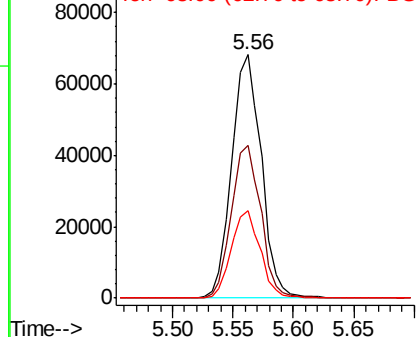
#5

2-Fluorophenol
 Concen: 146.827 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Tgt Ion:112 Resp: 116712
 Ion Ratio Lower Upper
 112 100
 64 62.7 47.0 70.6
 63 35.9 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: 139.375 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

Instrument :

BNA_G

ClientSampleId :

TR-05-RO-3-012319

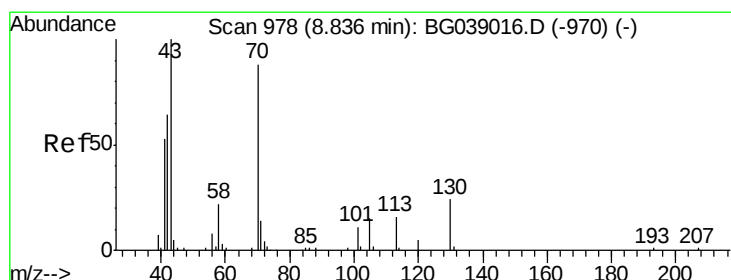
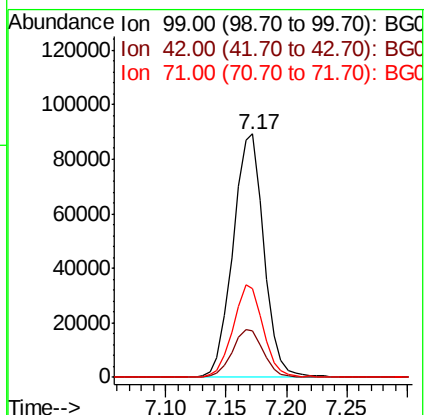
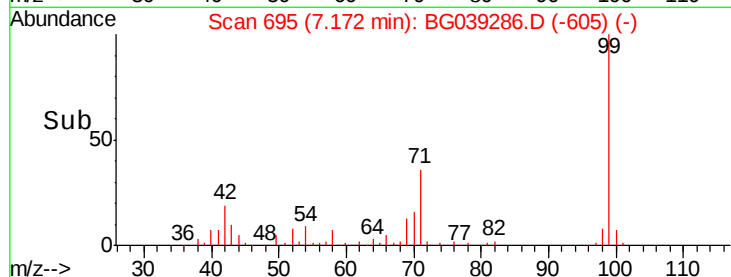
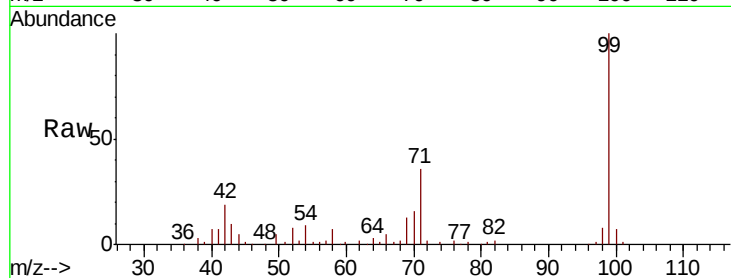
Tgt Ion: 99 Resp: 159439

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

71 36.4 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.092 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

Tgt Ion: 70 Resp: 13591

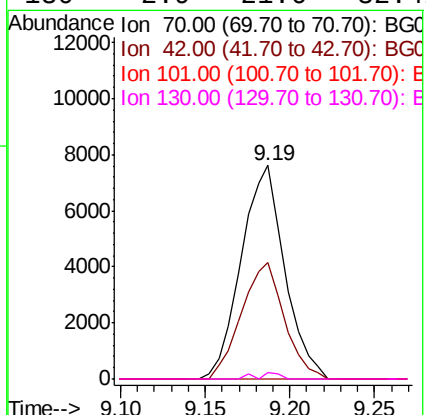
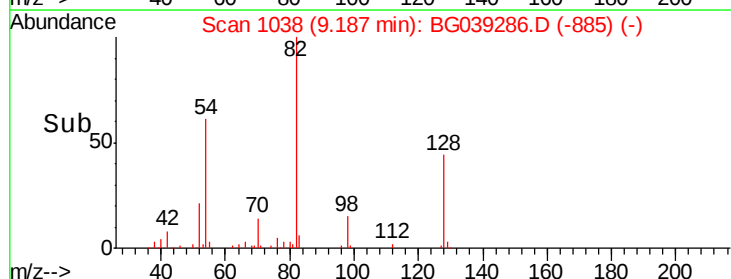
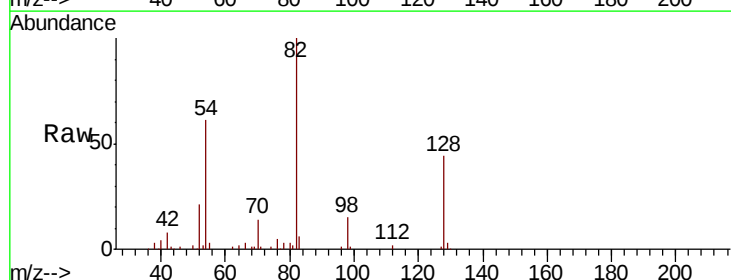
Ion Ratio Lower Upper

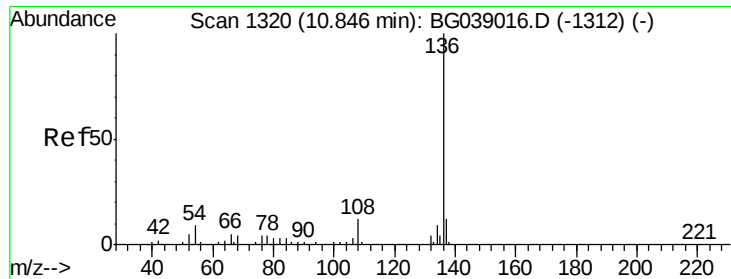
70 100

42 54.4 59.0 88.4#

101 0.0 10.4 15.6#

130 2.9 21.6 32.4#

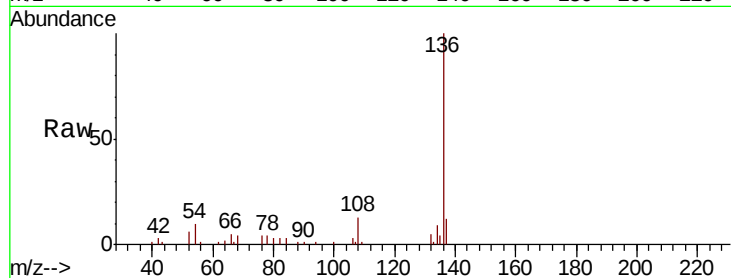




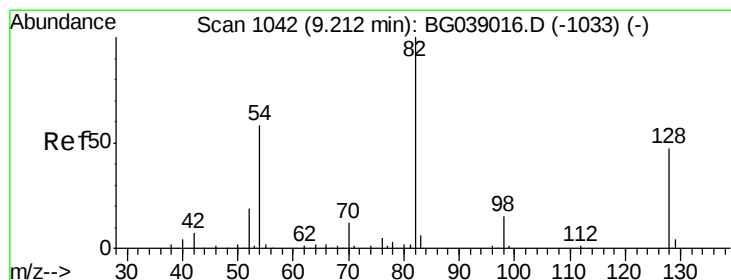
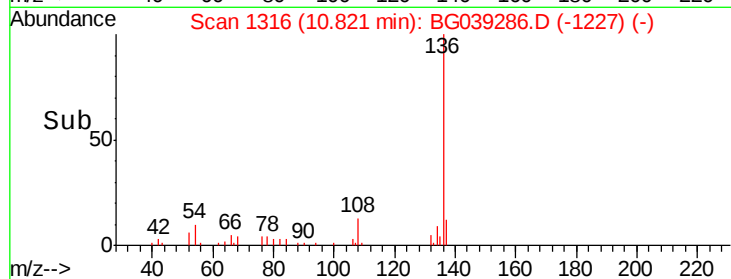
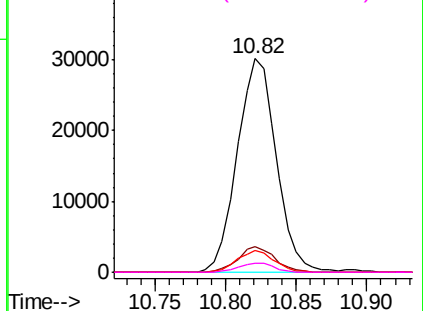
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039286.D
Acq: 25 Jan 2019 20:00

Instrument :
BNA_G
ClientSampleId :
TR-05-RO-3-012319

Tgt Ion:	136	Resp:	58325
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.4	14.2
54	10.1	7.2	10.8
68	4.2	3.5	5.3

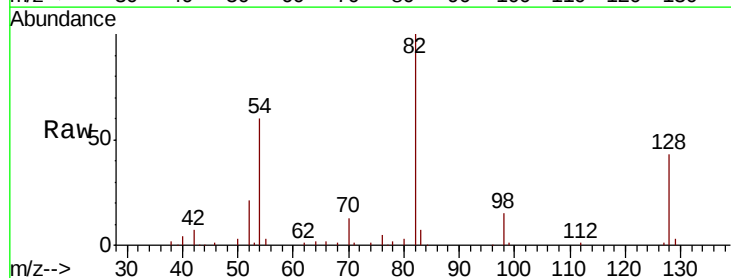


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

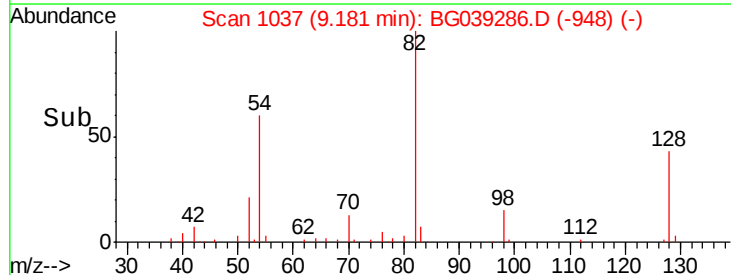
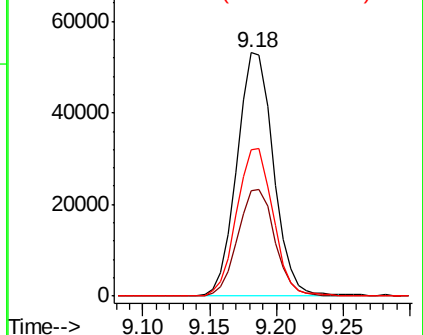


#23
Nitrobenzene-d5
Concen: 94.375 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039286.D
Acq: 25 Jan 2019 20:00

Tgt Ion:	82	Resp:	100593
Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.3	55.9
54	60.1	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: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

Instrument :

BNA_G

ClientSampleId :

TR-05-RO-3-012319

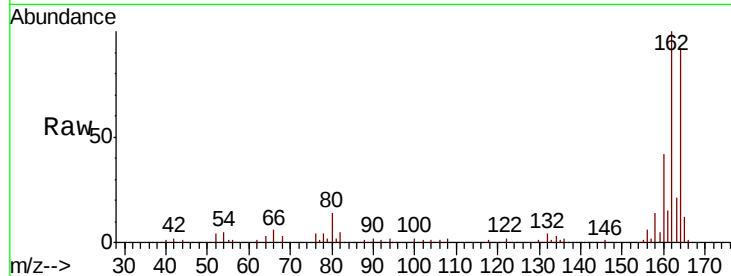
Tgt Ion:164 Resp: 40542

Ion Ratio Lower Upper

164 100

162 109.2 87.2 130.8

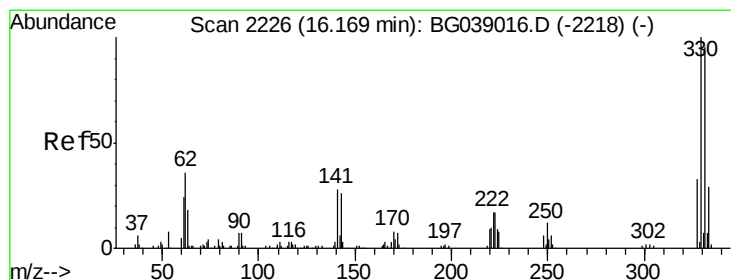
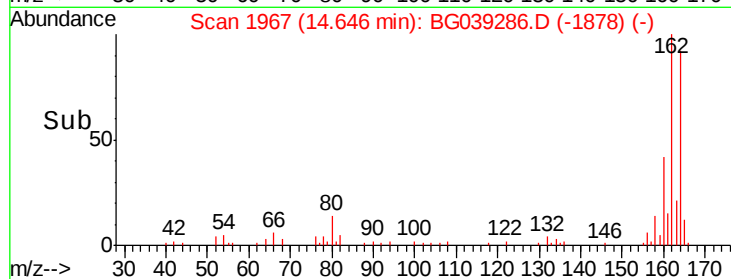
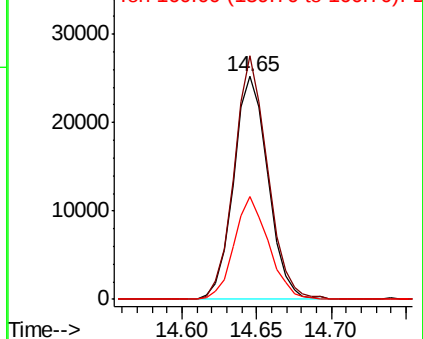
160 46.2 33.3 49.9



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: 147.641 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

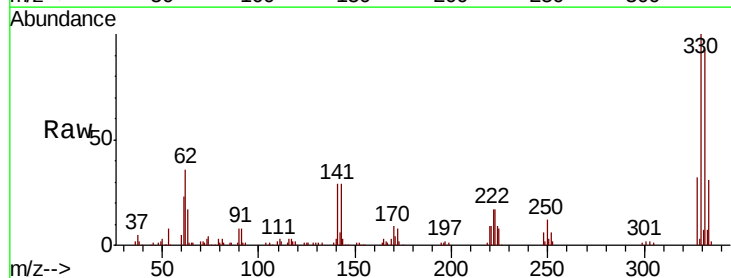
Tgt Ion:330 Resp: 100336

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

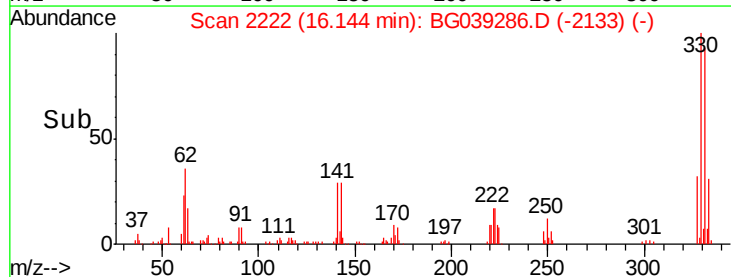
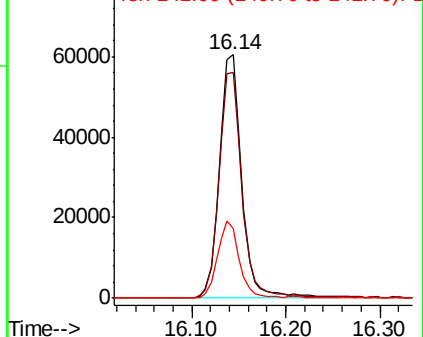
141 30.9 24.9 37.3

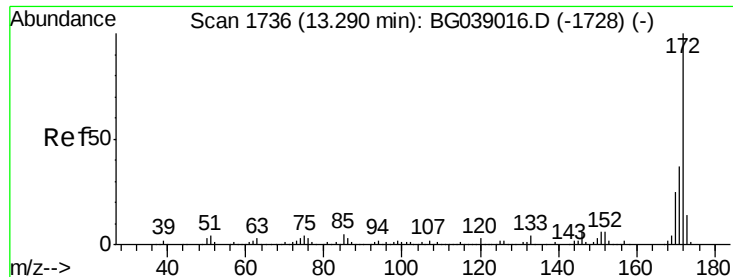


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

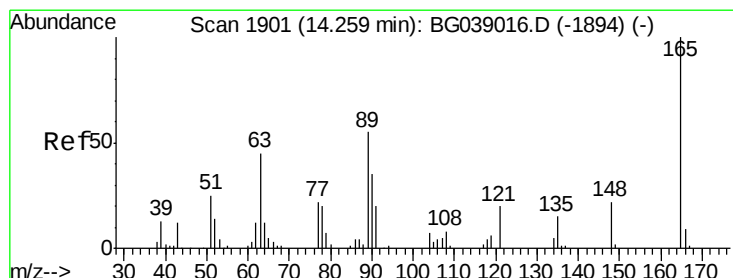
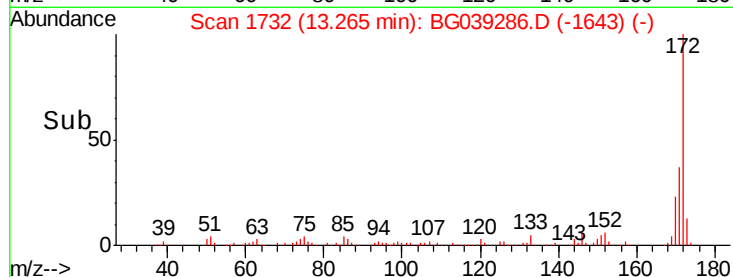
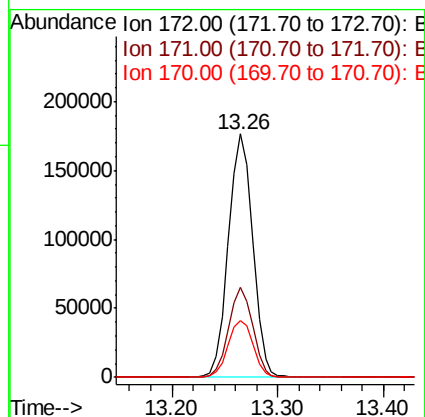
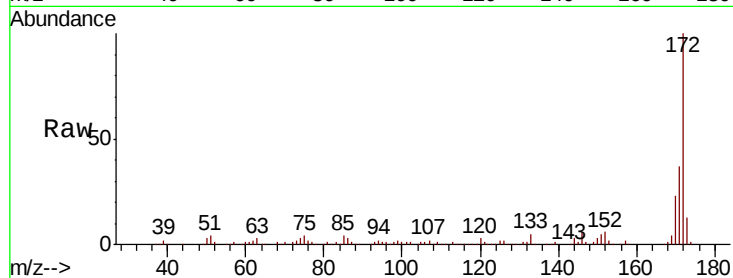




#45
 2-Fluorobiphenyl
 Concen: 94.956 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

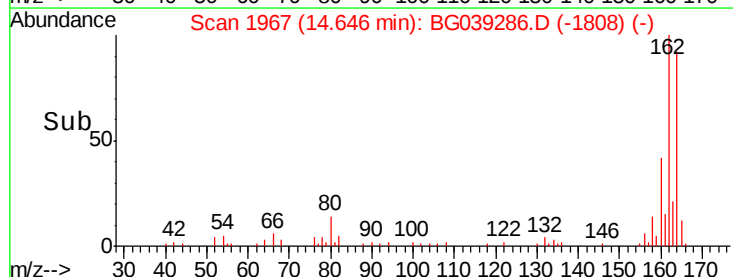
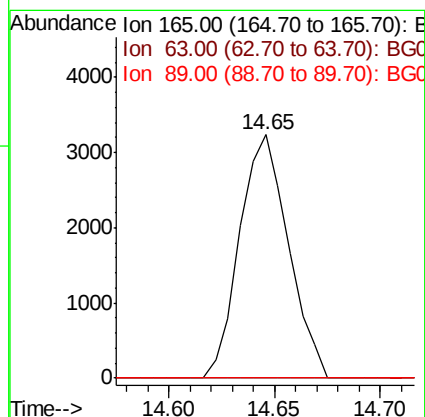
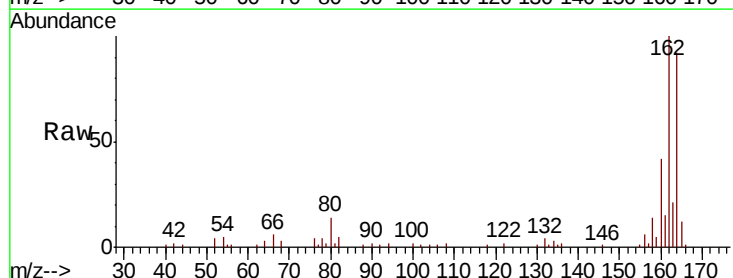
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-RO-3-012319

Tgt Ion:172 Resp: 281295
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 23.4 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.756 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Tgt Ion:165 Resp: 5175
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

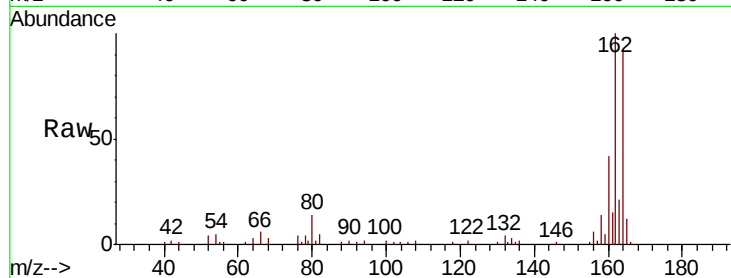




#57
 2,4-Dinitrotoluene
 Concen: 4.709 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-RO-3-012319

Tgt 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#

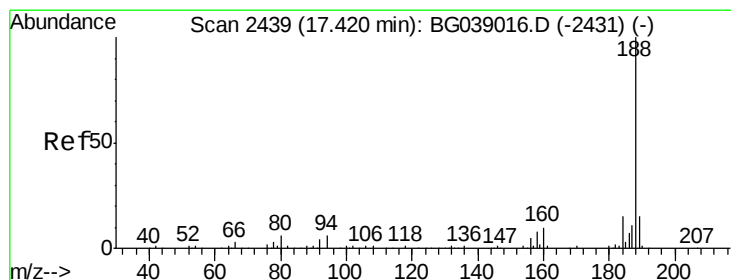
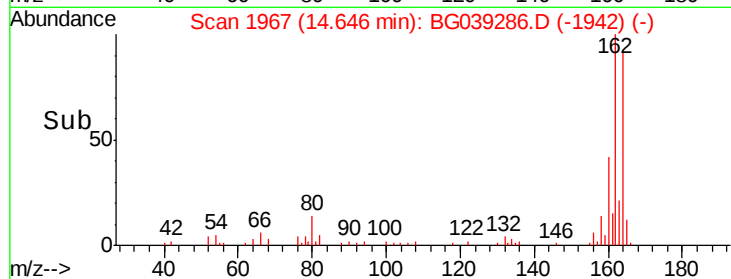
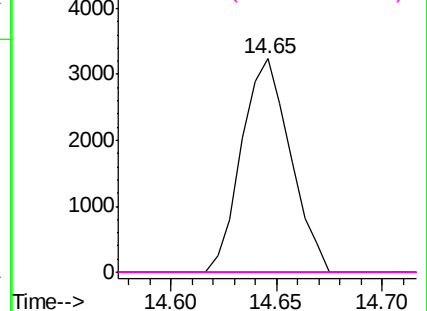


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

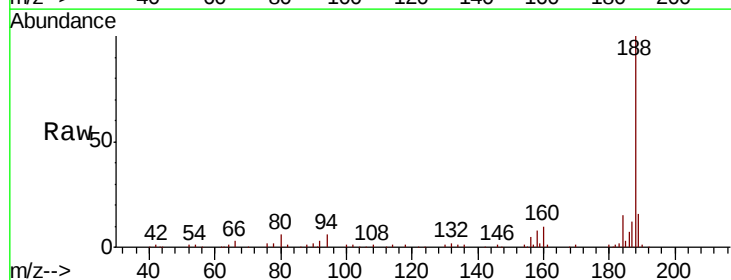
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

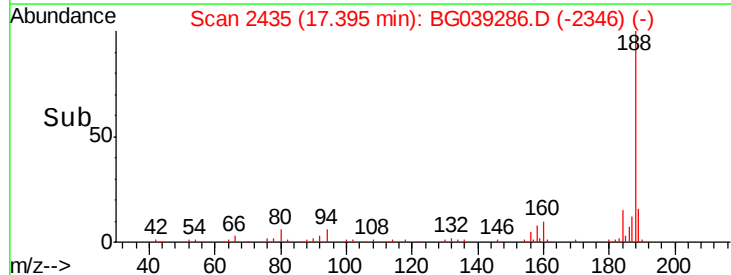
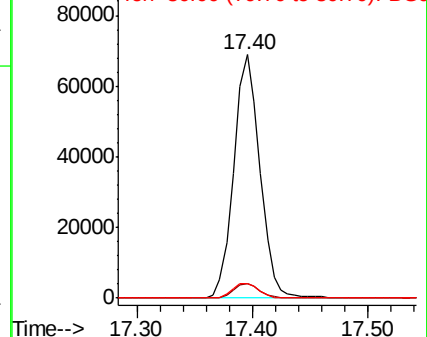
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.0	7.4
80	5.9	4.7	7.1

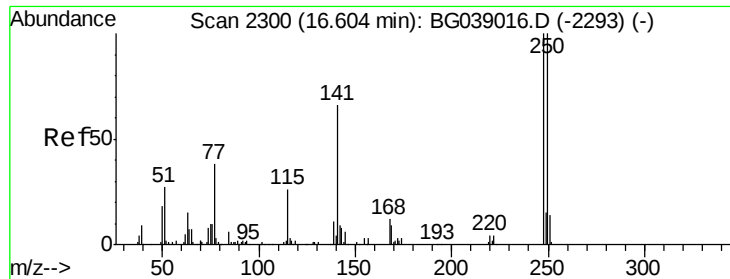


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

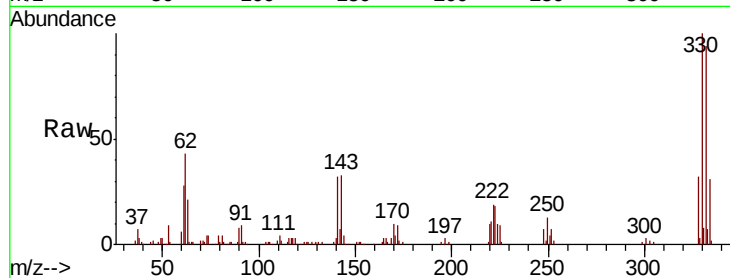




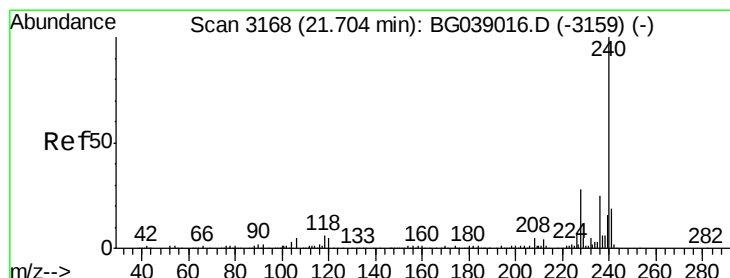
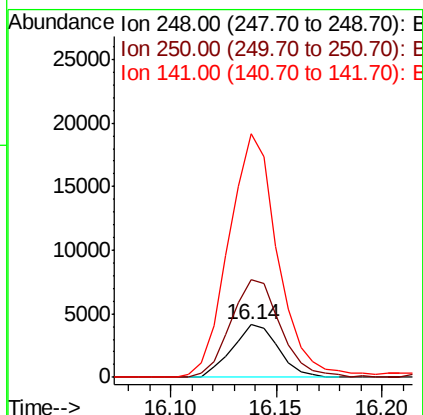
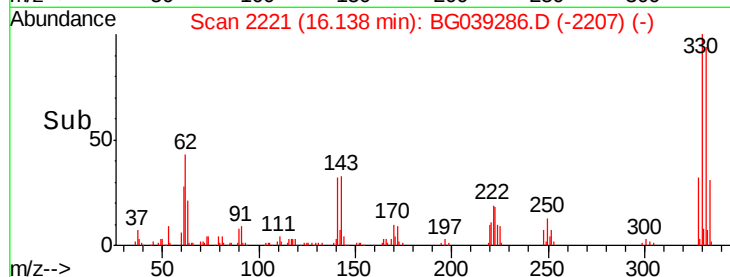
#67
 4-Bromophenyl-phenylether
 Concen: 4.582 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-RO-3-012319

Tgt Ion:248 Resp: 6341
 Ion Ratio Lower Upper
 248 100
 250 187.1 79.9 119.9#
 141 359.2 52.7 79.1#

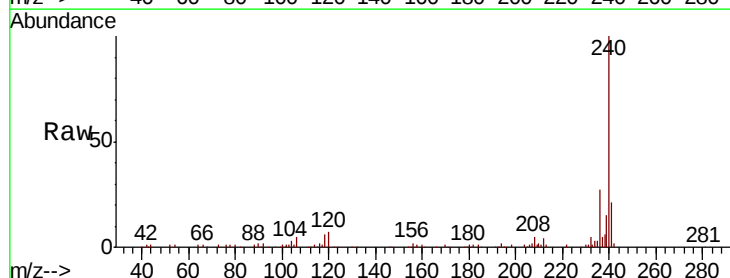


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

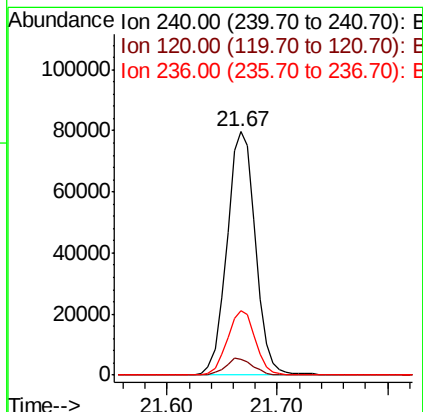
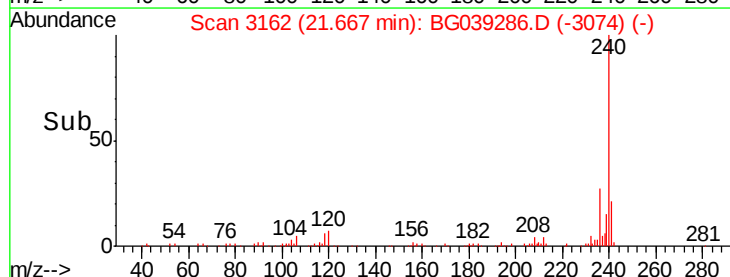


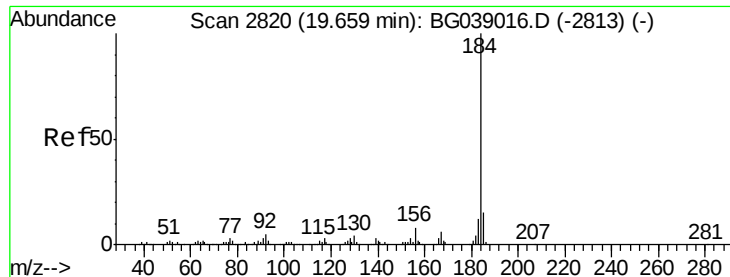
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG039286.D
 Acq: 25 Jan 2019 20:00

Tgt Ion:240 Resp: 143641
 Ion Ratio Lower Upper
 240 100
 120 6.5 4.3 6.5#
 236 26.7 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: 2.845 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

Instrument :

BNA_G

ClientSampleId :

TR-05-RO-3-012319

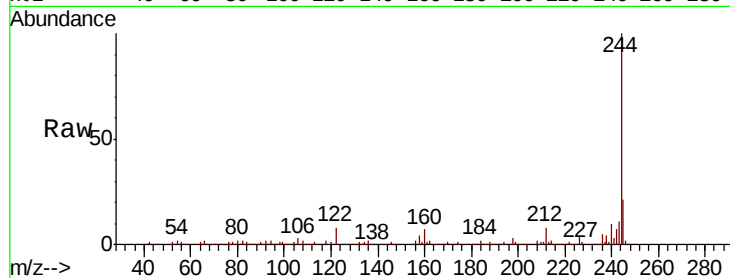
Tgt Ion:184 Resp: 12498

Ion Ratio Lower Upper

184 100

185 18.2 12.1 18.1#

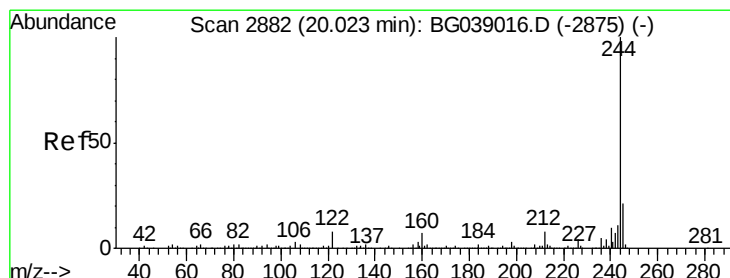
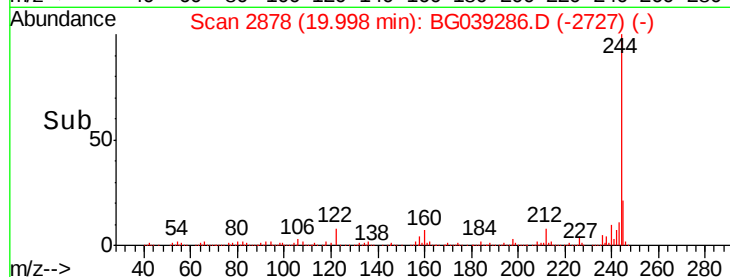
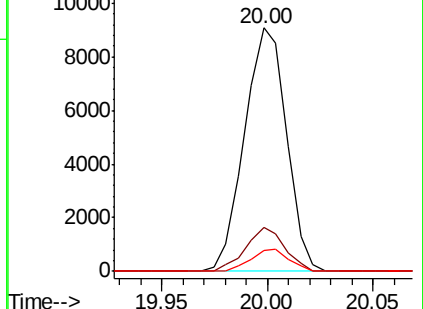
183 8.5 9.5 14.3#



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: 101.968 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039286.D

Acq: 25 Jan 2019 20:00

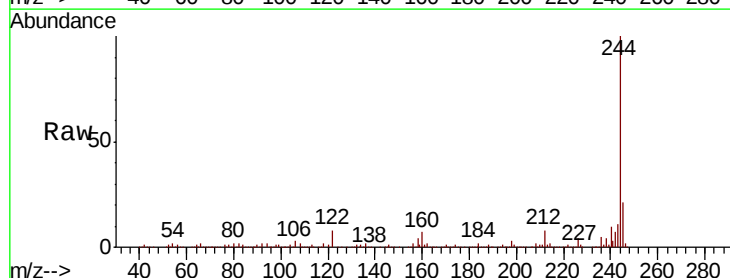
Tgt Ion:244 Resp: 791764

Ion Ratio Lower Upper

244 100

212 8.2 6.1 9.1

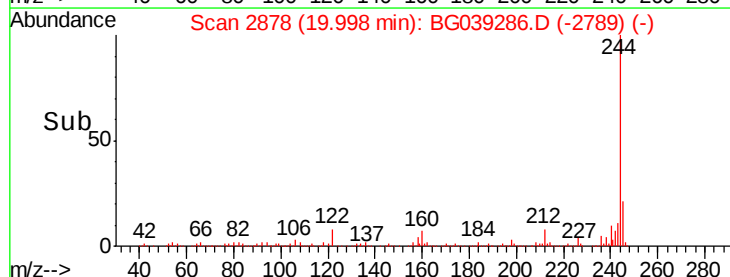
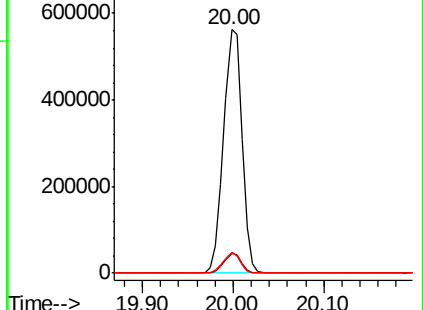
122 8.4 6.1 9.1

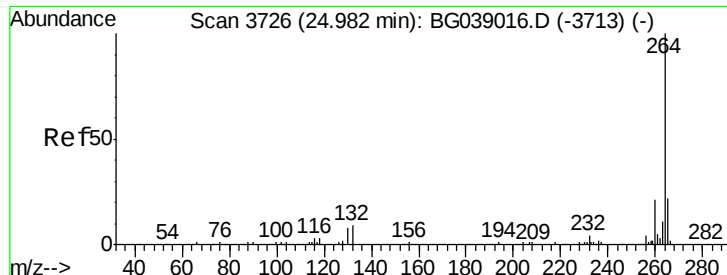


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

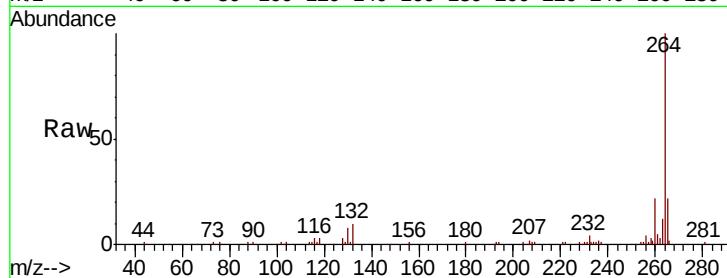




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.03 min
Lab File: BG039286.D
Acq: 25 Jan 2019 20:00

Instrument :
BNA_G
ClientSampleId :
TR-05-RO-3-012319

Tgt Ion:	264	Resp:	135121
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.0	25.6
265	22.2	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

