

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039296.D
 Acq On : 26 Jan 2019 4:31
 Operator : JU/SJ
 Sample : K1233-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SANDHILL-RO-1-8

Quant Time: Jan 28 03:16:51 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

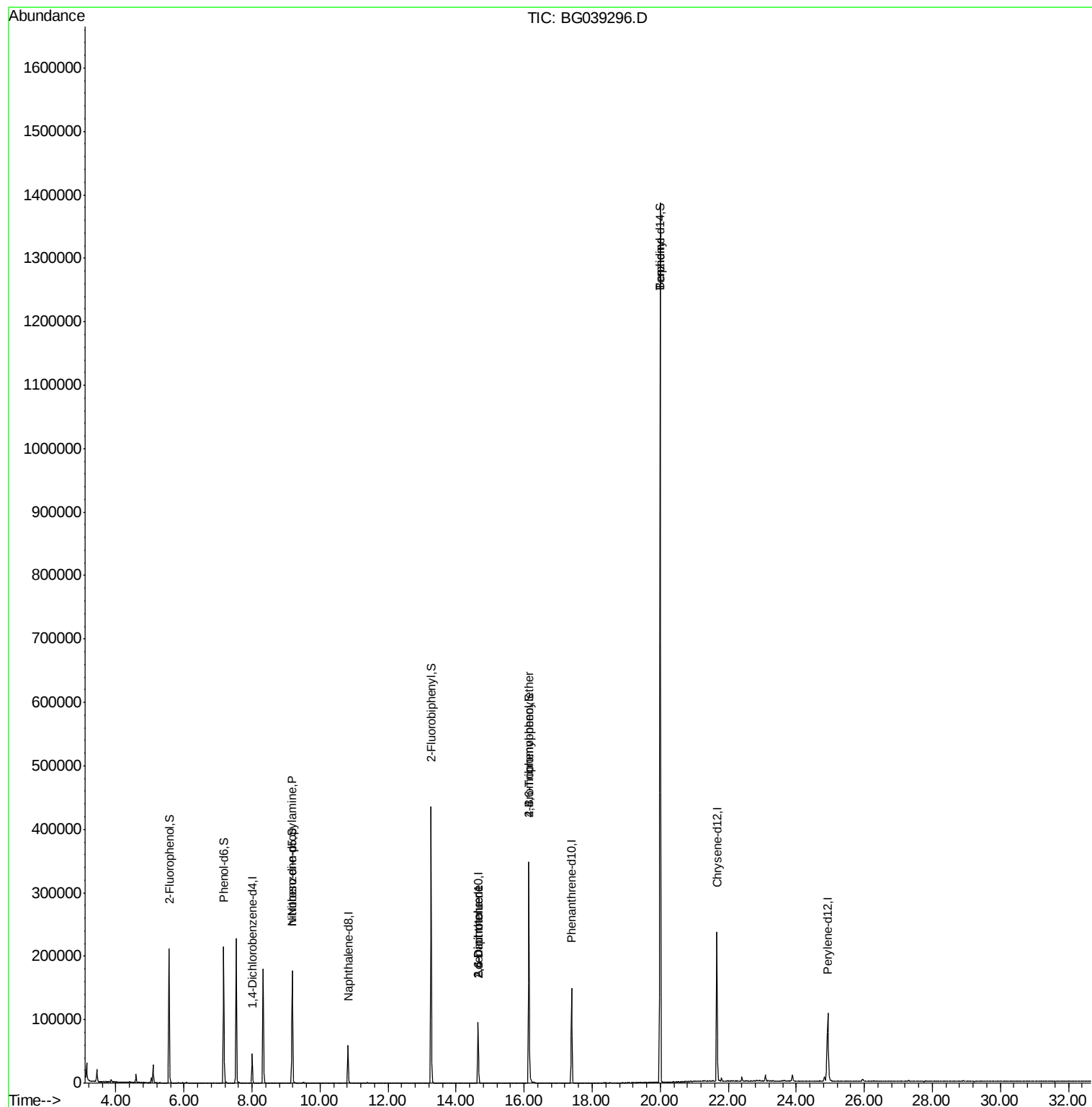
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	13657	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	54221	20.00	ng	-0.01
39) Acenaphthene-d10	14.64	164	37118	20.00	ng	-0.01
64) Phenanthrene-d10	17.39	188	104976	20.00	ng	-0.01
76) Chrysene-d12	21.67	240	153398	20.00	ng	-0.02
87) Perylene-d12	24.92	264	132670	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	95233	132.28	ng	0.00
7) Phenol-d6	7.16	99	125788	121.41	ng	-0.01
23) Nitrobenzene-d5	9.18	82	107366	108.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	80877	129.99	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	237119	87.43	ng	-0.01
79) Terphenyl-d14	20.00	244	700525	84.48	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	13652	20.066	ng	# 66
51) 2,6-Dinitrotoluene	14.64	165	4824	6.879	ng	# 24
57) 2,4-Dinitrotoluene	14.64	165	4824	4.795	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	5061	3.751	ng	# 1
77) Benzidine	20.00	184	10707	2.282	ng	# 93

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

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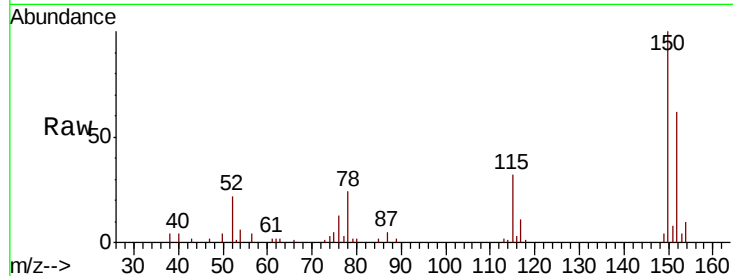


#1

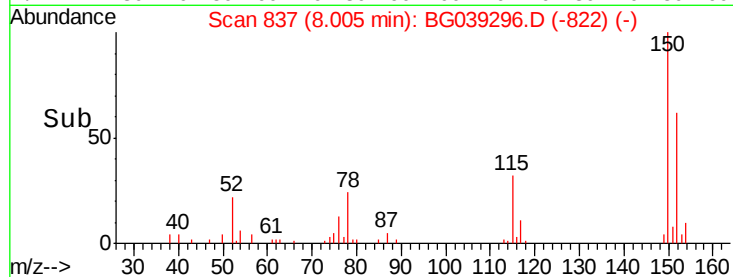
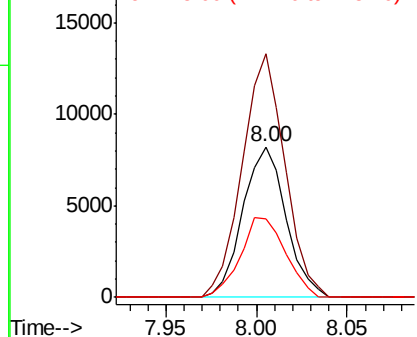
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039296.D
Acq: 26 Jan 2019 4:31

Instrument :
BNA_G
ClientSampleId :
SANDHILL-RO-1-8

Tgt Ion:152 Resp: 13657
Ion Ratio Lower Upper
152 100
150 161.5 124.7 187.1
115 52.1 46.5 69.7



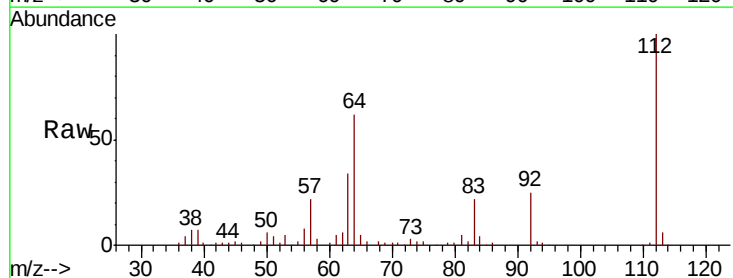
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



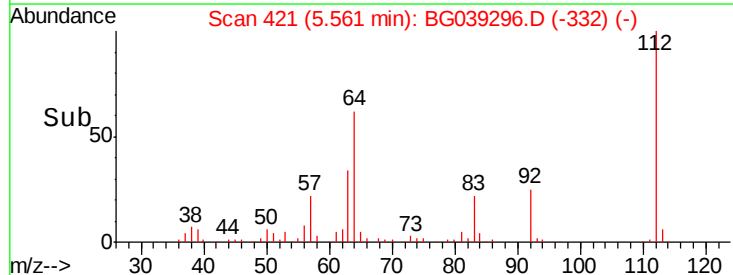
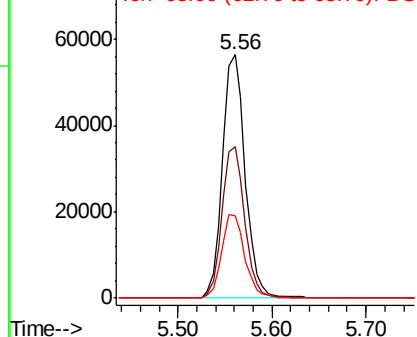
#5

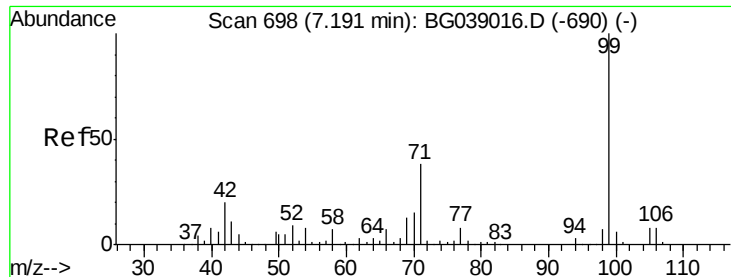
2-Fluorophenol
Concen: 132.280 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039296.D
Acq: 26 Jan 2019 4:31

Tgt Ion:112 Resp: 95233
Ion Ratio Lower Upper
112 100
64 62.3 47.0 70.6
63 34.0 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: 121.408 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

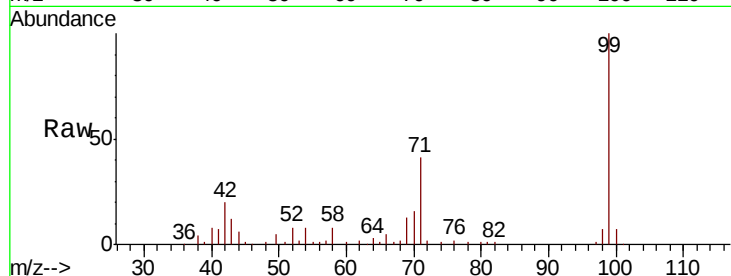
Tgt Ion: 99 Resp: 125788

Ion Ratio Lower Upper

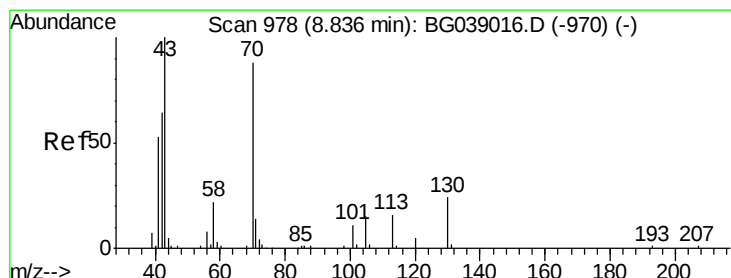
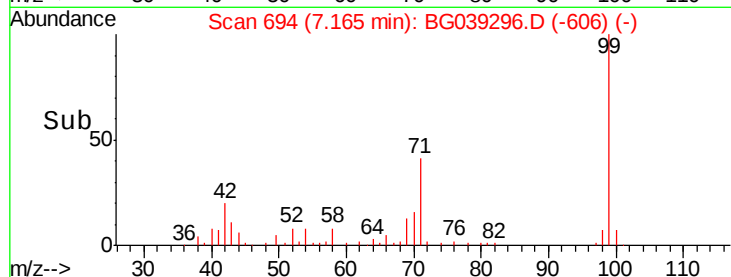
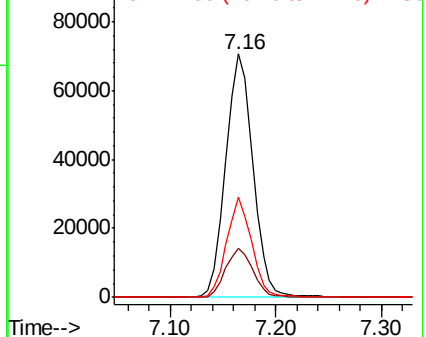
99 100

42 20.1 15.8 23.6

71 41.2 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: 20.066 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

Tgt Ion: 70 Resp: 13652

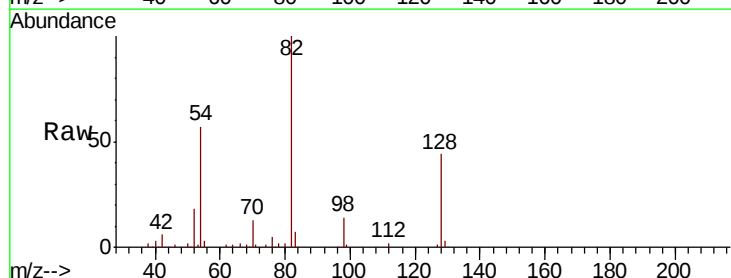
Ion Ratio Lower Upper

70 100

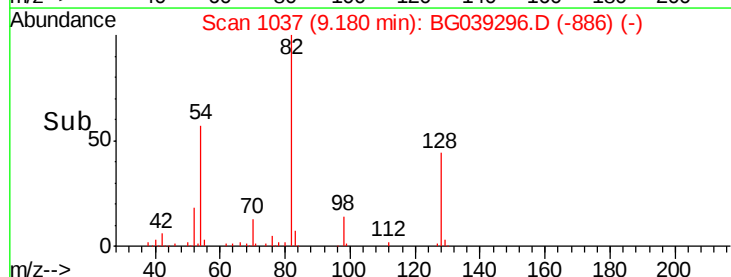
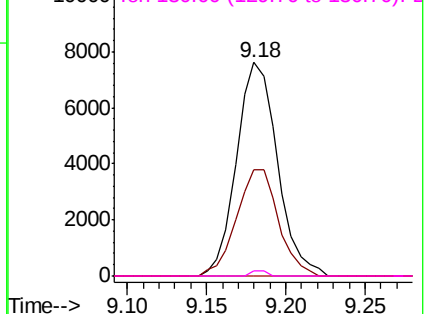
42 49.7 59.0 88.4#

101 0.0 10.4 15.6#

130 2.3 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

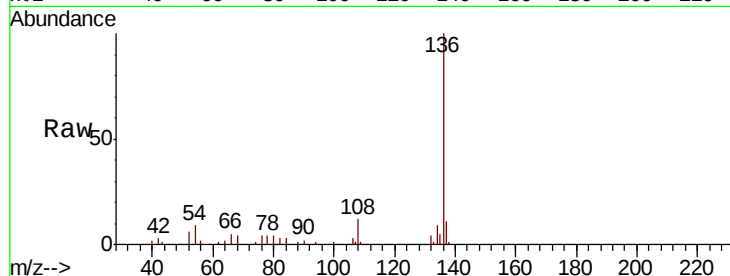




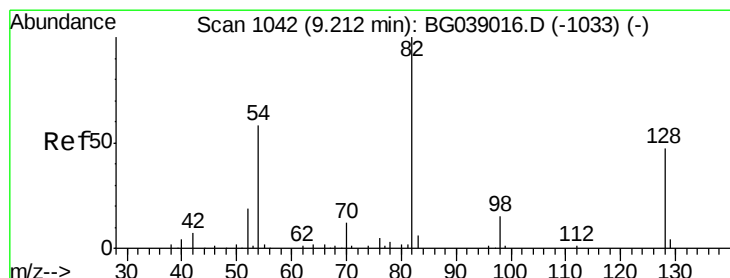
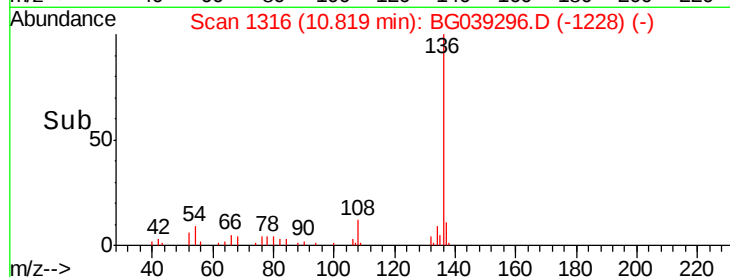
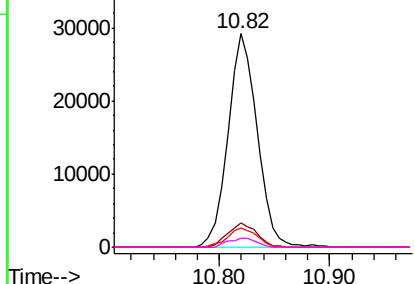
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039296.D
Acq: 26 Jan 2019 4:31

Instrument :
BNA_G
ClientSampleId :
SANDHILL-RO-1-8

Tgt Ion:	136	Resp:	54221
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.2
54	9.3	7.2	10.8
68	4.3	3.5	5.3

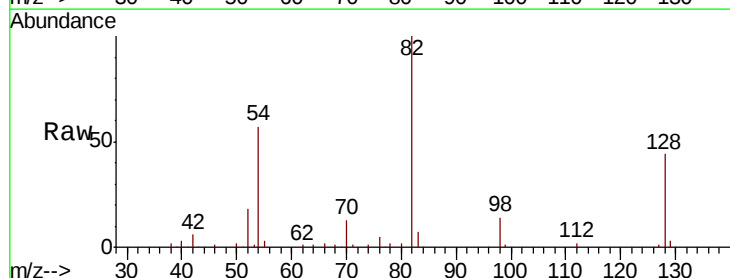


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

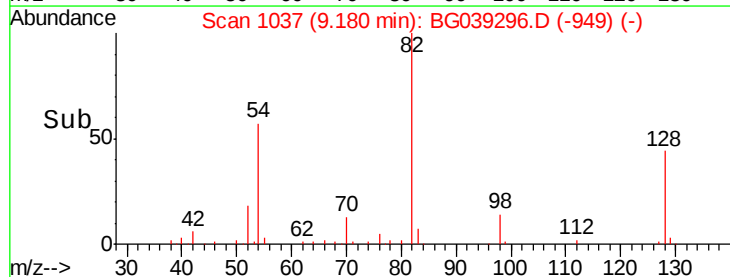
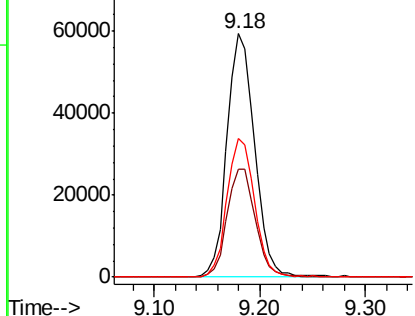


#23
Nitrobenzene-d5
Concen: 108.353 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039296.D
Acq: 26 Jan 2019 4:31

Tgt Ion:	82	Resp:	107366
Ion	Ratio	Lower	Upper
82	100		
128	44.3	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): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

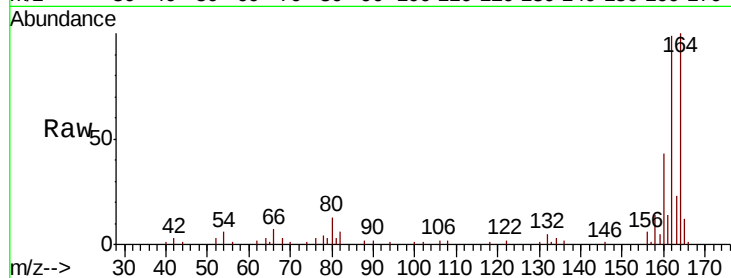
Tgt Ion:164 Resp: 37118

Ion Ratio Lower Upper

164 100

162 99.0 87.2 130.8

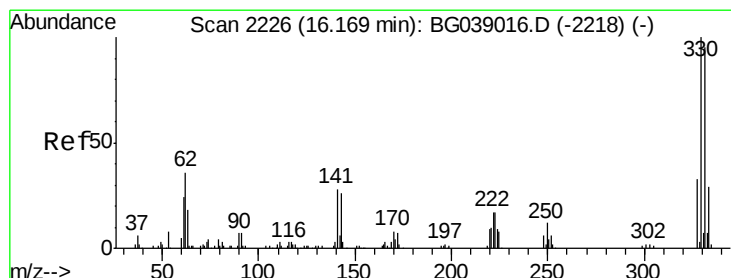
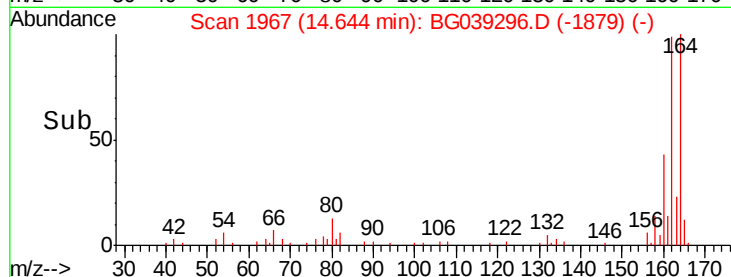
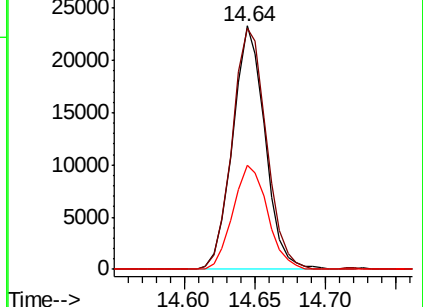
160 42.9 33.3 49.9



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: 129.985 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

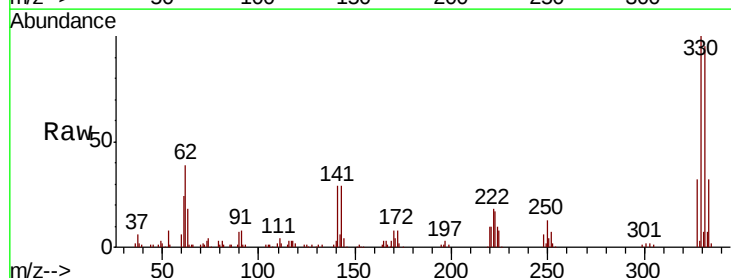
Tgt Ion:330 Resp: 80877

Ion Ratio Lower Upper

330 100

332 97.3 75.7 113.5

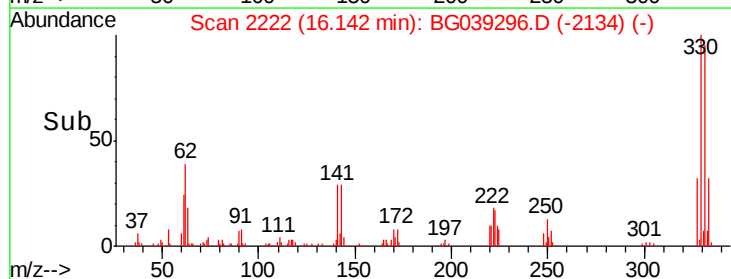
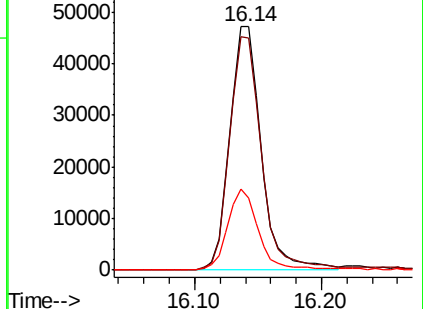
141 32.4 24.9 37.3



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

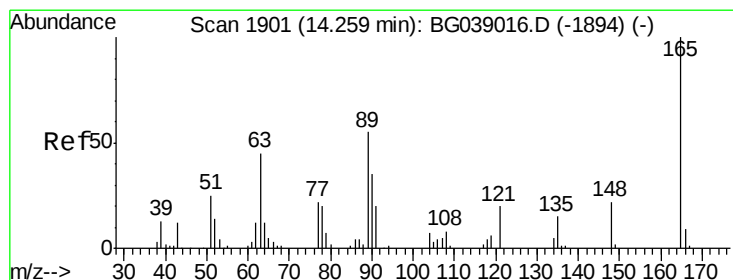
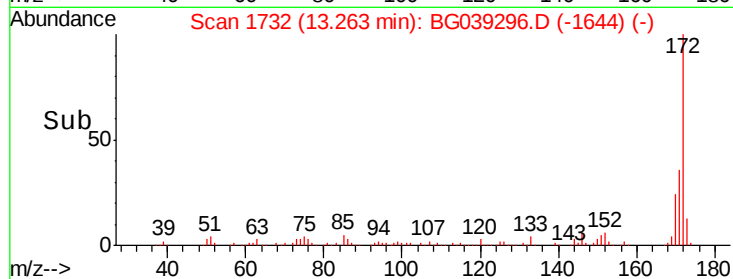
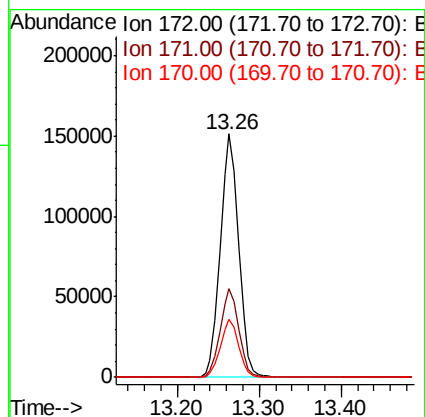
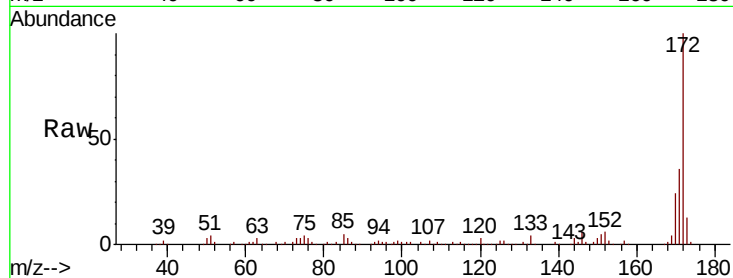




#45
 2-Fluorobiphenyl
 Concen: 87.427 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

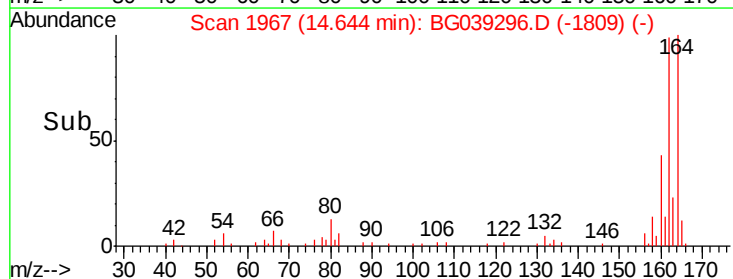
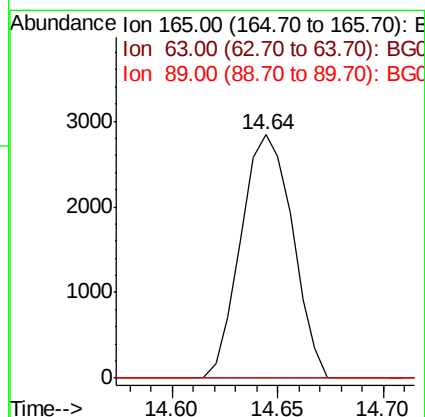
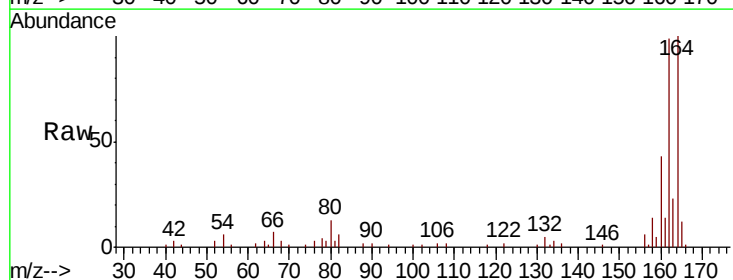
Instrument :
 BNA_G
 ClientSampleId :
 SANDHILL-RO-1-8

Tgt Ion:172 Resp: 237119
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.1 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.879 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

Tgt Ion:165 Resp: 4824
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

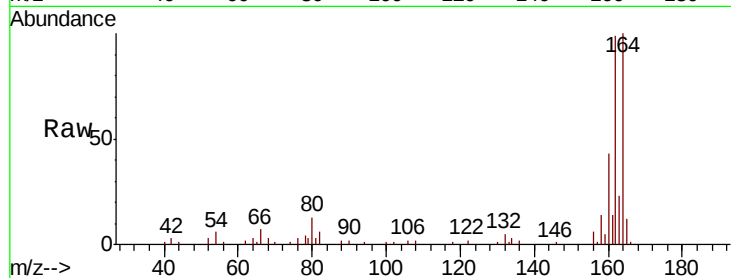




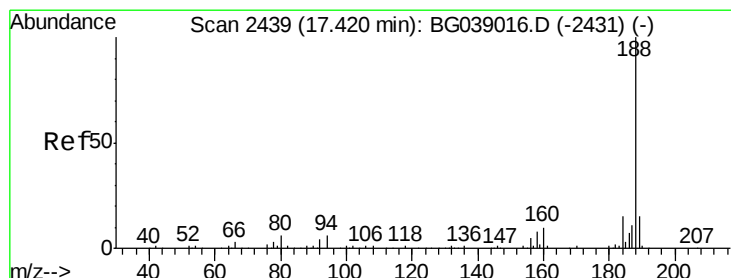
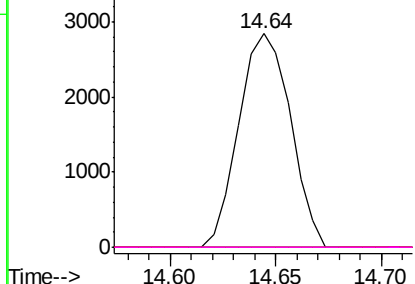
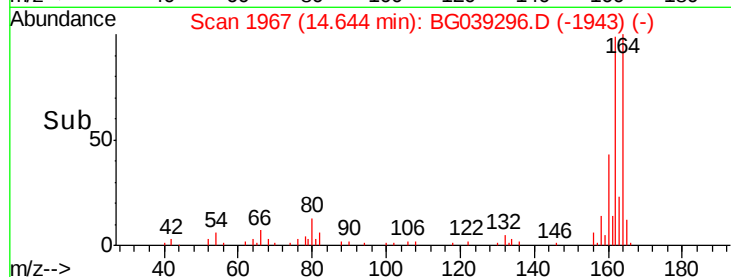
#57
 2,4-Dinitrotoluene
 Concen: 4.795 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.39 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

Instrument :
 BNA_G
 ClientSampleId :
 SANDHILL-RO-1-8

Tgt Ion:165 Resp: 4824
 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#

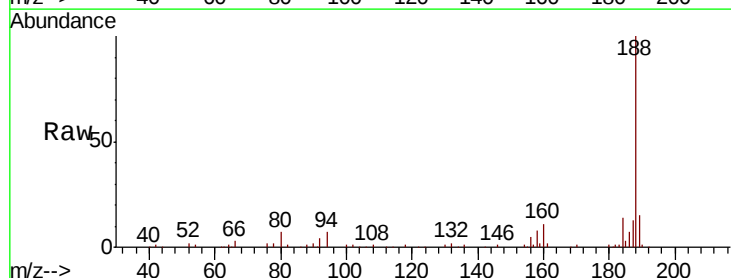


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

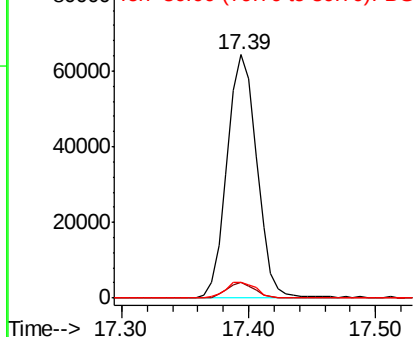
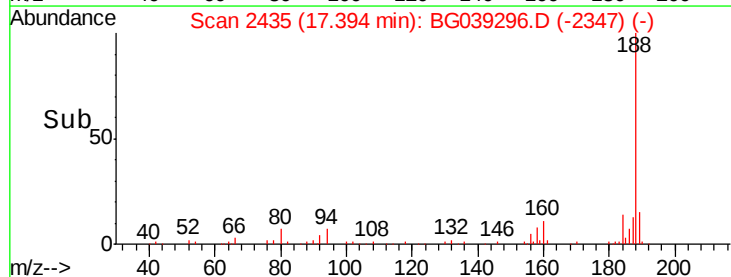


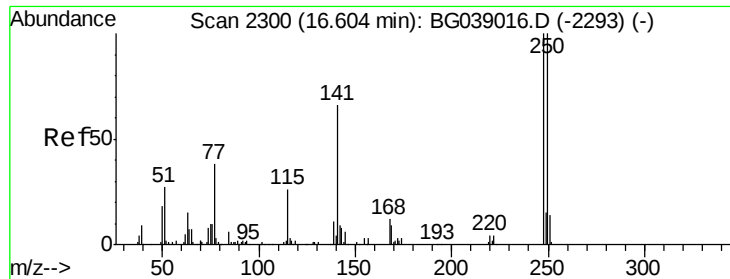
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

Tgt Ion:188 Resp: 104976
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.0 7.4
 80 6.6 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

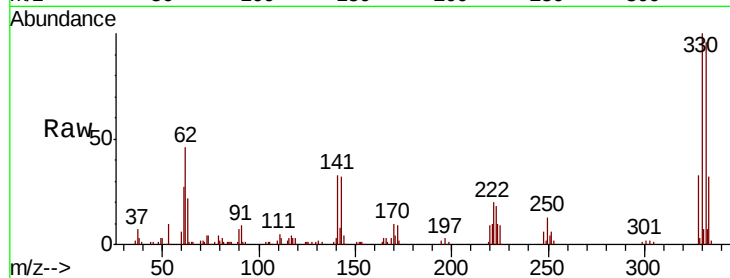




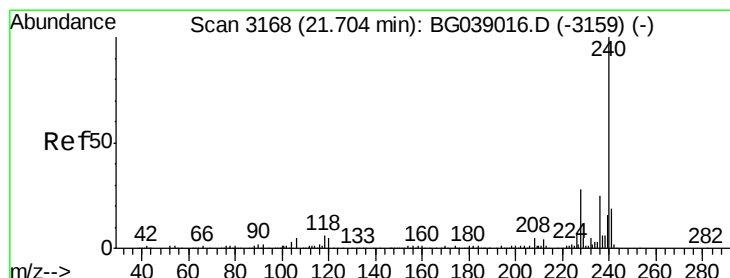
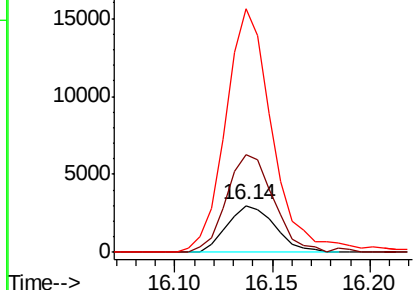
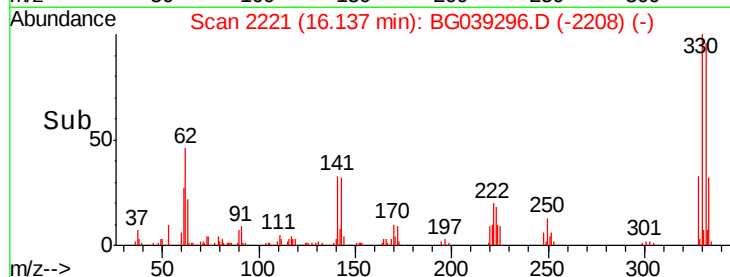
#67
 4-Bromophenyl-phenylether
 Concen: 3.751 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

Instrument :
 BNA_G
 ClientSampleId :
 SANDHILL-RO-1-8

Tgt Ion:248 Resp: 5061
 Ion Ratio Lower Upper
 248 100
 250 202.1 79.9 119.9#
 141 377.8 52.7 79.1#

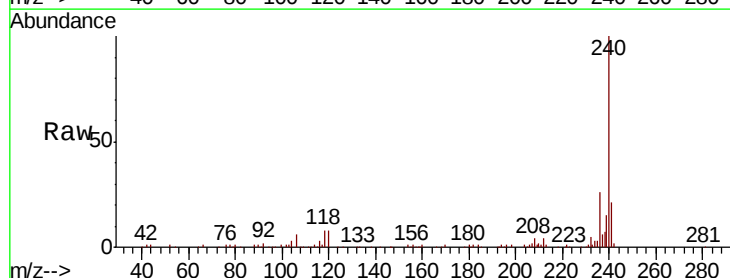


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

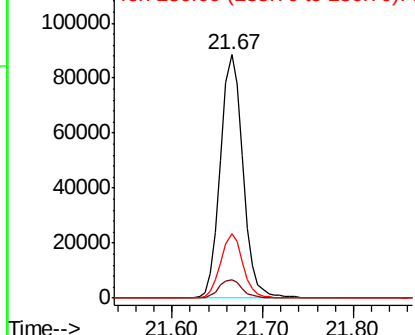
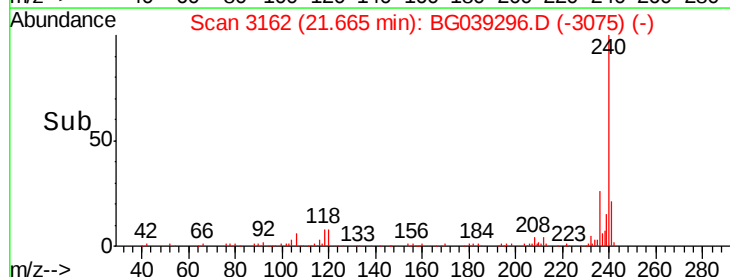


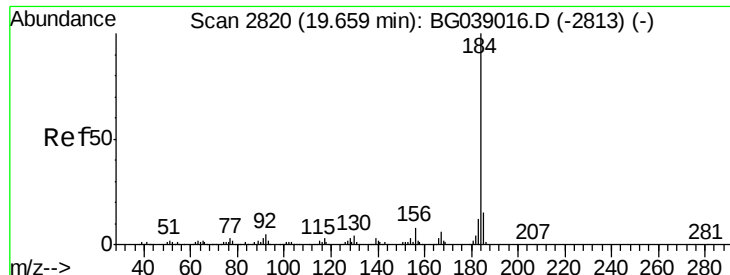
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.02 min
 Lab File: BG039296.D
 Acq: 26 Jan 2019 4:31

Tgt Ion:240 Resp: 153398
 Ion Ratio Lower Upper
 240 100
 120 7.6 4.3 6.5#
 236 26.5 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: 2.282 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.35 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

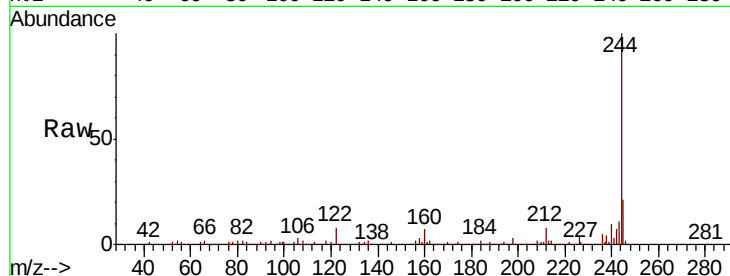
Tgt Ion:184 Resp: 10707

Ion Ratio Lower Upper

184 100

185 17.0 12.1 18.1

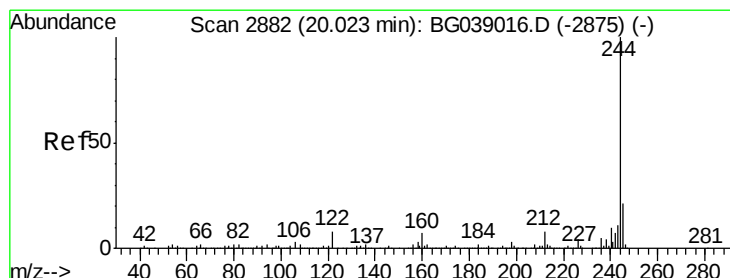
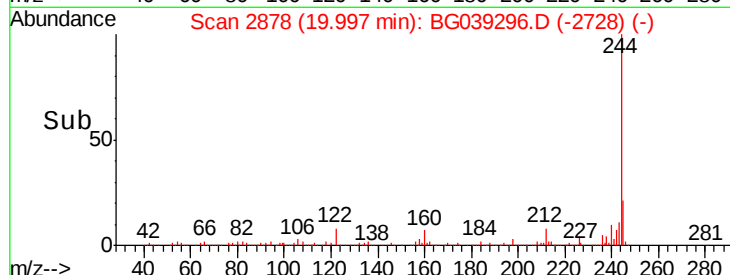
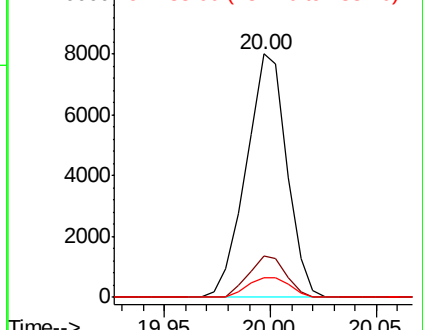
183 8.1 9.5 14.3#



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: 84.479 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039296.D

Acq: 26 Jan 2019 4:31

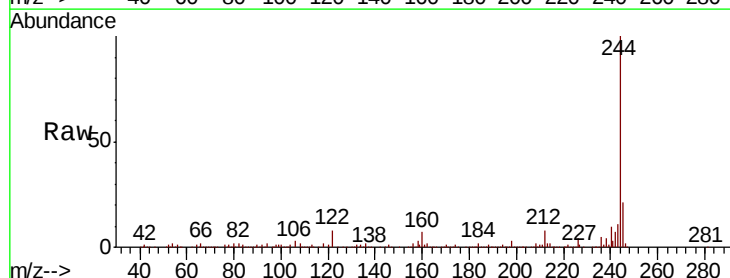
Tgt Ion:244 Resp: 700525

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

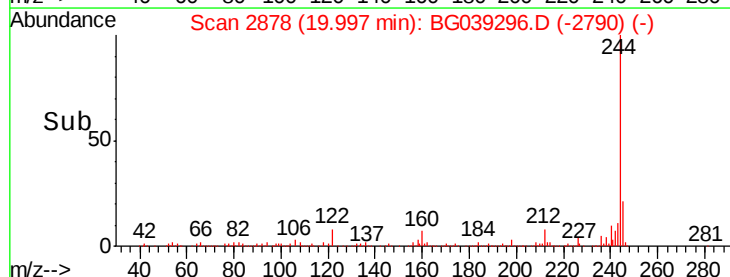
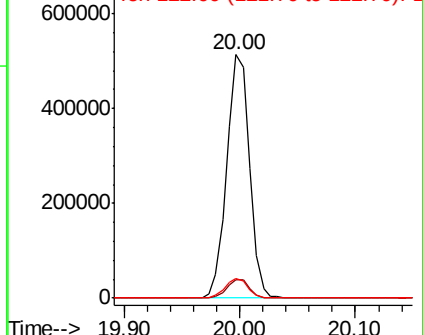
122 8.3 6.1 9.1

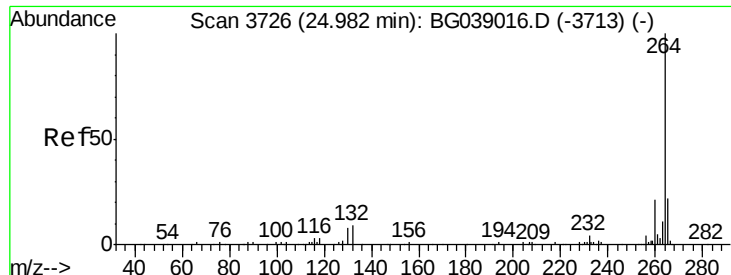


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039296.D
Acq: 26 Jan 2019 4:31

Instrument :
BNA_G
ClientSampleId :
SANDHILL-RO-1-8

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.0	25.6
265	20.1	17.2	25.8

