

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039282.D
 Acq On : 25 Jan 2019 17:22
 Operator : JU/SJ
 Sample : K1233-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 28 03:13:57 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

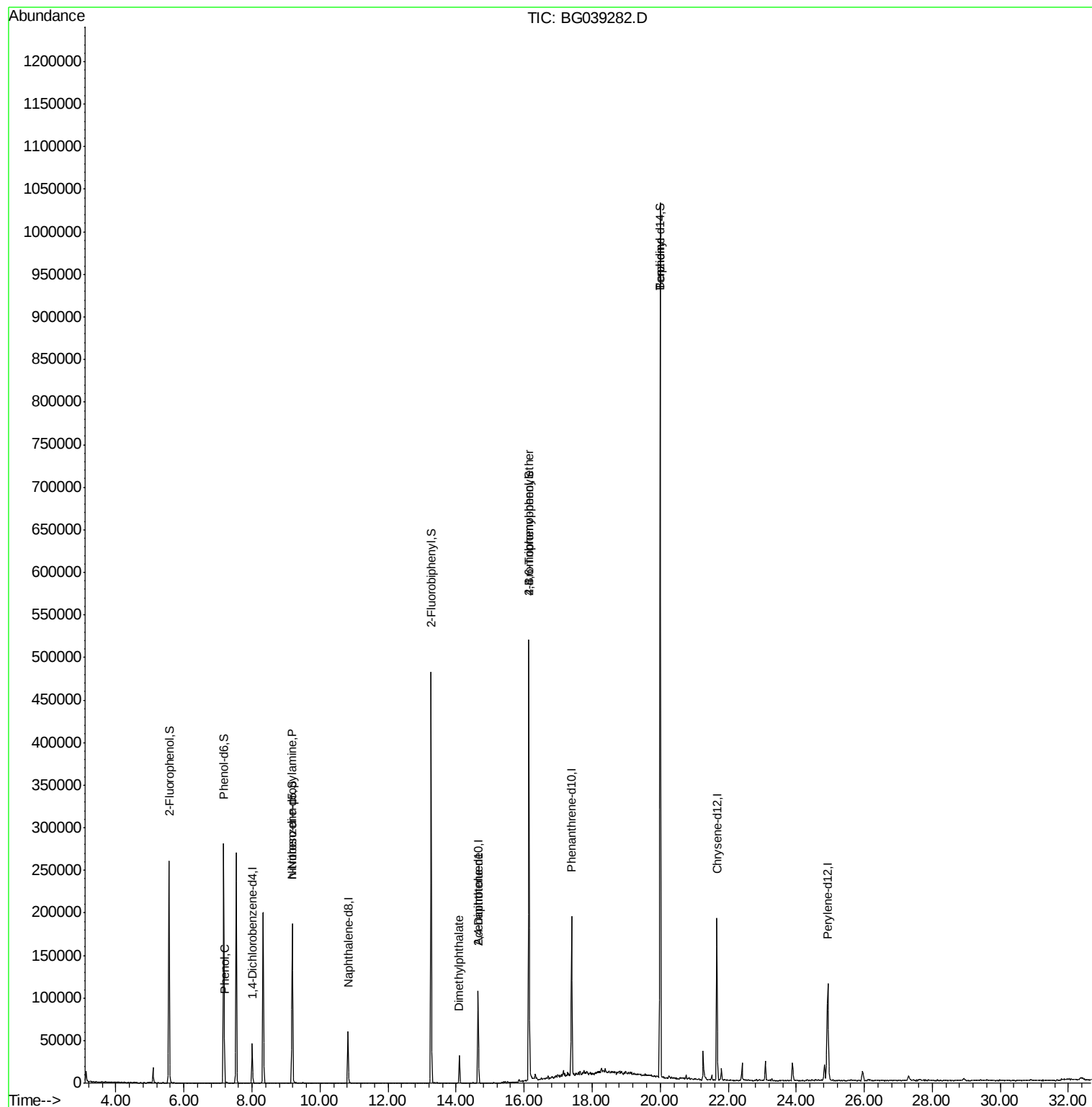
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15094	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	58987	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	40316	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	117865	20.00	ng	0.00
76) Chrysene-d12	21.67	240	123484	20.00	ng	-0.02
87) Perylene-d12	24.93	264	144913	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	118666	149.14	ng	0.00
7) Phenol-d6	7.17	99	163843	143.08	ng	0.00
23) Nitrobenzene-d5	9.18	82	107664	99.87	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	113323	167.69	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	263608	89.48	ng	0.00
79) Terphenyl-d14	20.00	244	527860	79.08	ng	0.00
Target Compounds						
10) Phenol	7.19	94	2737	2.384	ng	75
19) n-Nitroso-di-n-propylamine	9.18	70	13943	18.542	ng	# 66
50) Dimethylphthalate	14.10	163	24980	7.332	ng	99
57) 2,4-Dinitrotoluene	14.64	165	4936	4.517	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	7814	5.157	ng	# 1
77) Benzidine	20.00	184	8713	2.307	ng	# 92

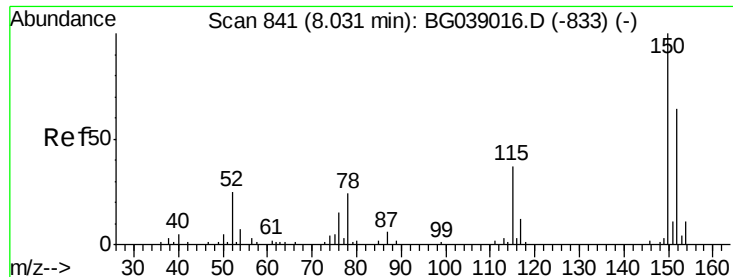
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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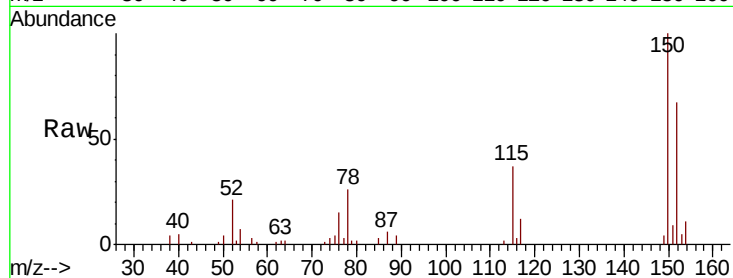


#1

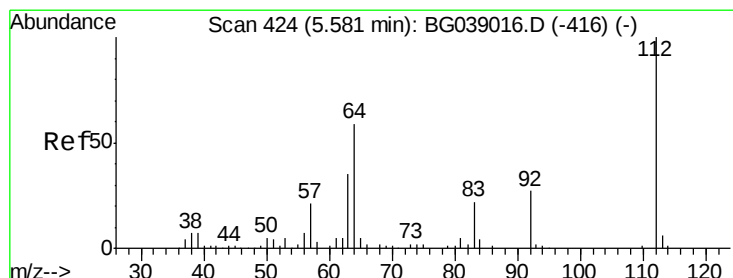
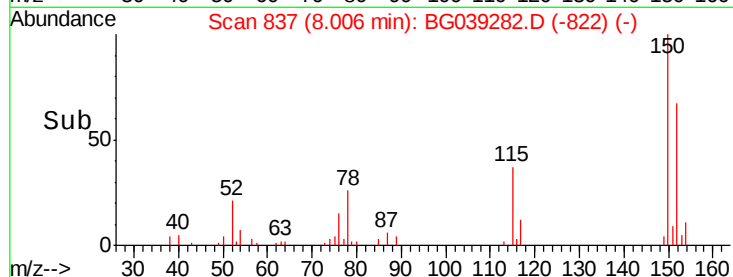
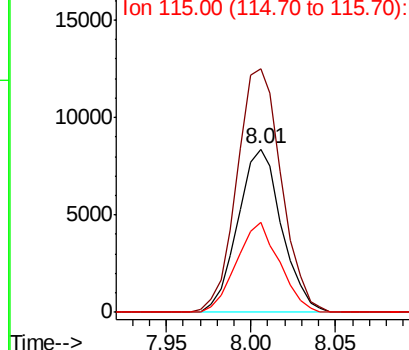
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

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

Tgt Ion:152 Resp: 15094
Ion Ratio Lower Upper
152 100
150 149.4 124.7 187.1
115 54.9 46.5 69.7



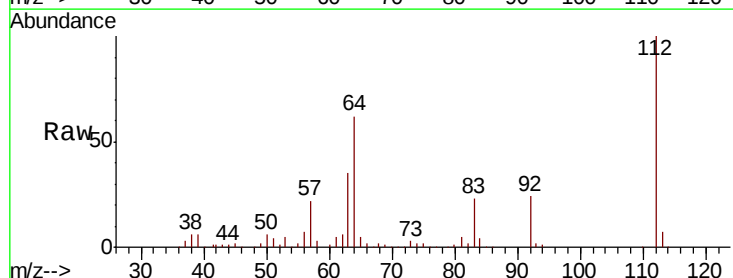
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



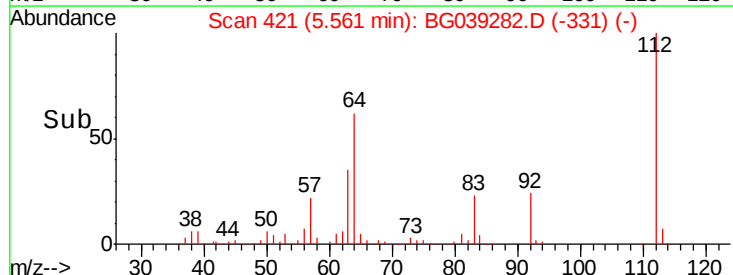
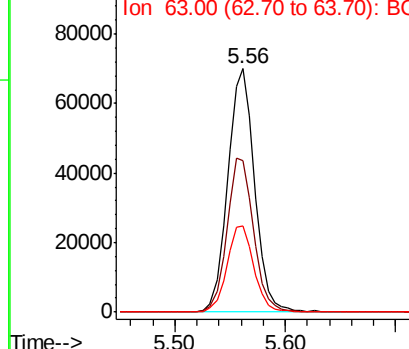
#5

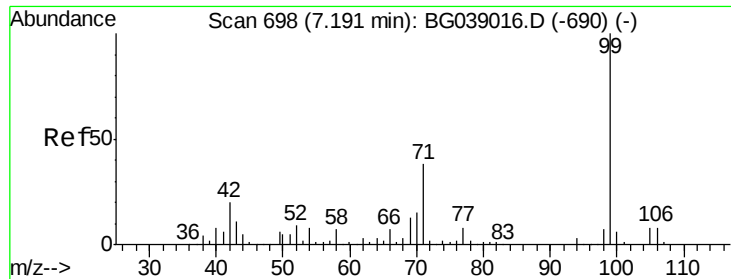
2-Fluorophenol
Concen: 149.137 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

Tgt Ion:112 Resp: 118666
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.6
63 35.5 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: 143.083 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

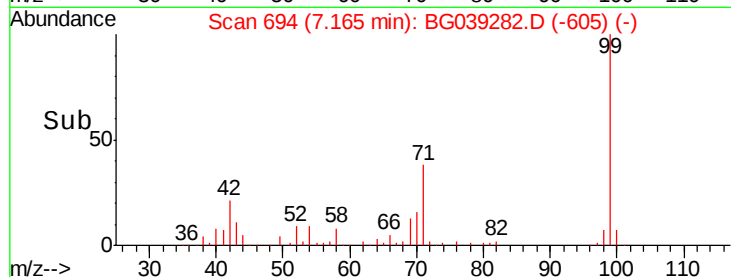
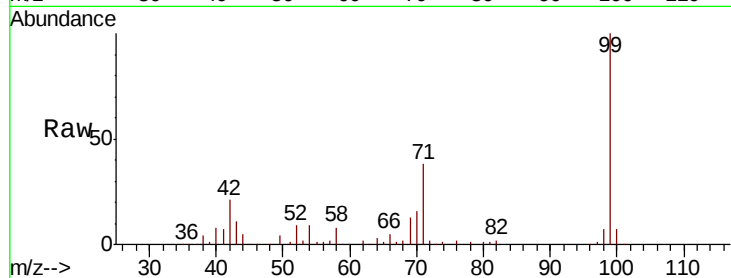
Tgt Ion: 99 Resp: 163843

Ion Ratio Lower Upper

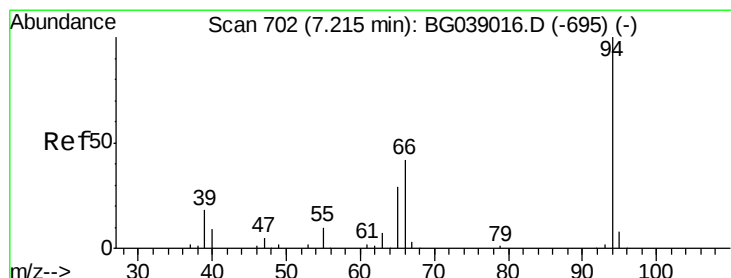
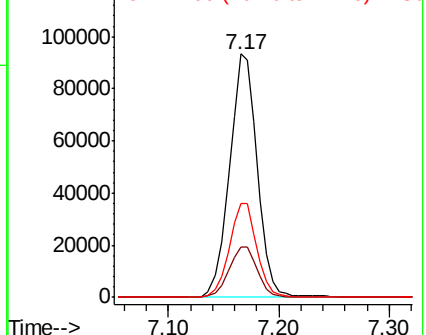
99 100

42 20.7 15.8 23.6

71 38.5 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



#10

Phenol

Concen: 2.384 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

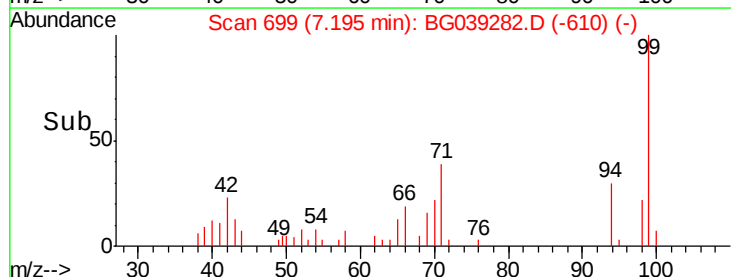
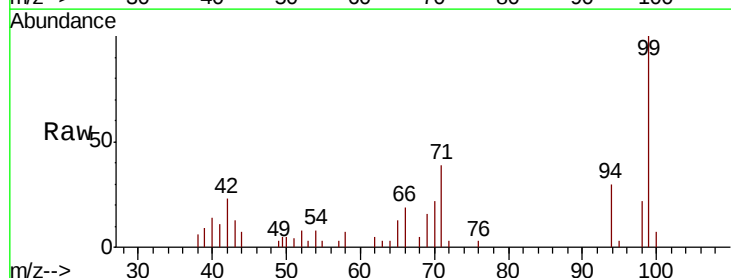
Tgt Ion: 94 Resp: 2737

Ion Ratio Lower Upper

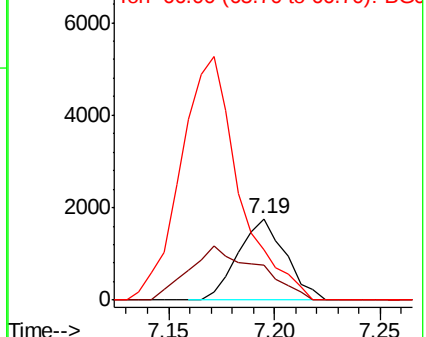
94 100

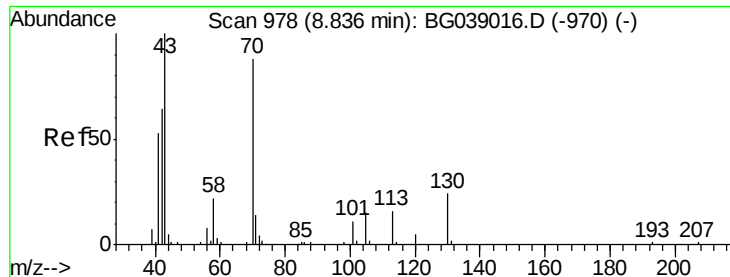
65 42.8 10.3 50.3

66 62.4 25.1 65.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

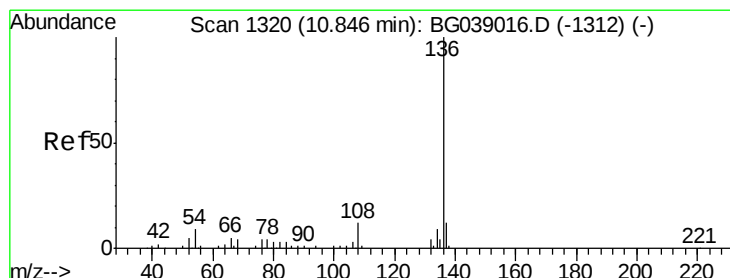
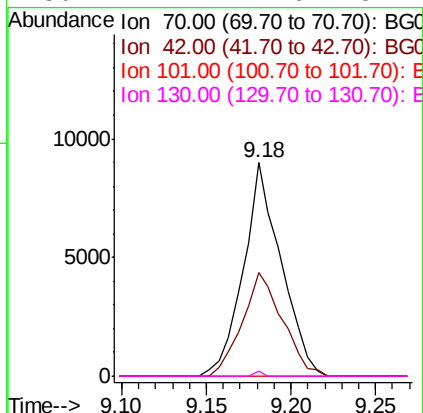
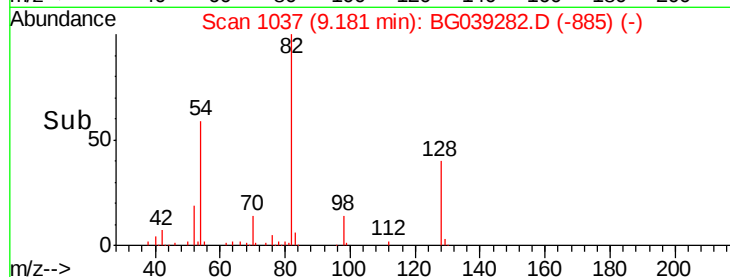
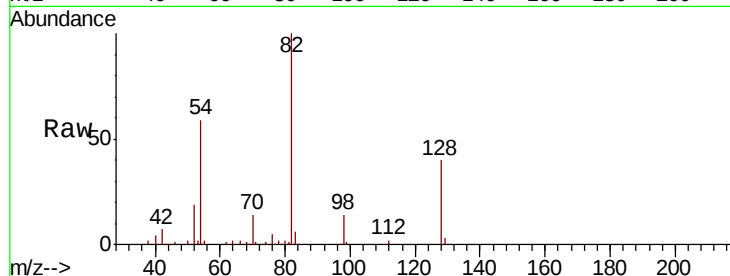




#19
n-Nitroso-di-n-propylamine
Concen: 18.542 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.36 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

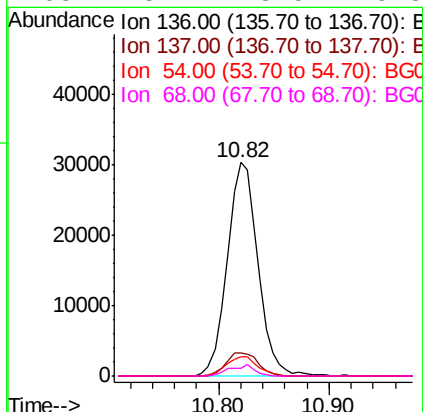
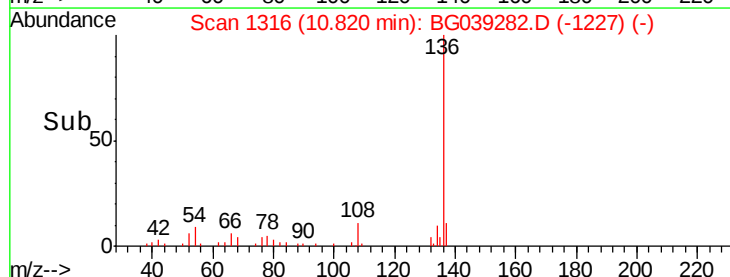
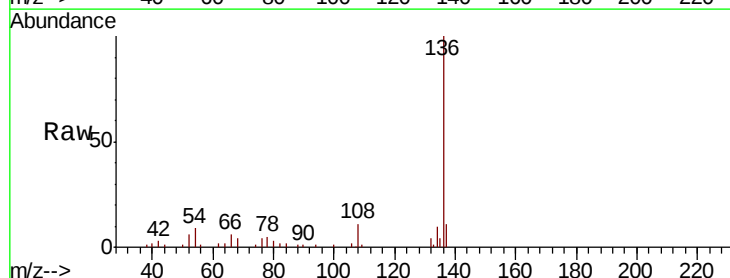
Instrument :
BNA_G
ClientSampleId :
SANDHILL-RO-1-8

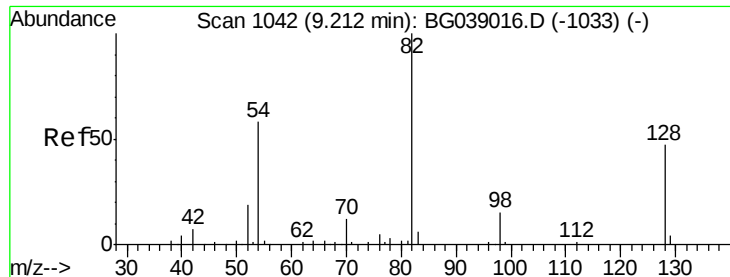
Tgt Ion: 70 Resp: 13943
Ion Ratio Lower Upper
70 100
42 48.4 59.0 88.4#
101 0.0 10.4 15.6#
130 2.4 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

Tgt Ion: 136 Resp: 58987
Ion Ratio Lower Upper
136 100
137 10.6 9.4 14.2
54 8.7 7.2 10.8
68 3.7 3.5 5.3





#23

Nitrobenzene-d5

Concen: 99.875 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

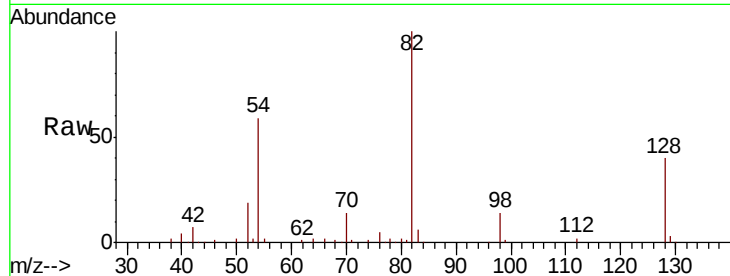
Tgt Ion: 82 Resp: 107664

Ion Ratio Lower Upper

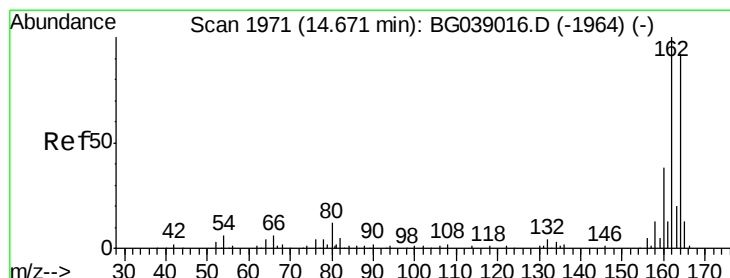
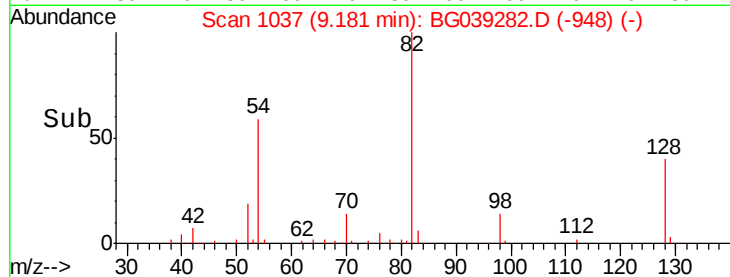
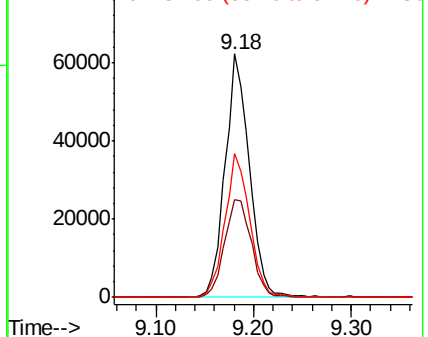
82 100

128 40.2 37.3 55.9

54 59.2 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: BG039282.D

Acq: 25 Jan 2019 17:22

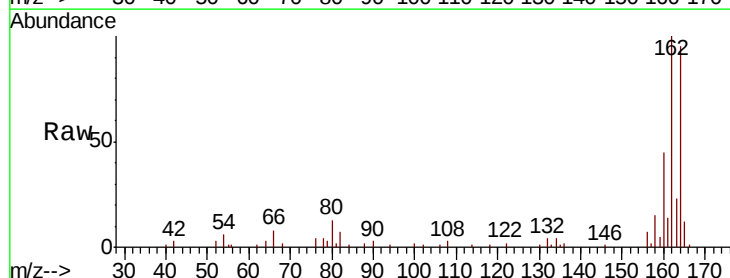
Tgt Ion: 164 Resp: 40316

Ion Ratio Lower Upper

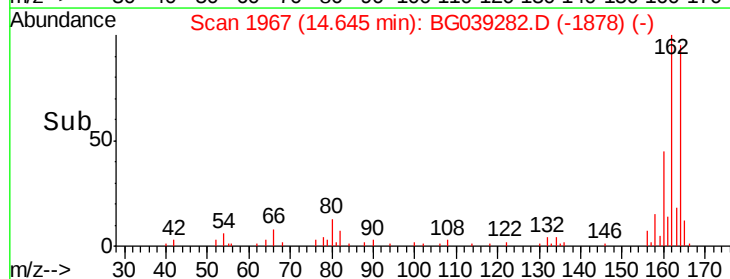
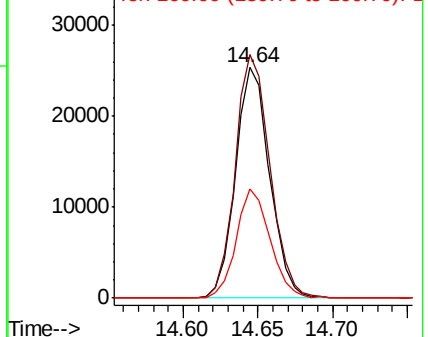
164 100

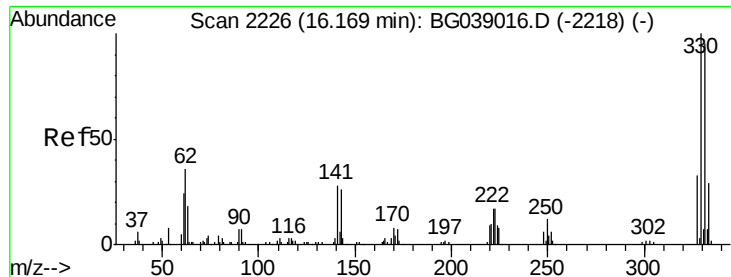
162 105.6 87.2 130.8

160 47.2 33.3 49.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 167.685 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

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ClientSampleId :

SANDHILL-RO-1-8

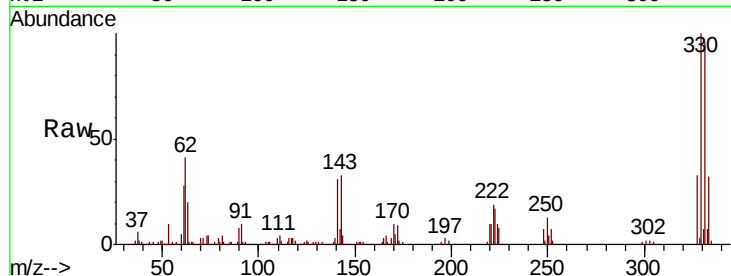
Tgt Ion:330 Resp: 113323

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

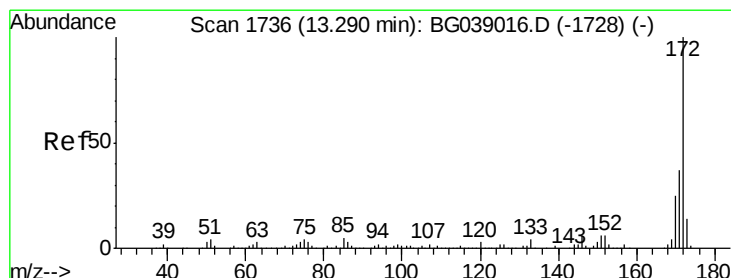
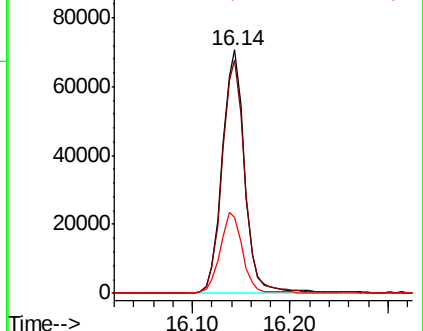
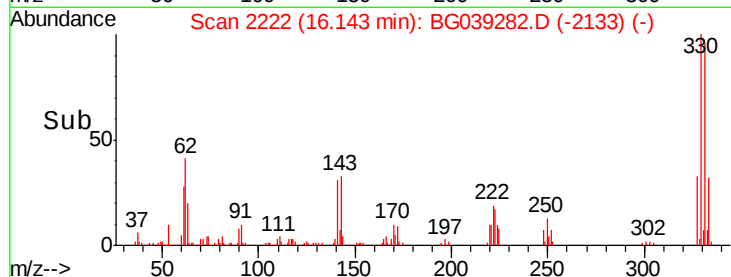
141 32.5 24.9 37.3



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: 89.484 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

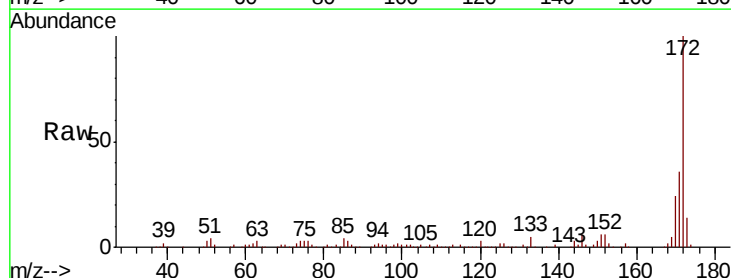
Tgt Ion:172 Resp: 263608

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

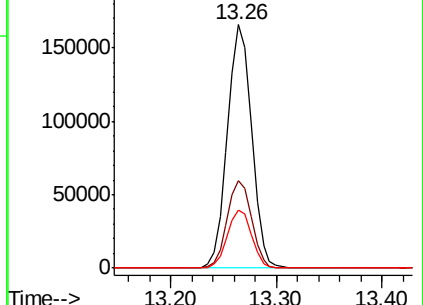
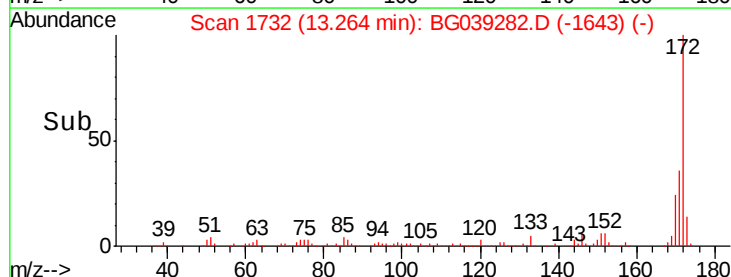
170 23.8 20.1 30.1

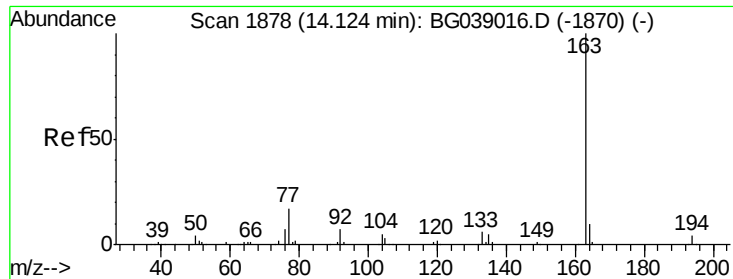


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

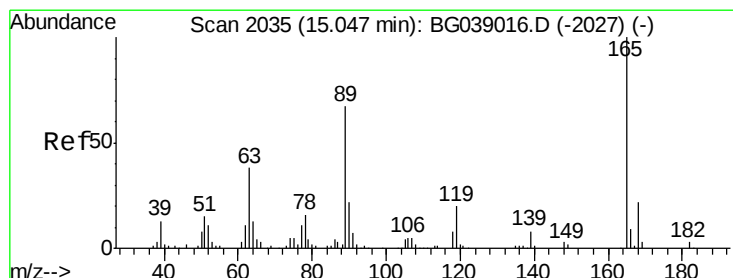
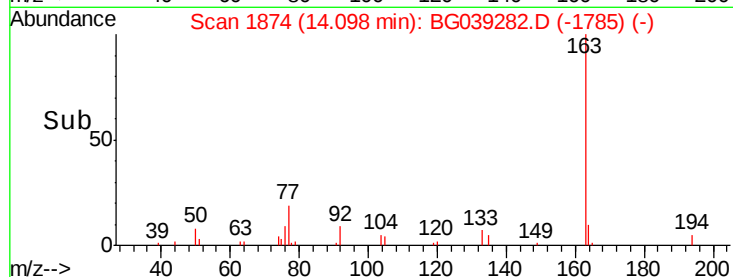
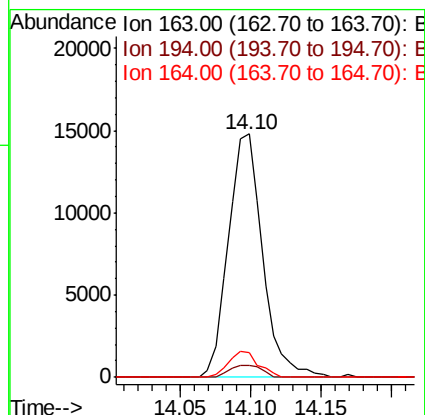
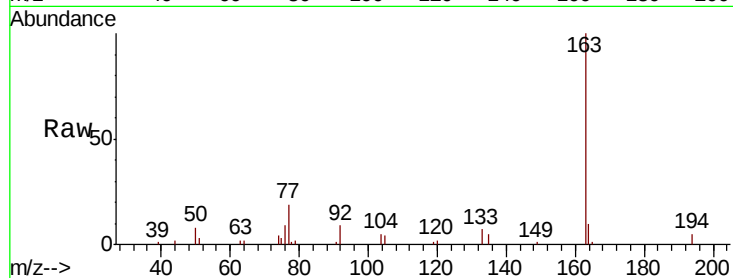




#50
Dimethylphthalate
Concen: 7.332 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

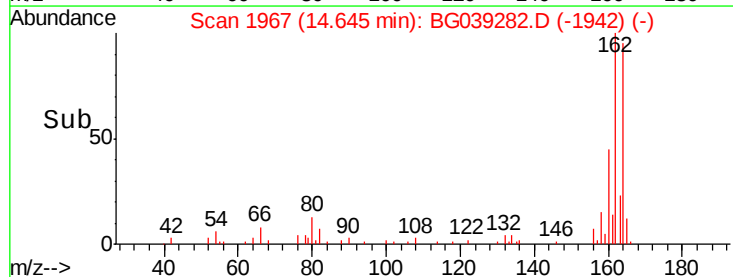
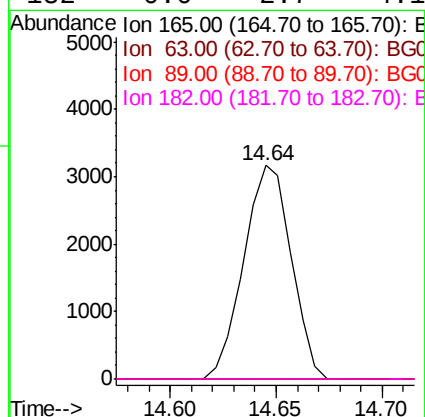
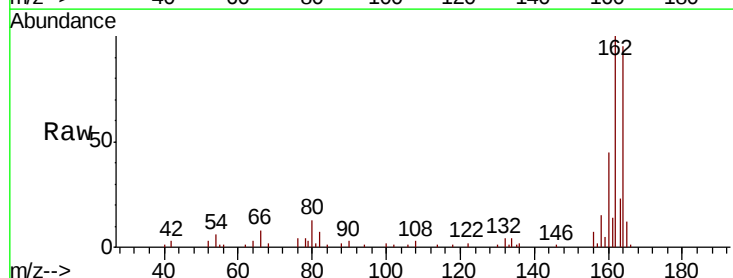
Instrument :
BNA_G
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SANDHILL-RO-1-8

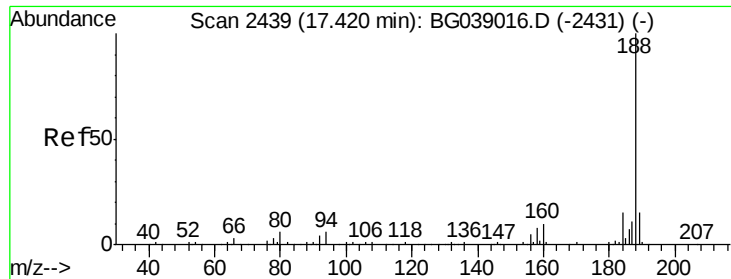
Tgt Ion:163 Resp: 24980
Ion Ratio Lower Upper
163 100
194 5.1 3.6 5.4
164 10.4 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 4.517 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.39 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

Tgt Ion:165 Resp: 4936
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#

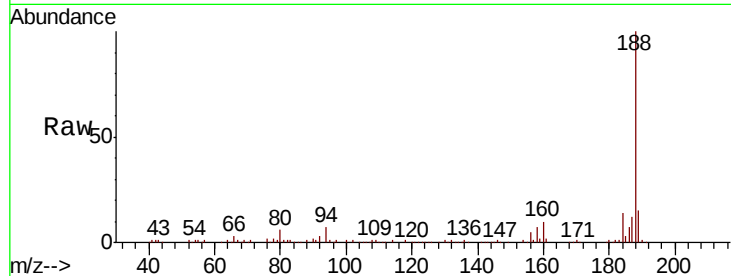




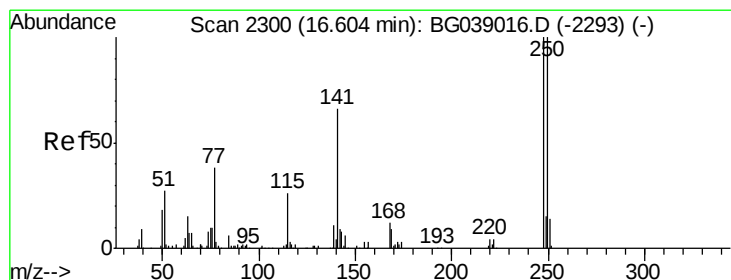
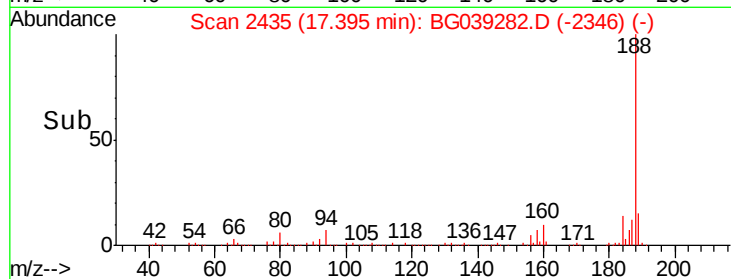
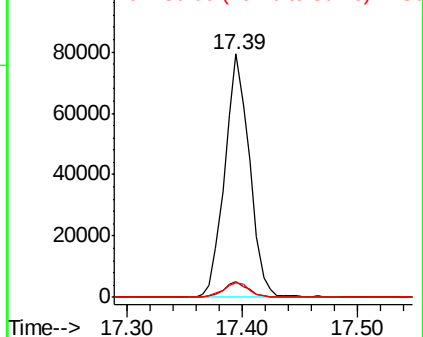
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

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

Tgt Ion:188 Resp: 117865
Ion Ratio Lower Upper
188 100
94 6.6 5.0 7.4
80 6.1 4.7 7.1

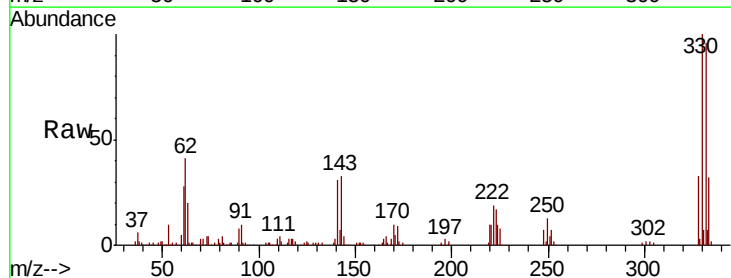


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

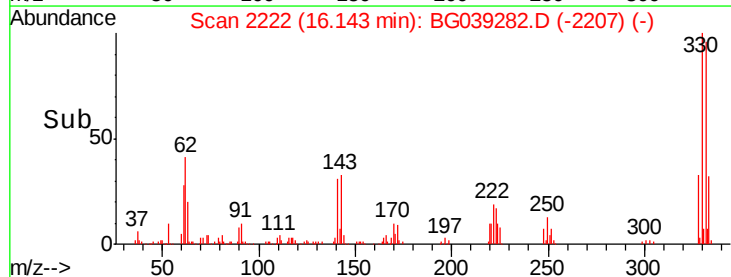
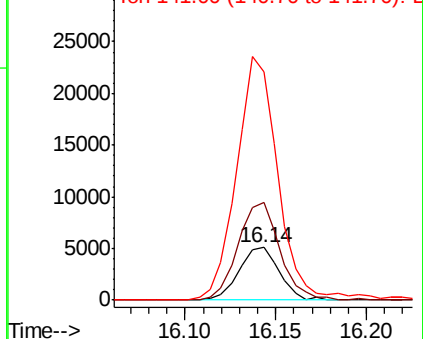


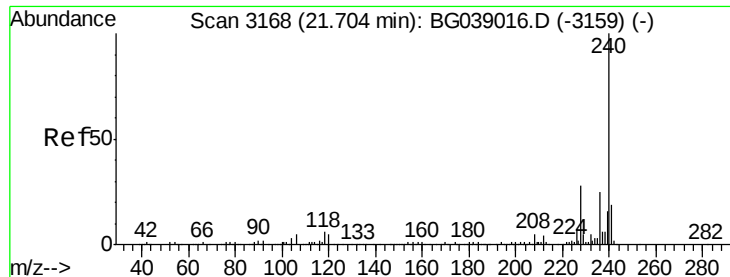
#67
4-Bromophenyl-phenylether
Concen: 5.157 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG039282.D
Acq: 25 Jan 2019 17:22

Tgt Ion:248 Resp: 7814
Ion Ratio Lower Upper
248 100
250 187.3 79.9 119.9#
141 328.0 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: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA_G

ClientSampleId :

SANDHILL-RO-1-8

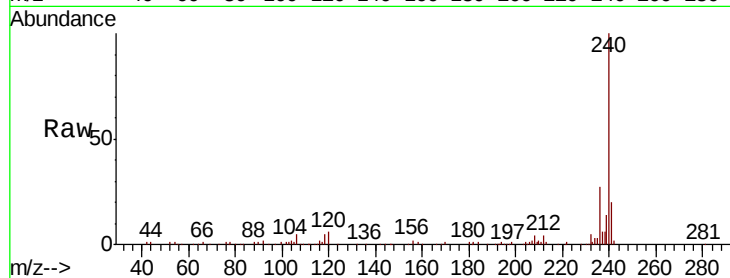
Tgt Ion:240 Resp: 123484

Ion Ratio Lower Upper

240 100

120 6.4 4.3 6.5

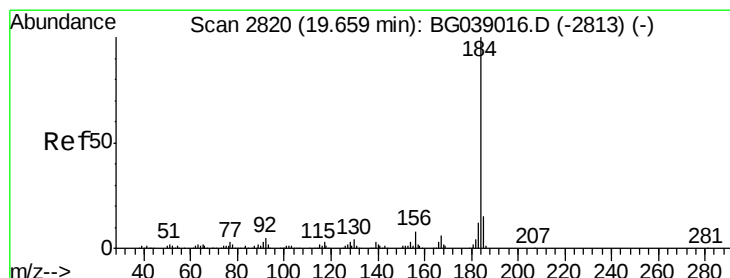
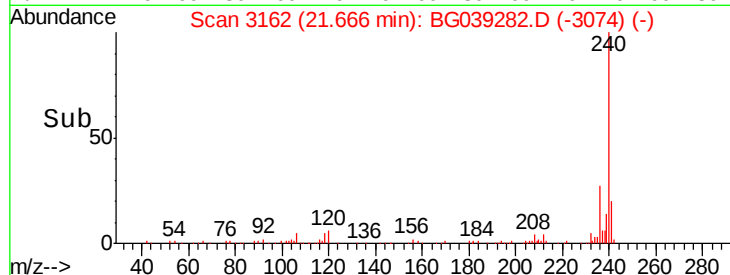
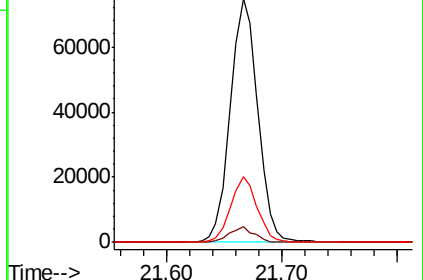
236 27.2 20.1 30.1



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: 2.307 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.35 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

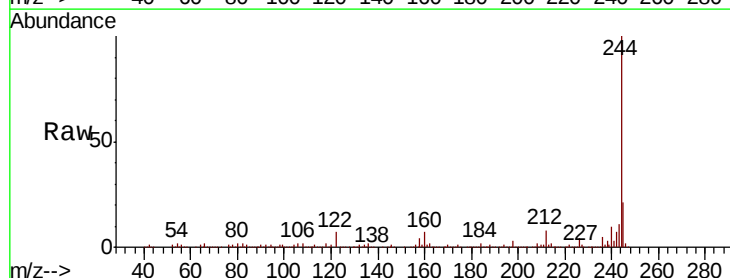
Tgt Ion:184 Resp: 8713

Ion Ratio Lower Upper

184 100

185 17.3 12.1 18.1

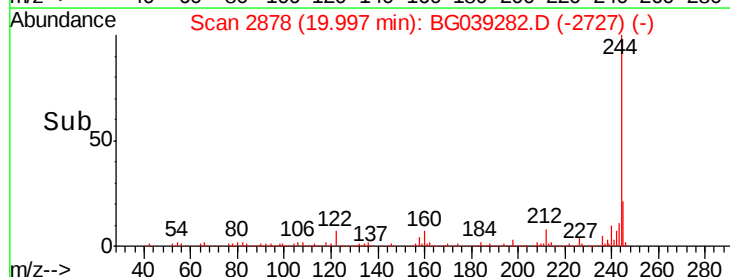
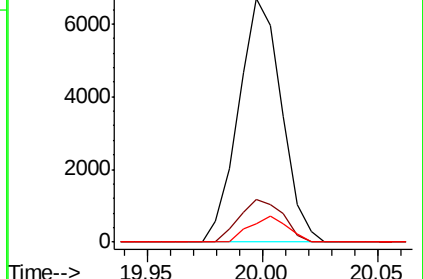
183 7.7 9.5 14.3#

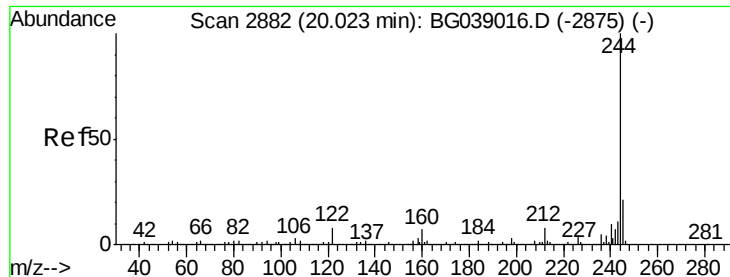


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

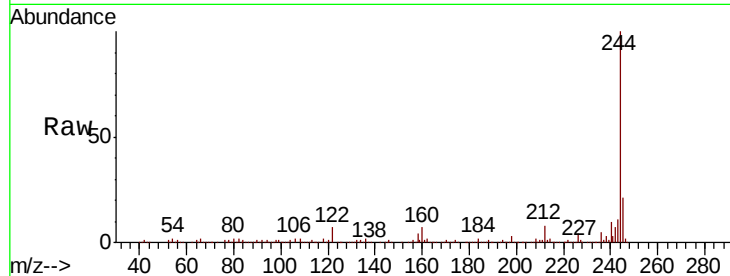




#79
 Terphenyl-d14
 Concen: 79.078 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.01 min
 Lab File: BG039282.D
 Acq: 25 Jan 2019 17:22

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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	6.7	6.1	9.1

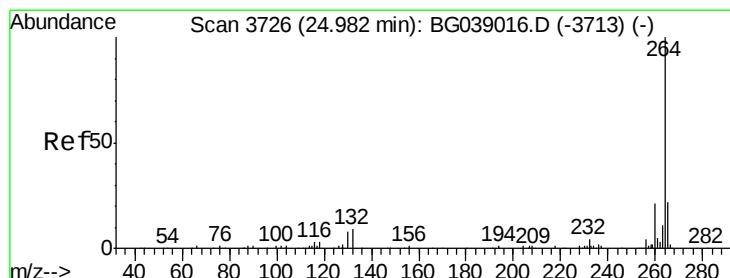
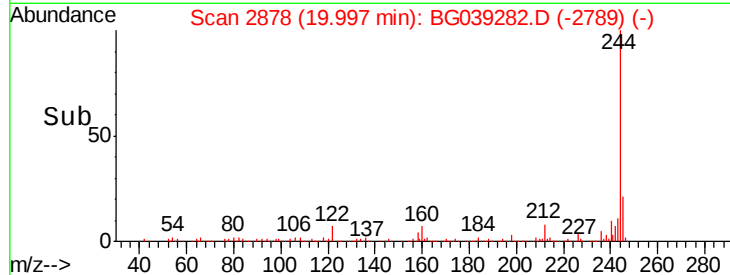
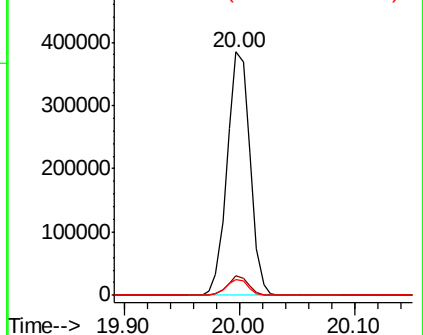


Abundance

Ion 244.00 (243.70 to 244.70): E

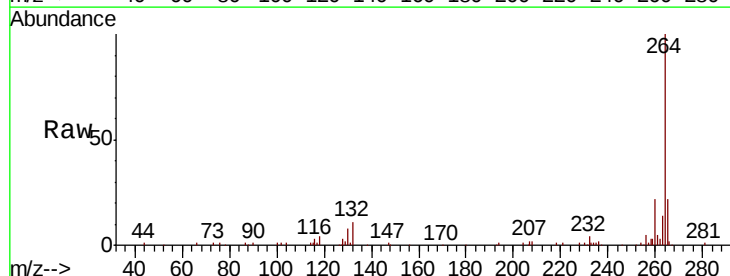
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.02 min
 Lab File: BG039282.D
 Acq: 25 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.0	25.6
265	22.4	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

