

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030719\
 Data File : BG039805.D
 Acq On : 7 Mar 2019 16:50
 Operator : JU/SJ
 Sample : K1780-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Quant Time: Mar 07 23:52:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

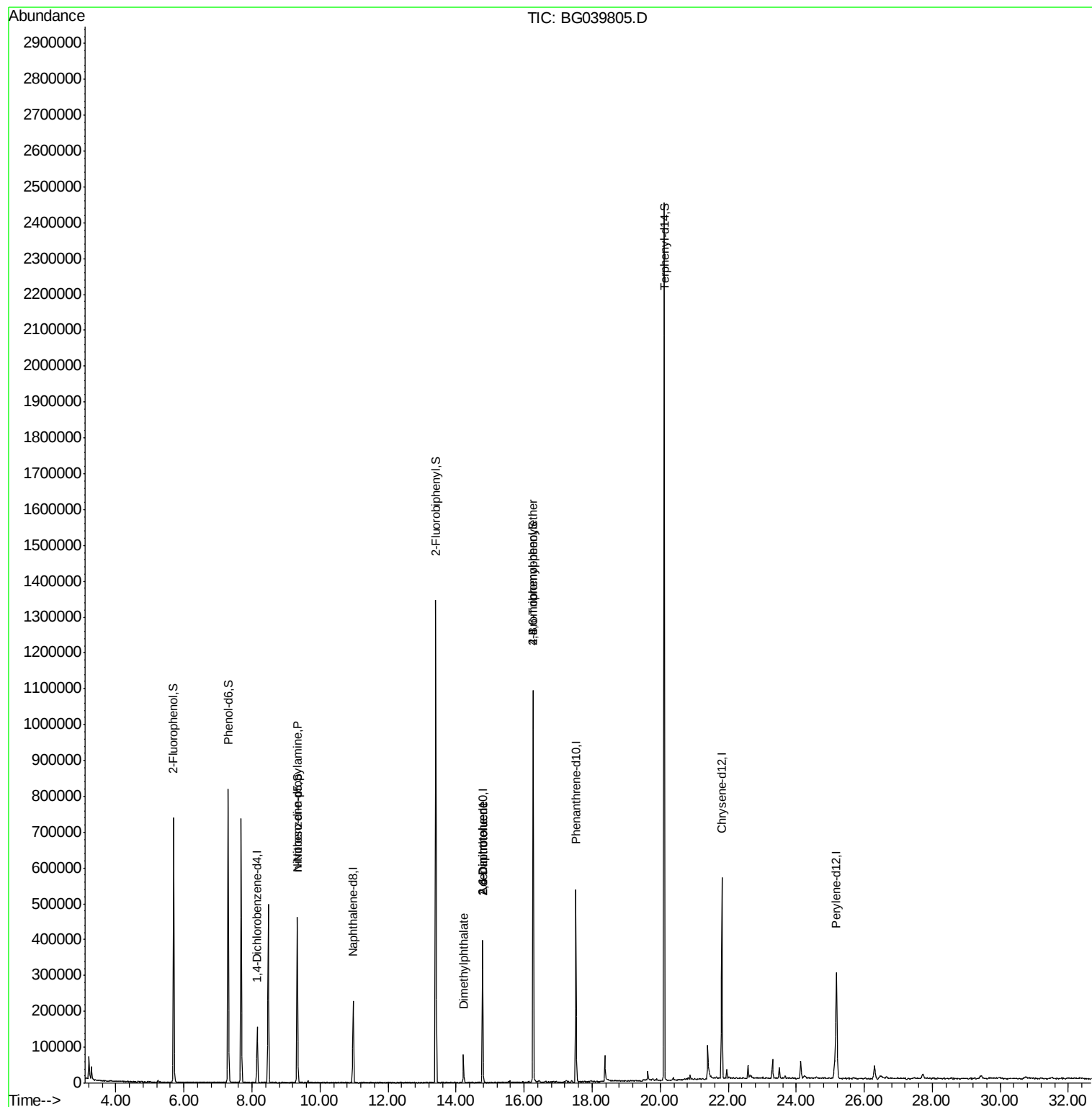
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	41942	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	195159	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	140127	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	341063	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	338192	20.00	ng	-0.02
87) Perylene-d12	25.18	264	336627	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	303596	123.49	ng	-0.01
7) Phenol-d6	7.30	99	460214	125.54	ng	-0.01
23) Nitrobenzene-d5	9.33	82	271316	75.19	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	189700	116.15	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	710392	72.18	ng	-0.01
79) Terphenyl-d14	20.12	244	1093553	71.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	33739	12.787	ng	Qvalue # 69
50) Dimethylphthalate	14.22	163	52971	4.521	ng	97
51) 2,6-Dinitrotoluene	14.78	165	18430	7.419	ng	# 22
57) 2,4-Dinitrotoluene	14.78	165	18430	5.280	ng	# 17
67) 4-Bromophenyl-phenylether	16.27	248	14962	3.919	ng	# 1

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

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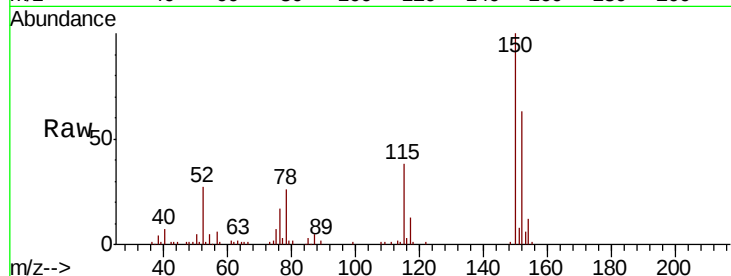


#1

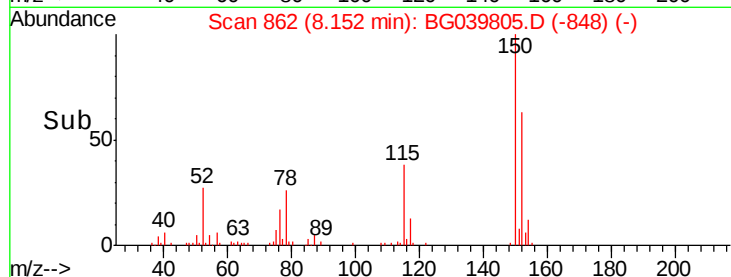
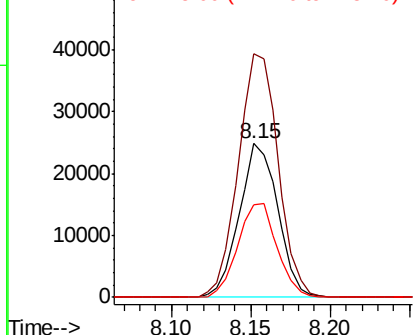
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

Instrument :
BNA_F
ClientSampleId :
SOIL-B

Tgt Ion:152 Resp: 41942
Ion Ratio Lower Upper
152 100
150 158.4 123.7 185.5
115 60.3 45.9 68.9



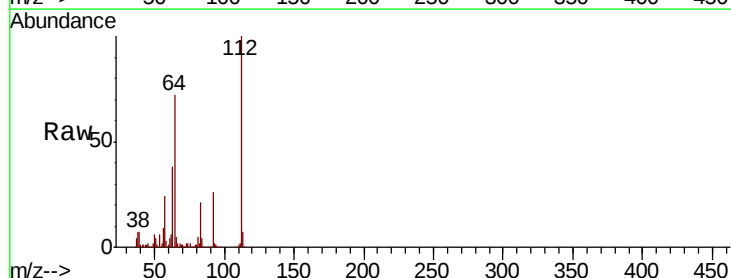
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



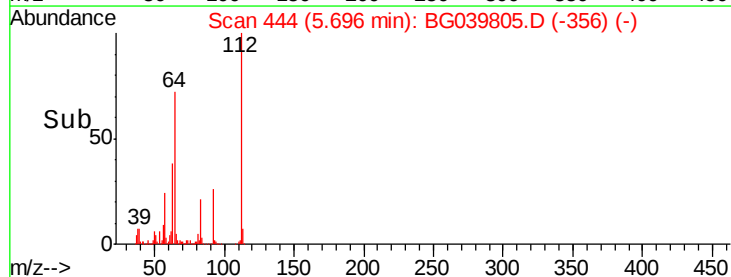
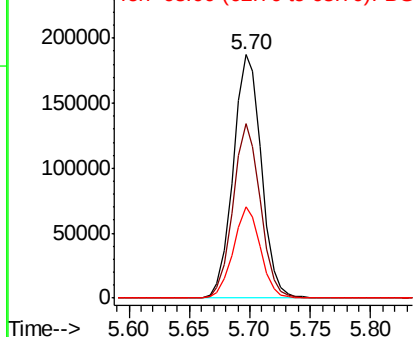
#5

2-Fluorophenol
Concen: 123.489 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

Tgt Ion:112 Resp: 303596
Ion Ratio Lower Upper
112 100
64 71.5 57.8 86.8
63 37.7 29.8 44.6



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: 125.544 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039805.D

Acq: 7 Mar 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SOIL-B

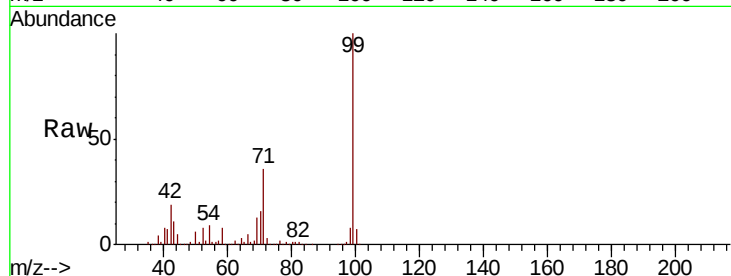
Tgt Ion: 99 Resp: 460214

Ion Ratio Lower Upper

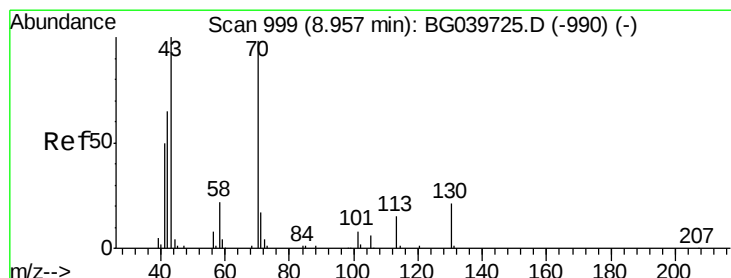
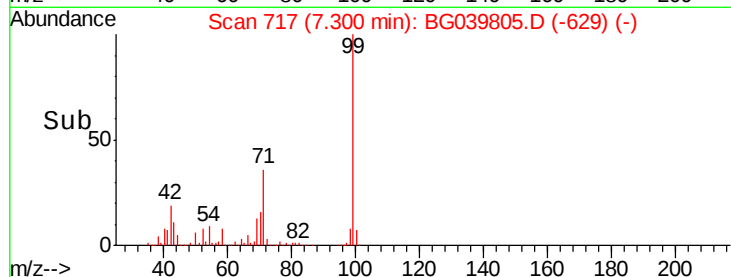
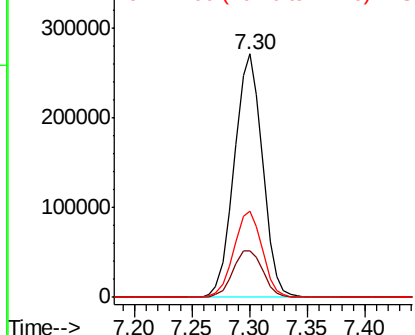
99 100

42 19.0 18.2 27.2

71 35.6 28.0 42.0



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: 12.787 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039805.D

Acq: 7 Mar 2019 16:50

Tgt Ion: 70 Resp: 33739

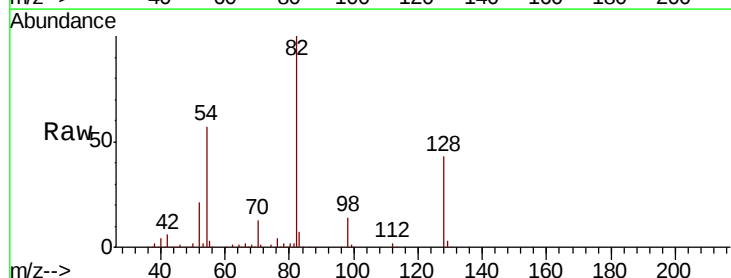
Ion Ratio Lower Upper

70 100

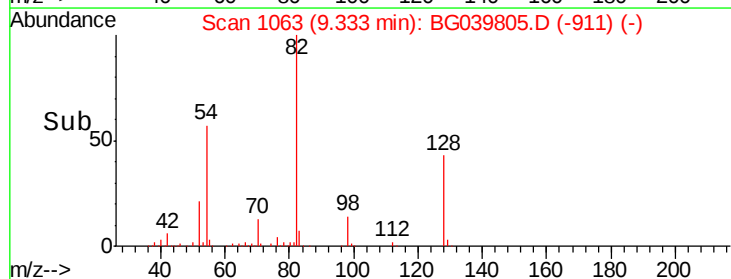
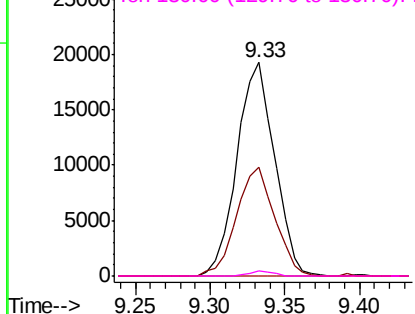
42 50.9 60.4 90.6#

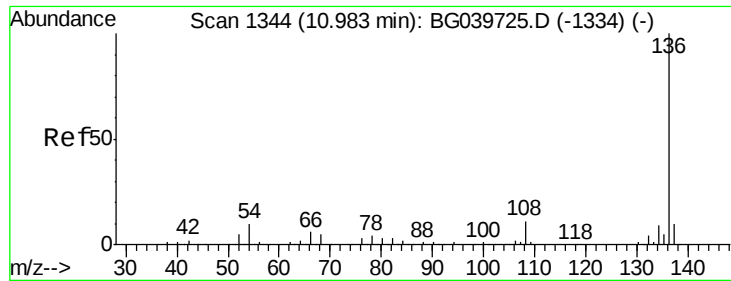
101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



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

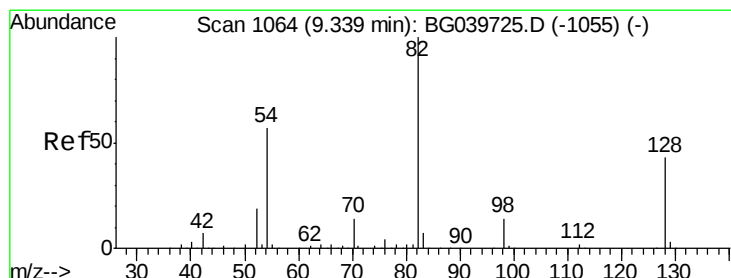
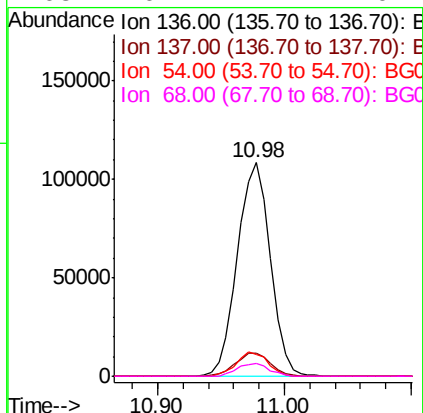
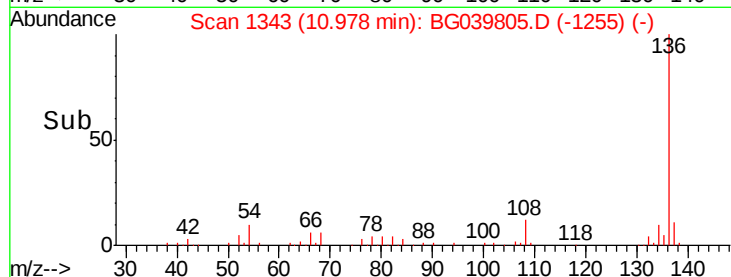
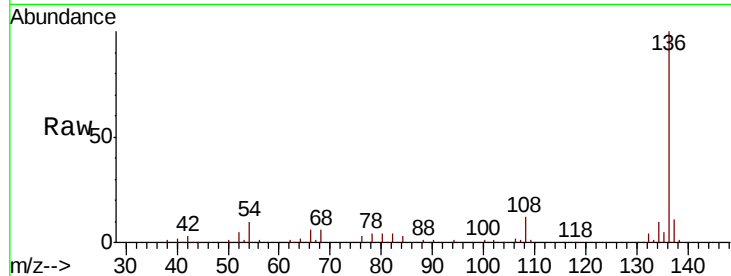




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

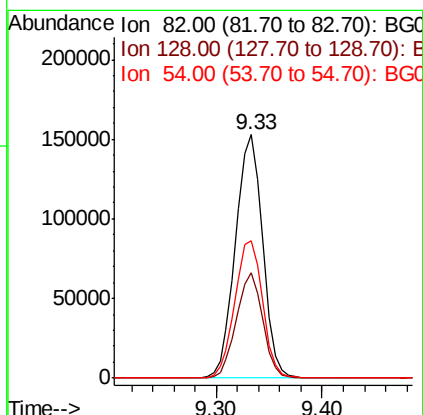
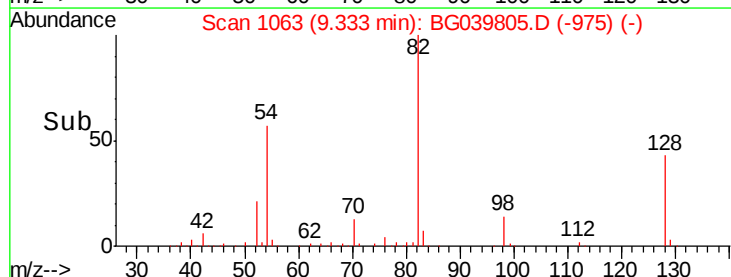
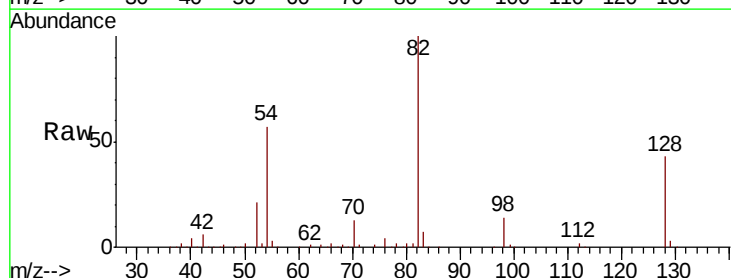
Instrument :
BNA_F
ClientSampleId :
SOIL-B

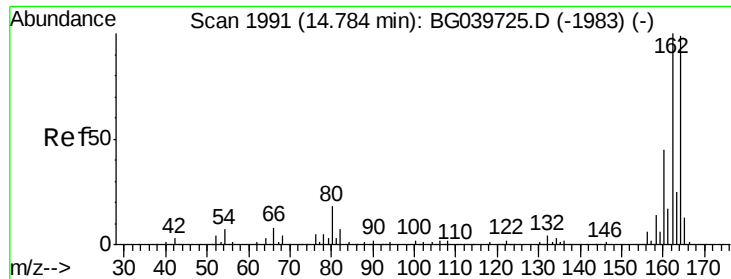
Tgt Ion:	136	Resp:	195159
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.5	9.4	14.2
68	6.2	4.2	6.4



#23
Nitrobenzene-d5
Concen: 75.189 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

Tgt Ion:	82	Resp:	271316
Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.3	46.9
54	56.6	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039805.D

Acq: 7 Mar 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SOIL-B

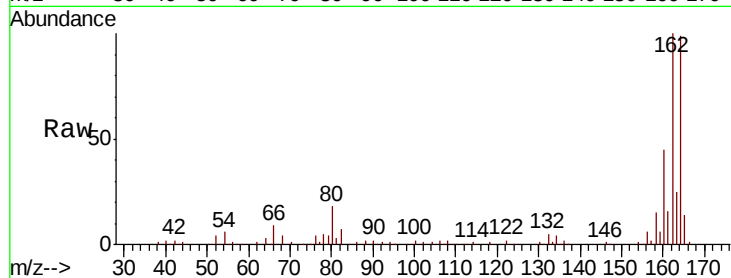
Tgt Ion:164 Resp: 140127

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

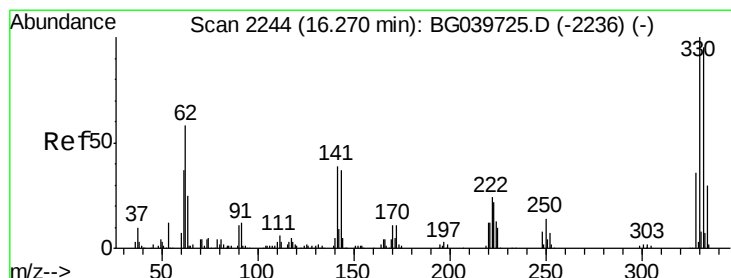
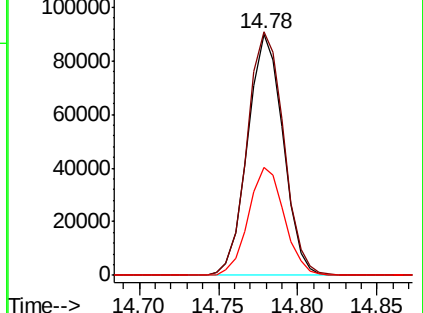
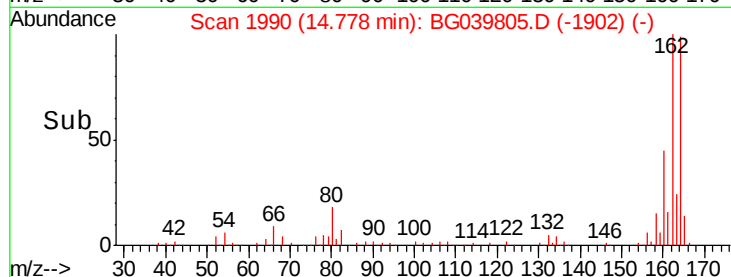
160 44.9 34.2 51.2



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: 116.146 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039805.D

Acq: 7 Mar 2019 16:50

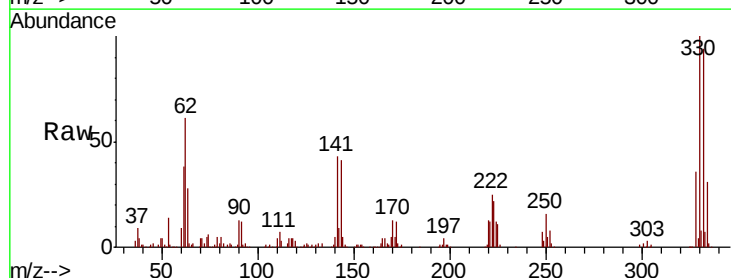
Tgt Ion:330 Resp: 189700

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

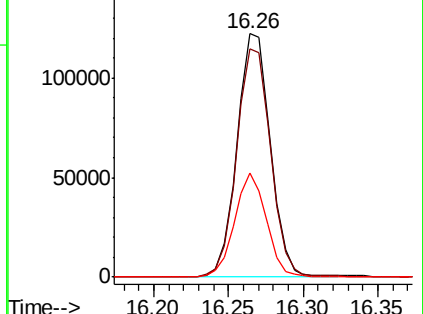
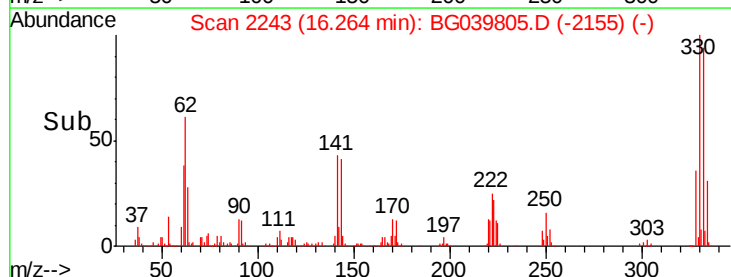
141 40.7 35.6 53.4



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

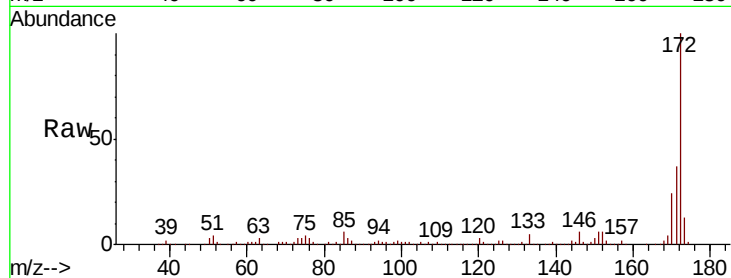




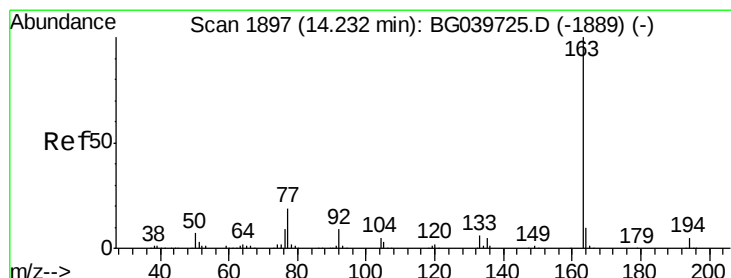
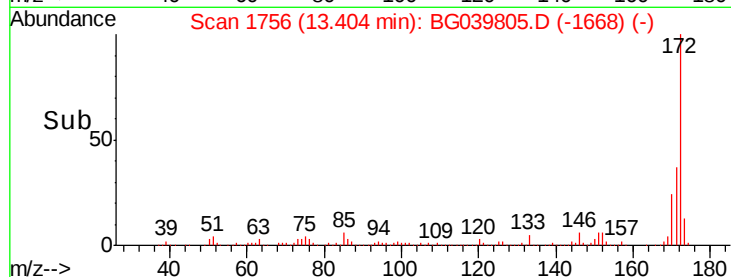
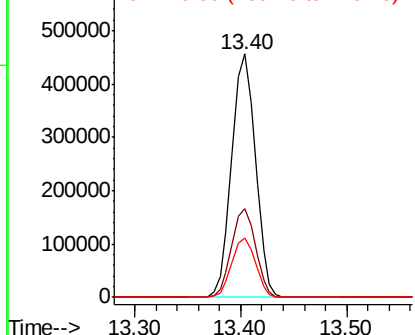
#45
 2-Fluorobiphenyl
 Concen: 72.183 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Tgt Ion:172 Resp: 710392
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.8 46.2
 170 24.3 20.2 30.4

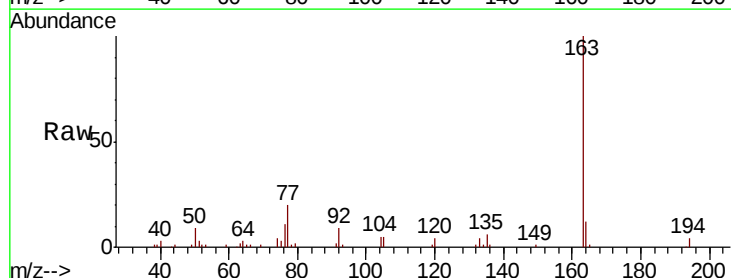


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

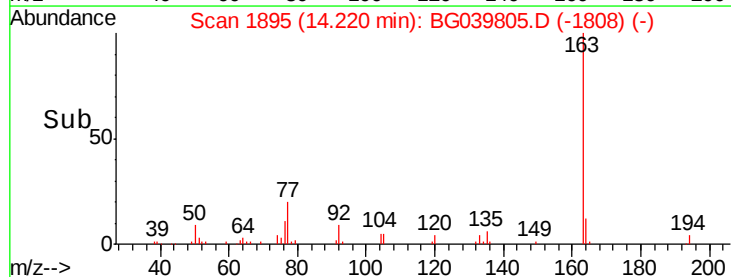
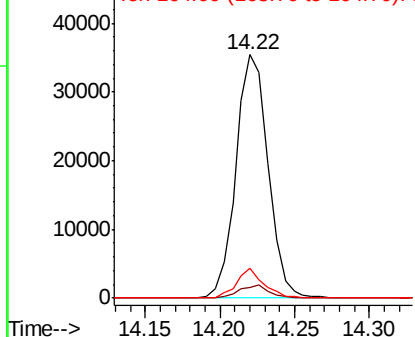


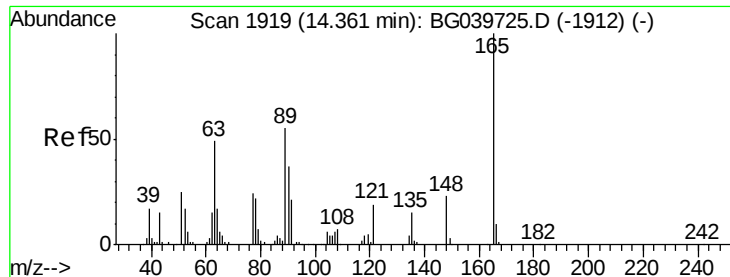
#50
 Dimethylphthalate
 Concen: 4.521 ng
 RT: 14.22 min Scan# 1895
 Delta R.T. -0.02 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

Tgt Ion:163 Resp: 52971
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.6 5.4
 164 12.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

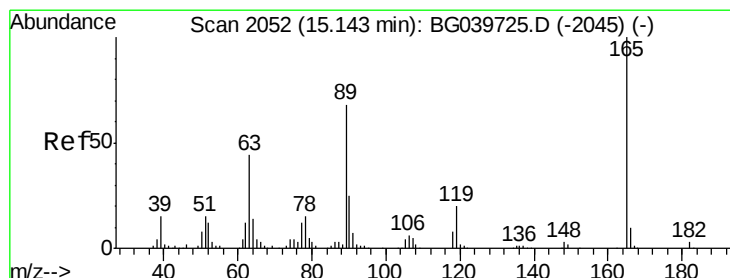
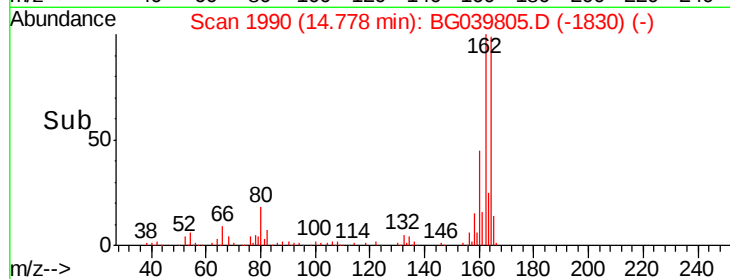
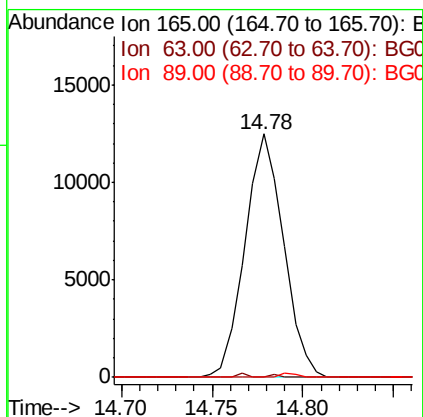
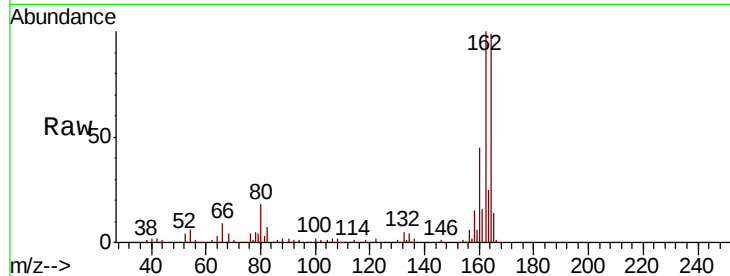




#51
 2,6-Dinitrotoluene
 Concen: 7.419 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

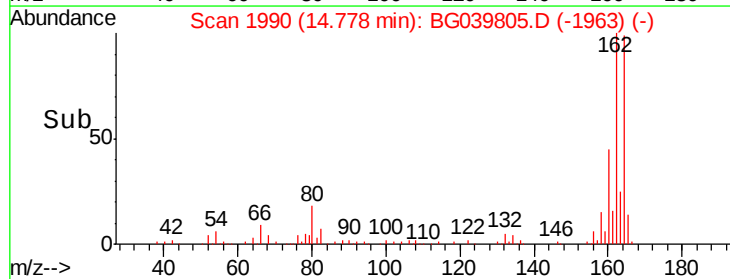
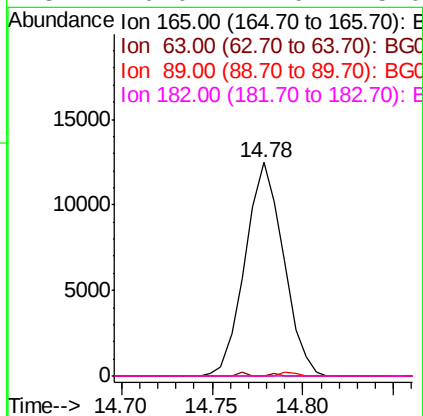
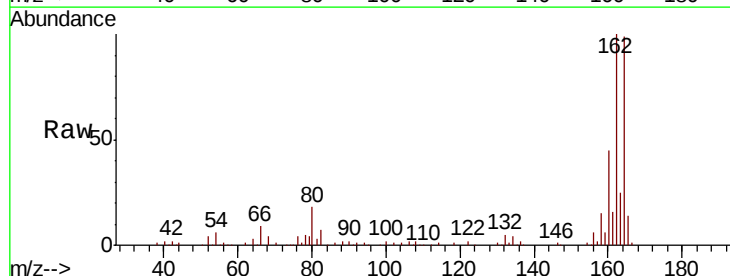
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-B

Tgt Ion:165 Resp: 18430
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.280 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

Tgt Ion:165 Resp: 18430
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#

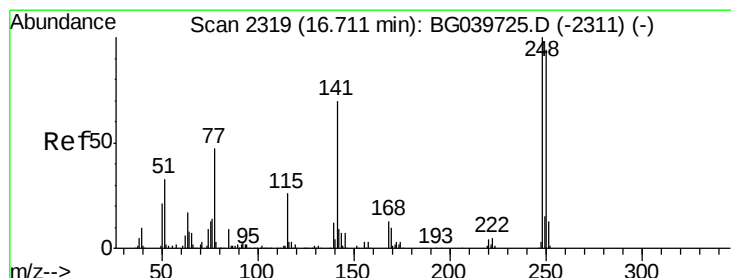
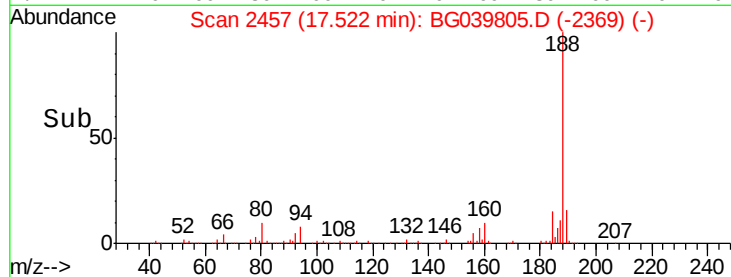
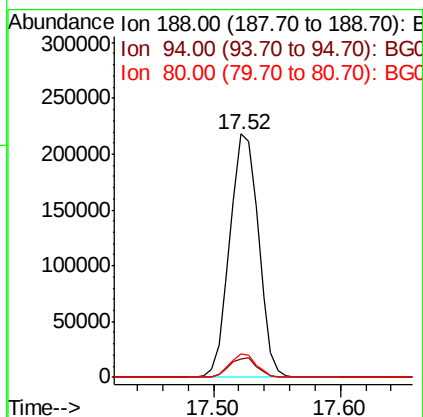
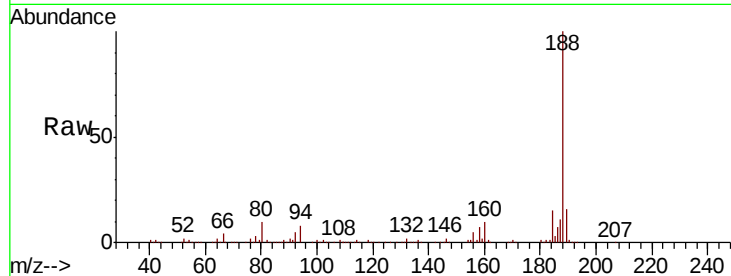




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

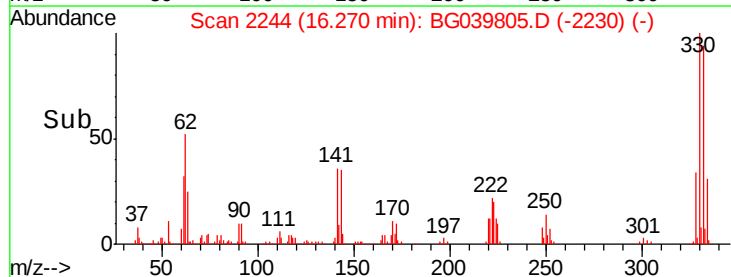
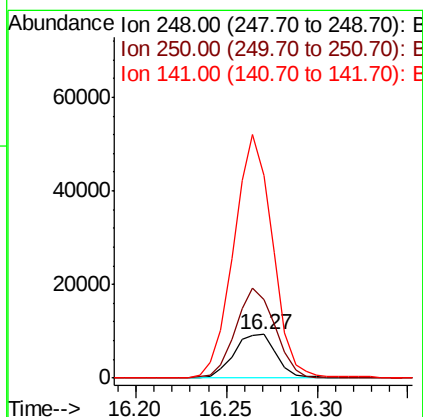
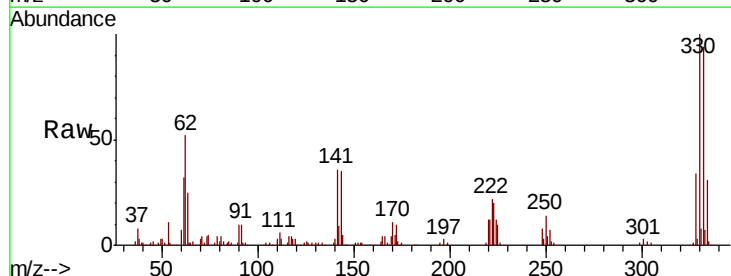
Instrument :
 BNA_F
 ClientSampled :
 SOIL-B

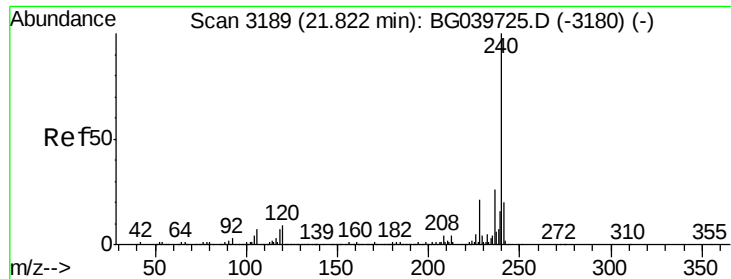
Tgt Ion:188 Resp: 341063
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.9 10.3
 80 9.6 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.919 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039805.D
 Acq: 7 Mar 2019 16:50

Tgt Ion:248 Resp: 14962
 Ion Ratio Lower Upper
 248 100
 250 180.4 77.6 116.4#
 141 463.9 63.9 95.9#

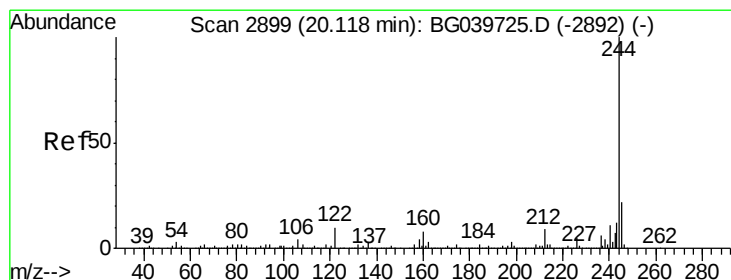
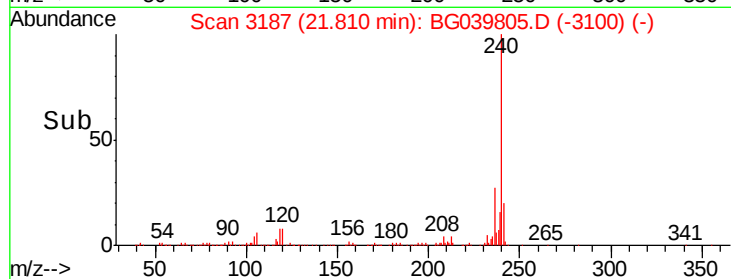
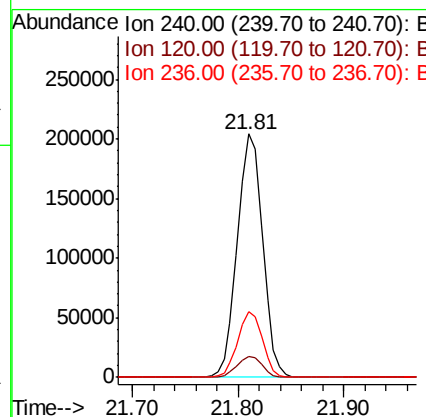
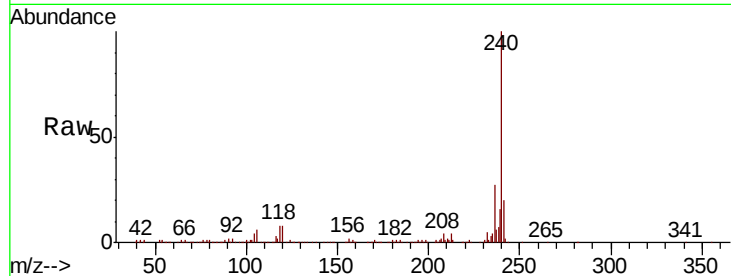




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

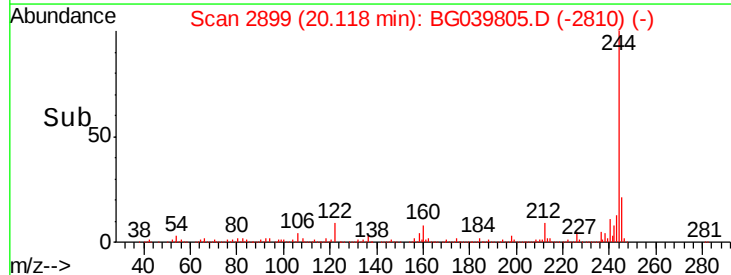
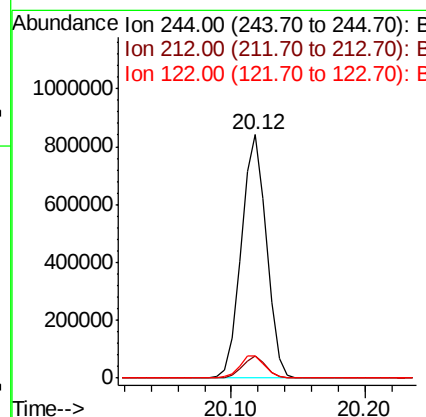
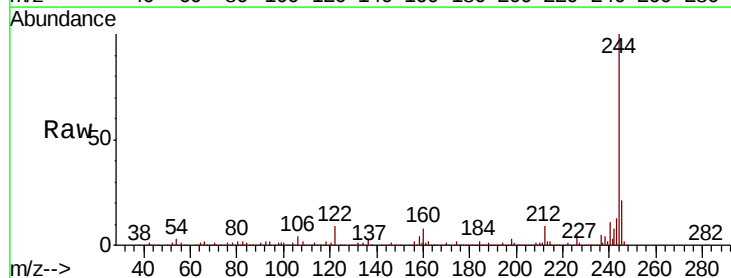
Instrument :
BNA_F
ClientSampleId :
SOIL-B

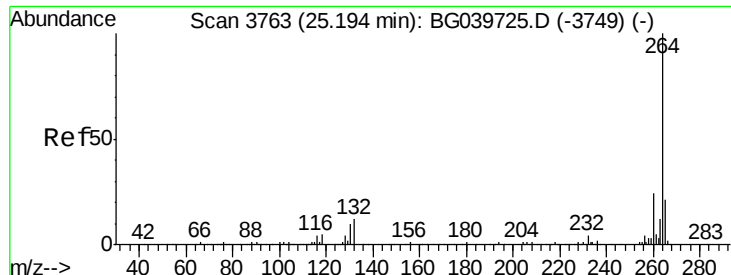
Tgt Ion:240 Resp: 338192
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 27.0 21.0 31.4



#79
Terphenyl-d14
Concen: 71.196 ng
RT: 20.12 min Scan# 2899
Delta R.T. -0.01 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

Tgt Ion:244 Resp: 1093553
Ion Ratio Lower Upper
244 100
212 9.0 7.3 10.9
122 9.3 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG039805.D
Acq: 7 Mar 2019 16:50

Instrument :
BNA_F
ClientSampleId :
SOIL-B

Tgt Ion:	264	Resp:	336627
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.6	18.5	27.7

