

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
 Data File : BG040260.D
 Acq On : 30 Mar 2019 13:56
 Operator : JU/SJ
 Sample : K2125-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Quant Time: Apr 01 02:09:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

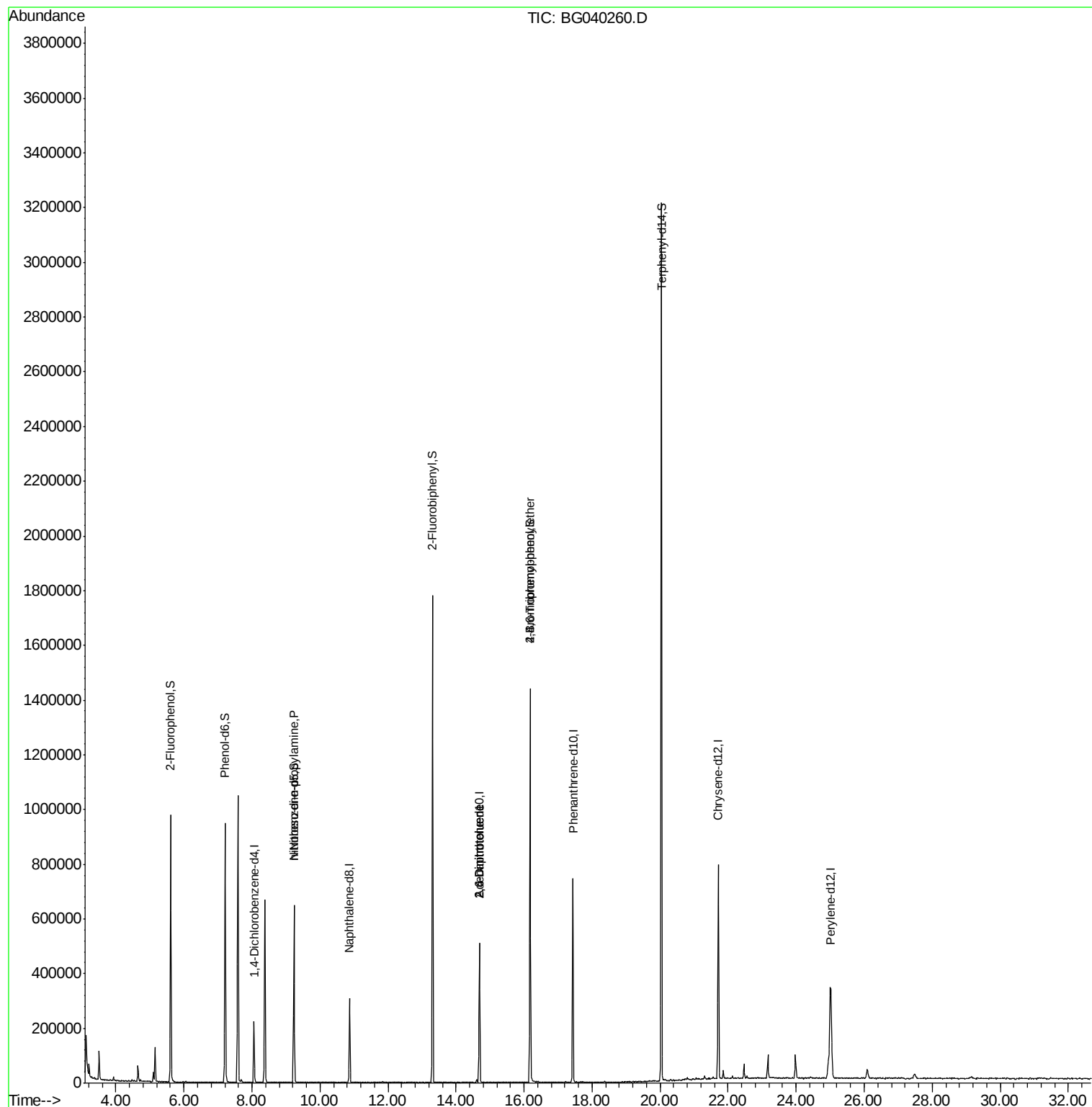
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	61774	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	265360	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	180710	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	476613	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	494989	20.00	ng	-0.02
87) Perylene-d12	25.02	264	489700	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	427243	114.98	ng	-0.01
7) Phenol-d6	7.21	99	571702	111.32	ng	-0.01
23) Nitrobenzene-d5	9.23	82	396536	79.43	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	269826	138.16	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	942055	77.25	ng	-0.01
79) Terphenyl-d14	20.04	244	1685770	76.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	50327	13.668	ng	# 72
51) 2,6-Dinitrotoluene	14.68	165	23983	7.552	ng	# 27
57) 2,4-Dinitrotoluene	14.68	165	23983	5.435	ng	# 27
67) 4-Bromophenyl-phenylether	16.18	248	20989	3.913	ng	# 1

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

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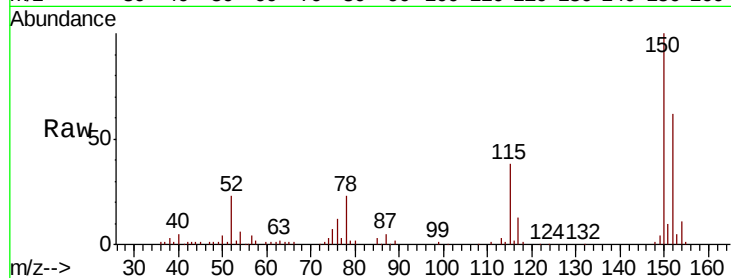


#1

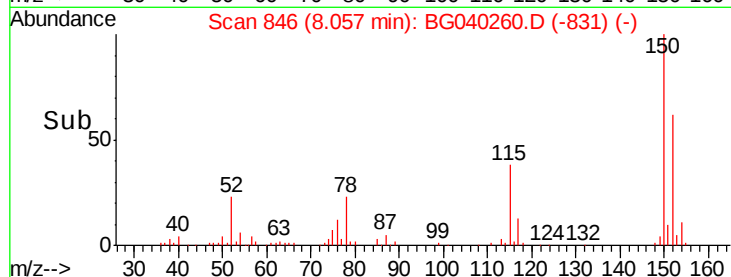
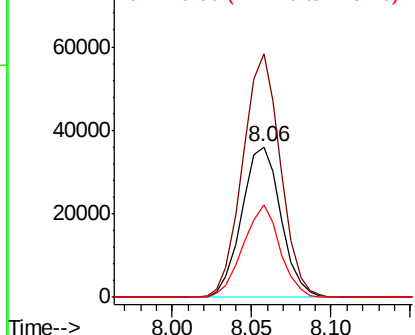
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

Tgt Ion:152 Resp: 61774
Ion Ratio Lower Upper
152 100
150 162.0 123.7 185.5
115 61.3 46.9 70.3



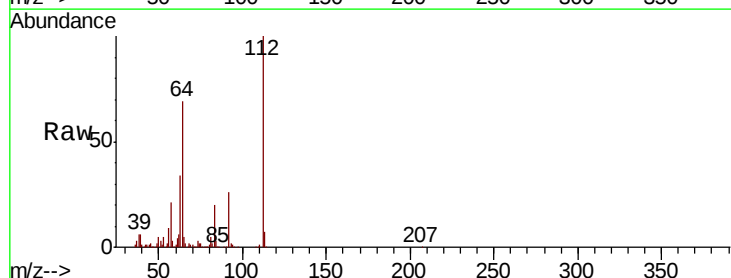
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



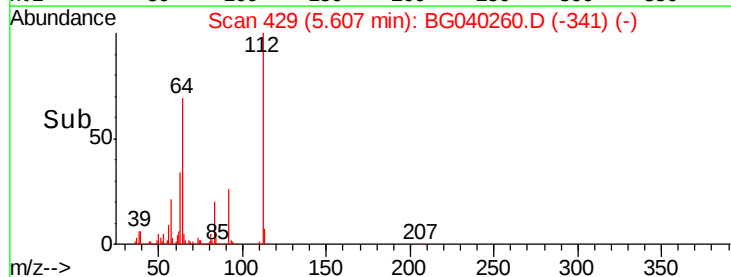
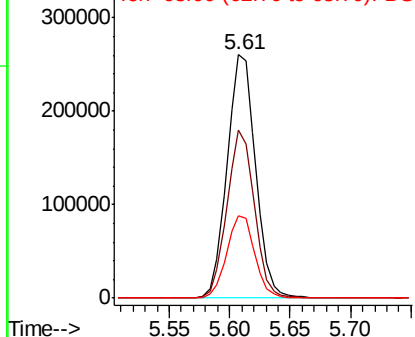
#5

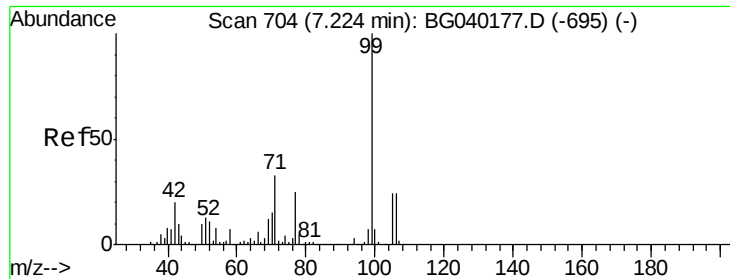
2-Fluorophenol
Concen: 114.976 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

Tgt Ion:112 Resp: 427243
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.2
63 33.7 26.4 39.6



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: 111.324 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

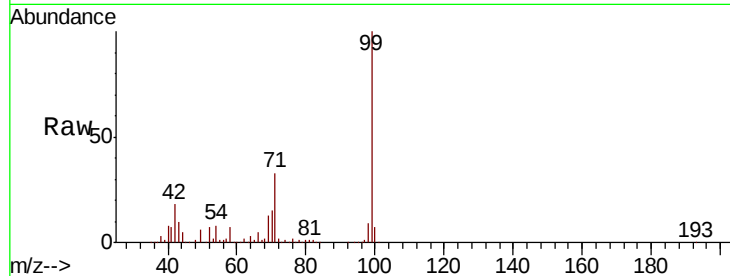
Tgt Ion: 99 Resp: 571702

Ion Ratio Lower Upper

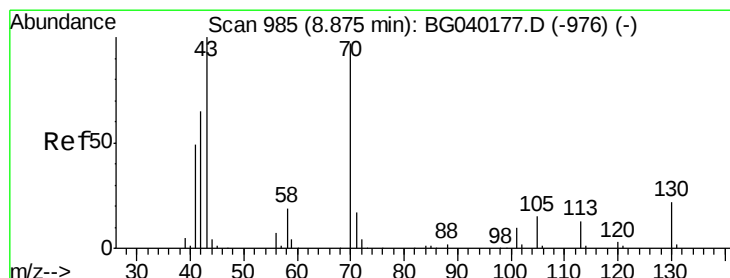
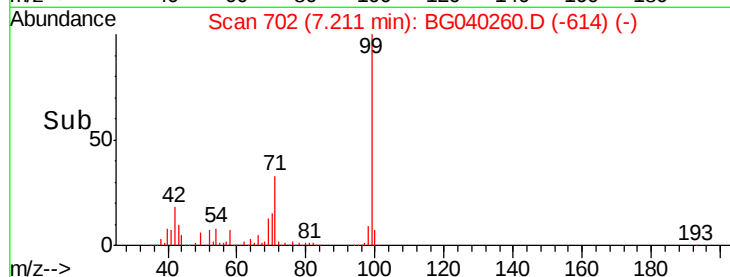
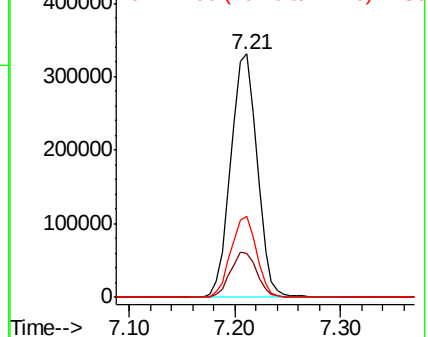
99 100

42 18.2 16.2 24.2

71 33.2 26.8 40.2



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: 13.668 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.36 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

Tgt Ion: 70 Resp: 50327

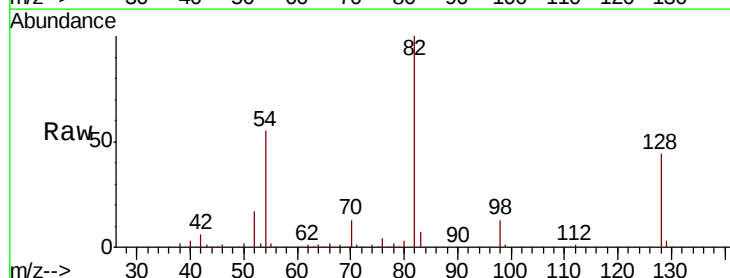
Ion Ratio Lower Upper

70 100

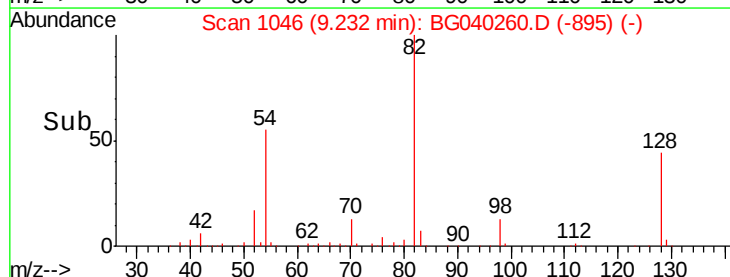
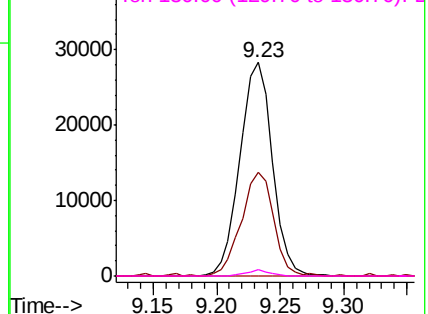
42 48.4 54.0 81.0#

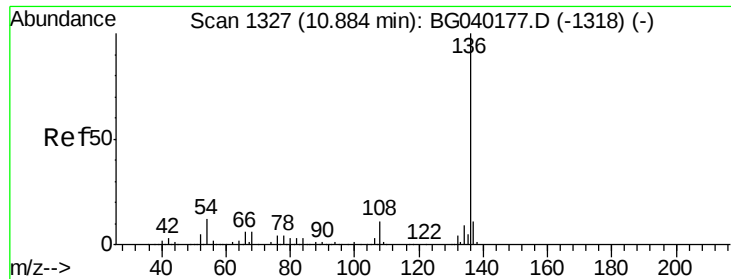
101 0.0 8.6 13.0#

130 3.2 18.2 27.2#



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

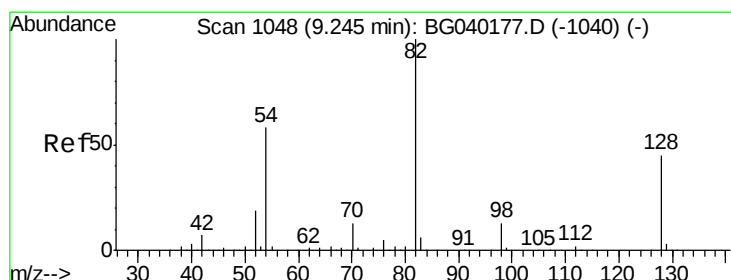
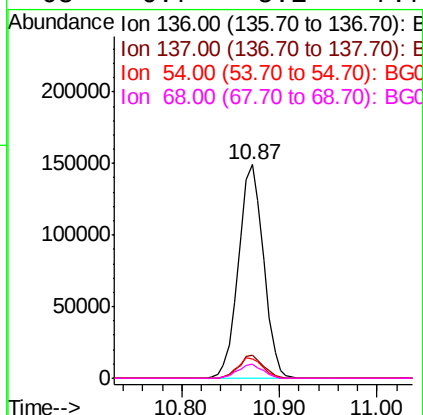
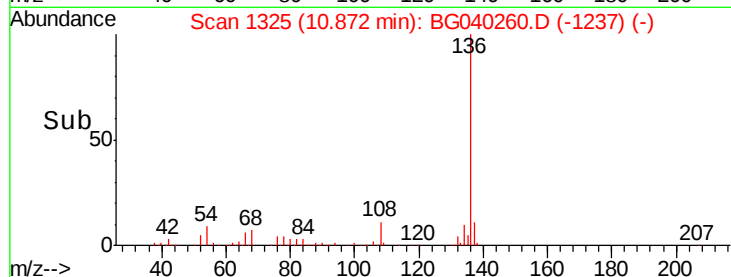
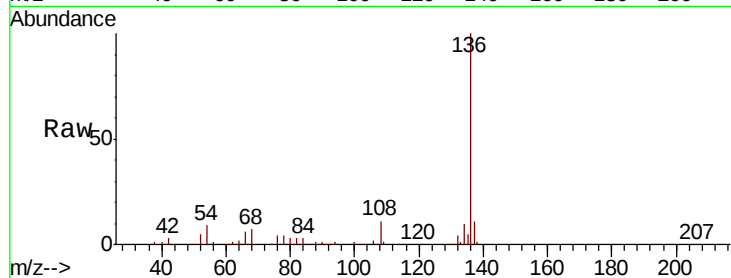




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

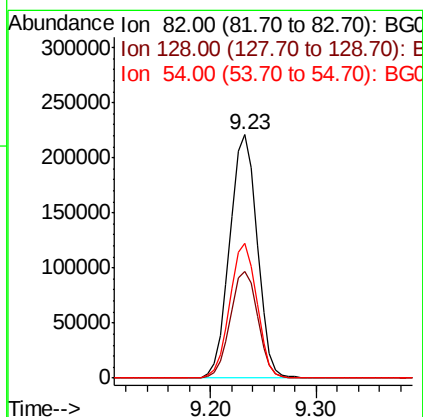
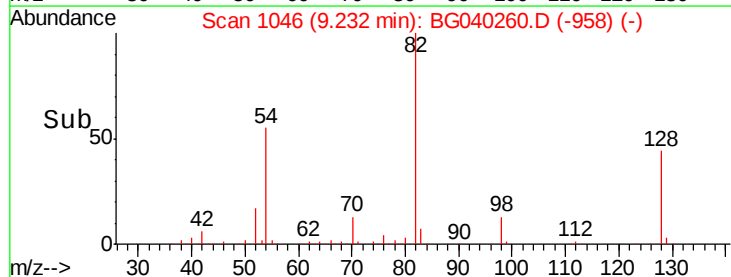
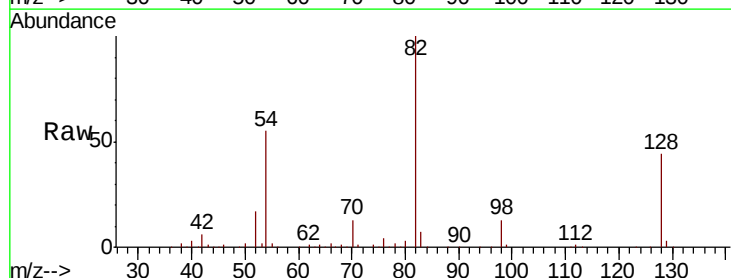
Instrument :
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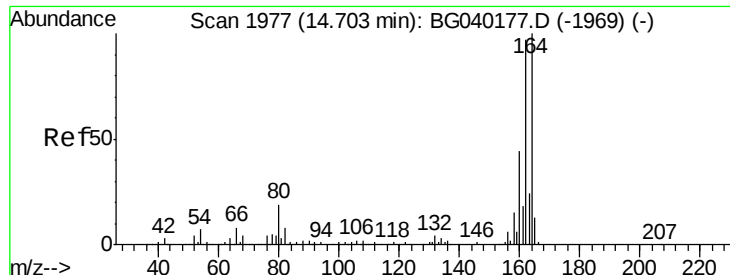
Tgt Ion:	136	Resp:	265360
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.9	9.6	14.4#
68	6.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 79.429 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

Tgt Ion:	82	Resp:	396536
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.8	53.8
54	55.3	46.2	69.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

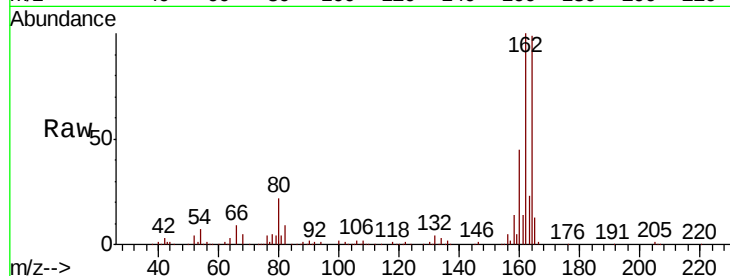
Tgt Ion:164 Resp: 180710

Ion Ratio Lower Upper

164 100

162 101.4 77.4 116.2

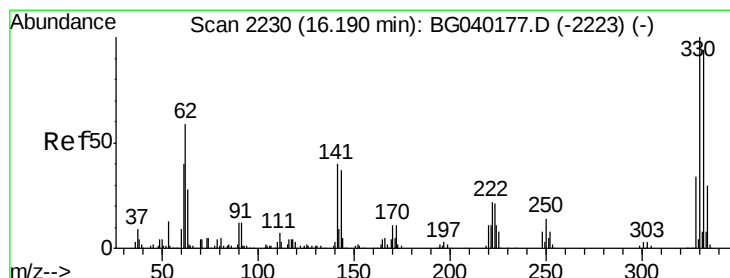
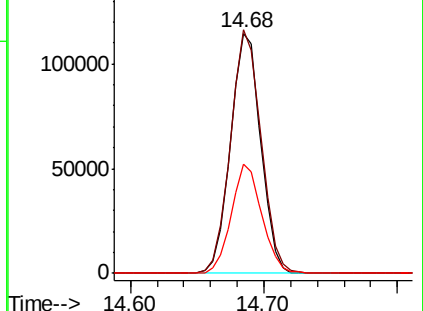
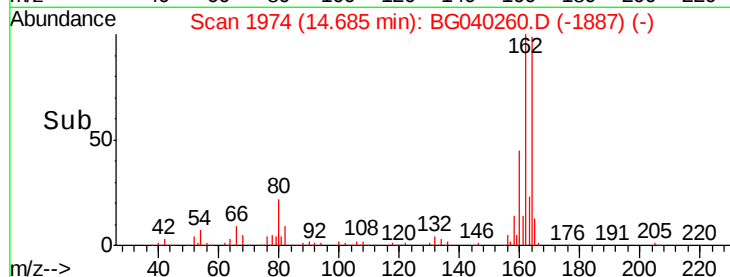
160 45.4 35.3 52.9



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: 138.159 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

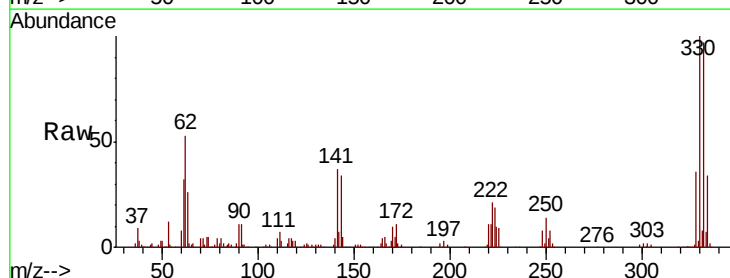
Tgt Ion:330 Resp: 269826

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

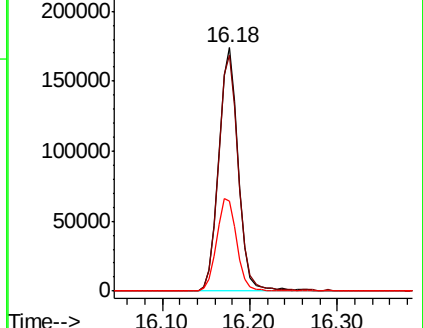
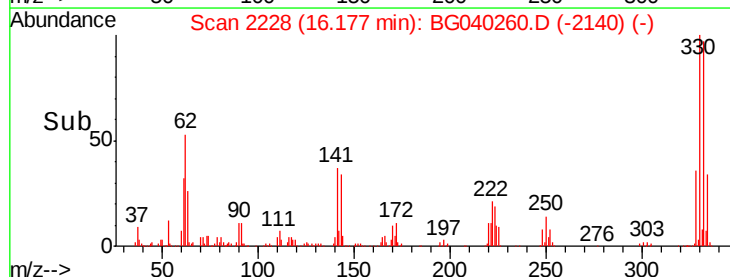
141 38.6 32.6 48.8



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

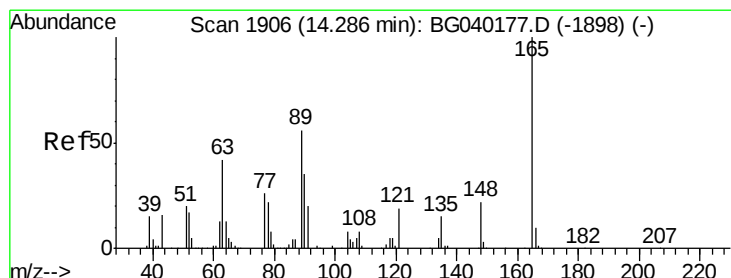
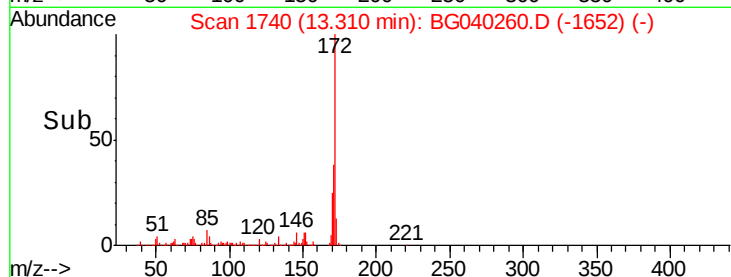
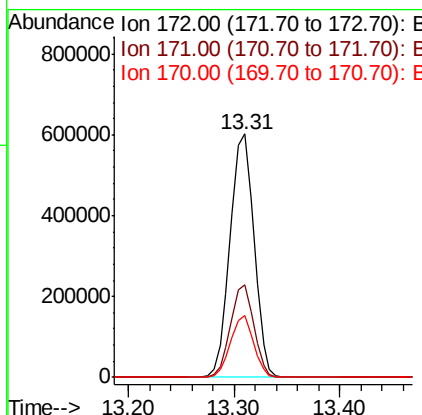
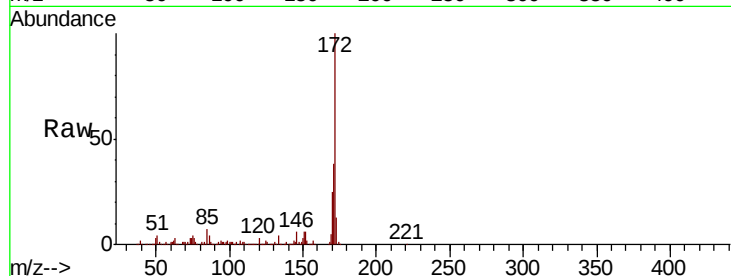




#45
 2-Fluorobiphenyl
 Concen: 77.245 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG040260.D
 Acq: 30 Mar 2019 13:56

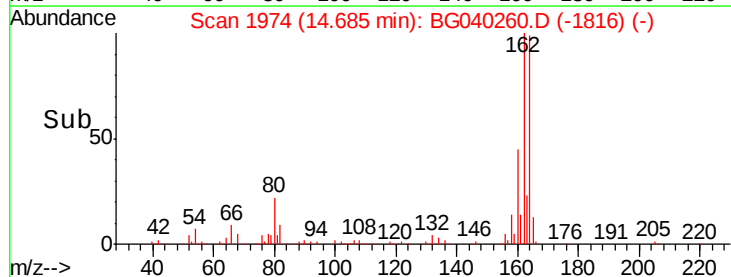
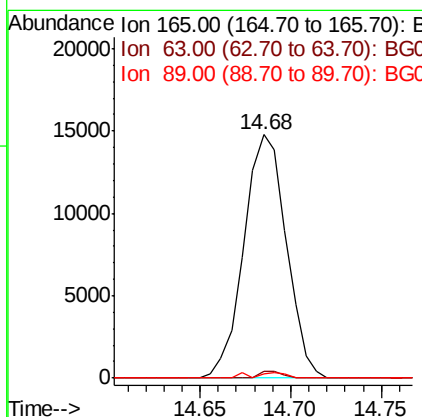
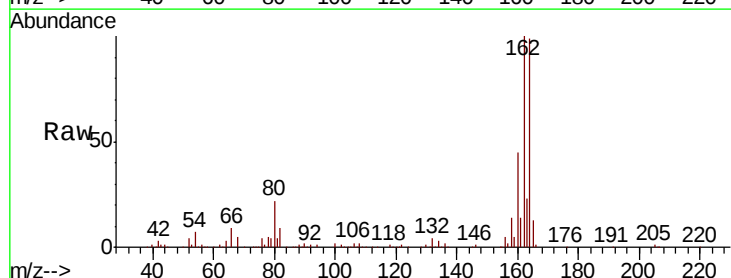
Instrument :
 BNA_G
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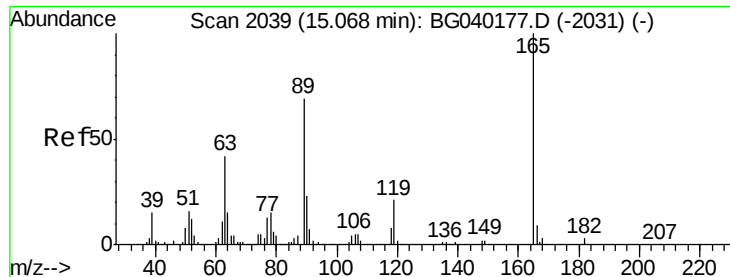
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.5	45.7
170	25.1	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.552 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG040260.D
 Acq: 30 Mar 2019 13:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	44.1	66.1#
89	1.9	44.9	67.3#

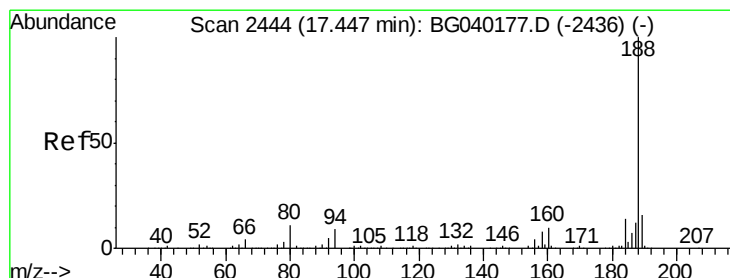
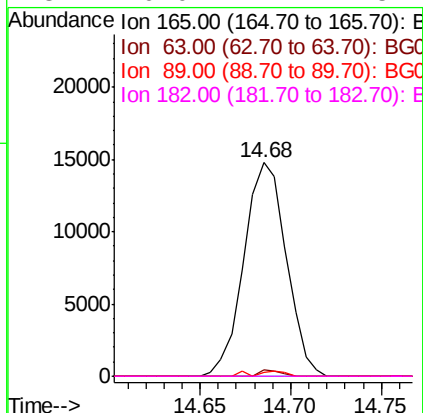
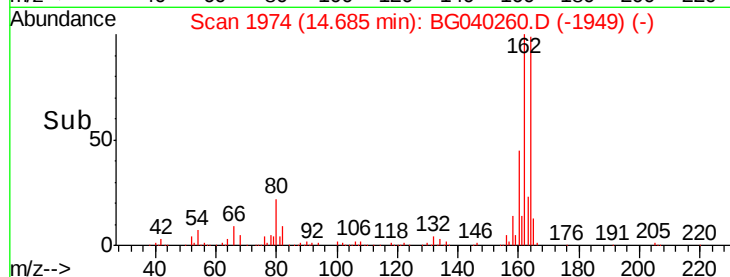
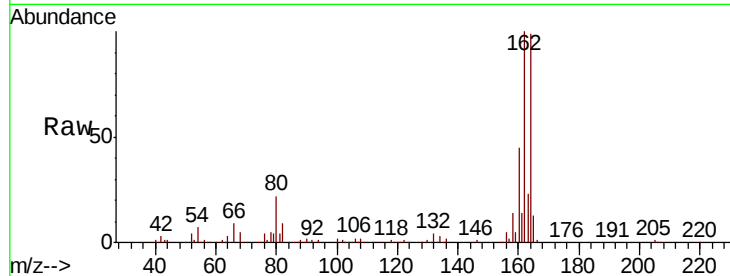




#57
 2,4-Dinitrotoluene
 Concen: 5.435 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG040260.D
 Acq: 30 Mar 2019 13:56

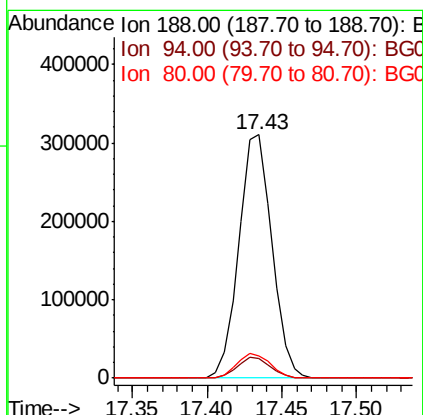
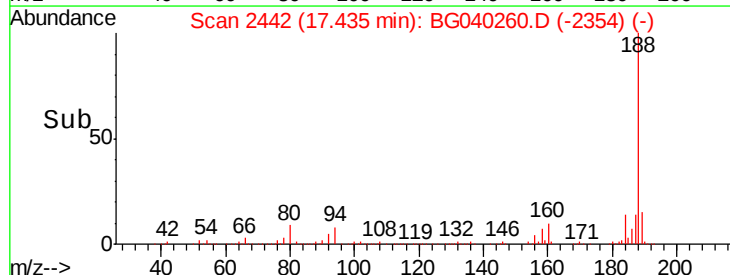
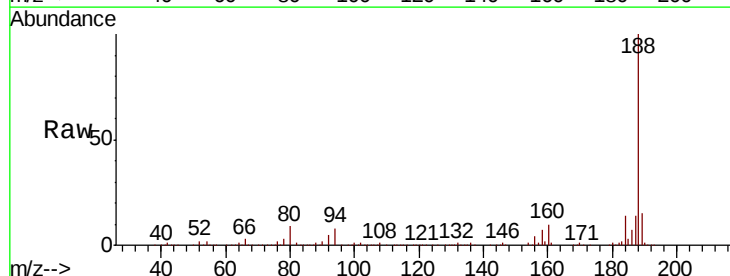
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Tgt Ion:165 Resp: 23983
 Ion Ratio Lower Upper
 165 100
 63 2.7 33.8 50.6#
 89 1.9 55.4 83.2#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG040260.D
 Acq: 30 Mar 2019 13:56

Tgt Ion:188 Resp: 476613
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.0 10.4
 80 9.3 8.6 13.0

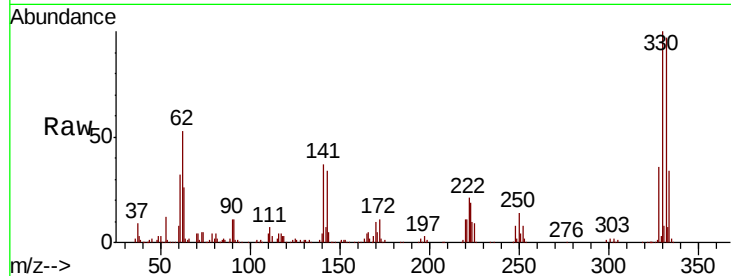




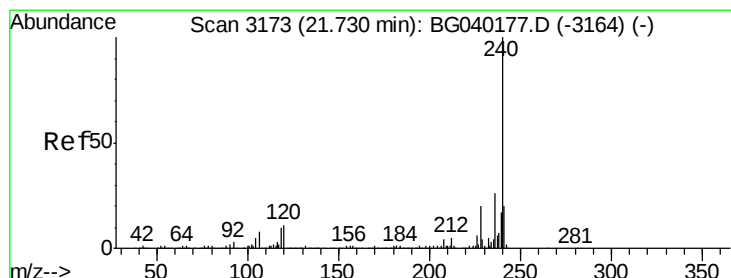
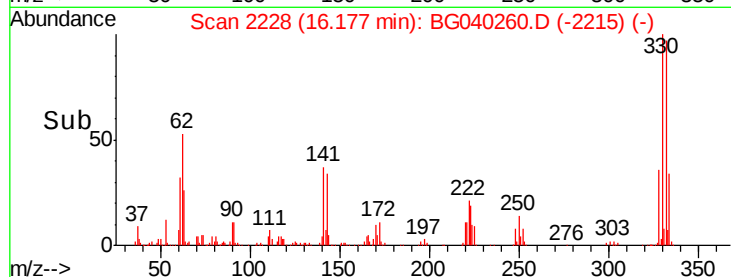
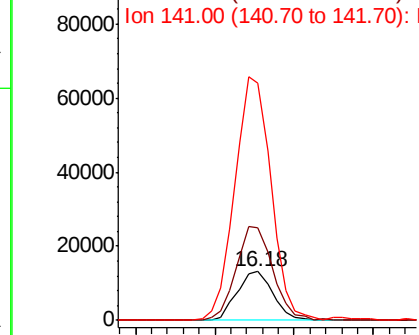
#67
4-Bromophenyl-phenylether
Concen: 3.913 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.45 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

Tgt Ion:248 Resp: 20989
Ion Ratio Lower Upper
248 100
250 188.0 76.4 114.6#
141 485.2 53.8 80.8#

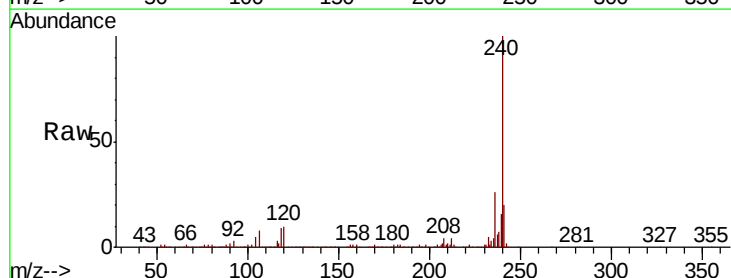


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

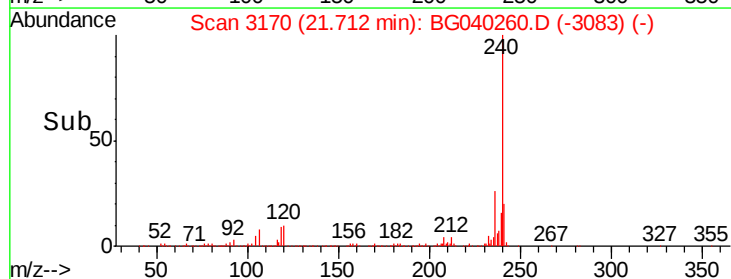
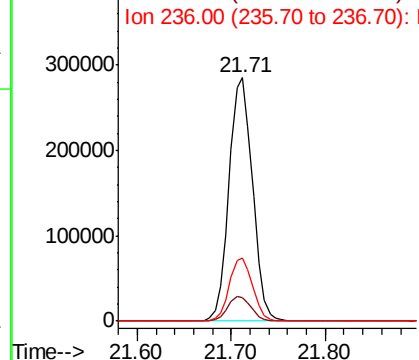


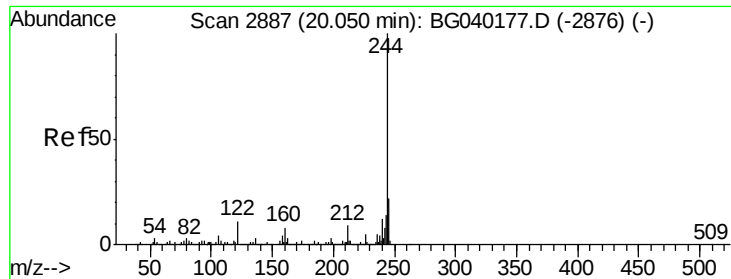
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.02 min
Lab File: BG040260.D
Acq: 30 Mar 2019 13:56

Tgt Ion:240 Resp: 494989
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.8 20.8 31.2



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





#79

Terphenyl-d14

Concen: 76.616 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

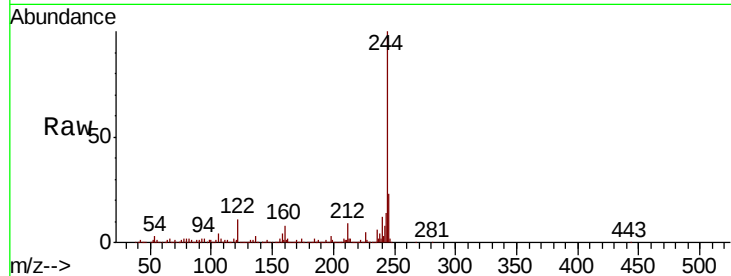
Tgt Ion:244 Resp: 1685770

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

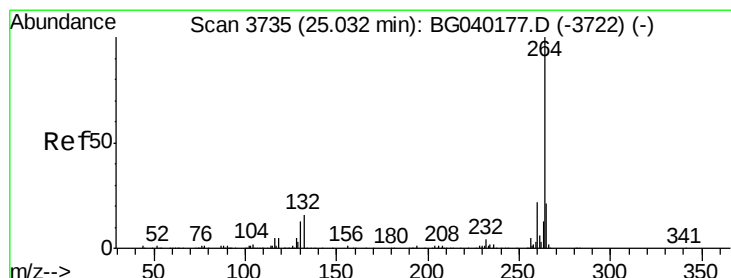
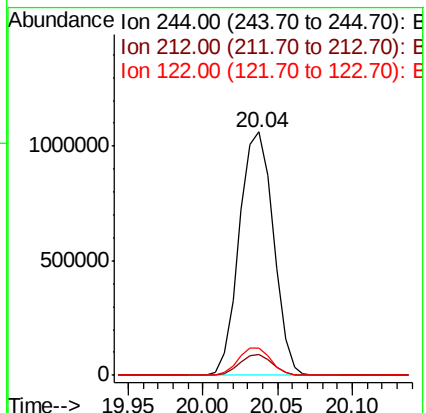
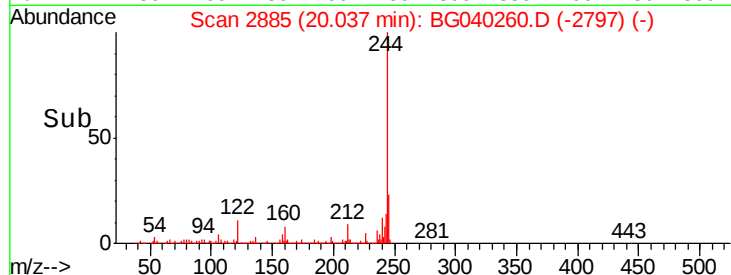
122 11.4 8.5 12.7



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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040260.D

Acq: 30 Mar 2019 13:56

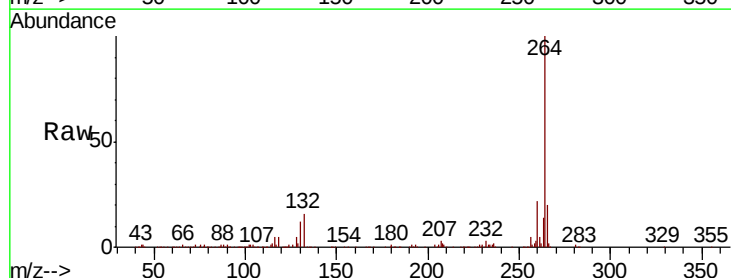
Tgt Ion:264 Resp: 489700

Ion Ratio Lower Upper

264 100

260 21.9 17.9 26.9

265 20.4 16.8 25.2



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

