

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
 Data File : BG031513.D
 Acq On : 13 Dec 2017 4:56
 Operator : SJ/JU
 Sample : I6813-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Soil-Cuttings

Quant Time: Dec 13 05:59:29 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

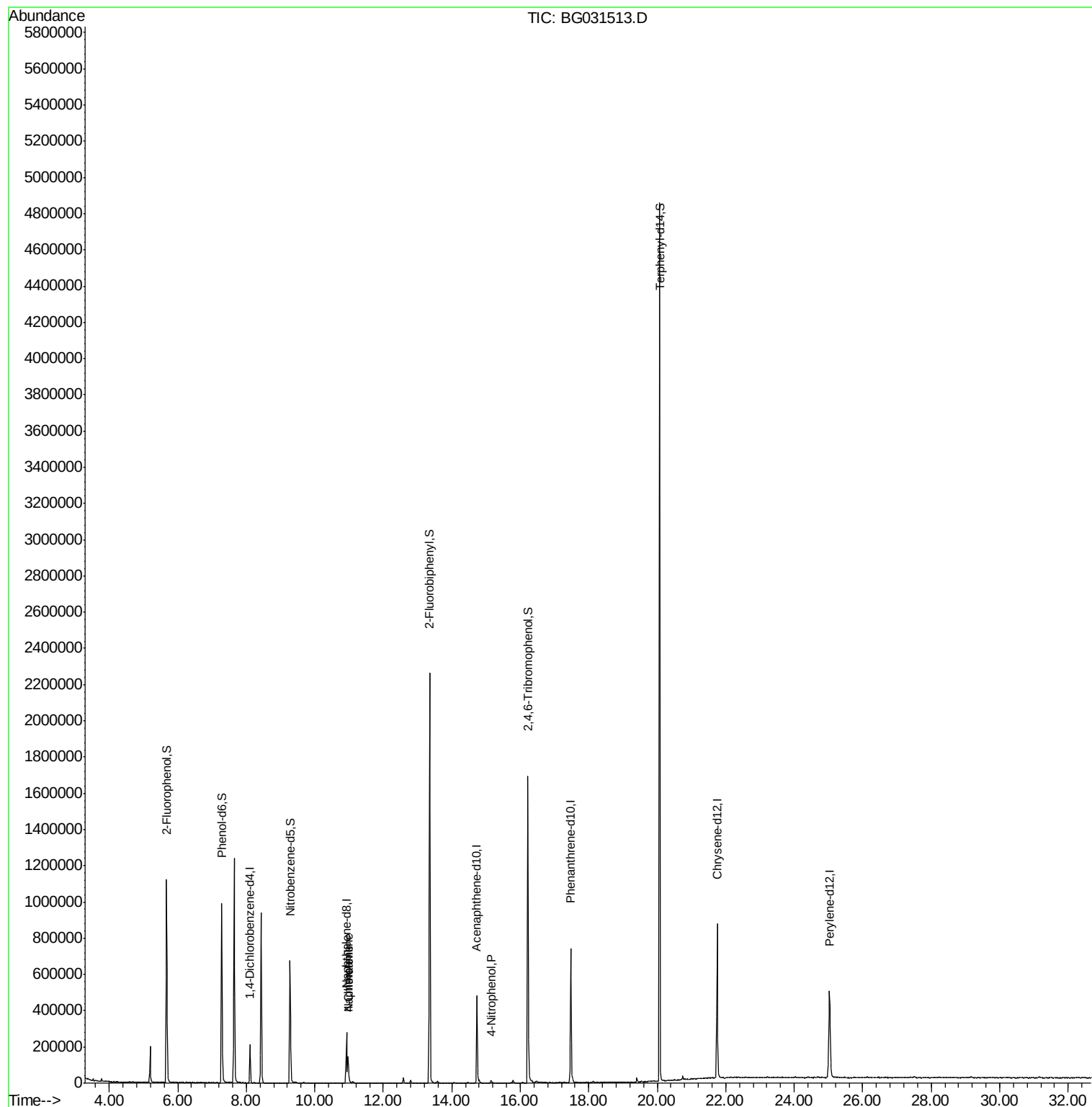
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	66929	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	282462	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	190142	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	500630	20.00	ng	0.00
75) Chrysene-d12	21.74	240	590348	20.00	ng	0.00
86) Perylene-d12	25.03	264	566598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	562848	149.06	ng	0.00
7) Phenol-d6	7.28	99	648721	123.76	ng	0.01
23) Nitrobenzene-d5	9.27	82	466559	101.81	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	365308	163.99	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1302373	100.54	ng	0.00
78) Terphenyl-d14	20.07	244	2335282	90.00	ng	0.00
Target Compounds						
31) Naphthalene	10.97	128	141136	10.171	ng	97
33) 4-Chloroaniline	10.98	127	18594	3.086	ng	# 34
55) 4-Nitrophenol	15.15	139	4623	5.449	ng	# 1

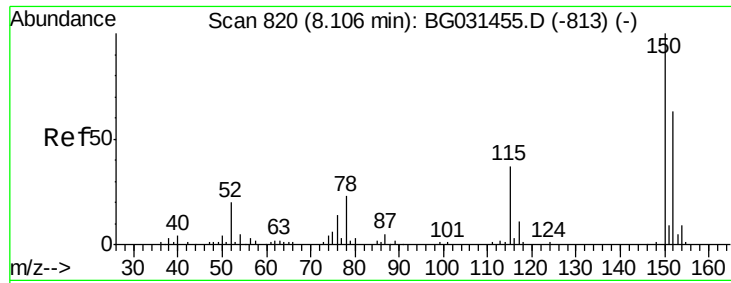
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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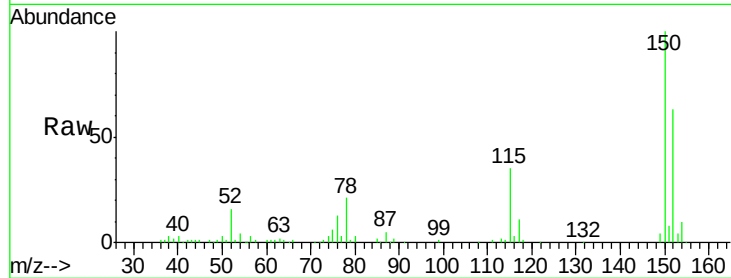


#1

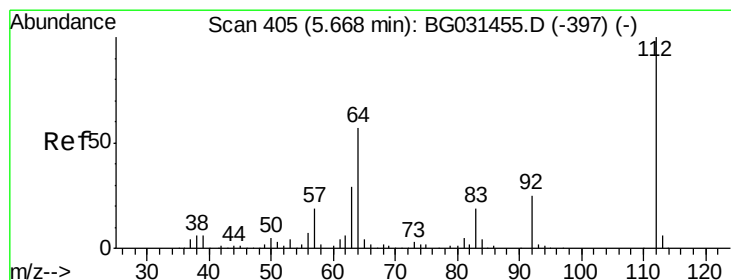
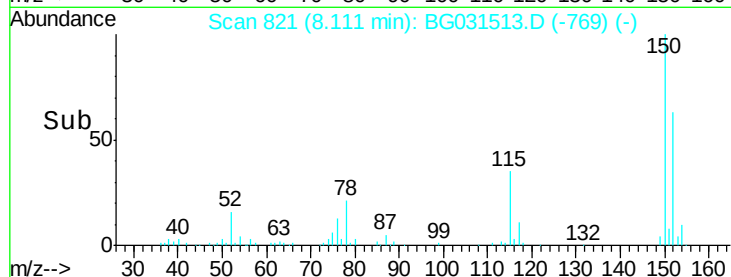
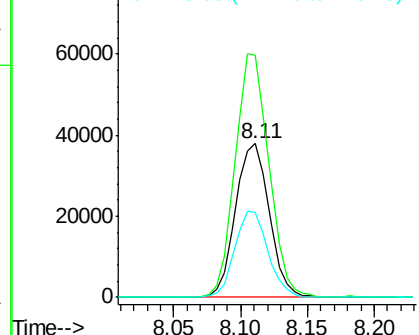
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.01 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Instrument :
BNA_G
ClientSampleId :
Soil-Cuttings

Tot Ion:152 Resp: 66929
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 55.1 53.0 79.4



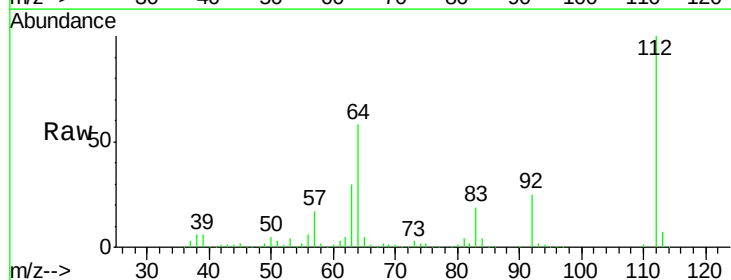
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



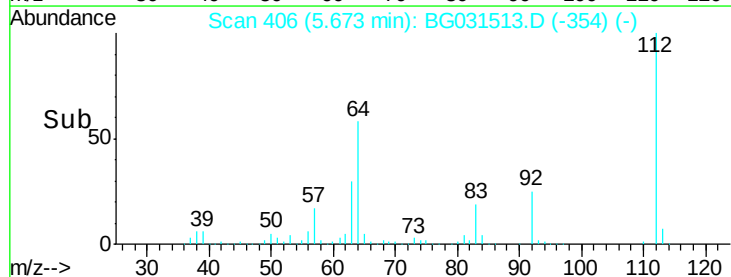
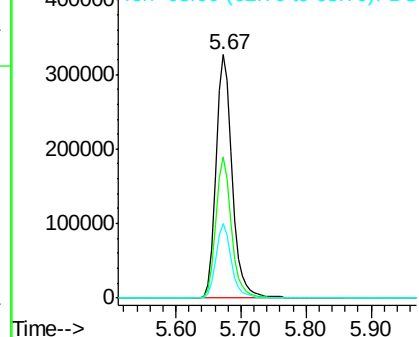
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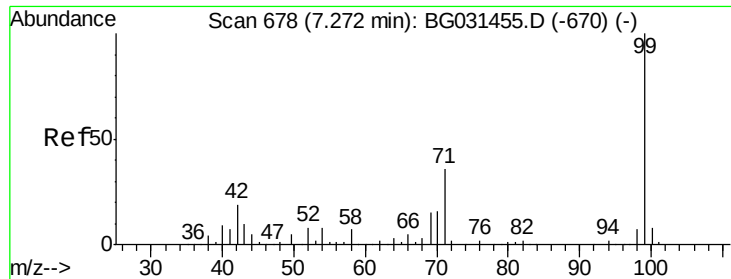
2-Fluorophenol
Concen: 149.062 ng
RT: 5.67 min Scan# 406
Delta R.T. 0.01 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Tgt Ion:112 Resp: 562848
Ion Ratio Lower Upper
112 100
64 57.8 56.3 84.5
63 30.4 30.1 45.1



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: 123.758 ng

RT: 7.28 min Scan# 680

Delta R.T. 0.01 min

Lab File: BG031513.D

Acq: 13 Dec 2017 4:56

Instrument :

BNA_G

ClientSampleId :

Soil-Cuttings

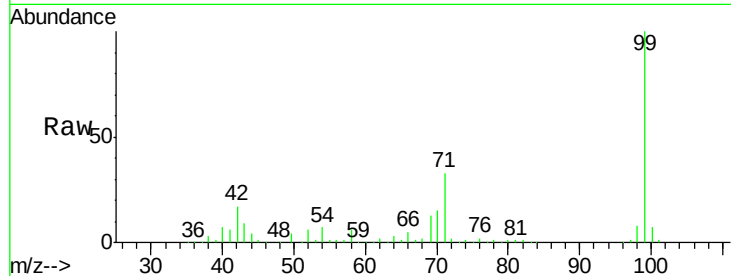
Tot Ion: 99 Resp: 648721

Ion Ratio Lower Upper

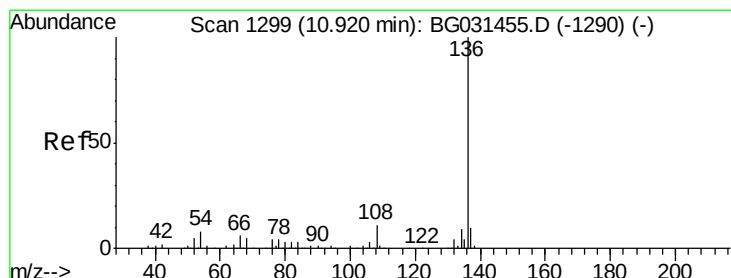
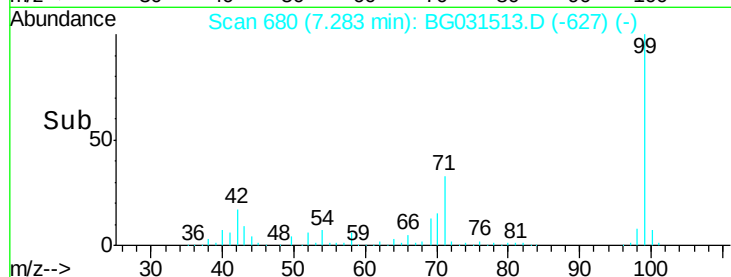
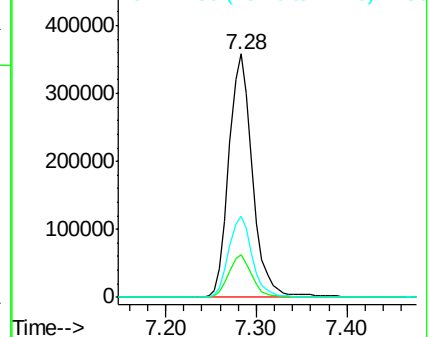
99 100

42 17.3 14.1 21.1

71 33.3 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031513.D

Acq: 13 Dec 2017 4:56

Tgt Ion: 136 Resp: 282462

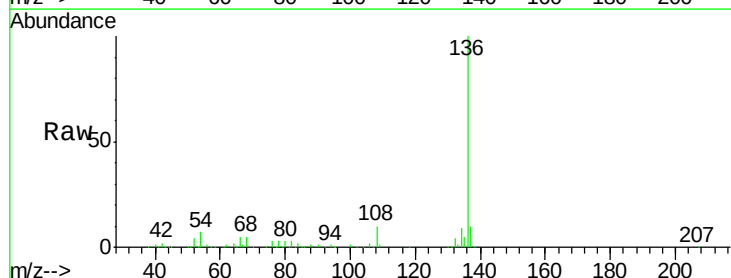
Ion Ratio Lower Upper

136 100

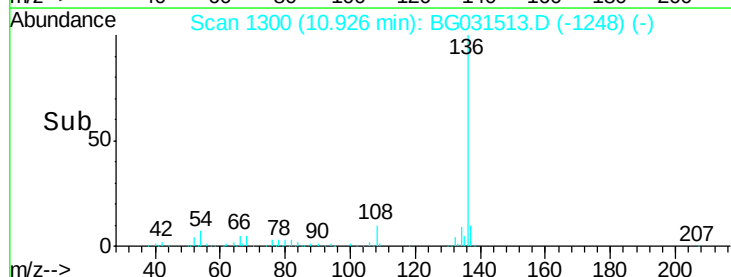
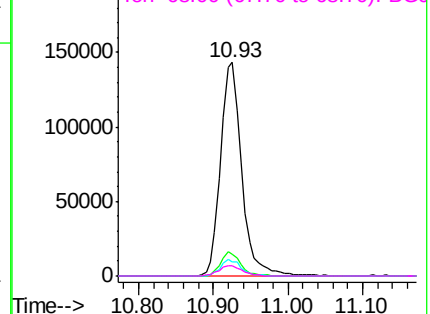
137 10.3 9.2 13.8

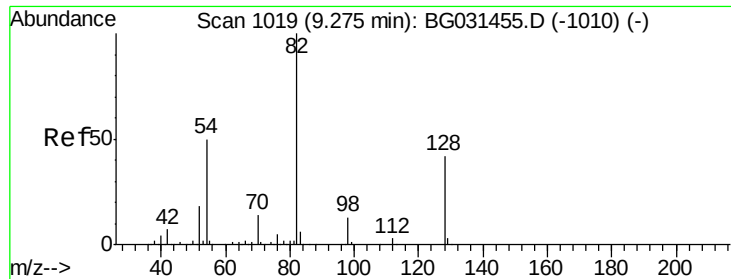
54 6.7 10.3 15.5#

68 5.0 4.5 6.7



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

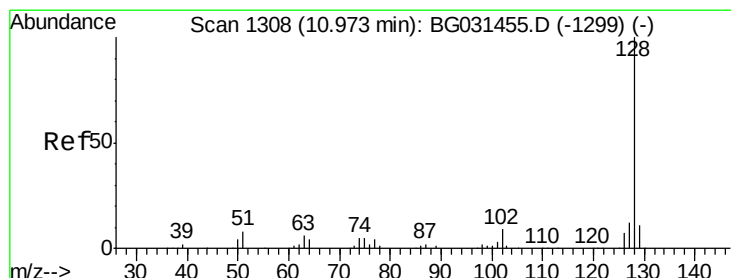
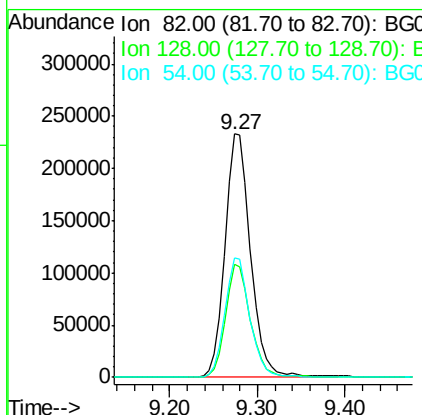
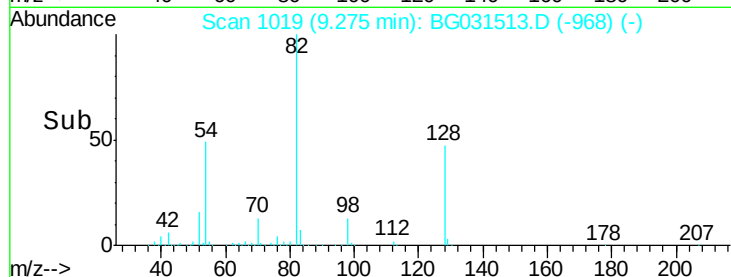
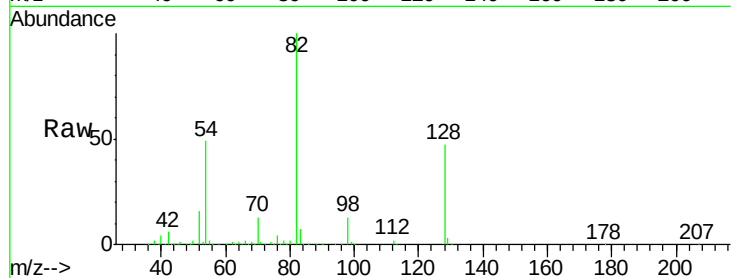




#23
 Nitrobenzene-d5
 Concen: 101.809 ng
 RT: 9.27 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BG031513.D
 Acq: 13 Dec 2017 4:56

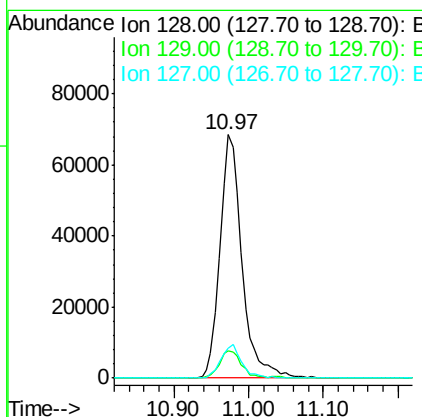
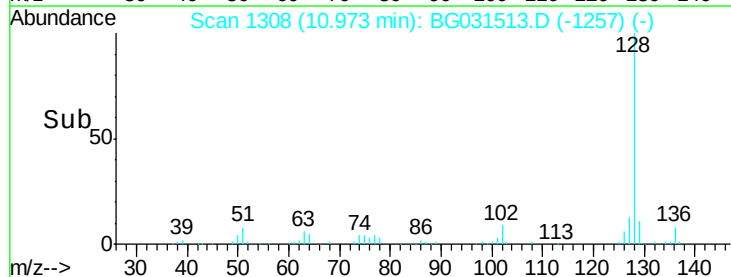
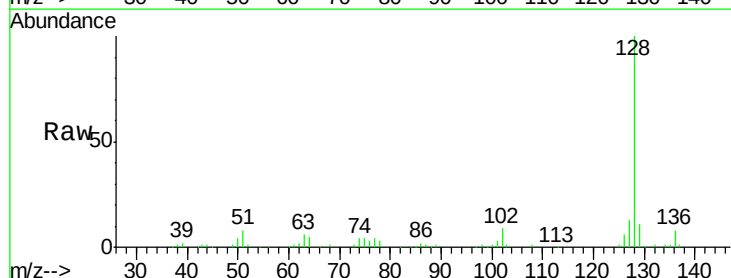
Instrument :
 BNA_G
 ClientSampleId :
 Soil-Cuttings

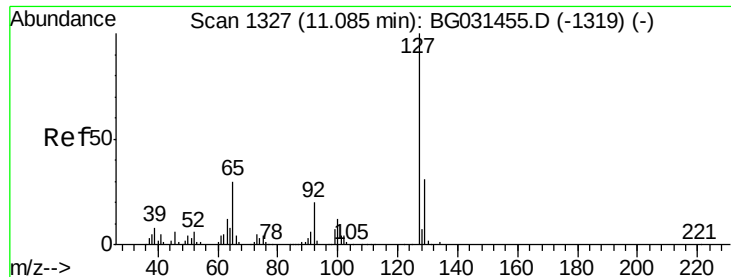
Tot Ion: 82 Resp: 466559
 Ion Ratio Lower Upper
 82 100
 128 46.5 29.7 44.5#
 54 48.9 43.1 64.7



#31
 Naphthalene
 Concen: 10.171 ng
 RT: 10.97 min Scan# 1308
 Delta R.T. -0.00 min
 Lab File: BG031513.D
 Acq: 13 Dec 2017 4:56

Tgt Ion: 128 Resp: 141136
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.6 12.8
 127 12.5 11.6 17.4

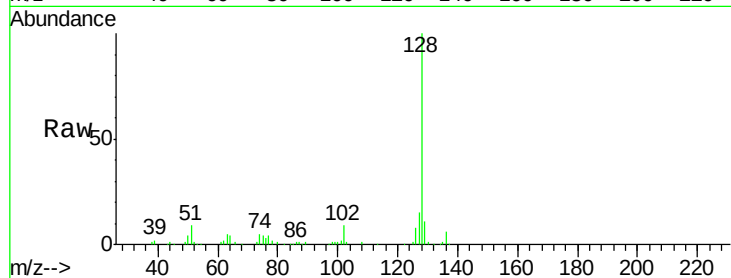




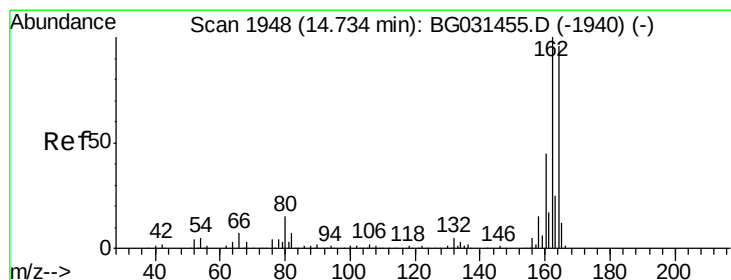
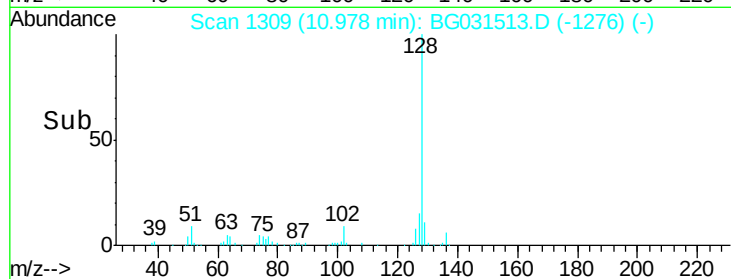
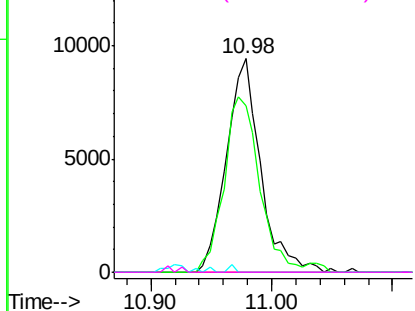
#33
4-Chloroaniline
Concen: 3.086 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.11 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Instrument :
BNA_G
ClientSampleId :
Soil-Cuttings

Tot Ion:	127	Resp:	18594
Ion	Ratio	Lower	Upper
127	100		
129	78.0	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

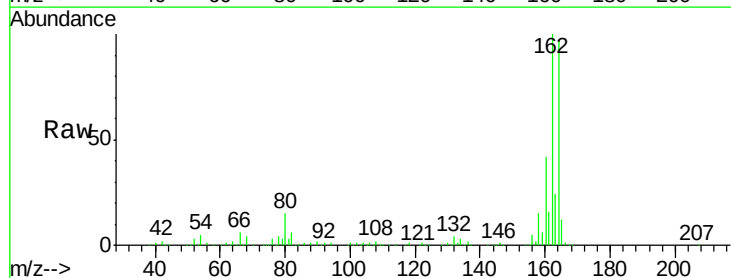


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

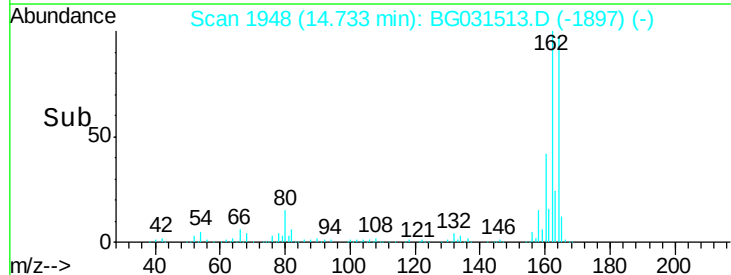
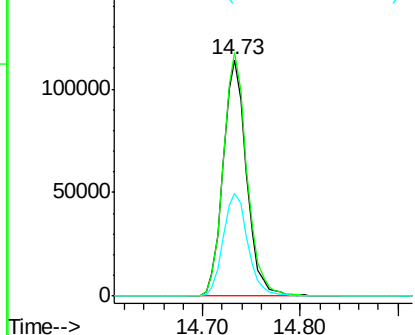


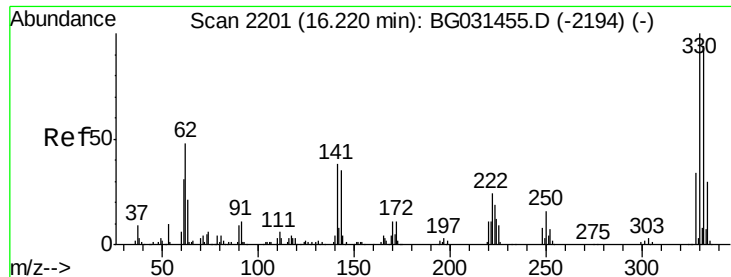
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Tgt Ion:	164	Resp:	190142
Ion	Ratio	Lower	Upper
164	100		
162	102.9	78.8	118.2
160	43.6	35.4	53.0



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

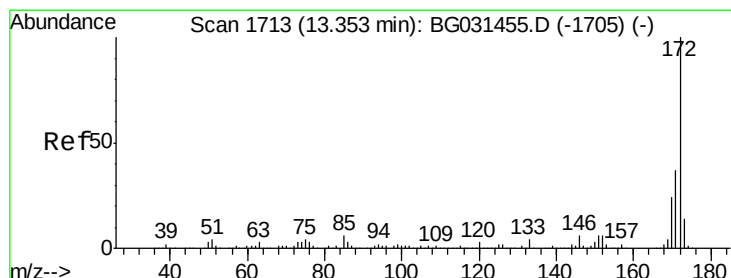
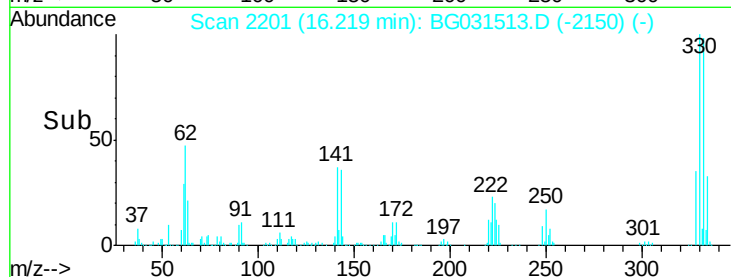
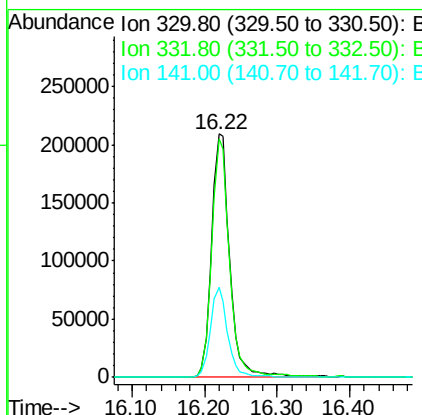
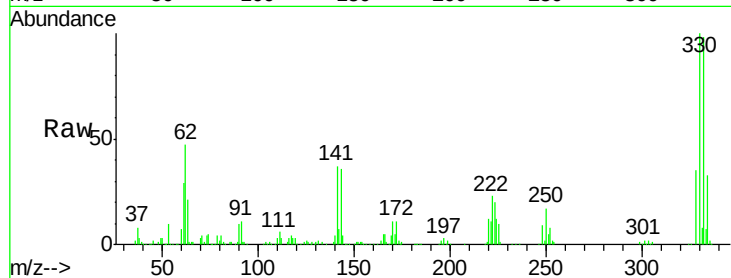




#41
 2,4,6-Tribromophenol
 Concen: 163.992 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BG031513.D
 Acq: 13 Dec 2017 4:56

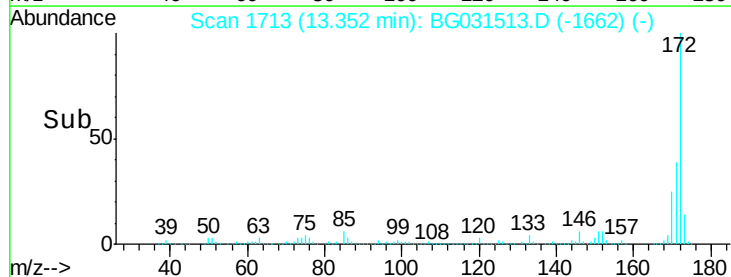
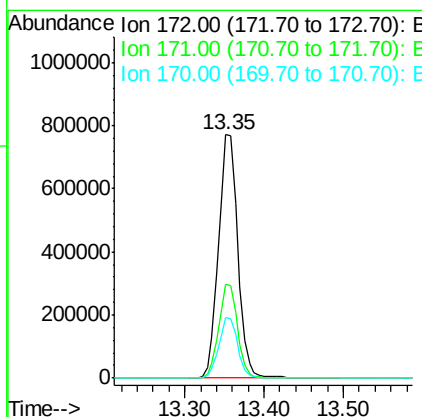
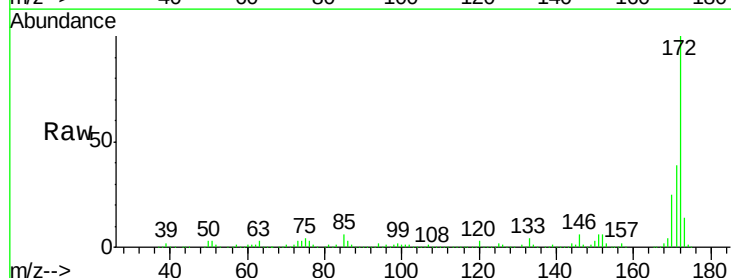
Instrument :
 BNA_G
 ClientSampled :
 Soil-Cuttings

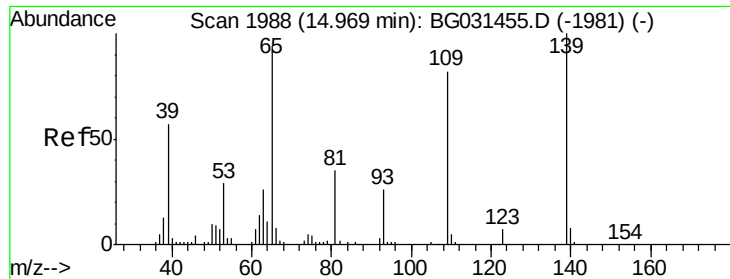
Tot Ion:330 Resp: 365308
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 34.8 25.2 37.8



#44
 2-Fluorobiphenyl
 Concen: 100.541 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BG031513.D
 Acq: 13 Dec 2017 4:56

Tgt Ion:172 Resp: 1302373
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.1 19.5 29.3

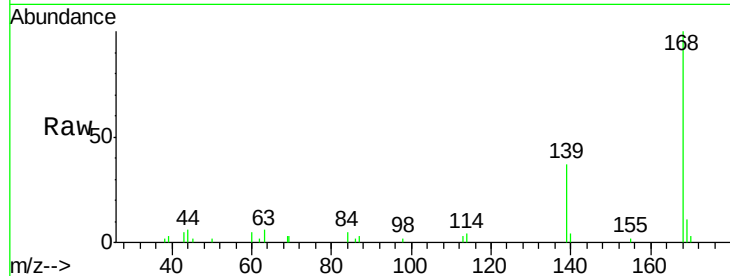




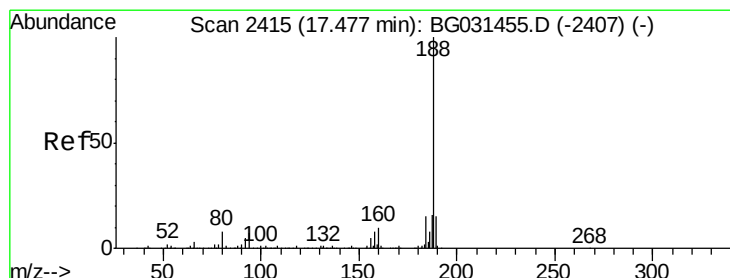
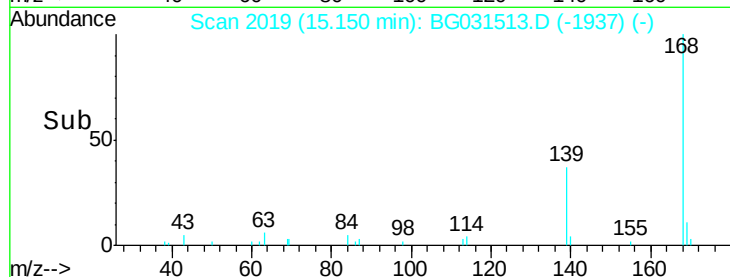
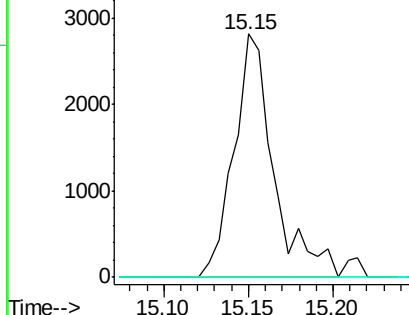
#55
4-Nitrophenol
Concen: 5.449 ng
RT: 15.15 min Scan# 2019
Delta R.T. 0.18 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Instrument :
BNA_G
ClientSampleId :
Soil-Cuttings

Tot Ion:139 Resp: 4623
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

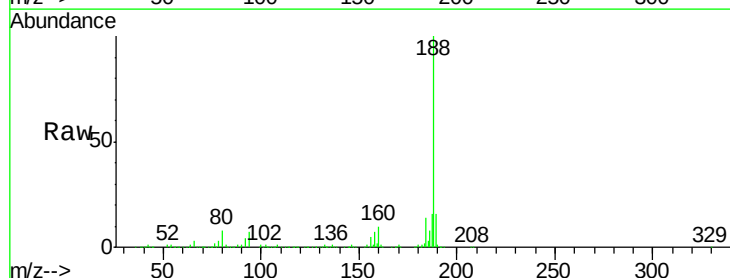


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

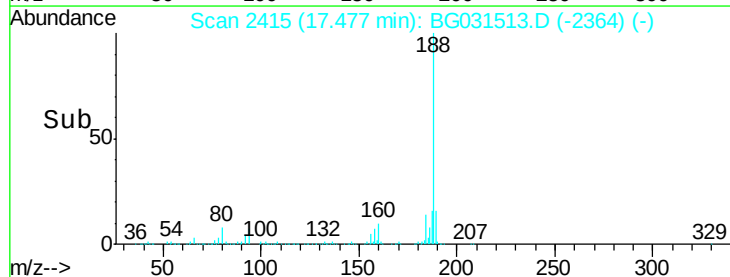
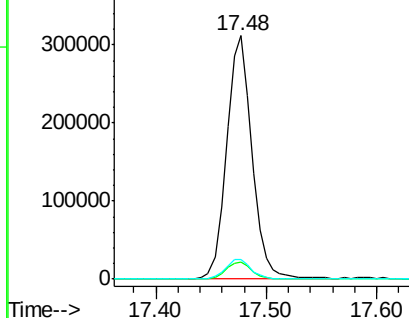


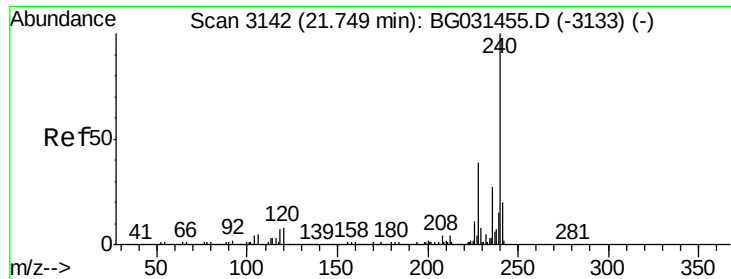
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Tgt Ion:188 Resp: 500630
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 7.8 7.7 11.5



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

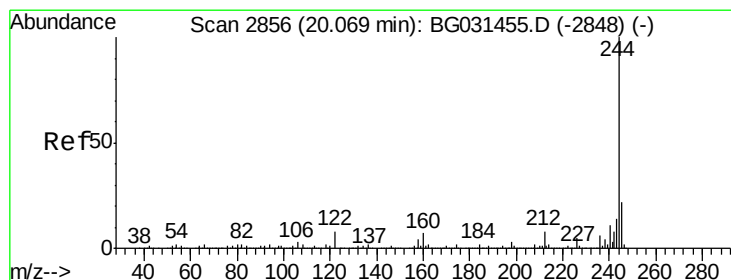
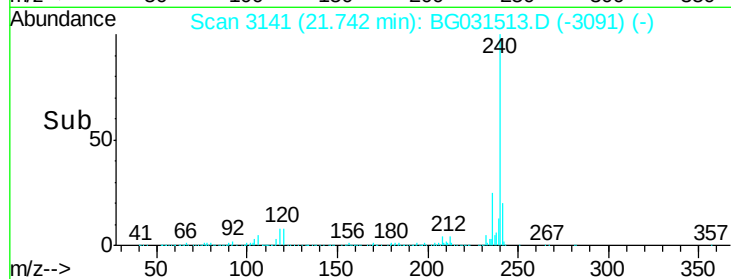
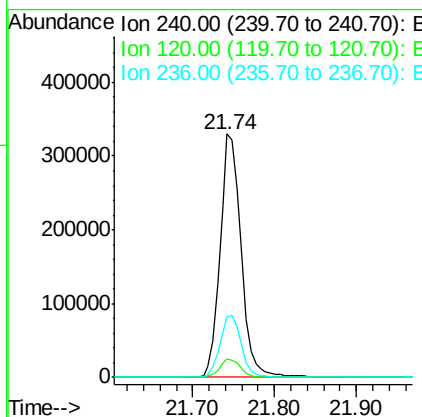
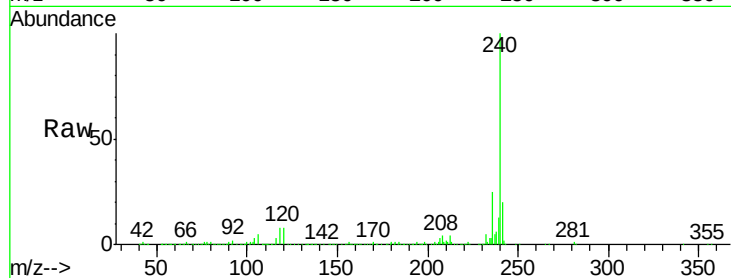




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

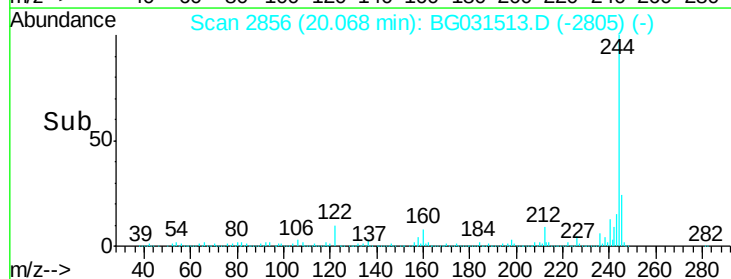
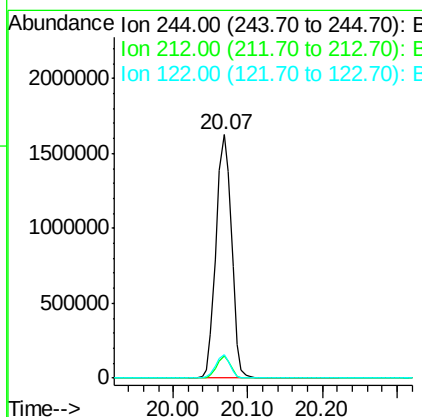
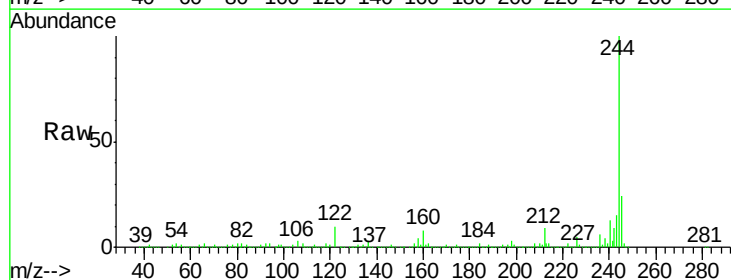
Instrument :
BNA_G
ClientSampleId :
Soil-Cuttings

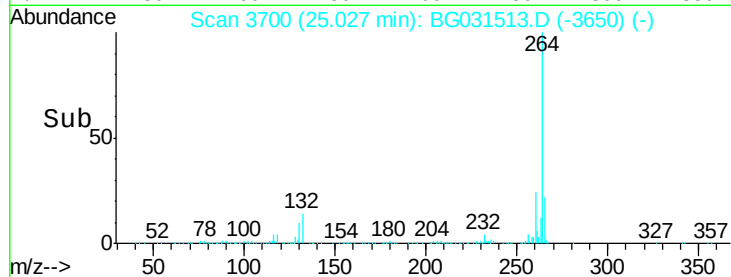
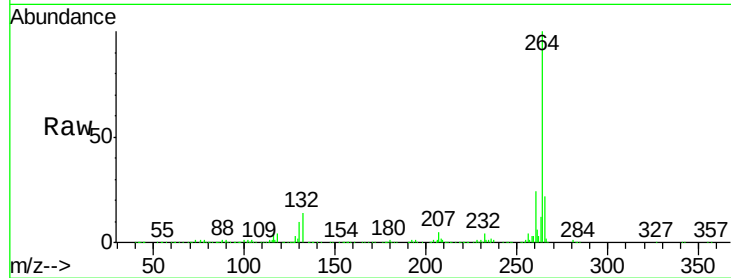
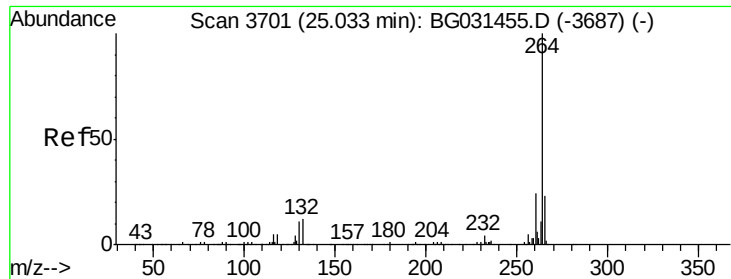
Tot Ion:240 Resp: 590348
Ion Ratio Lower Upper
240 100
120 7.5 6.8 10.2
236 24.9 20.9 31.3



#78
Terphenyl-d14
Concen: 90.000 ng
RT: 20.07 min Scan# 2856
Delta R.T. -0.00 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Tgt Ion:244 Resp: 2335282
Ion Ratio Lower Upper
244 100
212 9.1 5.8 8.8#
122 9.7 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.03 min Scan# 3700
Delta R.T. -0.01 min
Lab File: BG031513.D
Acq: 13 Dec 2017 4:56

Instrument :
BNA_G
ClientSampleId :
Soil-Cuttings

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.7	17.7	26.5

