

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092616\
 Data File : BG024144.D
 Acq On : 26 Sep 2016 16:03
 Operator : UM/SJ
 Sample : H4865-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Quant Time: Sep 27 00:55:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

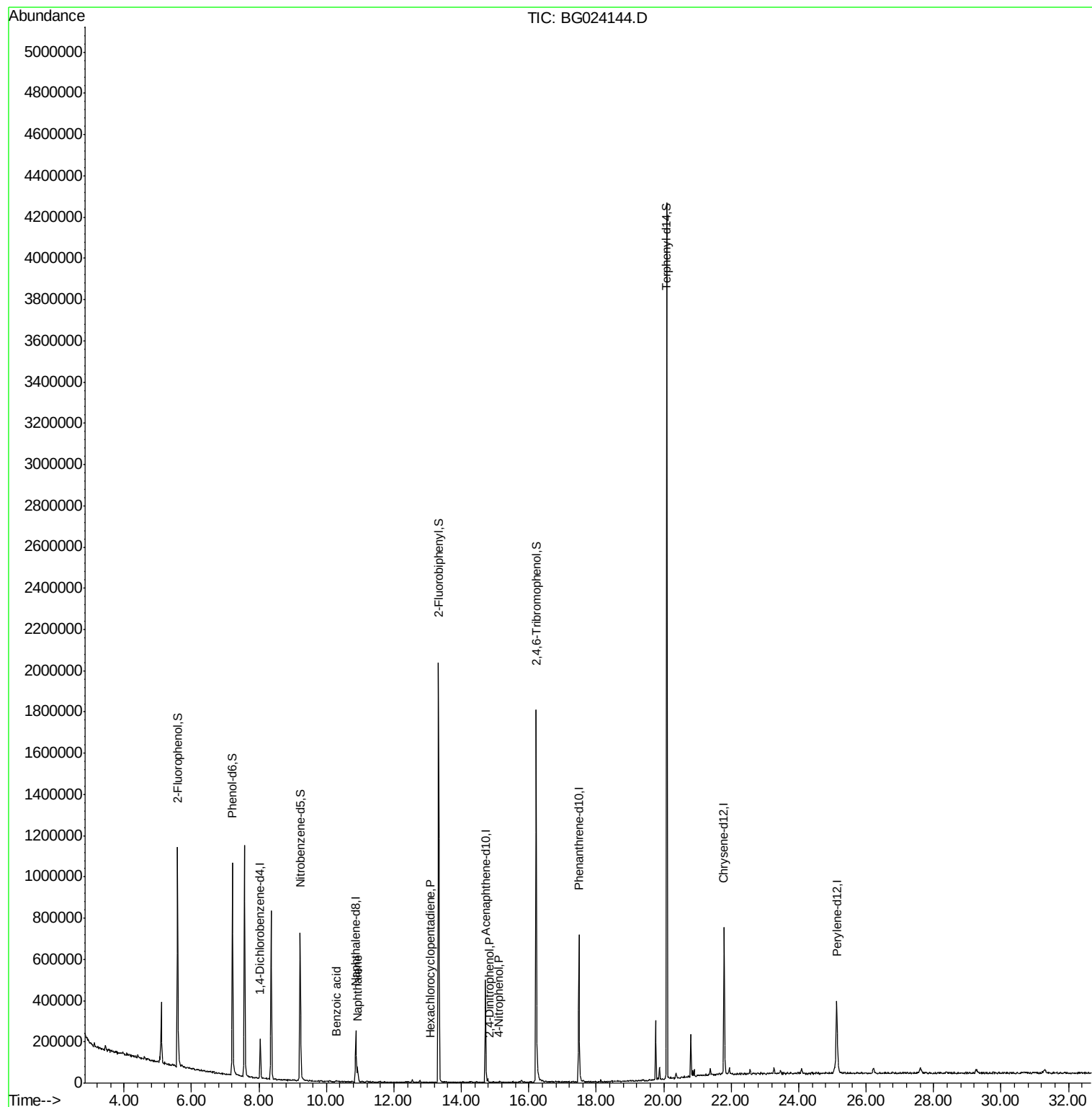
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48755	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	214483	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	181199	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	436951	20.00	ng	0.00
75) Chrysene-d12	21.79	240	448716	20.00	ng	0.00
86) Perylene-d12	25.13	264	419229	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	426323	151.49	ng	0.00
7) Phenol-d6	7.21	99	615397	129.96	ng	0.00
23) Nitrobenzene-d5	9.22	82	490860	90.20	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	330011	126.71	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	998145	92.60	ng	0.00
78) Terphenyl-d14	20.09	244	1710029	78.03	ng	0.00
Target Compounds						
31) Naphthalene	10.92	128	64418	5.93	ng	Qvalue 97
32) Benzoic acid	10.29	122	135	2.21	ng	# 7
40) Hexachlorocyclopentadiene	13.09	237	81	3.62	ng	# 26
53) 2,4-Dinitrophenol	14.85	184	114	2.52	ng	# 10
55) 4-Nitrophenol	15.10	139	61	5.37	ng	# 1

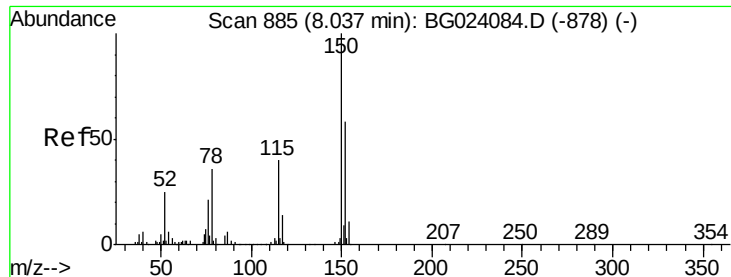
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 23 15:35:28 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Instrument :

BNA_G

ClientSampleId :

SOIL

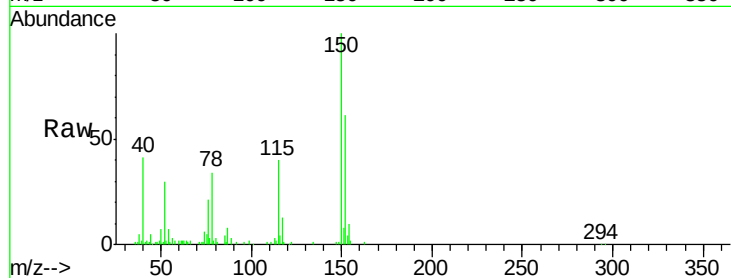
Tgt Ion:152 Resp: 48755

Ion Ratio Lower Upper

152 100

150 164.3 144.7 217.1

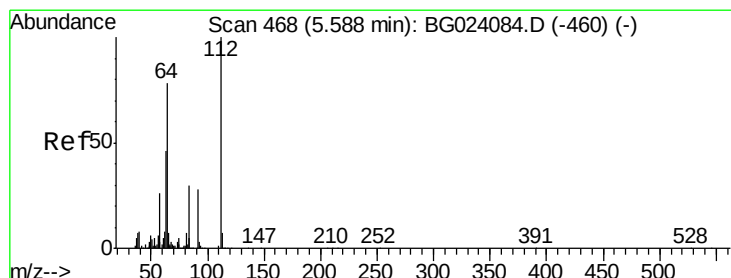
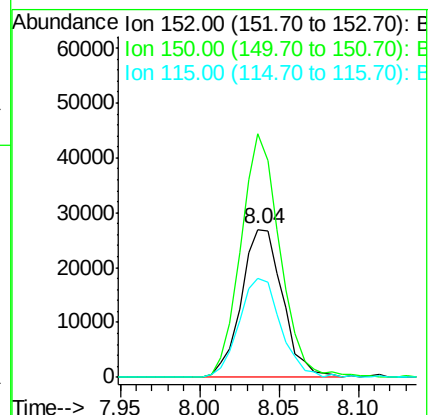
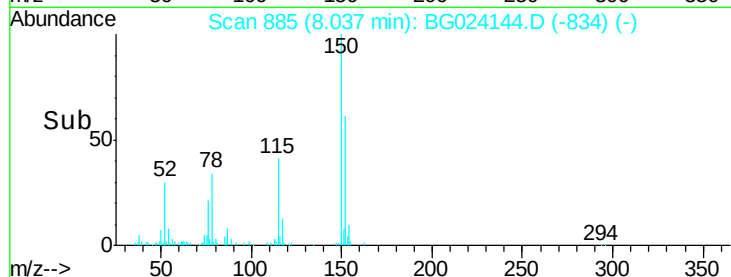
115 66.5 64.0 96.0



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: 151.49 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

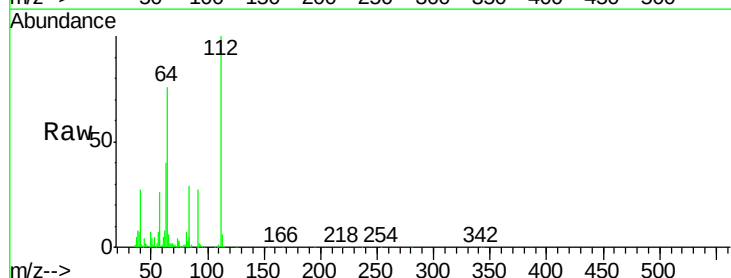
Tgt Ion:112 Resp: 426323

Ion Ratio Lower Upper

112 100

64 76.4 59.0 88.4

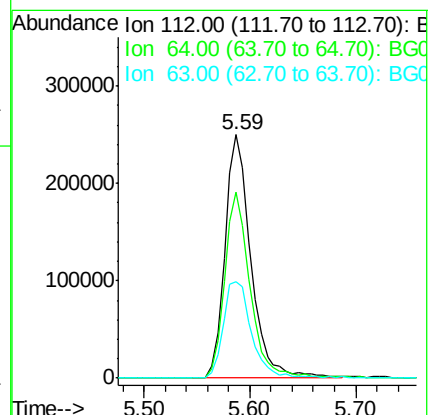
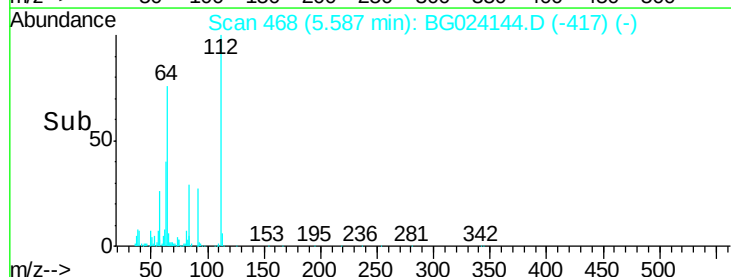
63 39.7 37.8 56.8

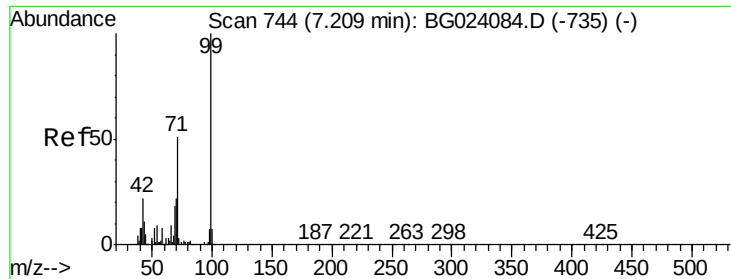


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.96 ng

RT: 7.21 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Instrument :

BNA_G

ClientSampleId :

SOIL

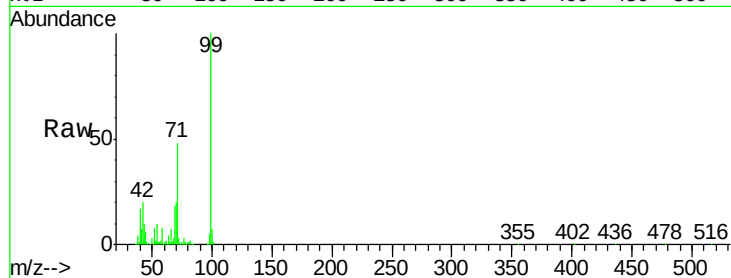
Tgt Ion: 99 Resp: 615397

Ion Ratio Lower Upper

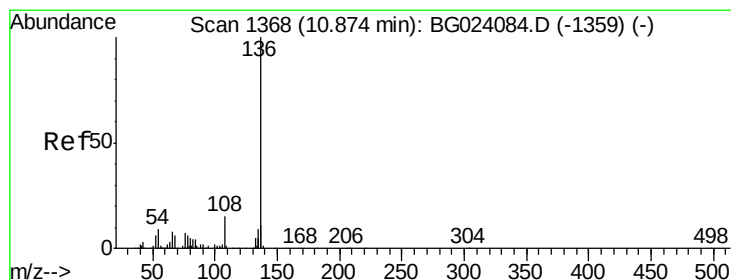
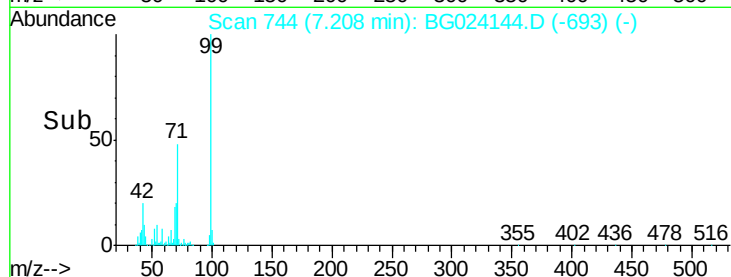
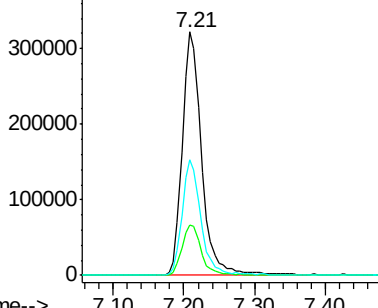
99 100

42 20.5 17.8 26.6

71 47.6 41.5 62.3



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: 20.00 ng

RT: 10.87 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Tgt Ion: 136 Resp: 214483

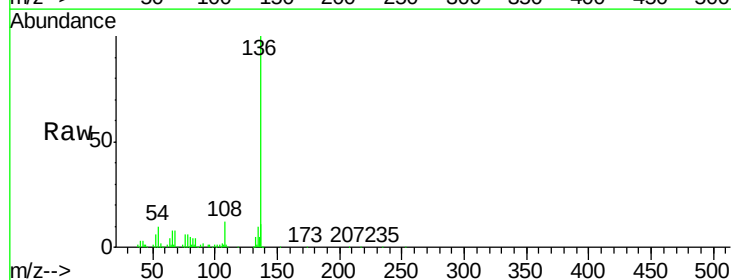
Ion Ratio Lower Upper

136 100

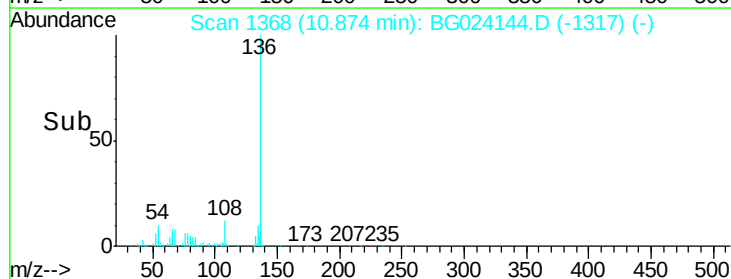
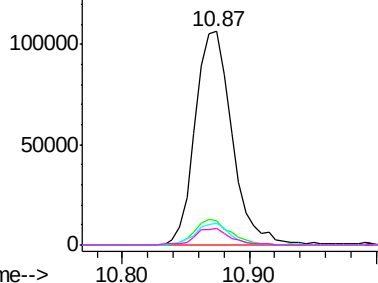
137 11.2 9.6 14.4

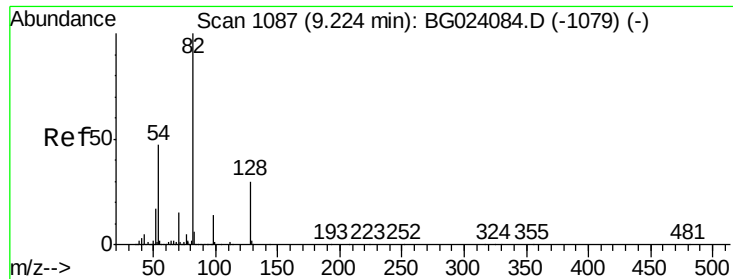
54 10.4 7.3 10.9

68 7.8 5.3 7.9



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: 90.20 ng

RT: 9.22 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Instrument :

BNA_G

ClientSampleId :

SOIL

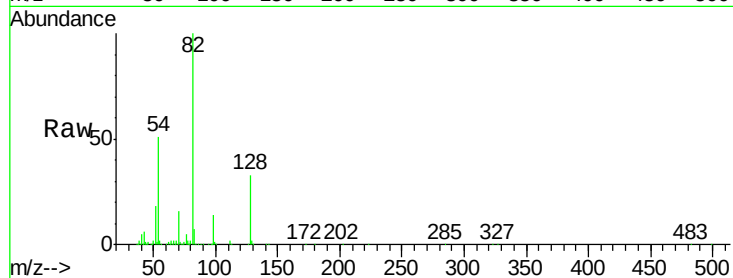
Tgt Ion: 82 Resp: 490860

Ion Ratio Lower Upper

82 100

128 32.6 24.4 36.6

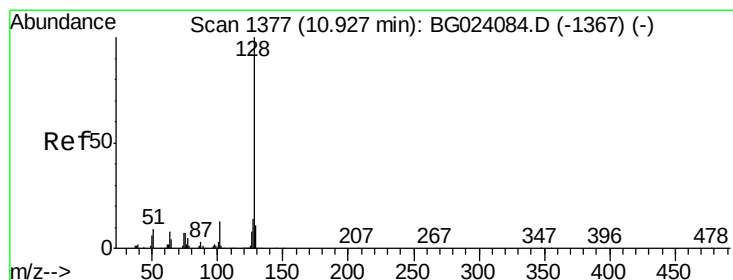
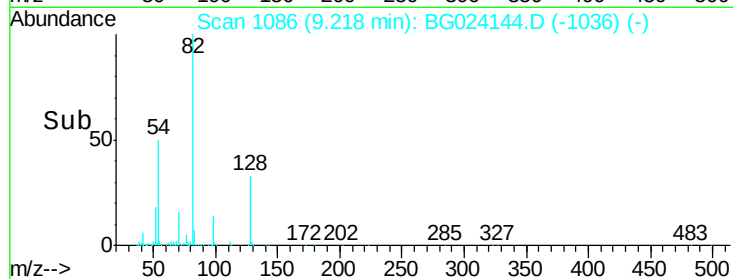
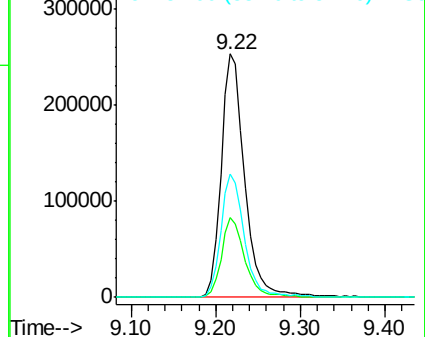
54 50.6 41.4 62.0



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



#31

Naphthalene

Concen: 5.93 ng

RT: 10.92 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

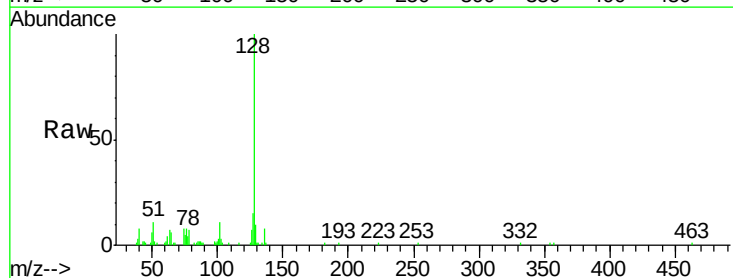
Tgt Ion: 128 Resp: 64418

Ion Ratio Lower Upper

128 100

129 10.4 9.4 14.0

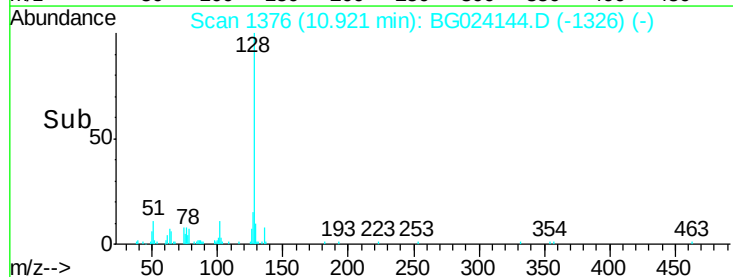
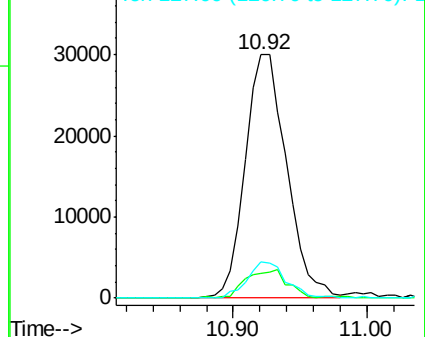
127 14.9 11.3 16.9

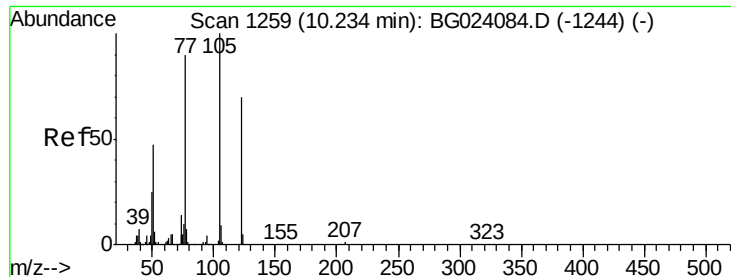


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 2.21 ng

RT: 10.29 min Scan# 1269

Delta R.T. 0.06 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Instrument :

BNA_G

ClientSampled :

SOIL

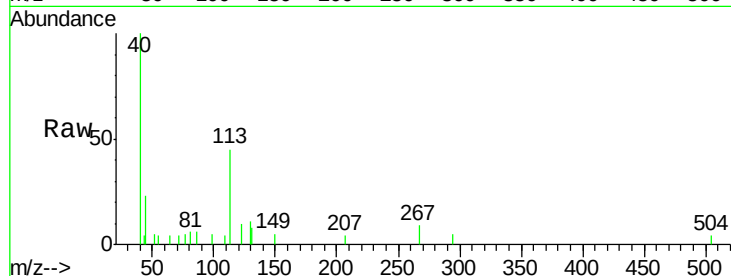
Tgt Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

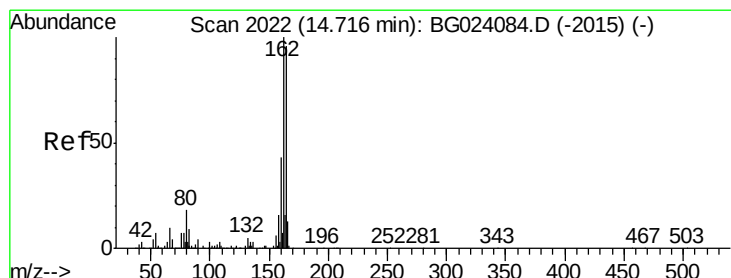
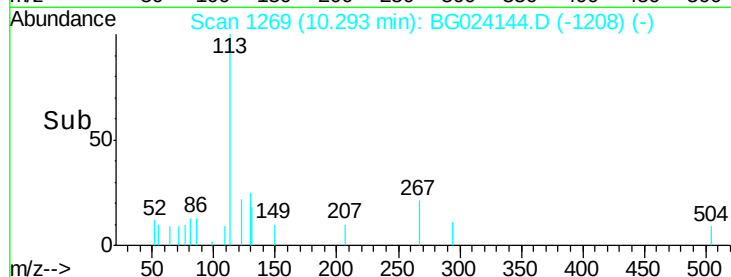
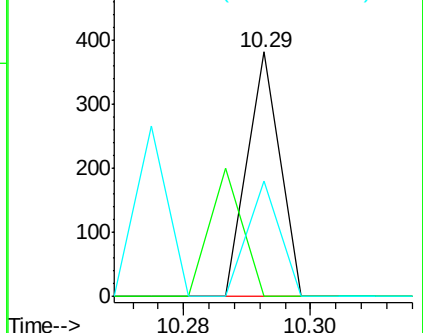
77 46.9 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

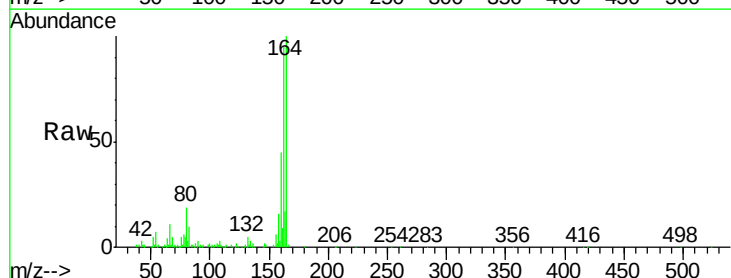
Tgt Ion:164 Resp: 181199

Ion Ratio Lower Upper

164 100

162 95.3 87.7 131.5

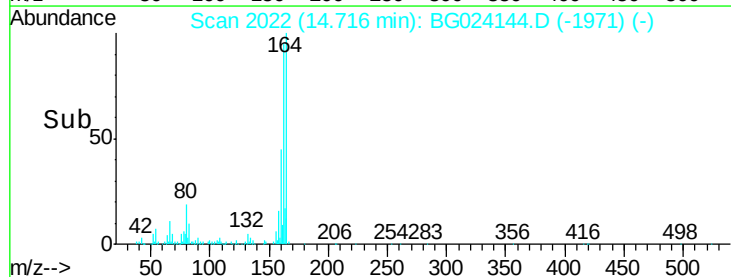
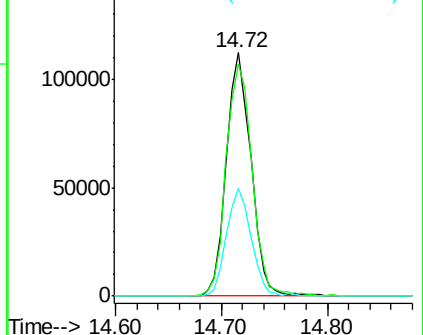
160 44.5 37.2 55.8

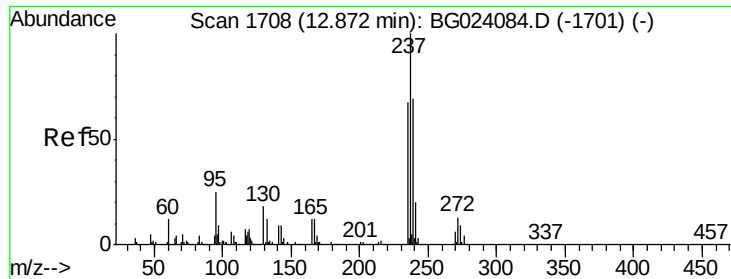


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 3.62 ng

RT: 13.09 min Scan# 1745

Delta R.T. 0.22 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

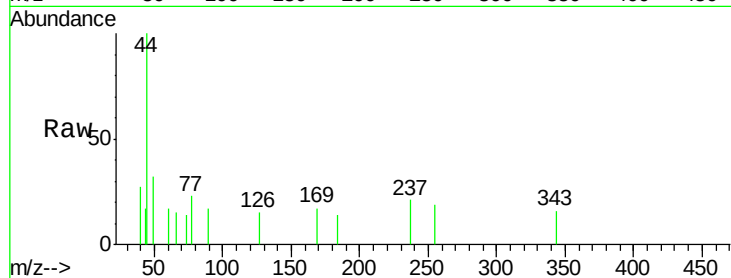
Instrument :

BNA_G

ClientSampleId :

SOIL

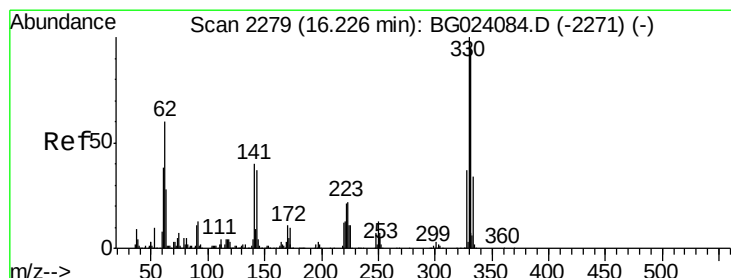
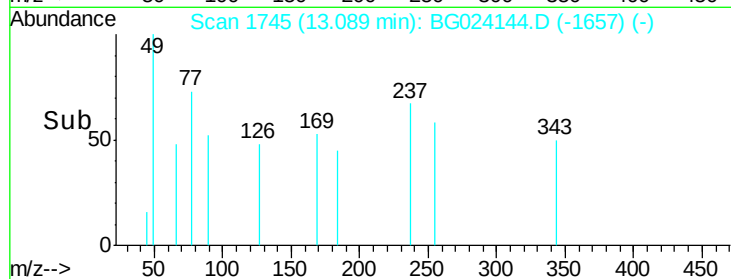
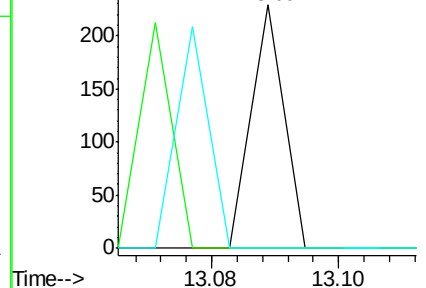
Tgt Ion:	237	Resp:	81
Ion	Ratio	Lower	Upper
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	30.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 126.71 ng

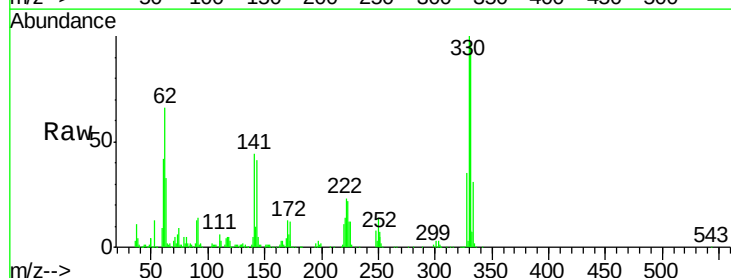
RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

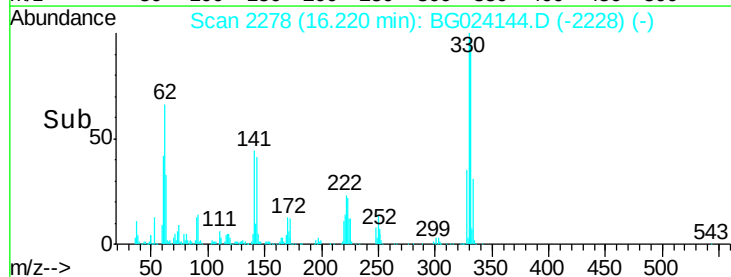
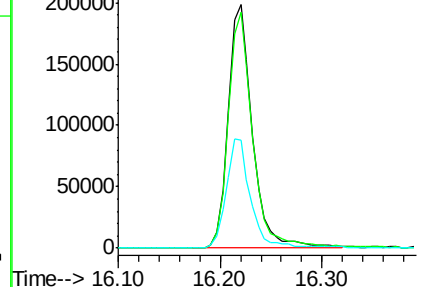
Tgt Ion:	330	Resp:	330011
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	43.9	31.7	47.5

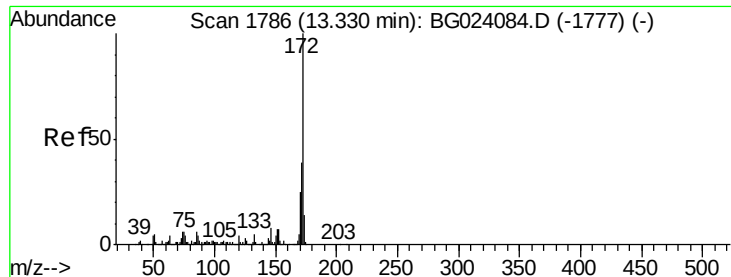


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 92.60 ng

RT: 13.32 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

Instrument :

BNA_G

ClientSampleId :

SOIL

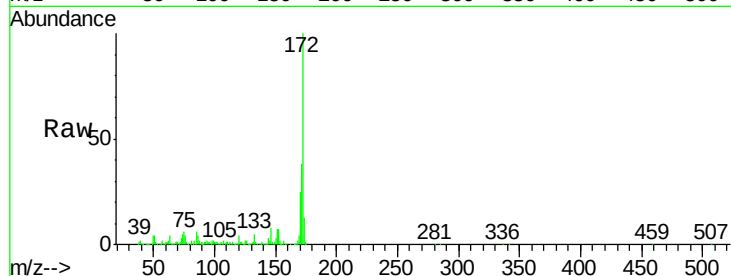
Tgt Ion:172 Resp: 998145

Ion Ratio Lower Upper

172 100

171 38.1 31.6 47.4

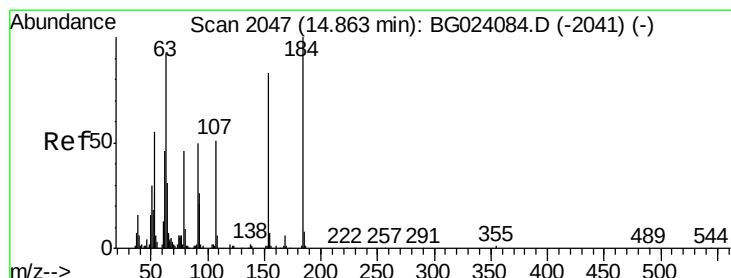
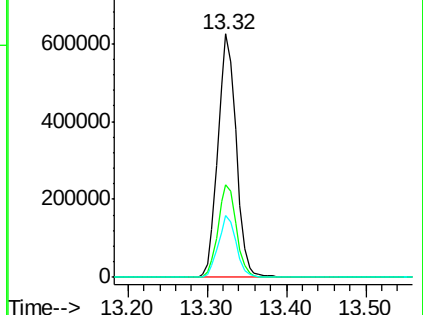
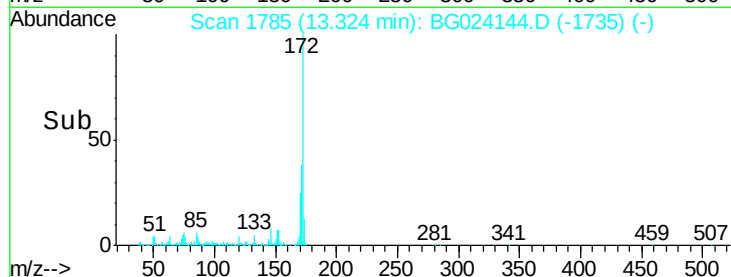
170 25.3 21.3 31.9



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



#53

2,4-Dinitrophenol

Concen: 2.52 ng

RT: 14.85 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BG024144.D

Acq: 26 Sep 2016 16:03

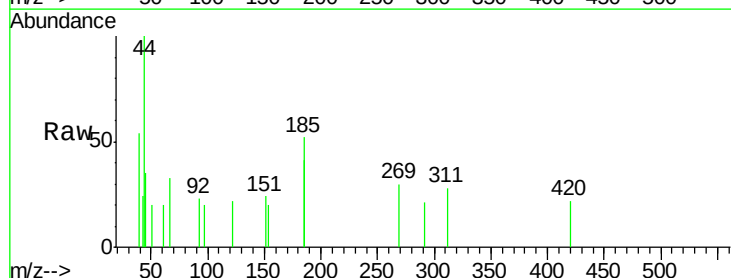
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

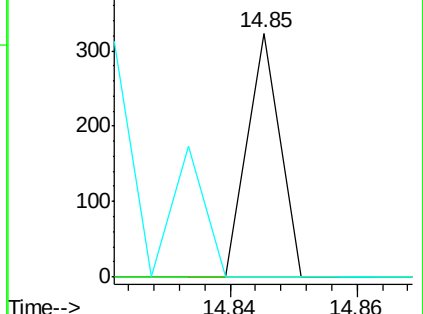
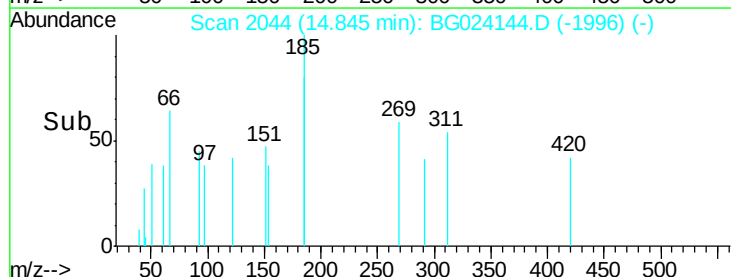
154 0.0 67.4 101.0#

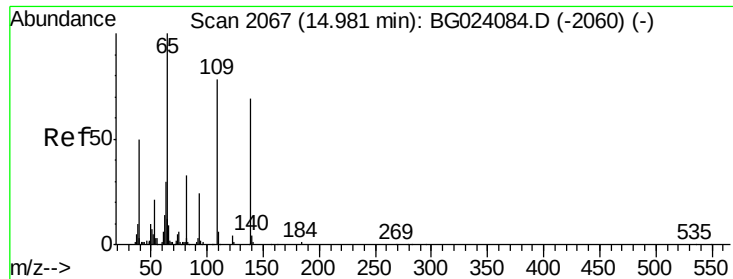


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

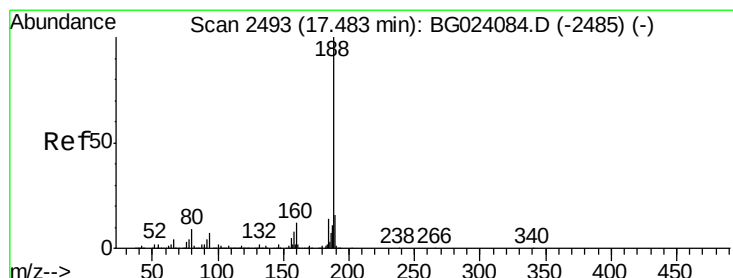
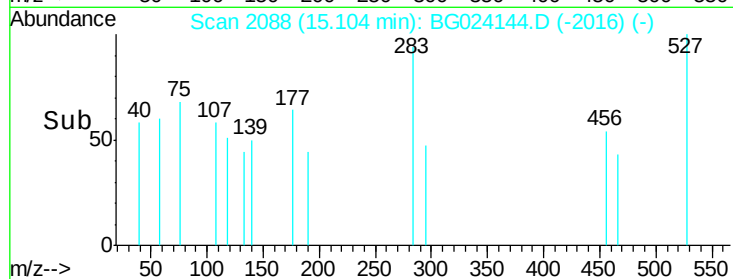
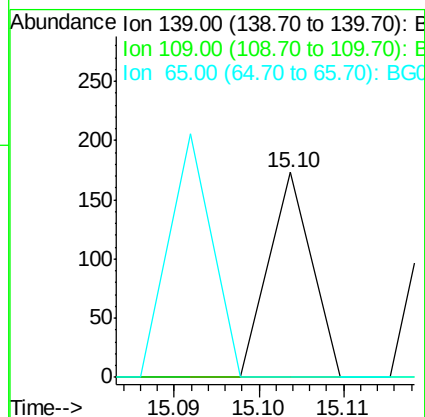
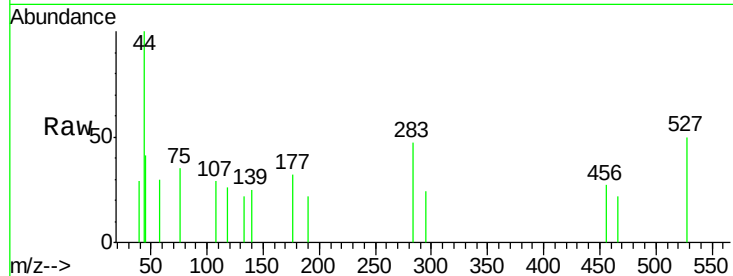




#55
4-Nitrophenol
Concen: 5.37 ng
RT: 15.10 min Scan# 2088
Delta R.T. 0.12 min
Lab File: BG024144.D
Acq: 26 Sep 2016 16:03

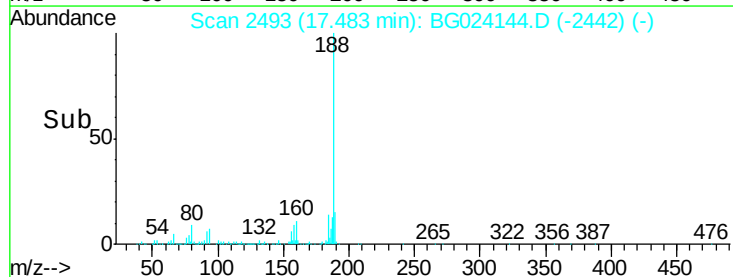
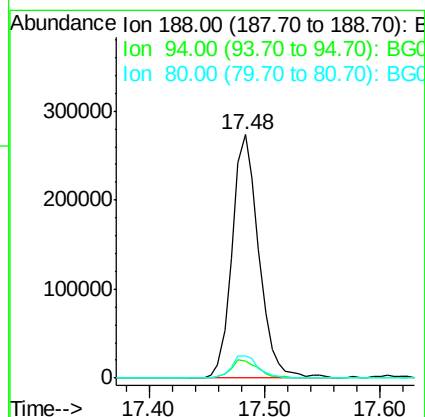
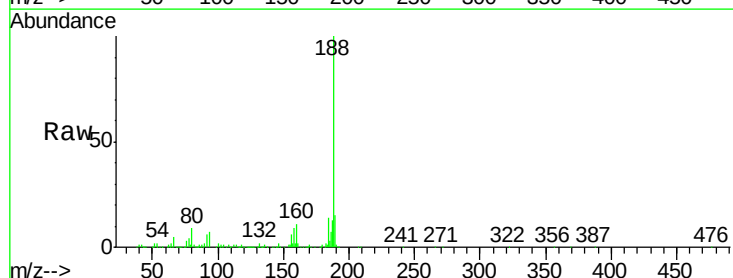
Instrument :
BNA_G
ClientSampled :
SOIL

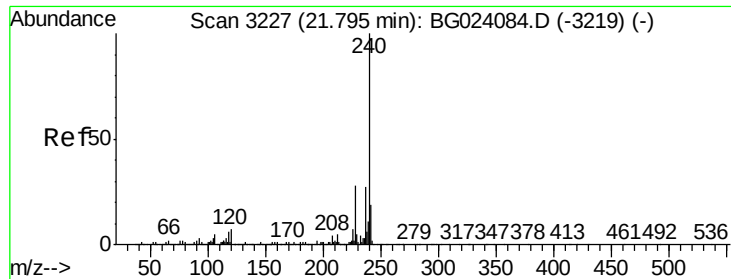
Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 0.0 112.7 152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024144.D
Acq: 26 Sep 2016 16:03

Tgt Ion:188 Resp: 436951
Ion Ratio Lower Upper
188 100
94 7.1 5.2 7.8
80 9.2 7.2 10.8

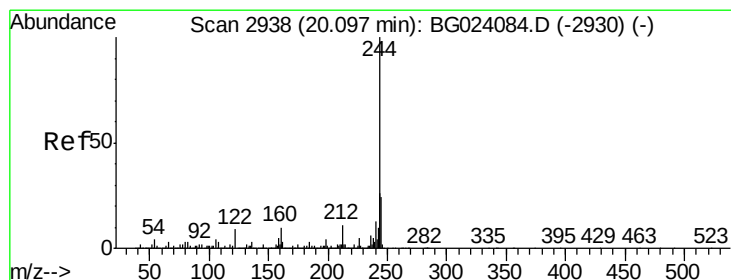
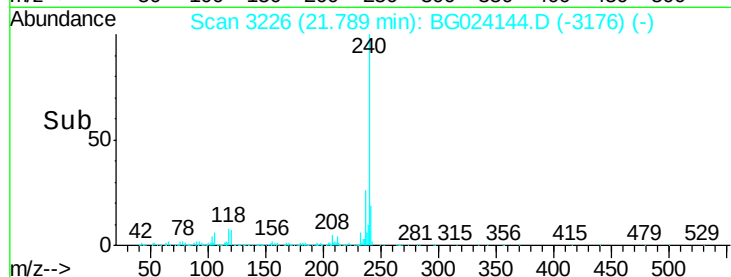
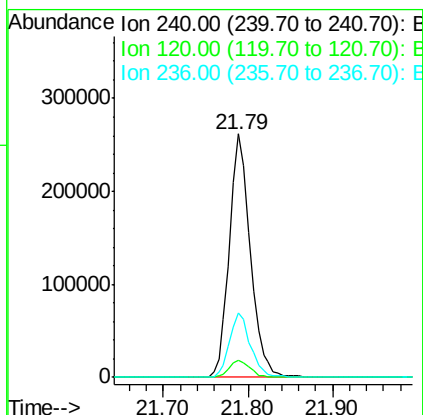
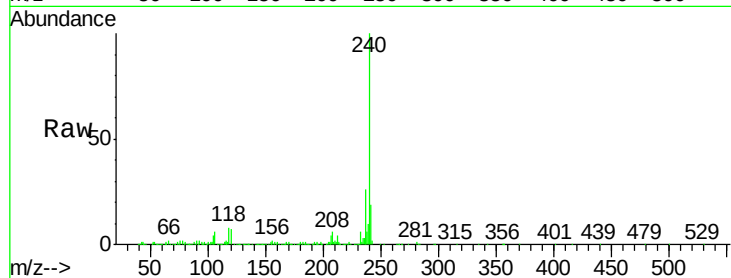




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG024144.D
Acq: 26 Sep 2016 16:03

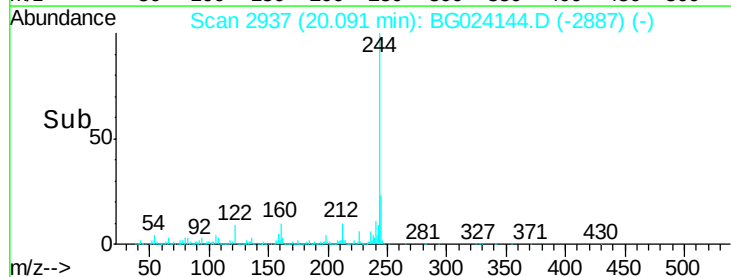
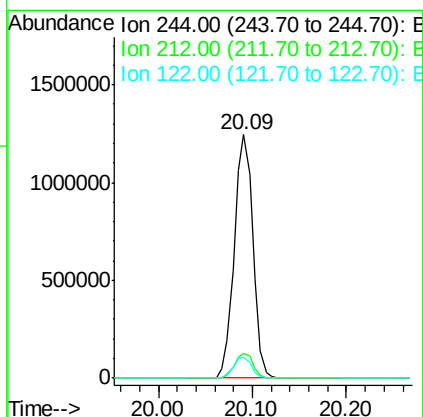
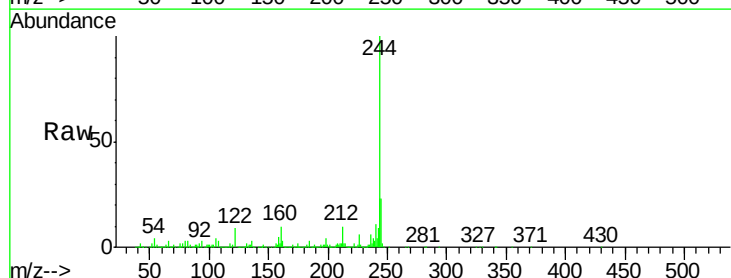
Instrument :
BNA_G
ClientSampleId :
SOIL

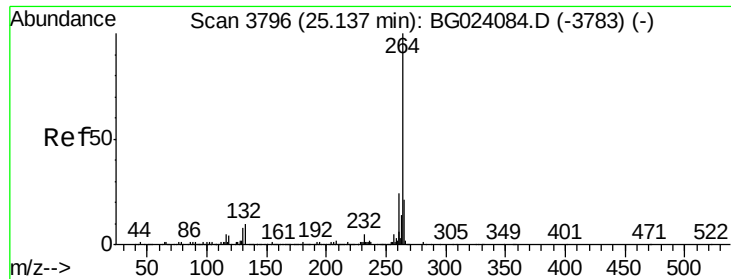
Tgt Ion:240 Resp: 448716
Ion Ratio Lower Upper
240 100
120 7.2 4.1 6.1#
236 26.3 21.1 31.7



#78
Terphenyl-d14
Concen: 78.03 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024144.D
Acq: 26 Sep 2016 16:03

Tgt Ion:244 Resp: 1710029
Ion Ratio Lower Upper
244 100
212 10.3 10.8 16.2#
122 8.7 8.0 12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3794
Delta R.T. -0.01 min
Lab File: BG024144.D
Acq: 26 Sep 2016 16:03

Instrument :
BNA_G
ClientSampleId :
SOIL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.1	18.9	28.3

