

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062416\
 Data File : BG022526.D
 Acq On : 24 Jun 2016 5:34
 Operator : UM/SJ
 Sample : H3684-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Quant Time: Jun 24 07:17:54 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 04:19:57 2016
 Response via : Initial Calibration

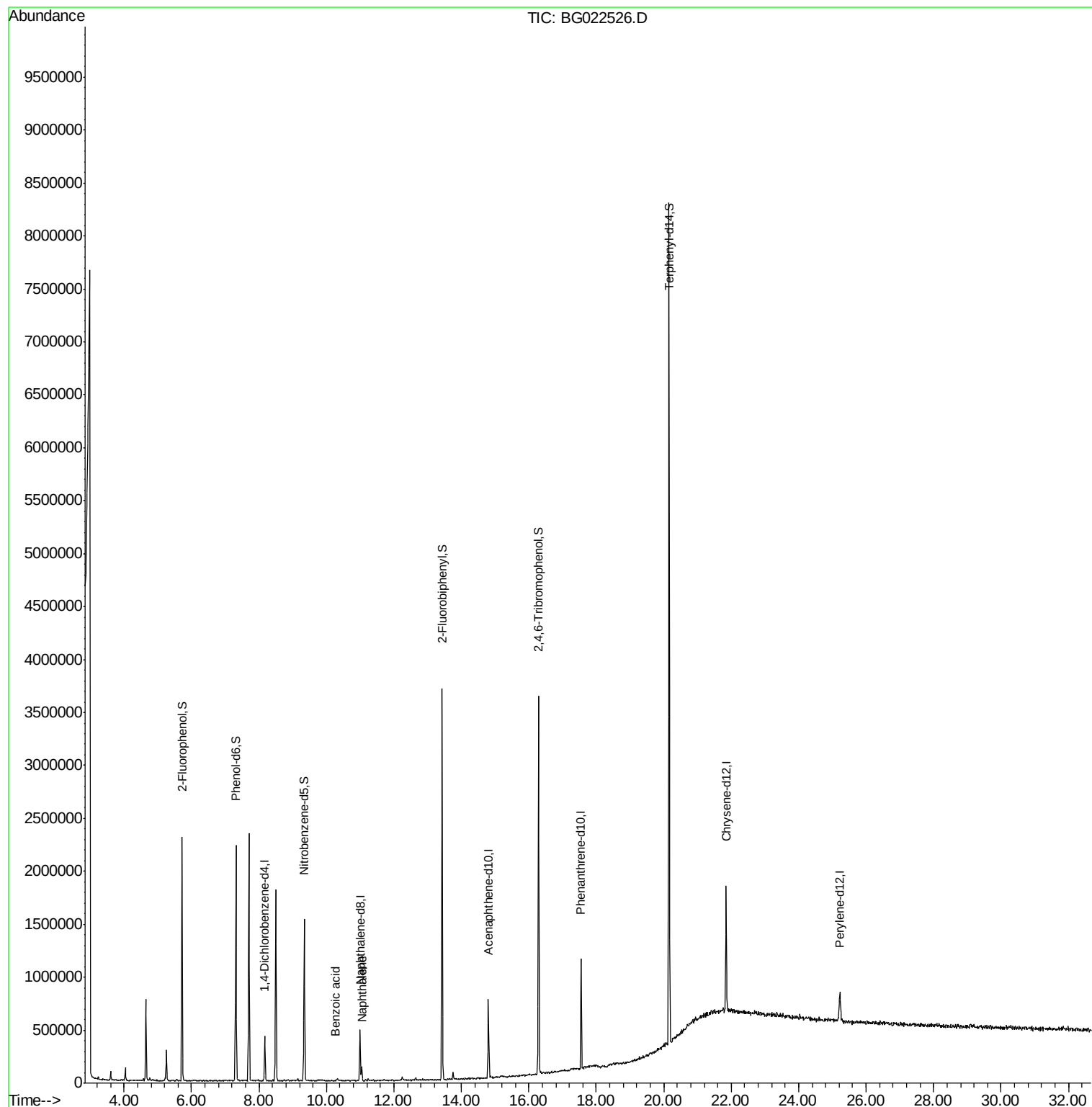
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	92377	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	376751	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	245935	20.00	ng	-0.01
63) Phenanthrene-d10	17.55	188	625180	20.00	ng	-0.02
75) Chrysene-d12	21.85	240	738771	20.00	ng	-0.01
86) Perylene-d12	25.22	264	194226	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	836846	146.70	ng	0.00
7) Phenol-d6	7.32	99	1101272	137.90	ng	0.00
23) Nitrobenzene-d5	9.34	82	919036	104.44	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	643176	168.52	ng	-0.01
44) 2-Fluorobiphenyl	13.43	172	1745881	108.35	ng	-0.01
78) Terphenyl-d14	20.16	244	2761824	122.08	ng	0.00
Target Compounds						
31) Naphthalene	11.05	128	97310	5.23	ng	99
32) Benzoic acid	10.28	122	65	3.88	ng	# 1
53) 2,4-Dinitrophenol	14.91	184	62	Below Cal	#	10
64) 4,6-Dinitro-2-methylphenol	15.92	198	108	Below Cal	#	1
73) Di-n-butylphthalate	18.51	149	3678	Below Cal	#	88
74) Fluoranthene	19.60	202	2590	Below Cal	#	11

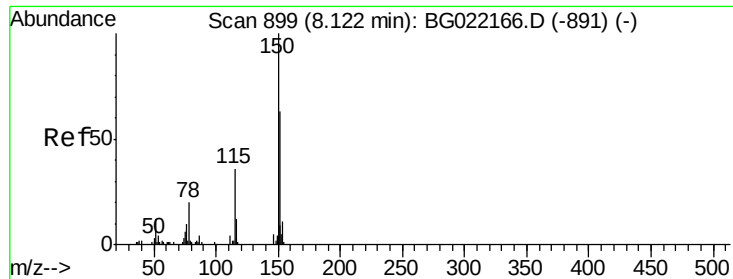
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062416\
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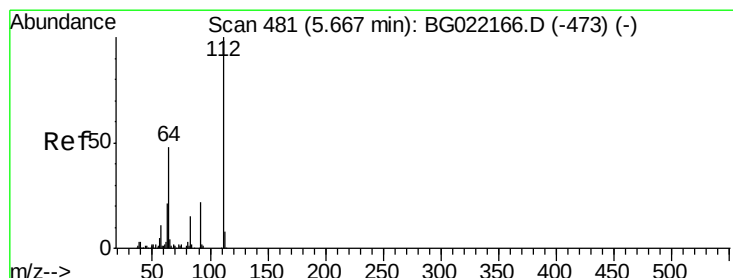
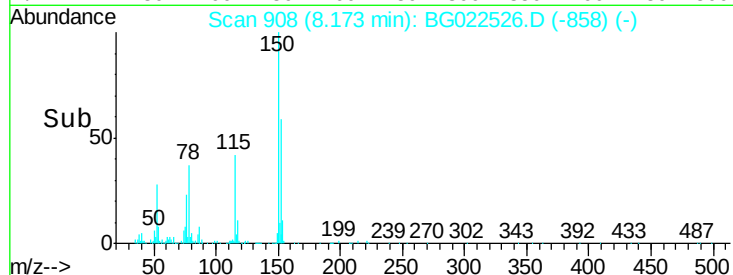
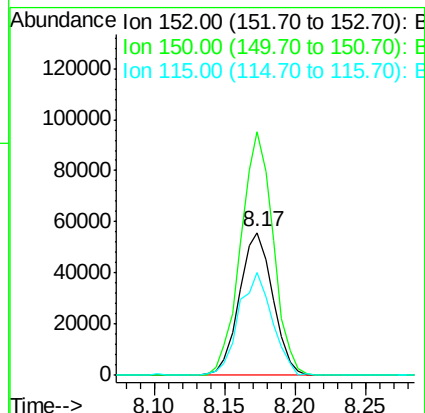
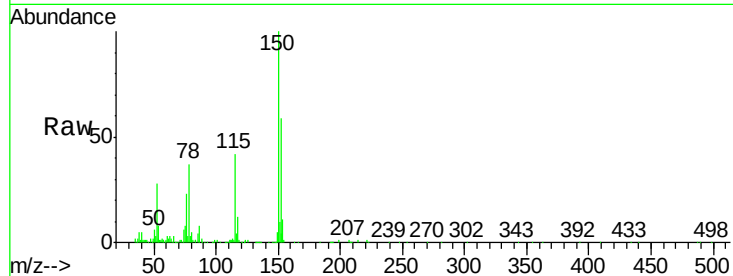


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 908
Delta R.T. -0.01 min
Lab File: BG022526.D
Acq: 24 Jun 2016 5:34

Instrument :
BNA_G
ClientSampled :
SOIL

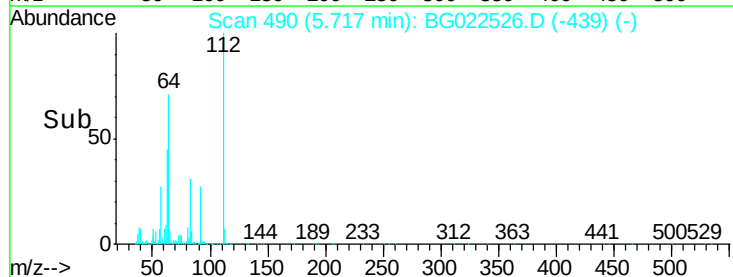
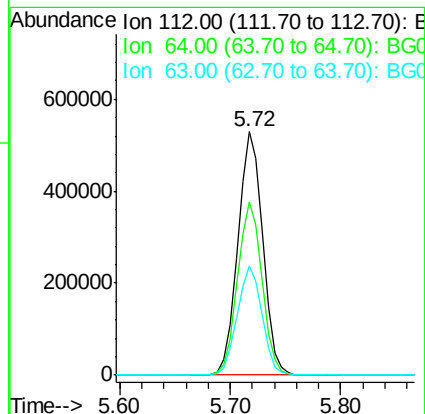
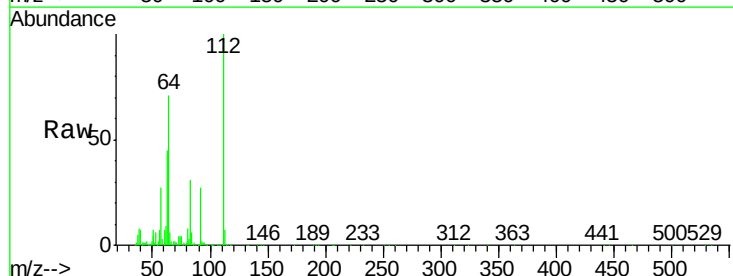
Tgt Ion:152 Resp: 92377
Ion Ratio Lower Upper
152 100
150 170.6 144.7 217.1
115 72.4 64.0 96.0

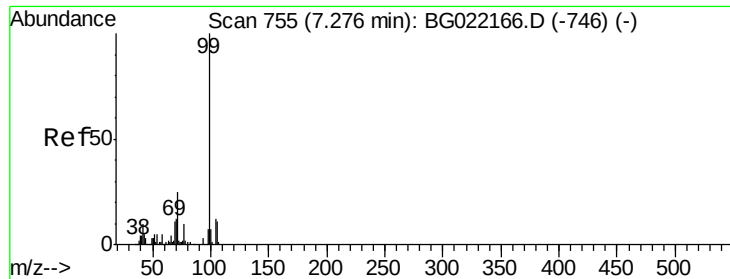


#5

2-Fluorophenol
Concen: 146.70 ng
RT: 5.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: BG022526.D
Acq: 24 Jun 2016 5:34

Tgt Ion:112 Resp: 836846
Ion Ratio Lower Upper
112 100
64 70.9 59.0 88.4
63 45.1 37.8 56.8





#7

Phenol-d6

Concen: 137.90 ng

RT: 7.32 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

Instrument :

BNA_G

ClientSampled :

SOIL

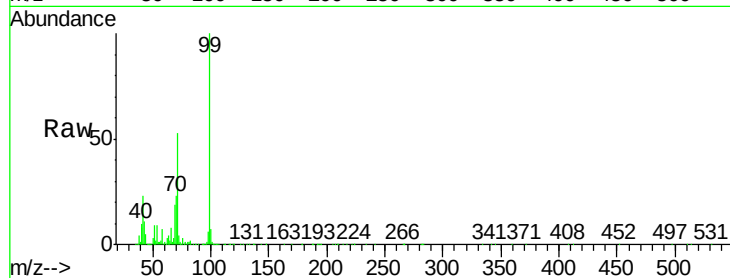
Tgt Ion: 99 Resp: 1101272

Ion Ratio Lower Upper

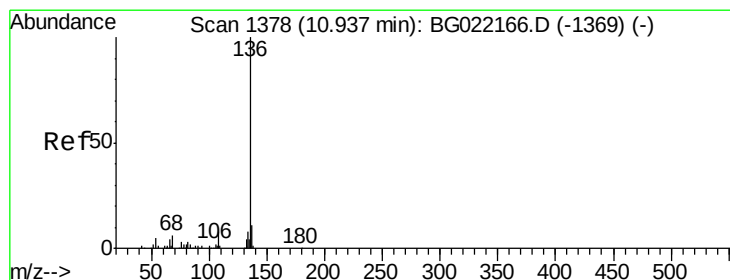
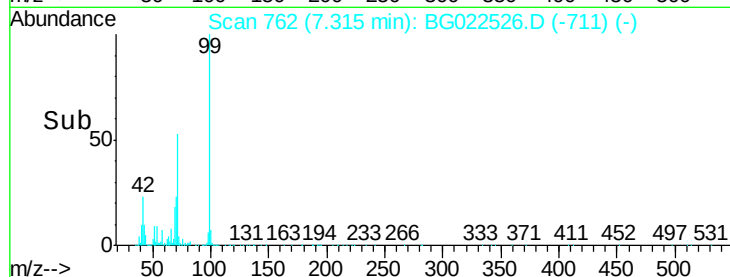
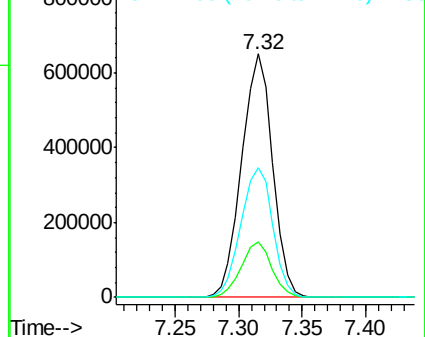
99 100

42 22.8 17.8 26.6

71 53.1 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: 11.00 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

Tgt Ion: 136 Resp: 376751

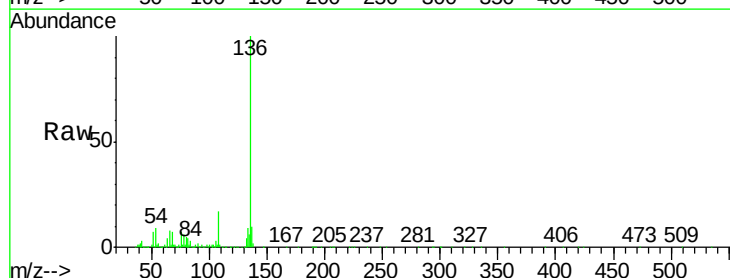
Ion Ratio Lower Upper

136 100

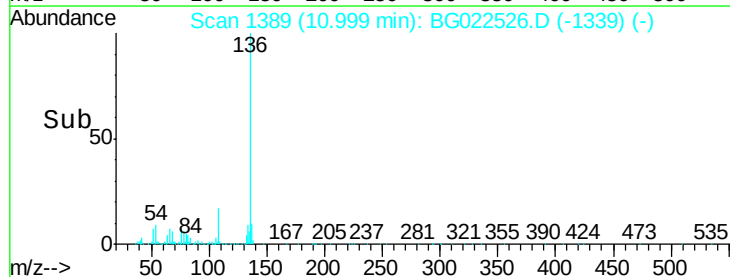
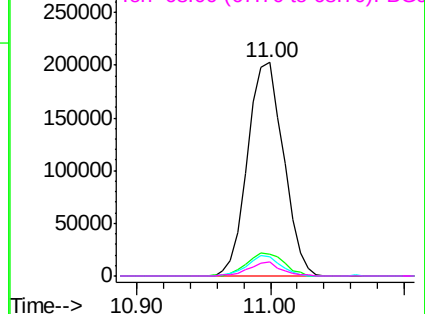
137 10.4 9.6 14.4

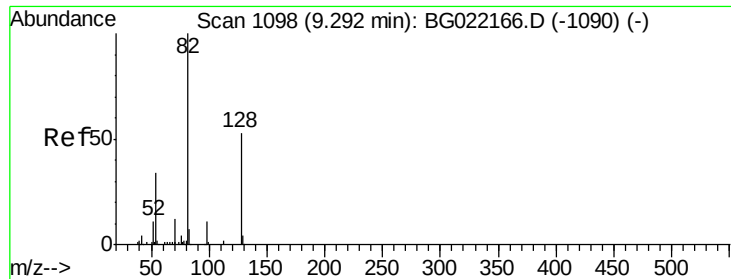
54 8.9 7.3 10.9

68 6.6 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

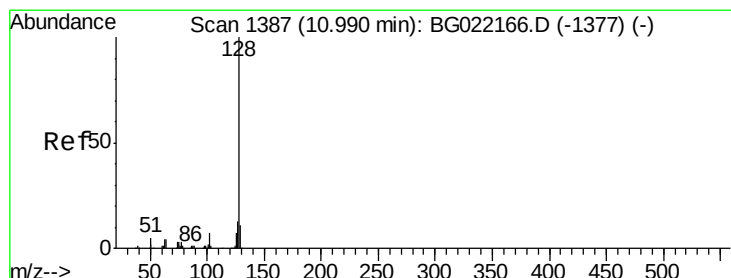
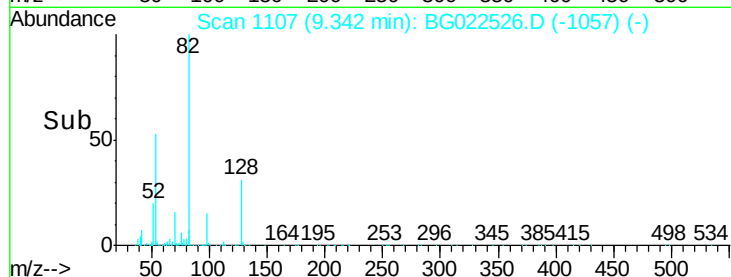
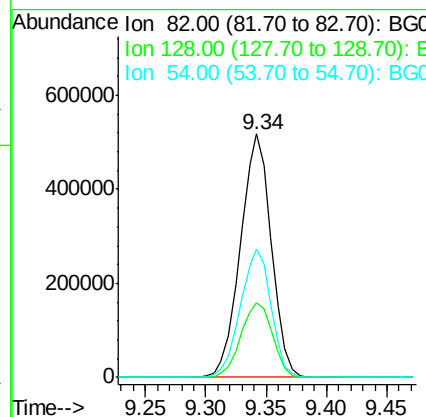
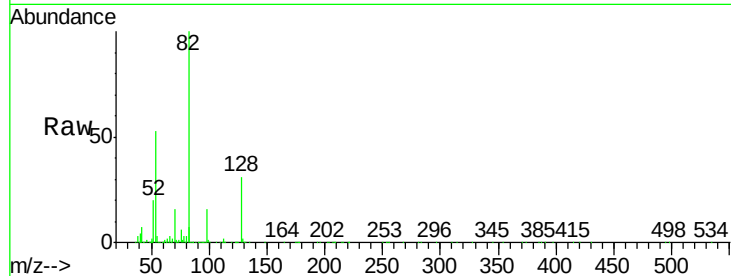




#23
 Nitrobenzene-d5
 Concen: 104.44 ng
 RT: 9.34 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BG022526.D
 Acq: 24 Jun 2016 5:34

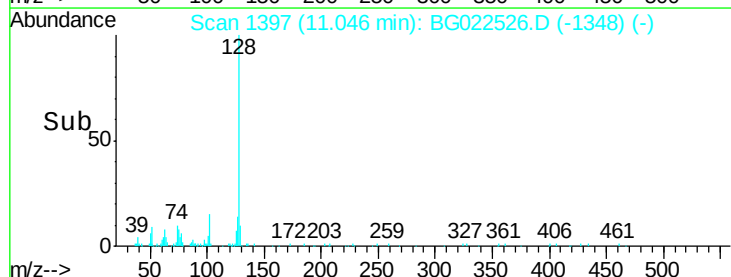
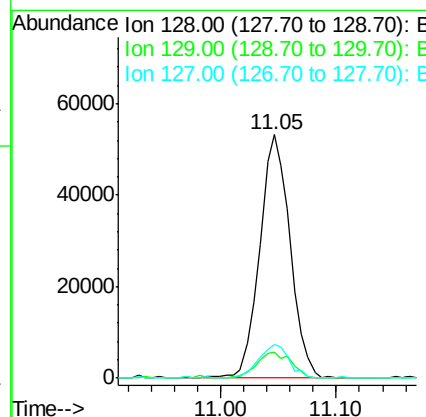
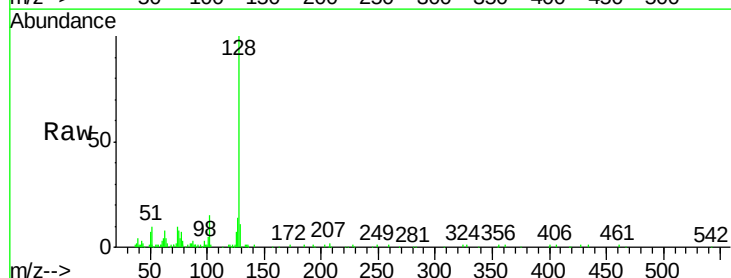
Instrument :
 BNA_G
 ClientSampleId :
 SOIL

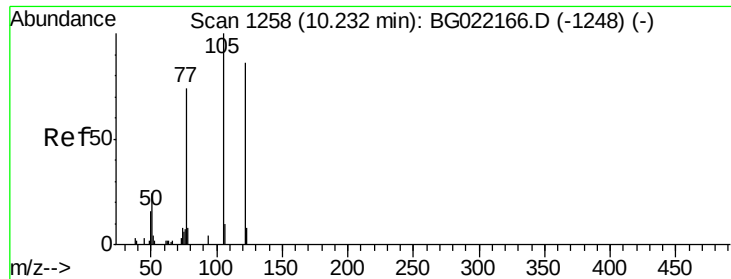
Tgt Ion: 82 Resp: 919036
 Ion Ratio Lower Upper
 82 100
 128 30.9 24.4 36.6
 54 53.0 41.4 62.0



#31
 Naphthalene
 Concen: 5.23 ng
 RT: 11.05 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BG022526.D
 Acq: 24 Jun 2016 5:34

Tgt Ion: 128 Resp: 97310
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.4 14.0
 127 14.0 11.3 16.9

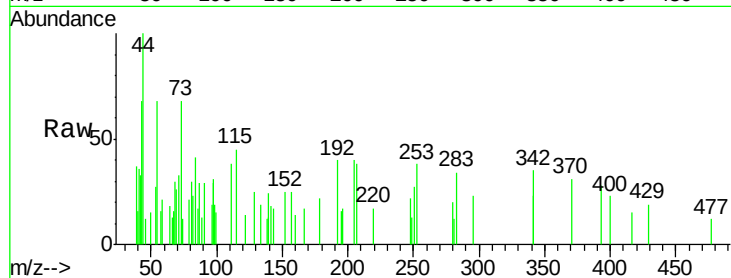




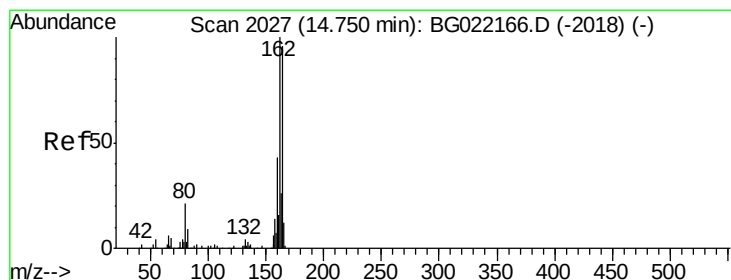
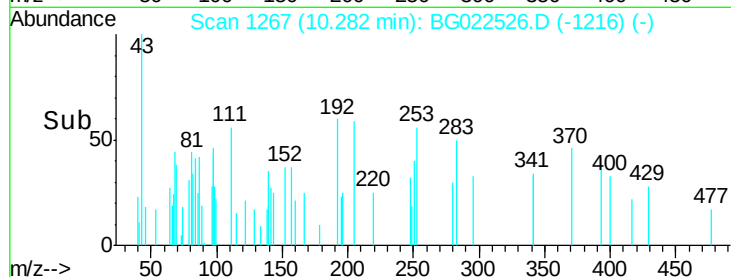
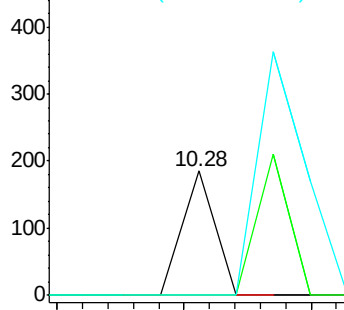
#32
Benzoic acid
Concen: 3.88 ng
RT: 10.28 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BG022526.D
Acq: 24 Jun 2016 5:34

Instrument :
BNA_G
ClientSampleId :
SOIL

Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 0.0 117.2 157.2#
77 0.0 109.2 149.2#

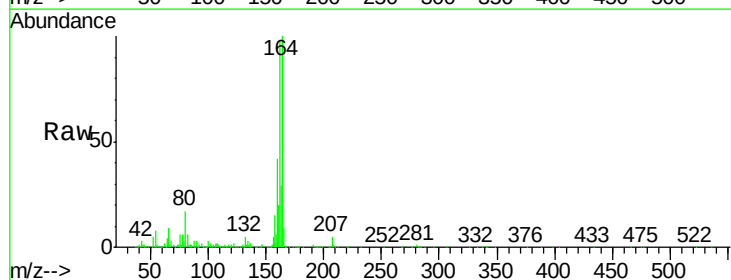


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

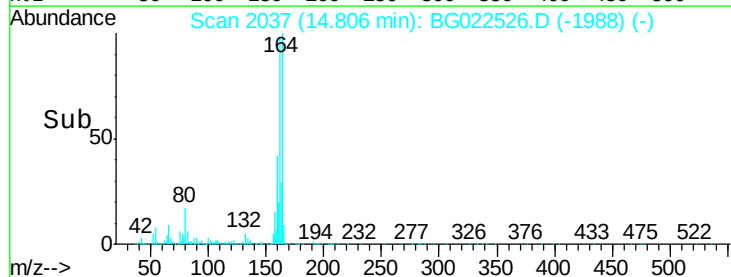
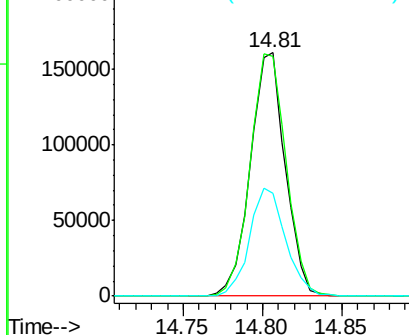


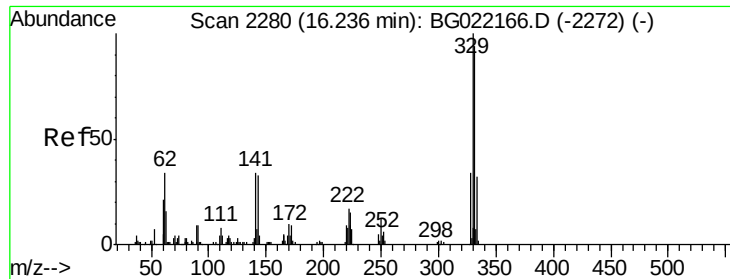
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BG022526.D
Acq: 24 Jun 2016 5:34

Tgt Ion:164 Resp: 245935
Ion Ratio Lower Upper
164 100
162 98.5 87.7 131.5
160 42.3 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

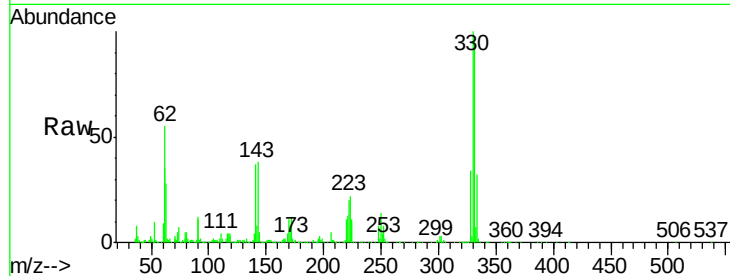




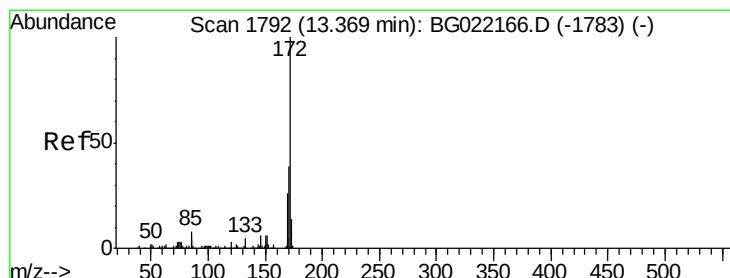
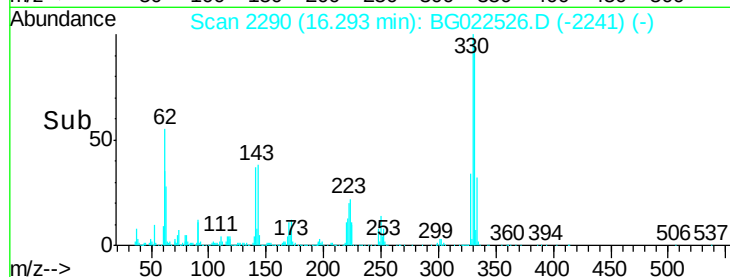
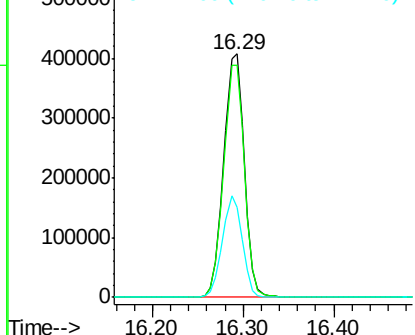
#41
 2,4,6-Tribromophenol
 Concen: 168.52 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BG022526.D
 Acq: 24 Jun 2016 5:34

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Tgt Ion:330 Resp: 643176
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 40.1 31.7 47.5

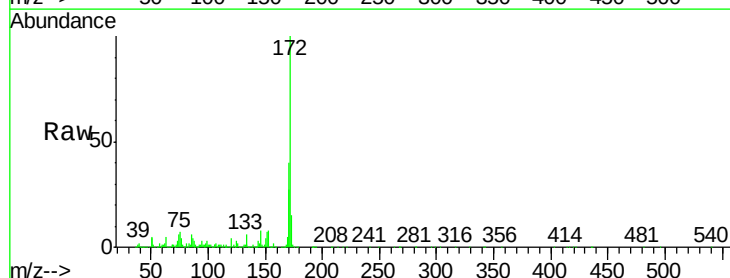


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

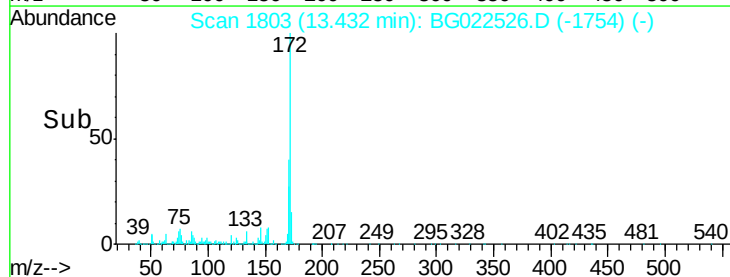
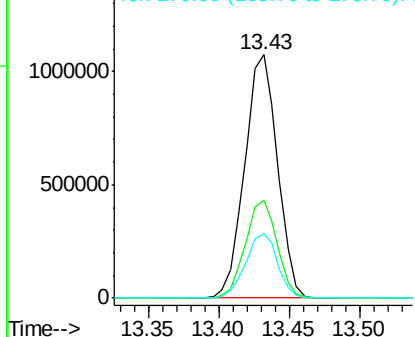


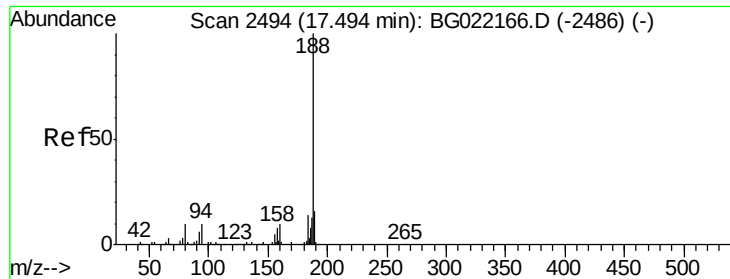
#44
 2-Fluorobiphenyl
 Concen: 108.35 ng
 RT: 13.43 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BG022526.D
 Acq: 24 Jun 2016 5:34

Tgt Ion:172 Resp: 1745881
 Ion Ratio Lower Upper
 172 100
 171 40.3 31.6 47.4
 170 26.5 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.02 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

Instrument :

BNA_G

ClientSampled :

SOIL

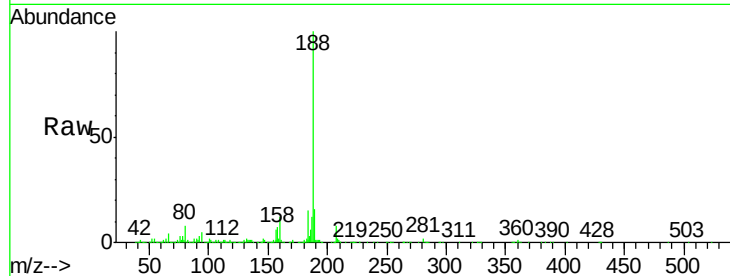
Tgt Ion:188 Resp: 625180

Ion Ratio Lower Upper

188 100

94 5.2 5.2 7.8

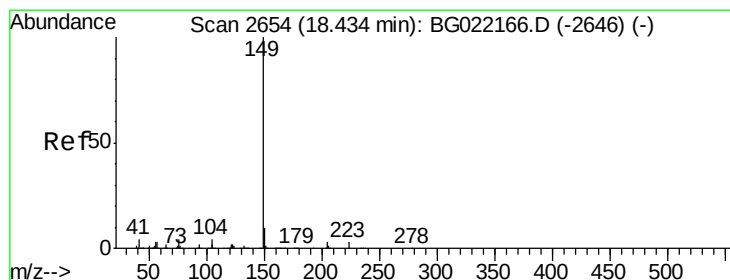
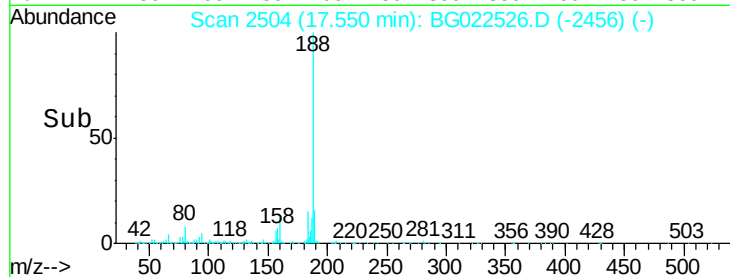
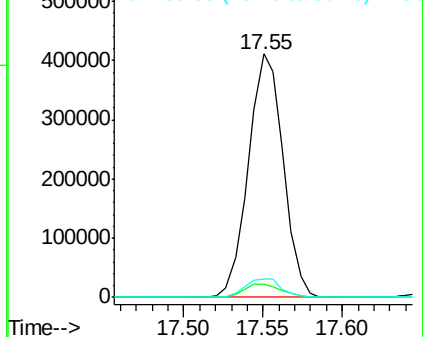
80 7.7 7.2 10.8



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.51 min Scan# 2668

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

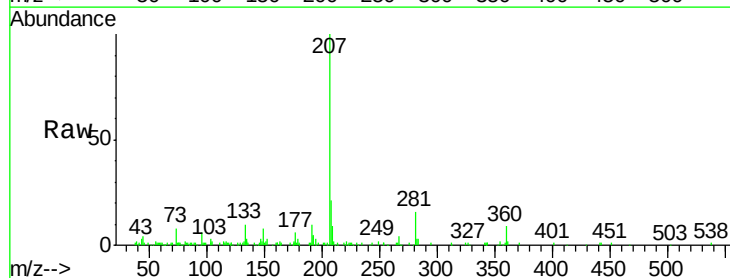
Tgt Ion:149 Resp: 3678

Ion Ratio Lower Upper

149 100

150 8.5 9.1 13.7#

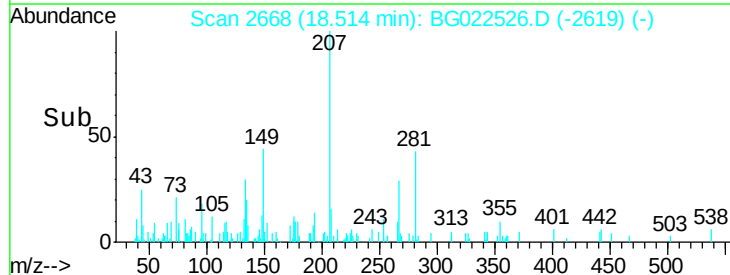
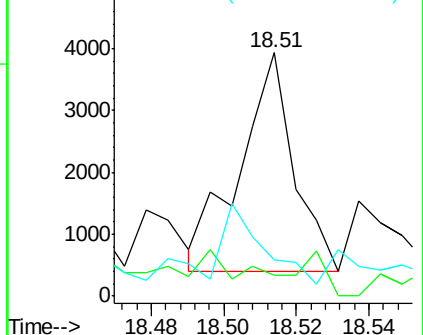
104 14.7 6.9 10.3#

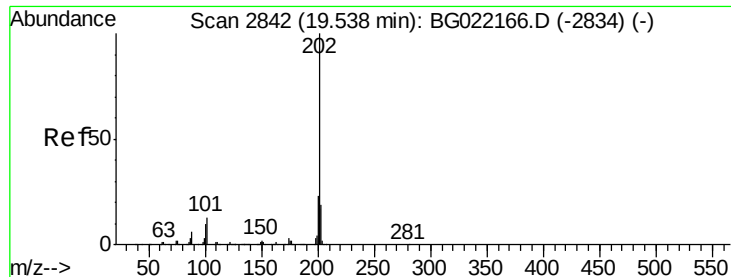


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 19.60 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

Instrument :

BNA_G

ClientSampleId :

SOIL

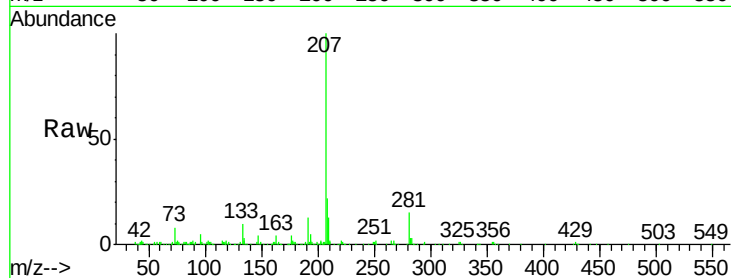
Tgt Ion:202 Resp: 2590

Ion Ratio Lower Upper

202 100

101 64.6 0.0 27.4#

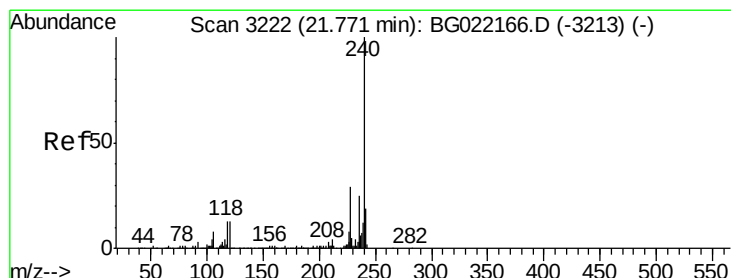
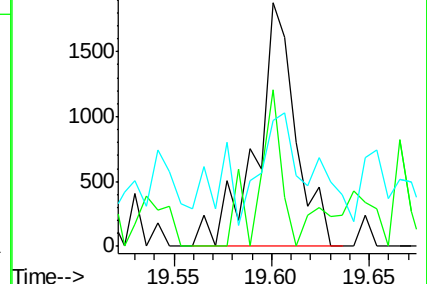
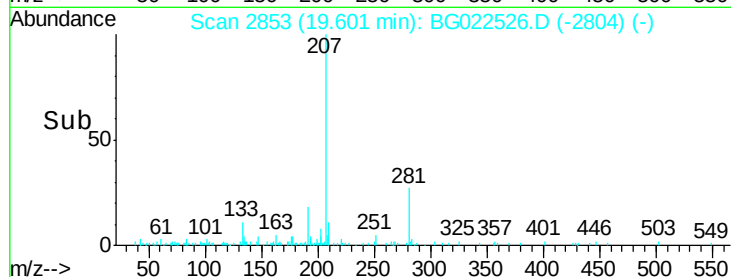
203 51.7 1.7 41.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

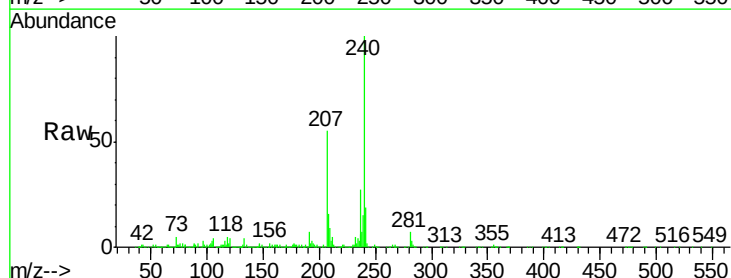
Tgt Ion:240 Resp: 738771

Ion Ratio Lower Upper

240 100

120 4.4 4.1 6.1

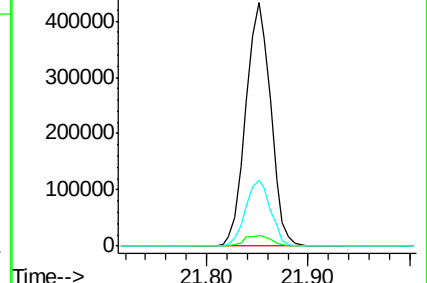
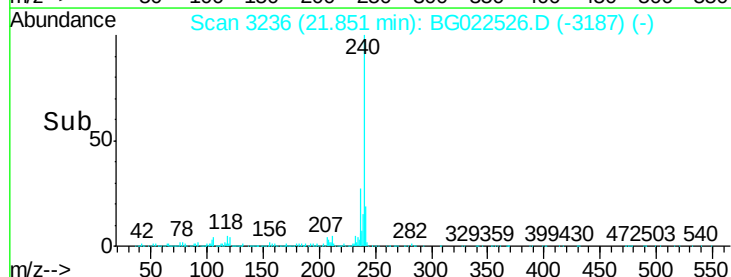
236 27.1 21.1 31.7

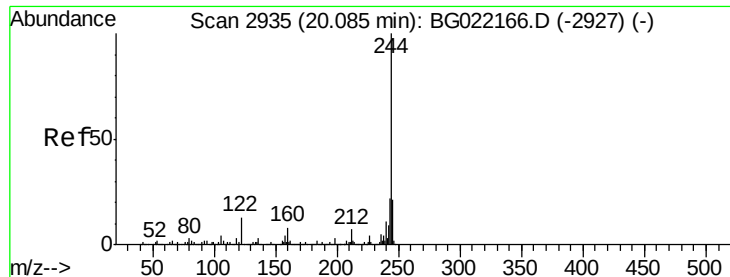


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 122.08 ng

RT: 20.16 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

Instrument :

BNA_G

ClientSampled :

SOIL

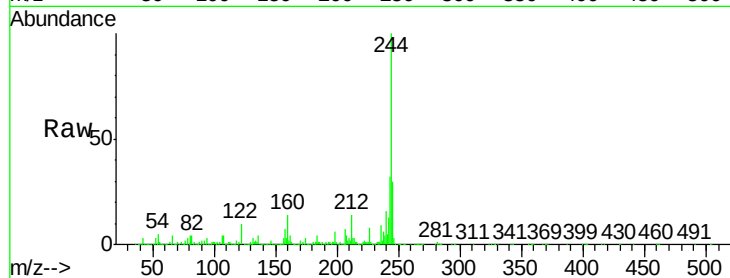
Tgt Ion:244 Resp: 2761824

Ion Ratio Lower Upper

244 100

212 14.5 10.8 16.2

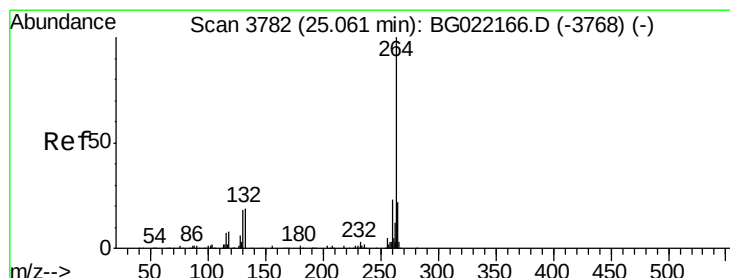
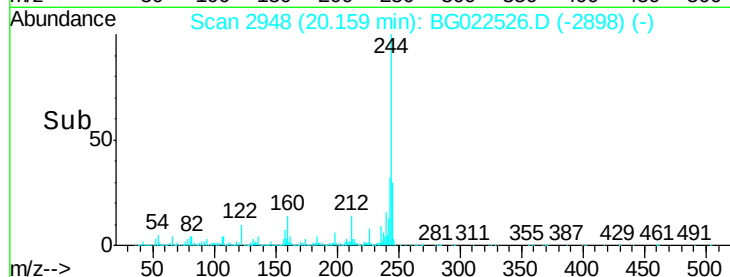
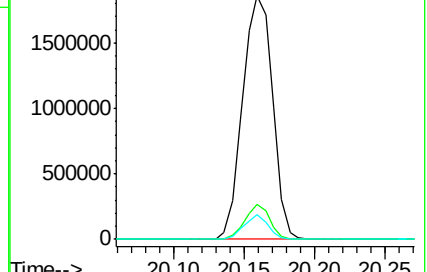
122 10.1 8.0 12.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3809

Delta R.T. -0.01 min

Lab File: BG022526.D

Acq: 24 Jun 2016 5:34

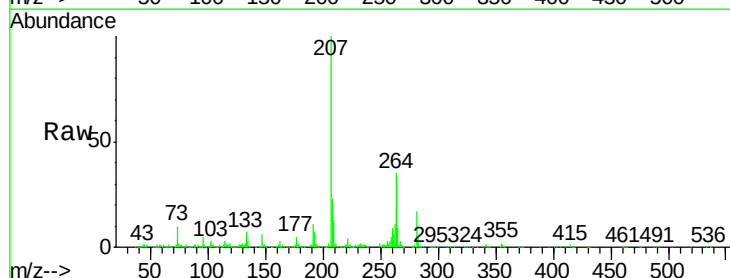
Tgt Ion:264 Resp: 194226

Ion Ratio Lower Upper

264 100

260 25.0 18.4 27.6

265 24.9 18.9 28.3



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

