

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
 Data File : BG020973.D
 Acq On : 19 Feb 2016 15:39
 Operator : SJ/UM
 Sample : H1468-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Feb 19 16:19:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

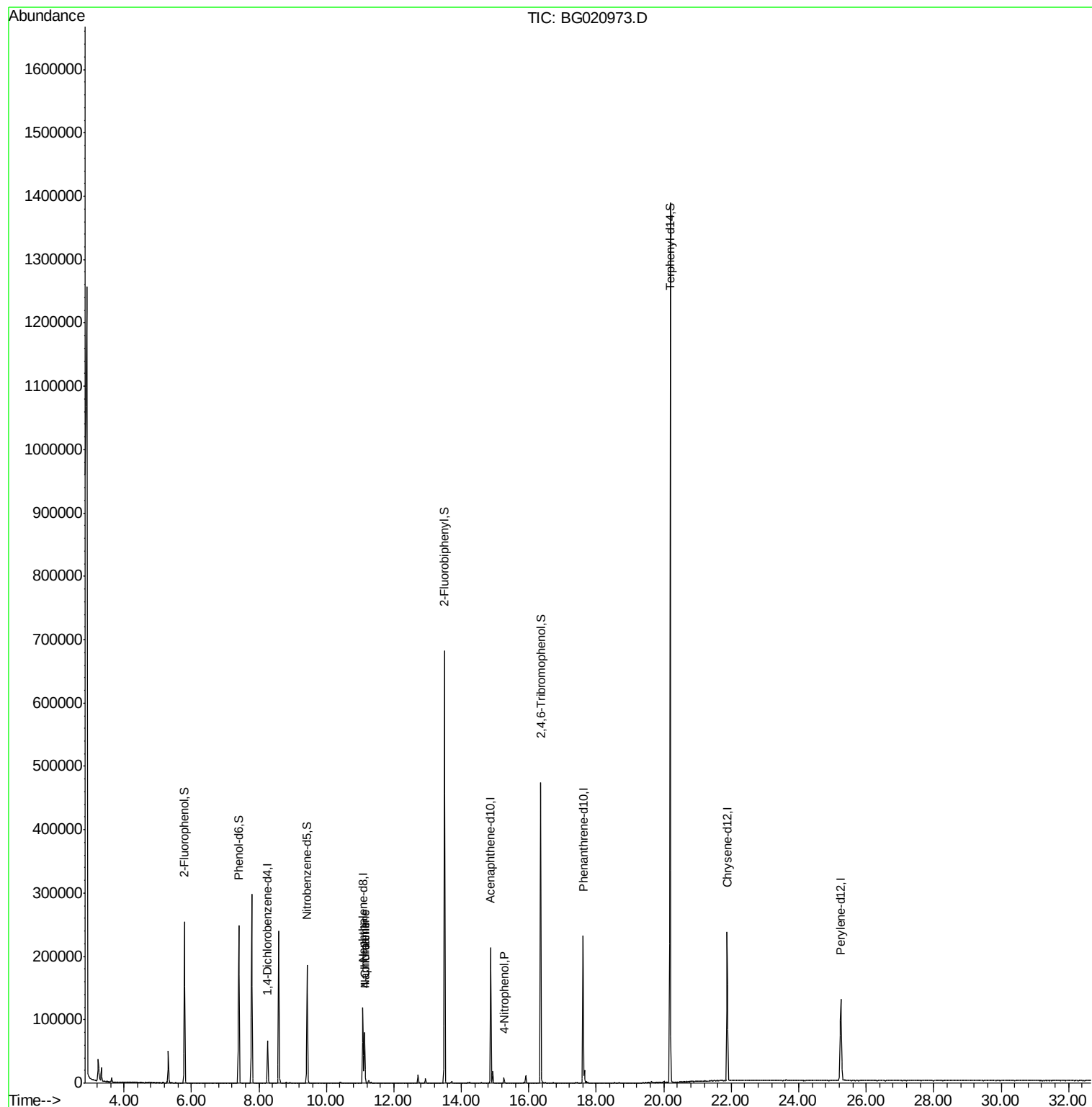
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	21956	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	113824	20.00	ng	-0.02
38) Acenaphthene-d10	14.87	164	72390	20.00	ng	-0.02
63) Phenanthrene-d10	17.61	188	145625	20.00	ng	0.00
75) Chrysene-d12	21.88	240	136261	20.00	ng	-0.03
86) Perylene-d12	25.25	264	128602	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	139014	106.62	ng	0.00
7) Phenol-d6	7.40	99	185941	97.58	ng	0.00
23) Nitrobenzene-d5	9.43	82	126749	73.22	ng	0.00
41) 2,4,6-Tribromophenol	16.35	330	93917	131.93	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	366785	71.17	ng	-0.02
78) Terphenyl-d14	20.19	244	565358	96.79	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	11.14	128	76065	12.92	ng	98
33) 4-Chloroaniline	11.14	127	10104	3.99	ng	# 31
55) 4-Nitrophenol	15.26	139	2281	2.14	ng	# 20

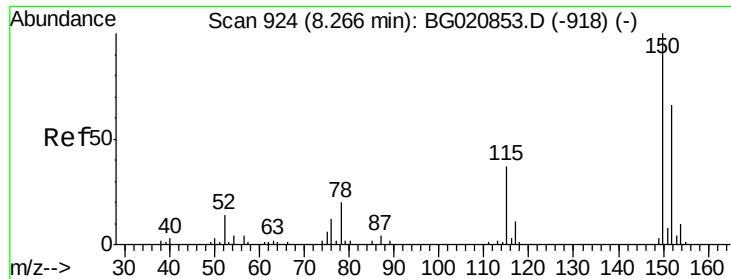
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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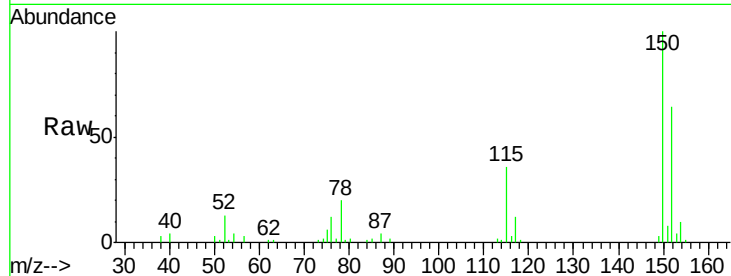


#1

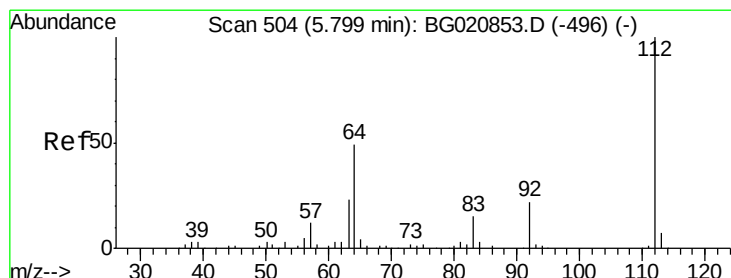
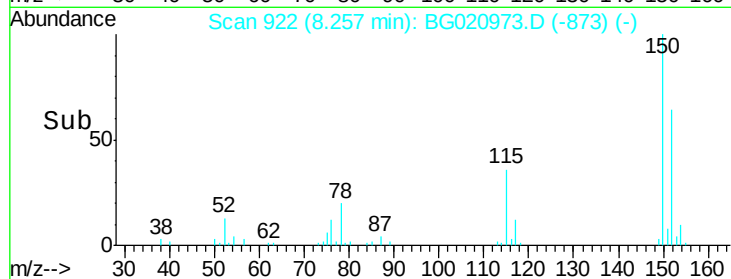
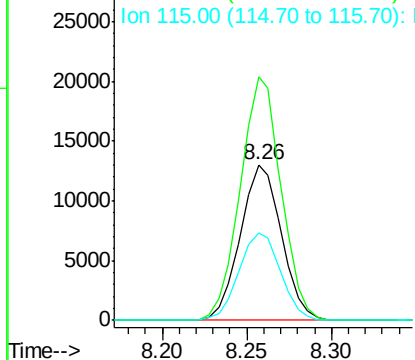
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion:152 Resp: 21956
Ion Ratio Lower Upper
152 100
150 156.7 122.0 183.0
115 56.3 45.2 67.8



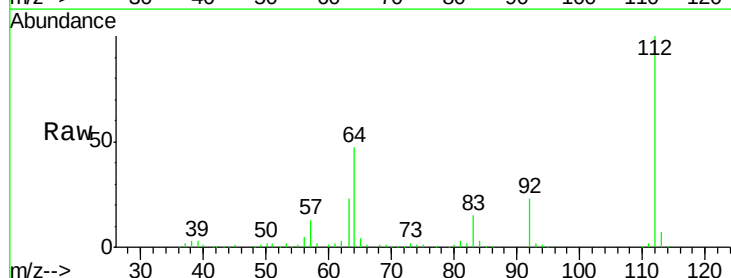
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



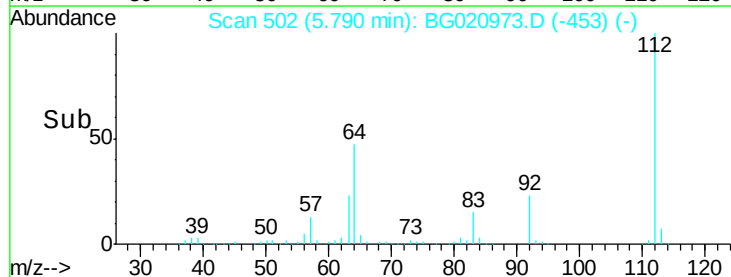
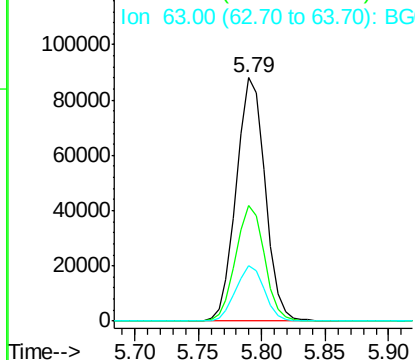
#5

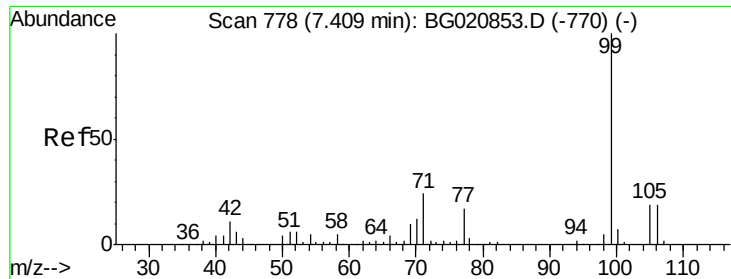
2-Fluorophenol
Concen: 106.62 ng
RT: 5.79 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Tgt Ion:112 Resp: 139014
Ion Ratio Lower Upper
112 100
64 47.3 39.3 58.9
63 22.7 18.2 27.4



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: 97.58 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG020973.D

Acq: 19 Feb 2016 15:39

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

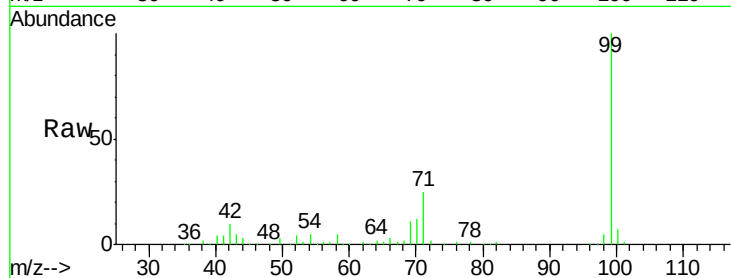
Tgt Ion: 99 Resp: 185941

Ion Ratio Lower Upper

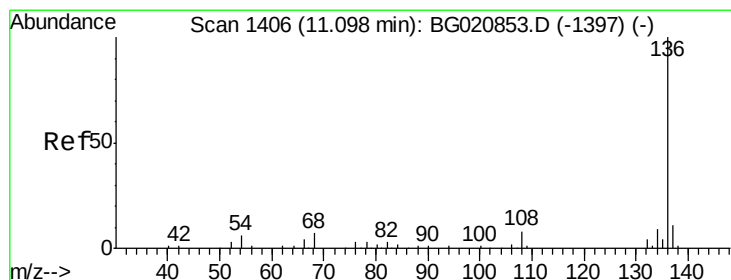
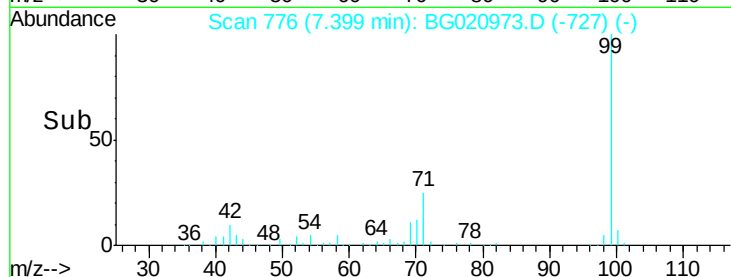
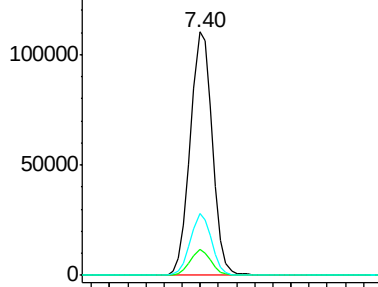
99 100

42 10.4 8.4 12.6

71 25.3 19.4 29.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.08 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG020973.D

Acq: 19 Feb 2016 15:39

Tgt Ion: 136 Resp: 113824

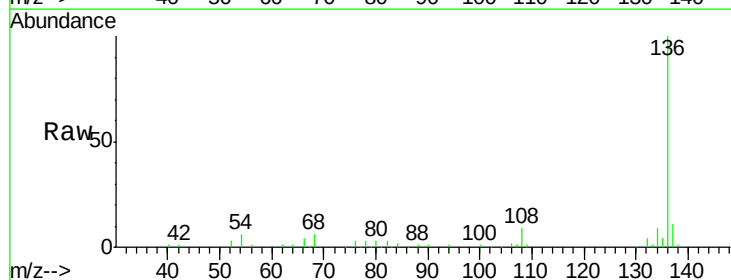
Ion Ratio Lower Upper

136 100

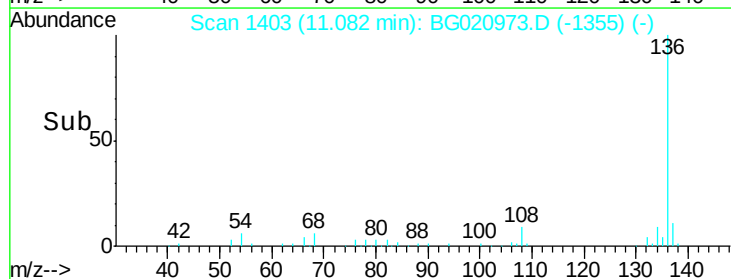
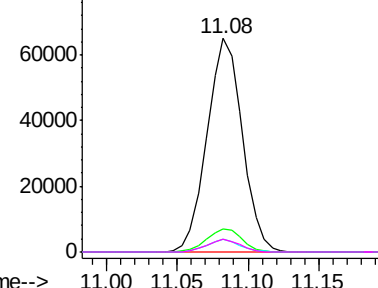
137 10.8 8.8 13.2

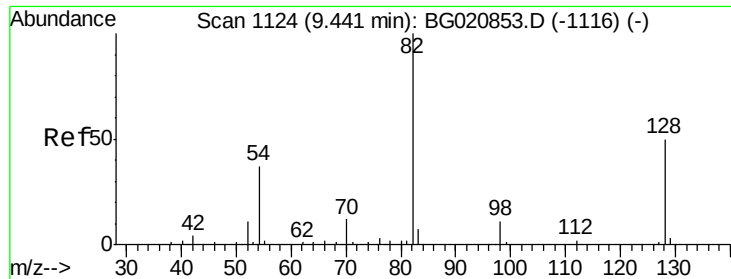
54 5.8 5.0 7.4

68 6.2 5.2 7.8



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

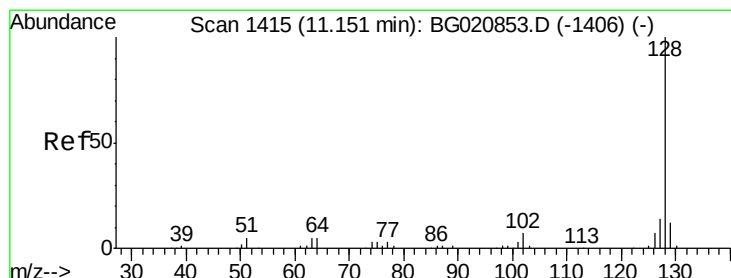
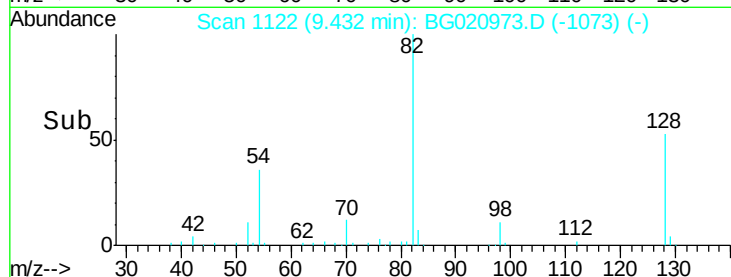
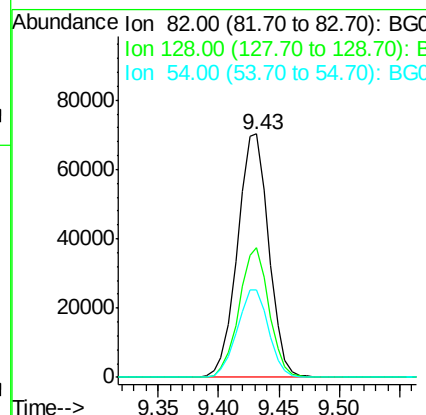
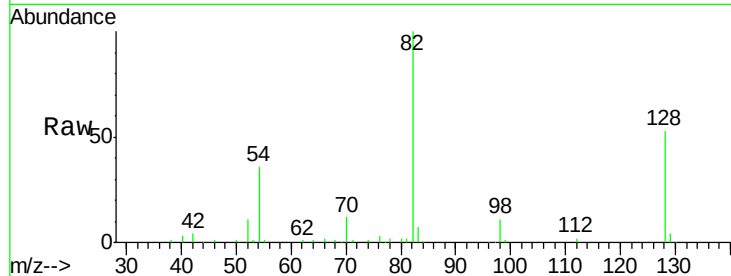




#23
 Nitrobenzene-d5
 Concen: 73.22 ng
 RT: 9.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BG020973.D
 Acq: 19 Feb 2016 15:39

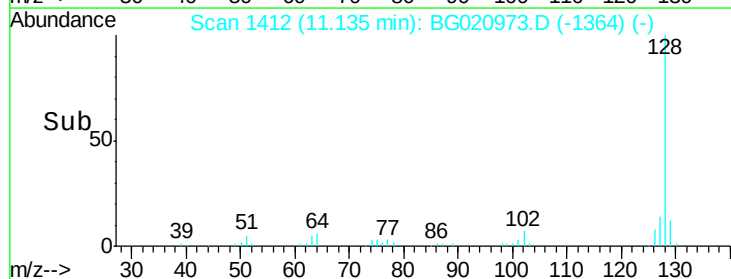
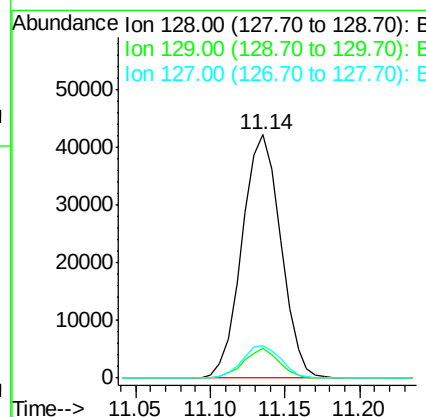
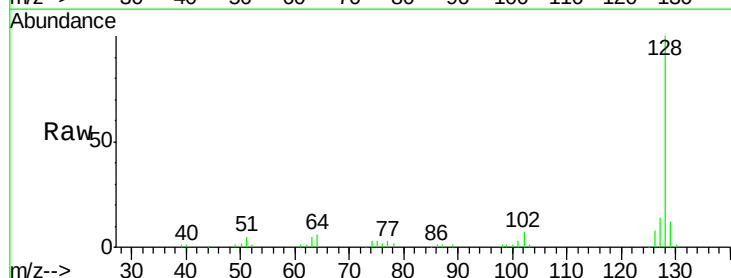
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

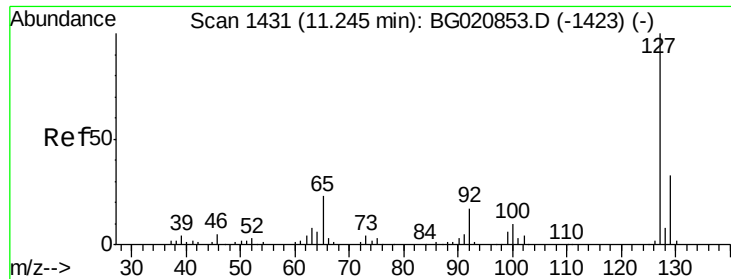
Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.2	40.1	60.1
54	35.9	29.5	44.3



#31
 Naphthalene
 Concen: 12.92 ng
 RT: 11.14 min Scan# 1412
 Delta R.T. -0.02 min
 Lab File: BG020973.D
 Acq: 19 Feb 2016 15:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.3	13.9
127	13.5	11.4	17.2

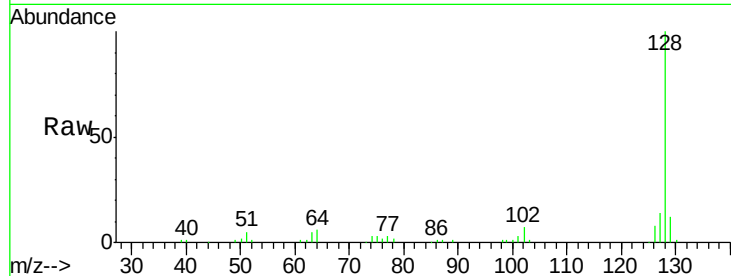




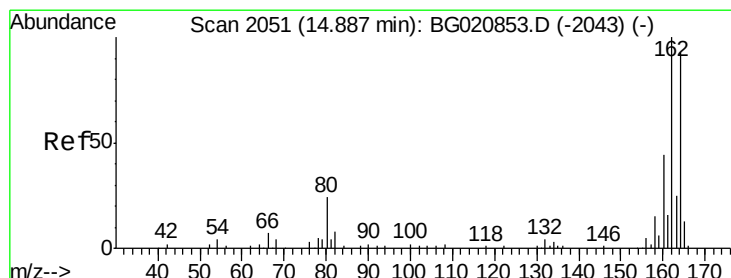
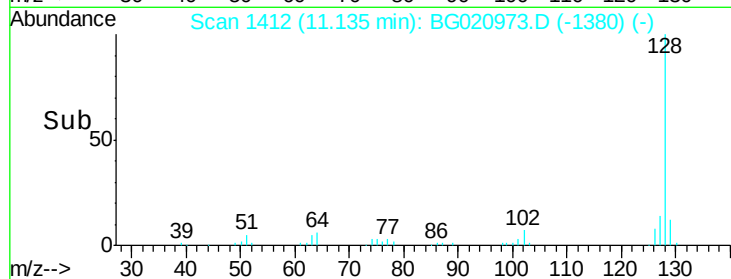
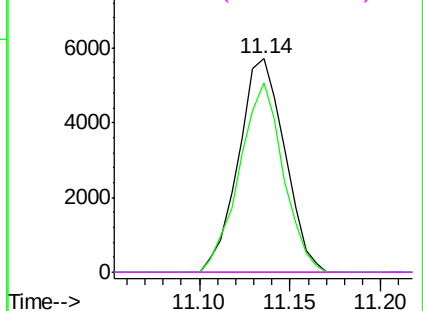
#33
4-Chloroaniline
Concen: 3.99 ng
RT: 11.14 min Scan# 1412
Delta R.T. -0.11 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion:127 Resp: 10104
Ion Ratio Lower Upper
127 100
129 89.0 26.2 39.4#
65 0.0 18.6 27.8#
92 0.0 13.3 19.9#

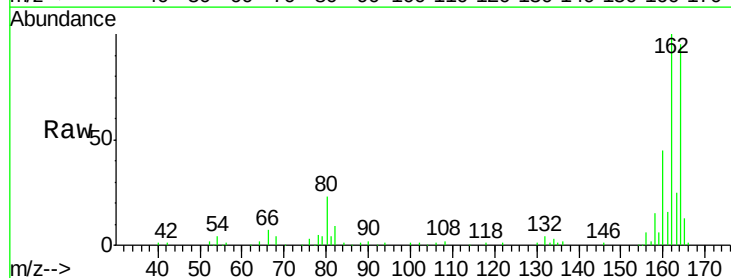


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

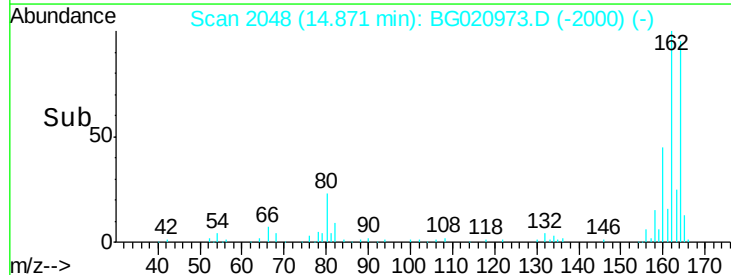
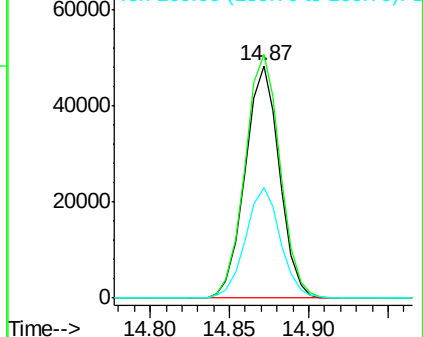


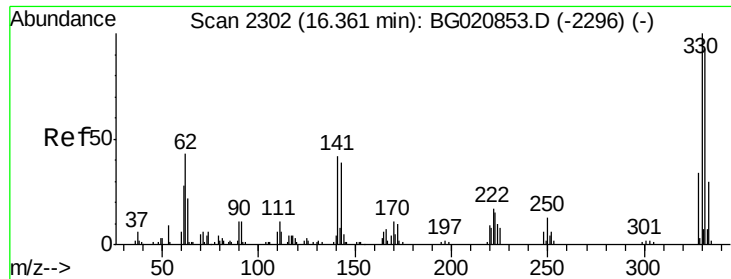
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Tgt Ion:164 Resp: 72390
Ion Ratio Lower Upper
164 100
162 104.9 85.7 128.5
160 47.5 37.4 56.0



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

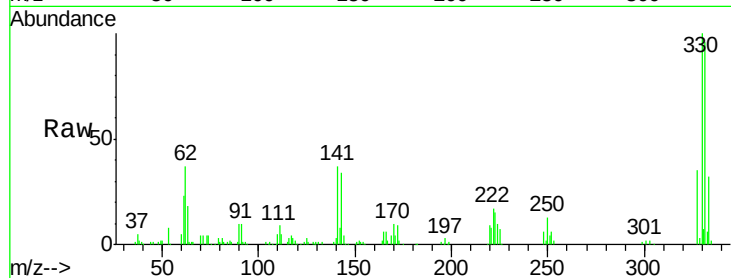




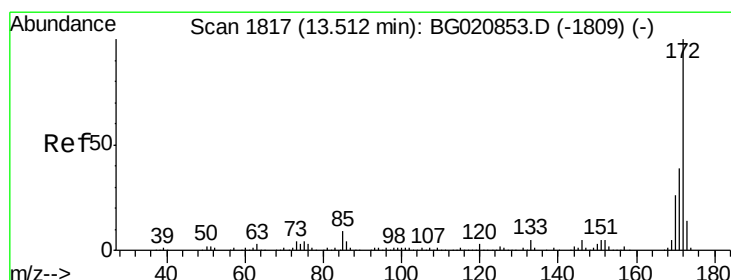
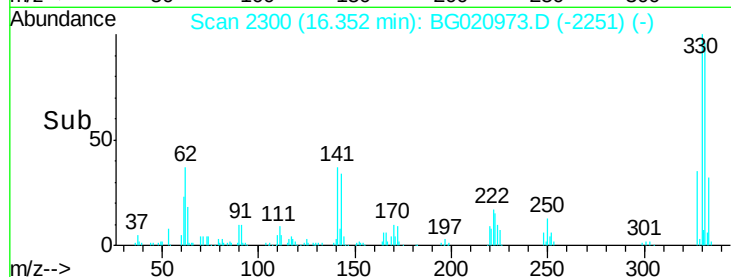
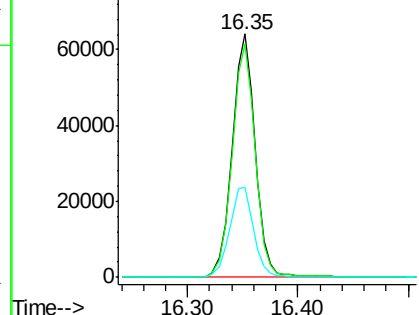
#41
 2,4,6-Tribromophenol
 Concen: 131.93 ng
 RT: 16.35 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BG020973.D
 Acq: 19 Feb 2016 15:39

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion:330 Resp: 93917
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.1 114.1
 141 38.5 32.0 48.0

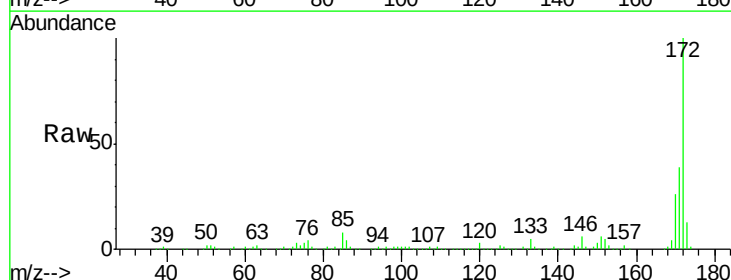


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

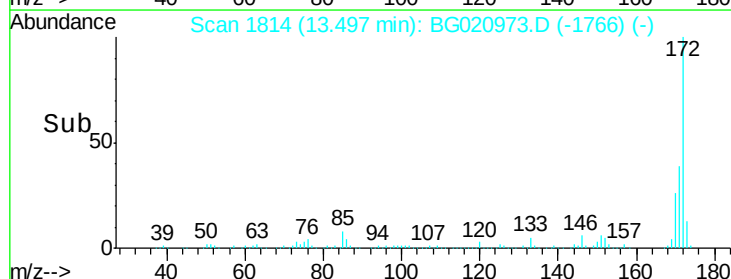
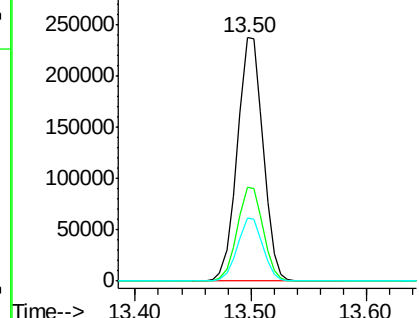


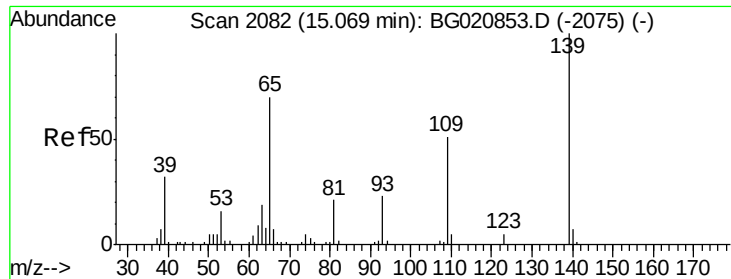
#44
 2-Fluorobiphenyl
 Concen: 71.17 ng
 RT: 13.50 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG020973.D
 Acq: 19 Feb 2016 15:39

Tgt Ion:172 Resp: 366785
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.2 46.8
 170 25.8 20.6 30.8



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

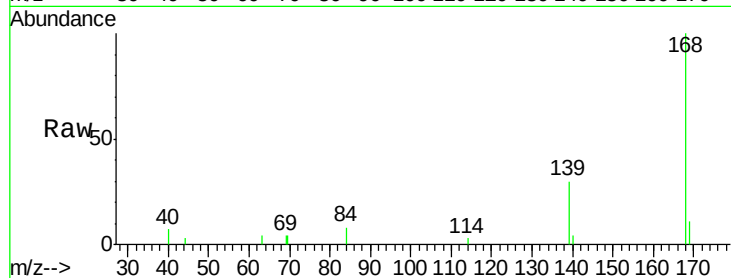




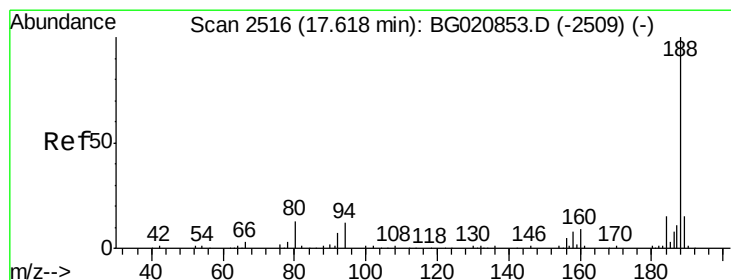
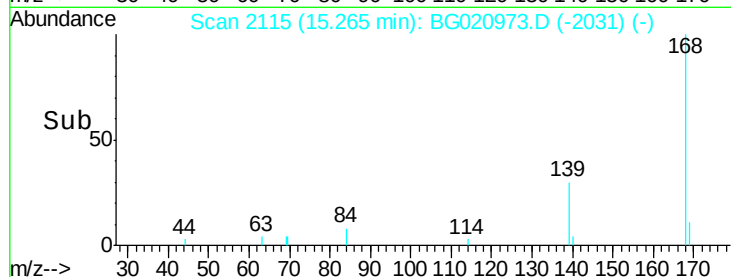
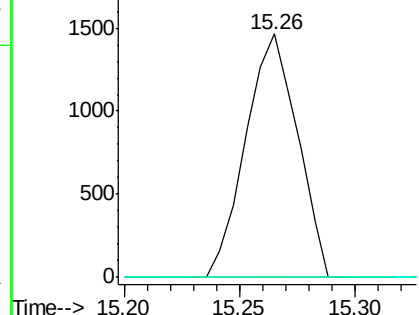
#55
4-Nitrophenol
Concen: 2.14 ng
RT: 15.26 min Scan# 2115
Delta R.T. 0.20 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	31.0	71.0#
65	0.0	49.6	89.6#

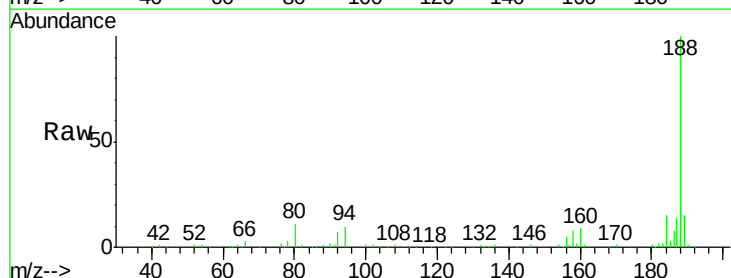


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

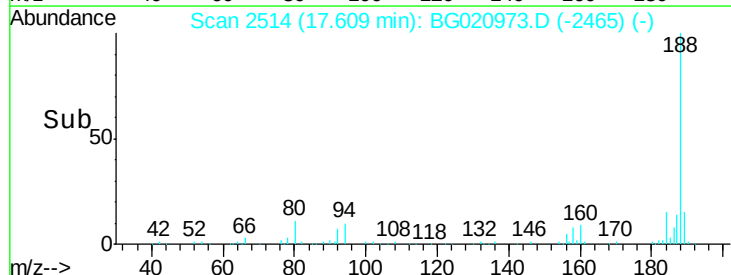
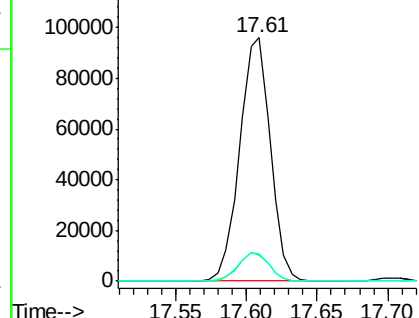


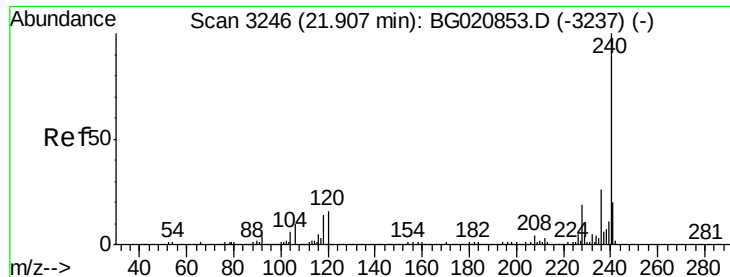
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.0
80	11.1	10.2	15.4



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: 20.00 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.03 min

Lab File: BG020973.D

Acq: 19 Feb 2016 15:39

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

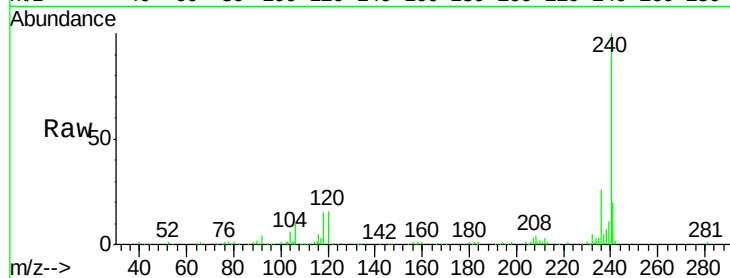
Tgt Ion:240 Resp: 136261

Ion Ratio Lower Upper

240 100

120 15.8 13.0 19.4

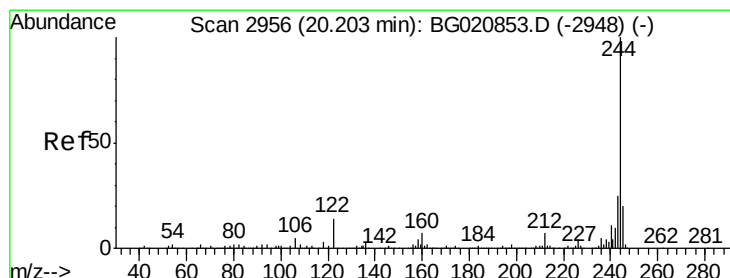
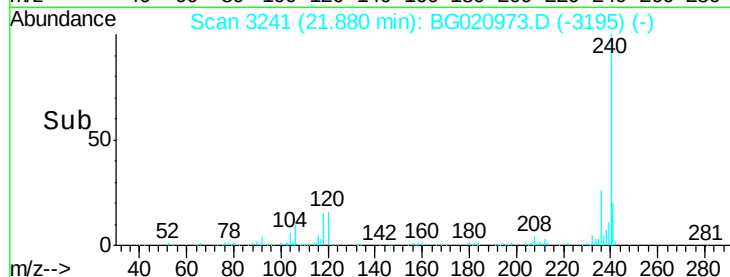
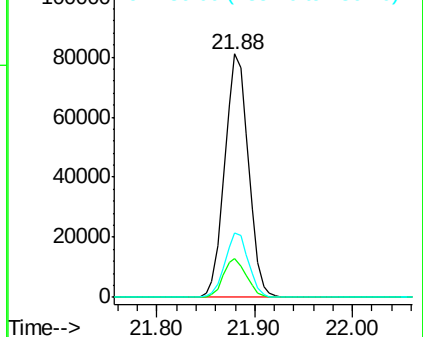
236 26.3 21.0 31.4



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: 96.79 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020973.D

Acq: 19 Feb 2016 15:39

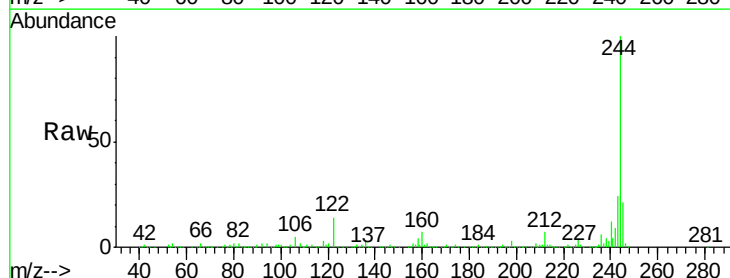
Tgt Ion:244 Resp: 565358

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

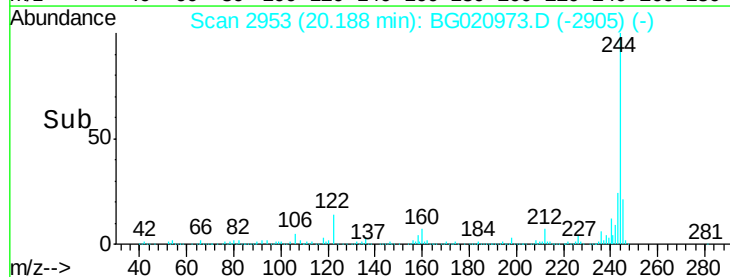
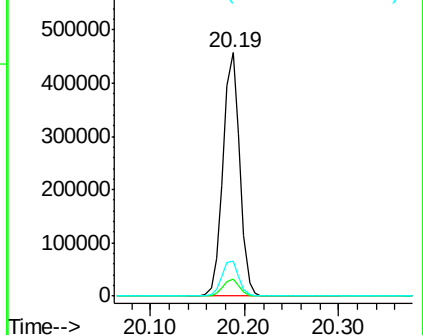
122 14.2 11.4 17.2

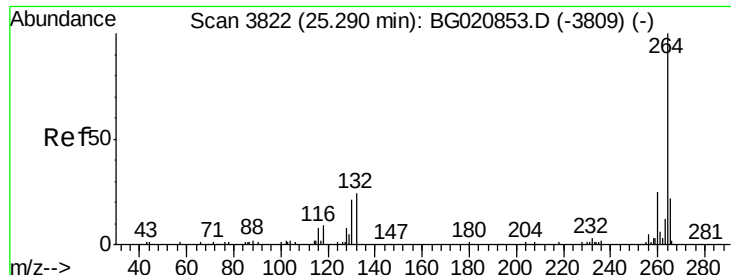


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

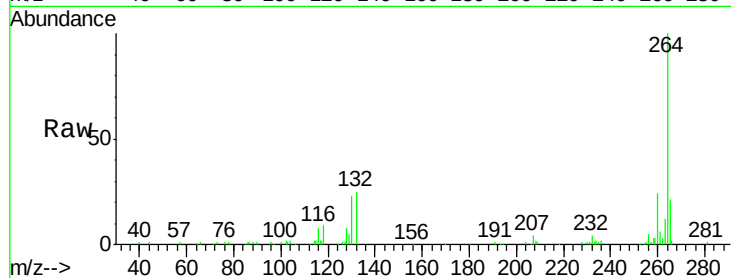




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.25 min Scan# 3814
Delta R.T. -0.04 min
Lab File: BG020973.D
Acq: 19 Feb 2016 15:39

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion: 264 Resp: 128602
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 21.3 18.0 27.0



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

