

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033537.D
 Acq On : 4 Apr 2018 00:06
 Operator : SJ/JU
 Sample : J2131-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT24256-SOIL

Quant Time: Apr 04 04:19:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

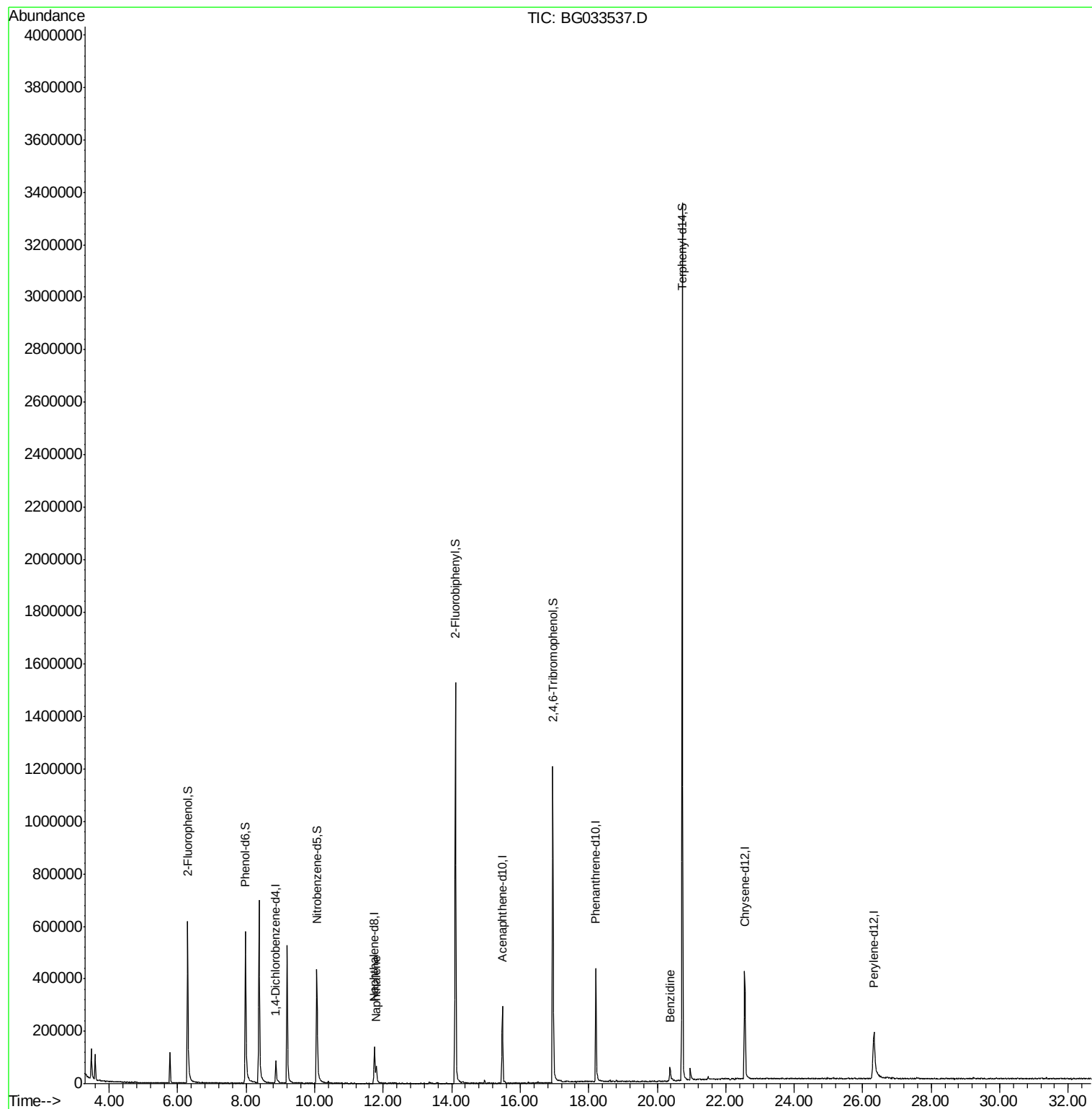
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	32677	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	139278	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	113992	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	307813	20.00	ng	0.00
75) Chrysene-d12	22.56	240	327259	20.00	ng	0.00
86) Perylene-d12	26.33	264	310654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	307690	176.56	ng	0.00
7) Phenol-d6	7.98	99	421111	140.64	ng	0.00
23) Nitrobenzene-d5	10.06	82	350844	115.73	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	254126	149.06	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	835256	105.78	ng	0.00
78) Terphenyl-d14	20.73	244	1736694	113.49	ng	0.00
Target Compounds						
31) Naphthalene	11.80	128	64030	8.872	ng	97
76) Benzidine	20.38	184	50729	5.716	ng	98

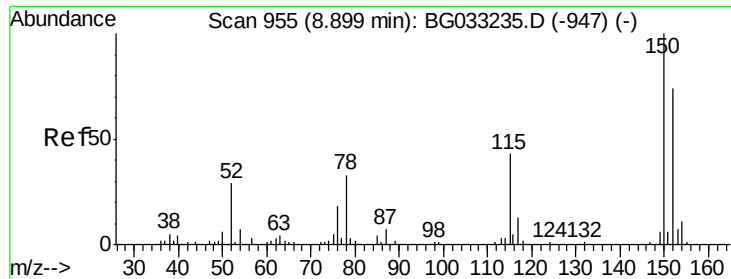
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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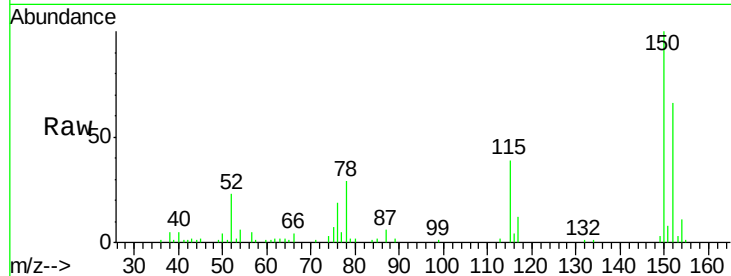


#1

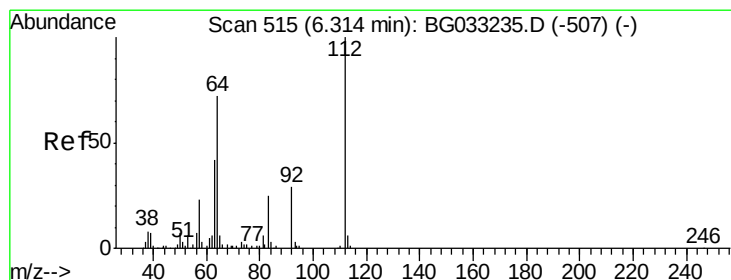
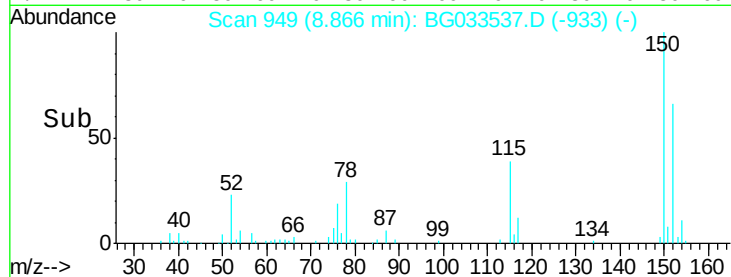
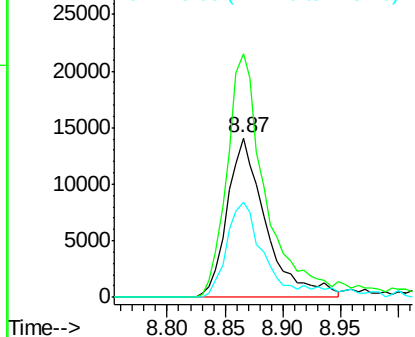
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Instrument :
BNA_G
ClientSampleId :
CHRT24256-SOIL

Tot Ion:152 Resp: 32677
Ion Ratio Lower Upper
152 100
150 152.6 126.6 189.8
115 59.9 53.0 79.4



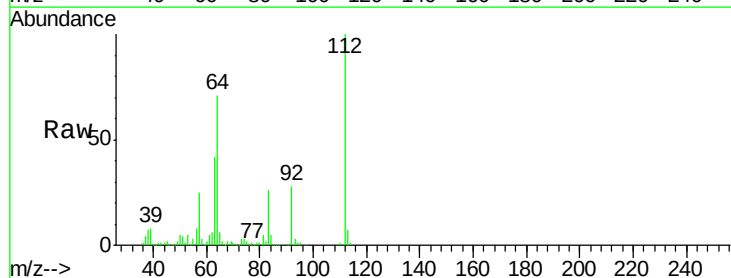
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



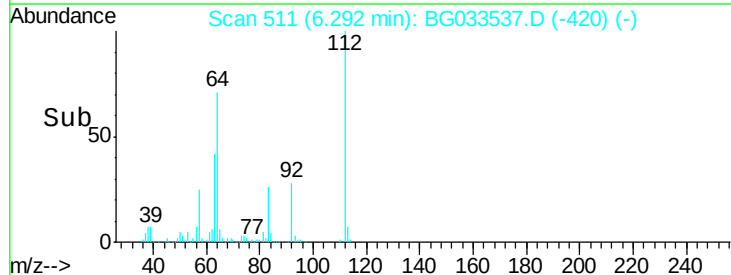
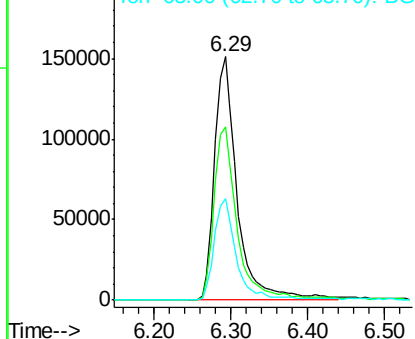
#5

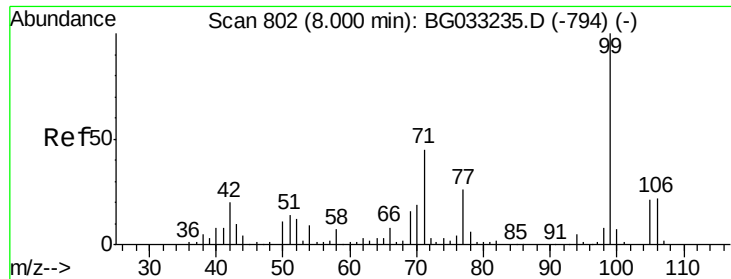
2-Fluorophenol
Concen: 176.563 ng
RT: 6.29 min Scan# 511
Delta R.T. 0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion:112 Resp: 307690
Ion Ratio Lower Upper
112 100
64 71.0 56.3 84.5
63 41.7 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: 140.640 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampleId :

CHRT24256-SOIL

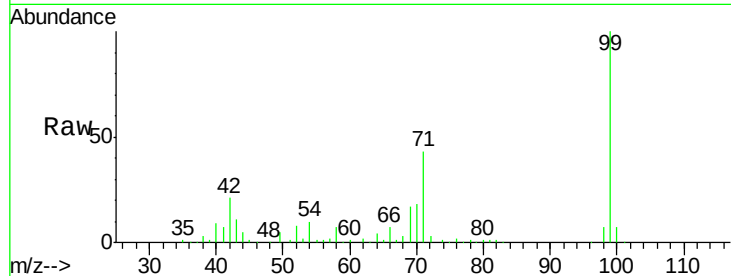
Tot Ion: 99 Resp: 421111

Ion Ratio Lower Upper

99 100

42 20.7 14.1 21.1

71 43.0 26.1 39.1#

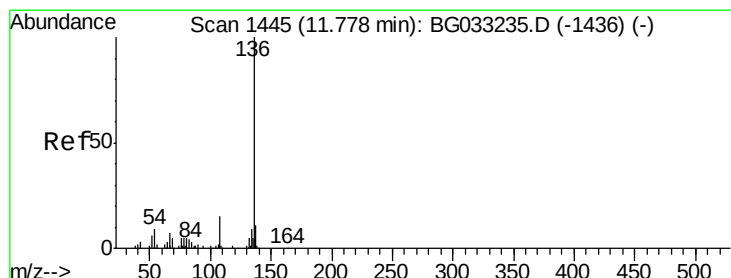
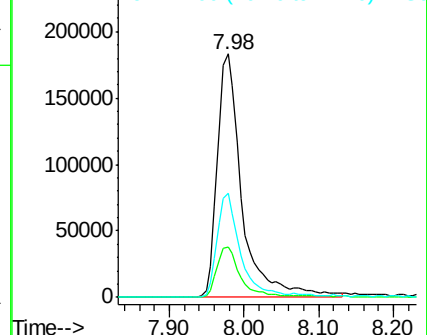
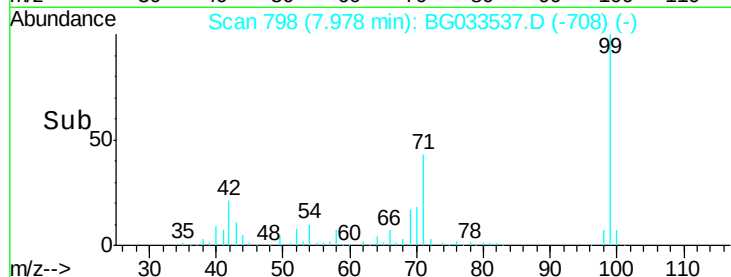


Abundance

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: 11.74 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Tgt Ion: 136 Resp: 139278

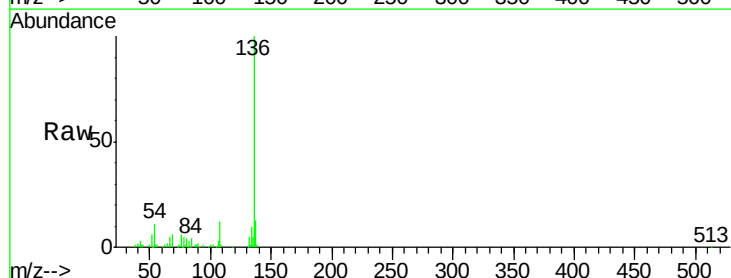
Ion Ratio Lower Upper

136 100

137 13.2 9.2 13.8

54 11.1 10.3 15.5

68 6.4 4.5 6.7



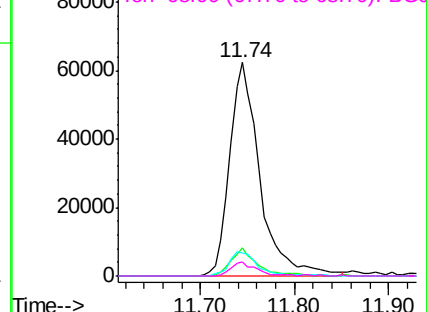
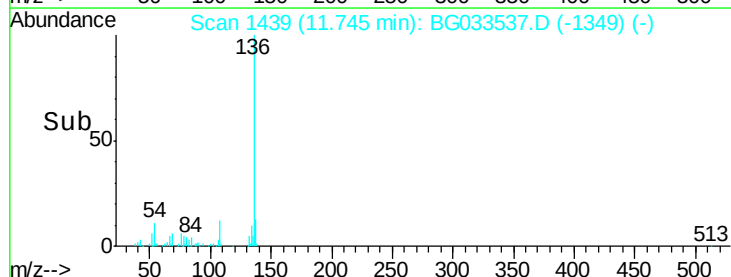
Abundance

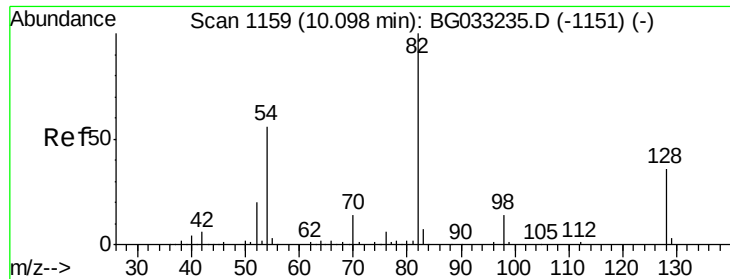
Ion 136.00 (135.70 to 136.70): BGC

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

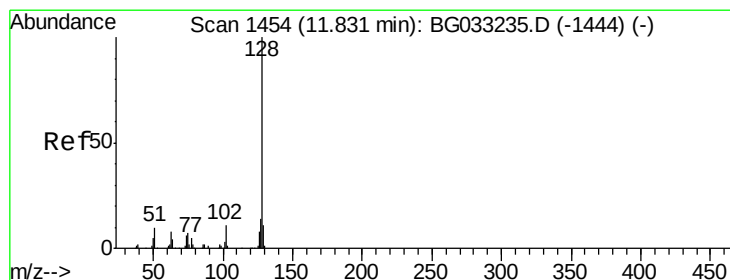
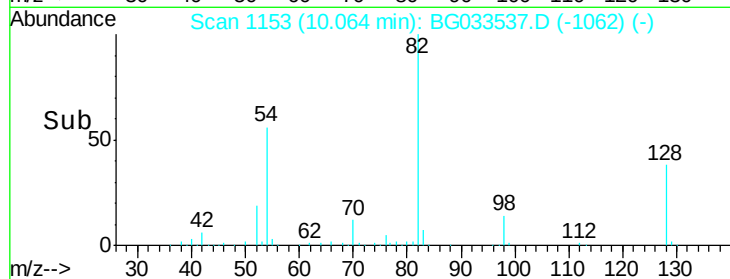
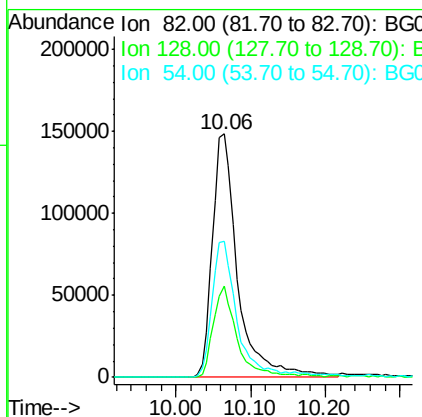
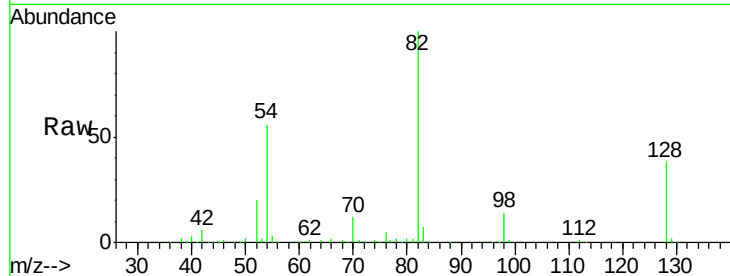




#23
 Nitrobenzene-d5
 Concen: 115.734 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BG033537.D
 Acq: 4 Apr 2018 00:06

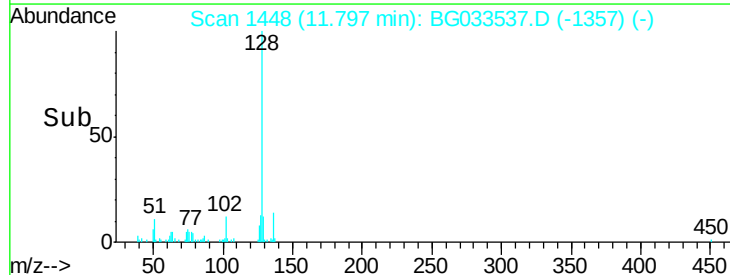
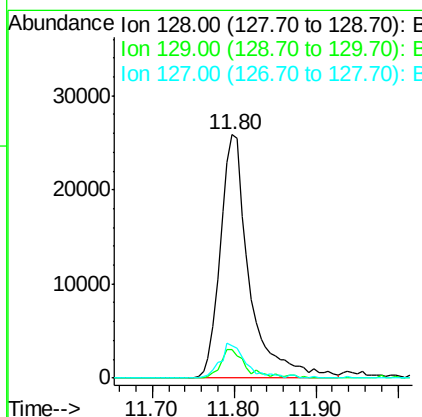
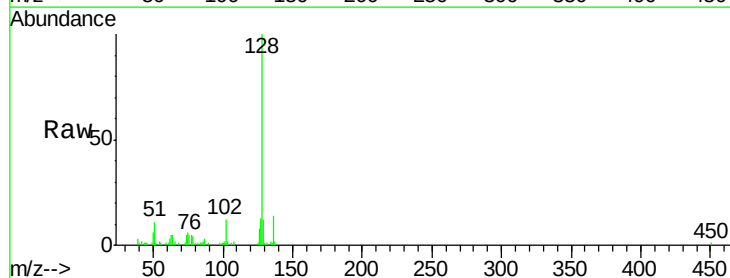
Instrument :
 BNA_G
 ClientSampleId :
 CHRT24256-SOIL

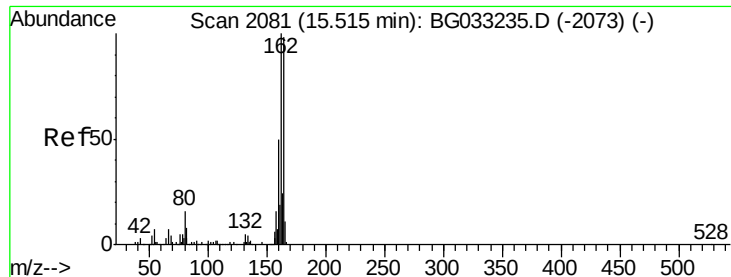
Tot Ion: 82 Resp: 350844
 Ion Ratio Lower Upper
 82 100
 128 37.7 29.7 44.5
 54 55.7 43.1 64.7



#31
 Naphthalene
 Concen: 8.872 ng
 RT: 11.80 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: BG033537.D
 Acq: 4 Apr 2018 00:06

Tgt Ion:128 Resp: 64030
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.6 12.8
 127 13.4 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampleId :

CHRT24256-SOIL

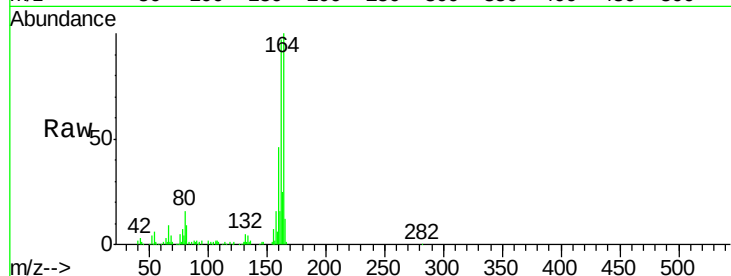
Tot Ion:164 Resp: 113992

Ion Ratio Lower Upper

164 100

162 97.5 78.8 118.2

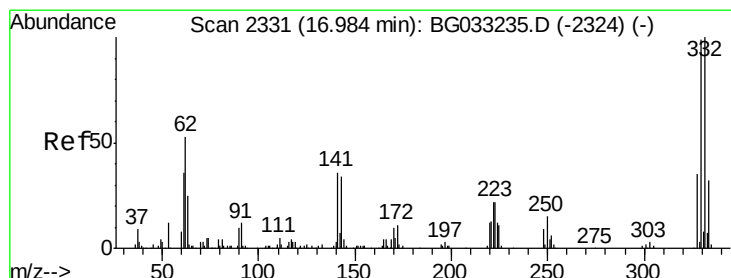
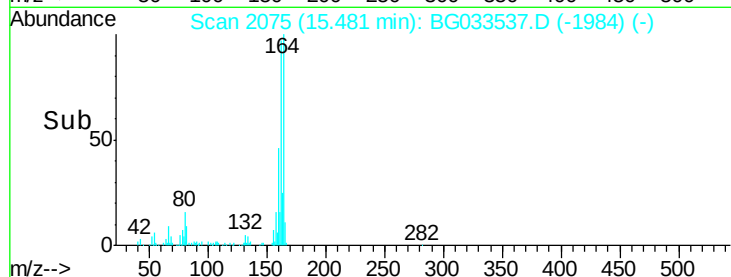
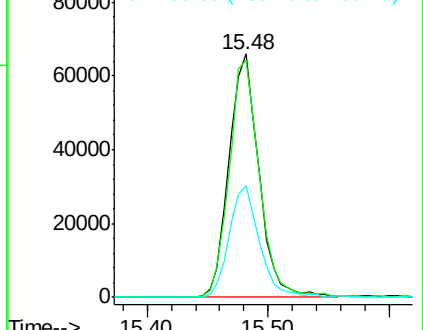
160 45.8 35.4 53.0



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: 149.058 ng

RT: 16.96 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

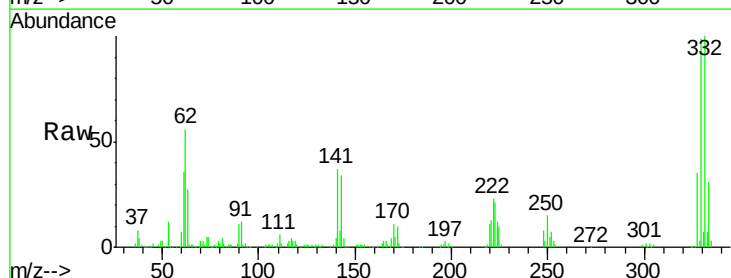
Tgt Ion:330 Resp: 254126

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

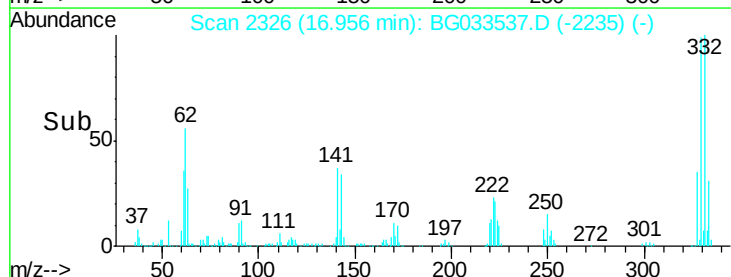
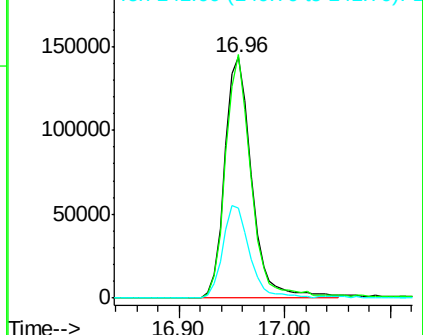
141 38.2 25.2 37.8#

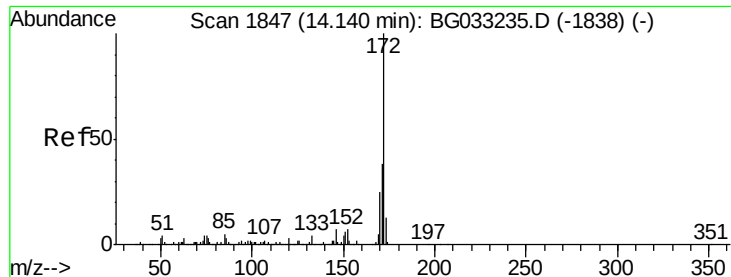


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

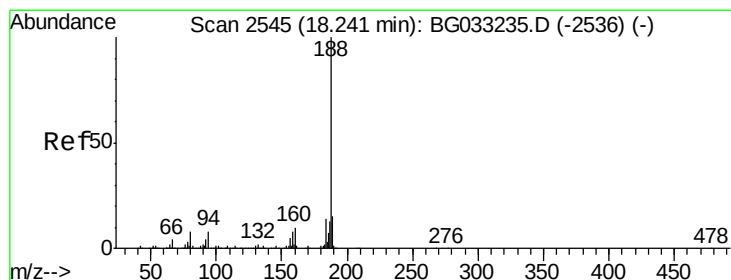
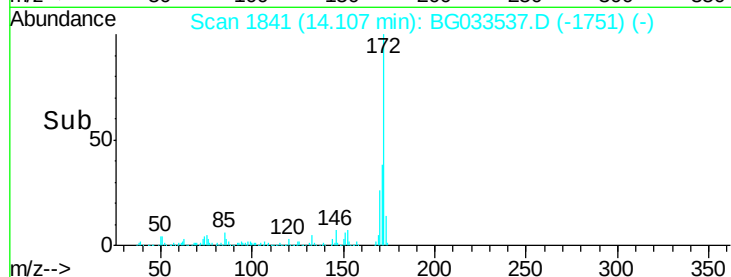
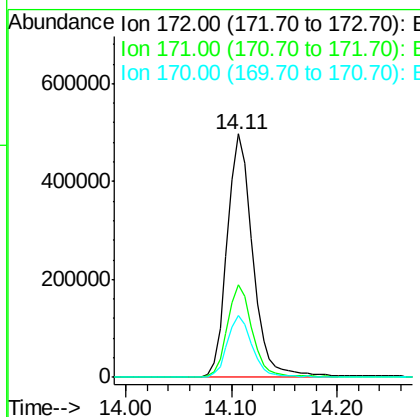
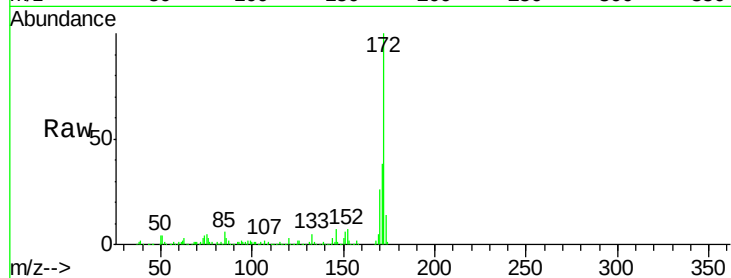




#44
2-Fluorobiphenyl
Concen: 105.780 ng
RT: 14.11 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

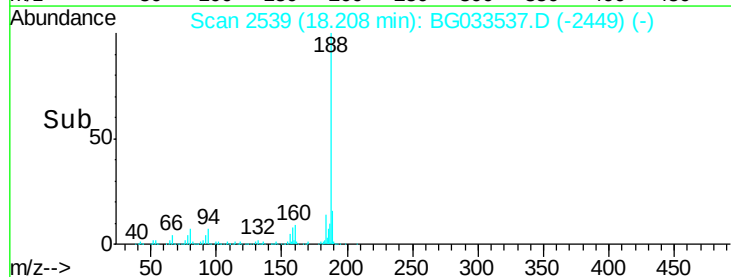
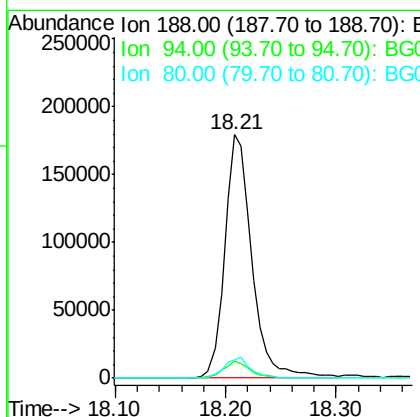
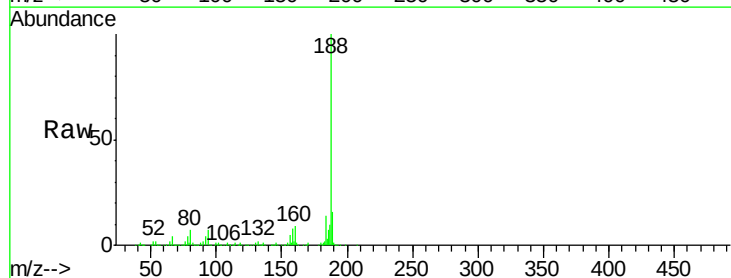
Instrument :
BNA_G
ClientSampleId :
CHRT24256-SOIL

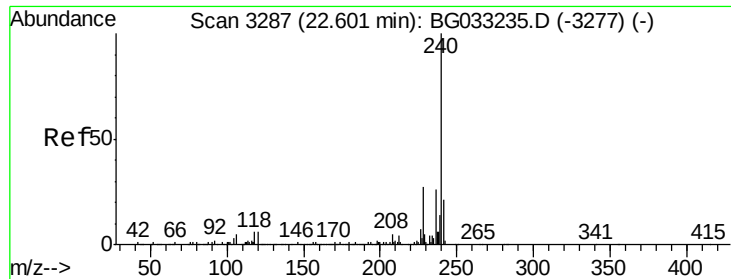
Tot Ion:172 Resp: 835256
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 25.7 19.5 29.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BG033537.D
Acq: 4 Apr 2018 00:06

Tgt Ion:188 Resp: 307813
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 7.4 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

BNA_G

ClientSampleId :

CHRT24256-SOIL

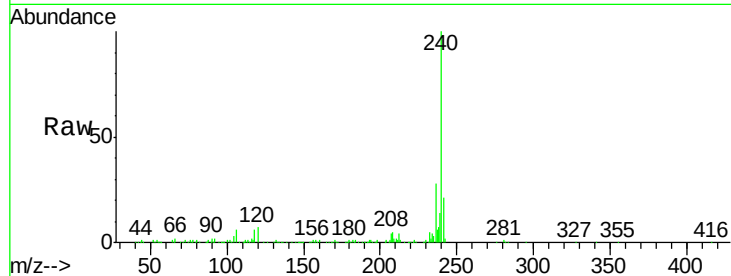
Tot Ion:240 Resp: 327259

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

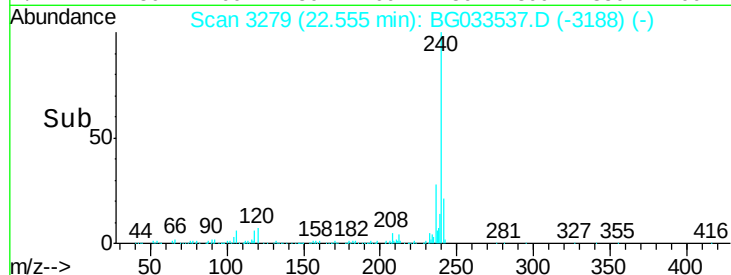
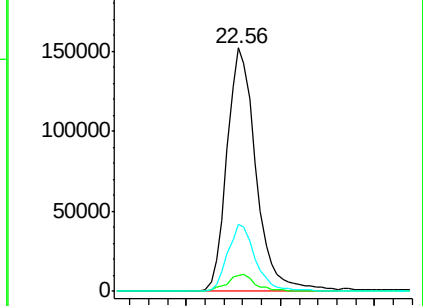
236 27.5 20.9 31.3



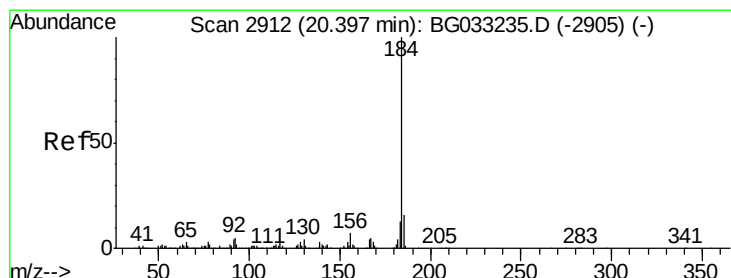
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 5.716 ng

RT: 20.38 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

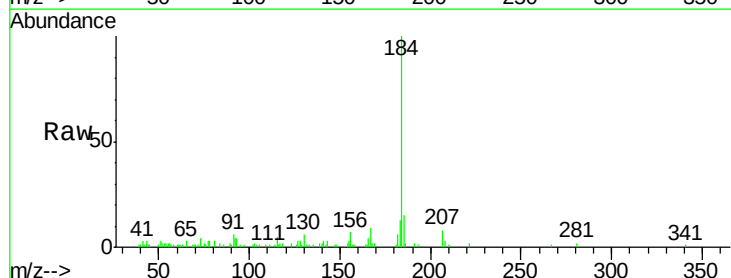
Tgt Ion:184 Resp: 50729

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

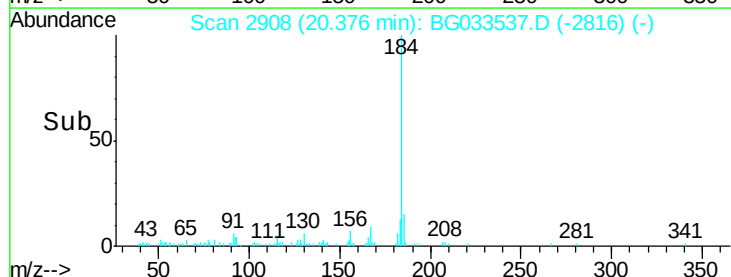
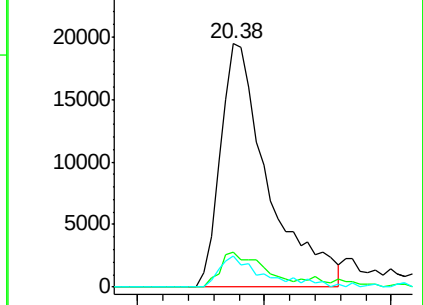
183 12.6 10.6 16.0



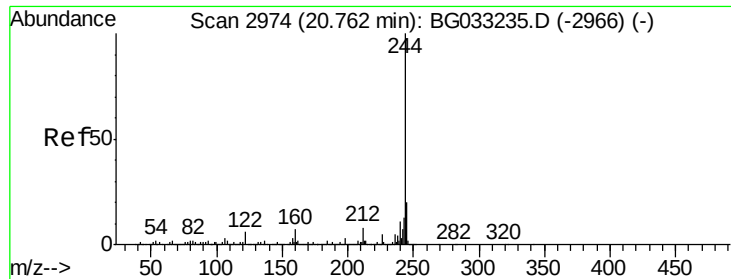
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Terphenyl-d14

Concen: 113.491 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

Instrument :

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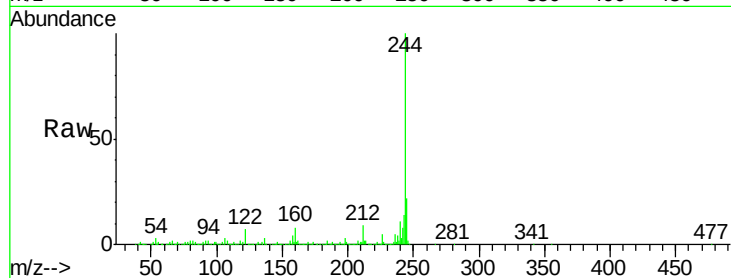
Tot Ion:244 Resp: 1736694

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

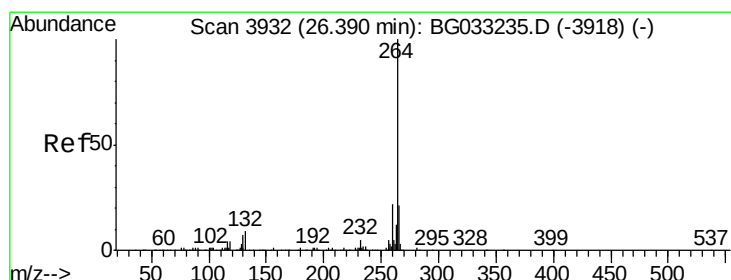
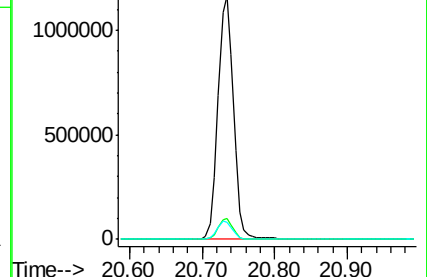
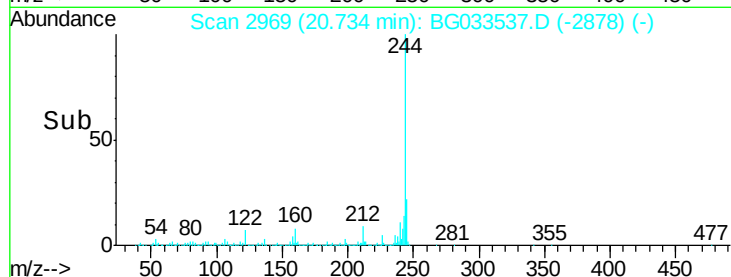
122 7.2 7.0 10.4



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: 20.000 ng

RT: 26.33 min Scan# 3921

Delta R.T. 0.01 min

Lab File: BG033537.D

Acq: 4 Apr 2018 00:06

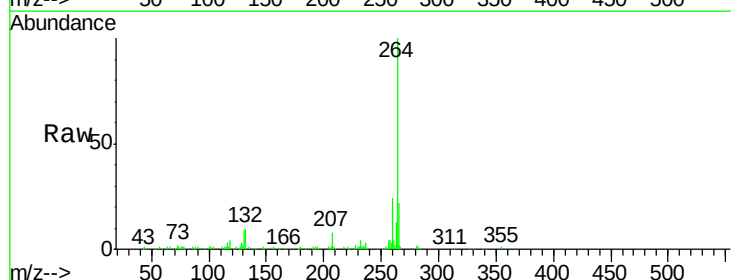
Tgt Ion:264 Resp: 310654

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.0 17.7 26.5



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

