

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037566.D
 Acq On : 26 Oct 2018 5:26
 Operator : JU/SJ
 Sample : J5655-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PH-SOIL

Quant Time: Oct 26 08:09:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

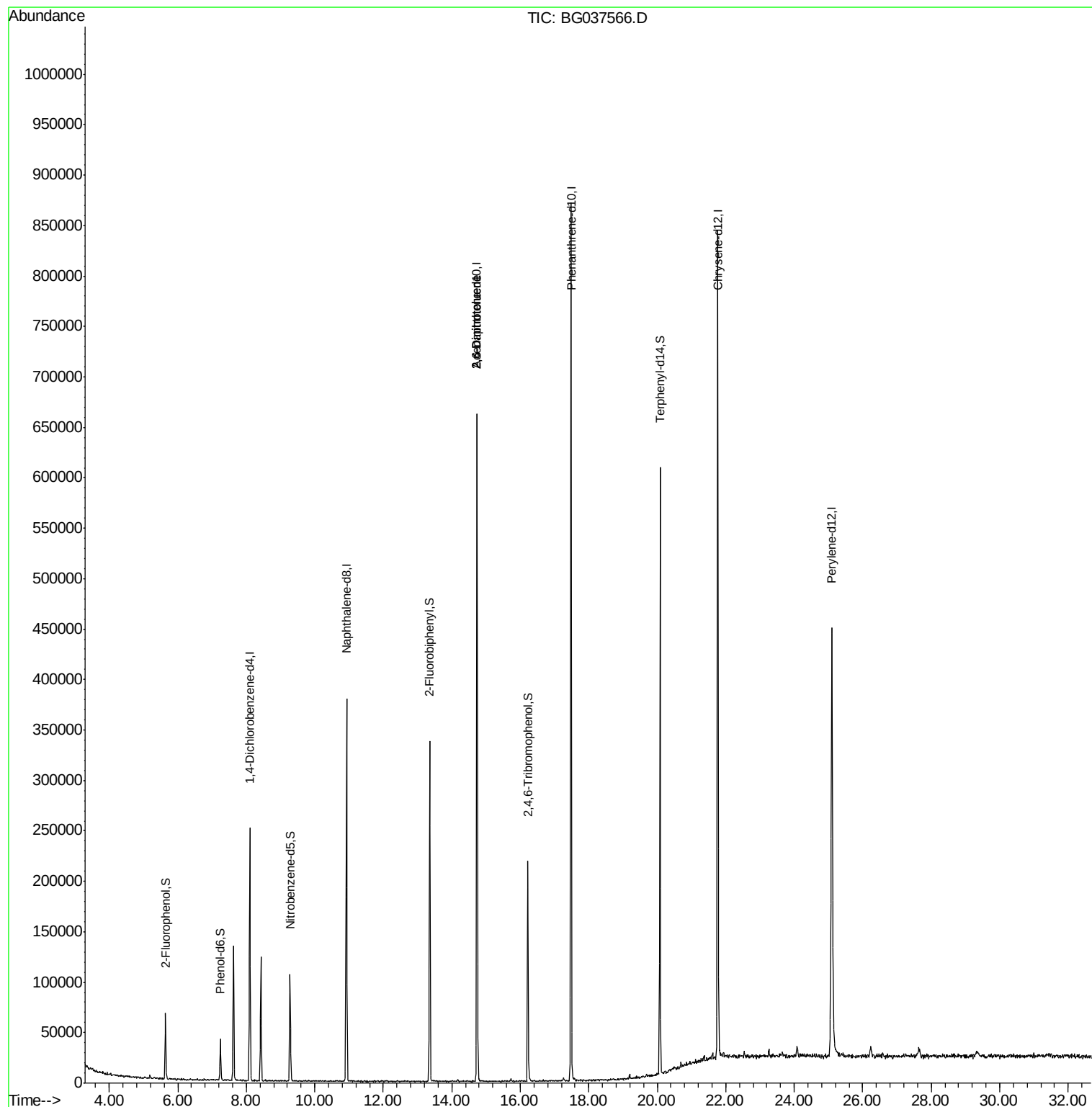
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	74532	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	345686	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	241067	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	552659	20.00	ng	0.00
76) Chrysene-d12	21.77	240	508005	20.00	ng	0.00
87) Perylene-d12	25.10	264	507509	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	31373	7.04	ng	0.00
7) Phenol-d6	7.24	99	27538	4.09	ng	0.00
23) Nitrobenzene-d5	9.28	82	69133	11.20	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	41013	15.60	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	189948	11.88	ng	0.00
79) Terphenyl-d14	20.08	244	296217	12.46	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	14.73	165	31295	7.586	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	31295	5.779	ng	# 25

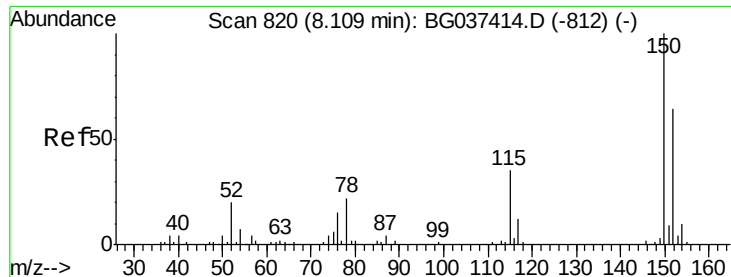
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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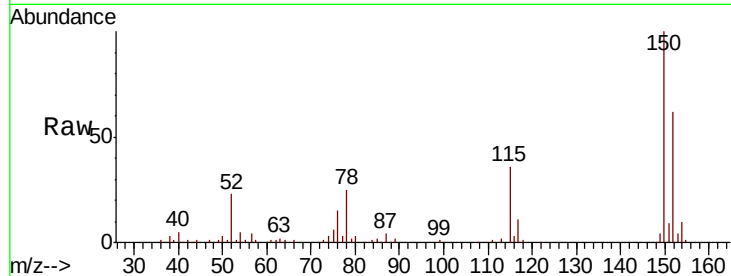


#1

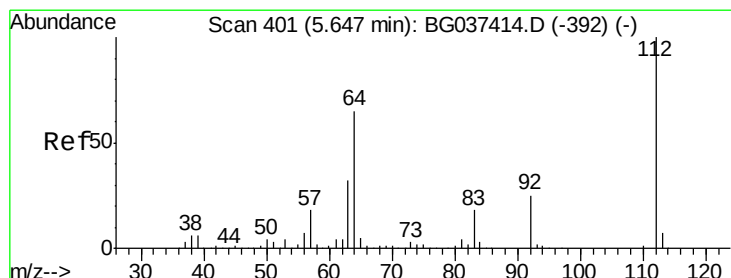
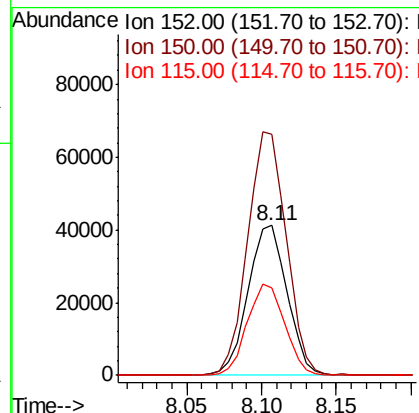
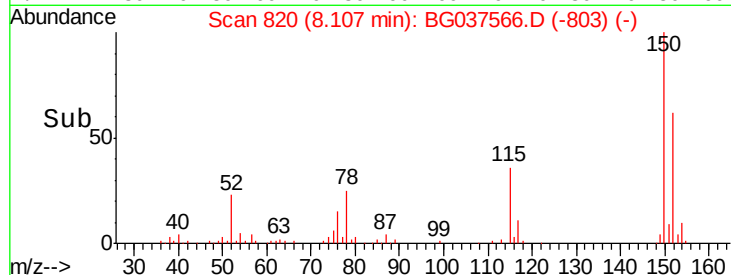
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037566.D
Acq: 26 Oct 2018 5:26

Instrument :
BNA_G
ClientSampled :
PH-SOIL

Tot Ion:152 Resp: 74532
Ion Ratio Lower Upper
152 100
150 161.2 126.0 189.0
115 58.8 45.5 68.3



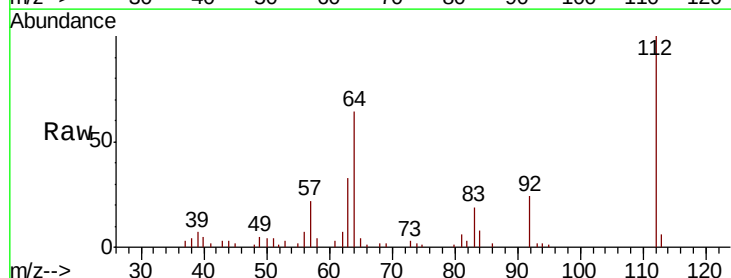
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



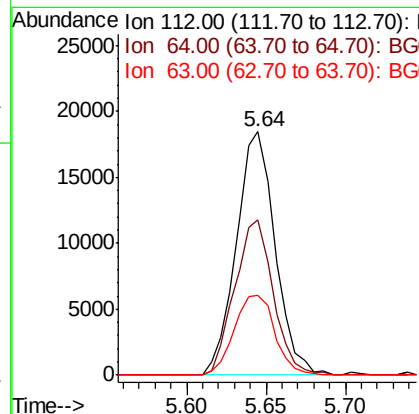
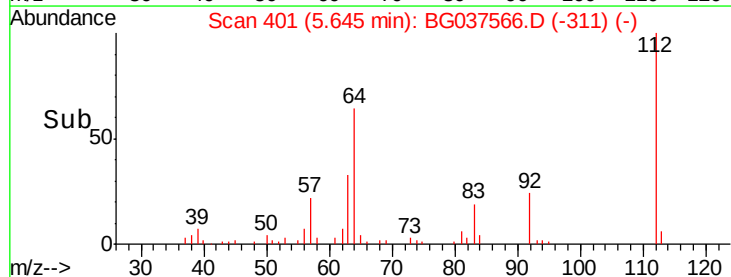
#5

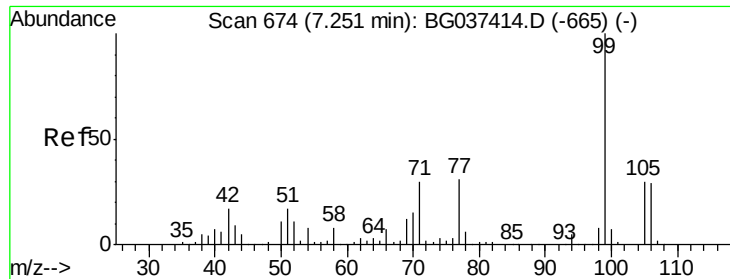
2-Fluorophenol
Concen: 7.037 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037566.D
Acq: 26 Oct 2018 5:26

Tgt Ion:112 Resp: 31373
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 32.8 27.3 40.9



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: 4.085 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

Instrument :

BNA_G

ClientSampleId :

PH-SOIL

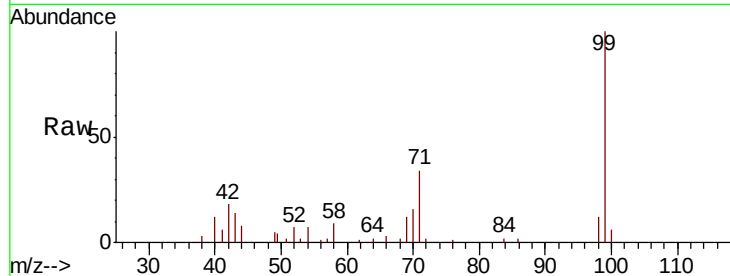
Tot Ion: 99 Resp: 27538

Ion Ratio Lower Upper

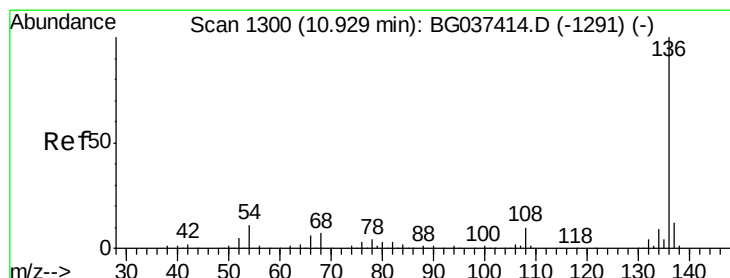
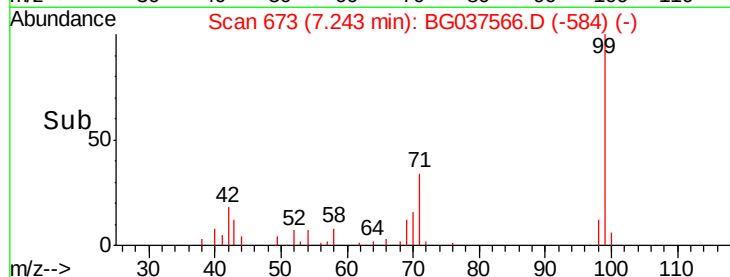
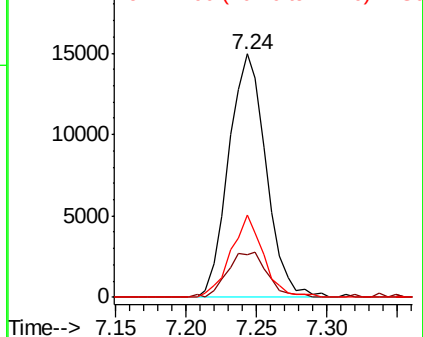
99 100

42 17.6 15.0 22.4

71 33.6 25.5 38.3



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: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

Tgt Ion: 136 Resp: 345686

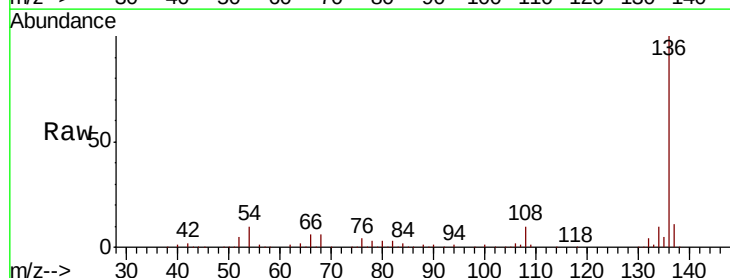
Ion Ratio Lower Upper

136 100

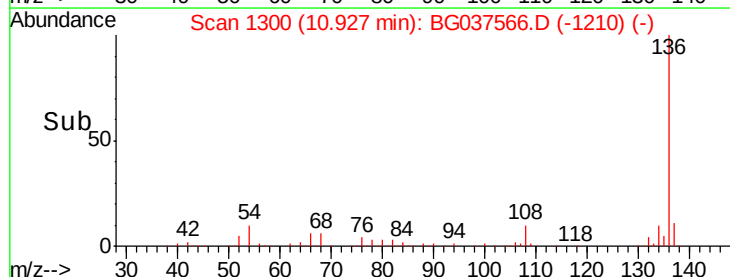
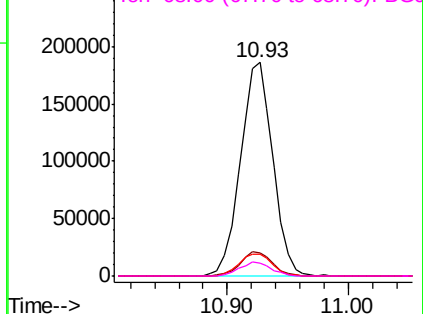
137 11.0 9.6 14.4

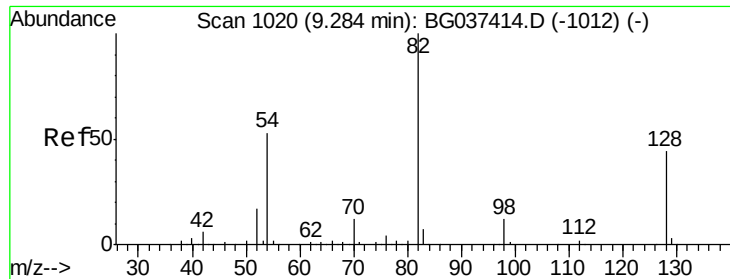
54 10.0 7.9 11.9

68 5.9 4.8 7.2



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

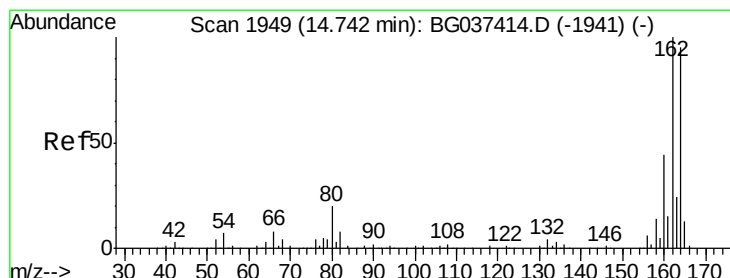
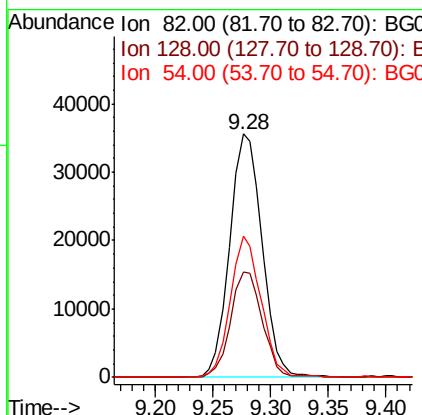
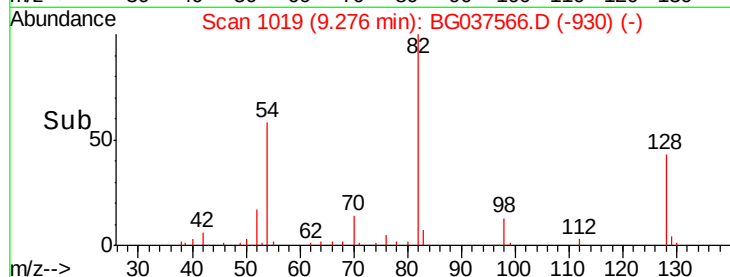
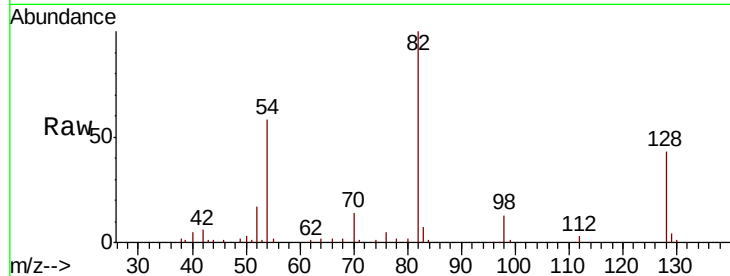




#23
 Nitrobenzene-d5
 Concen: 11.203 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037566.D
 Acq: 26 Oct 2018 5:26

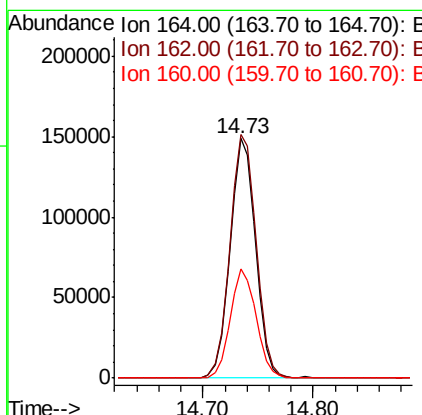
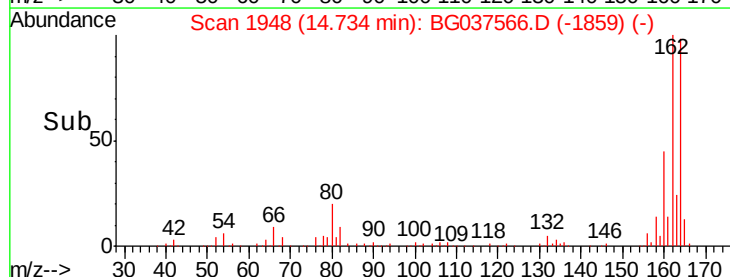
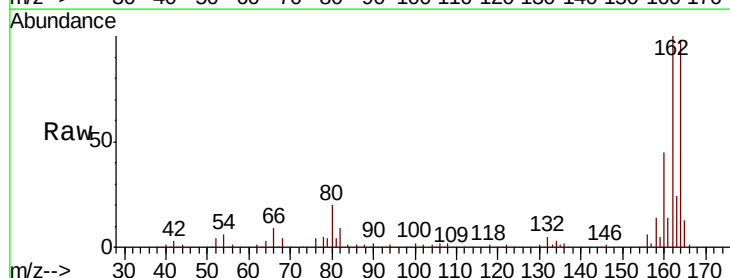
Instrument :
 BNA_G
 ClientSampleId :
 PH-SOIL

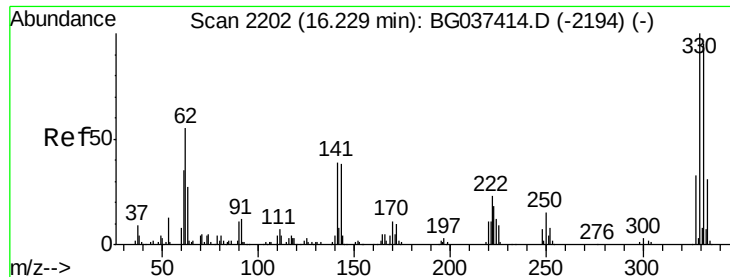
Tot Ion	82.00	Resp	69133
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.6	51.8
54	57.8	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037566.D
 Acq: 26 Oct 2018 5:26

Tgt Ion	164.00	Resp	241067
Ion Ratio	Lower	Upper	
164	100		
162	101.6	81.3	121.9
160	45.7	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 15.598 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

Instrument :

BNA_G

ClientSampleId :

PH-SOIL

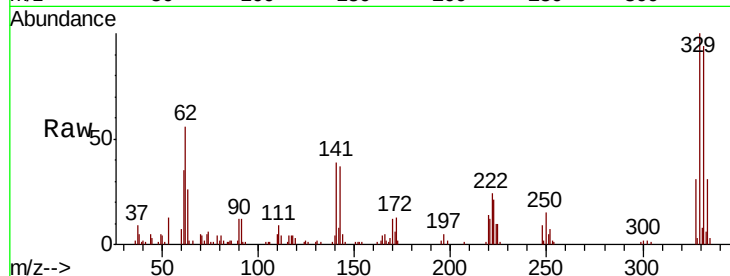
Tot Ion:330 Resp: 41013

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

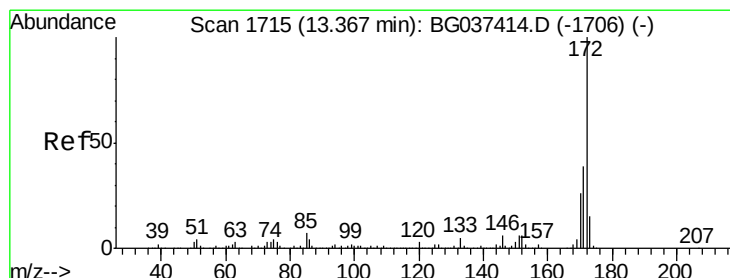
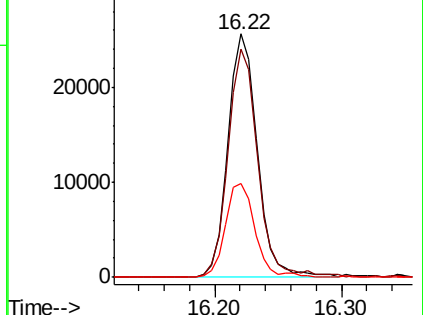
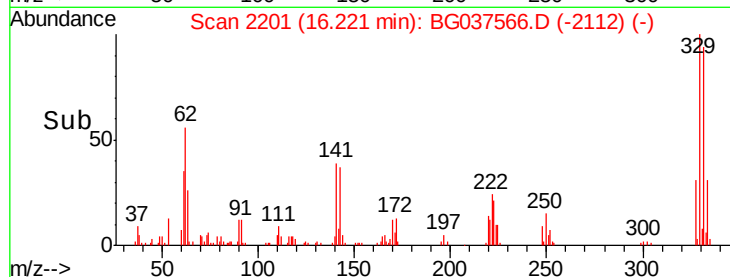
141 38.9 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 11.882 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

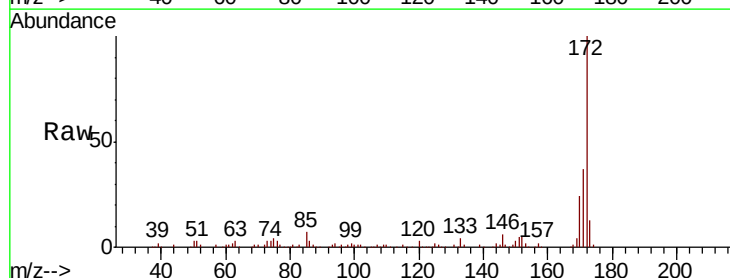
Tgt Ion:172 Resp: 189948

Ion Ratio Lower Upper

172 100

171 37.0 31.0 46.4

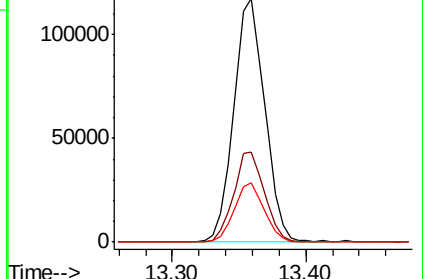
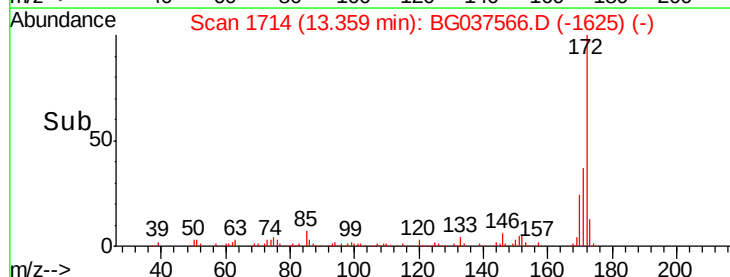
170 24.2 20.2 30.2

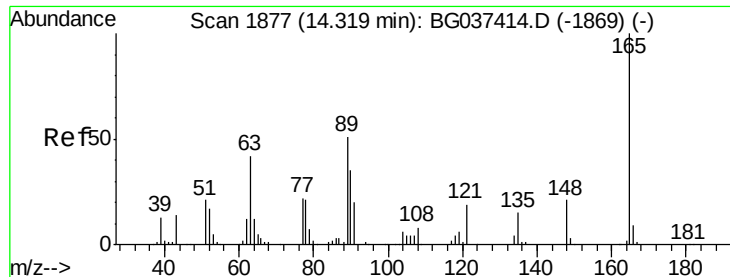


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

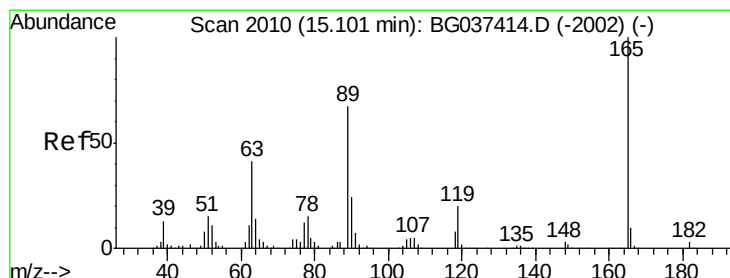
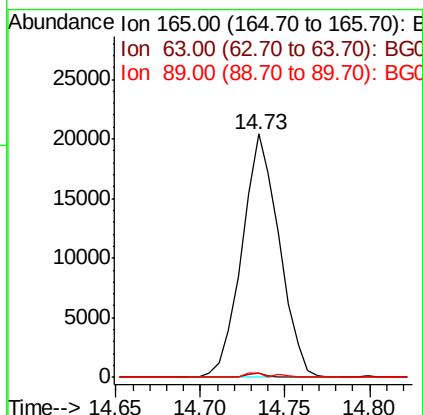
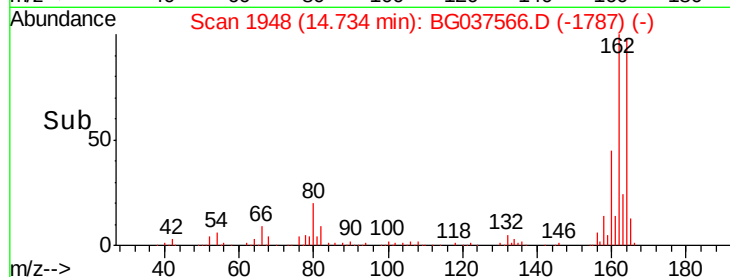
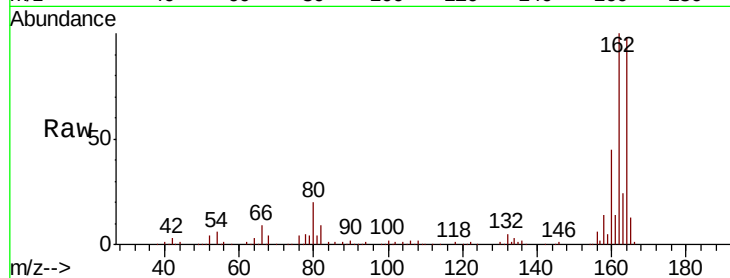




#51
 2,6-Dinitrotoluene
 Concen: 7.586 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037566.D
 Acq: 26 Oct 2018 5:26

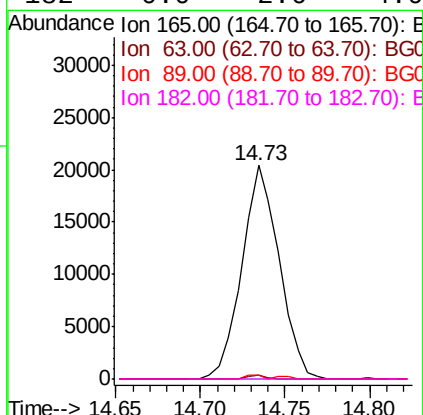
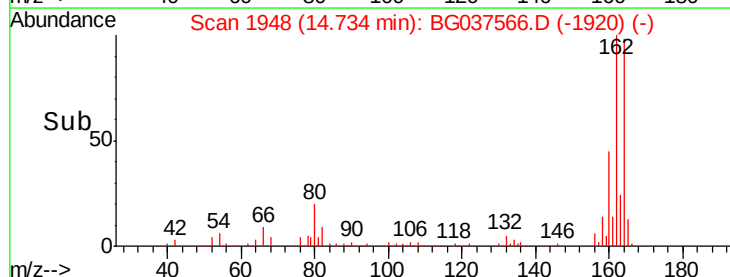
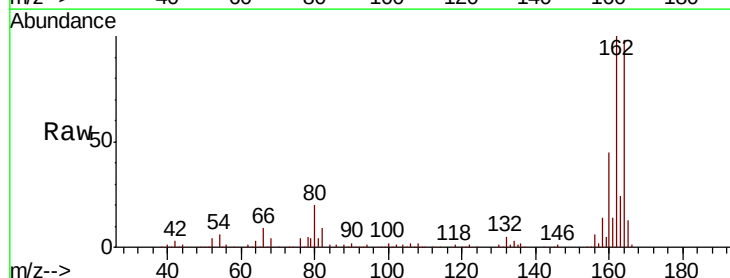
Instrument :
 BNA_G
 ClientSampleId :
 PH-SOIL

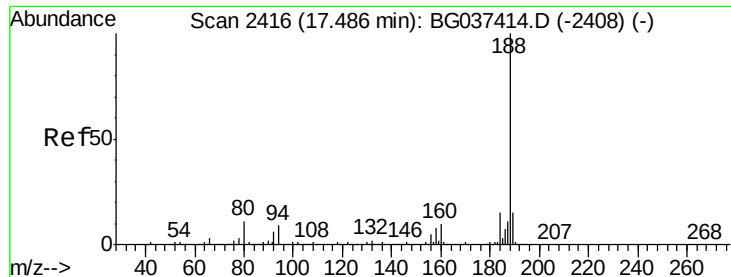
Tot Ion:165 Resp: 31295
 Ion Ratio Lower Upper
 165 100
 63 1.5 43.4 65.2#
 89 1.6 45.8 68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.779 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037566.D
 Acq: 26 Oct 2018 5:26

Tgt Ion:165 Resp: 31295
 Ion Ratio Lower Upper
 165 100
 63 1.5 33.4 50.0#
 89 1.6 57.2 85.8#
 182 0.0 2.6 4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

Instrument :

BNA_G

ClientSampleId :

PH-SOIL

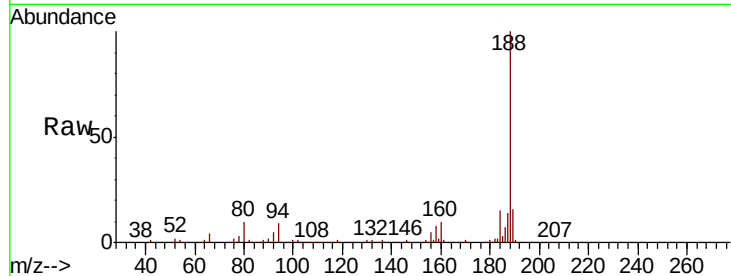
Tot Ion:188 Resp: 552659

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

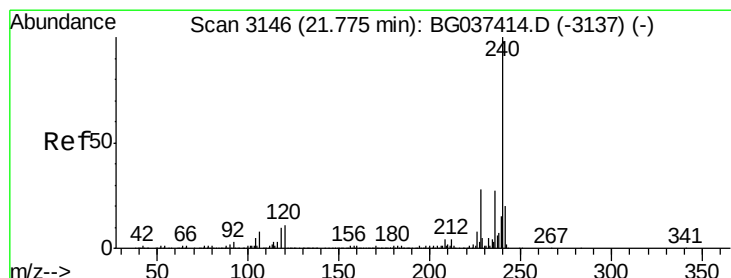
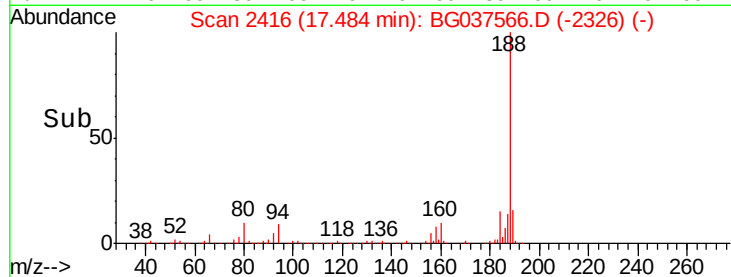
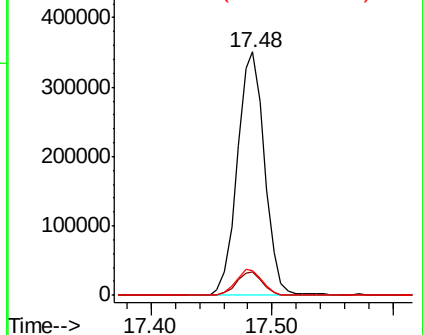
80 10.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

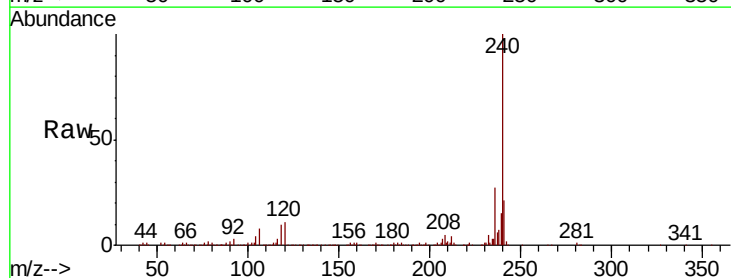
Tgt Ion:240 Resp: 508005

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

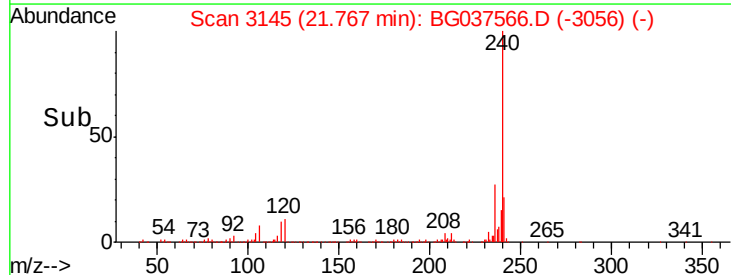
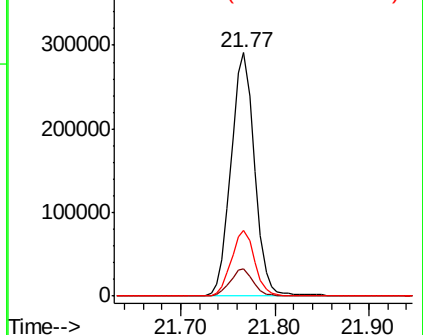
236 27.0 21.4 32.0

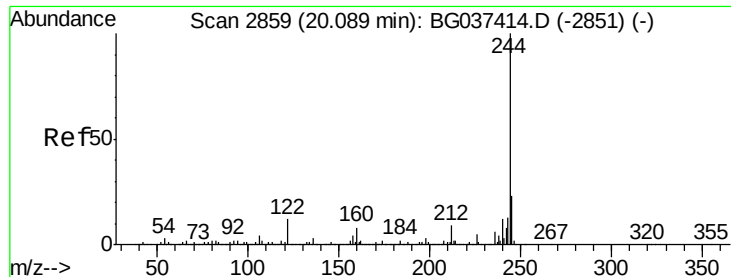


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 12.459 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

Instrument :

BNA_G

ClientSampleId :

PH-SOIL

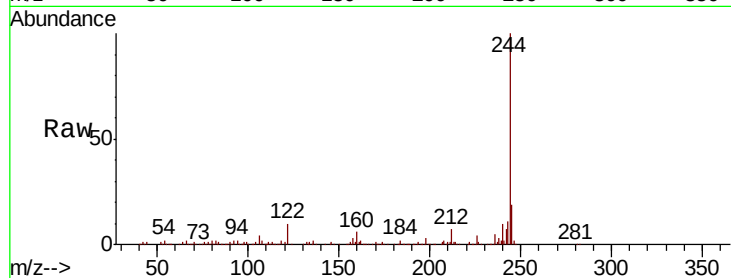
Tot Ion:244 Resp: 296217

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

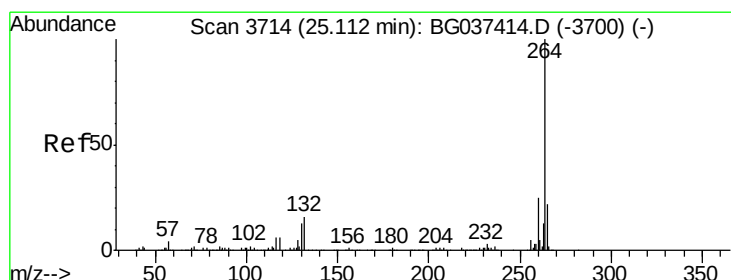
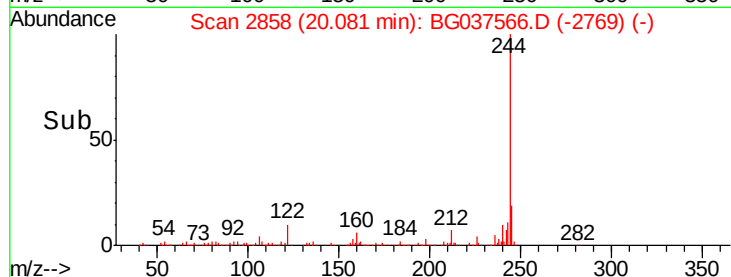
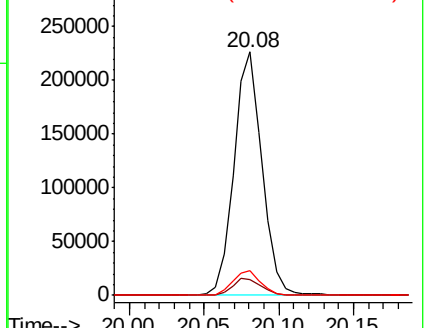
122 9.9 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037566.D

Acq: 26 Oct 2018 5:26

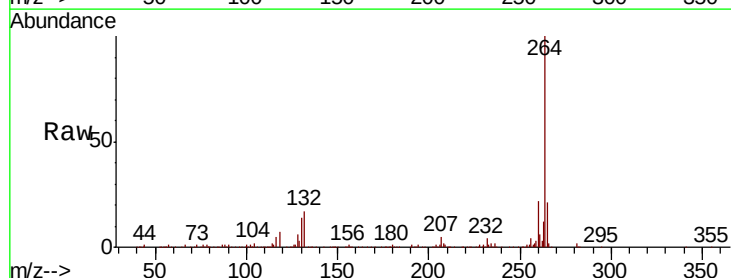
Tgt Ion:264 Resp: 507509

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.4

265 20.7 17.9 26.9



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

