

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037425.D
 Acq On : 18 Oct 2018 18:37
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 8 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 08:01:53 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

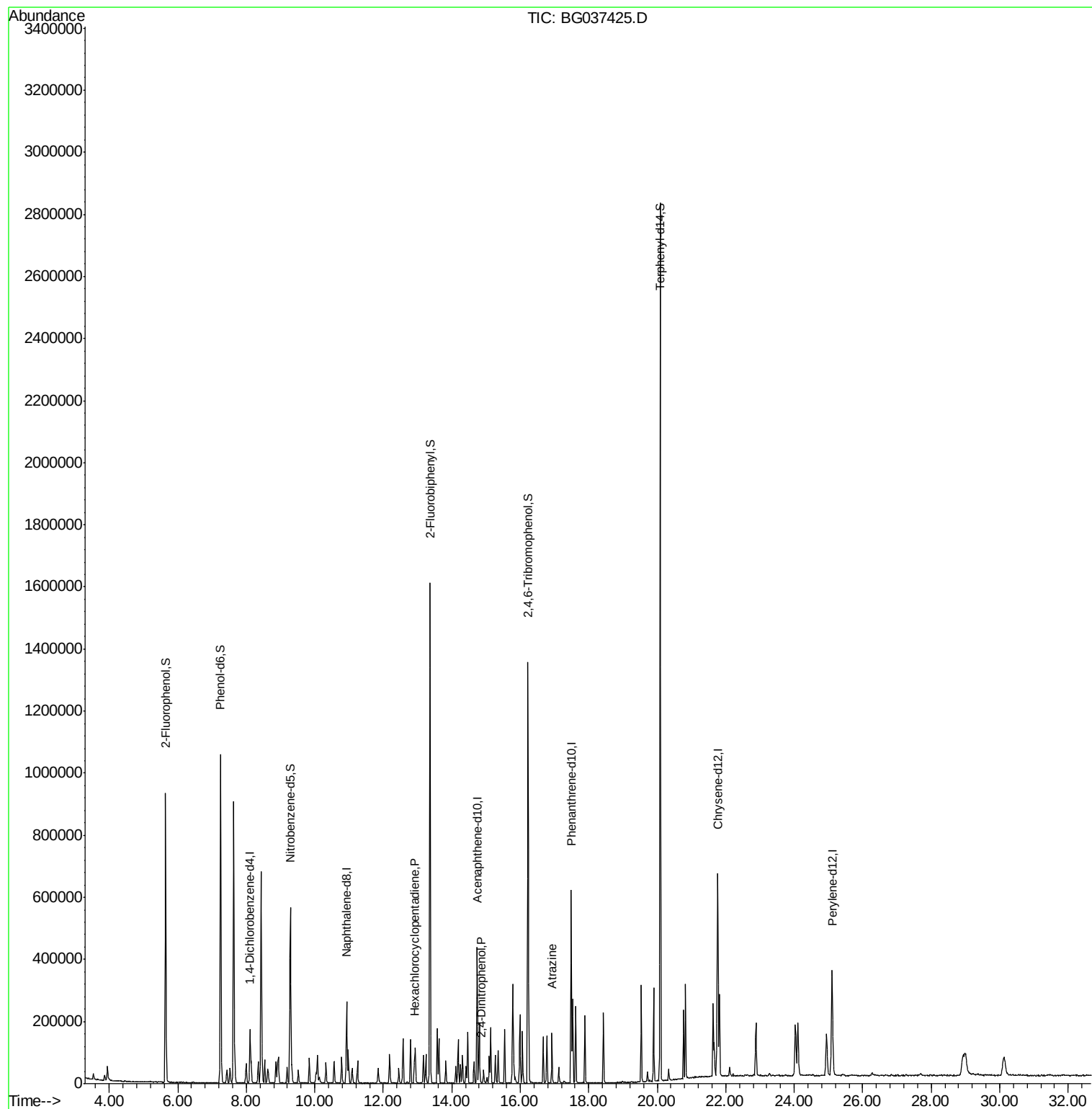
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51906	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	239281	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	158677	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	394595	20.00	ng	0.00
76) Chrysene-d12	21.77	240	368338	20.00	ng	0.00
87) Perylene-d12	25.11	264	370525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	440628	141.92	ng	0.00
7) Phenol-d6	7.25	99	633460	134.93	ng	0.00
23) Nitrobenzene-d5	9.29	82	357171	83.62	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	243295	140.58	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	866854	82.38	ng	0.00
79) Terphenyl-d14	20.09	244	1359368	78.86	ng	0.00
Target Compounds						
41) Hexachlorocyclopentadiene	12.91	237	18553	7.589	ng	95
54) 2,4-Dinitrophenol	14.86	184	1353	8.255	ng	# 62
69) Atrazine	16.93	200	31539	7.349	ng	98

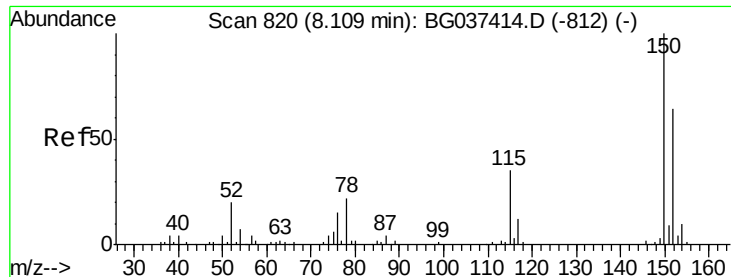
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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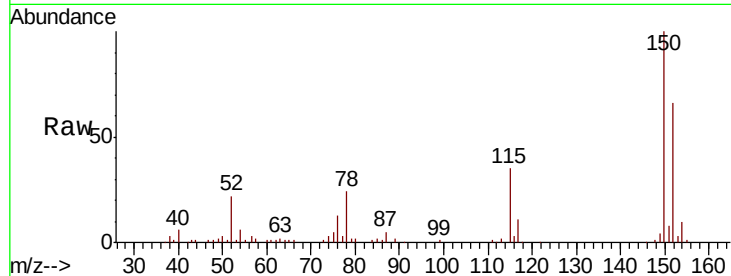


#1

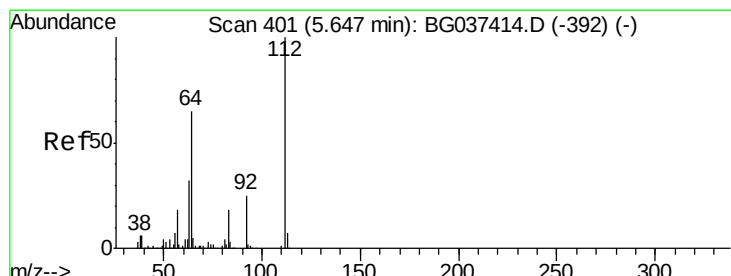
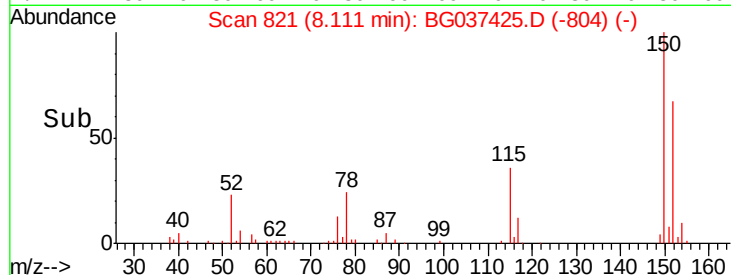
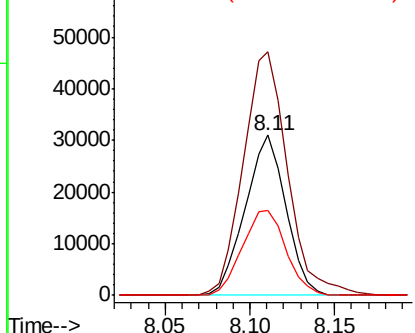
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:152 Resp: 51906
Ion Ratio Lower Upper
152 100
150 152.1 126.0 189.0
115 53.3 45.5 68.3



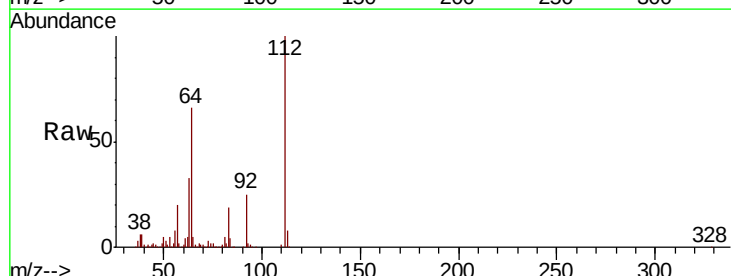
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



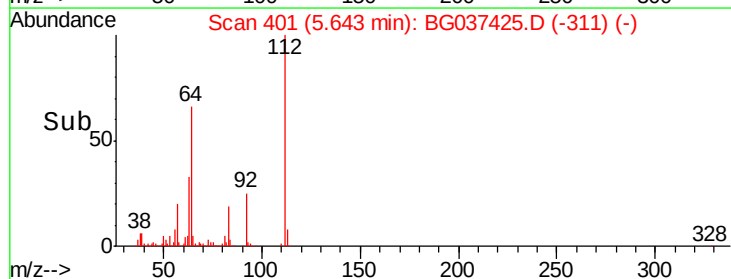
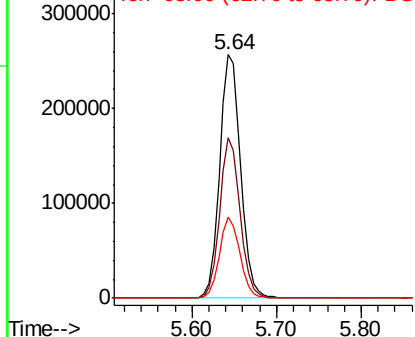
#5

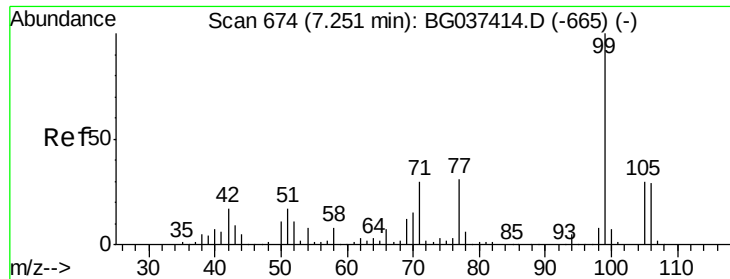
2-Fluorophenol
Concen: 141.923 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

Tgt Ion:112 Resp: 440628
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 33.3 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 134.931 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

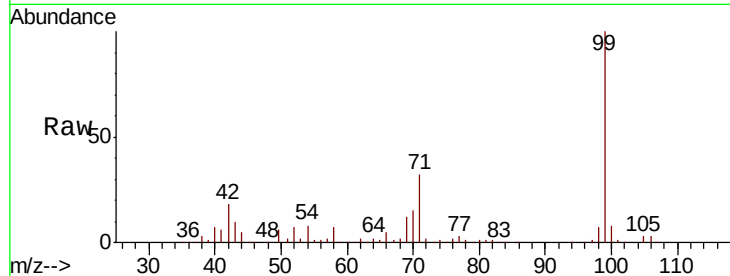
Tot Ion: 99 Resp: 633460

Ion Ratio Lower Upper

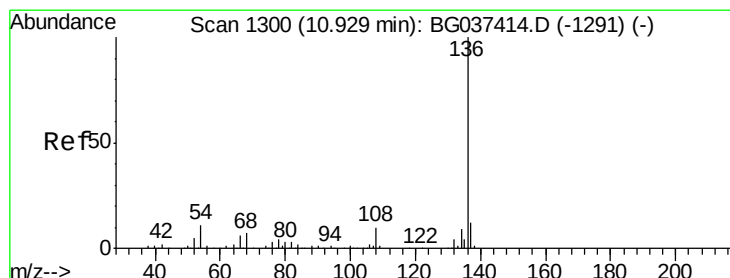
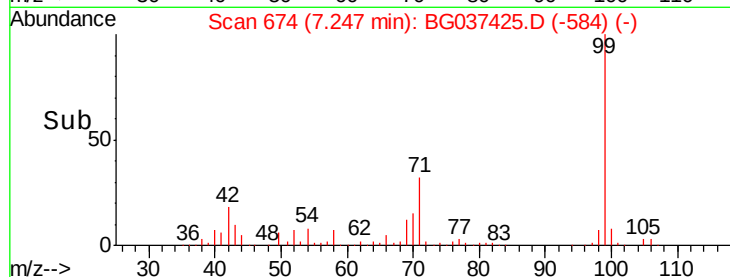
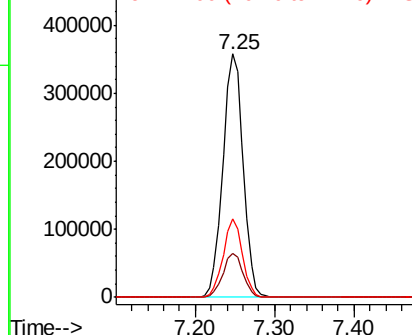
99 100

42 18.0 15.0 22.4

71 32.0 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# 1301

Delta R.T. 0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

Tgt Ion: 136 Resp: 239281

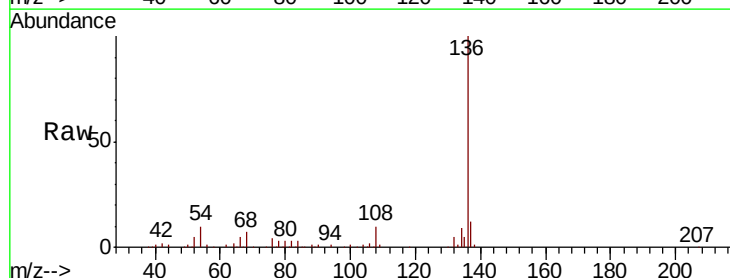
Ion Ratio Lower Upper

136 100

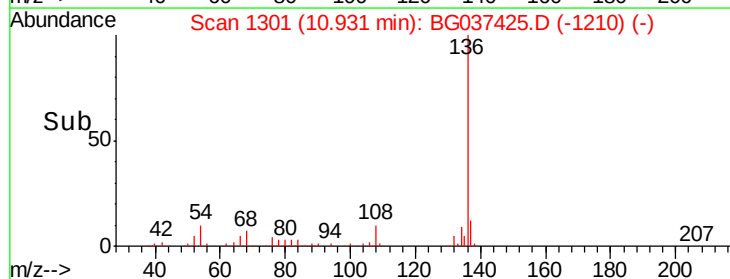
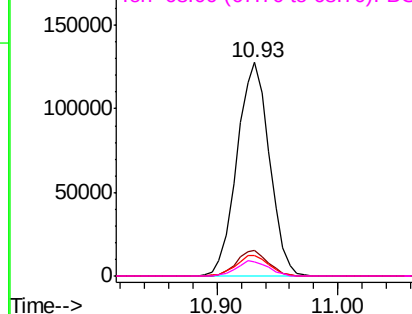
137 12.0 9.6 14.4

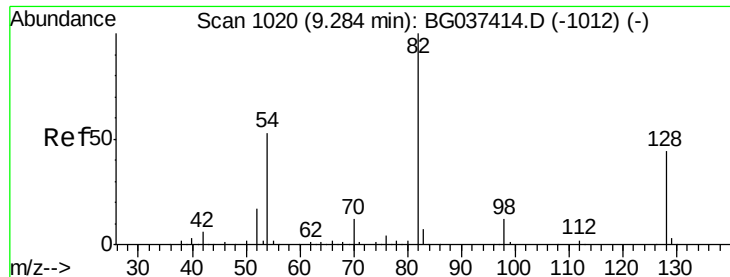
54 9.8 7.9 11.9

68 6.7 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

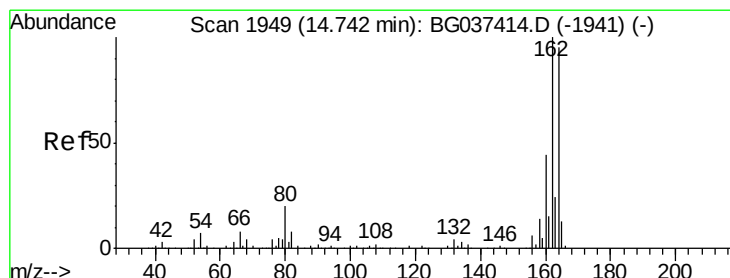
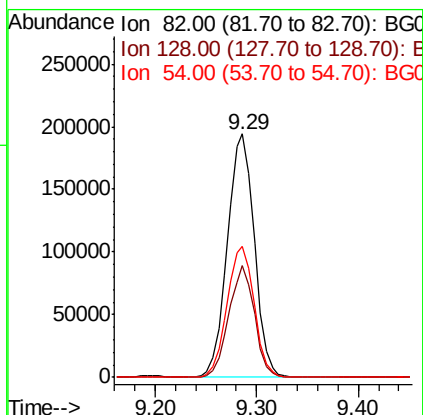
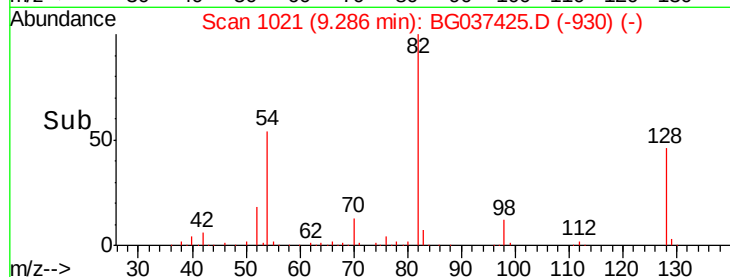
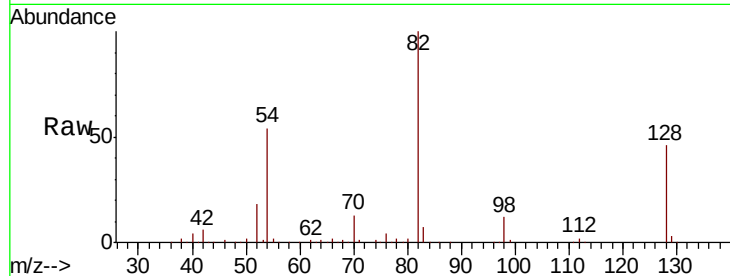




#23
Nitrobenzene-d5
Concen: 83.619 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

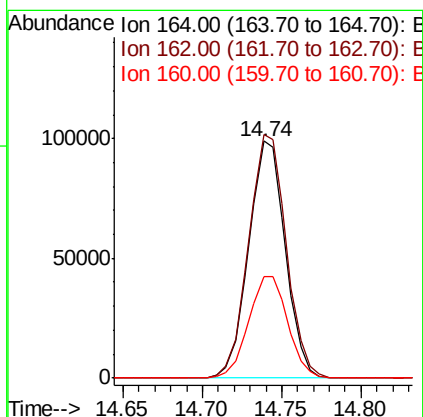
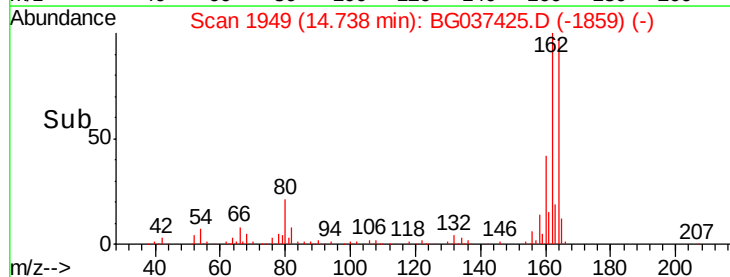
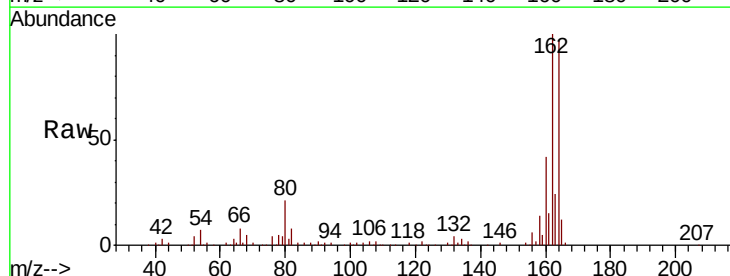
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

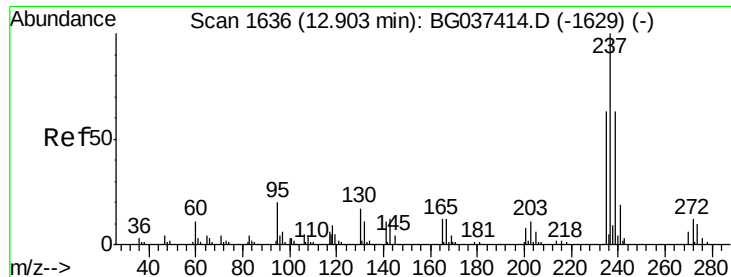
Tot Ion: 82 Resp: 357171
Ion Ratio Lower Upper
82 100
128 45.7 34.6 51.8
54 53.9 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

Tgt Ion:164 Resp: 158677
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 43.0 36.3 54.5





#41

Hexachlorocyclopentadiene

Concen: 7.589 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

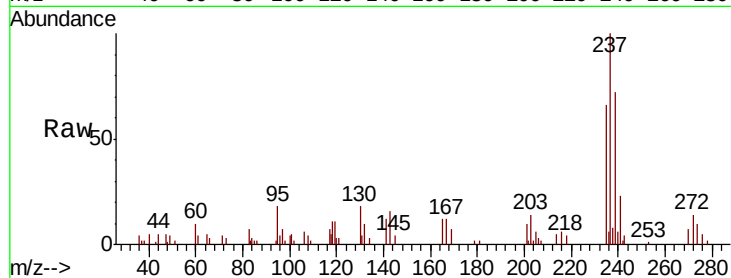
Tot Ion:237 Resp: 18553

Ion Ratio Lower Upper

237 100

235 66.4 42.5 82.5

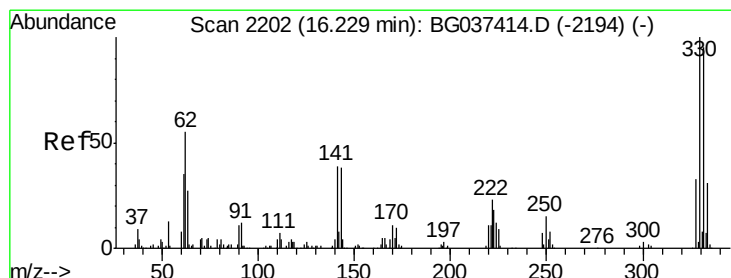
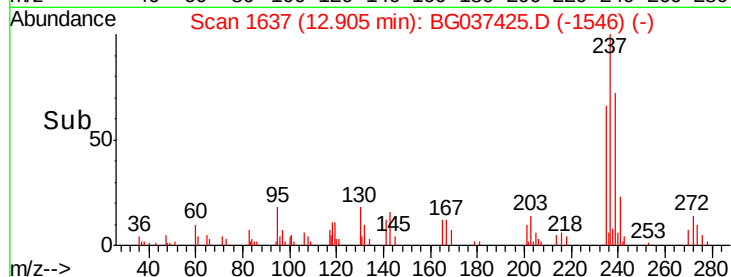
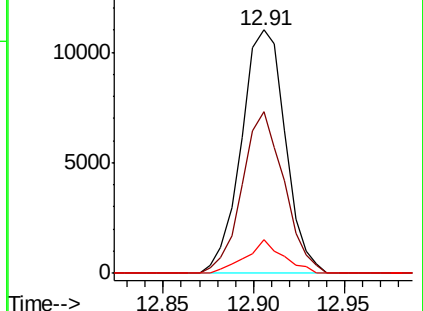
272 13.7 0.0 31.6



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



#42

2,4,6-Tribromophenol

Concen: 140.578 ng

RT: 16.22 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

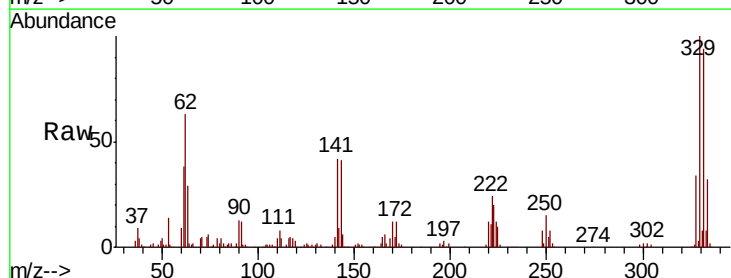
Tgt Ion:330 Resp: 243295

Ion Ratio Lower Upper

330 100

332 94.7 78.4 117.6

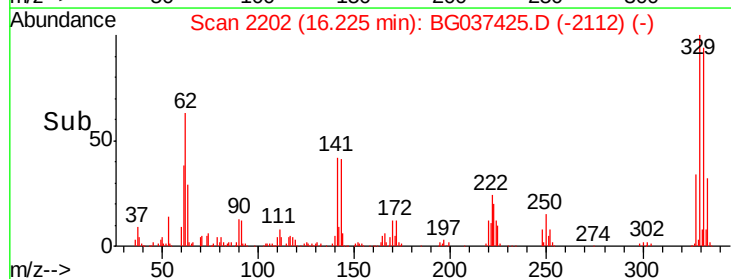
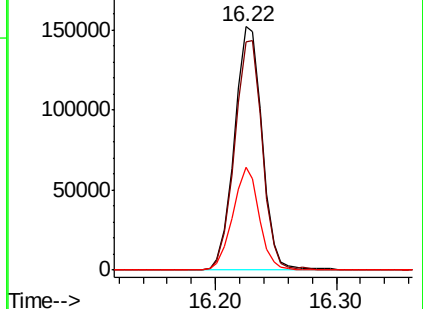
141 40.2 32.2 48.2

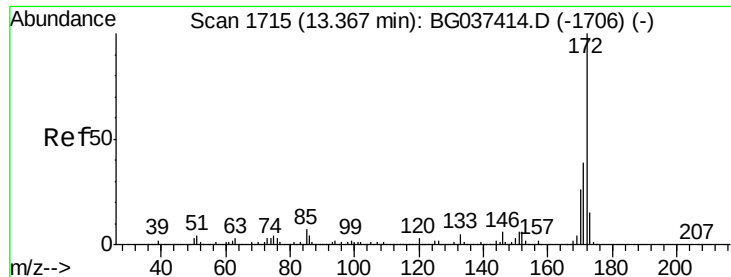


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

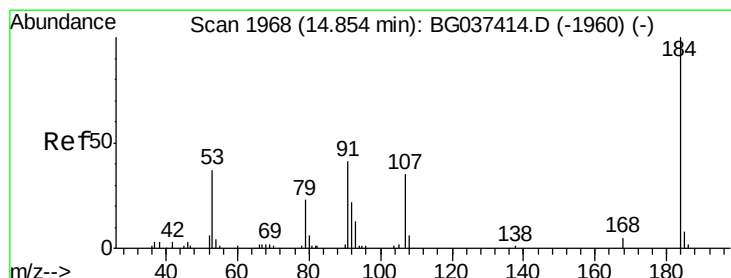
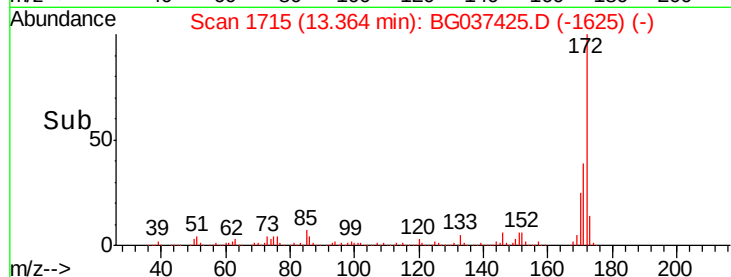
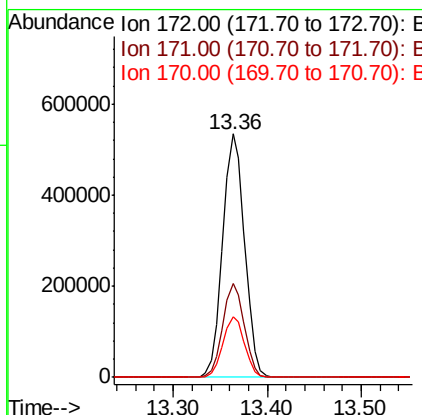
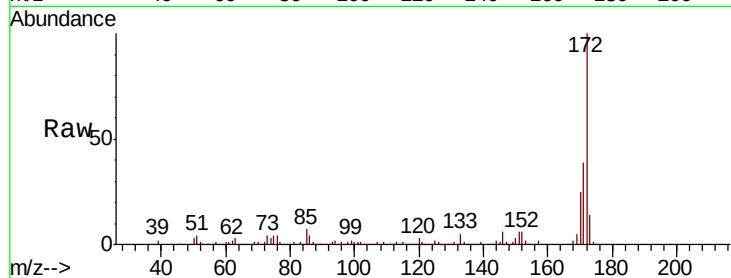




#45
 2-Fluorobiphenyl
 Concen: 82.379 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037425.D
 Acq: 18 Oct 2018 18:37

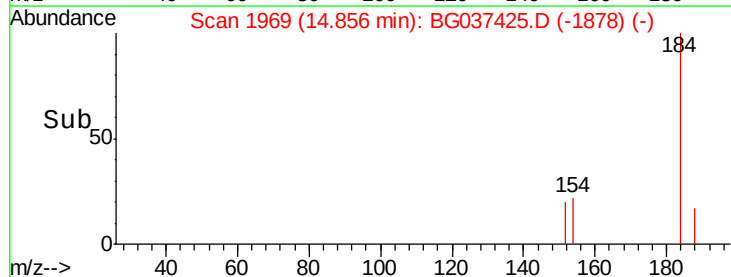
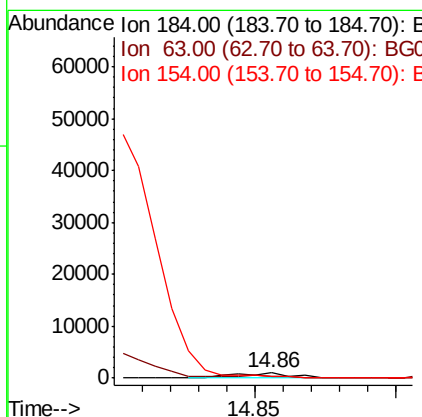
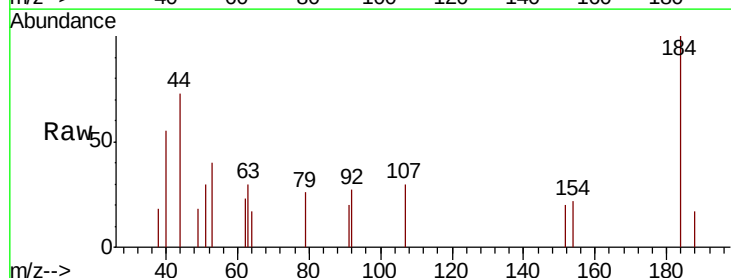
Instrument :
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 LOD-MDL-SOIL-01-QT4-2018

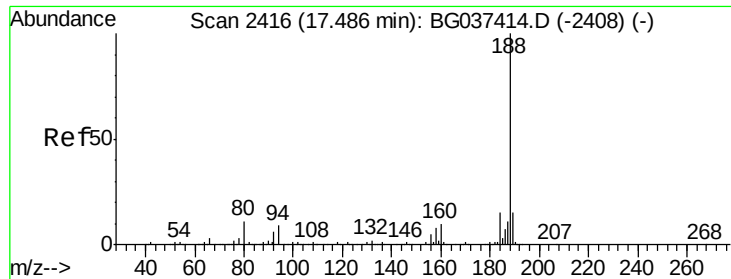
Tot Ion:172 Resp: 866854
 Ion Ratio Lower Upper
 172 100
 171 38.6 31.0 46.4
 170 24.8 20.2 30.2



#54
 2,4-Dinitrophenol
 Concen: 8.255 ng
 RT: 14.86 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: BG037425.D
 Acq: 18 Oct 2018 18:37

Tgt Ion:184 Resp: 1353
 Ion Ratio Lower Upper
 184 100
 63 30.2 42.6 63.8#
 154 21.5 41.8 62.6#

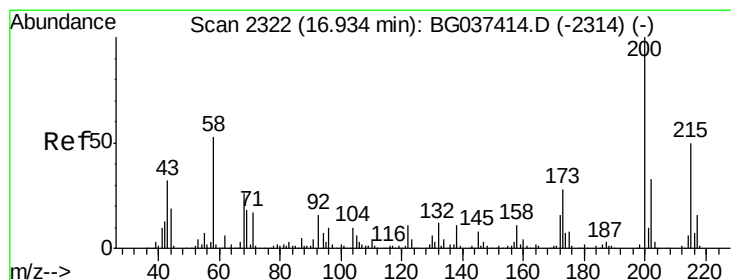
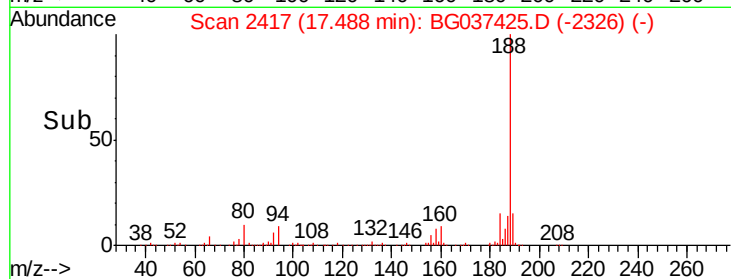
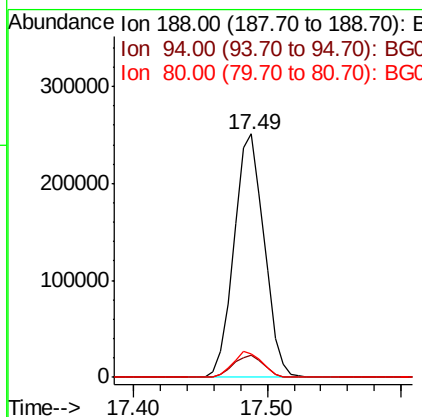
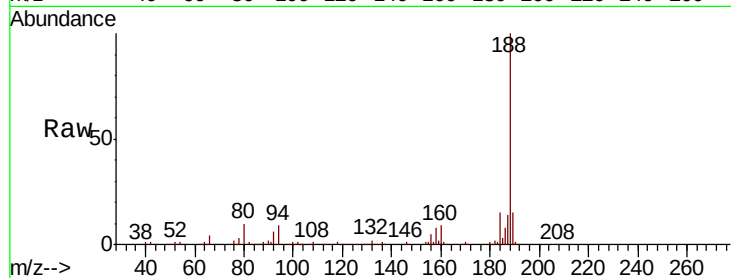




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

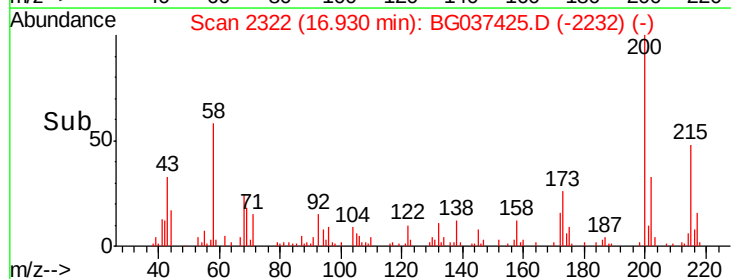
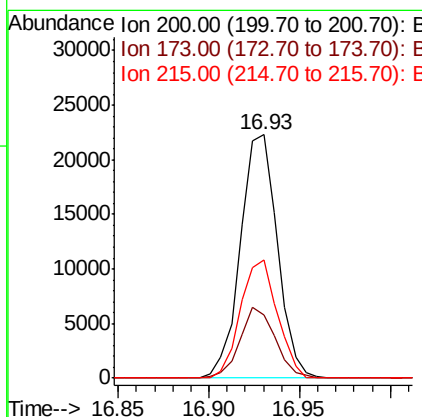
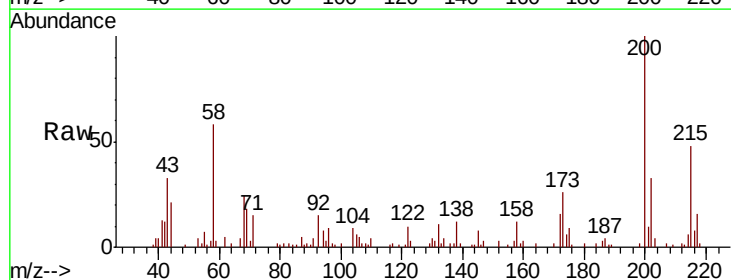
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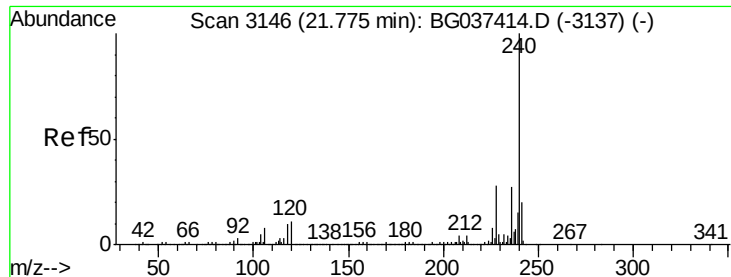
Tot Ion:188 Resp: 394595
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 9.9 7.7 11.5



#69
Atrazine
Concen: 7.349 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.00 min
Lab File: BG037425.D
Acq: 18 Oct 2018 18:37

Tgt Ion:200 Resp: 31539
Ion Ratio Lower Upper
200 100
173 25.8 6.1 46.1
215 48.5 30.8 70.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

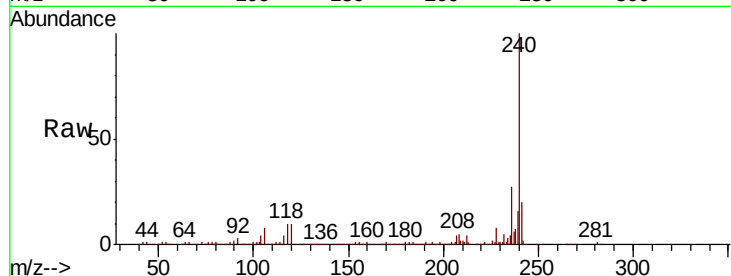
Tot Ion:240 Resp: 368338

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

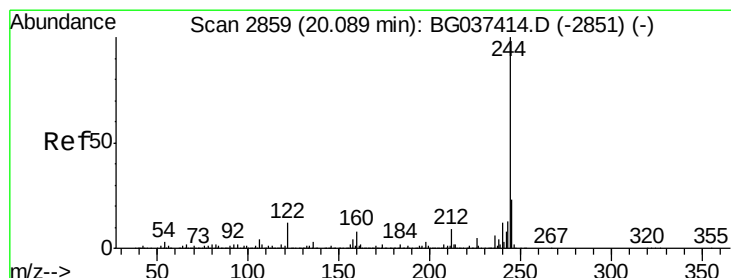
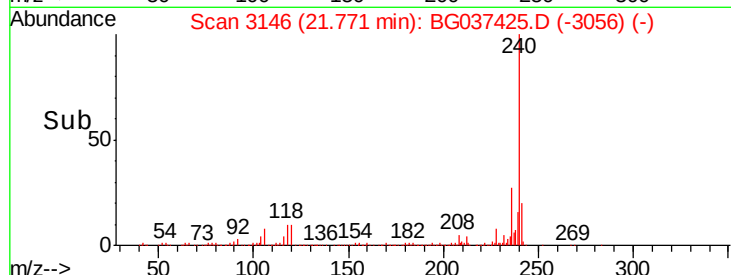
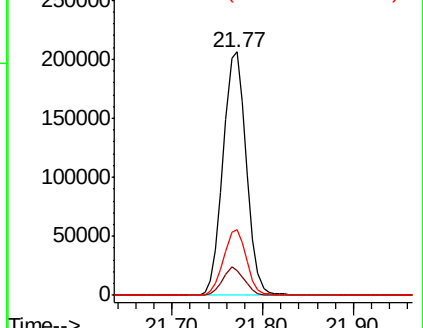
236 27.2 21.4 32.0



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: 78.858 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037425.D

Acq: 18 Oct 2018 18:37

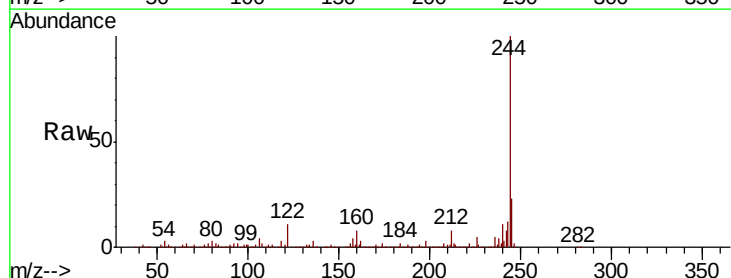
Tgt Ion:244 Resp: 1359368

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

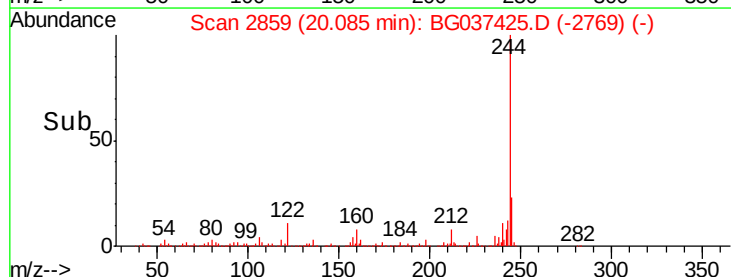
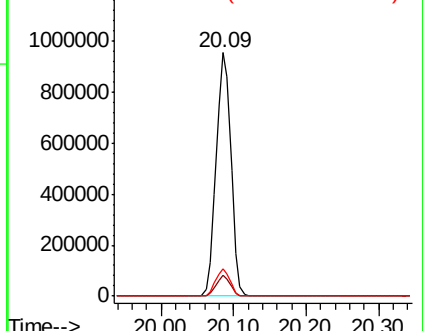
122 11.3 9.0 13.4

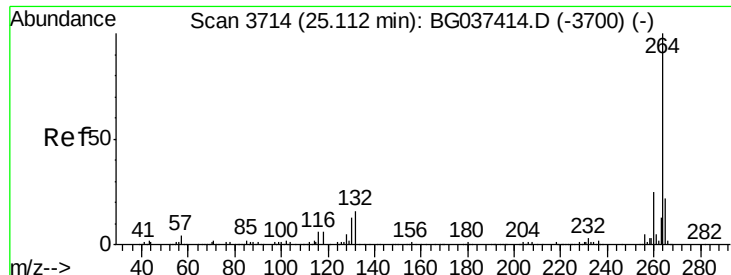


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

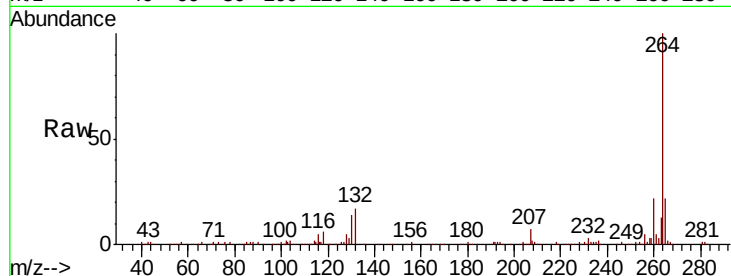




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3714
 Delta R.T. -0.00 min
 Lab File: BG037425.D
 Acq: 18 Oct 2018 18:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.2	27.4
265	21.8	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

