

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032539.D
 Acq On : 5 Feb 2018 18:25
 Operator : SJ/JU
 Sample : J1161-01
 Misc : LOD 8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Feb 06 04:08:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

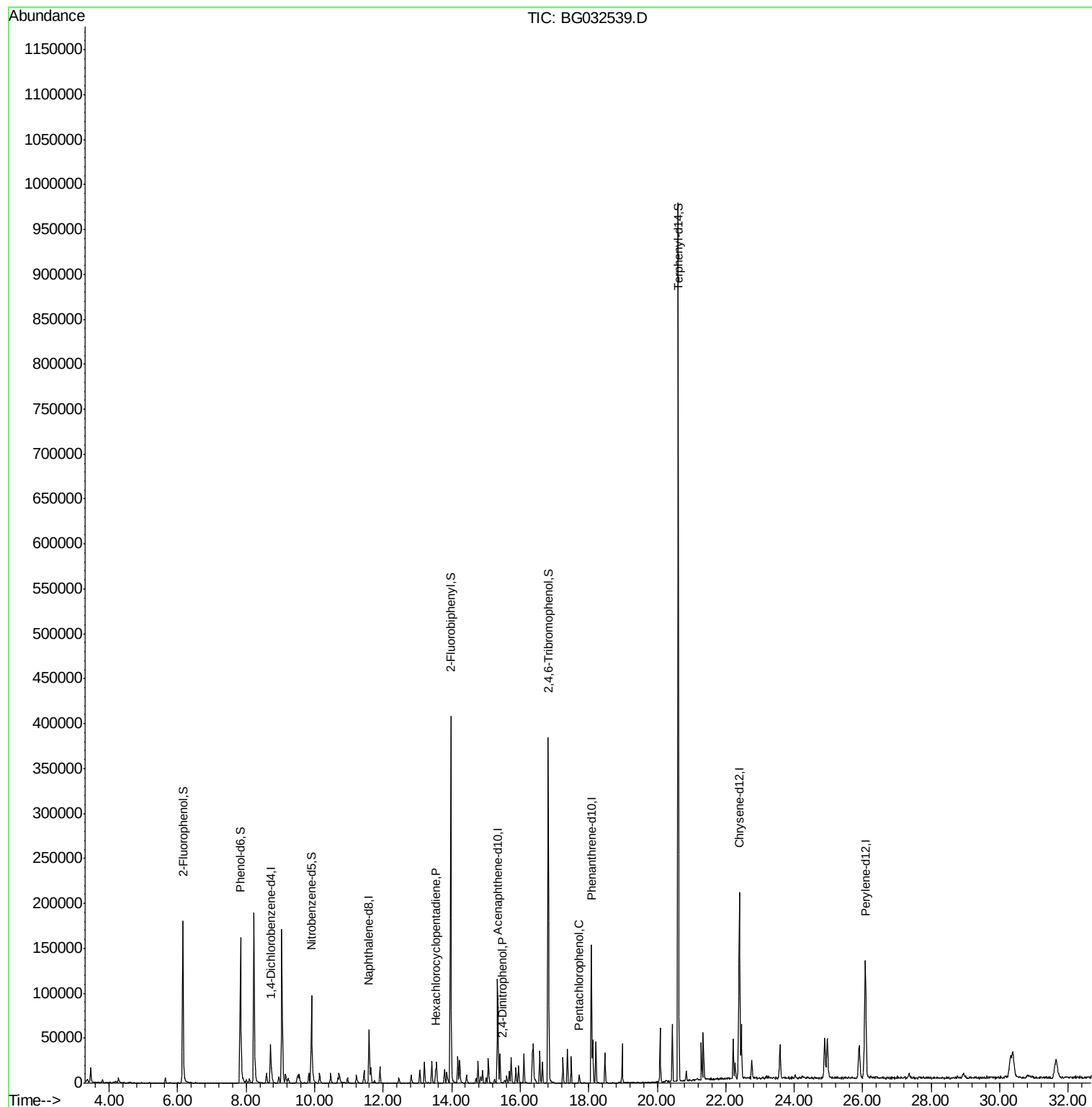
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	17529	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	64942	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	44810	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	117140	20.00	ng	0.00
75) Chrysene-d12	22.40	240	156217	20.00	ng	-0.01
86) Perylene-d12	26.07	264	172119	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	103587	118.69	ng	0.00
7) Phenol-d6	7.83	99	114407	98.24	ng	0.00
23) Nitrobenzene-d5	9.91	82	68898	66.27	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	108077	126.71	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	257231	68.23	ng	-0.01
78) Terphenyl-d14	20.62	244	547008	75.01	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	13.53	237	4902	3.743	ng	92
53) 2,4-Dinitrophenol	15.48	184	54	4.199	ng	# 1
69) Pentachlorophenol	17.71	266	3133	2.604	ng	# 53

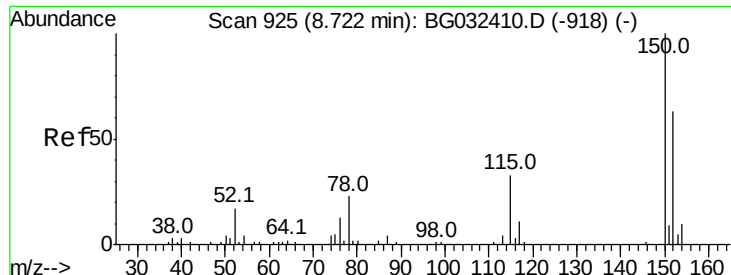
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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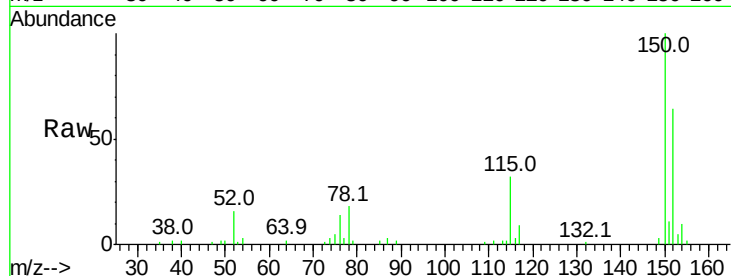


#1

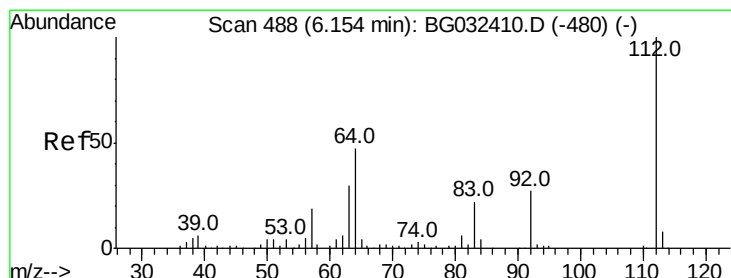
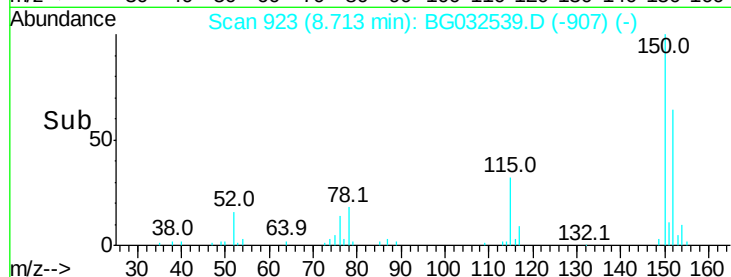
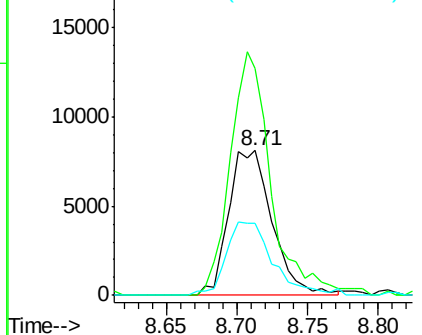
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032539.D
 Acq: 5 Feb 2018 18:25

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion:152 Resp: 17529
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.6 189.8
 115 49.7 53.0 79.4#



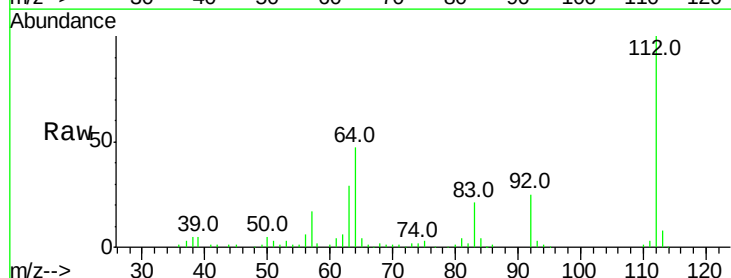
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



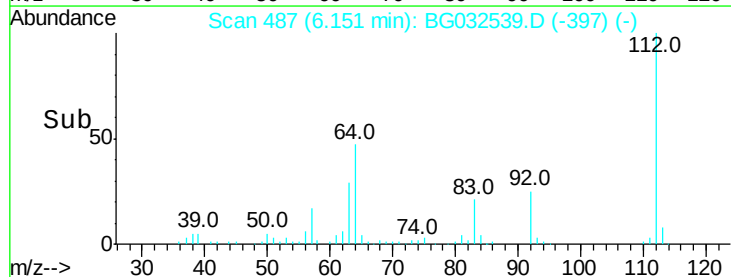
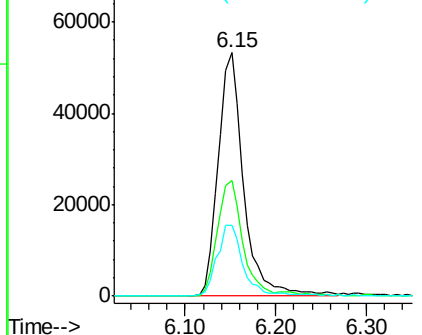
#5

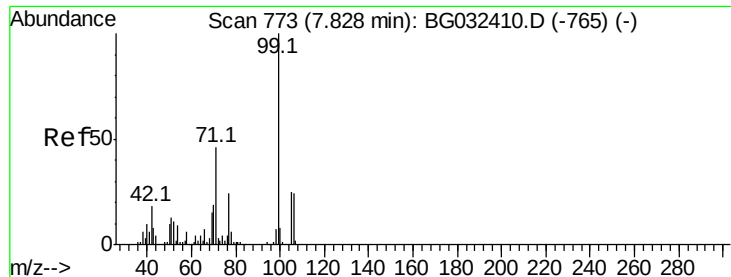
2-Fluorophenol
 Concen: 118.695 ng
 RT: 6.15 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BG032539.D
 Acq: 5 Feb 2018 18:25

Tgt Ion:112 Resp: 103587
 Ion Ratio Lower Upper
 112 100
 64 47.2 56.3 84.5#
 63 29.2 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: 98.240 ng

RT: 7.83 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

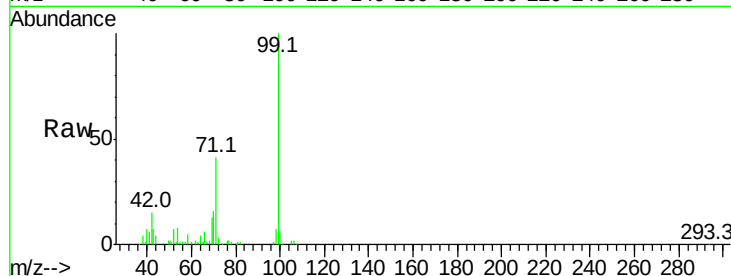
Tot Ion: 99 Resp: 114407

Ion Ratio Lower Upper

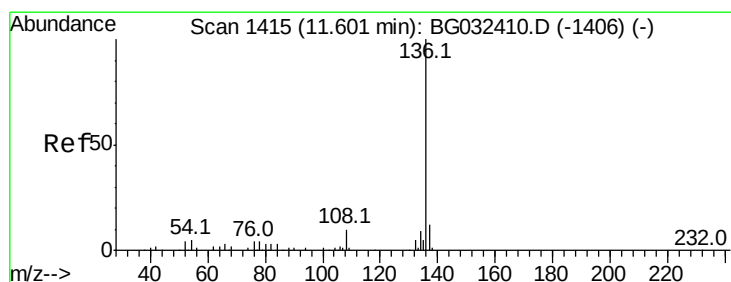
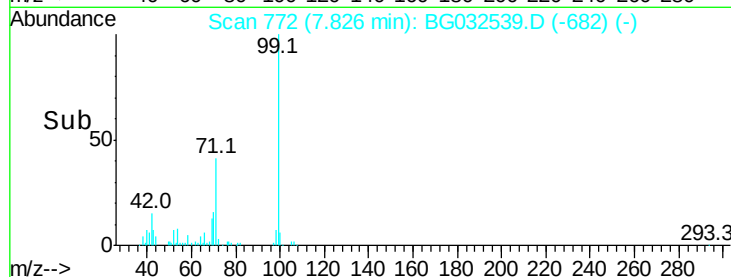
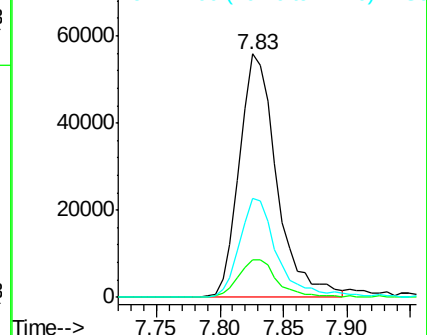
99 100

42 15.3 14.1 21.1

71 40.7 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: 11.59 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

Tgt Ion: 136 Resp: 64942

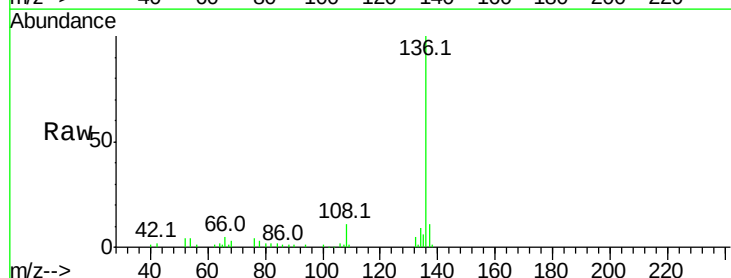
Ion Ratio Lower Upper

136 100

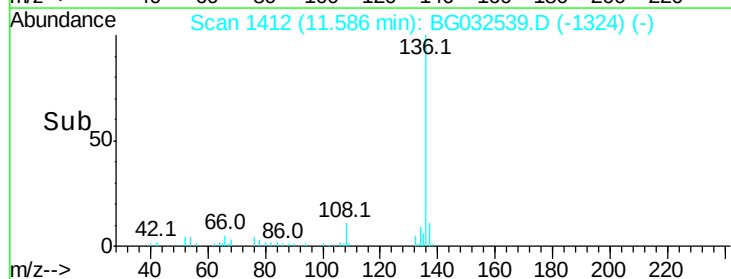
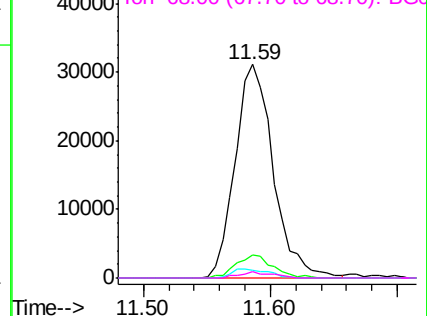
137 10.6 9.2 13.8

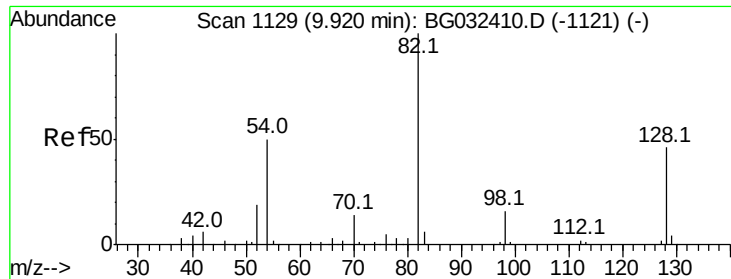
54 3.8 10.3 15.5#

68 3.2 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

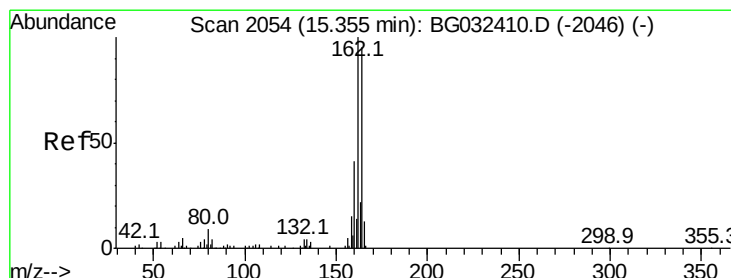
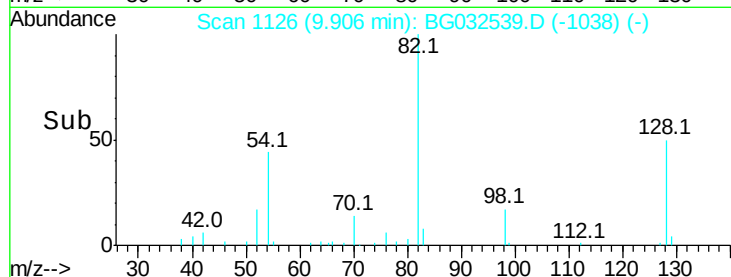
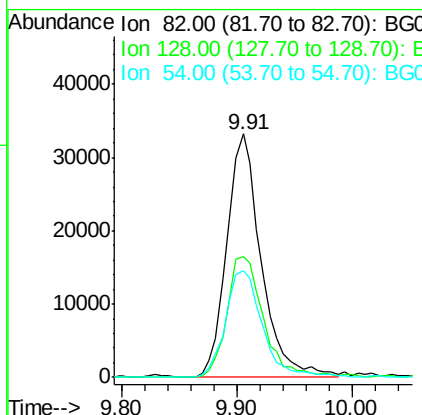
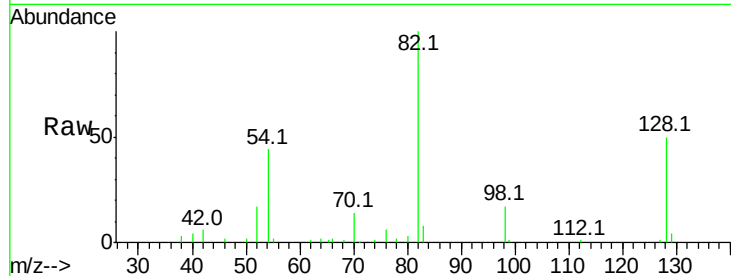




#23
 Nitrobenzene-d5
 Concen: 66.265 ng
 RT: 9.91 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BG032539.D
 Acq: 5 Feb 2018 18:25

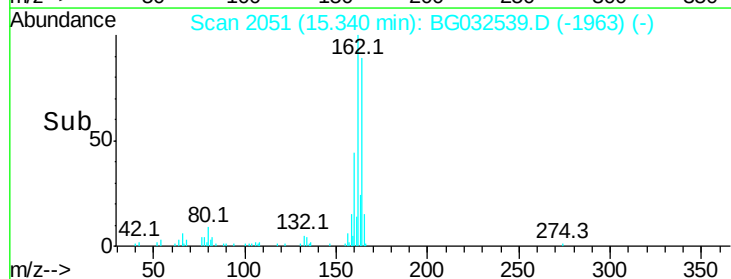
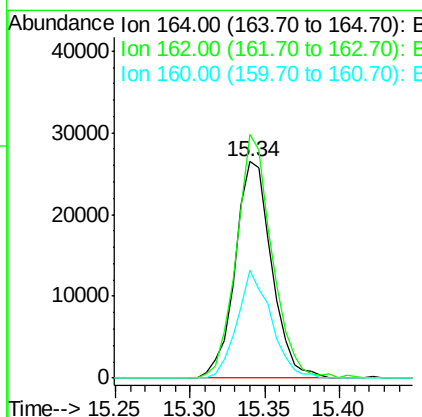
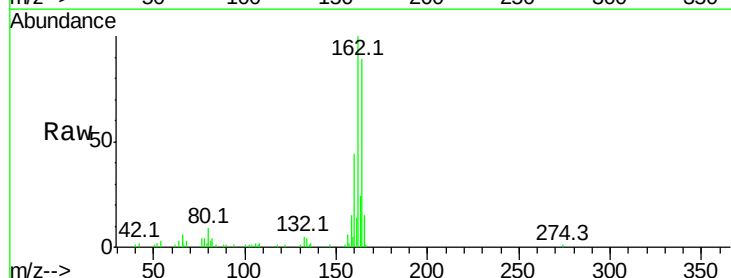
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

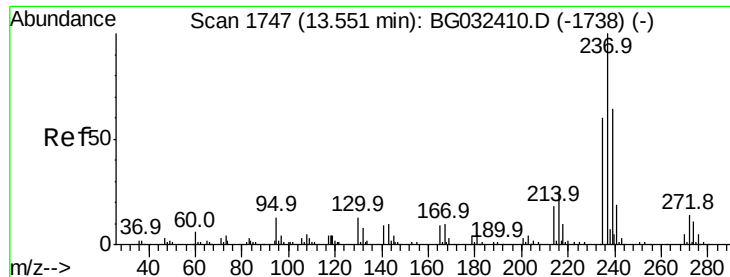
Tot Ion: 82 Resp: 68898
 Ion Ratio Lower Upper
 82 100
 128 49.6 29.7 44.5#
 54 43.9 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BG032539.D
 Acq: 5 Feb 2018 18:25

Tgt Ion:164 Resp: 44810
 Ion Ratio Lower Upper
 164 100
 162 112.5 78.8 118.2
 160 49.6 35.4 53.0





#40

Hexachlorocyclopentadiene

Concen: 3.743 ng

RT: 13.53 min Scan# 1743

Delta R.T. -0.02 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

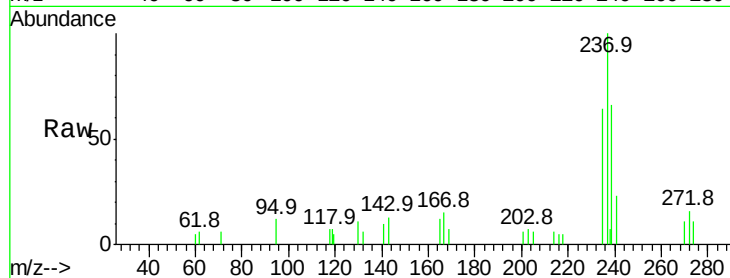
Tot Ion:237 Resp: 4902

Ion Ratio Lower Upper

237 100

235 64.1 50.4 90.4

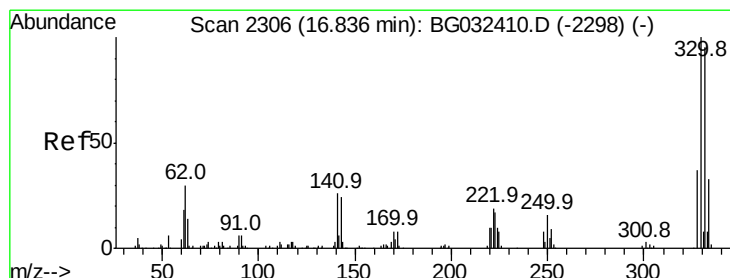
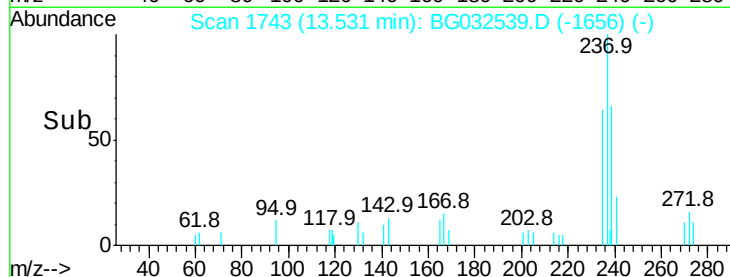
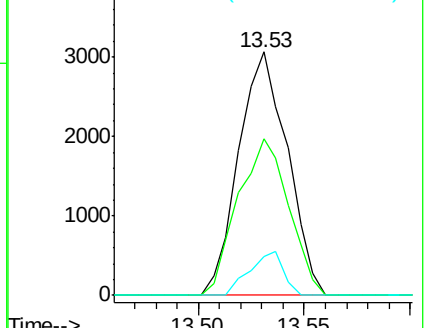
272 16.0 0.0 31.8



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



#41

2,4,6-Tribromophenol

Concen: 126.708 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

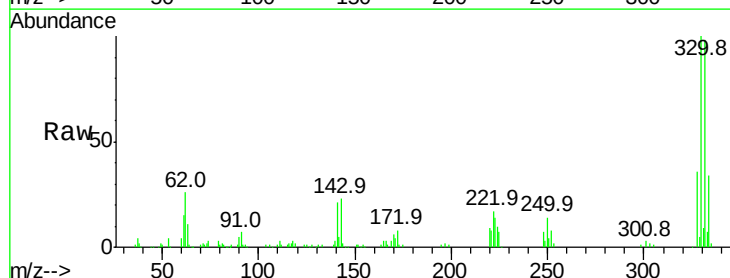
Tgt Ion:330 Resp: 108077

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

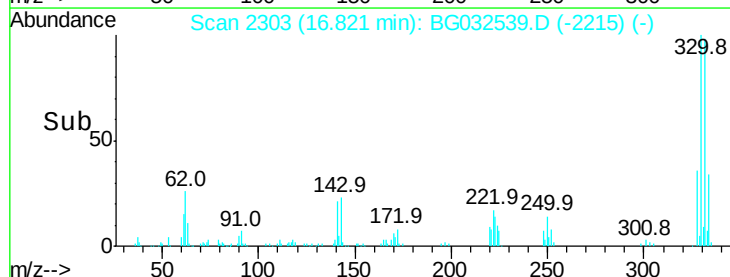
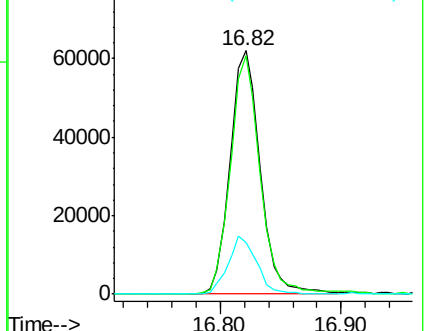
141 22.4 25.2 37.8#

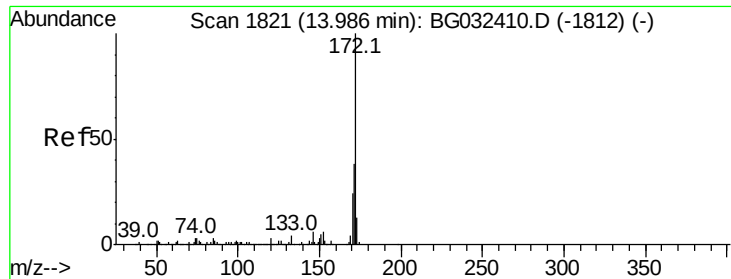


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

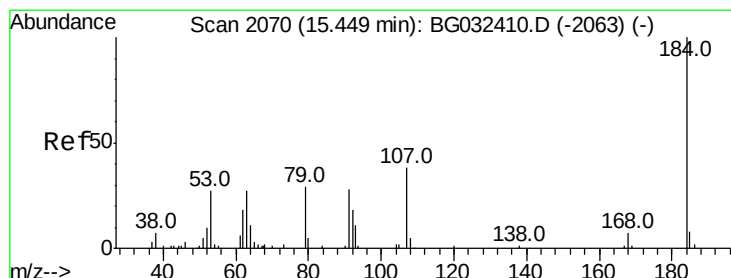
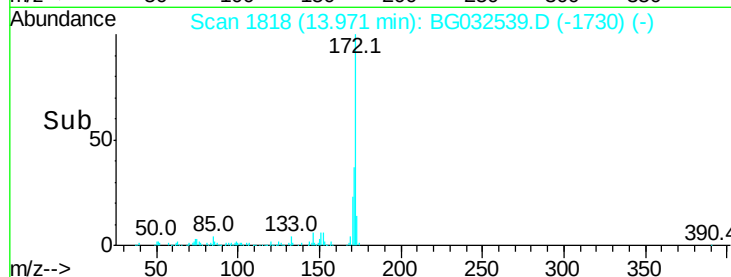
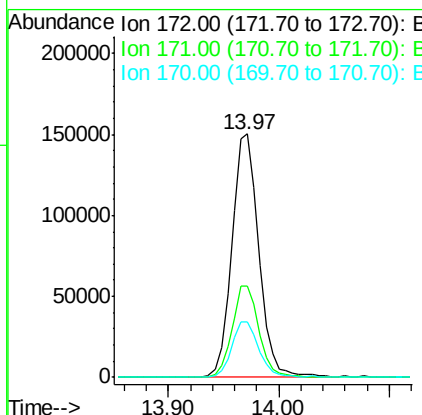
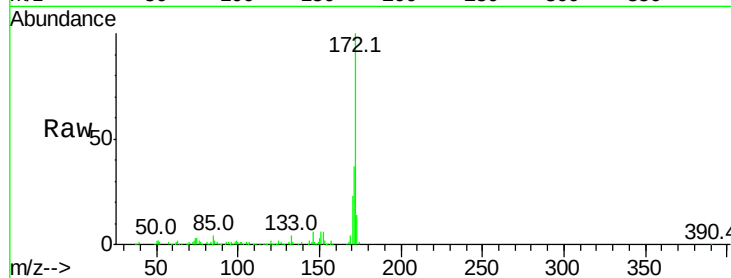




#44
2-Fluorobiphenyl
Concen: 68.229 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BG032539.D
Acq: 5 Feb 2018 18:25

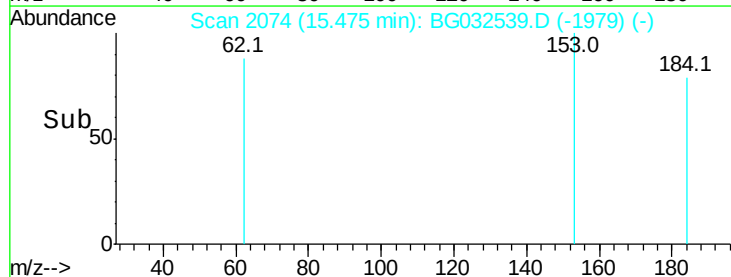
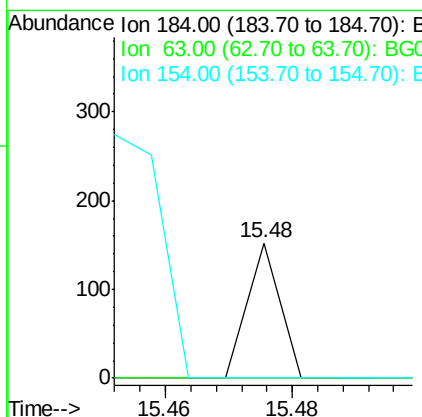
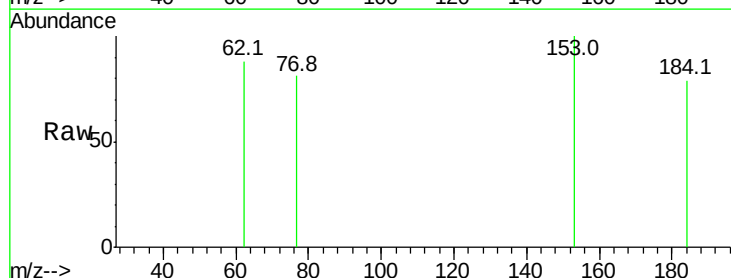
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

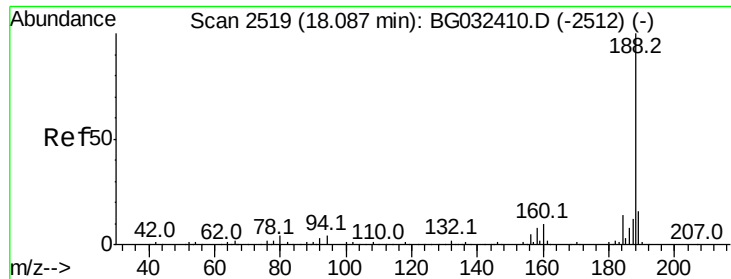
Tot Ion:172 Resp: 257231
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 22.6 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 4.199 ng
RT: 15.48 min Scan# 2074
Delta R.T. 0.03 min
Lab File: BG032539.D
Acq: 5 Feb 2018 18:25

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

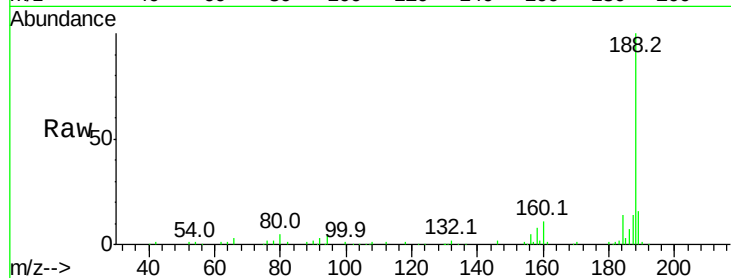
Tot Ion:188 Resp: 117140

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

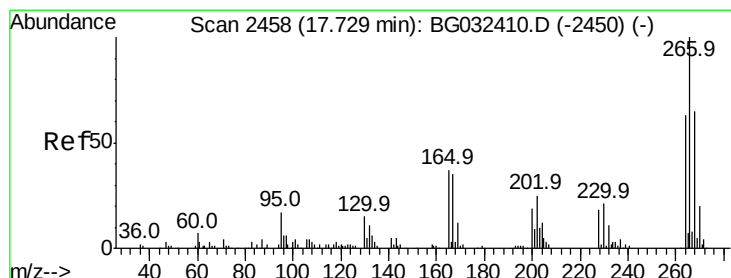
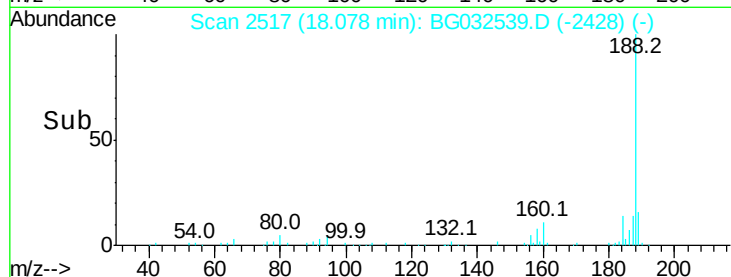
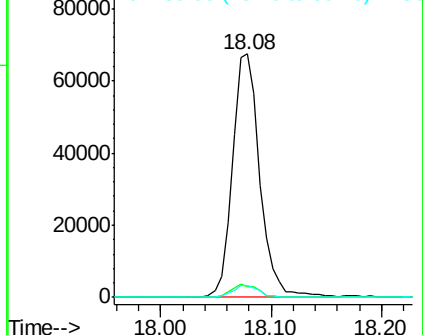
80 5.1 7.7 11.5#



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



#69

Pentachlorophenol

Concen: 2.604 ng

RT: 17.71 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

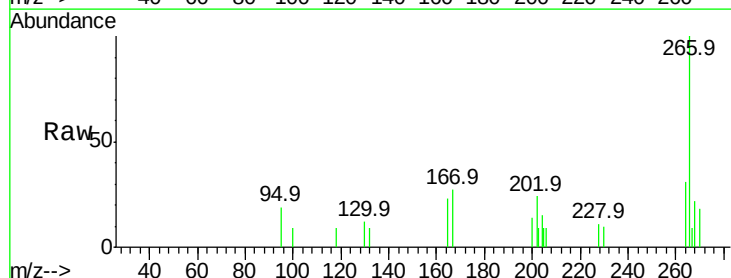
Tgt Ion:266 Resp: 3133

Ion Ratio Lower Upper

266 100

268 22.1 51.1 76.7#

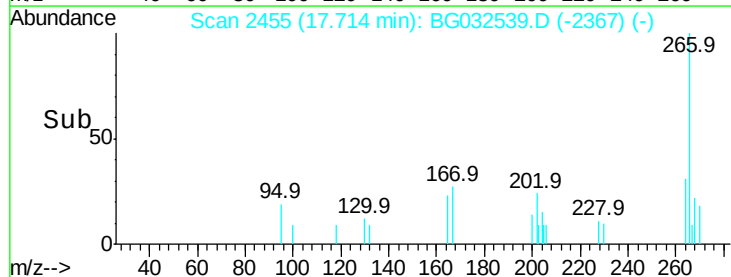
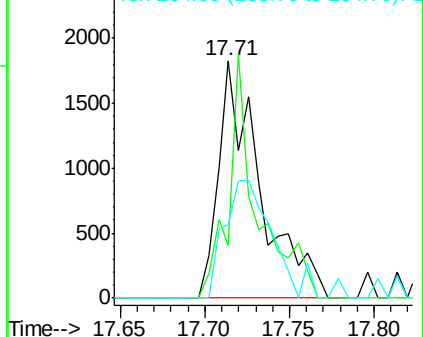
264 30.9 49.6 74.4#

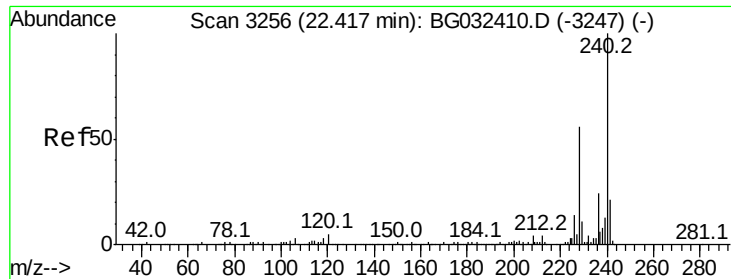


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.40 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

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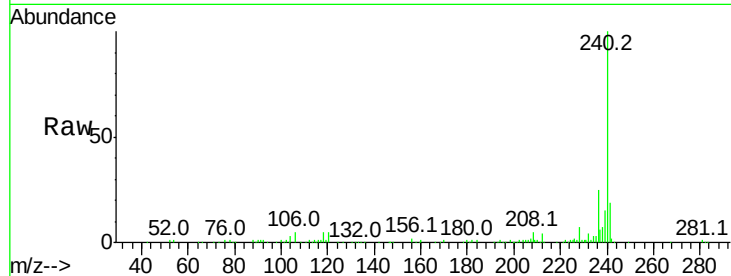
Tot Ion:240 Resp: 156217

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

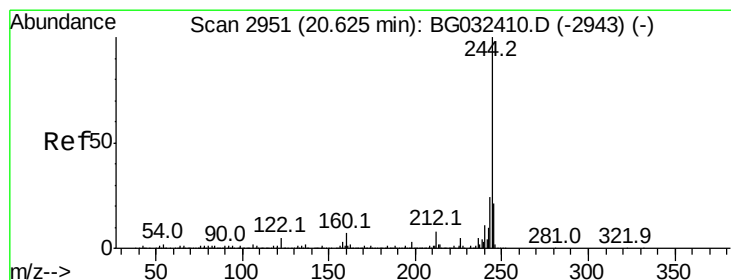
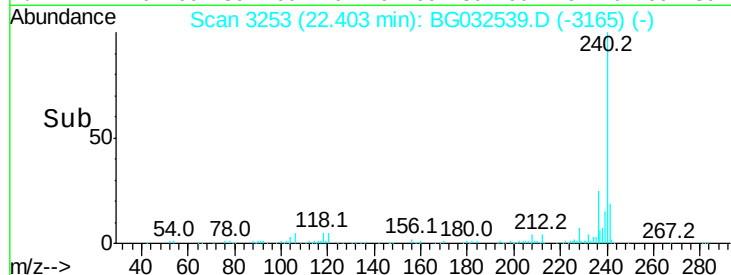
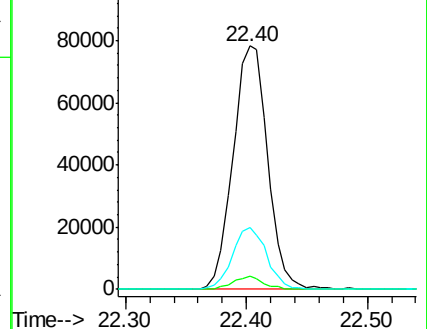
236 25.3 20.9 31.3



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



#78

Terphenyl-d14

Concen: 75.007 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032539.D

Acq: 5 Feb 2018 18:25

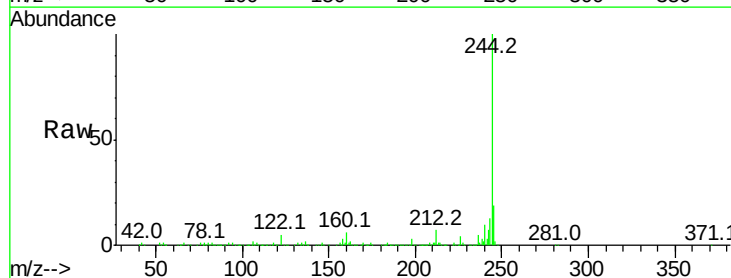
Tgt Ion:244 Resp: 547008

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

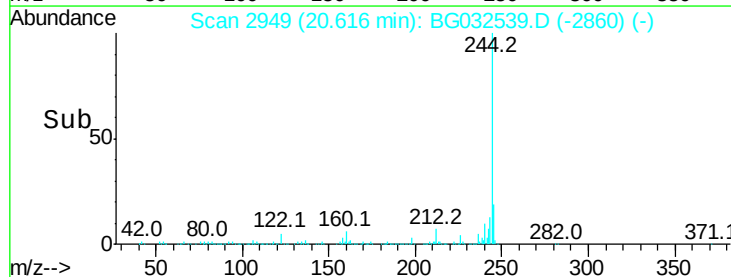
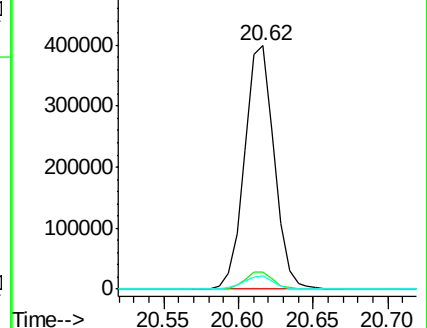
122 5.2 7.0 10.4#

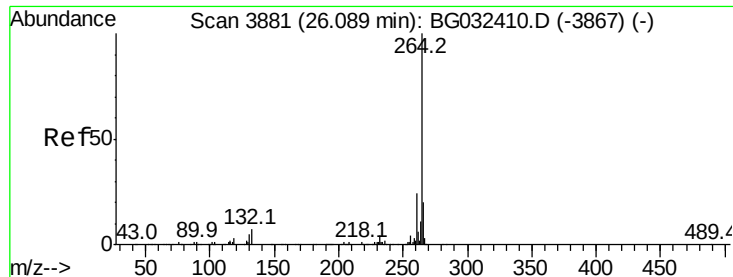


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

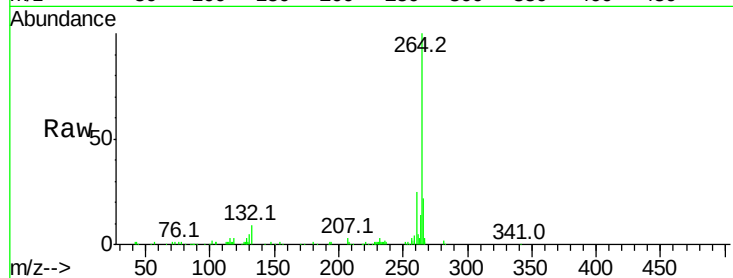




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.07 min Scan# 3878
Delta R.T. -0.01 min
Lab File: BG032539.D
Acq: 5 Feb 2018 18:25

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.4	26.0
265	21.6	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

