

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021639.D
 Acq On : 14 Apr 2016 4:18
 Operator : UM/SJ
 Sample : PB89789BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 14 05:11:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

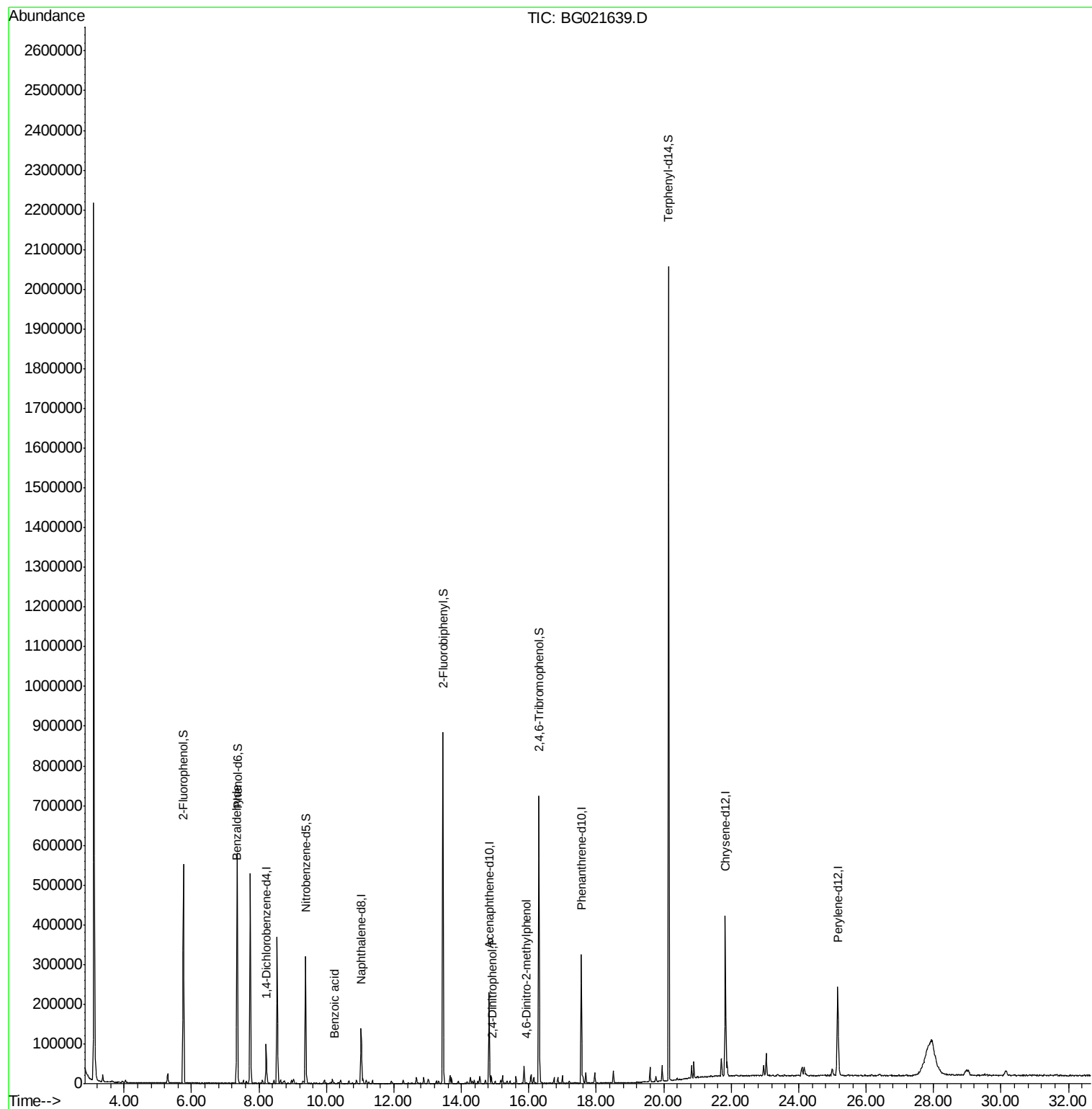
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	27299	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	122058	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	80315	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	204368	20.00	ng	0.00
75) Chrysene-d12	21.83	240	240586	20.00	ng	0.00
86) Perylene-d12	25.16	264	231818	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	234334	142.95	ng	0.00
7) Phenol-d6	7.36	99	337096	137.66	ng	0.00
23) Nitrobenzene-d5	9.38	82	199830	84.15	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	123991	143.24	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	470801	85.89	ng	0.00
78) Terphenyl-d14	20.15	244	854945	88.67	ng	0.00
Target Compounds						
9) Benzaldehyde	7.34	77	3698	2.61	ng	Qvalue 84
32) Benzoic acid	10.23	122	114	4.37	ng	# 36
53) 2,4-Dinitrophenol	14.92	184	70	7.58	ng	# 51
64) 4,6-Dinitro-2-methylphenol	15.92	198	683	6.11	ng	# 61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

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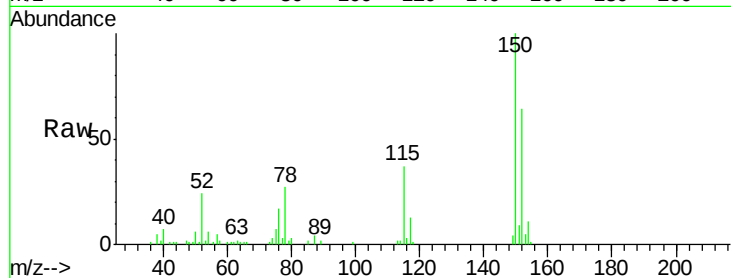
Tgt Ion:152 Resp: 27299

Ion Ratio Lower Upper

152 100

150 157.4 130.1 195.1

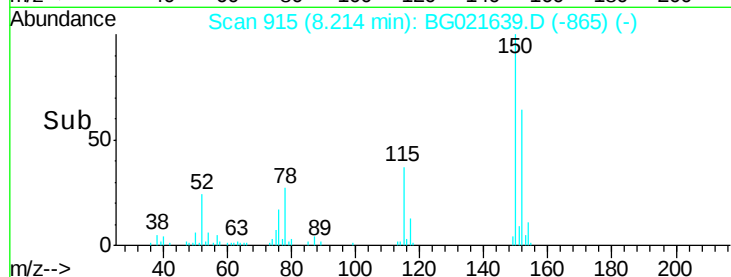
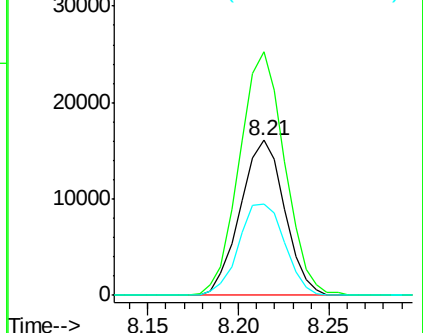
115 58.8 62.2 93.2#



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: 142.95 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

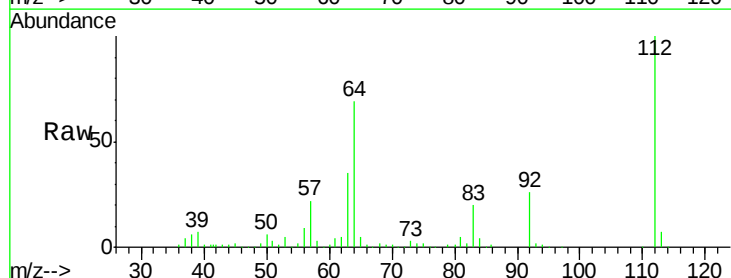
Tgt Ion:112 Resp: 234334

Ion Ratio Lower Upper

112 100

64 68.8 51.1 76.7

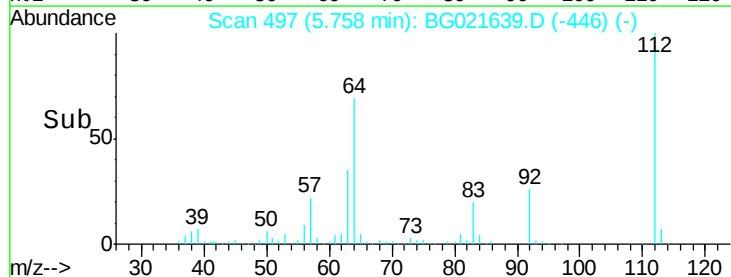
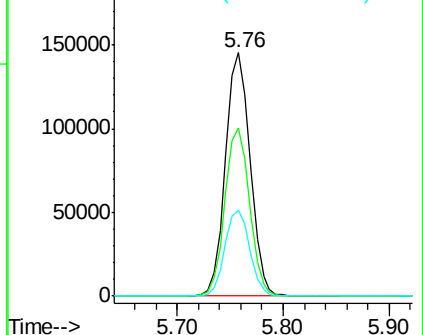
63 35.2 24.6 37.0

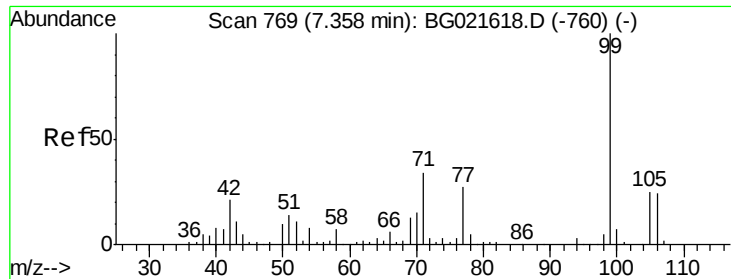


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 137.66 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

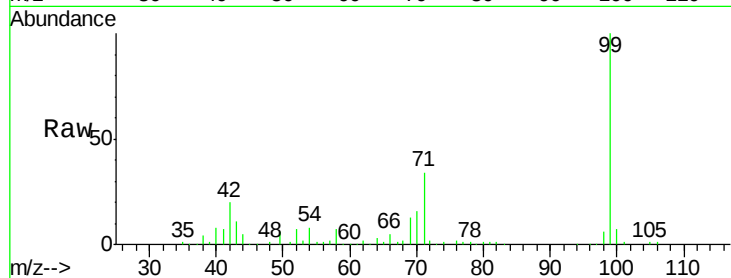
Tgt Ion: 99 Resp: 337096

Ion Ratio Lower Upper

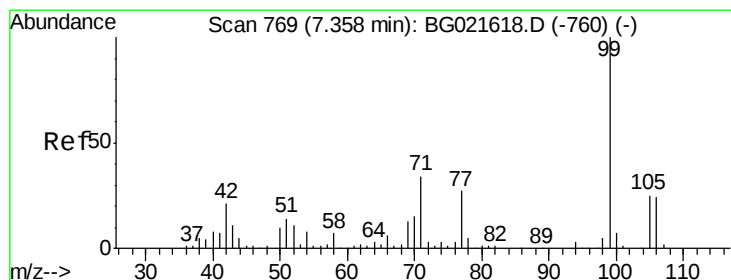
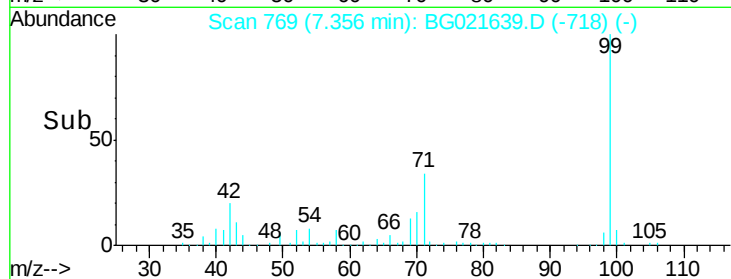
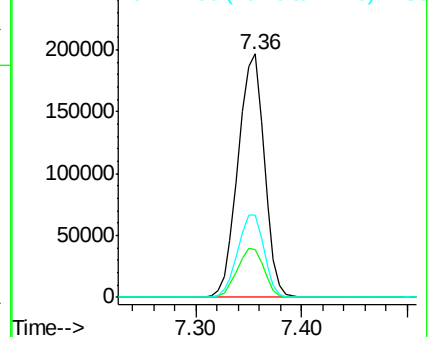
99 100

42 19.8 16.4 24.6

71 33.8 25.0 37.4



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



#9

Benzaldehyde

Concen: 2.61 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

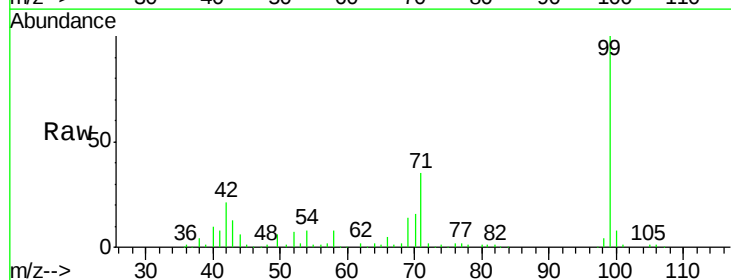
Tgt Ion: 77 Resp: 3698

Ion Ratio Lower Upper

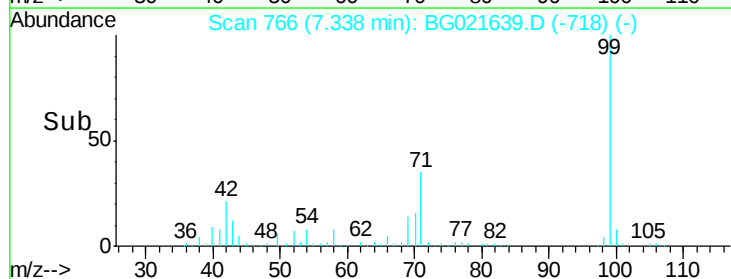
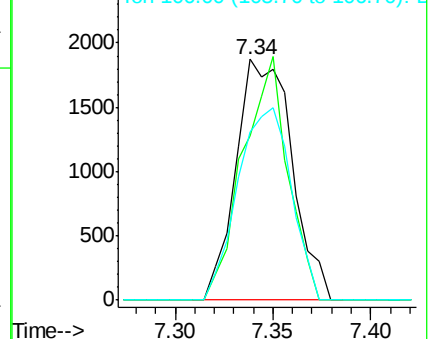
77 100

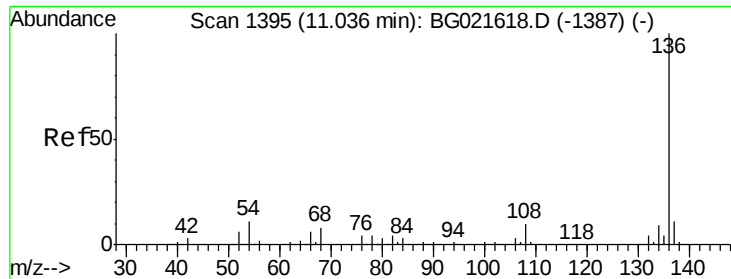
105 68.0 62.1 102.1

106 69.8 65.6 105.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

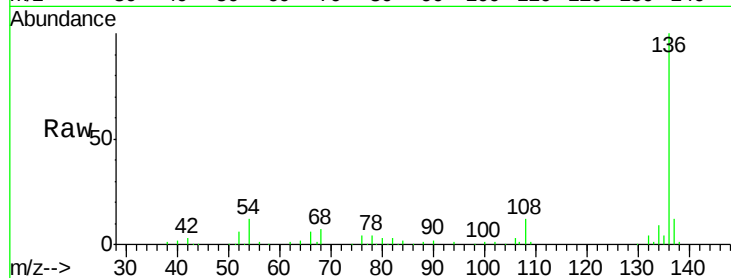




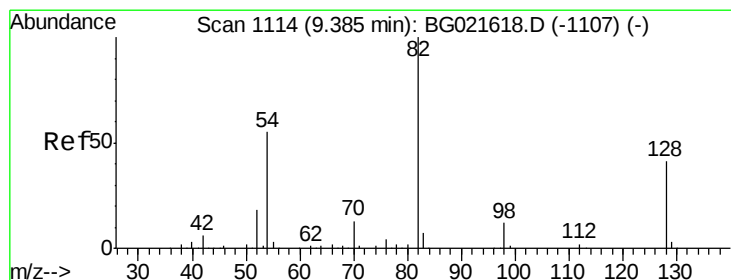
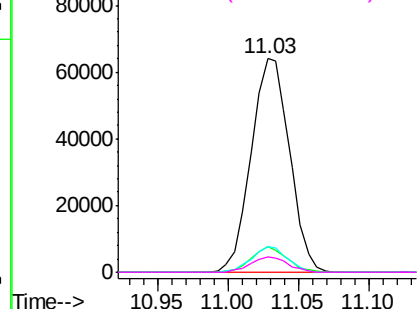
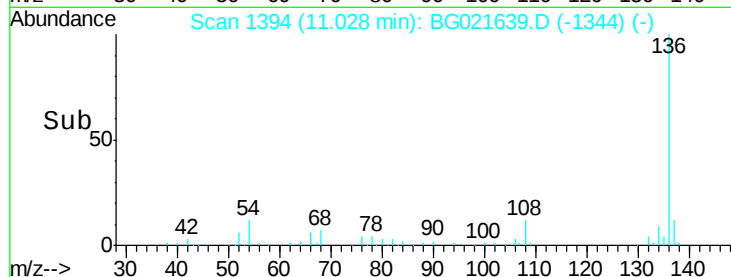
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021639.D
Acq: 14 Apr 2016 4:18

Instrument :
BNA_G
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LOD-SOIL2016-01

Tgt Ion:	136	Resp:	122058
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.4
54	11.8	9.6	14.4
68	7.4	6.4	9.6

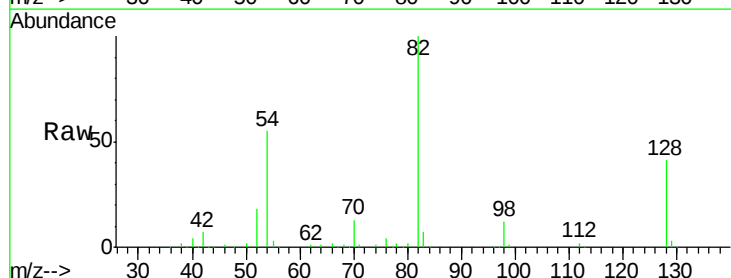


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

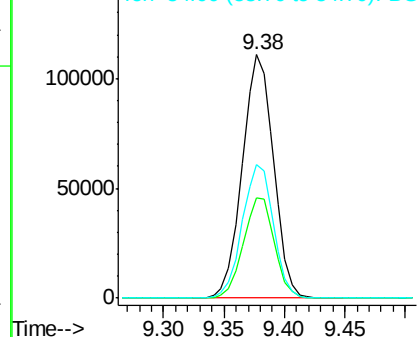
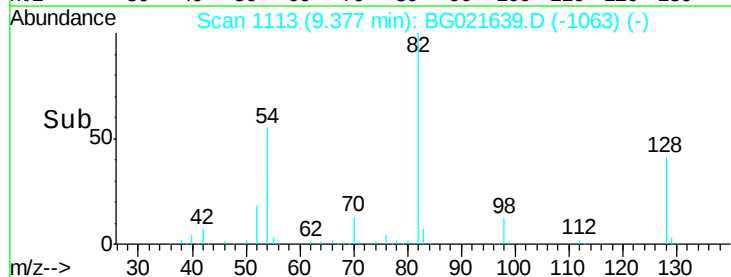


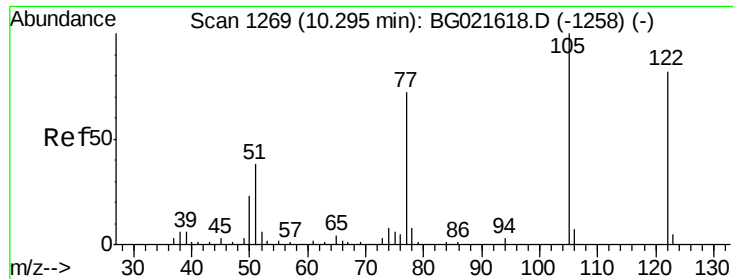
#23
Nitrobenzene-d5
Concen: 84.15 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021639.D
Acq: 14 Apr 2016 4:18

Tgt Ion:	82	Resp:	199830
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.4	50.0
54	54.8	46.1	69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 4.37 ng

RT: 10.23 min Scan# 1259

Delta R.T. -0.06 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

Instrument :

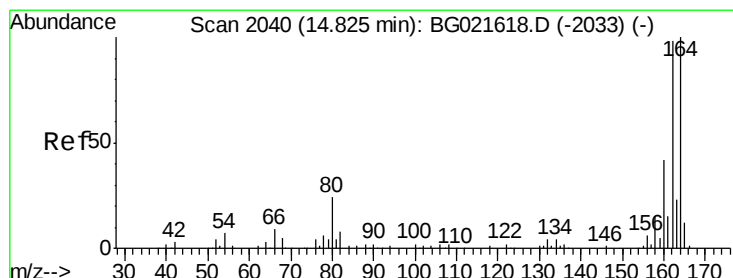
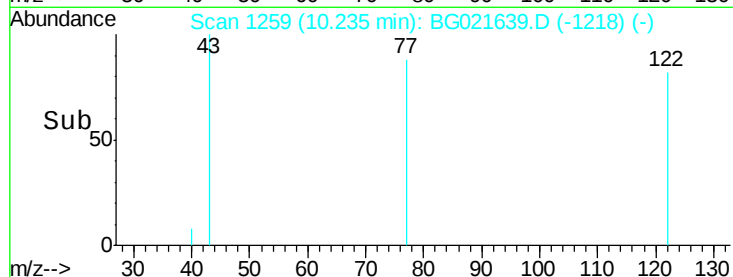
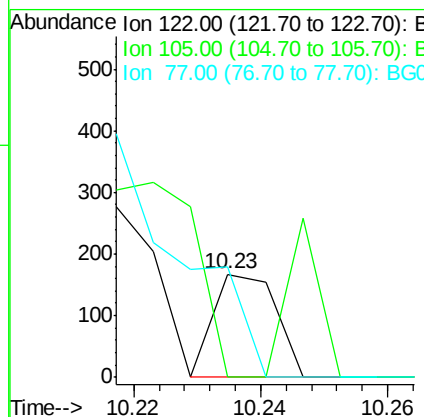
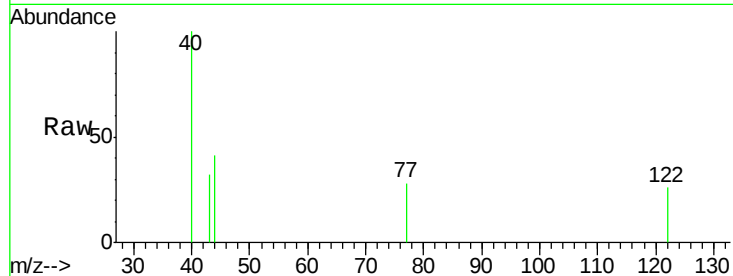
BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:122 Resp: 114

Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.5	144.5#
77	107.2	79.9	119.9



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

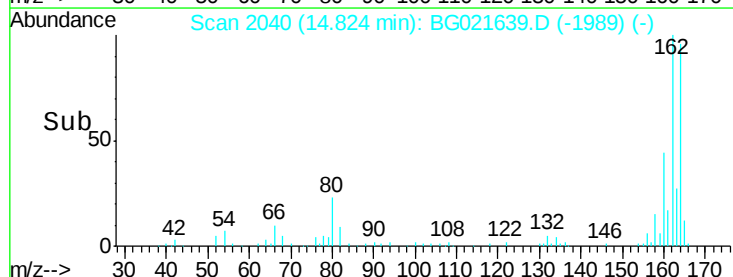
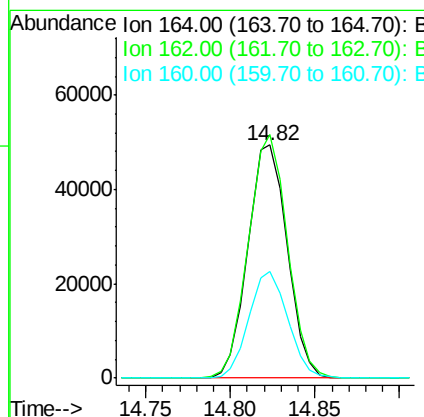
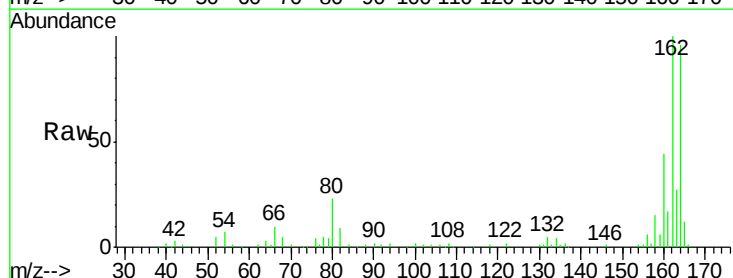
Delta R.T. -0.00 min

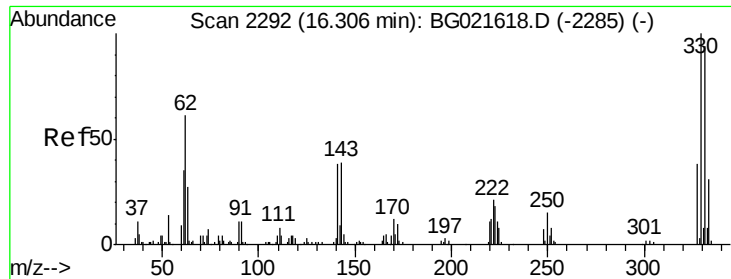
Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

Tgt Ion:164 Resp: 80315

Ion	Ratio	Lower	Upper
164	100		
162	104.4	78.0	117.0
160	45.6	32.9	49.3

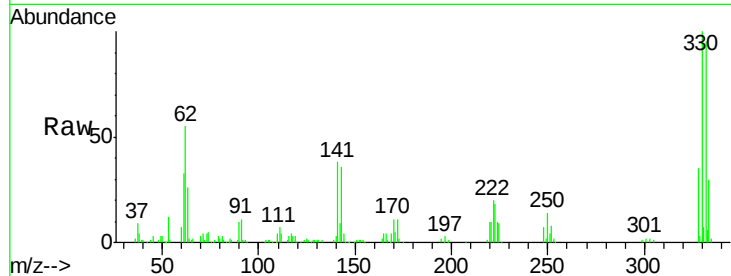




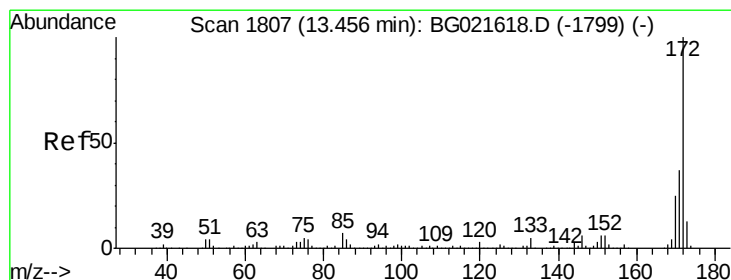
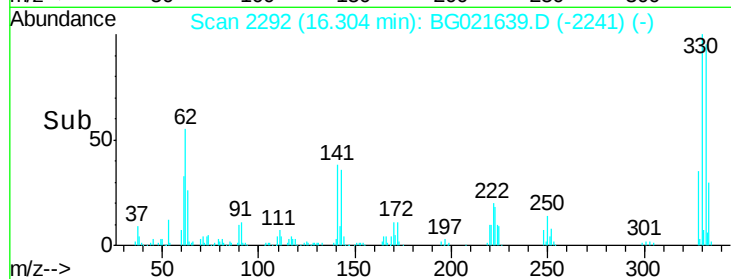
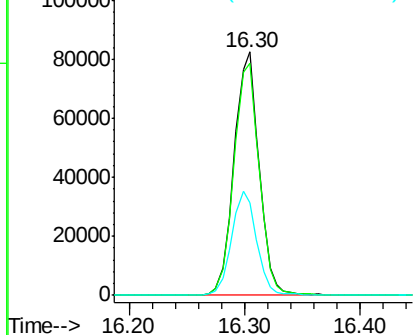
#41
 2,4,6-Tribromophenol
 Concen: 143.24 ng
 RT: 16.30 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BG021639.D
 Acq: 14 Apr 2016 4:18

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	42.6	33.8	50.8

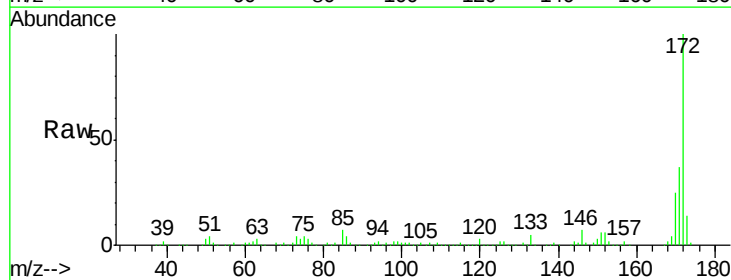


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

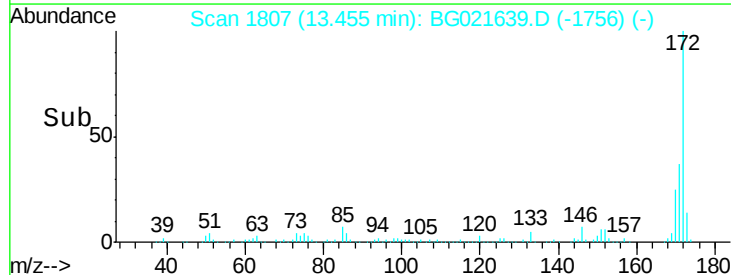
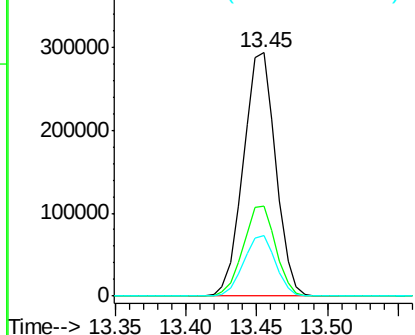


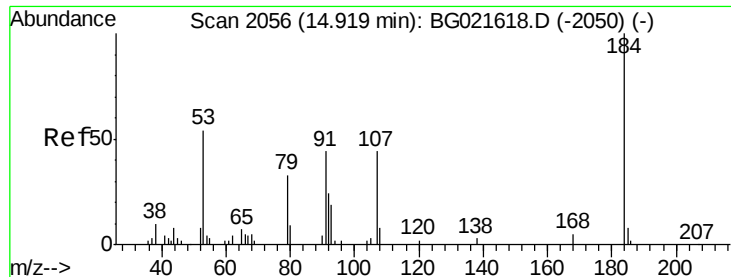
#44
 2-Fluorobiphenyl
 Concen: 85.89 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021639.D
 Acq: 14 Apr 2016 4:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	27.8	41.6
170	25.1	19.6	29.4



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

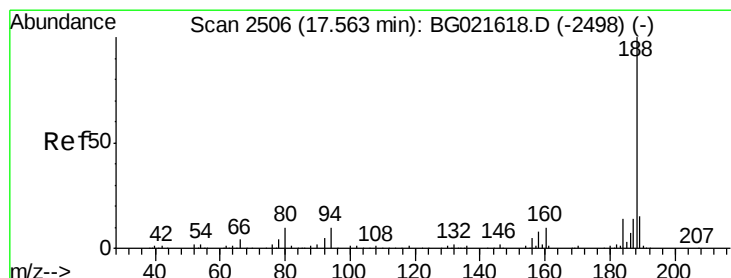
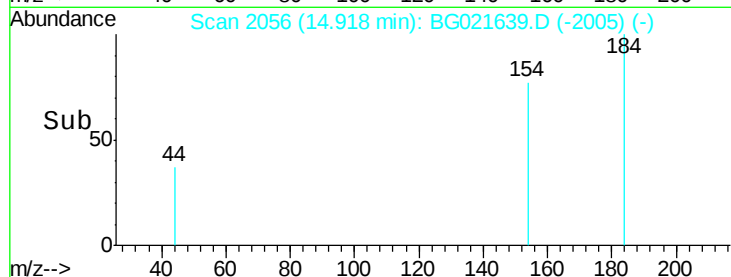
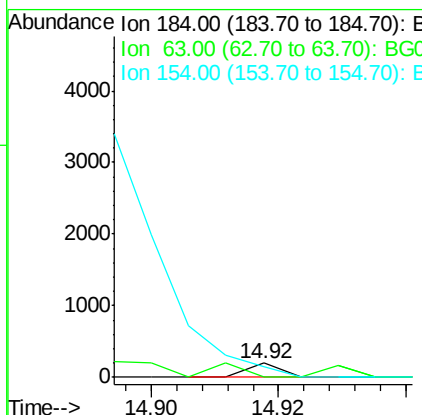
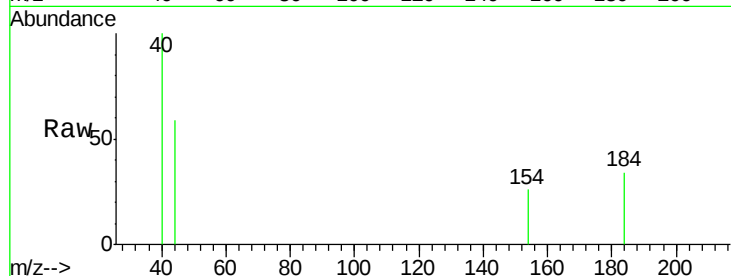




#53
2,4-Dinitrophenol
Concen: 7.58 ng
RT: 14.92 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG021639.D
Acq: 14 Apr 2016 4:18

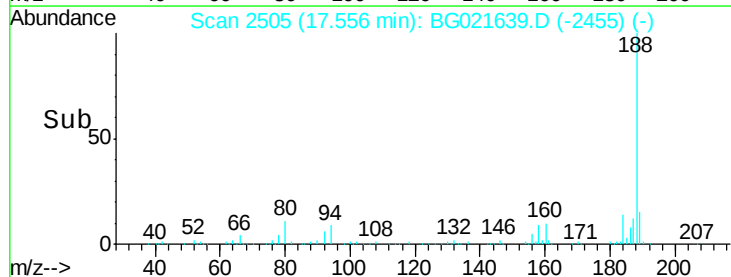
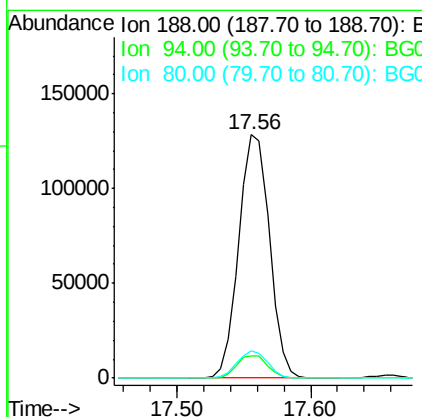
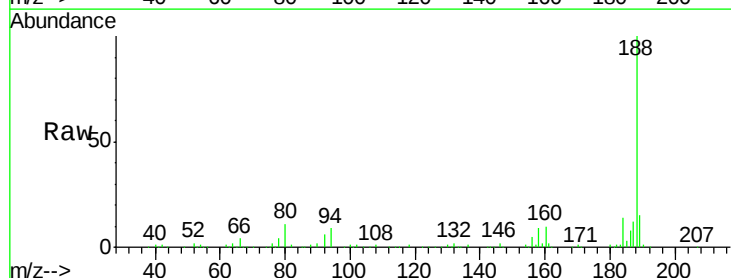
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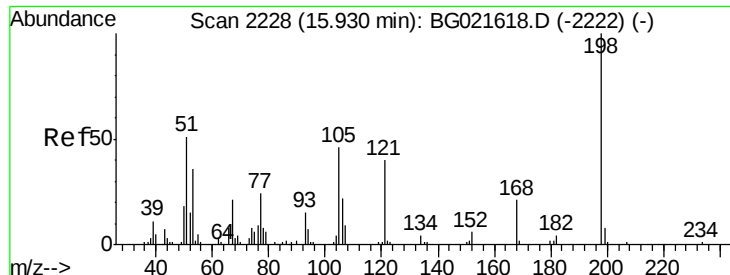
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 0.0 57.3 85.9#
154 76.8 55.2 82.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021639.D
Acq: 14 Apr 2016 4:18

Tgt Ion:188 Resp: 204368
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 11.3 8.6 13.0

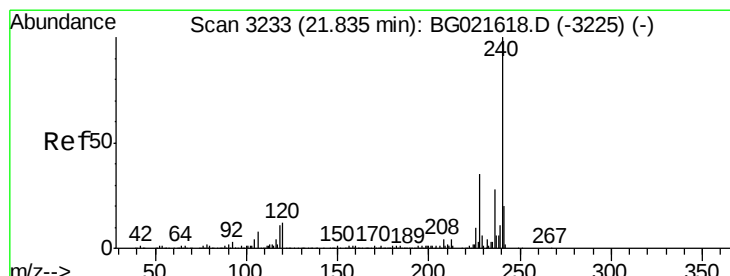
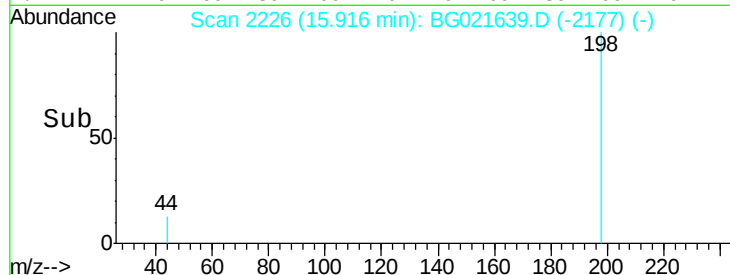
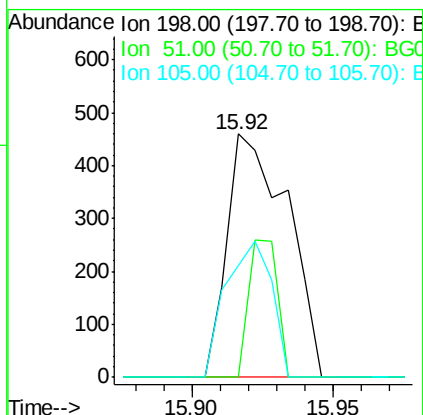
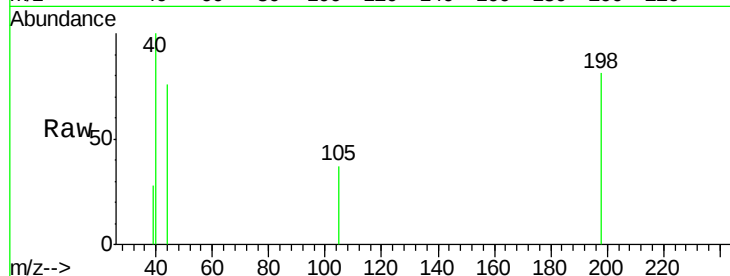




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.11 ng
 RT: 15.92 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG021639.D
 Acq: 14 Apr 2016 4:18

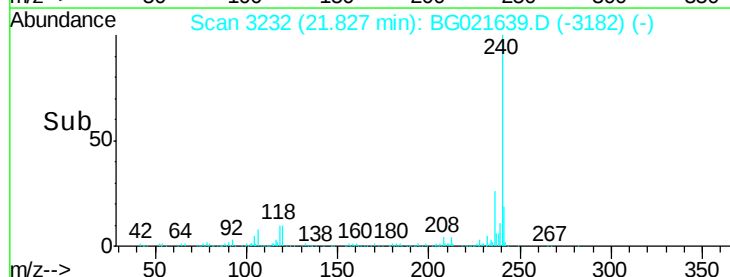
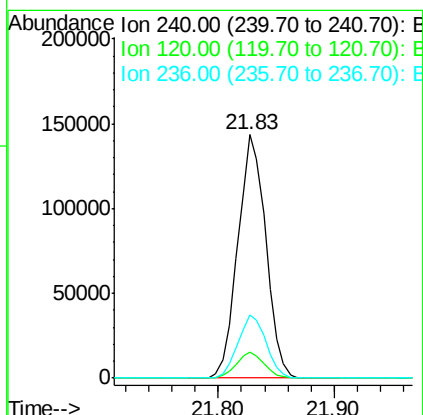
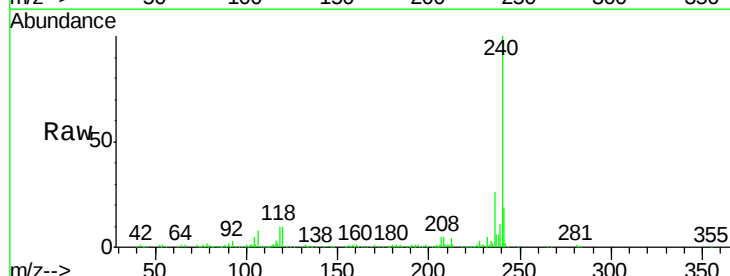
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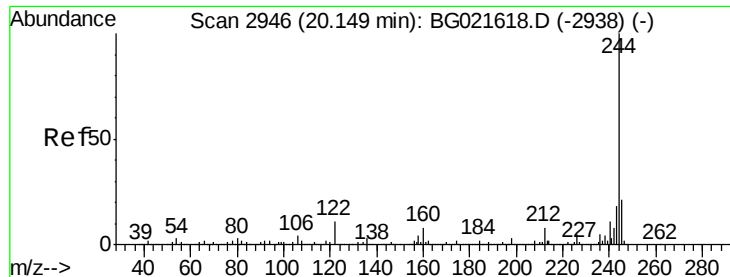
Tgt Ion:198 Resp: 683
 Ion Ratio Lower Upper
 198 100
 51 0.0 29.2 69.2#
 105 45.9 24.0 64.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG021639.D
 Acq: 14 Apr 2016 4:18

Tgt Ion:240 Resp: 240586
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.4 12.6
 236 25.8 19.6 29.4





#78

Terphenyl-d14

Concen: 88.67 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

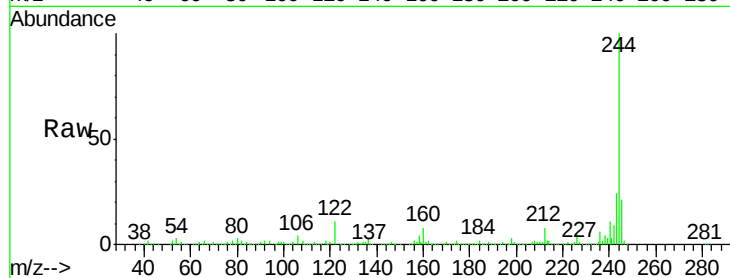
Tgt Ion:244 Resp: 854945

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

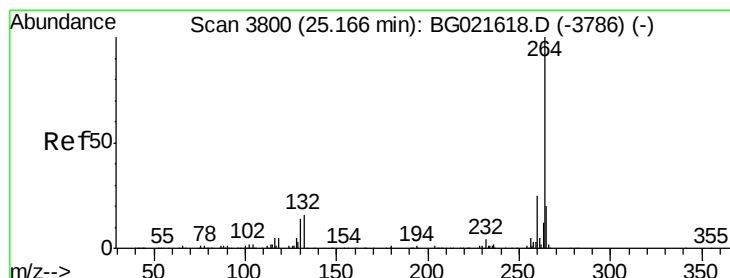
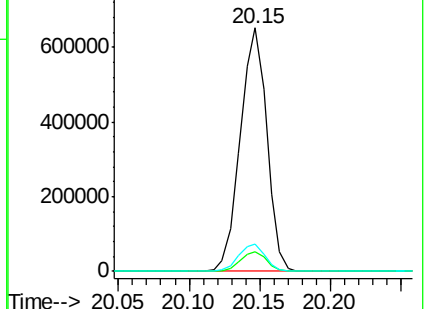
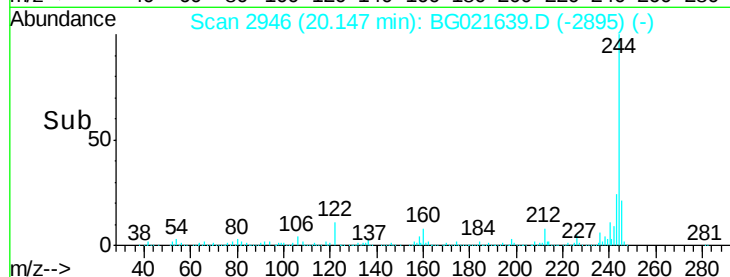
122 11.0 8.6 12.8



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: 25.16 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BG021639.D

Acq: 14 Apr 2016 4:18

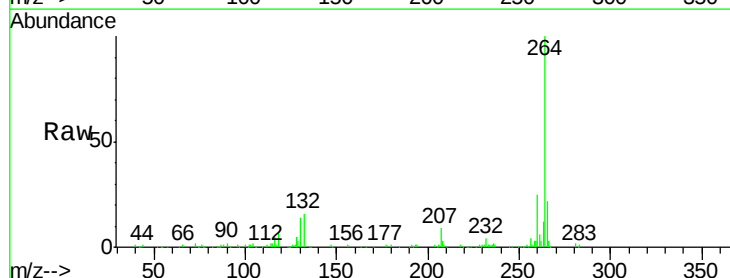
Tgt Ion:264 Resp: 231818

Ion Ratio Lower Upper

264 100

260 24.5 20.2 30.4

265 21.8 17.8 26.8



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

