

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032199.D
 Acq On : 21 Jan 2018 4:04
 Operator : SJ/JU
 Sample : J1218-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

Quant Time: Jan 22 06:21:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

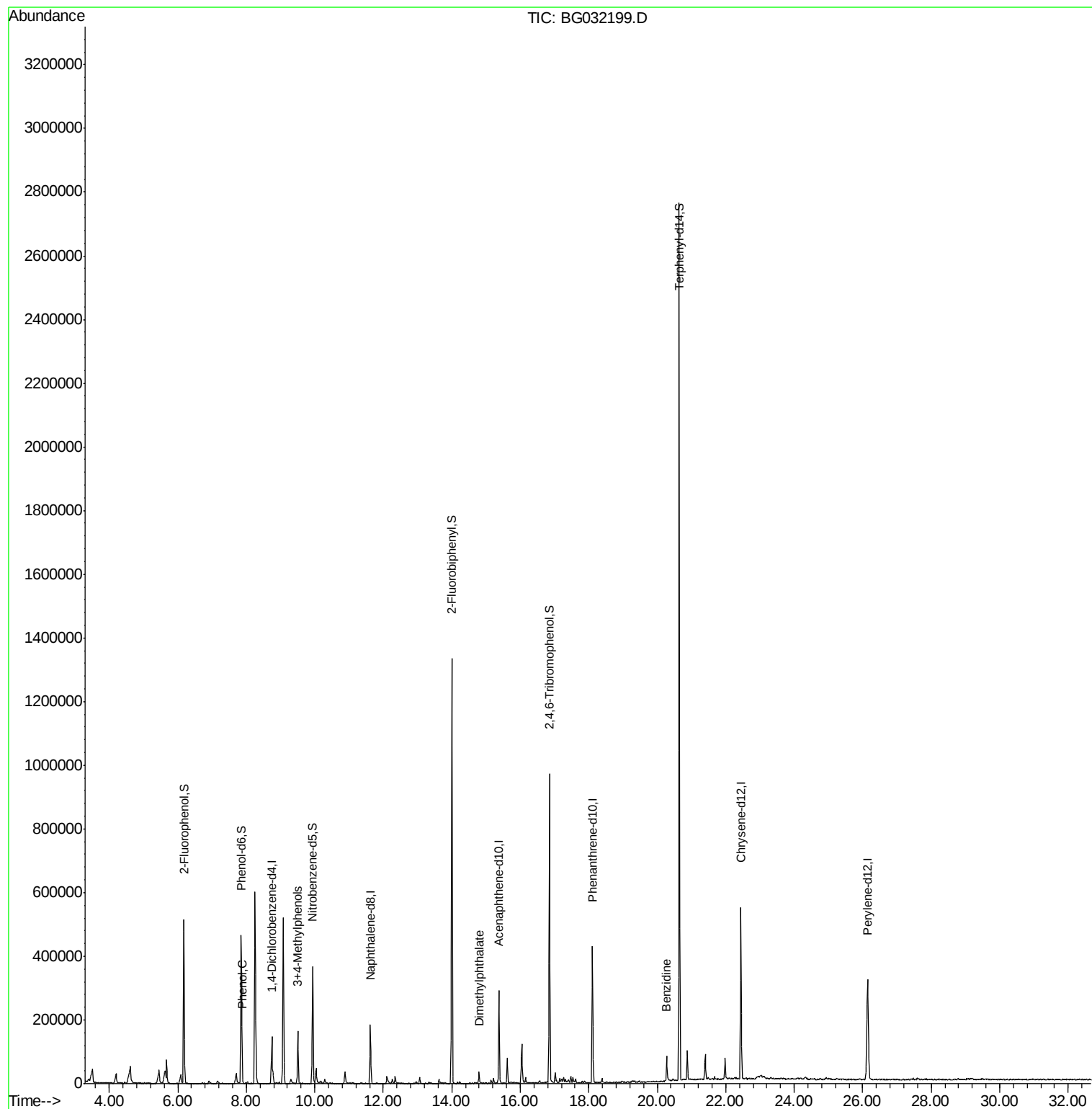
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	46897	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	180499	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	112892	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	298588	20.00	ng	0.00
75) Chrysene-d12	22.44	240	406140	20.00	ng	0.00
86) Perylene-d12	26.14	264	433906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	262114	102.22	ng	0.00
7) Phenol-d6	7.85	99	286967	88.86	ng	0.00
23) Nitrobenzene-d5	9.94	82	230500	86.40	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	226216	121.09	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	773701	84.98	ng	0.00
78) Terphenyl-d14	20.64	244	1480489	80.49	ng	0.00
Target Compounds						
10) Phenol	7.88	94	9368	2.945	ng	96
20) 3+4-Methylphenols	9.50	107	80986	24.046	ng	93
49) Dimethylphthalate	14.80	163	25900	2.622	ng	99
76) Benzidine	20.27	184	46891	4.617	ng	98

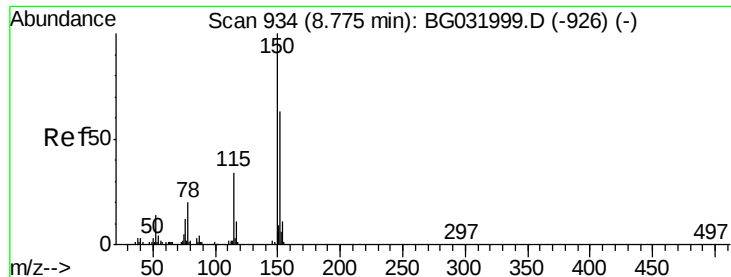
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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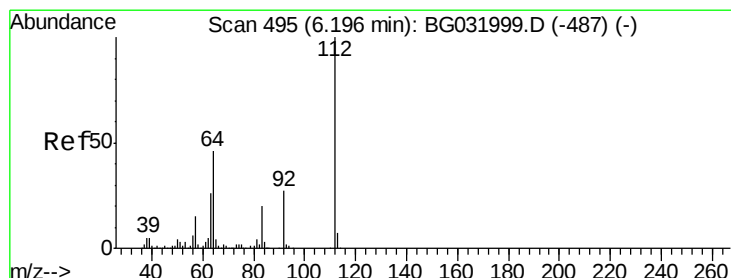
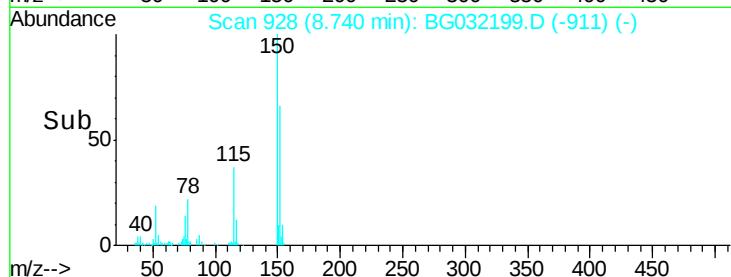
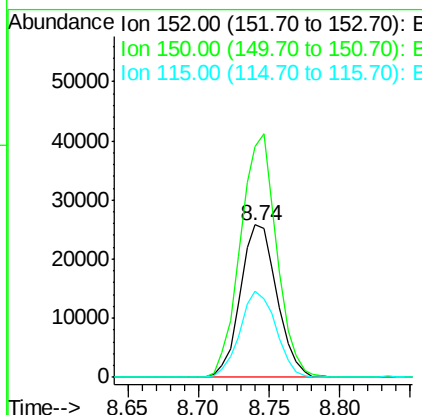
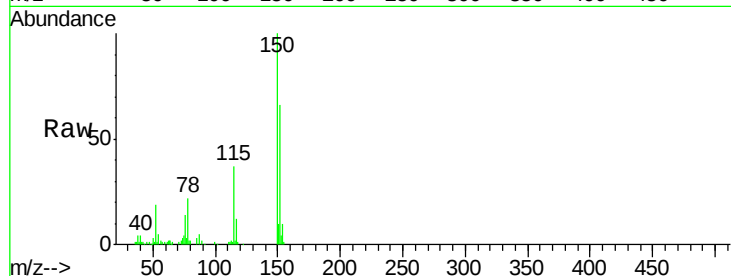


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

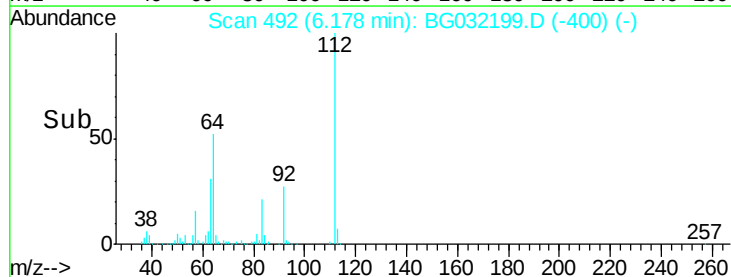
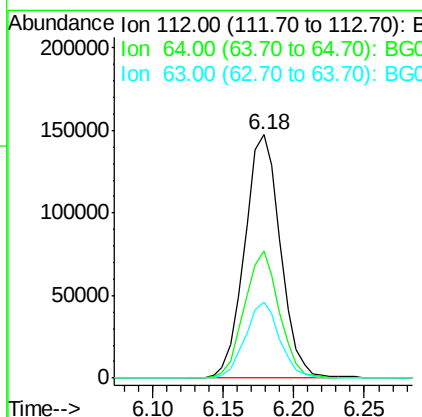
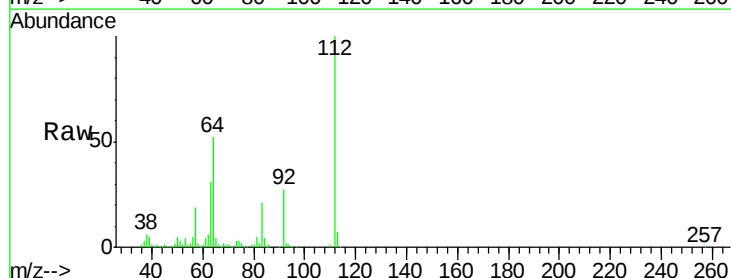
Tot Ion:152 Resp: 46897
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 56.3 53.0 79.4

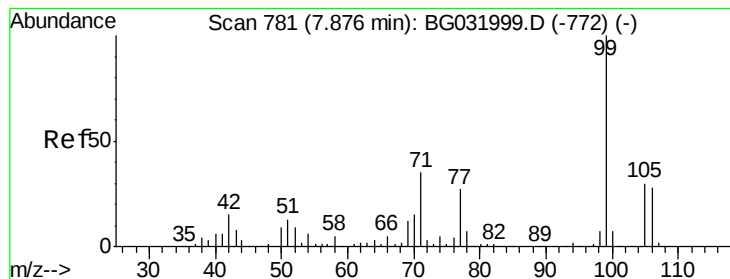


#5

2-Fluorophenol
Concen: 102.222 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion:112 Resp: 262114
Ion Ratio Lower Upper
112 100
64 52.1 56.3 84.5#
63 31.1 30.1 45.1





#7

Phenol-d6

Concen: 88.860 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

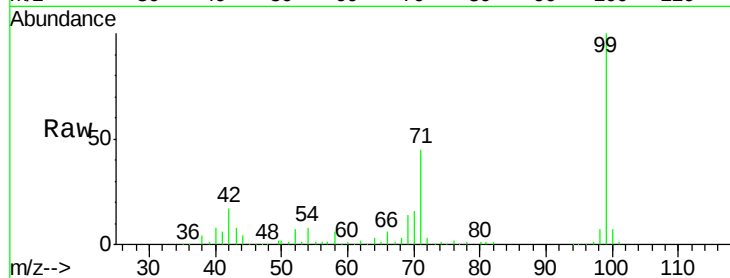
Tot Ion: 99 Resp: 286967

Ion Ratio Lower Upper

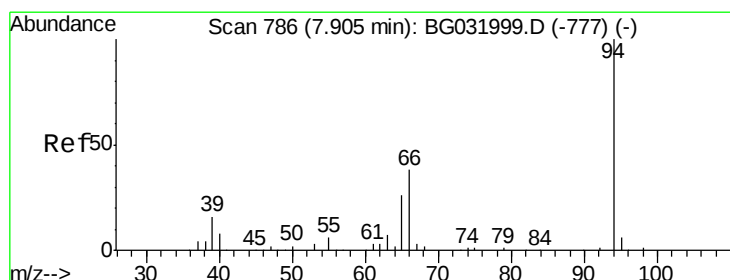
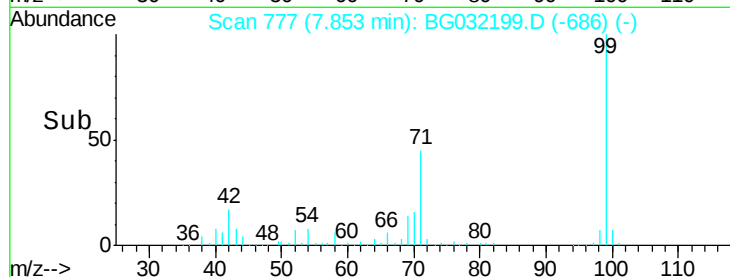
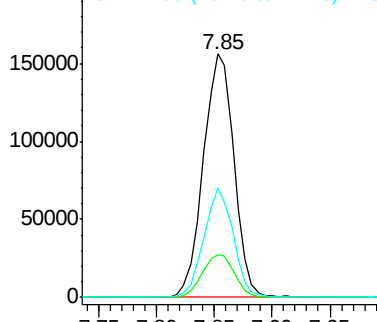
99 100

42 17.4 14.1 21.1

71 45.0 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



#10

Phenol

Concen: 2.945 ng

RT: 7.88 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

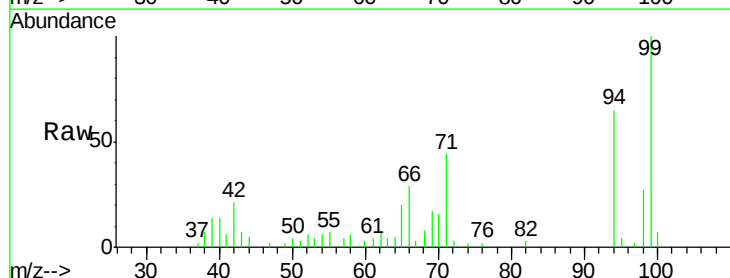
Tgt Ion: 94 Resp: 9368

Ion Ratio Lower Upper

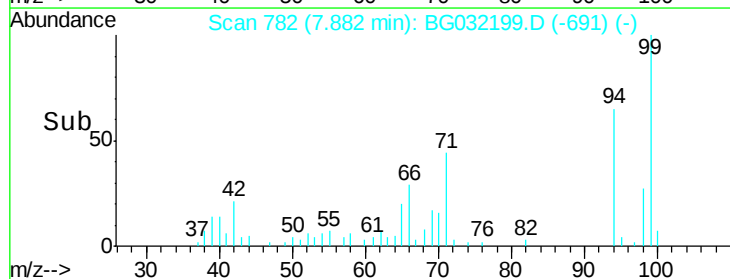
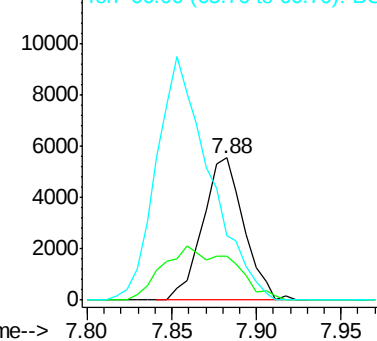
94 100

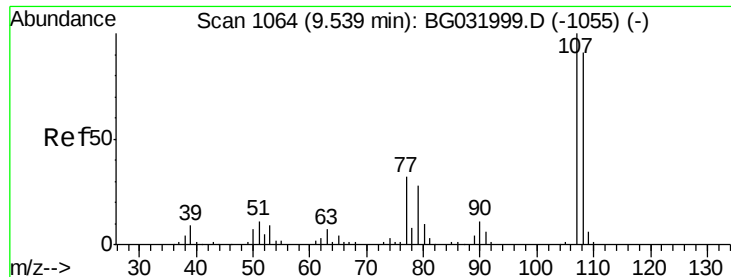
65 30.5 11.9 51.9

66 45.0 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#20

3+4-Methylphenols

Concen: 24.046 ng

RT: 9.50 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

Tot Ion:107 Resp: 80986

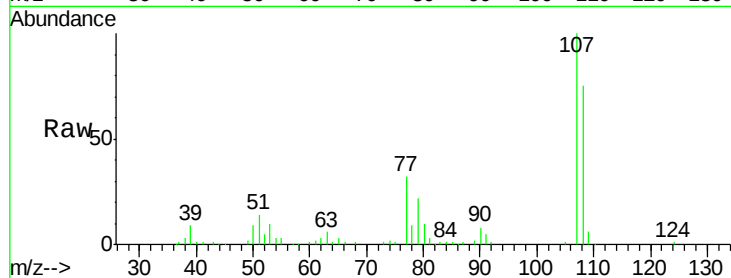
Ion Ratio Lower Upper

107 100

108 75.4 61.6 101.6

77 32.2 13.9 53.9

79 22.4 8.8 48.8

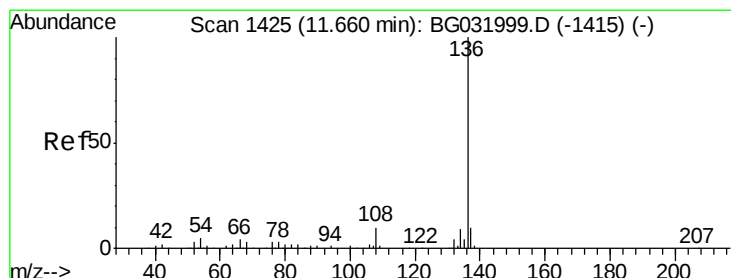
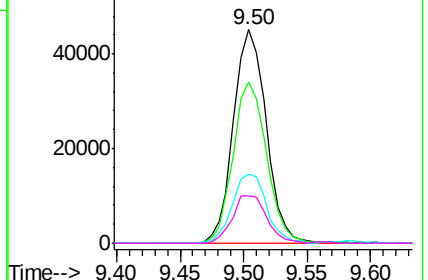
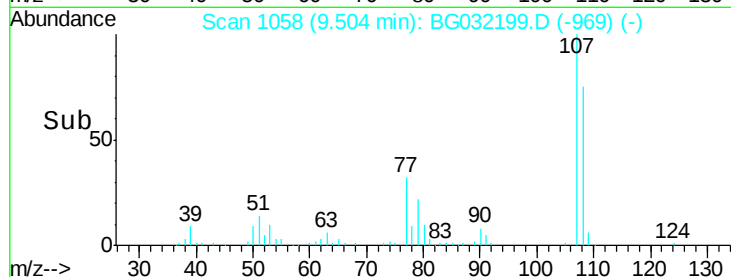


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Tgt Ion:136 Resp: 180499

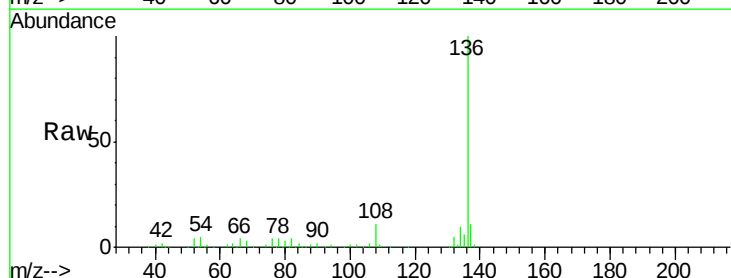
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 4.7 10.3 15.5#

68 2.8 4.5 6.7#

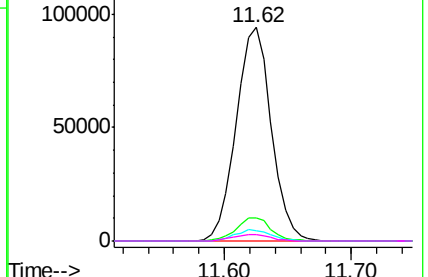
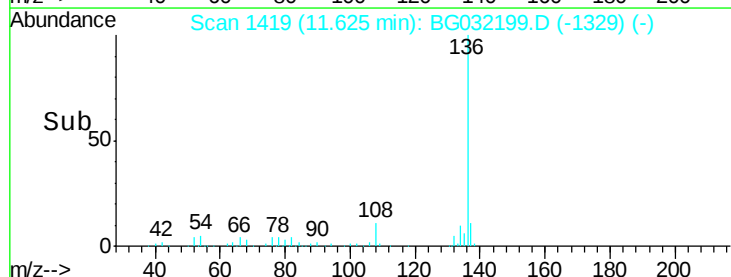


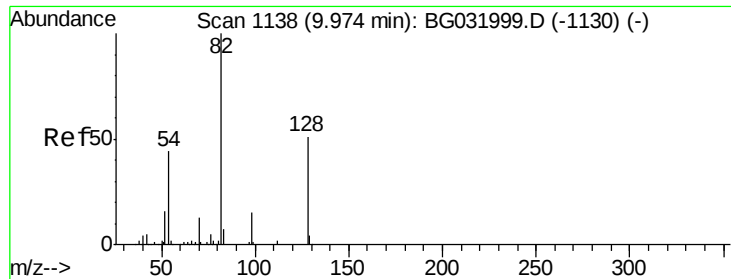
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

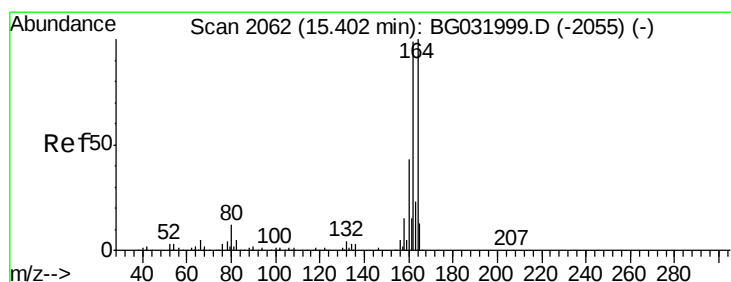
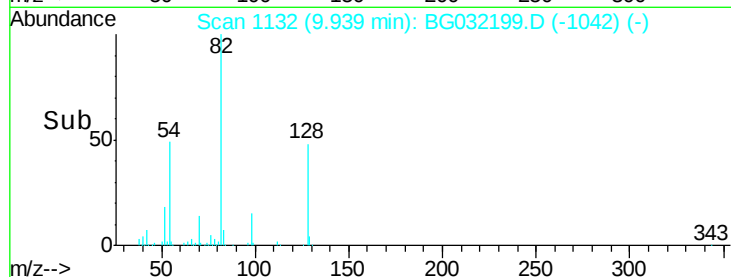
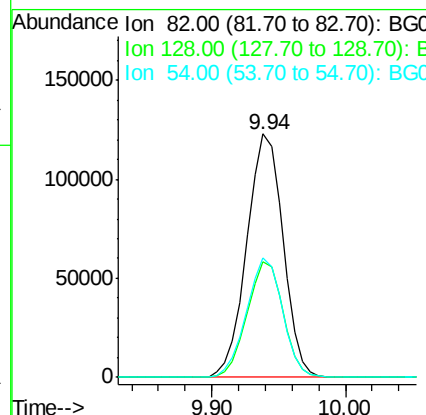
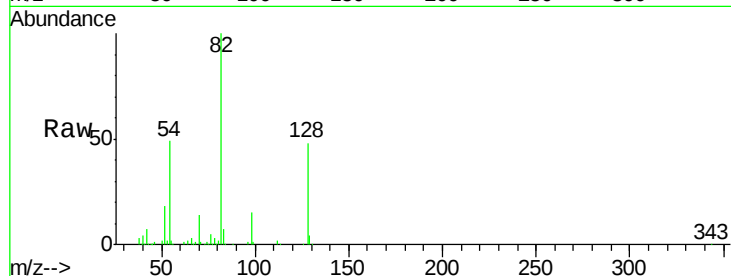




#23
 Nitrobenzene-d5
 Concen: 86.396 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

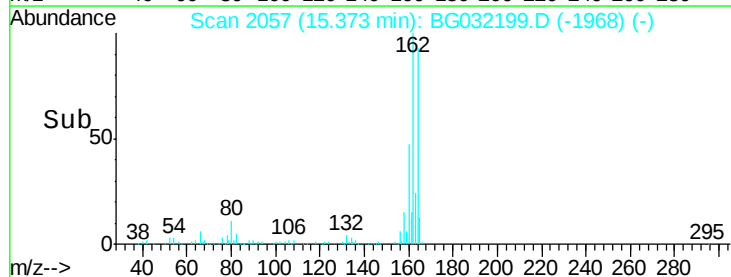
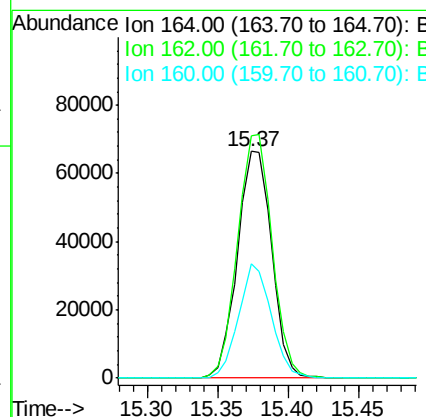
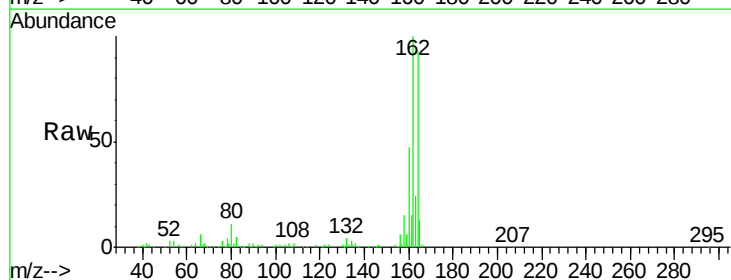
Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

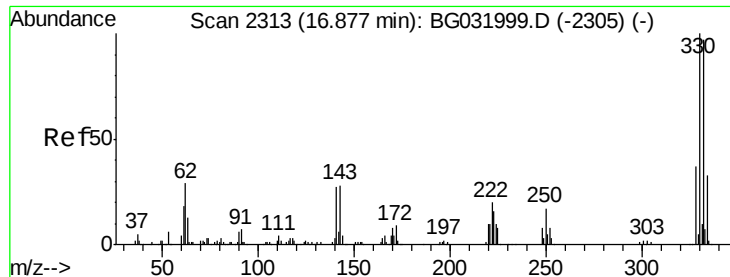
Tot Ion: 82 Resp: 230500
 Ion Ratio Lower Upper
 82 100
 128 47.5 29.7 44.5#
 54 49.0 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Tgt Ion: 164 Resp: 112892
 Ion Ratio Lower Upper
 164 100
 162 107.2 78.8 118.2
 160 50.4 35.4 53.0

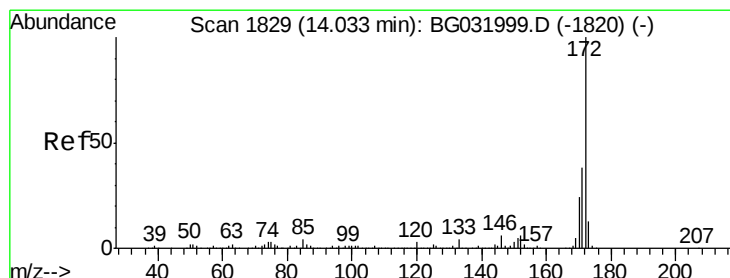
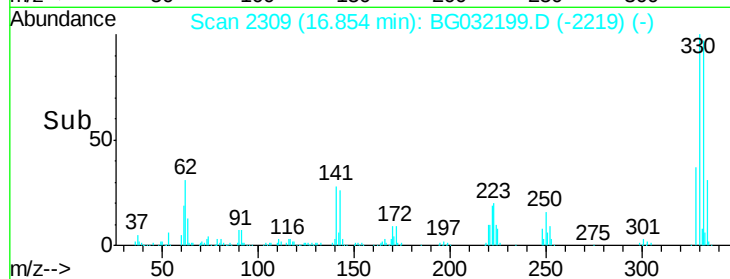
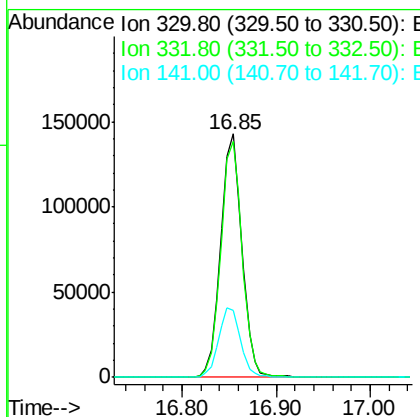
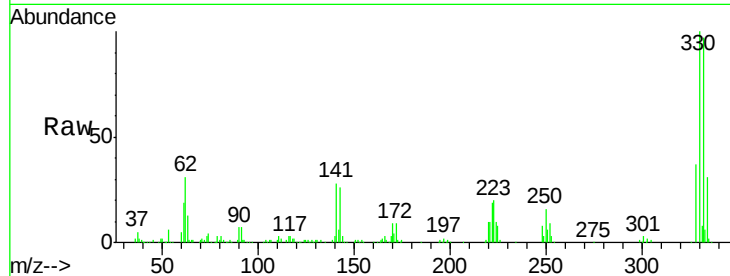




#41
 2,4,6-Tribromophenol
 Concen: 121.094 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

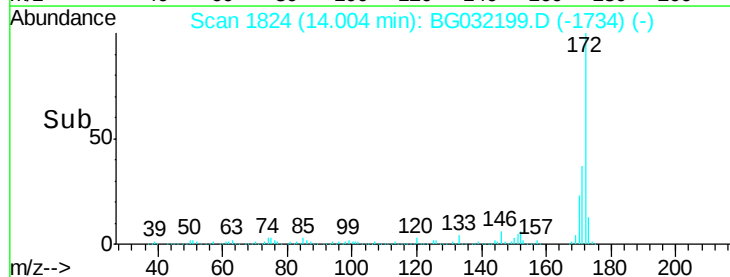
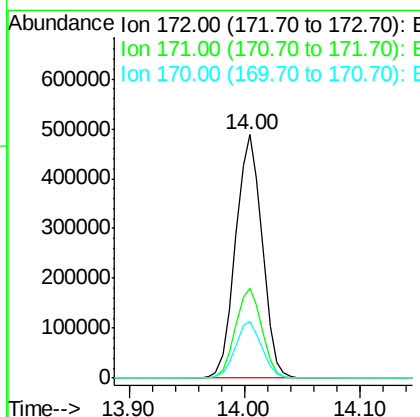
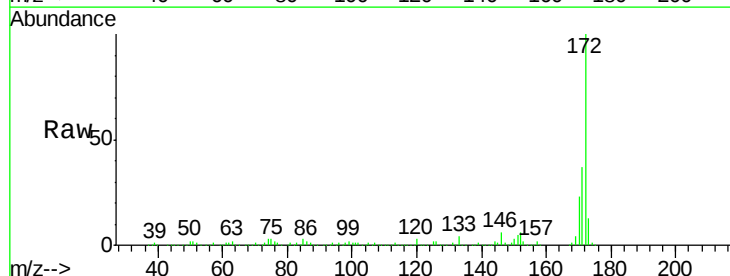
Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

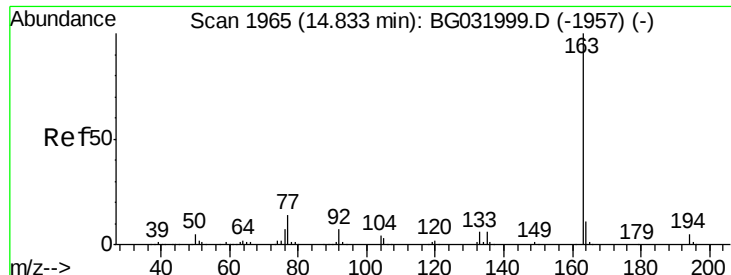
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.2	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 84.980 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.4	19.5	29.3





#49

Dimethylphthalate

Concen: 2.622 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

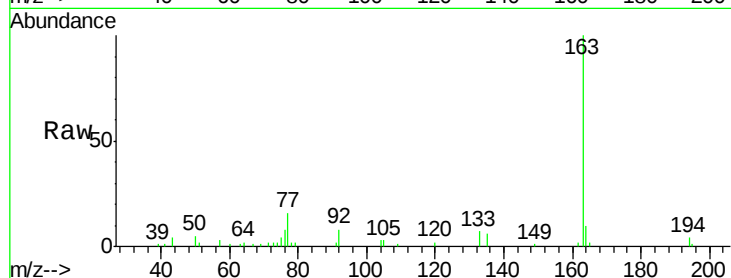
Tot Ion:163 Resp: 25900

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

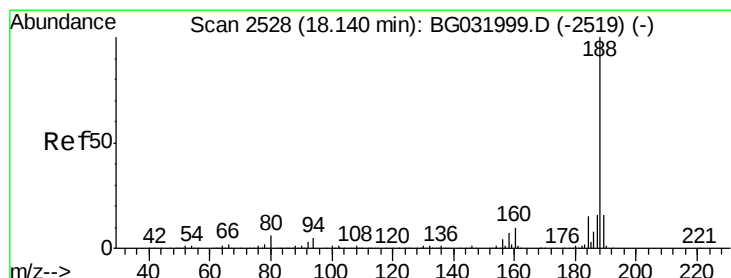
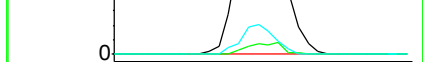
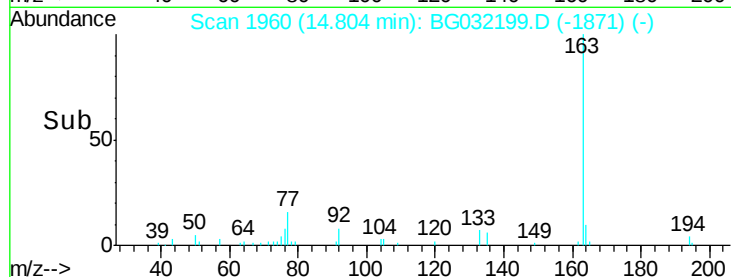
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

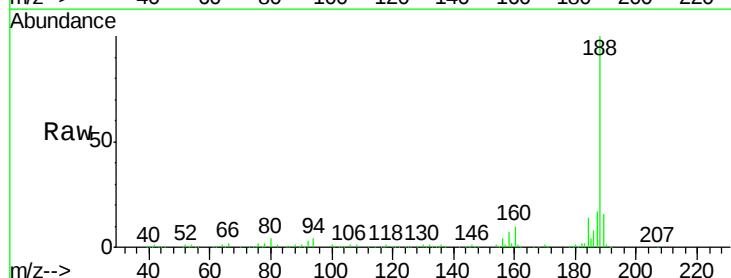
Tgt Ion:188 Resp: 298588

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

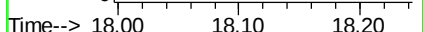
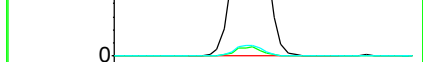
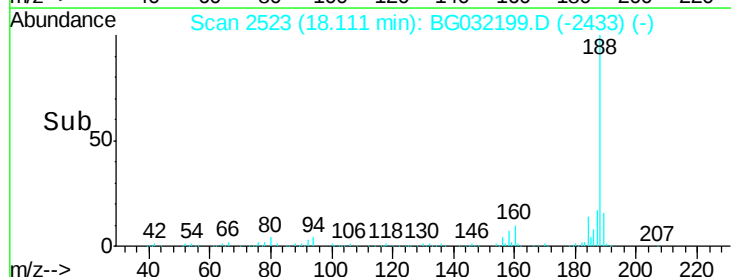
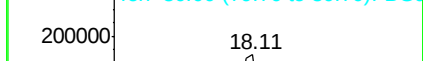
80 4.3 7.7 11.5#

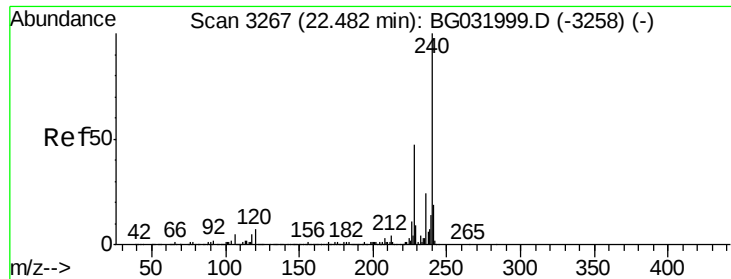


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

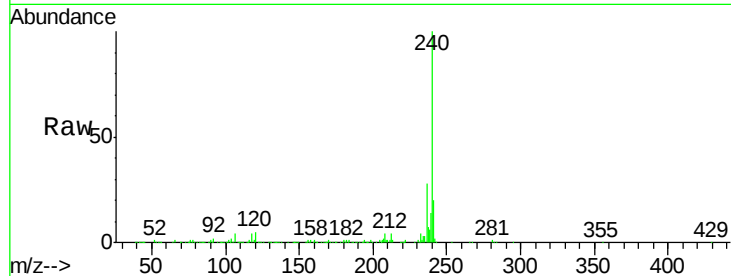
Tot Ion:240 Resp: 406140

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

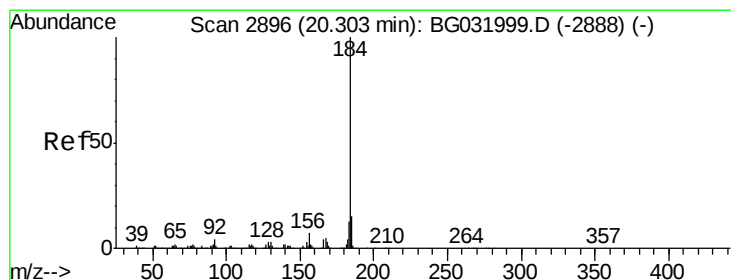
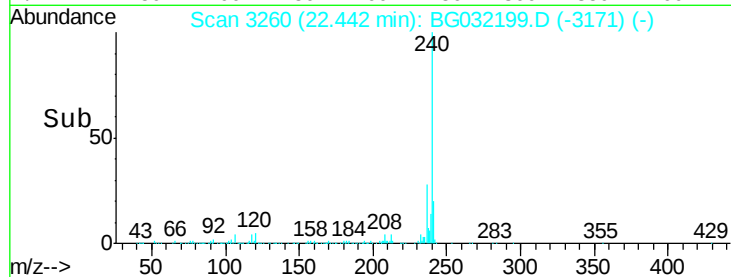
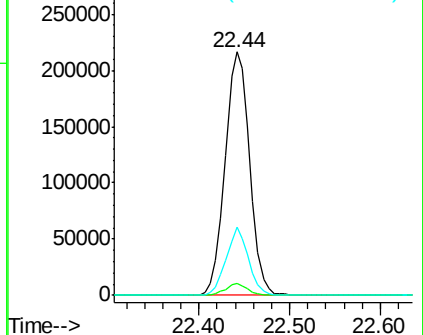
236 27.9 20.9 31.3



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



#76

Benzidine

Concen: 4.617 ng

RT: 20.27 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

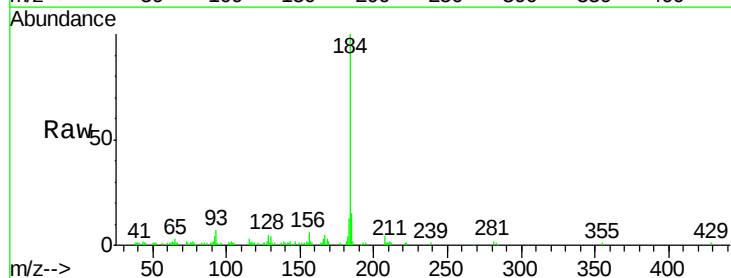
Tgt Ion:184 Resp: 46891

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

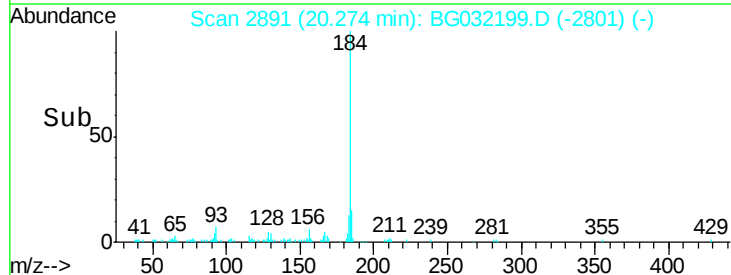
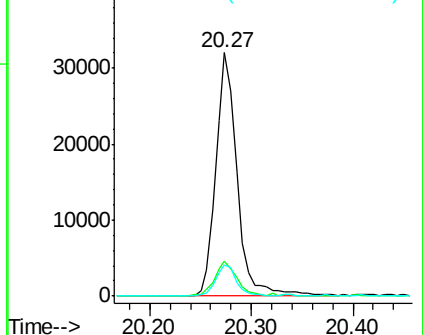
183 12.7 10.6 16.0

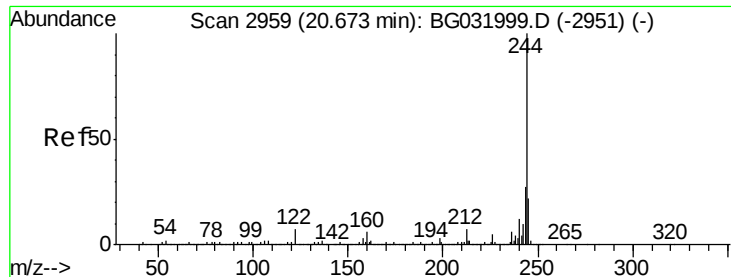


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 80.489 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

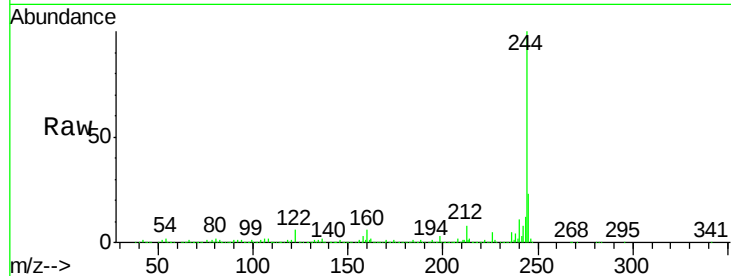
Tot Ion:244 Resp: 1480489

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

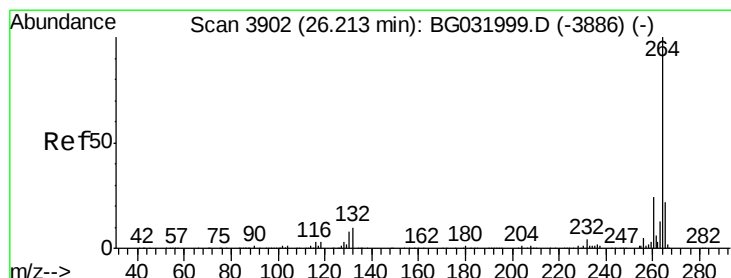
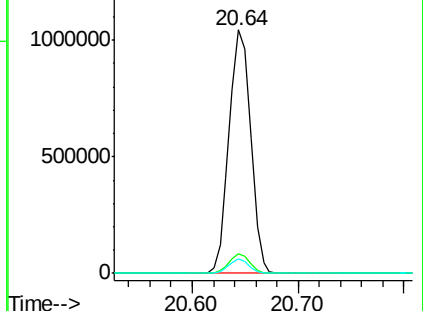
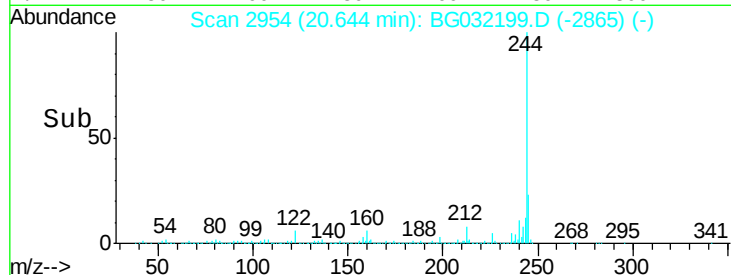
122 6.0 7.0 10.4#



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: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

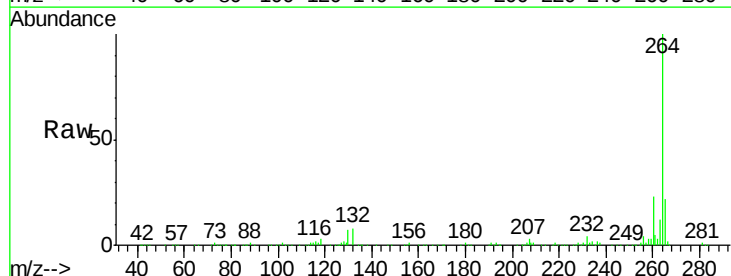
Tgt Ion:264 Resp: 433906

Ion Ratio Lower Upper

264 100

260 23.4 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

