

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
 Data File : BG031499.D
 Acq On : 12 Dec 2017 19:32
 Operator : SJ/JU
 Sample : I6813-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Drill-Cutting-Spoils

Quant Time: Dec 13 05:55:14 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

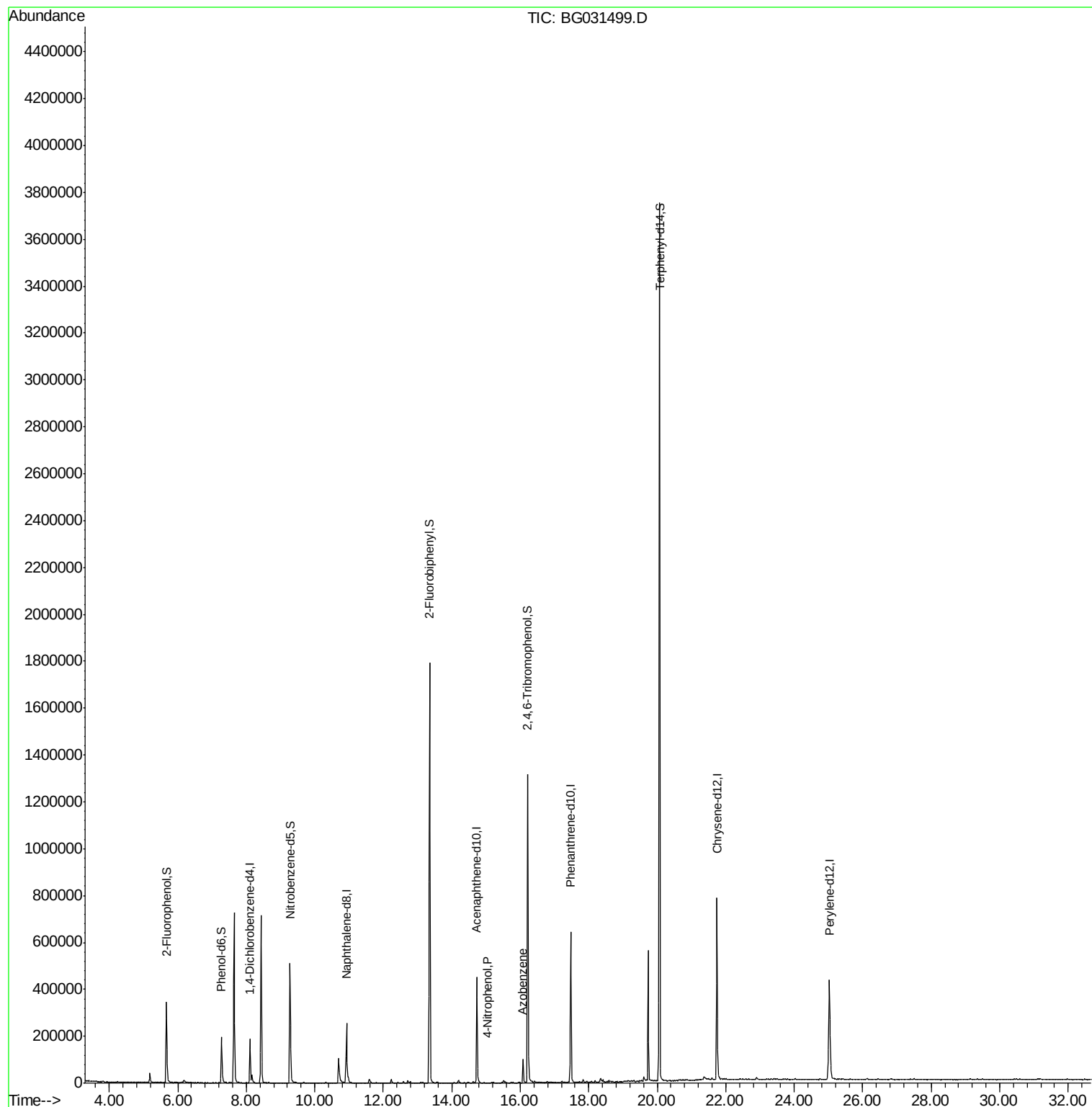
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	58551	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	254136	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	170410	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	439991	20.00	ng	0.00
75) Chrysene-d12	21.74	240	518702	20.00	ng	0.00
86) Perylene-d12	25.03	264	487419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	184876	55.97	ng	0.00
7) Phenol-d6	7.28	99	138165	30.13	ng	0.00
23) Nitrobenzene-d5	9.28	82	354051	85.87	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	276890	138.69	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1020974	87.94	ng	0.00
78) Terphenyl-d14	20.07	244	1856253	81.42	ng	0.00
Target Compounds						
55) 4-Nitrophenol	15.03	139	66	3.573	ng	# 1
62) Azobenzene	16.09	77	31774	2.712	ng	# 1

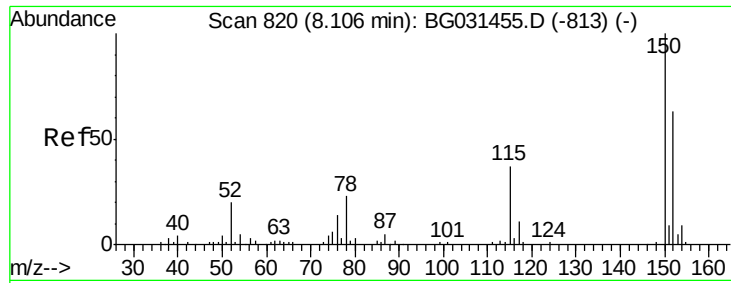
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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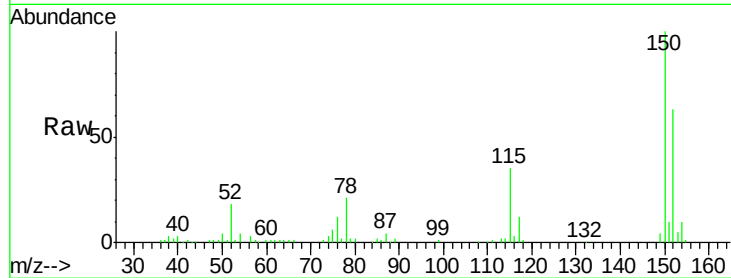




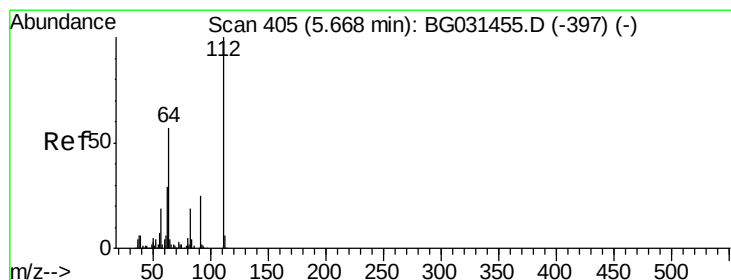
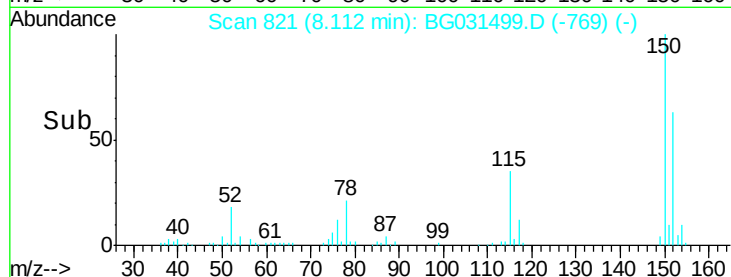
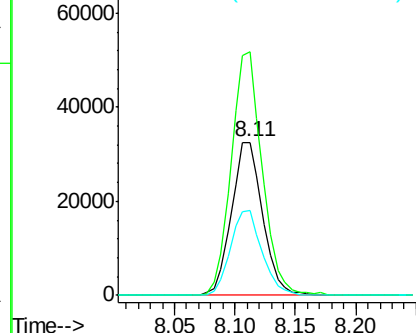
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_G
 ClientSampleId :
 Drill-Cutting-Spoils

Tot Ion:152 Resp: 58551
 Ion Ratio Lower Upper
 152 100
 150 158.9 126.6 189.8
 115 55.6 53.0 79.4

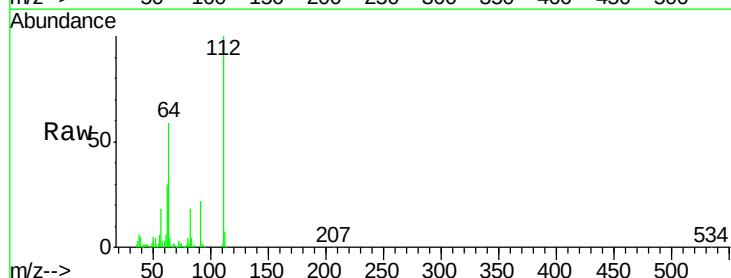


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

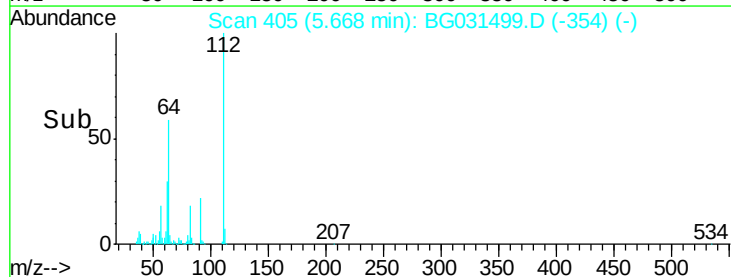
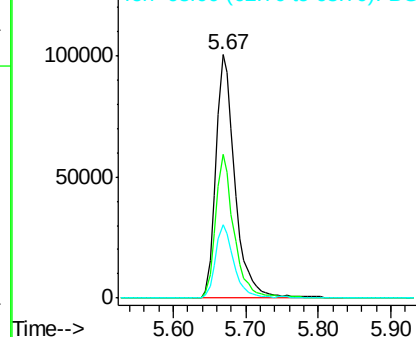


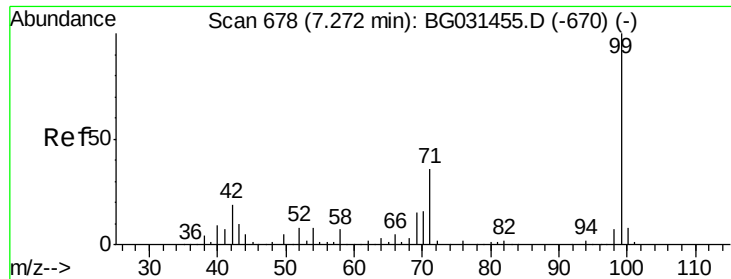
#5
 2-Fluorophenol
 Concen: 55.968 ng
 RT: 5.67 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

Tgt Ion:112 Resp: 184876
 Ion Ratio Lower Upper
 112 100
 64 59.2 56.3 84.5
 63 30.2 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: 30.129 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

Instrument :

BNA_G

ClientSampleId :

Drill-Cutting-Spoils

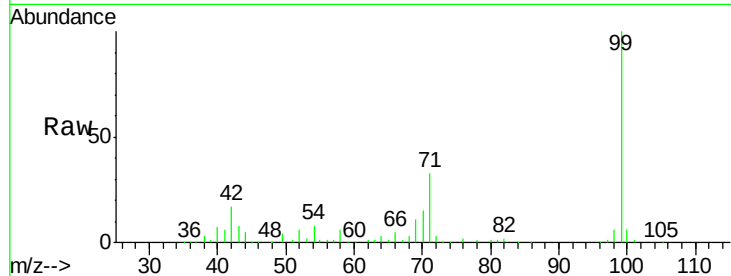
Tot Ion: 99 Resp: 138165

Ion Ratio Lower Upper

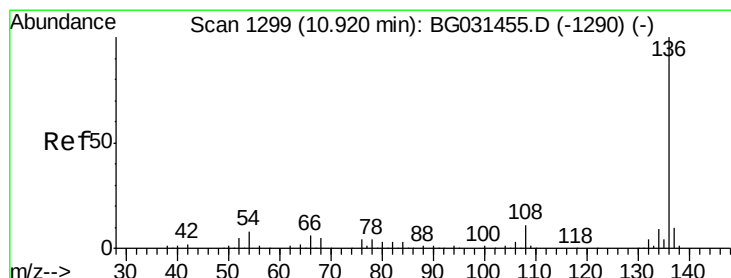
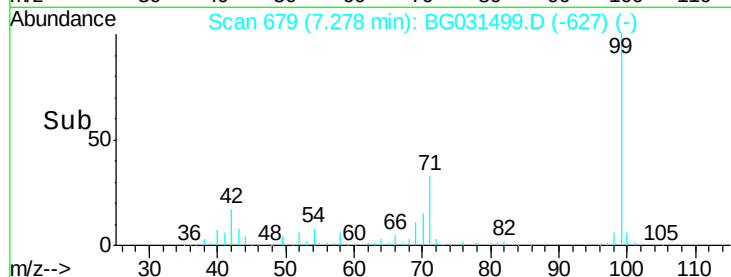
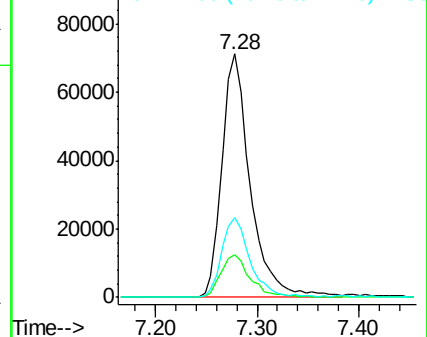
99 100

42 17.4 14.1 21.1

71 32.6 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: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

Tgt Ion: 136 Resp: 254136

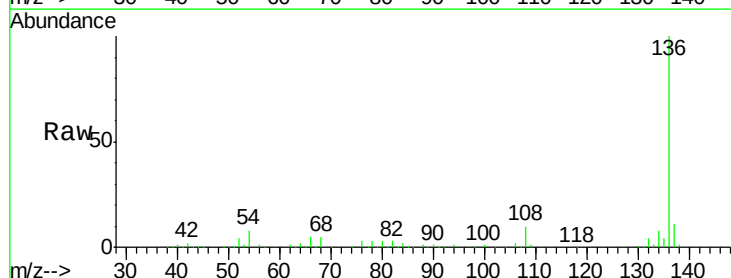
Ion Ratio Lower Upper

136 100

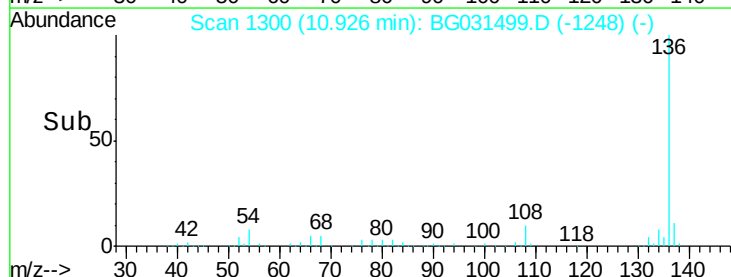
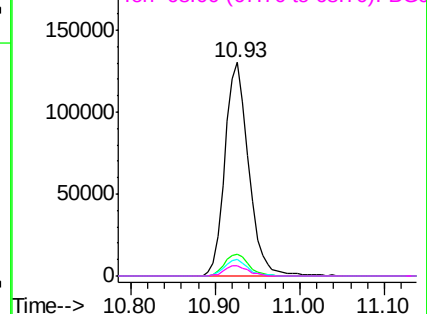
137 10.5 9.2 13.8

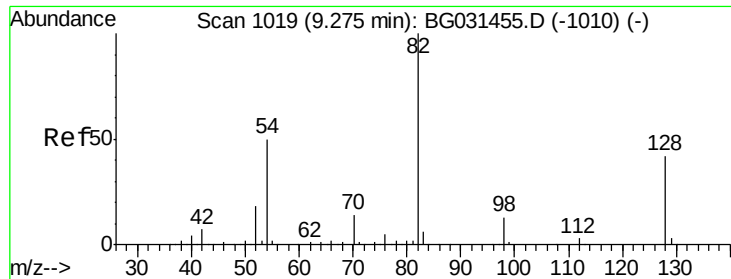
54 7.5 10.3 15.5#

68 4.9 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

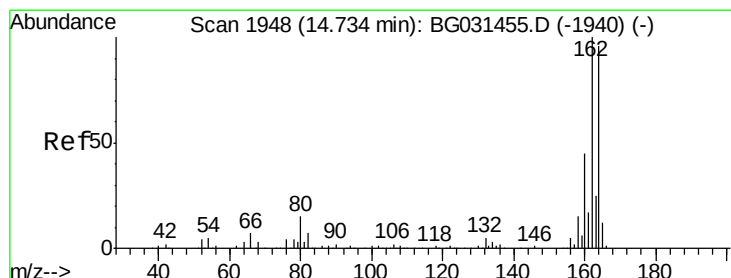
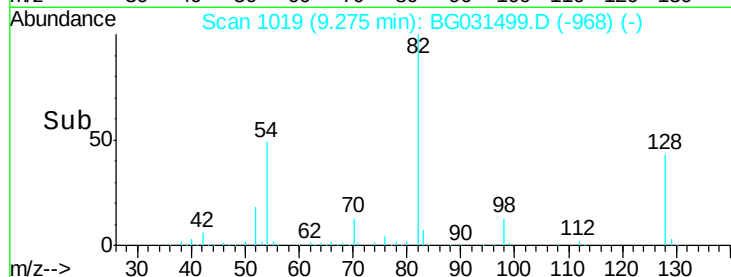
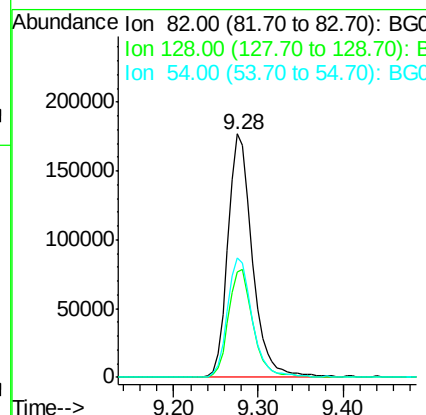
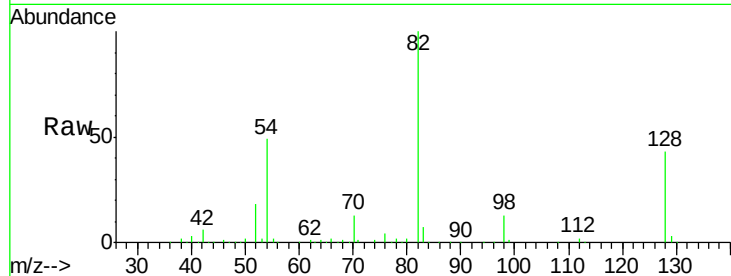




#23
 Nitrobenzene-d5
 Concen: 85.869 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

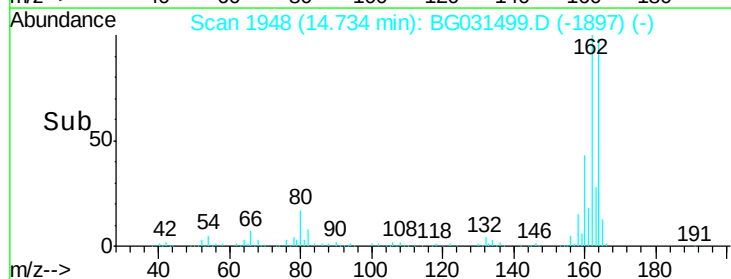
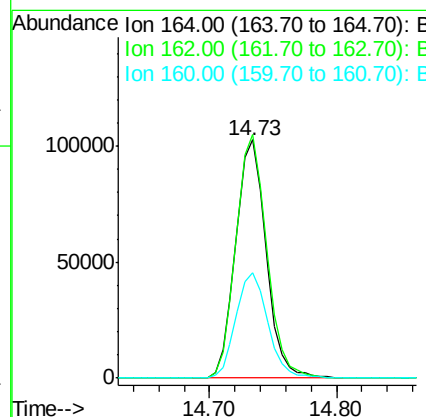
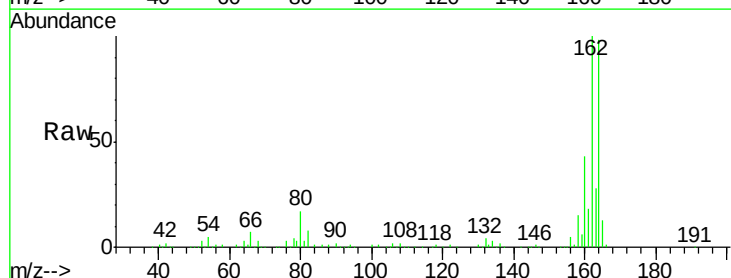
Instrument :
 BNA_G
 ClientSampleId :
 Drill-Cutting-Spoils

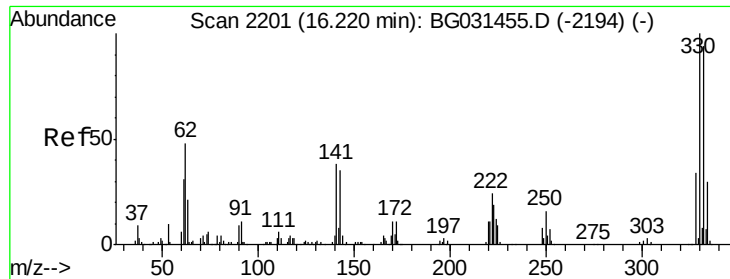
Tot Ion	82	Resp	354051
Ion Ratio	100	Lower	Upper
128	43.2	29.7	44.5
54	49.0	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

Tgt Ion	164	Resp	170410
Ion Ratio	100	Lower	Upper
162	102.1	78.8	118.2
160	44.0	35.4	53.0

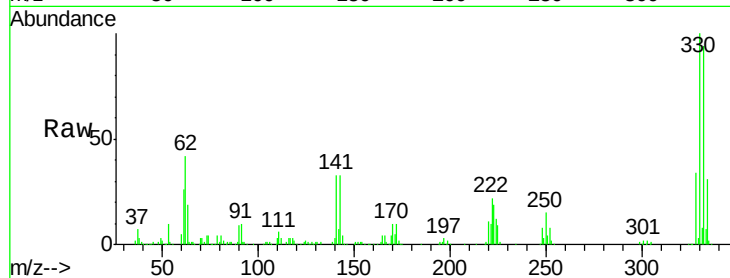




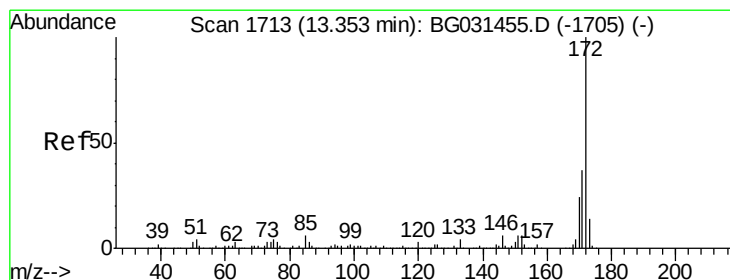
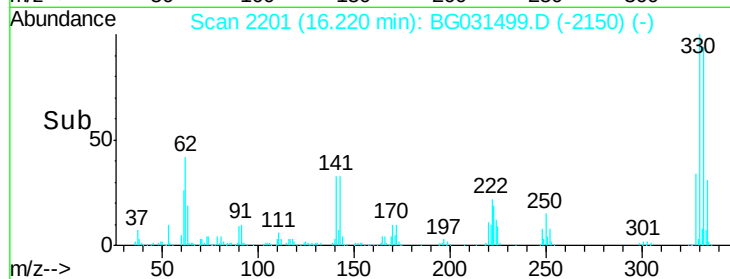
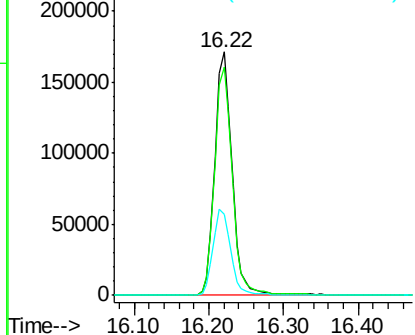
#41
 2,4,6-Tribromophenol
 Concen: 138.693 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

Instrument :
 BNA_G
 ClientSampleId :
 Drill-Cutting-Spoils

Tot Ion:330 Resp: 276890
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 36.2 25.2 37.8

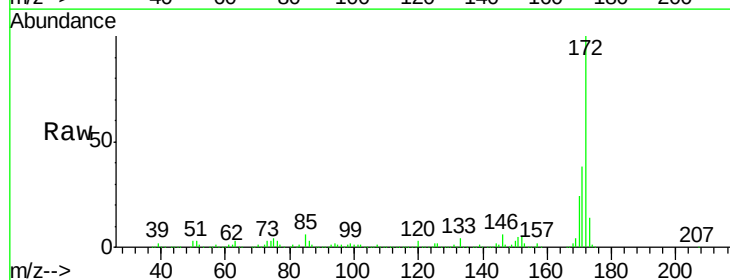


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

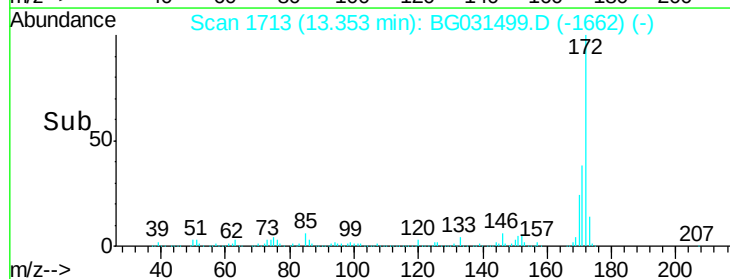
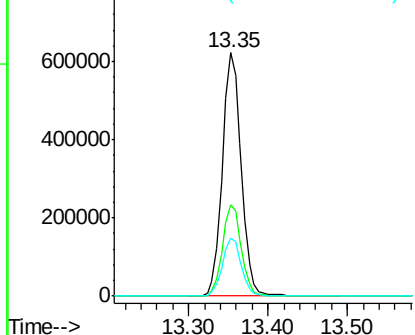


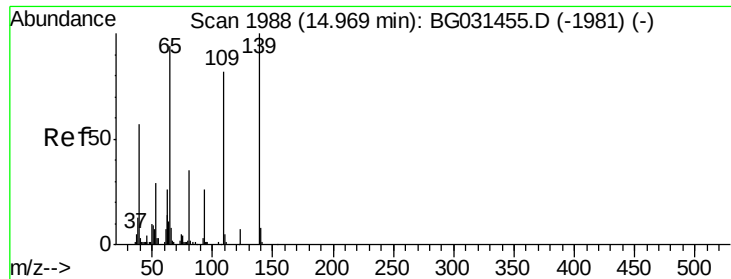
#44
 2-Fluorobiphenyl
 Concen: 87.944 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG031499.D
 Acq: 12 Dec 2017 19:32

Tgt Ion:172 Resp: 1020974
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 24.0 19.5 29.3



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





#55

4-Nitrophenol

Concen: 3.573 ng

RT: 15.03 min Scan# 1999

Delta R.T. 0.07 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

Instrument :

BNA_G

ClientSampleId :

Drill-Cutting-Spoils

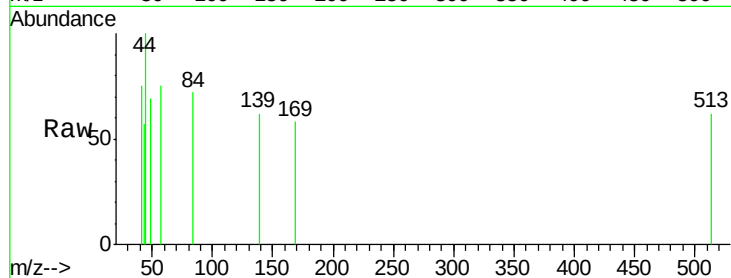
Tot Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

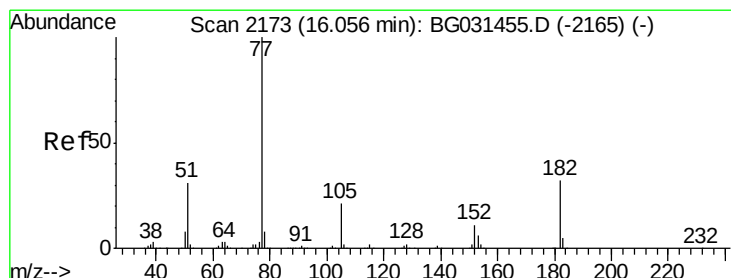
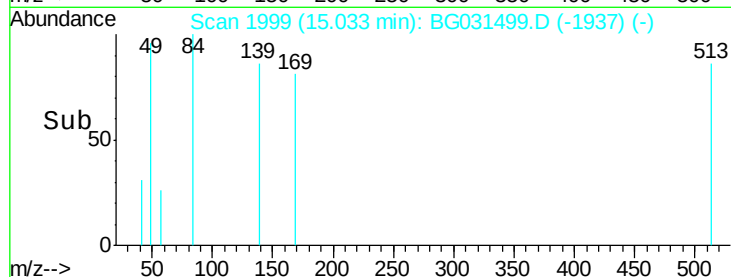
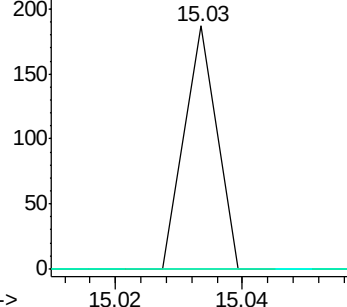
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#62

Azobenzene

Concen: 2.712 ng

RT: 16.09 min Scan# 2178

Delta R.T. 0.03 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

Tgt Ion: 77 Resp: 31774

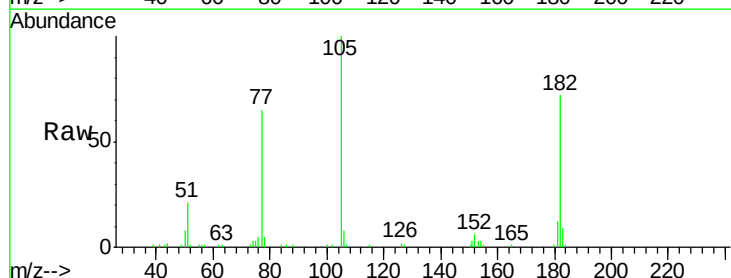
Ion Ratio Lower Upper

77 100

182 111.4 7.4 47.4#

105 153.8 0.3 40.3#

51 32.4 11.6 51.6

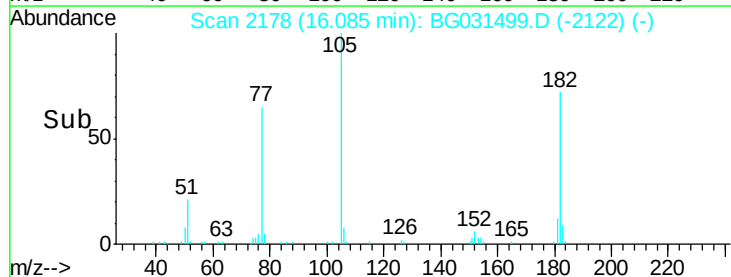
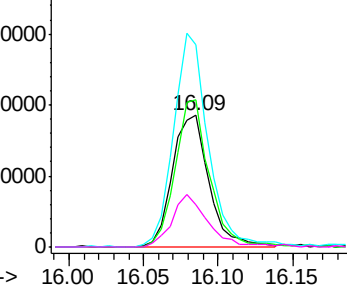


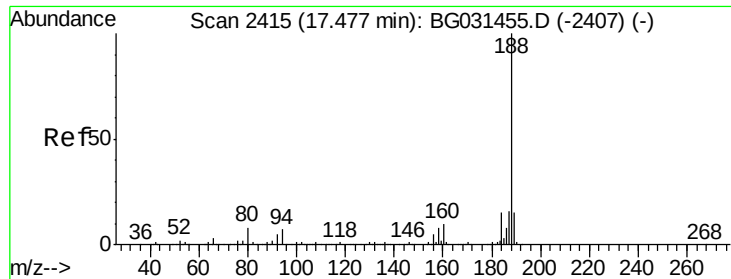
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

Instrument :

BNA_G

ClientSampleId :

Drill-Cutting-Spoils

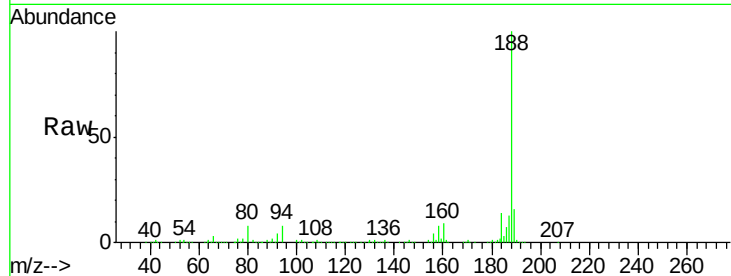
Tot Ion:188 Resp: 439991

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

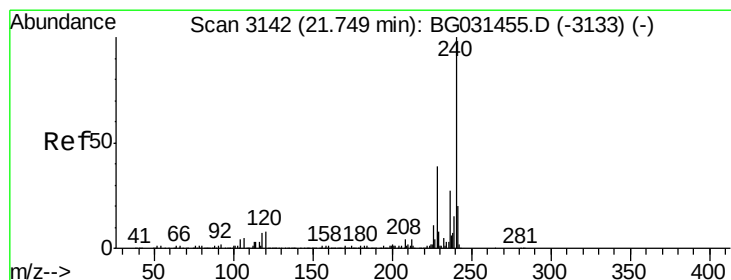
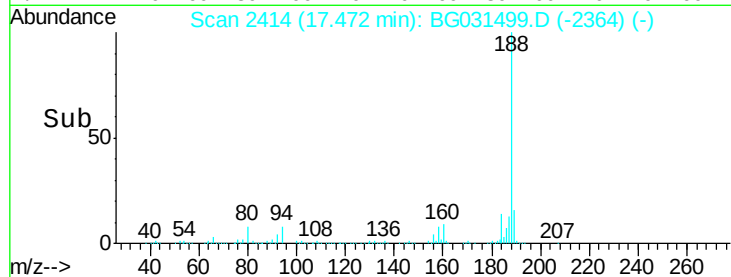
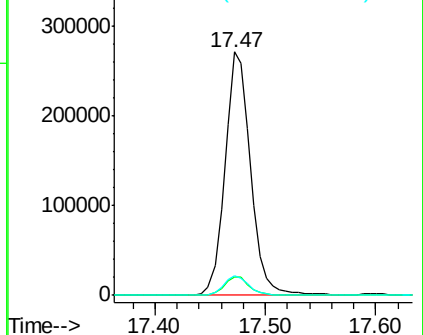
80 8.2 7.7 11.5



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: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

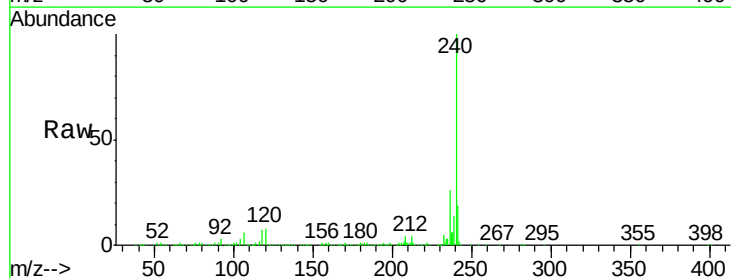
Tgt Ion:240 Resp: 518702

Ion Ratio Lower Upper

240 100

120 8.1 6.8 10.2

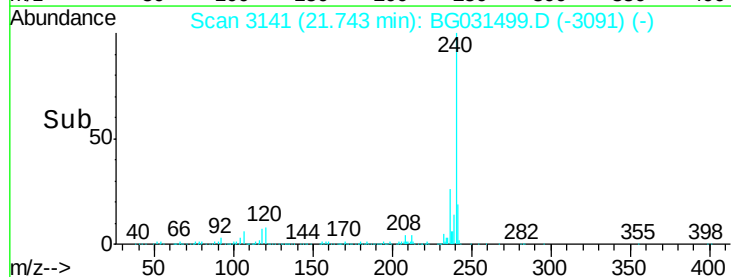
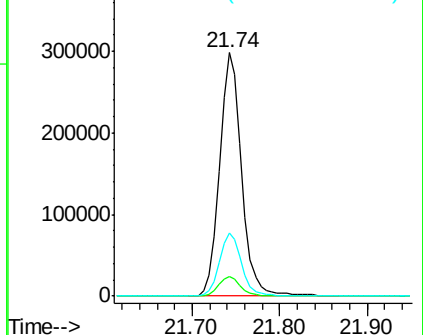
236 26.2 20.9 31.3

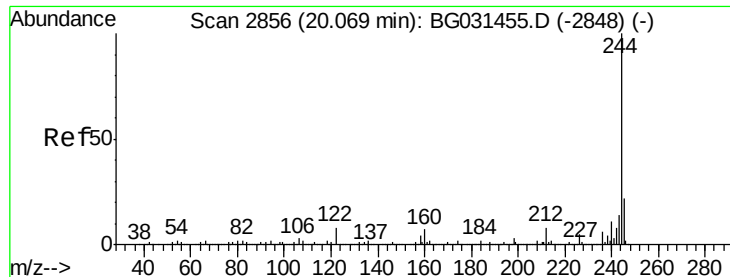


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.420 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

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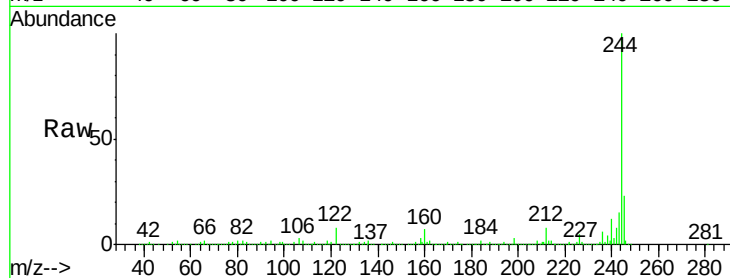
Tot Ion:244 Resp: 1856253

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

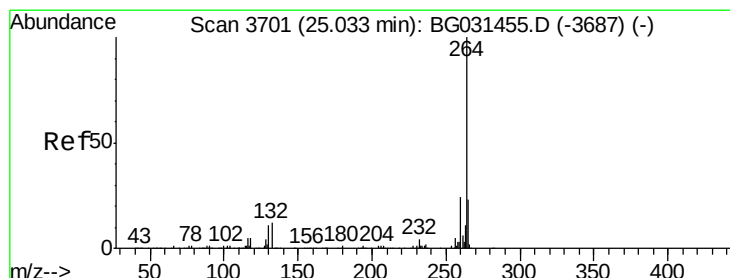
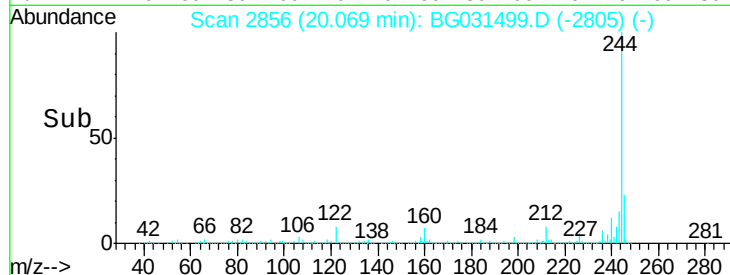
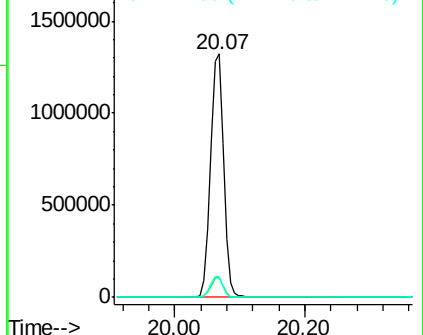
122 8.3 7.0 10.4



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: 25.03 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG031499.D

Acq: 12 Dec 2017 19:32

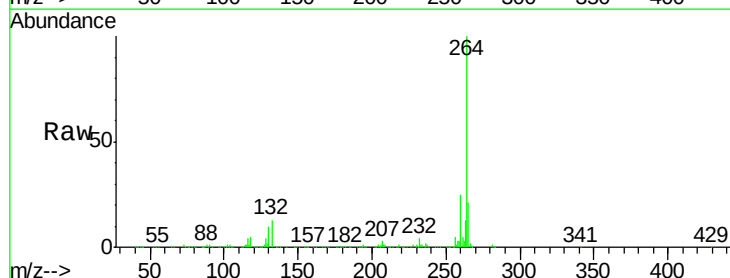
Tgt Ion:264 Resp: 487419

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 21.5 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

