

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121817\
 Data File : BG031662.D
 Acq On : 19 Dec 2017 9:40
 Operator : SJ/JU
 Sample : I6957-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-WW

Quant Time: Dec 19 10:14:31 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

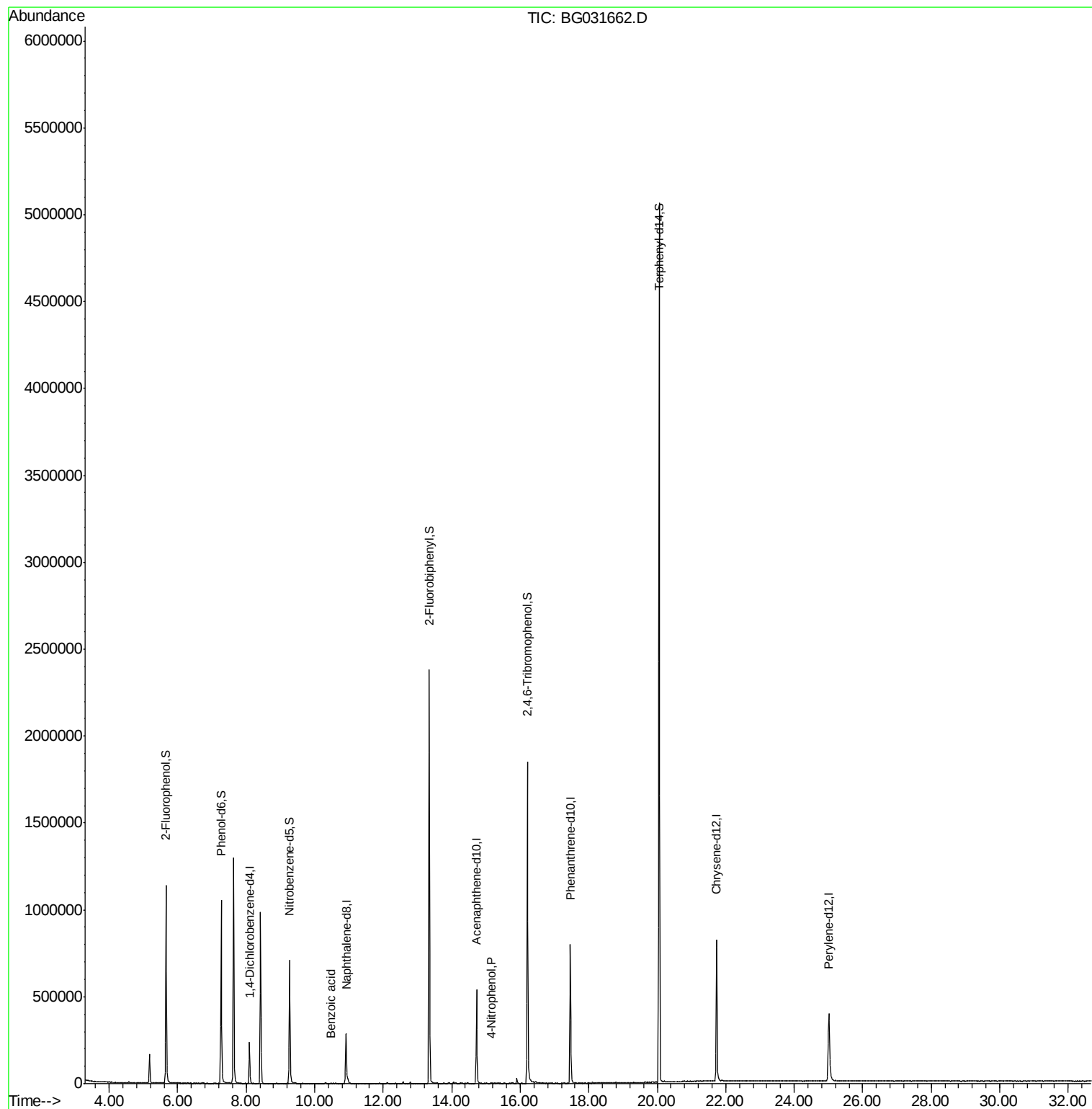
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	74393	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	321107	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	213465	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	561422	20.00	ng	0.00
75) Chrysene-d12	21.73	240	579708	20.00	ng	-0.02
86) Perylene-d12	25.01	264	495432	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	576804	137.43	ng	0.00
7) Phenol-d6	7.27	99	685563	117.66	ng	0.00
23) Nitrobenzene-d5	9.27	82	476315	91.43	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	420370	168.09	ng	-0.01
44) 2-Fluorobiphenyl	13.34	172	1390975	95.65	ng	0.00
78) Terphenyl-d14	20.06	244	2410221	94.59	ng	0.00
Target Compounds						
32) Benzoic acid	10.48	122	63	6.981	ng	# 1
55) 4-Nitrophenol	15.14	139	615	3.768	ng	# 1

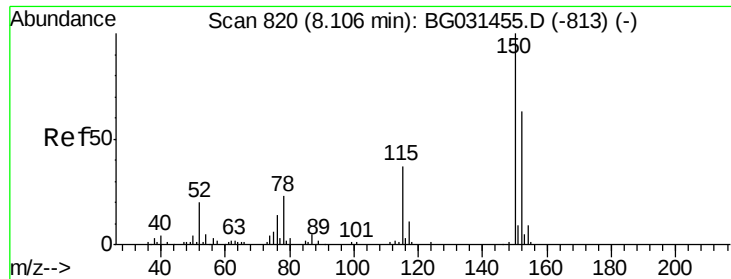
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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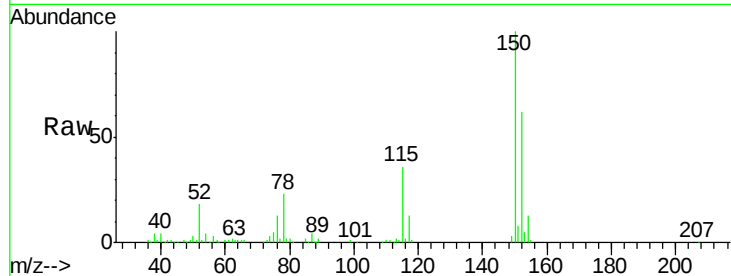


#1

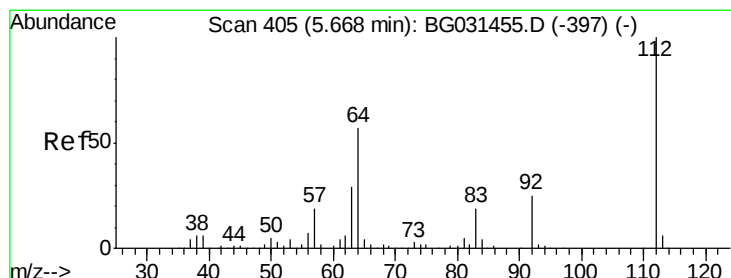
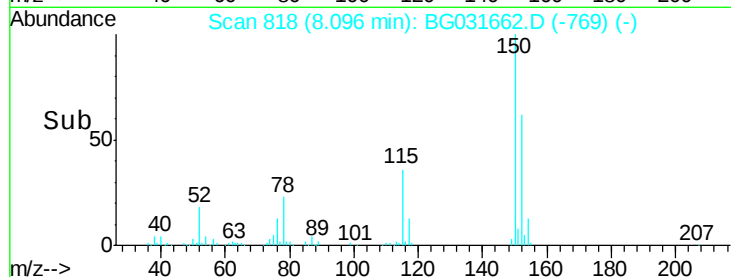
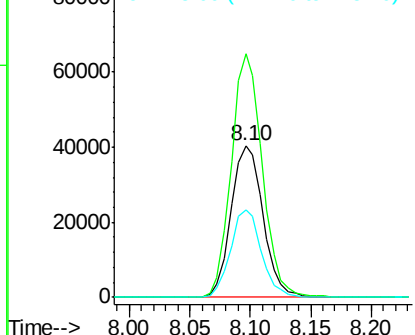
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-WW

Tgt Ion:152 Resp: 74393
 Ion Ratio Lower Upper
 152 100
 150 160.4 126.6 189.8
 115 57.8 53.0 79.4



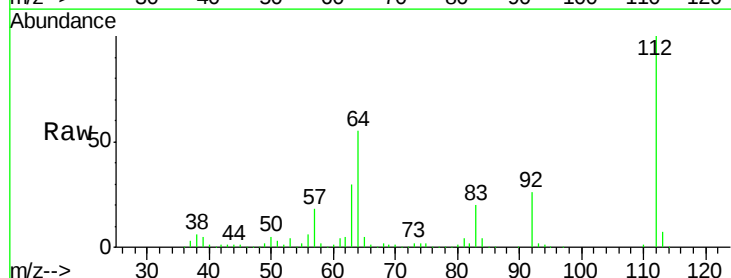
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



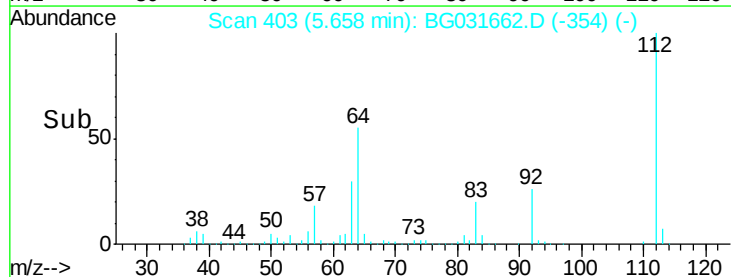
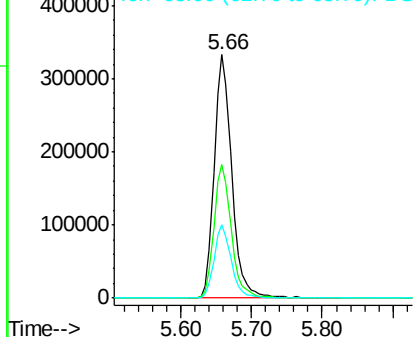
#5

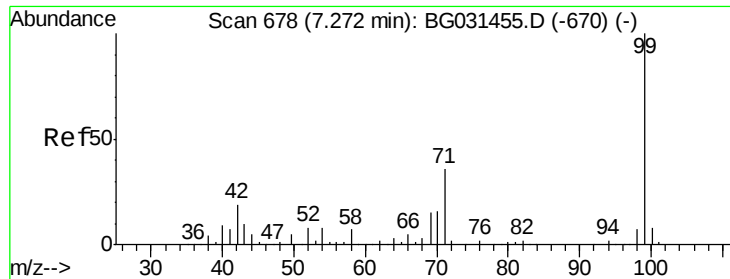
2-Fluorophenol
 Concen: 137.432 ng
 RT: 5.66 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

Tgt Ion:112 Resp: 576804
 Ion Ratio Lower Upper
 112 100
 64 55.0 56.3 84.5#
 63 30.4 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: 117.664 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

Instrument :

BNA_G

ClientSampleId :

HALSTED-WW

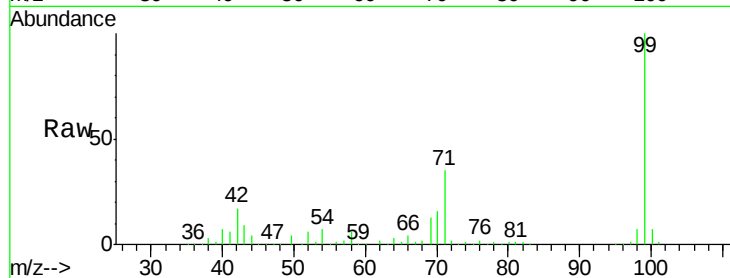
Tgt Ion: 99 Resp: 685563

Ion Ratio Lower Upper

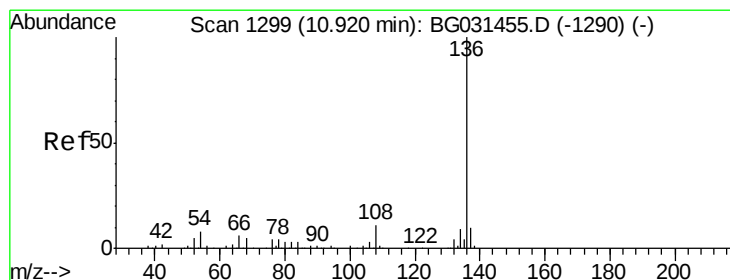
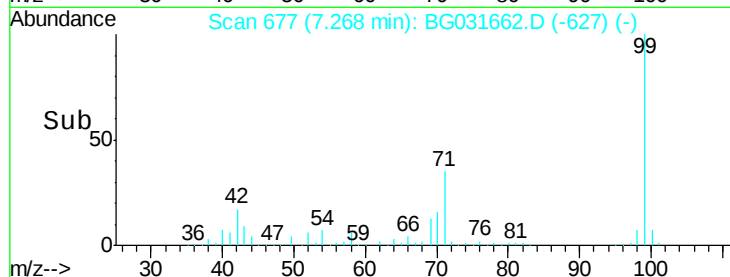
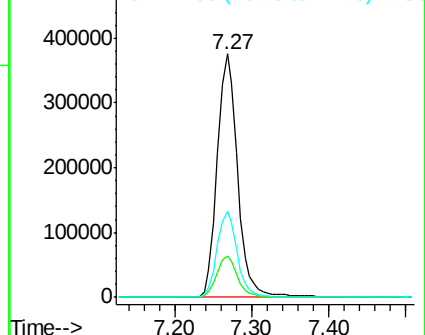
99 100

42 17.1 14.1 21.1

71 35.5 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: 10.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

Tgt Ion: 136 Resp: 321107

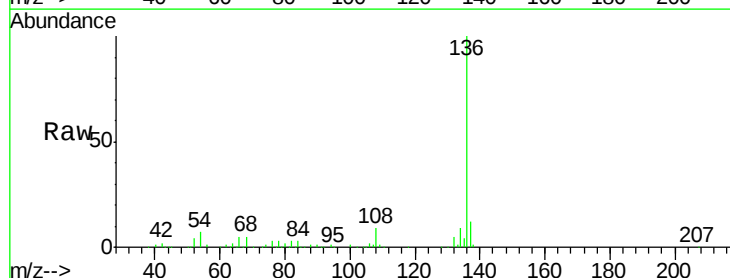
Ion Ratio Lower Upper

136 100

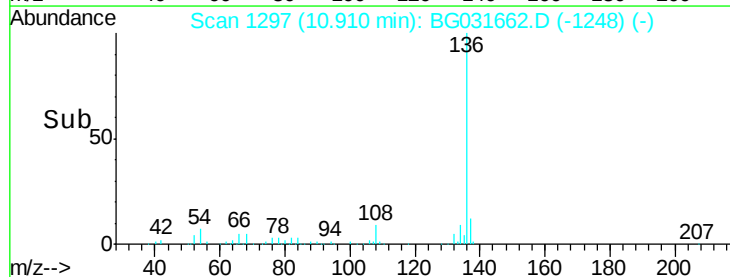
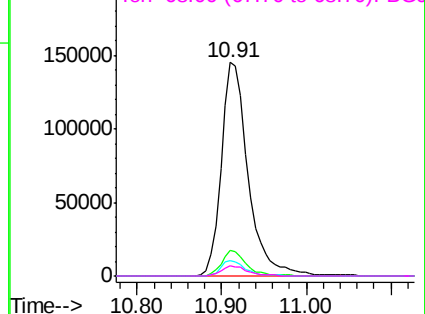
137 12.0 9.2 13.8

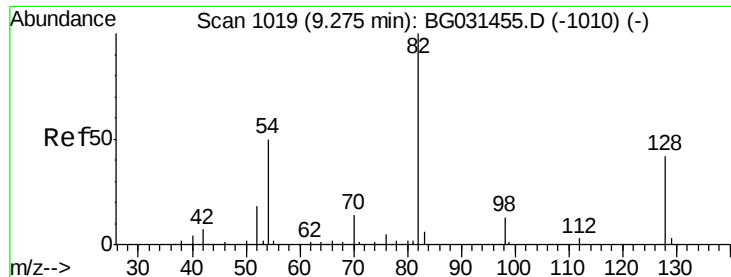
54 7.1 10.3 15.5#

68 4.7 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

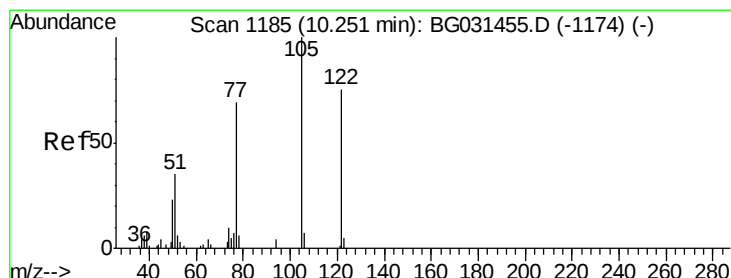
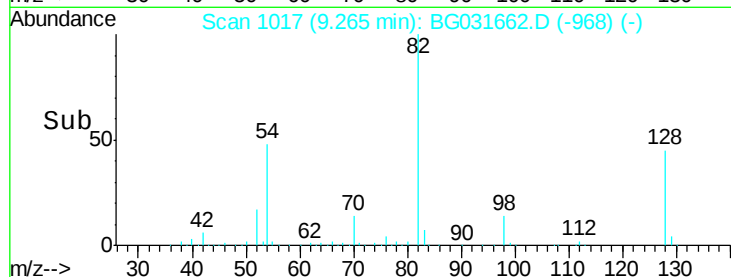
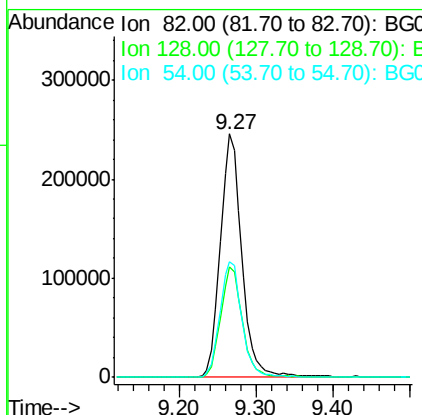
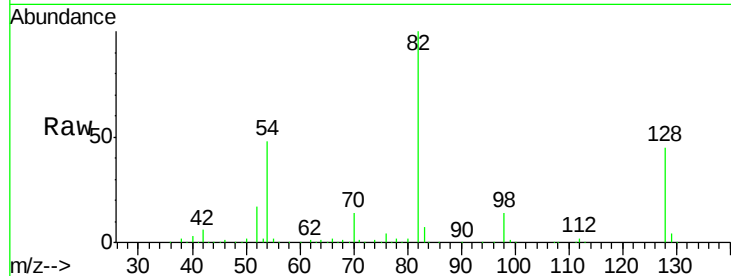




#23
 Nitrobenzene-d5
 Concen: 91.429 ng
 RT: 9.27 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

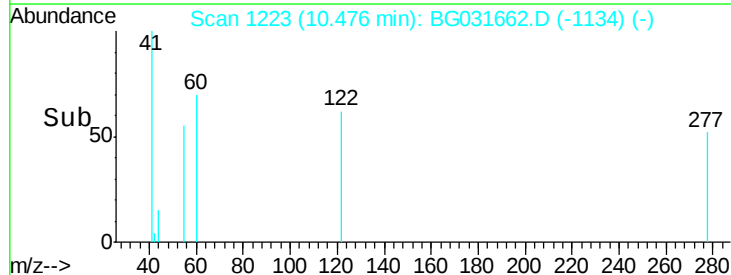
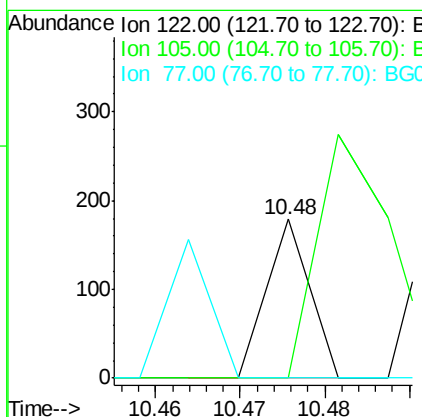
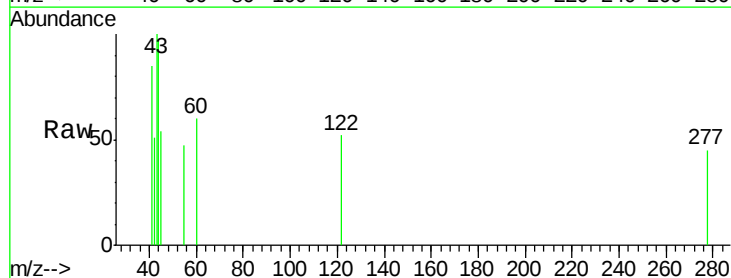
Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-WW

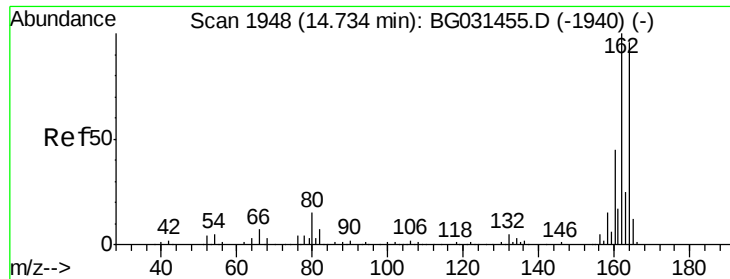
Tgt Ion: 82 Resp: 476315
 Ion Ratio Lower Upper
 82 100
 128 45.2 29.7 44.5#
 54 47.7 43.1 64.7



#32
 Benzoic acid
 Concen: 6.981 ng
 RT: 10.48 min Scan# 1223
 Delta R.T. 0.23 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

Tgt Ion: 122 Resp: 63
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#

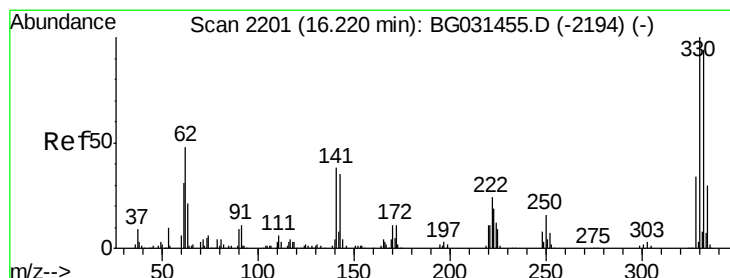
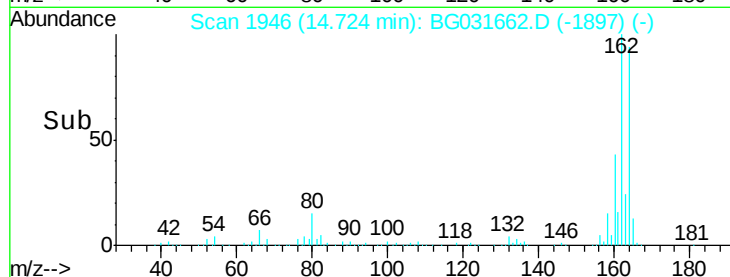
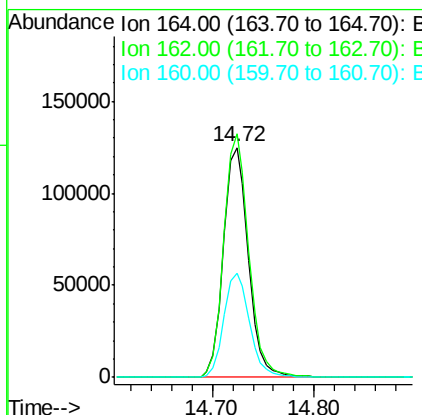
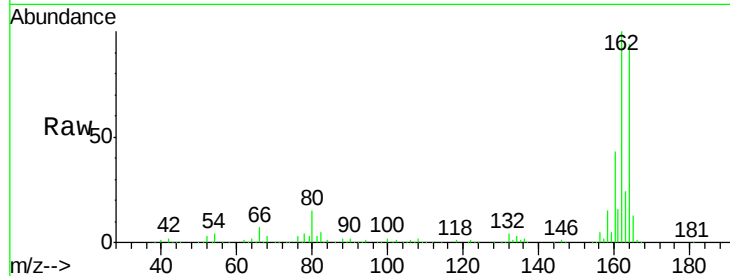




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

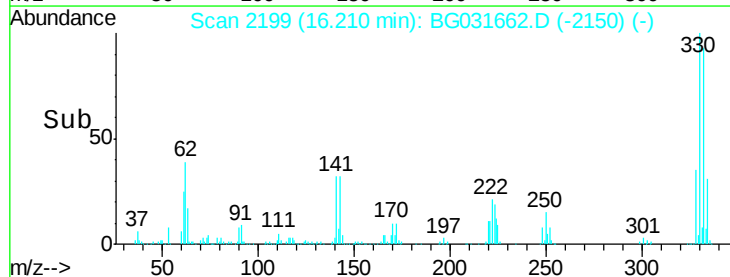
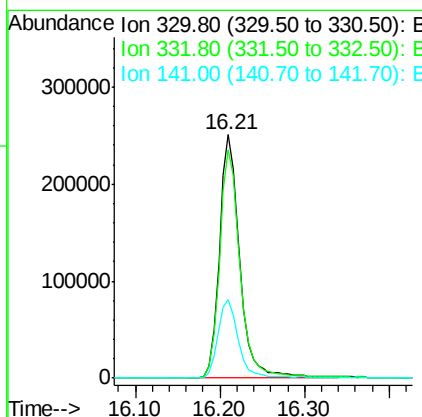
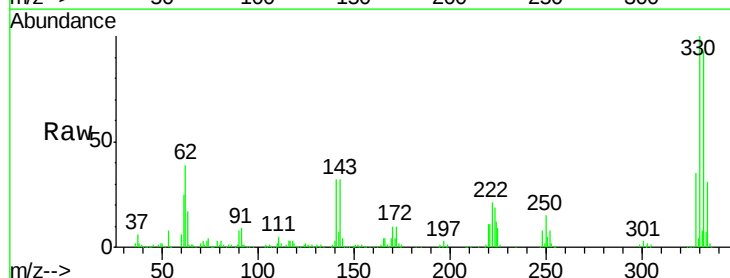
Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-WW

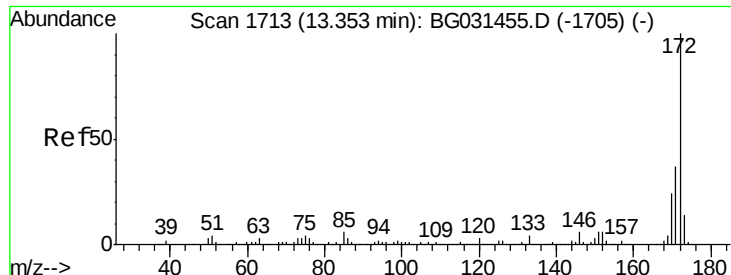
Tgt Ion:164 Resp: 213465
 Ion Ratio Lower Upper
 164 100
 162 105.9 78.8 118.2
 160 45.3 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 168.092 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

Tgt Ion:330 Resp: 420370
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 33.0 25.2 37.8

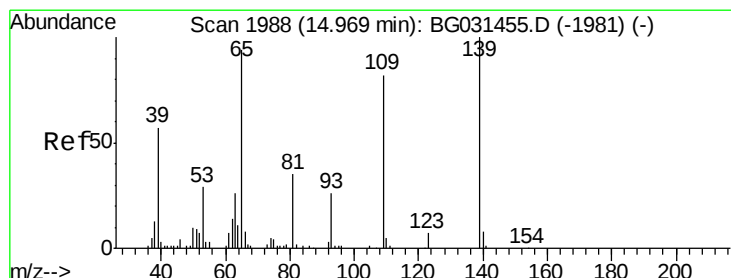
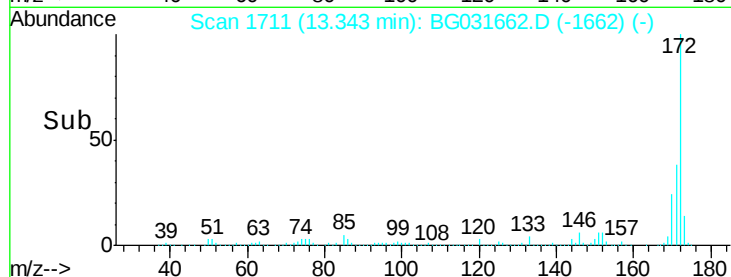
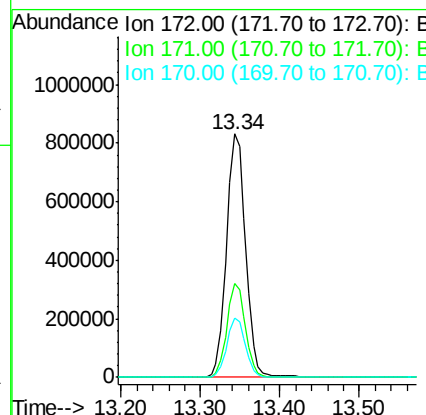
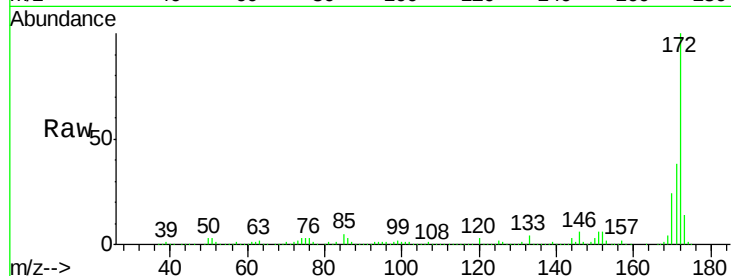




#44
 2-Fluorobiphenyl
 Concen: 95.649 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

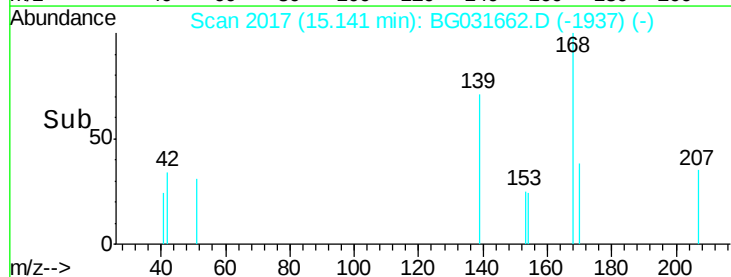
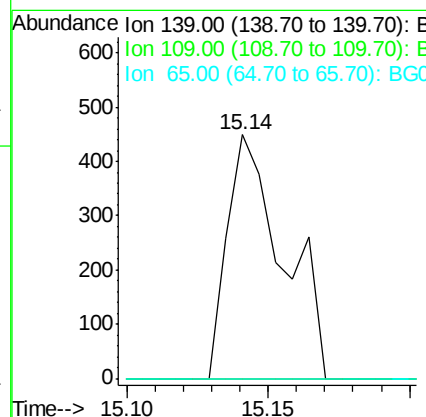
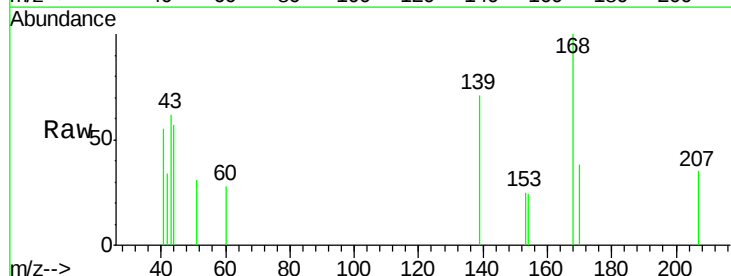
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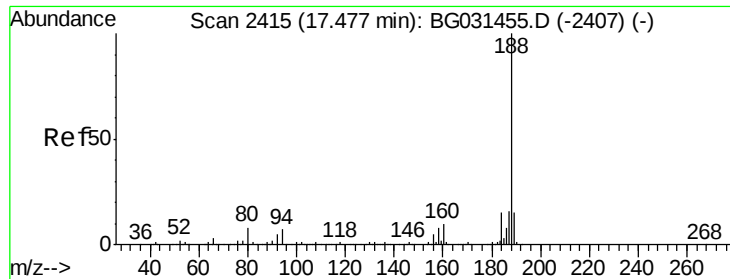
Tgt Ion:172 Resp: 1390975
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 24.4 19.5 29.3



#55
 4-Nitrophenol
 Concen: 3.768 ng
 RT: 15.14 min Scan# 2017
 Delta R.T. 0.17 min
 Lab File: BG031662.D
 Acq: 19 Dec 2017 9:40

Tgt Ion:139 Resp: 615
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

Instrument :

BNA_G

ClientSampleId :

HALSTED-WW

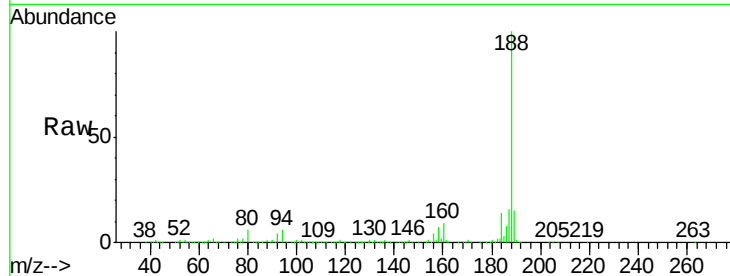
Tgt Ion:188 Resp: 561422

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

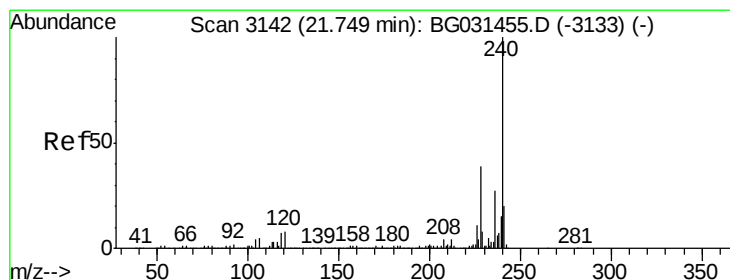
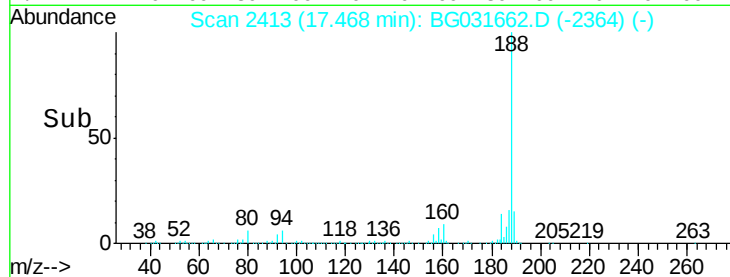
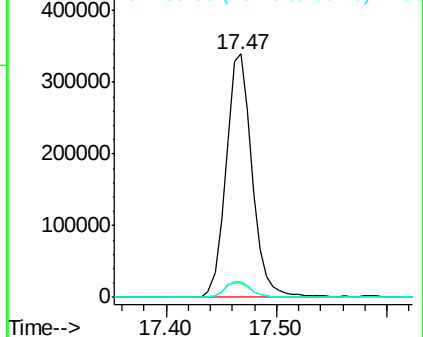
80 6.5 7.7 11.5#



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: 21.73 min Scan# 3139

Delta R.T. -0.02 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

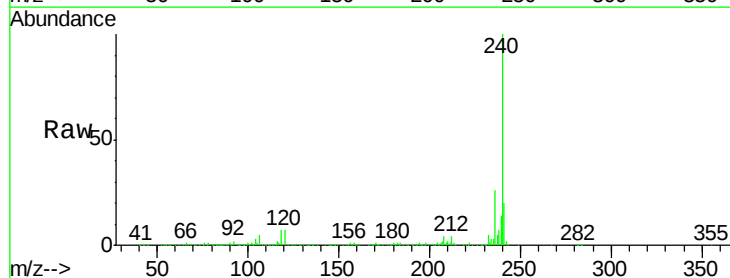
Tgt Ion:240 Resp: 579708

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

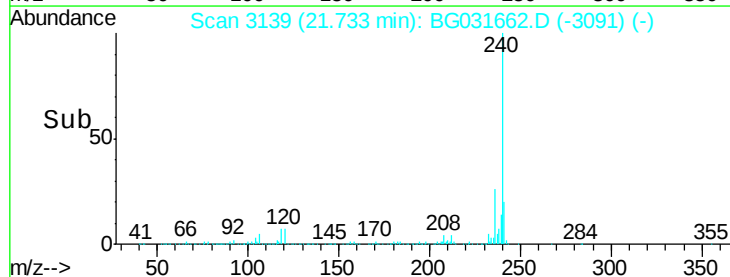
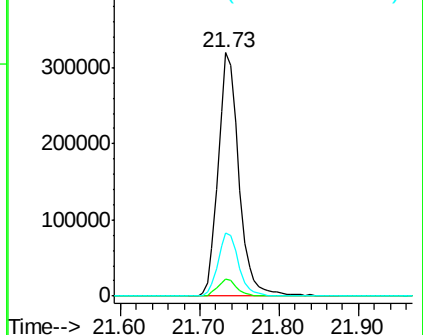
236 26.2 20.9 31.3

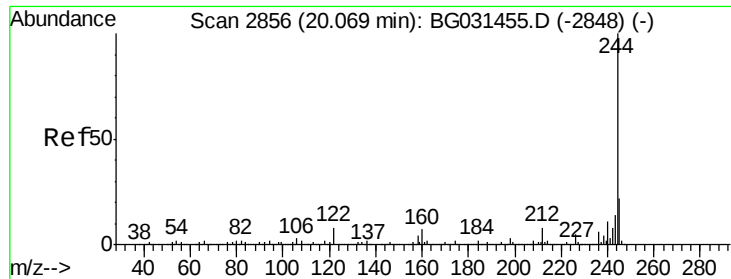


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.593 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

Instrument :

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ClientSampleId :

HALSTED-WW

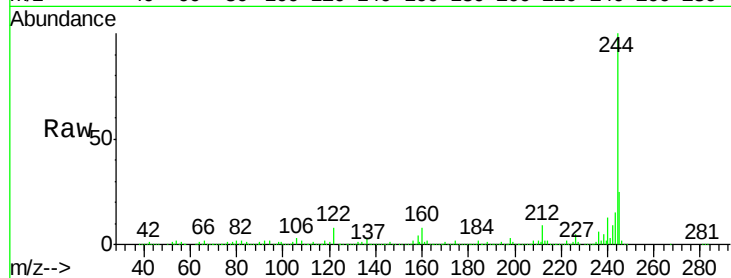
Tgt Ion:244 Resp: 2410221

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

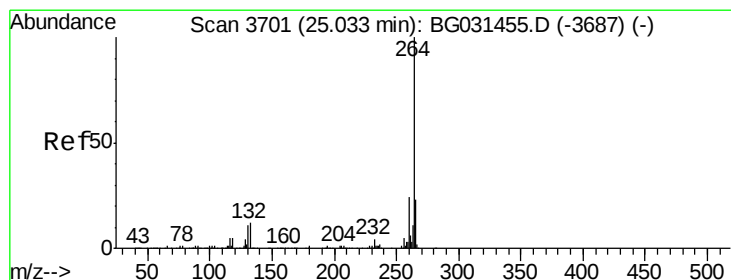
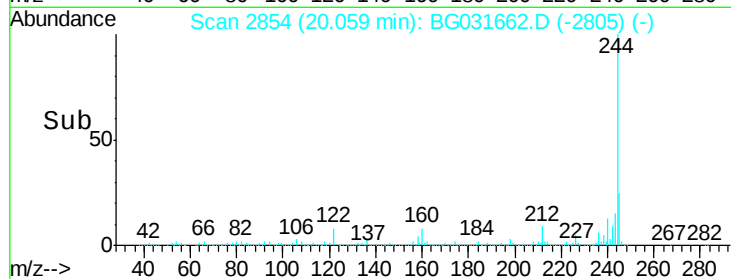
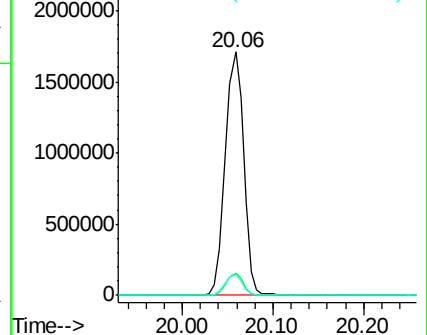
122 8.4 7.0 10.4



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: 25.01 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BG031662.D

Acq: 19 Dec 2017 9:40

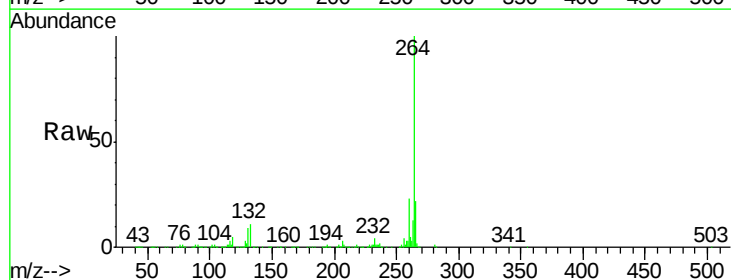
Tgt Ion:264 Resp: 495432

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.2 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

