

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032536.D
 Acq On : 5 Feb 2018 16:31
 Operator : SJ/JU
 Sample : J1161-02
 Misc : LOD 1PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:19:15 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

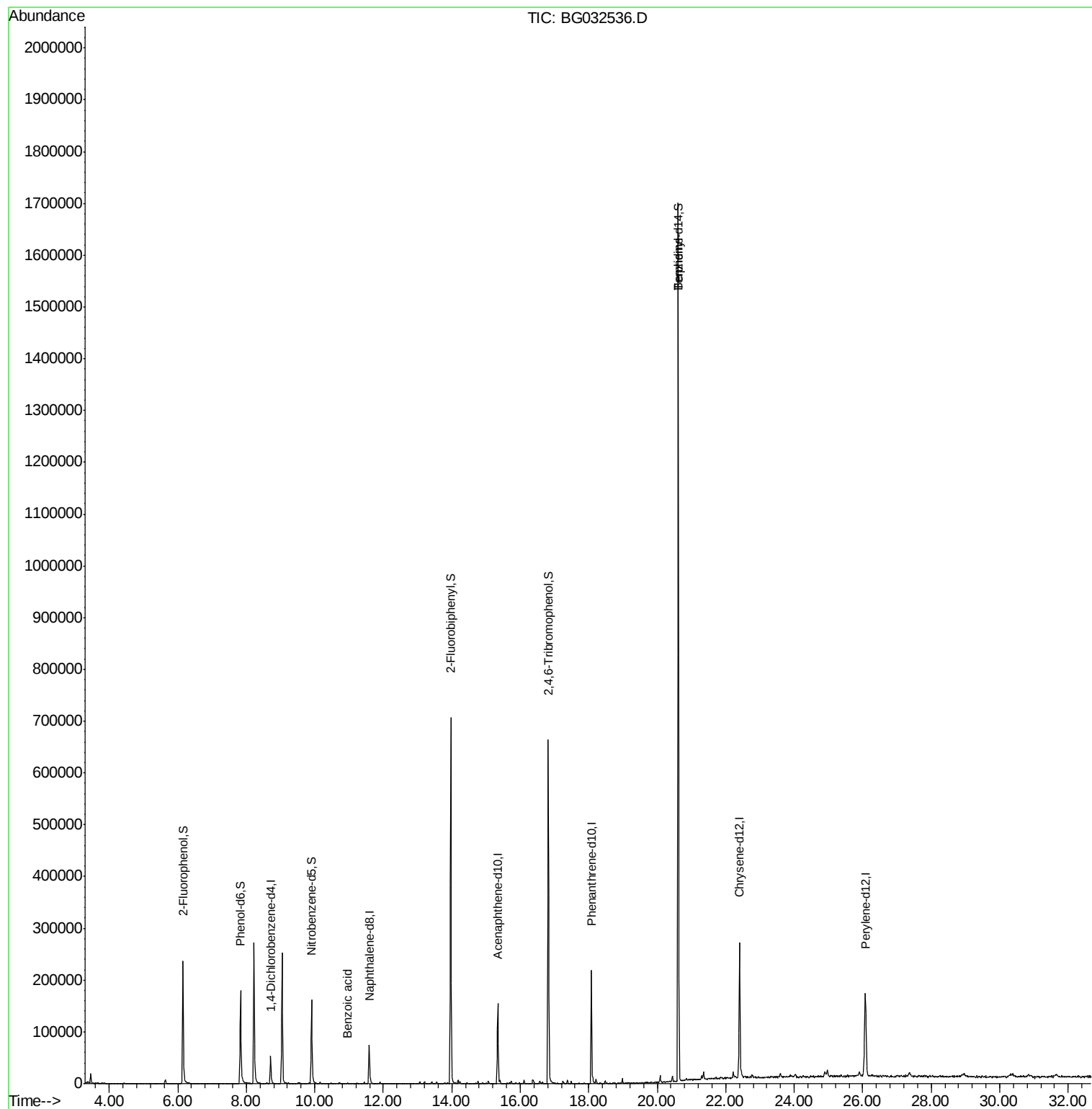
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	18669	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	81921	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	61135	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	157555	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	209938	20.00	ng	-0.01
86) Perylene-d12	26.07	264	227040	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	133735	143.88	ng	0.00
7) Phenol-d6	7.83	99	134419	108.38	ng	0.00
23) Nitrobenzene-d5	9.91	82	112302	85.62	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	163801	140.76	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	427952	83.20	ng	-0.02
78) Terphenyl-d14	20.62	244	914320	93.29	ng	-0.01
Target Compounds						
32) Benzoic acid	10.96	122	129	7.417	ng	# 1
76) Benzidine	20.62	184	12615	3.060	ng	# 82

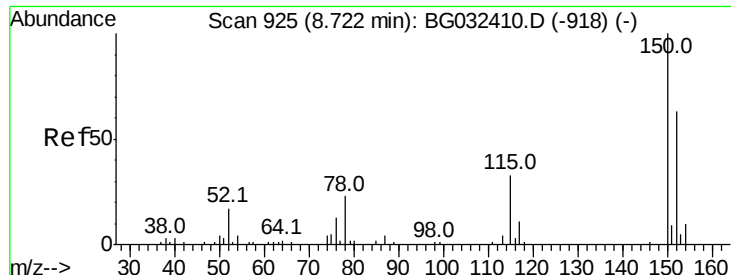
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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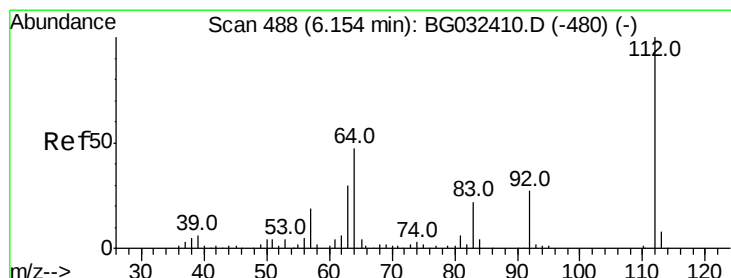
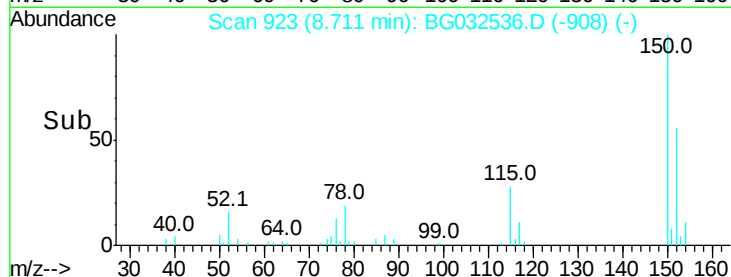
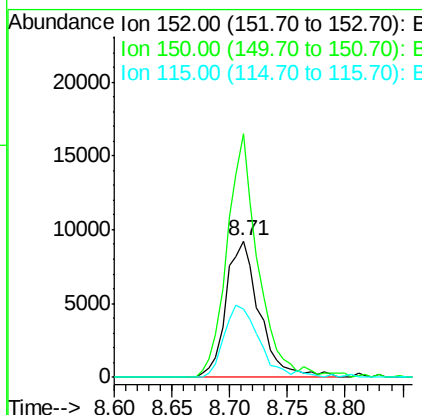
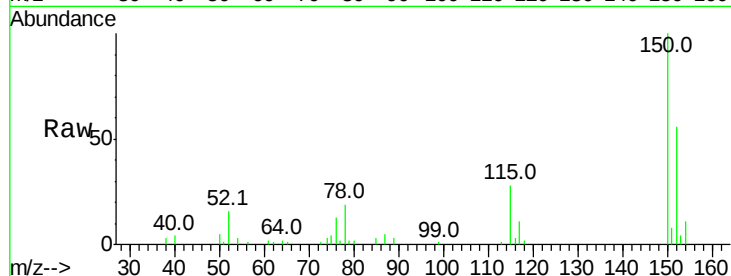


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032536.D
Acq: 5 Feb 2018 16:31

Instrument :
BNA_G
ClientSampleId :

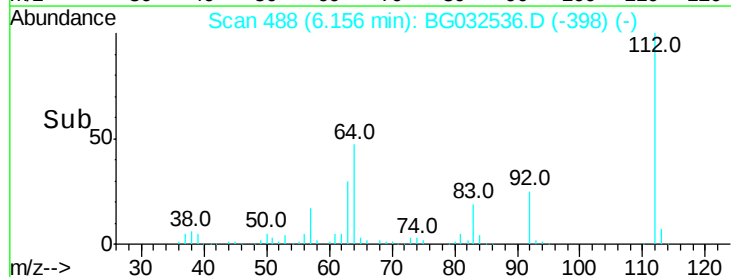
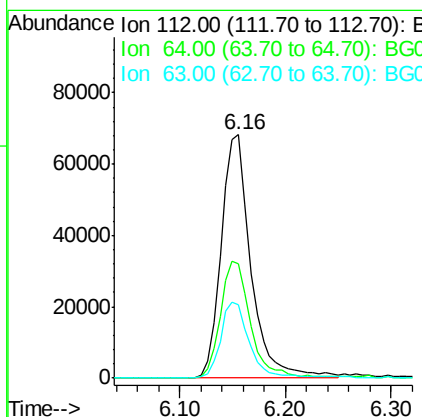
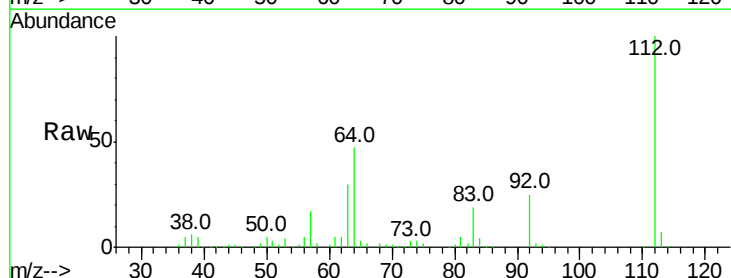
Tot Ion:152 Resp: 18669
Ion Ratio Lower Upper
152 100
150 178.1 126.6 189.8
115 50.1 53.0 79.4#

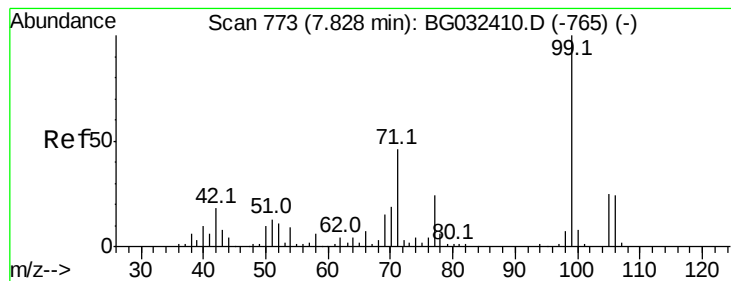


#5

2-Fluorophenol
Concen: 143.883 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032536.D
Acq: 5 Feb 2018 16:31

Tgt Ion:112 Resp: 133735
Ion Ratio Lower Upper
112 100
64 47.2 56.3 84.5#
63 30.1 30.1 45.1





#7

Phenol-d6

Concen: 108.376 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

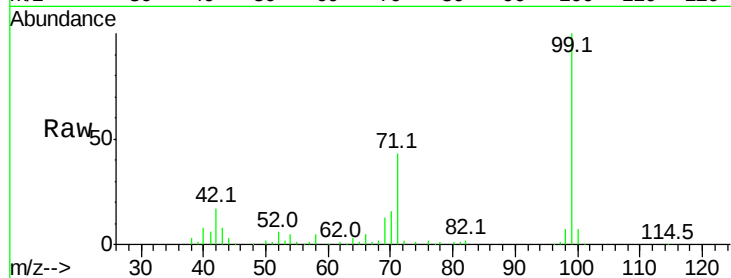
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 134419

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.1	21.1
71	42.8	26.1	39.1

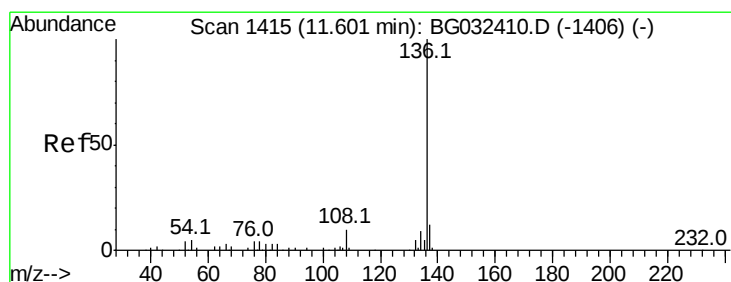
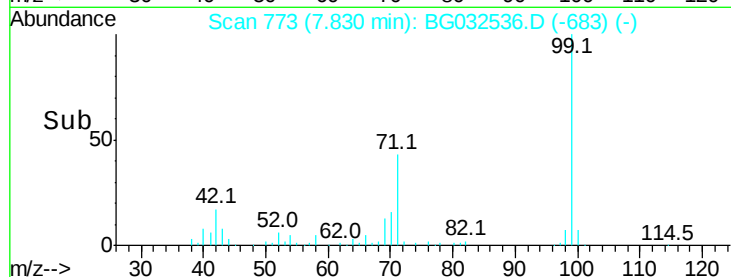
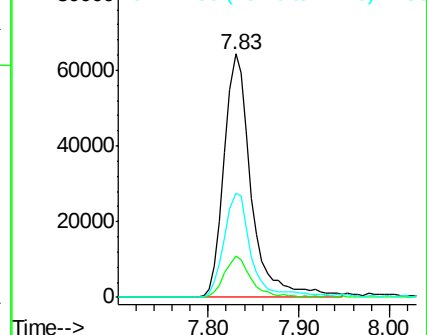


Abundance

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# 1413

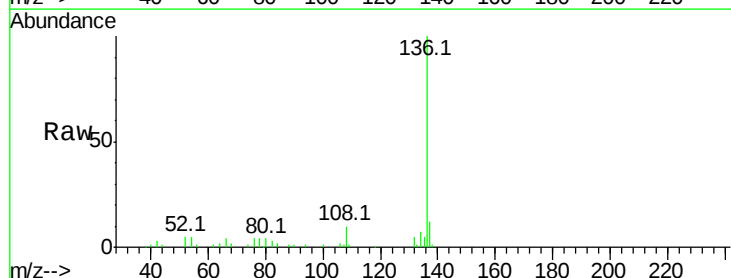
Delta R.T. -0.01 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

Tgt Ion: 136 Resp: 81921

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	4.9	10.3	15.5
68	2.4	4.5	6.7



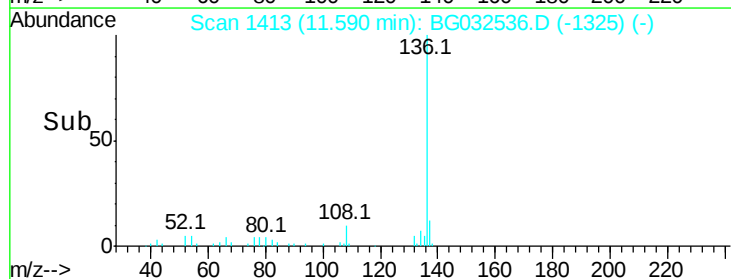
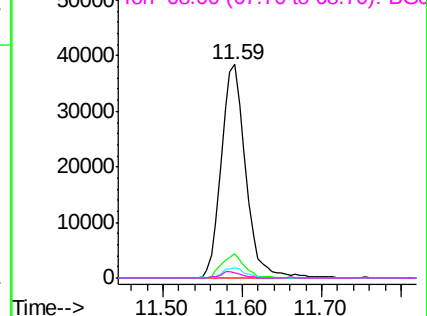
Abundance

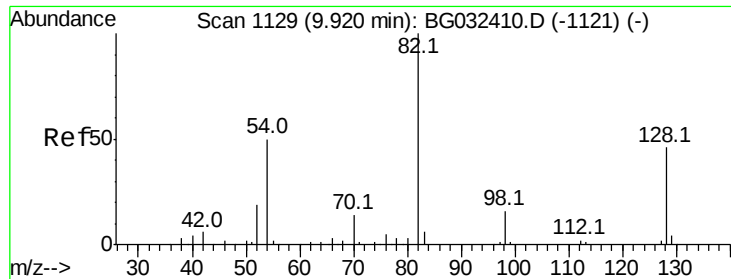
Ion 136.00 (135.70 to 136.70): BGC

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

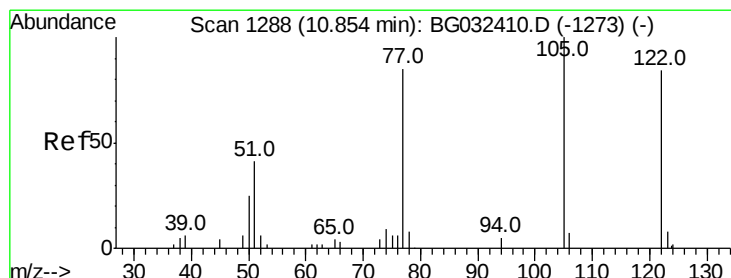
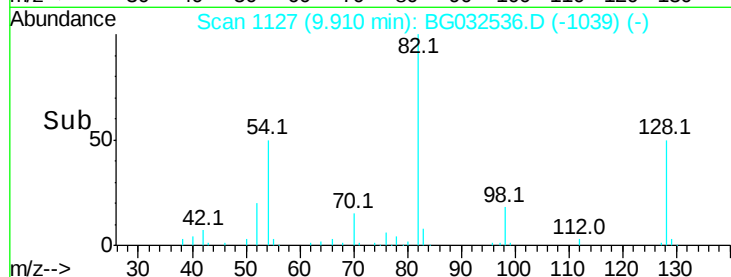
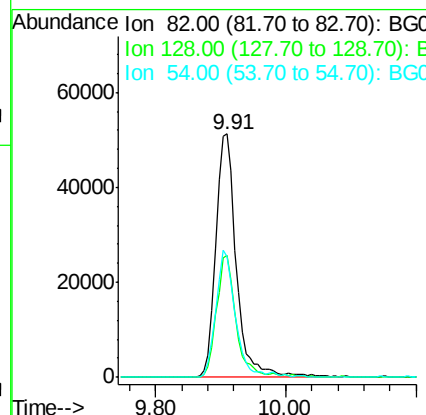
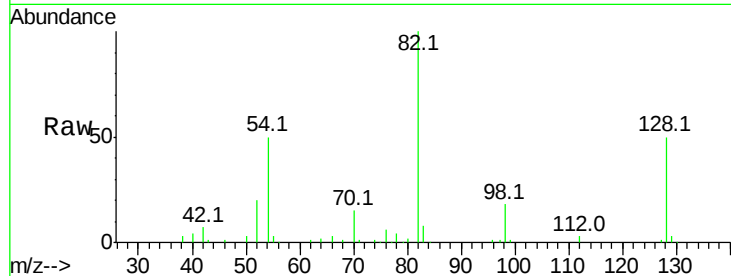




#23
 Nitrobenzene-d5
 Concen: 85.624 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032536.D
 Acq: 5 Feb 2018 16:31

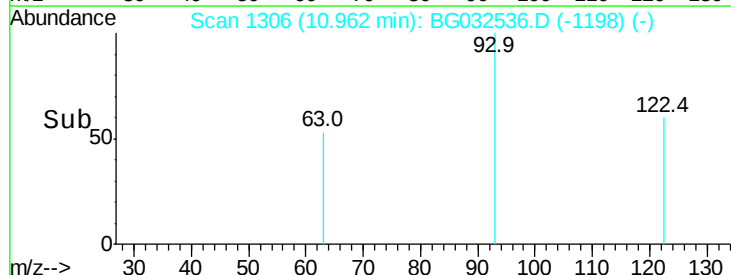
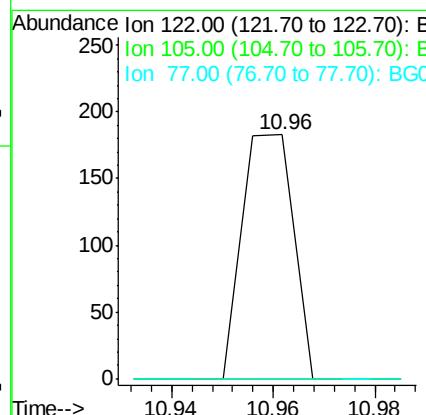
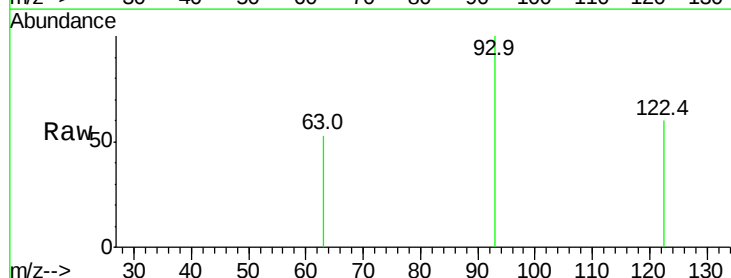
Instrument :
 BNA_G
 ClientSampleId :

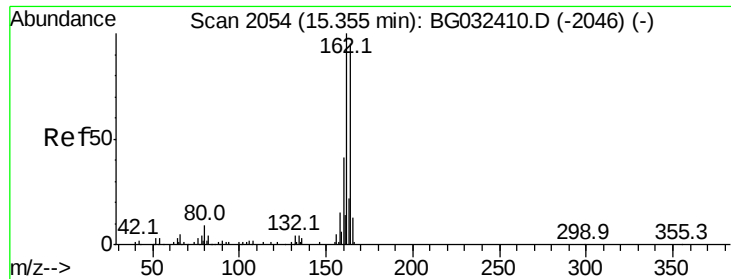
Tot Ion: 82 Resp: 112302
 Ion Ratio Lower Upper
 82 100
 128 49.9 29.7 44.5#
 54 49.7 43.1 64.7



#32
 Benzoic acid
 Concen: 7.417 ng
 RT: 10.96 min Scan# 1306
 Delta R.T. 0.11 min
 Lab File: BG032536.D
 Acq: 5 Feb 2018 16:31

Tgt Ion:122 Resp: 129
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#

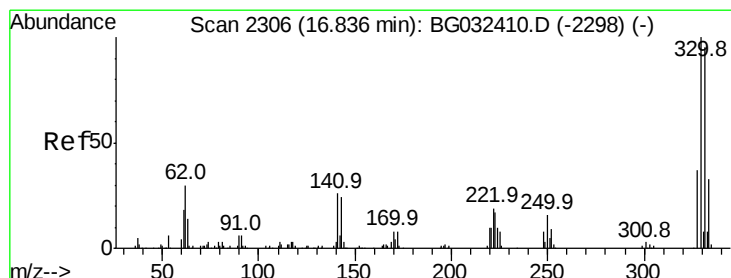
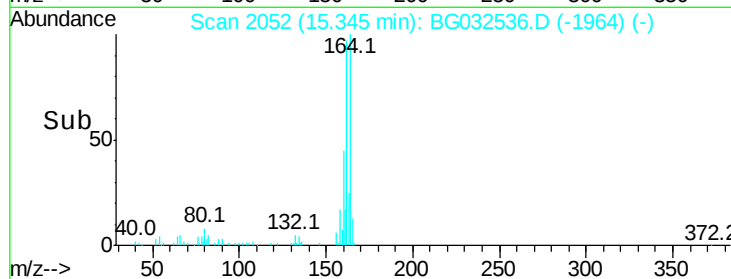
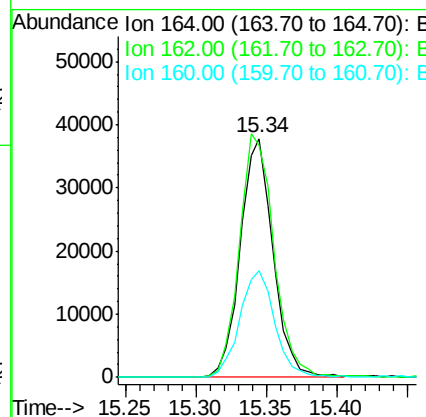
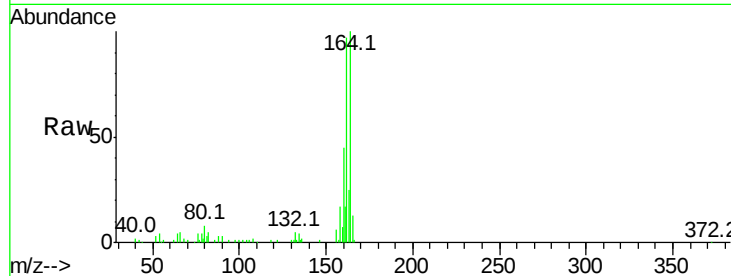




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032536.D
Acq: 5 Feb 2018 16:31

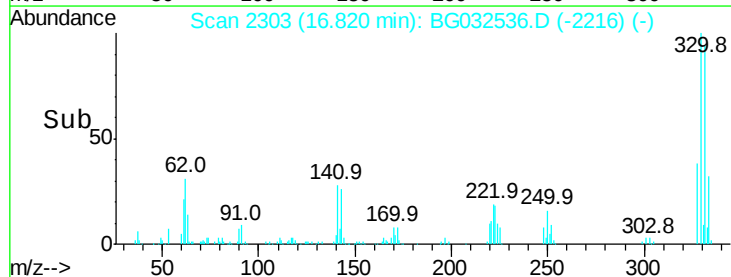
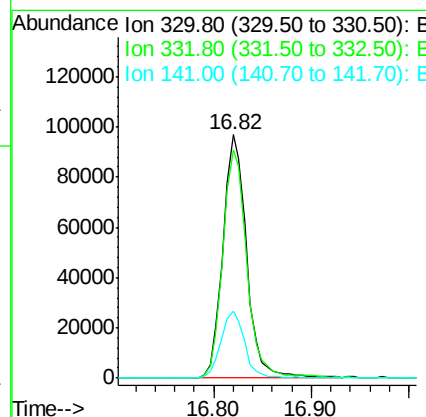
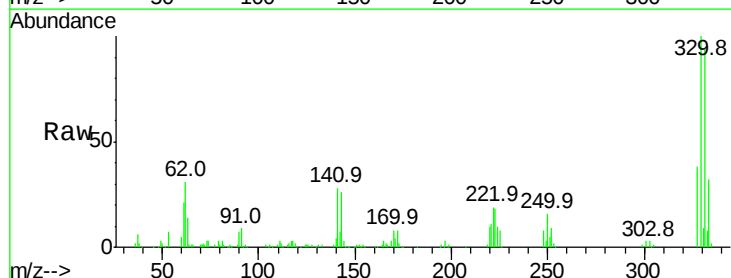
Instrument :
BNA_G
ClientSampleId :

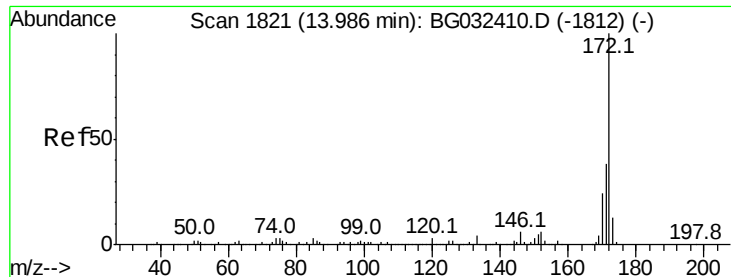
Tot Ion:164 Resp: 61135
Ion Ratio Lower Upper
164 100
162 97.1 78.8 118.2
160 44.7 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 140.758 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.02 min
Lab File: BG032536.D
Acq: 5 Feb 2018 16:31

Tgt Ion:330 Resp: 163801
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 27.2 25.2 37.8

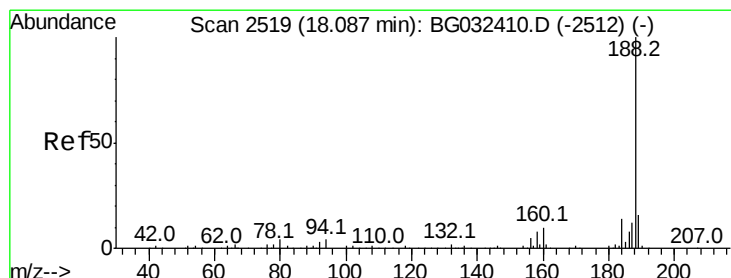
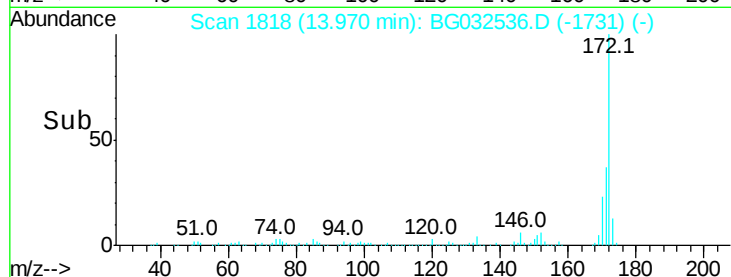
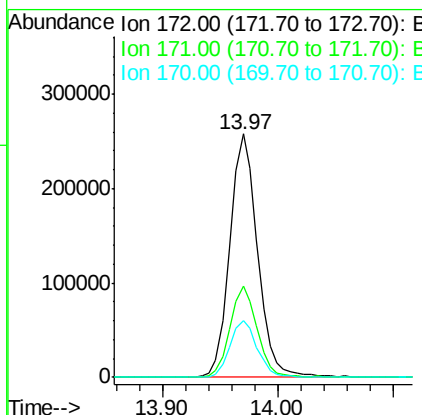
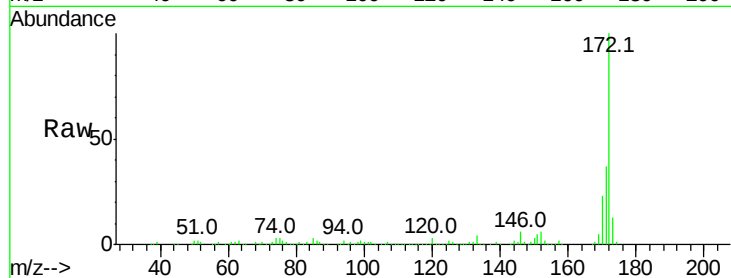




#44
 2-Fluorobiphenyl
 Concen: 83.201 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032536.D
 Acq: 5 Feb 2018 16:31

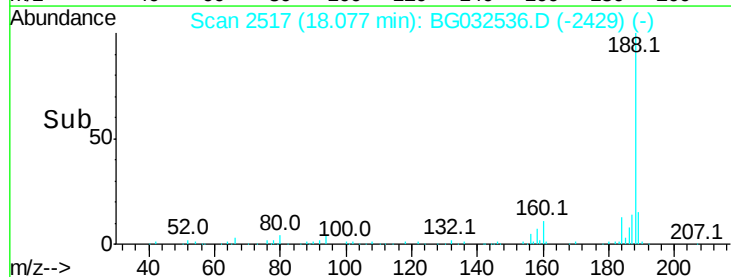
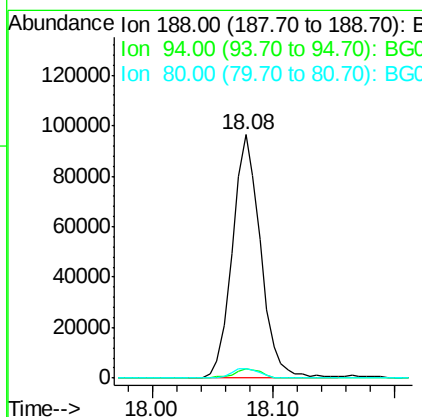
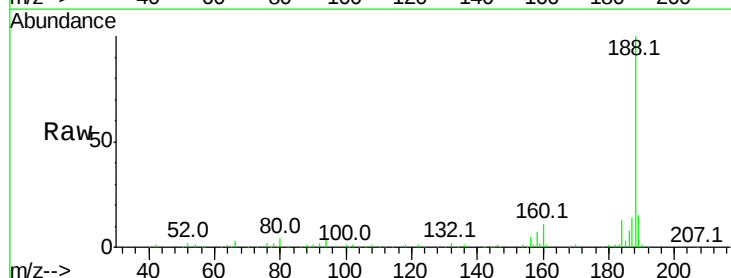
Instrument :
 BNA_G
 ClientSampleId :

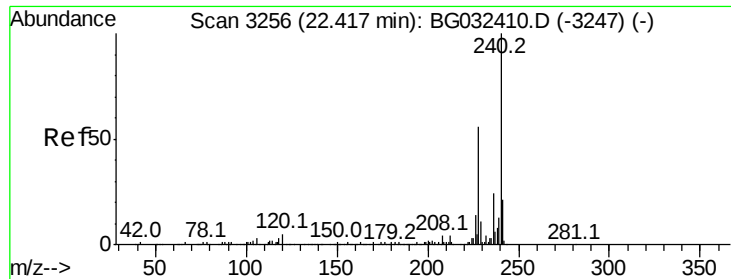
Tot Ion:172 Resp: 427952
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 23.1 19.5 29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032536.D
 Acq: 5 Feb 2018 16:31

Tgt Ion:188 Resp: 157555
 Ion Ratio Lower Upper
 188 100
 94 3.9 6.9 10.3#
 80 3.9 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

Instrument :

BNA_G

ClientSampleId :

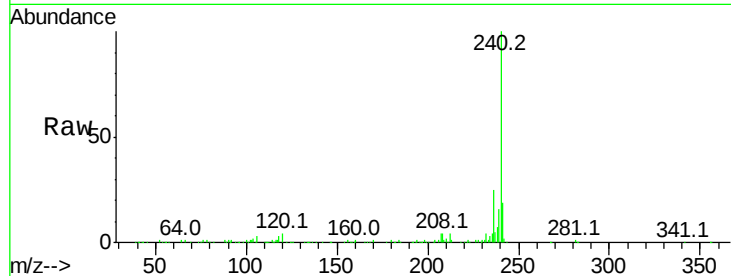
Tot Ion:240 Resp: 209938

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

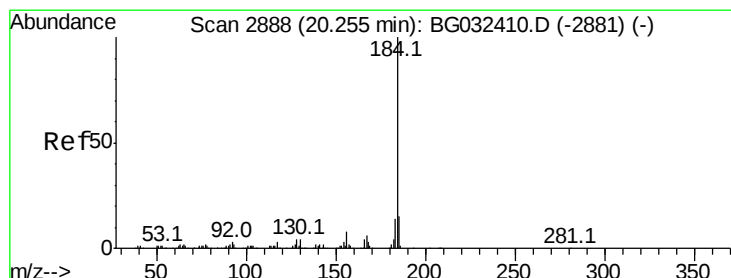
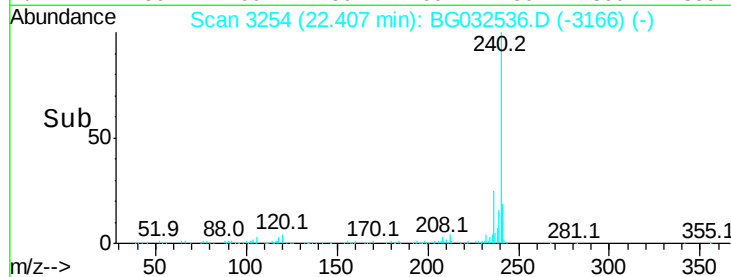
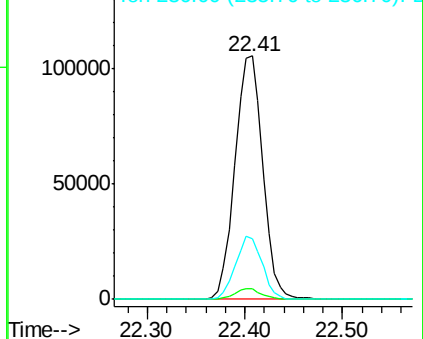
236 24.9 20.9 31.3



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: 3.060 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

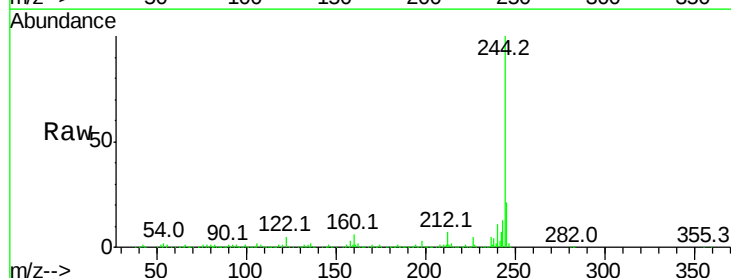
Tgt Ion:184 Resp: 12615

Ion Ratio Lower Upper

184 100

185 20.4 11.1 16.7#

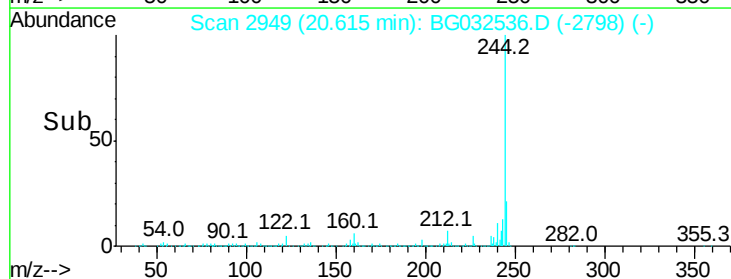
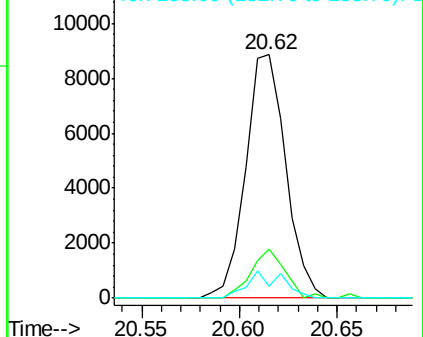
183 5.1 10.6 16.0#

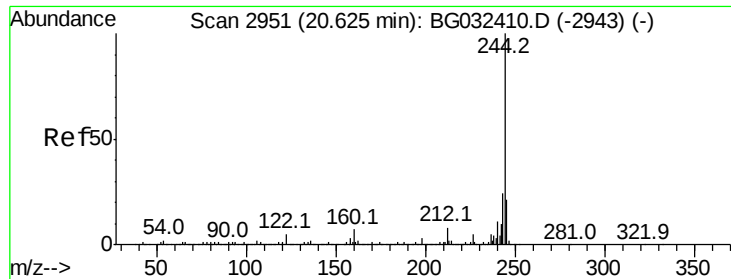


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.292 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

Instrument :

BNA_G

ClientSampleId :

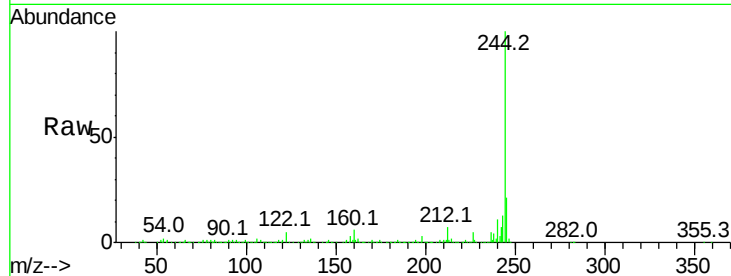
Tot Ion:244 Resp: 914320

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

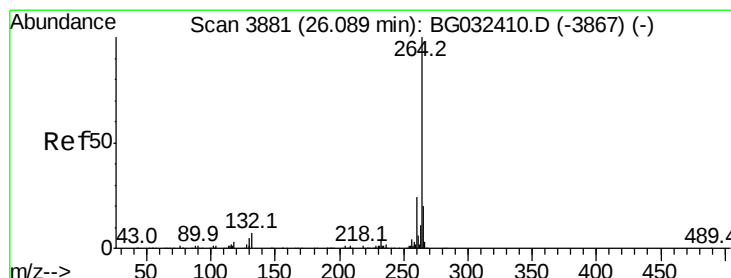
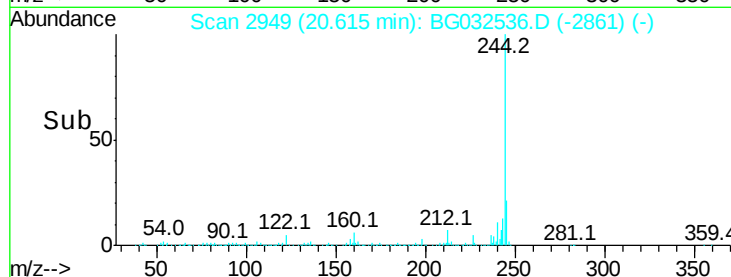
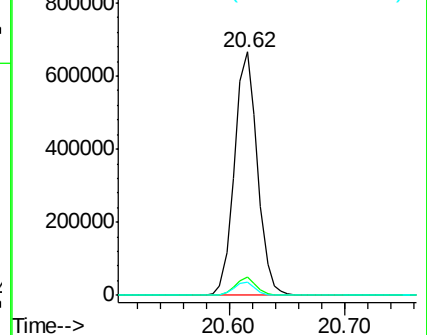
122 5.3 7.0 10.4#



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: 26.07 min Scan# 3878

Delta R.T. -0.02 min

Lab File: BG032536.D

Acq: 5 Feb 2018 16:31

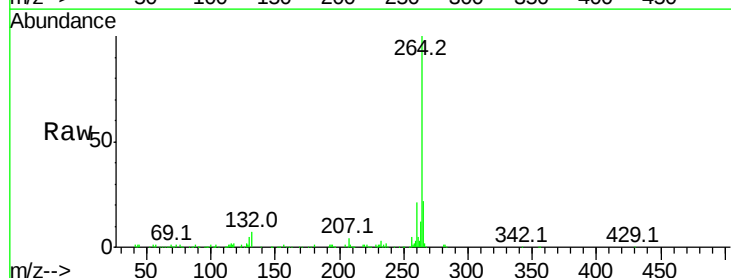
Tgt Ion:264 Resp: 227040

Ion Ratio Lower Upper

264 100

260 20.9 17.4 26.0

265 22.0 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

