

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091017\
 Data File : BG028624.D
 Acq On : 9 Sep 2017 20:56
 Operator : SJ/JU
 Sample : I5167-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CPS073061

Quant Time: Sep 11 08:11:15 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 07 18:39:50 2017
 Response via : Initial Calibration

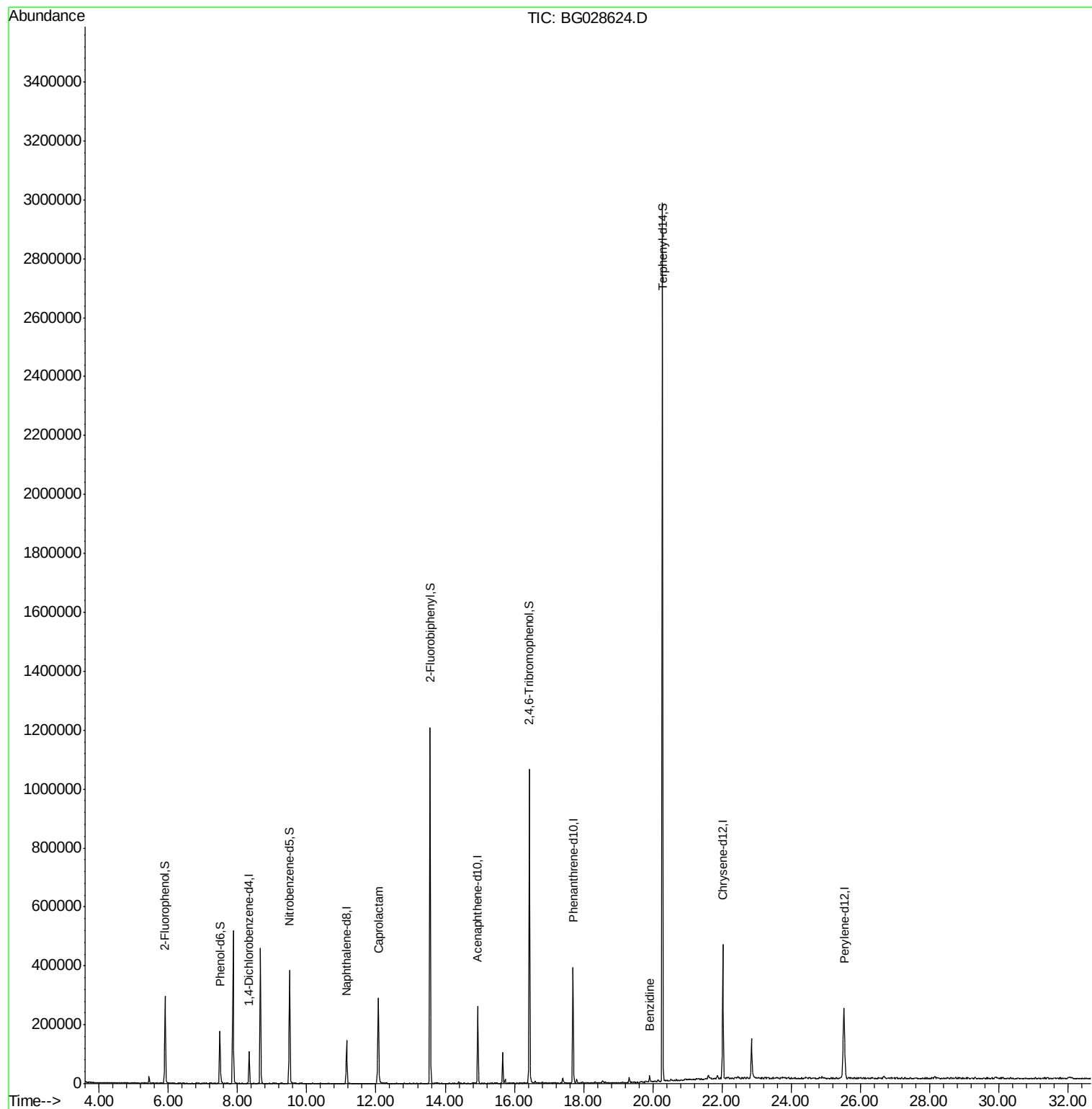
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	30750	20.00	ng	0.00
21) Naphthalene-d8	11.16	136	127444	20.00	ng	0.00
38) Acenaphthene-d10	14.95	164	92023	20.00	ng	0.00
63) Phenanthrene-d10	17.70	188	256408	20.00	ng	0.00
75) Chrysene-d12	22.03	240	305611	20.00	ng	-0.01
86) Perylene-d12	25.52	264	302979	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.91	112	128289	70.25	ng	0.00
7) Phenol-d6	7.49	99	109419	41.31	ng	0.00
23) Nitrobenzene-d5	9.51	82	245804	88.56	ng	0.00
41) 2,4,6-Tribromophenol	16.44	330	231722	165.67	ng	0.00
44) 2-Fluorobiphenyl	13.57	172	638127	90.72	ng	0.00
78) Terphenyl-d14	20.28	244	1301388	91.75	ng	0.00
Target Compounds						
35) Caprolactam	12.07	113	57050	69.902	ng	94
76) Benzidine	19.91	184	15516	2.499	ng	98

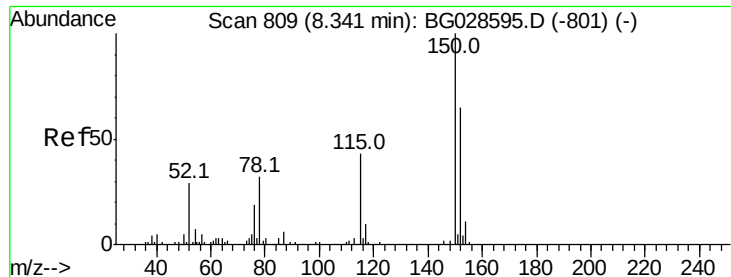
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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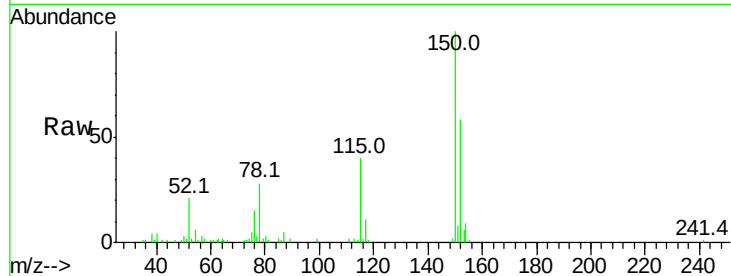


#1

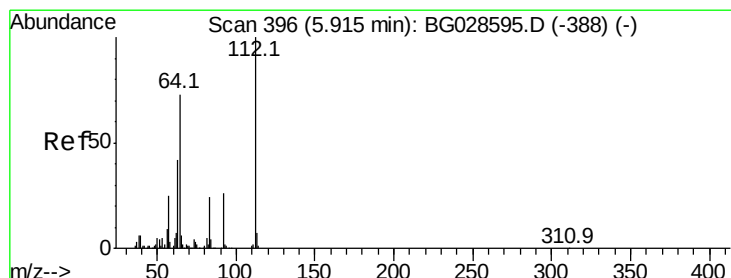
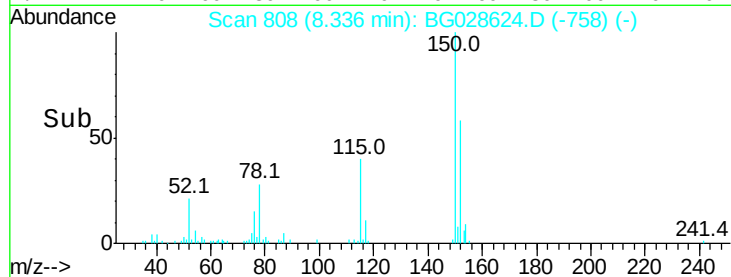
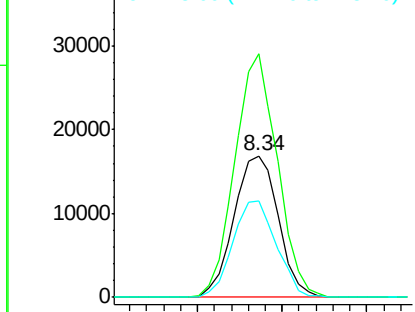
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.34 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG028624.D
Acq: 9 Sep 2017 20:56

Instrument :
BNA_G
ClientSampleId :
CPS073061

Tot Ion:152 Resp: 30750
Ion Ratio Lower Upper
152 100
150 171.7 114.0 171.0#
115 68.3 48.1 72.1



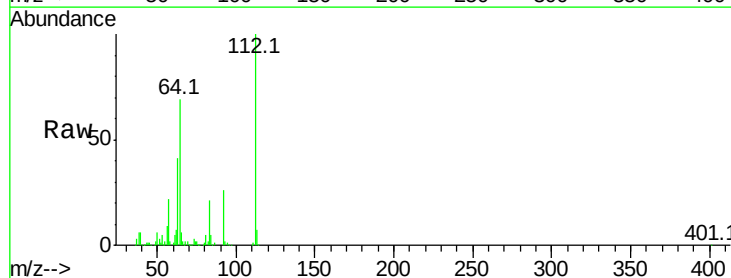
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



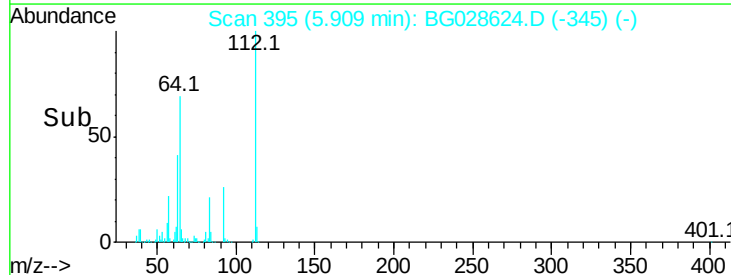
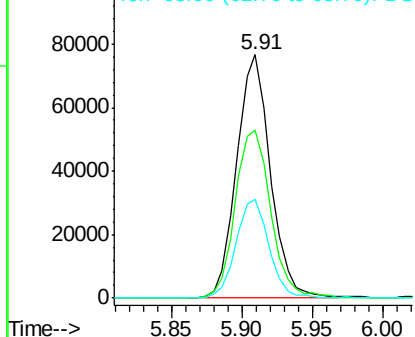
#5

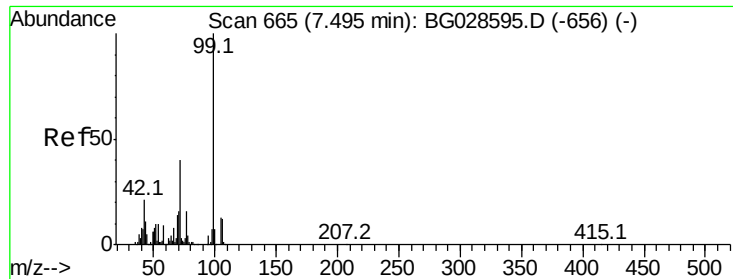
2-Fluorophenol
Concen: 70.245 ng
RT: 5.91 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG028624.D
Acq: 9 Sep 2017 20:56

Tgt Ion:112 Resp: 128289
Ion Ratio Lower Upper
112 100
64 68.8 61.8 92.6
63 40.6 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 41.306 ng

RT: 7.49 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

CPS073061

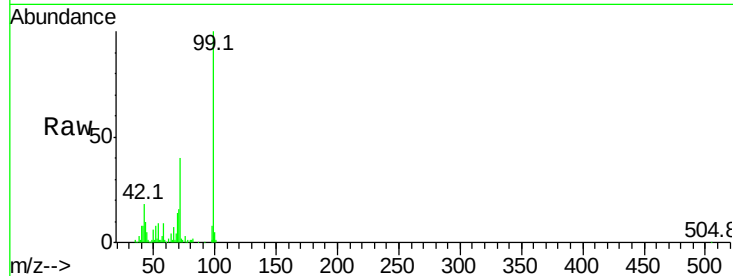
Tot Ion: 99 Resp: 109419

Ion Ratio Lower Upper

99 100

42 18.4 20.5 30.7#

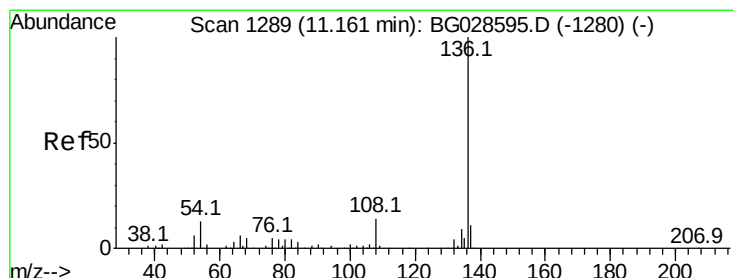
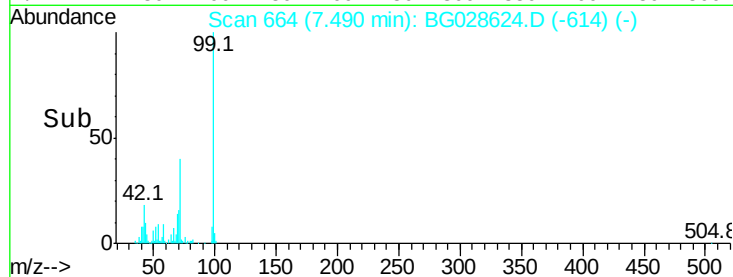
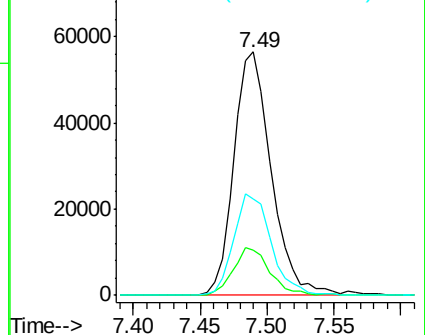
71 39.5 37.6 56.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

Tgt Ion:136 Resp: 127444

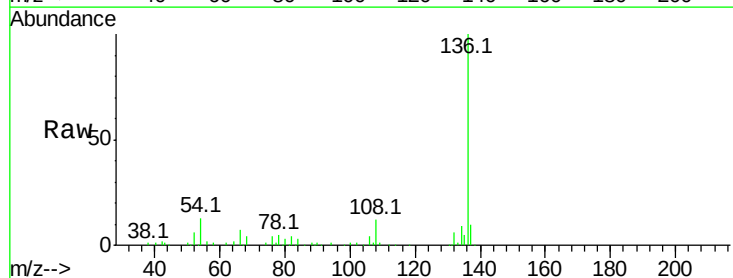
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 12.7 9.3 13.9

68 4.1 5.1 7.7#

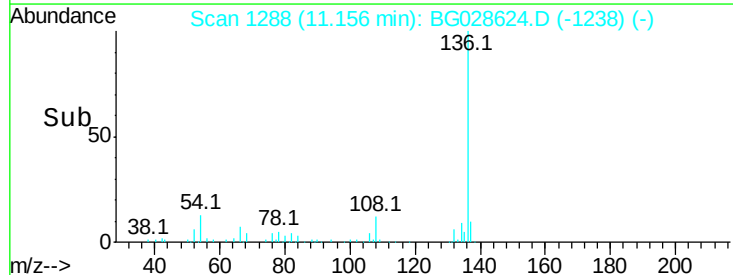
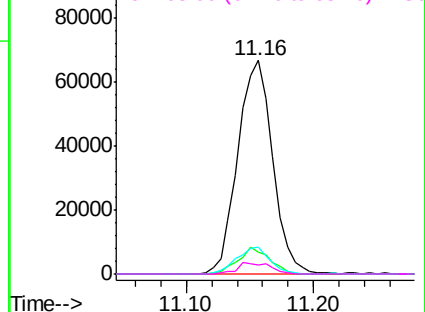


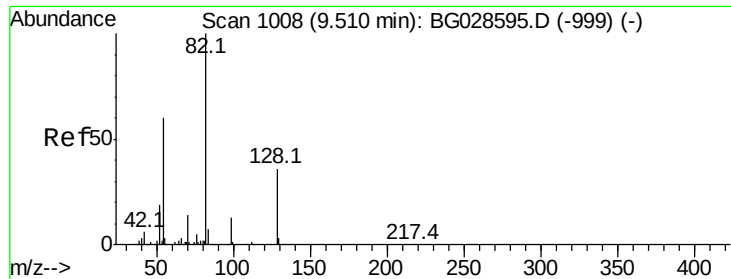
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

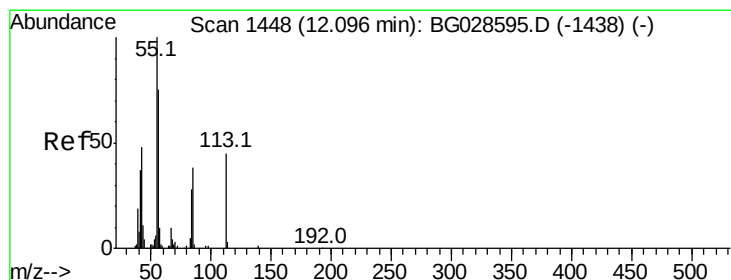
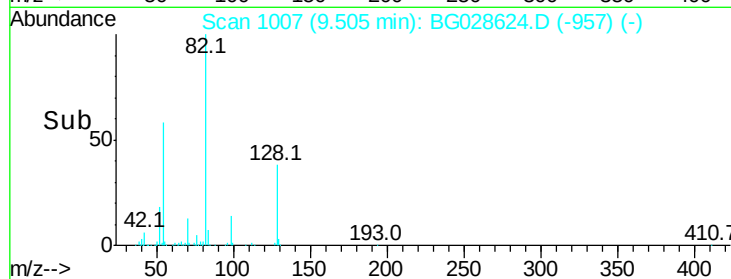
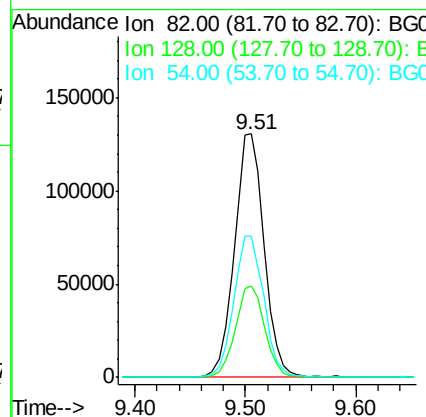
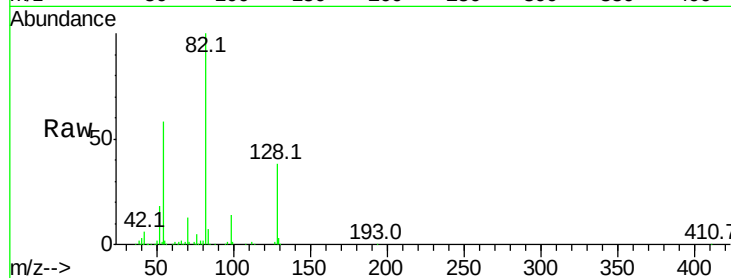




#23
Nitrobenzene-d5
Concen: 88.563 ng
RT: 9.51 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG028624.D
Acq: 9 Sep 2017 20:56

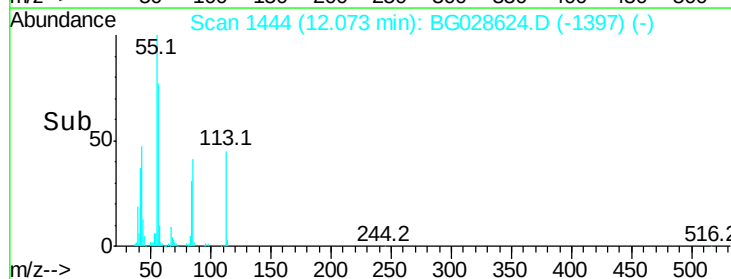
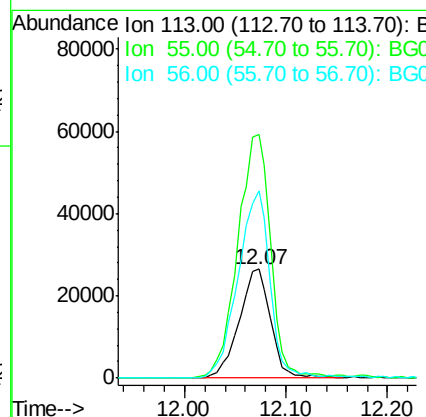
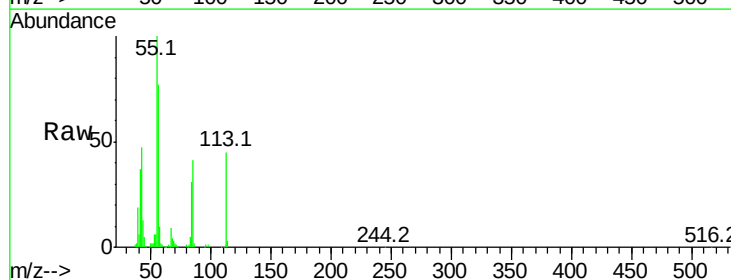
Instrument :
BNA_G
ClientSampleId :
CPS073061

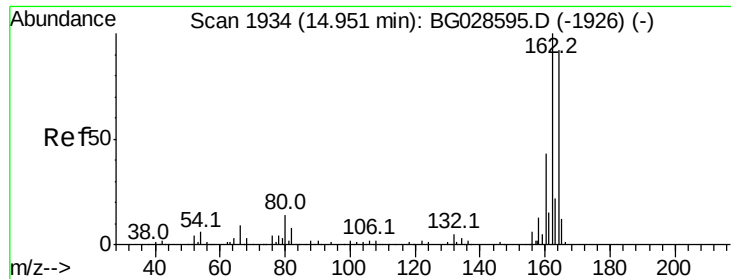
Tot Ion	82	Resp	245804
Ion Ratio	Lower	Upper	
82	100		
128	37.6	26.4	39.6
54	58.0	49.4	74.2



#35
Caprolactam
Concen: 69.902 ng
RT: 12.07 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BG028624.D
Acq: 9 Sep 2017 20:56

Tgt Ion	113	Resp	57050
Ion Ratio	Lower	Upper	
113	100		
55	224.0	198.6	238.6
56	172.2	140.4	180.4

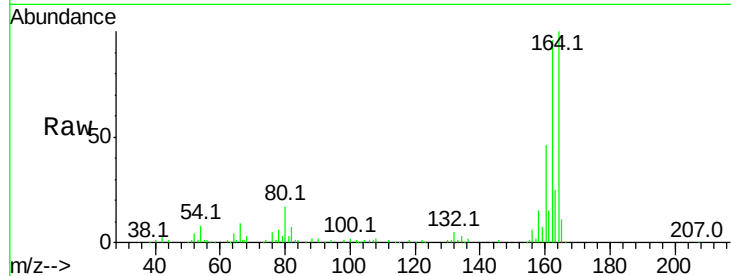




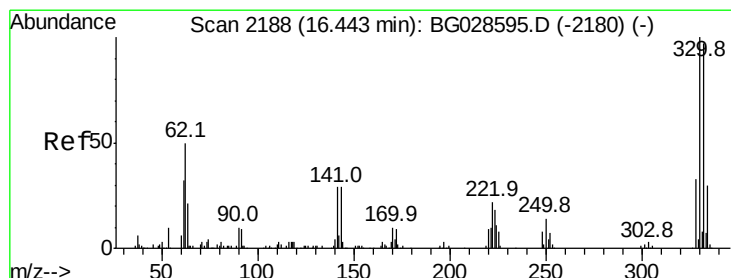
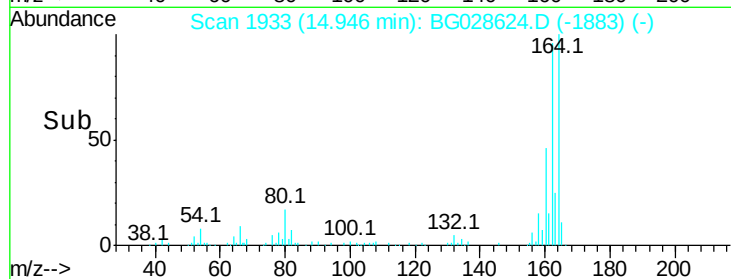
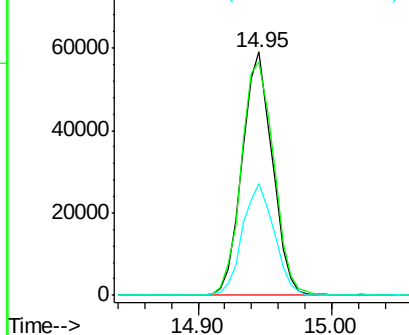
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.95 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BG028624.D
 Acq: 9 Sep 2017 20:56

Instrument :
 BNA_G
 ClientSampleId :
 CPS073061

Tot Ion:164 Resp: 92023
 Ion Ratio Lower Upper
 164 100
 162 95.7 85.1 127.7
 160 45.8 34.7 52.1

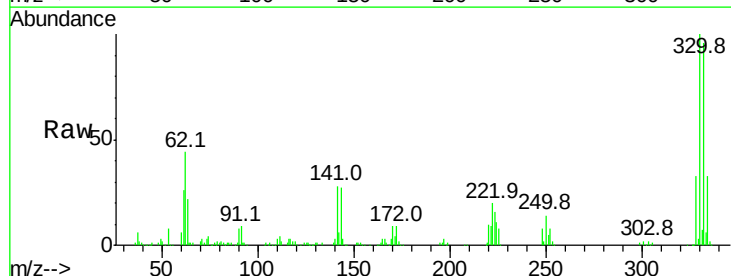


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

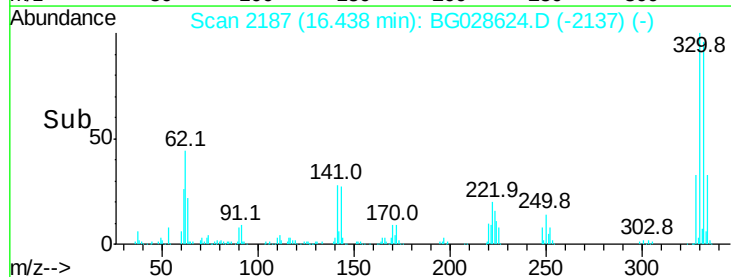
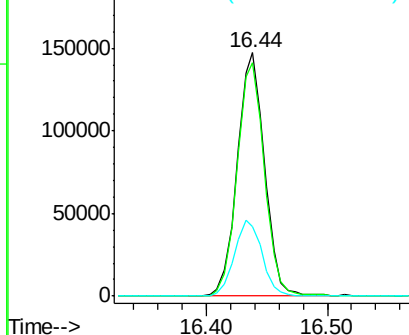


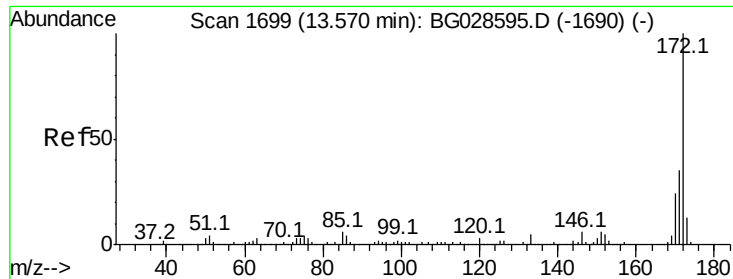
#41
 2,4,6-Tribromophenol
 Concen: 165.675 ng
 RT: 16.44 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG028624.D
 Acq: 9 Sep 2017 20:56

Tgt Ion:330 Resp: 231722
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 31.9 32.1 48.1#



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

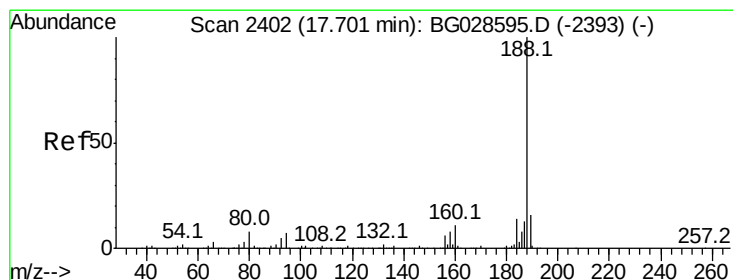
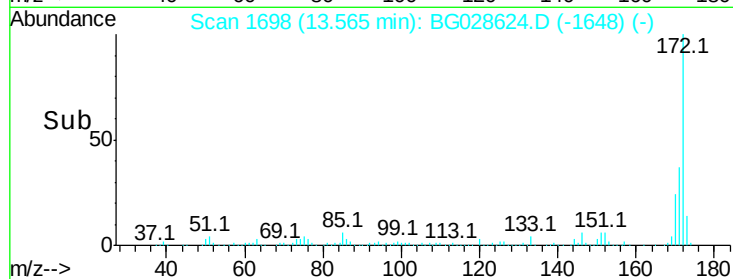
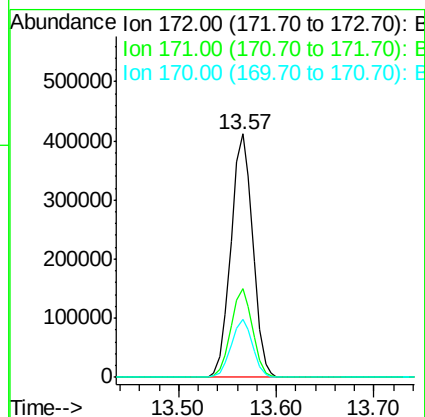
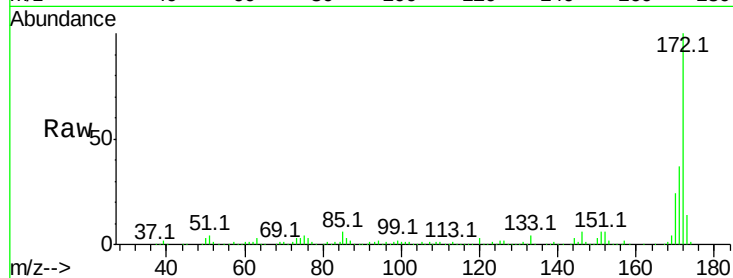




#44
 2-Fluorobiphenyl
 Concen: 90.718 ng
 RT: 13.57 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: BG028624.D
 Acq: 9 Sep 2017 20:56

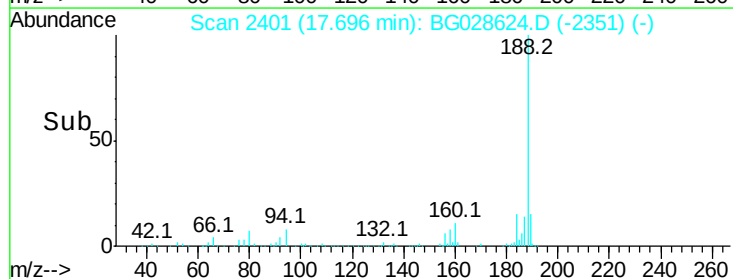
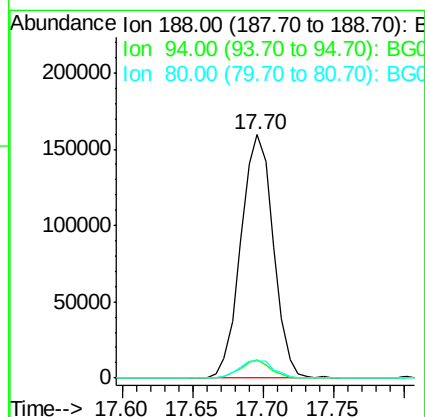
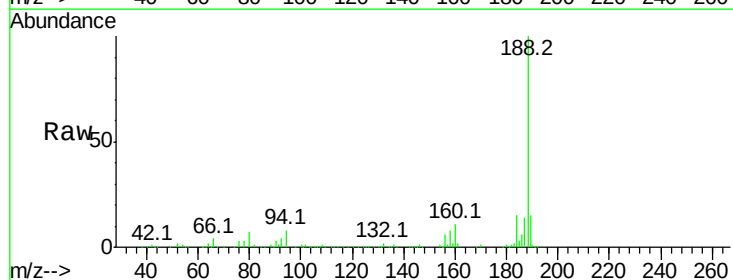
Instrument :
 BNA_G
 ClientSampled :
 CPS073061

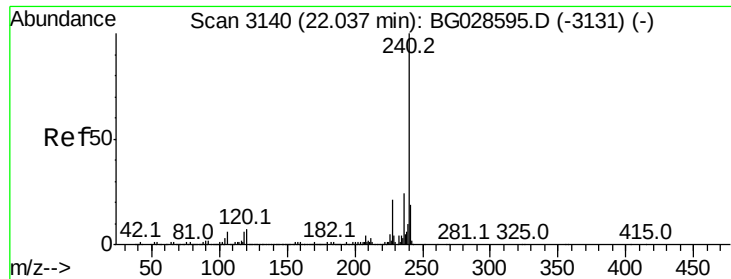
Tot Ion:172 Resp: 638127
 Ion Ratio Lower Upper
 172 100
 171 36.6 32.2 48.2
 170 23.9 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.70 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BG028624.D
 Acq: 9 Sep 2017 20:56

Tgt Ion:188 Resp: 256408
 Ion Ratio Lower Upper
 188 100
 94 7.8 5.8 8.8
 80 6.8 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

CPS073061

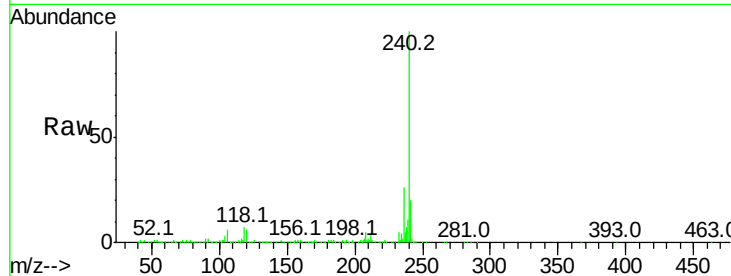
Tot Ion:240 Resp: 305611

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

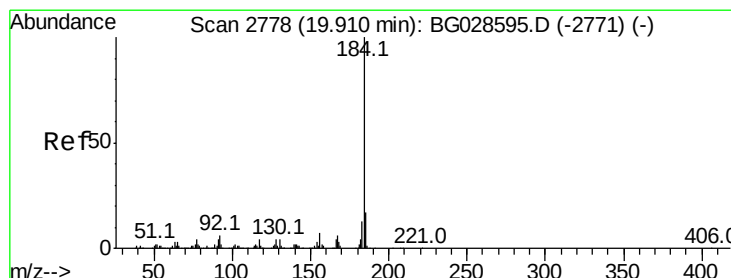
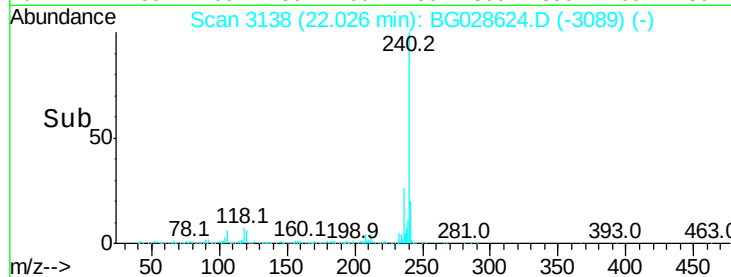
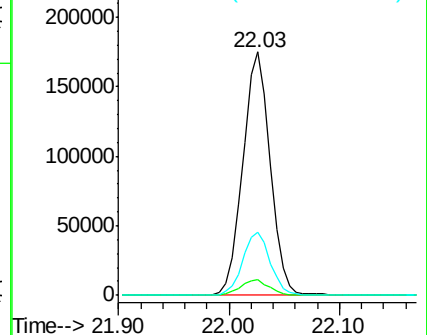
236 25.7 22.2 33.4



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: 2.499 ng

RT: 19.91 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

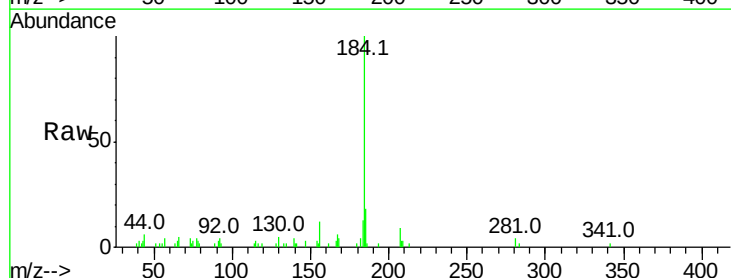
Tgt Ion:184 Resp: 15516

Ion Ratio Lower Upper

184 100

185 17.7 13.0 19.6

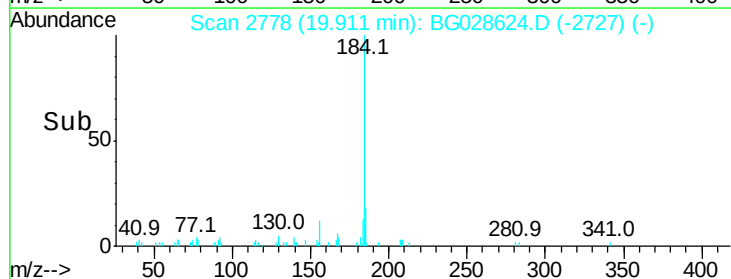
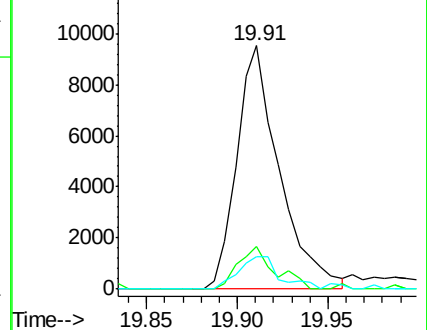
183 13.2 11.0 16.6

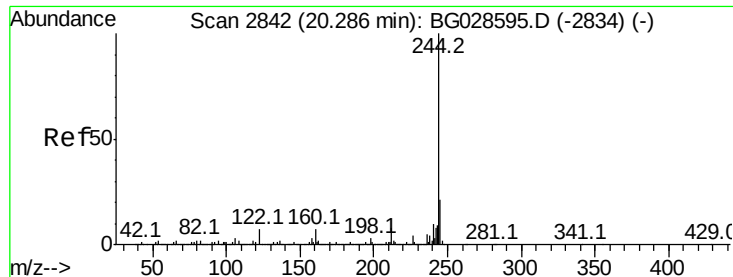


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.746 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

CPS073061

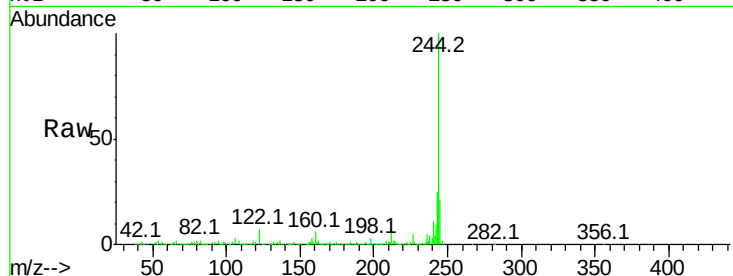
Tot Ion:244 Resp: 1301388

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

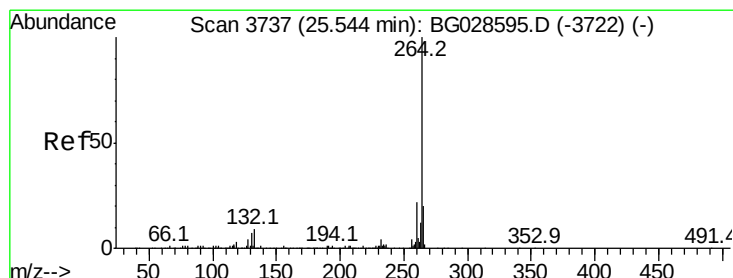
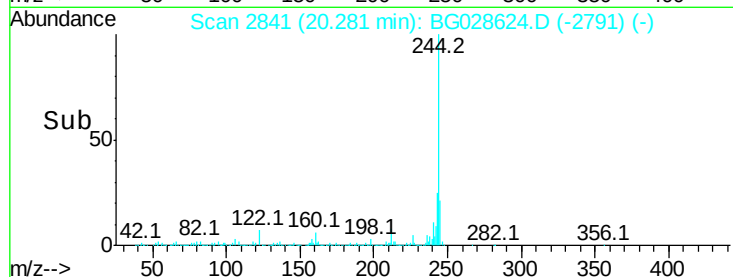
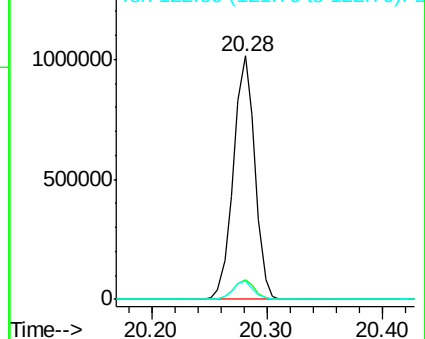
122 7.4 8.6 12.8#



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: 20.000 ng

RT: 25.52 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG028624.D

Acq: 9 Sep 2017 20:56

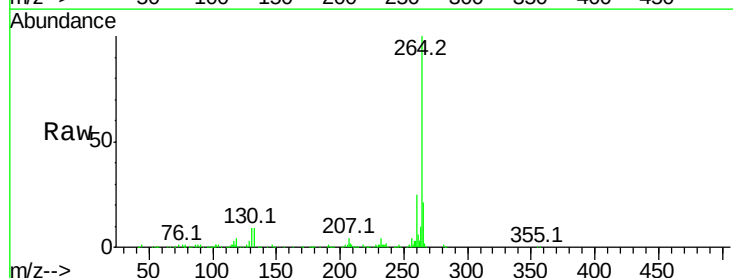
Tgt Ion:264 Resp: 302979

Ion Ratio Lower Upper

264 100

260 24.9 21.8 32.8

265 20.6 18.2 27.4



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

