

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033934.D
 Acq On : 24 Apr 2018 00:27
 Operator : SJ/JU
 Sample : J2152-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-042018

Quant Time: Apr 24 04:22:21 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

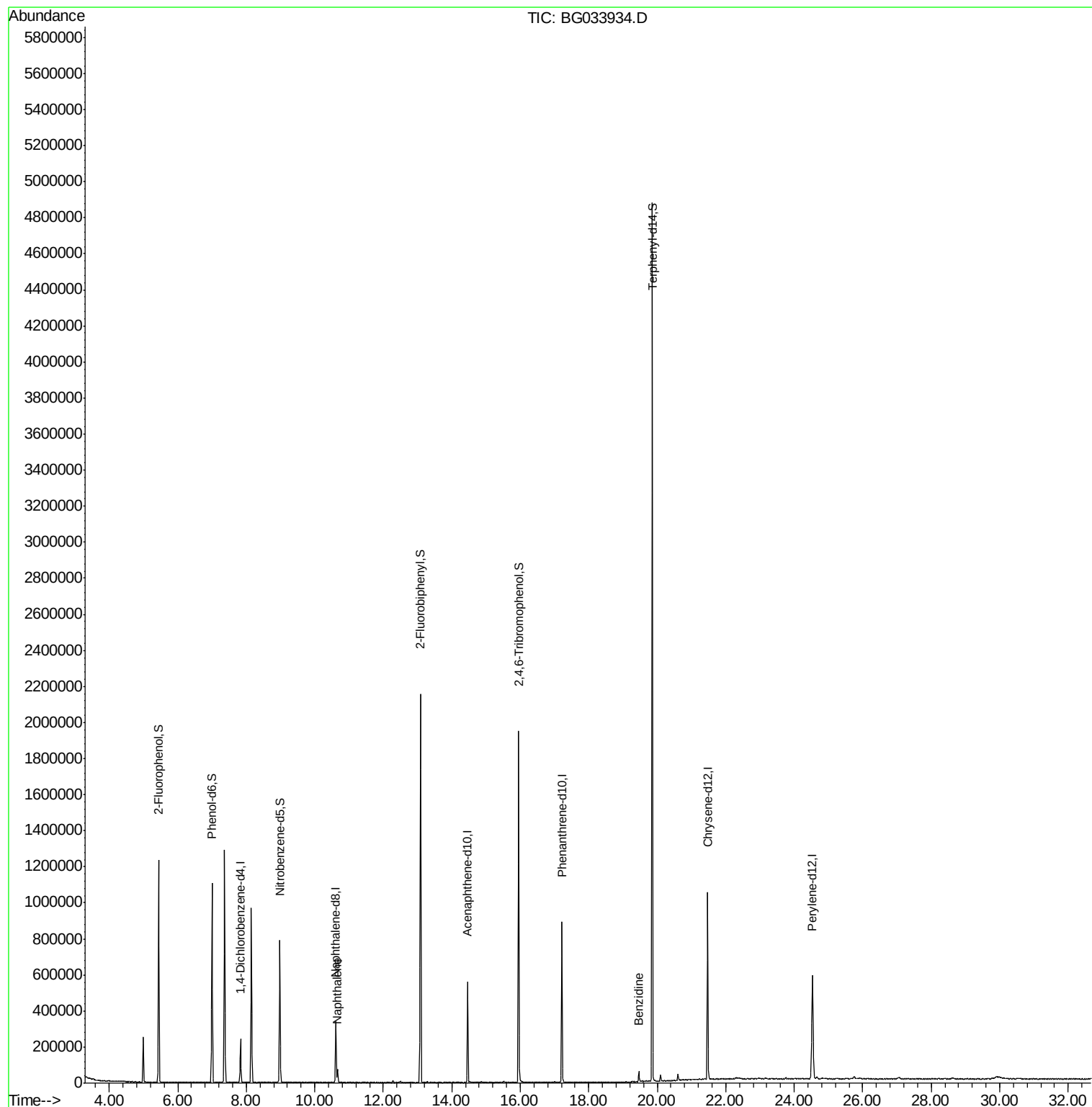
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	64541	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	281385	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	189313	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	549800	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	601638	20.00	ng	-0.02
86) Perylene-d12	24.53	264	616057	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	514827	127.35	ng	0.00
7) Phenol-d6	7.00	99	616868	104.62	ng	0.00
23) Nitrobenzene-d5	8.98	82	466914	94.43	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	350065	158.50	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1121269	87.01	ng	-0.01
78) Terphenyl-d14	19.85	244	2200735	82.18	ng	-0.01
Target Compounds						
31) Naphthalene	10.67	128	61652	4.261	ng	99
76) Benzidine	19.46	184	37577	2.313	ng	99

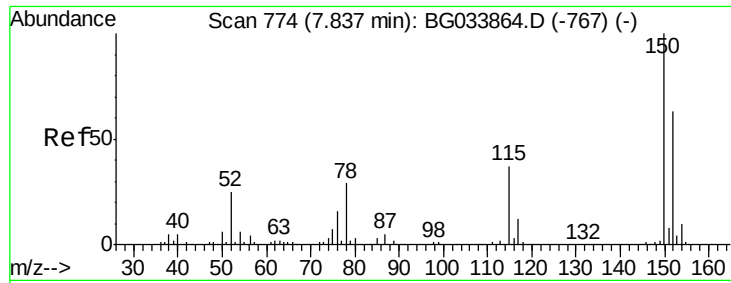
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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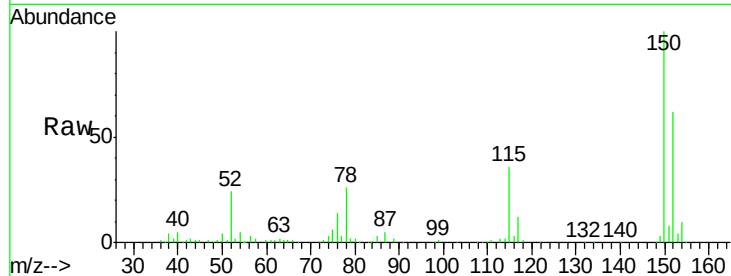


#1

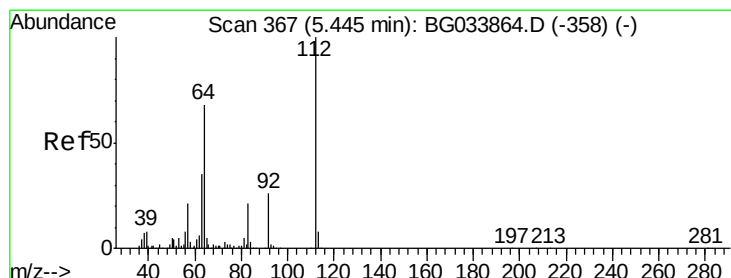
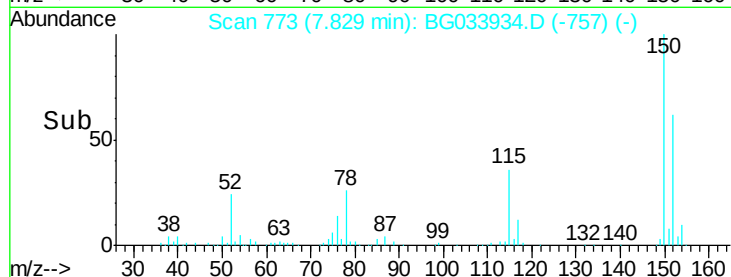
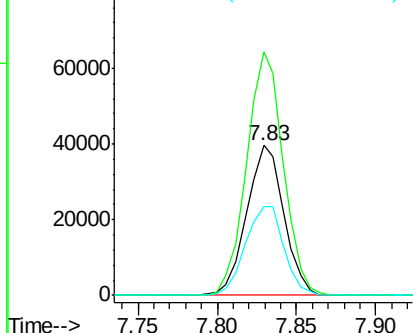
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-042018

Tot Ion:152 Resp: 64541
 Ion Ratio Lower Upper
 152 100
 150 162.4 126.6 189.8
 115 59.1 53.0 79.4



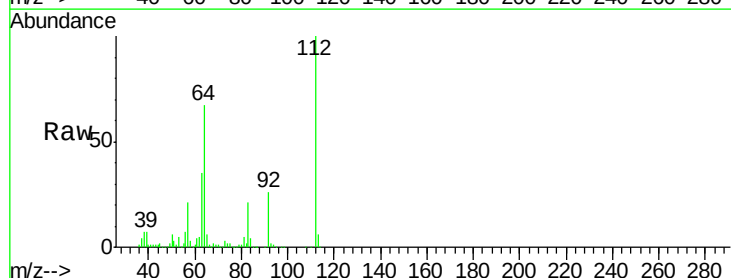
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



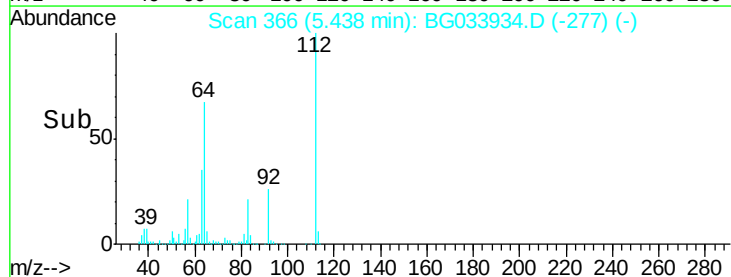
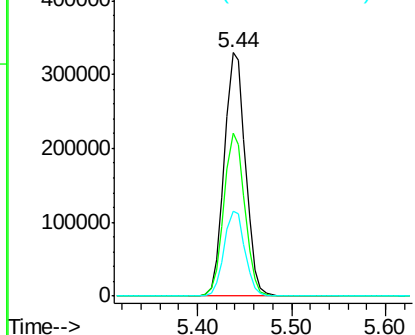
#5

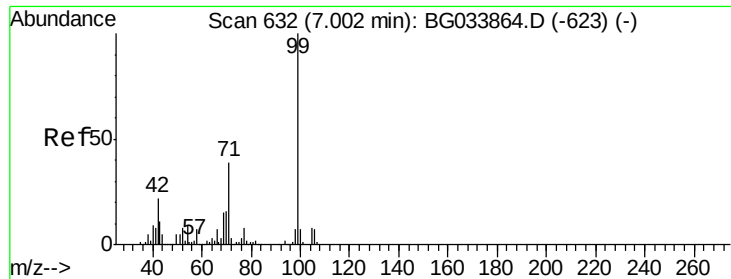
2-Fluorophenol
 Concen: 127.351 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion:112 Resp: 514827
 Ion Ratio Lower Upper
 112 100
 64 66.7 56.3 84.5
 63 34.7 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: 104.619 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

BU-03-042018

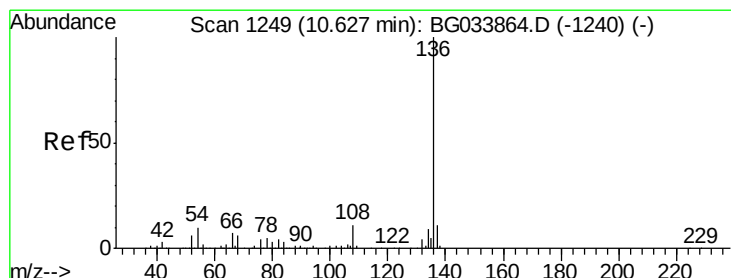
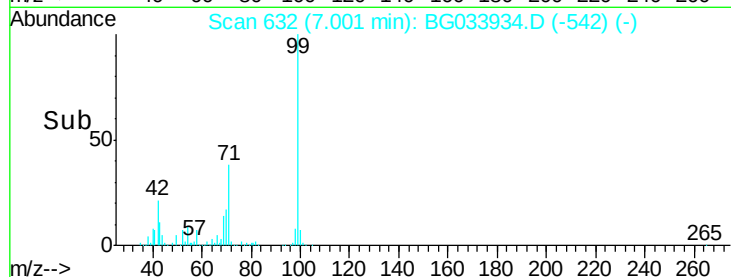
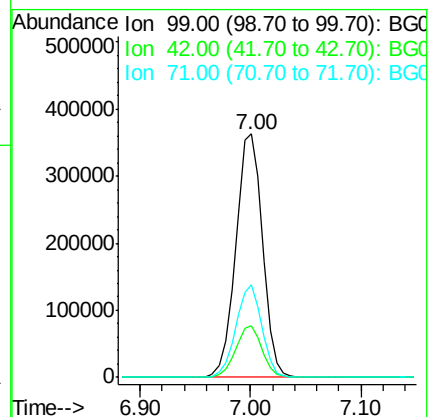
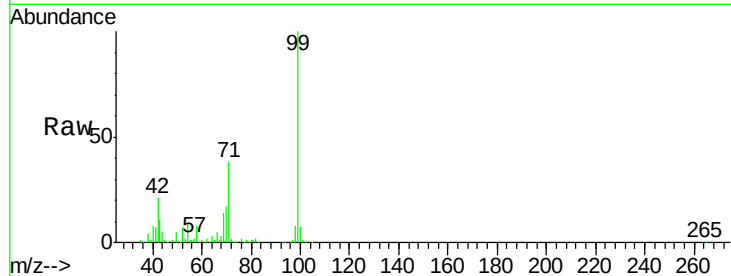
Tot Ion: 99 Resp: 616868

Ion Ratio Lower Upper

99 100

42 20.9 14.1 21.1

71 38.1 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Tgt Ion: 136 Resp: 281385

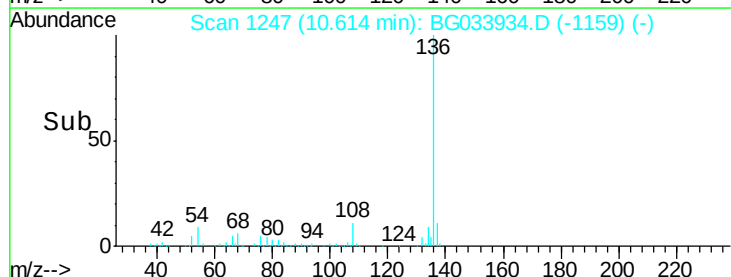
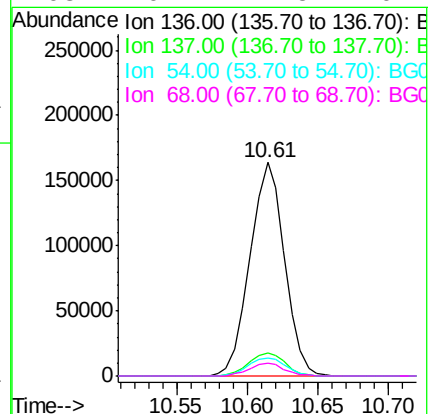
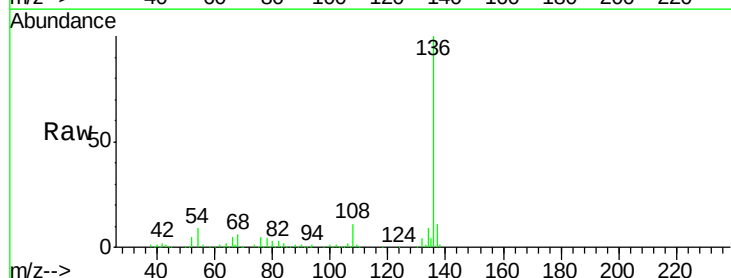
Ion Ratio Lower Upper

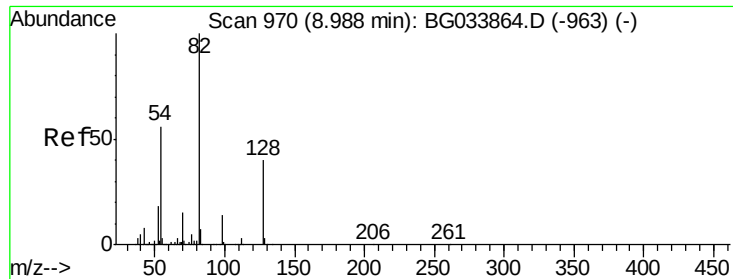
136 100

137 11.0 9.2 13.8

54 8.6 10.3 15.5#

68 6.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 94.433 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

BU-03-042018

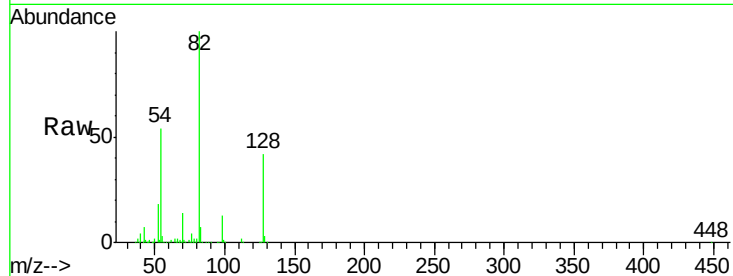
Tot Ion: 82 Resp: 466914

Ion Ratio Lower Upper

82 100

128 42.4 29.7 44.5

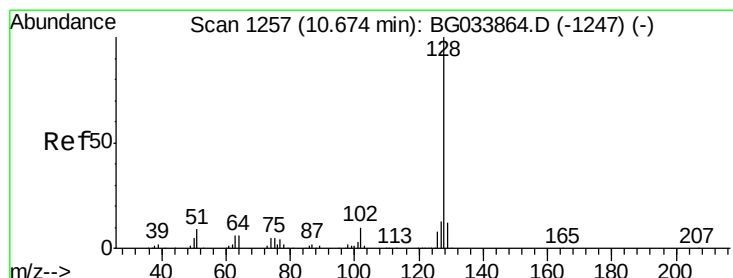
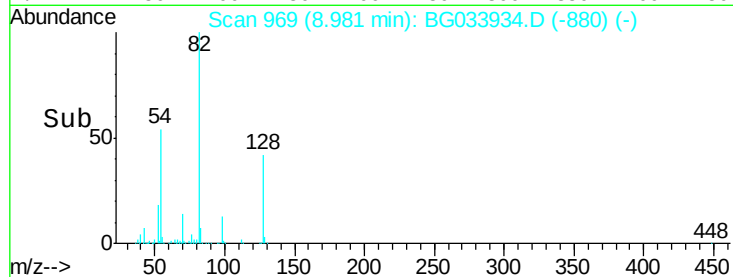
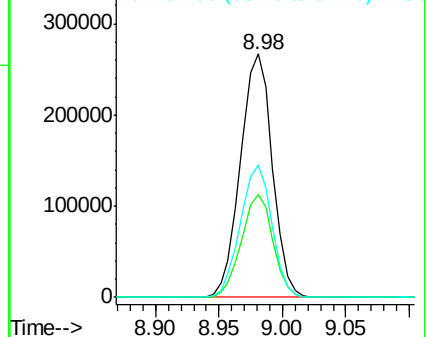
54 54.3 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BG033864.D (-963) (-)

Ion 128.00 (127.70 to 128.70): BG033864.D (-963) (-)

Ion 54.00 (53.70 to 54.70): BG033864.D (-963) (-)



#31

Naphthalene

Concen: 4.261 ng

RT: 10.67 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

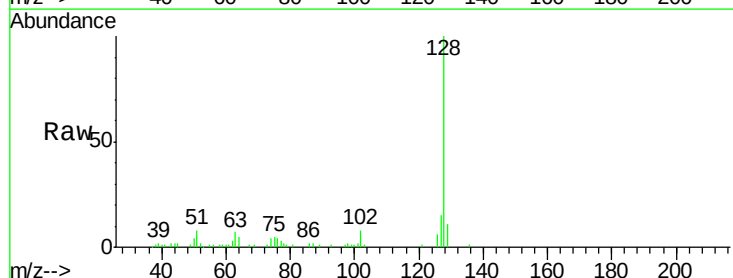
Tgt Ion: 128 Resp: 61652

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

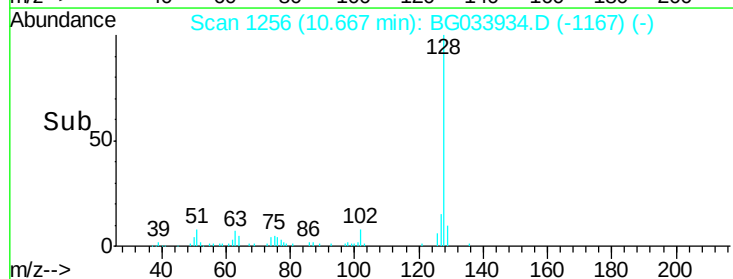
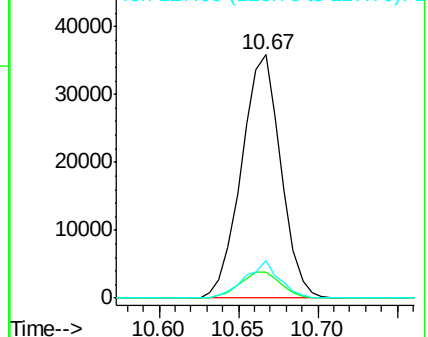
127 15.2 11.6 17.4

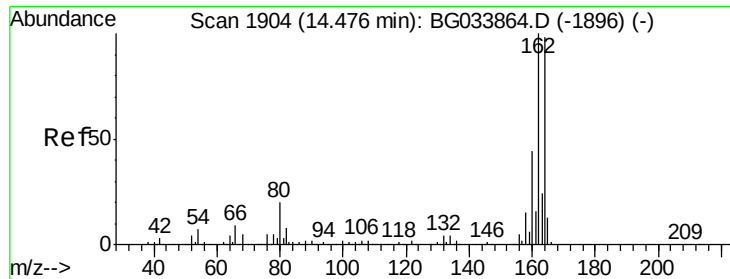


Abundance Ion 128.00 (127.70 to 128.70): BG033864.D (-1247) (-)

Ion 129.00 (128.70 to 129.70): BG033864.D (-1247) (-)

Ion 127.00 (126.70 to 127.70): BG033864.D (-1247) (-)





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

BU-03-042018

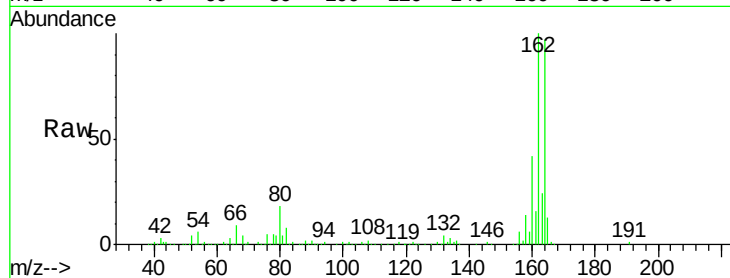
Tot Ion:164 Resp: 189313

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

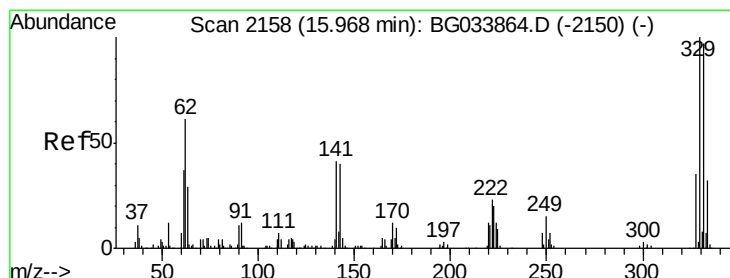
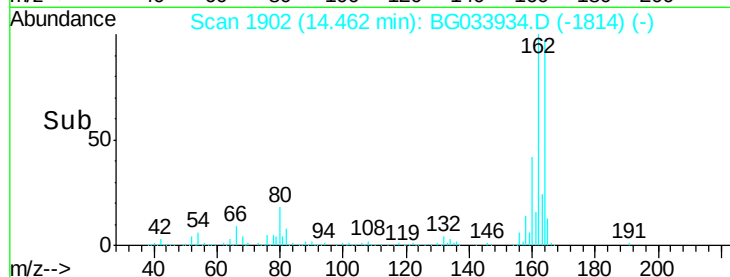
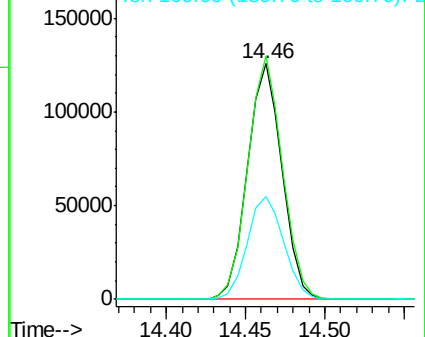
160 43.4 35.4 53.0



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: 158.498 ng

RT: 15.95 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

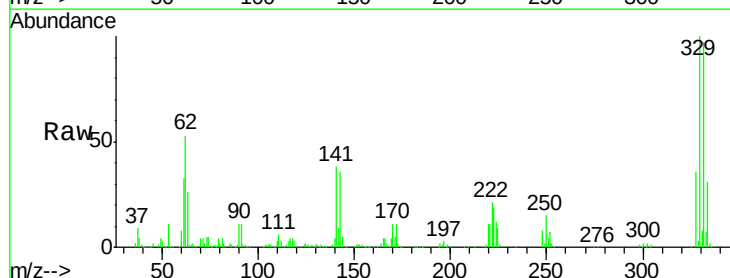
Tgt Ion:330 Resp: 350065

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

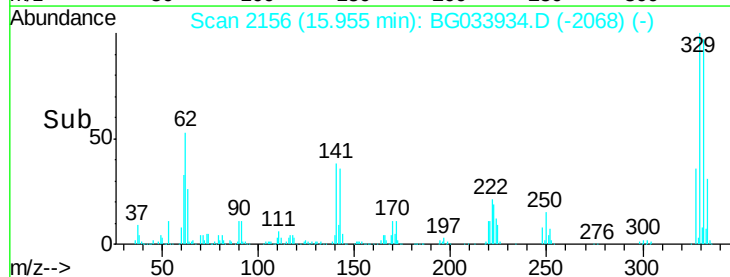
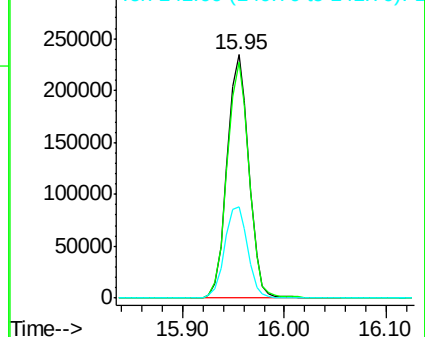
141 39.8 25.2 37.8#

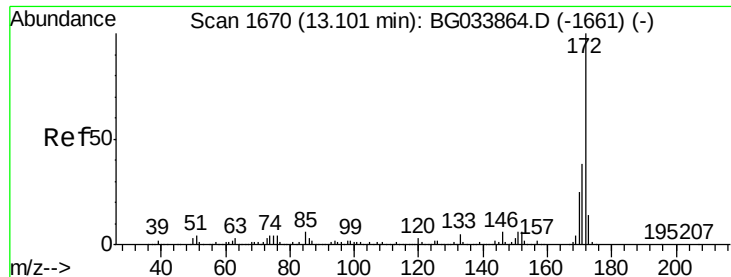


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



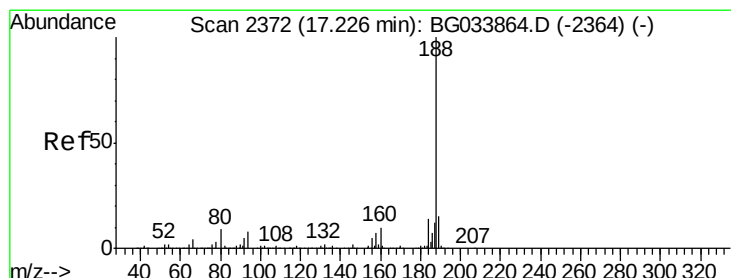
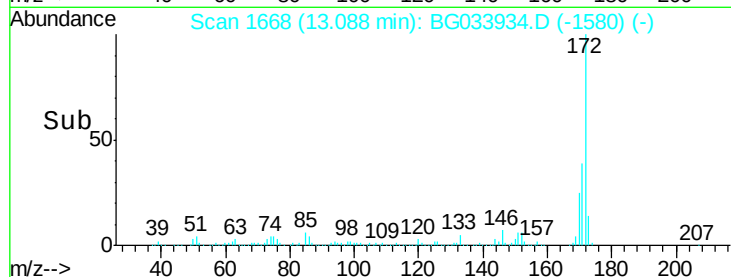
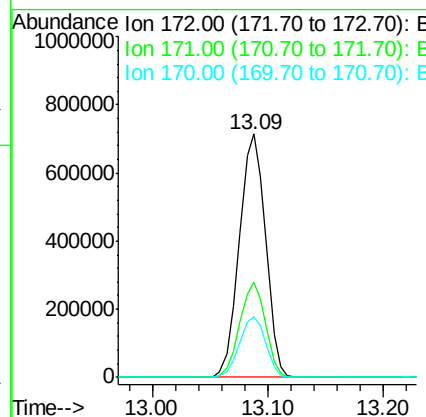
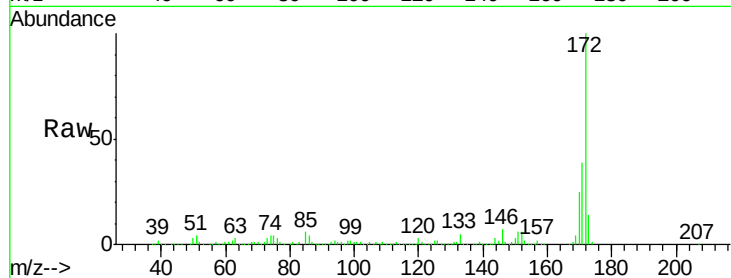


#44
 2-Fluorobiphenyl
 Concen: 87.008 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-042018

Tot Ion:172 Resp: 1121269

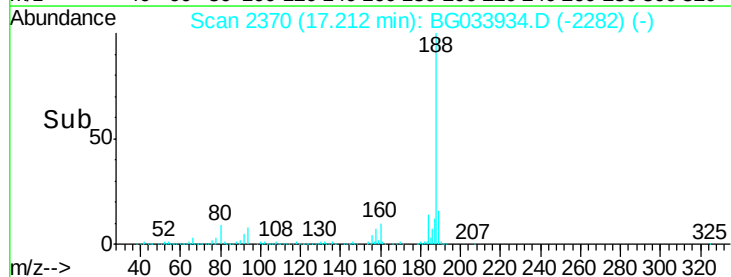
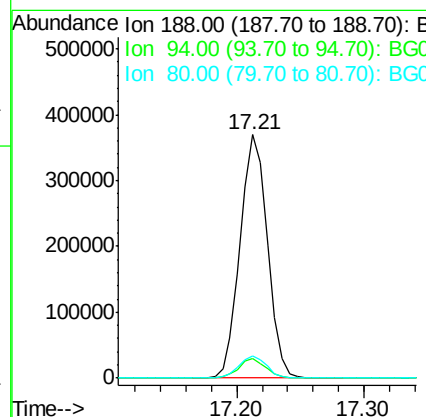
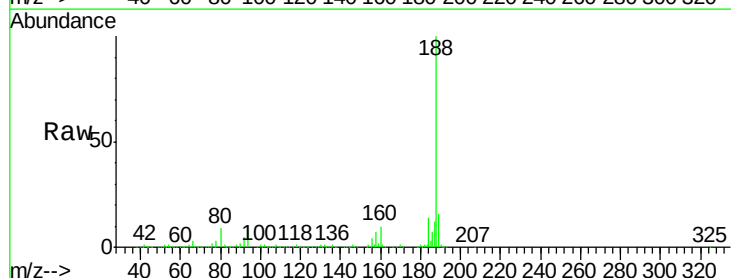
Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.0	45.0
170	25.0	19.5	29.3

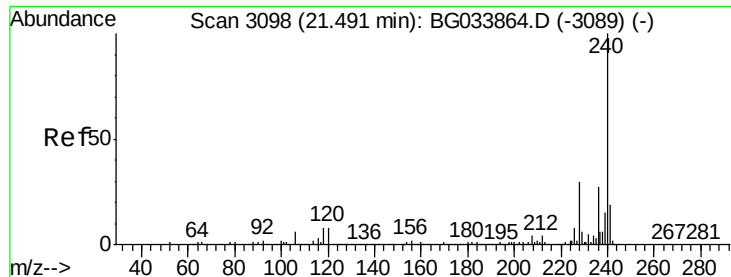


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion:188 Resp: 549800

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	9.1	7.7	11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

BU-03-042018

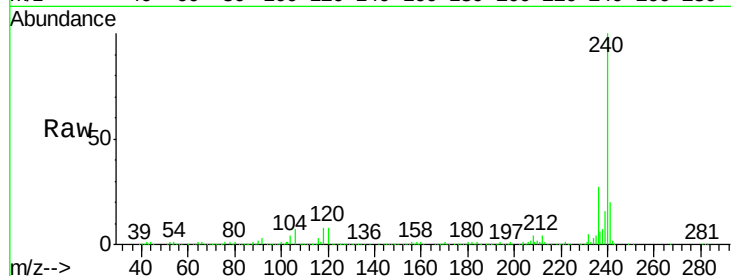
Tot Ion:240 Resp: 601638

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

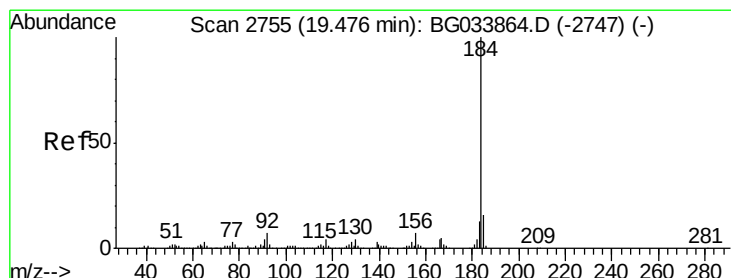
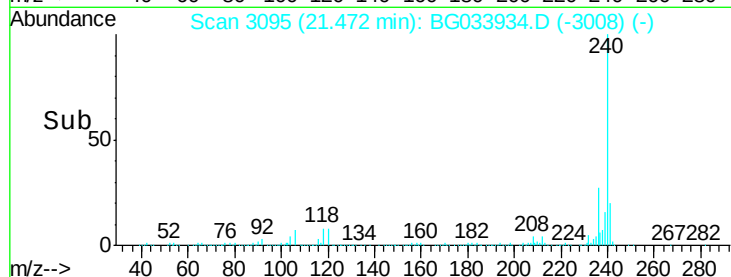
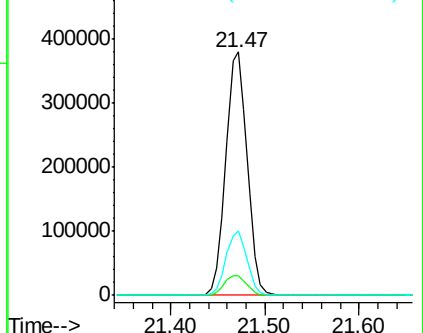
236 26.5 20.9 31.3



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: 2.313 ng

RT: 19.46 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

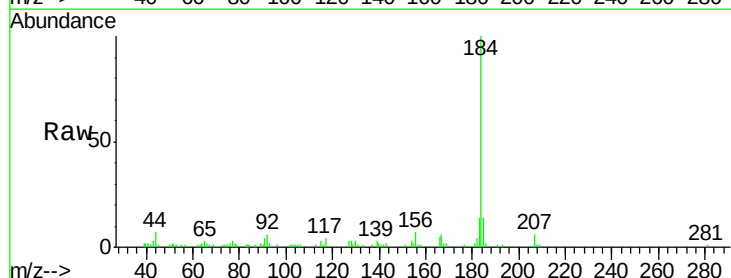
Tgt Ion:184 Resp: 37577

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

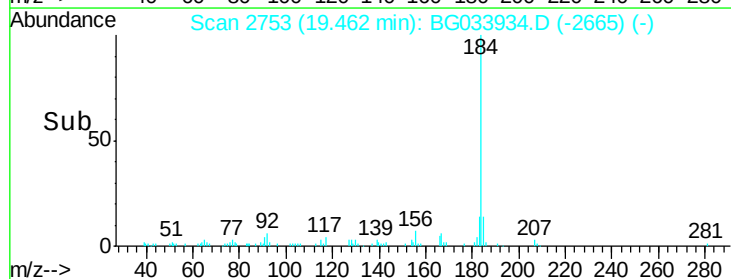
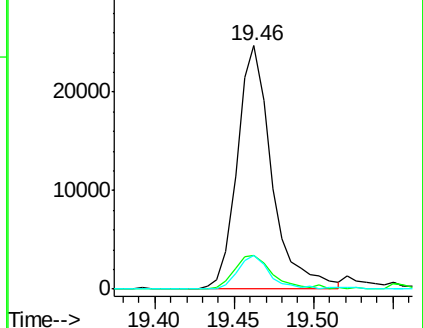
183 13.7 10.6 16.0

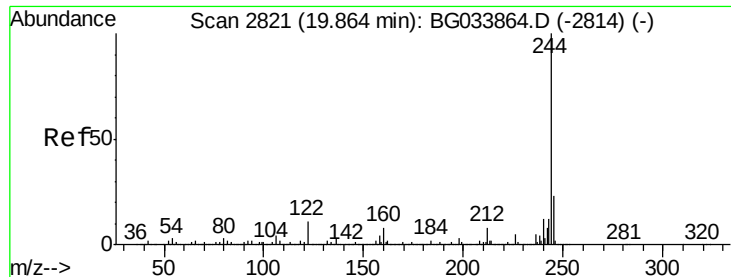


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.179 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

BU-03-042018

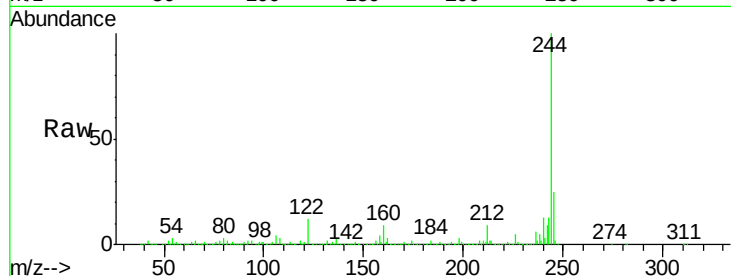
Tot Ion:244 Resp: 2200735

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

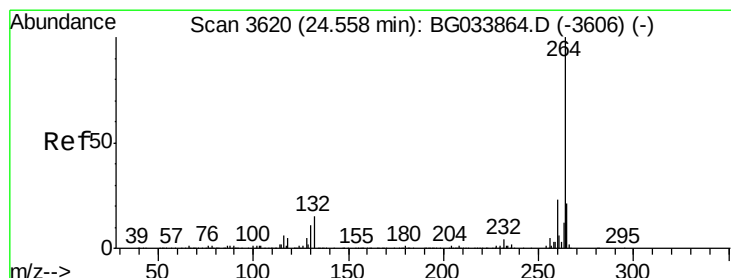
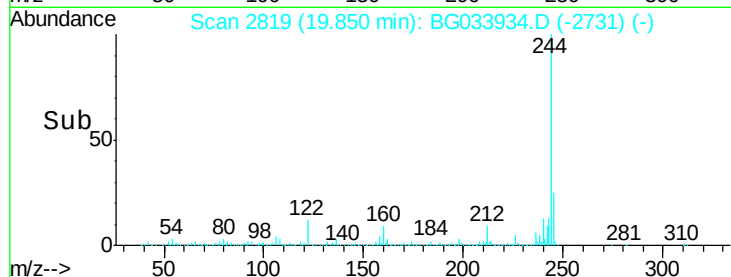
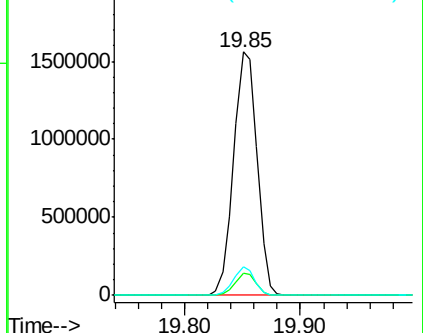
122 11.5 7.0 10.4#



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: 24.53 min Scan# 3616

Delta R.T. -0.03 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

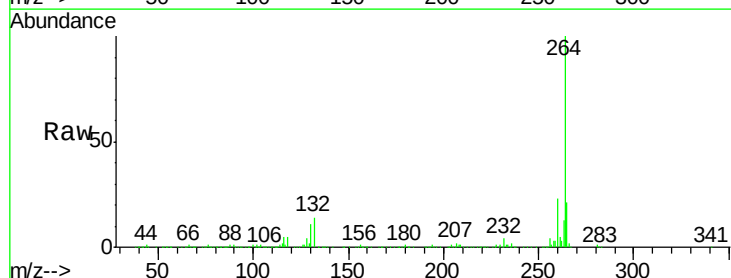
Tgt Ion:264 Resp: 616057

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.2 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

