

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031702.D
 Acq On : 22 Dec 2017 9:16
 Operator : SJ/JU
 Sample : I6995-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Dec 22 11:10:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

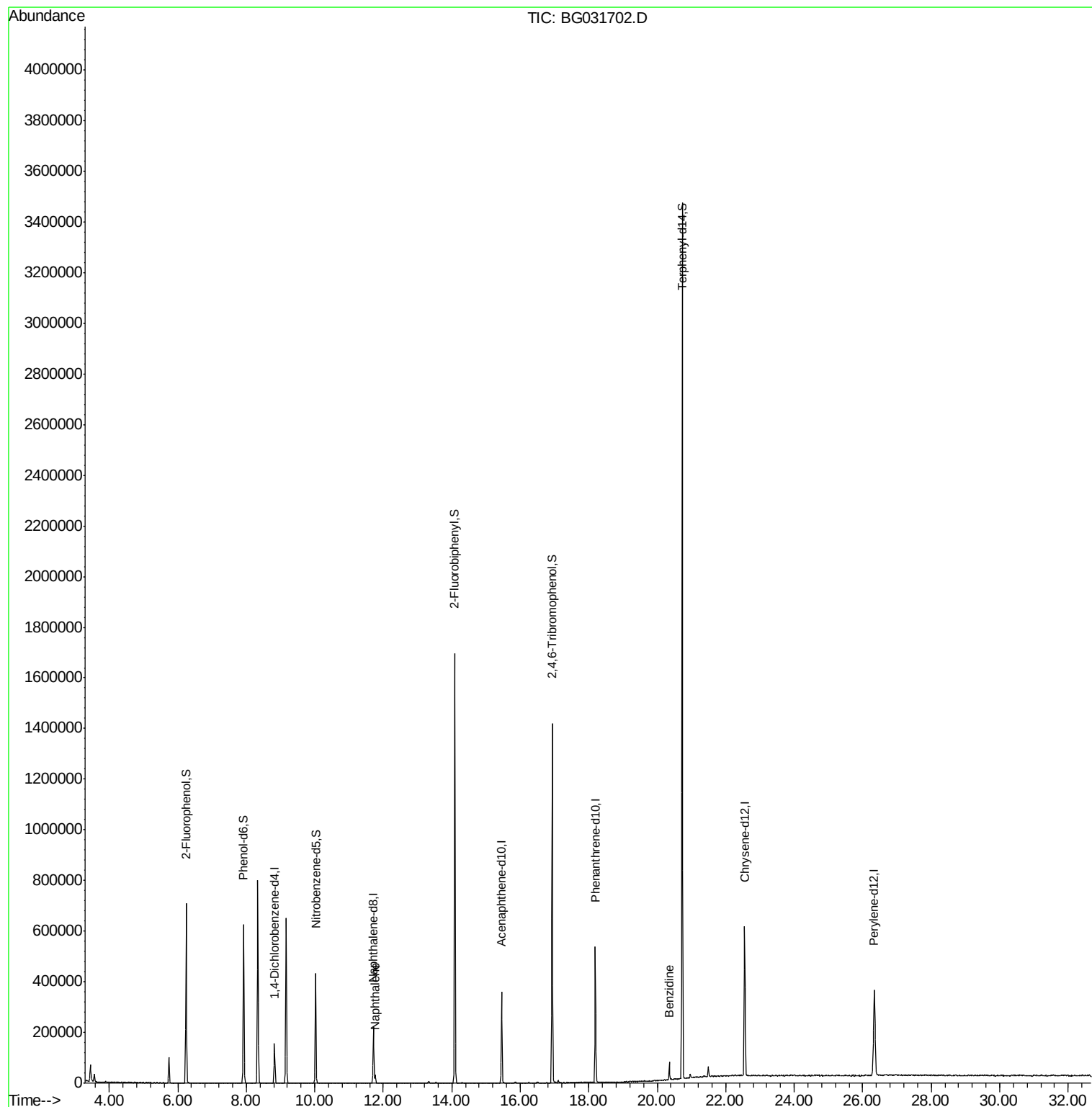
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	54750	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	217044	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	143647	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	373368	20.00	ng	0.00
75) Chrysene-d12	22.55	240	458186	20.00	ng	-0.02
86) Perylene-d12	26.34	264	468879	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	387076	128.77	ng	0.00
7) Phenol-d6	7.92	99	440148	112.78	ng	0.00
23) Nitrobenzene-d5	10.03	82	280950	97.75	ng	0.00
41) 2,4,6-Tribromophenol	16.93	330	338559	154.46	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1020565	89.17	ng	0.00
78) Terphenyl-d14	20.73	244	1910730	95.27	ng	0.00
Target Compounds						
31) Naphthalene	11.77	128	33618	3.069	ng	Qvalue # 95
76) Benzidine	20.36	184	49474	3.498	ng	97

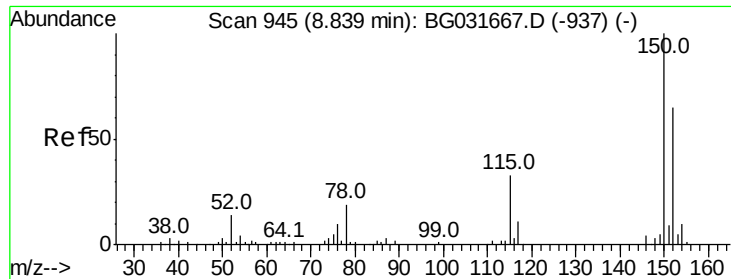
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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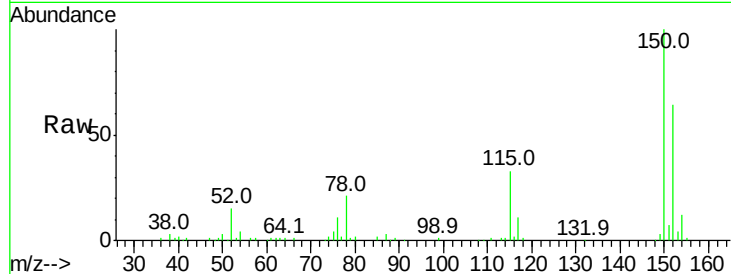


#1

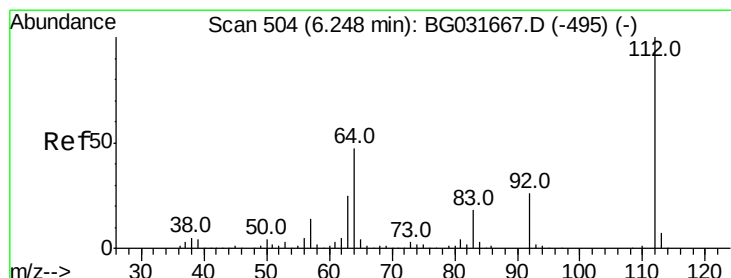
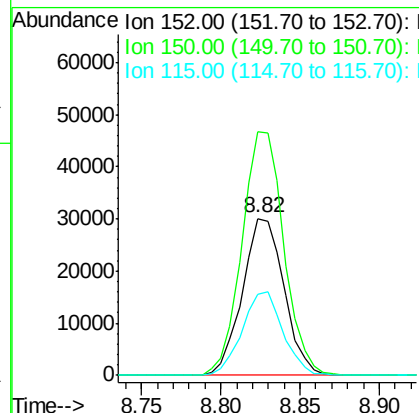
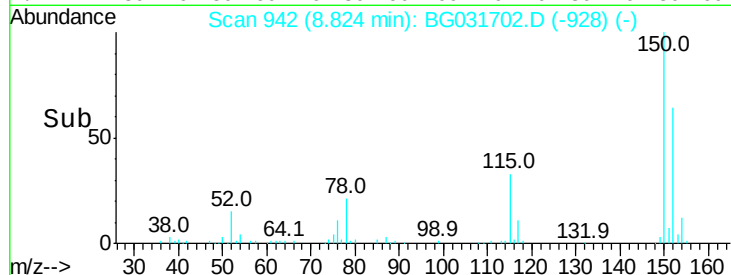
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion:152 Resp: 54750
Ion Ratio Lower Upper
152 100
150 155.1 126.6 189.8
115 51.7 53.0 79.4#



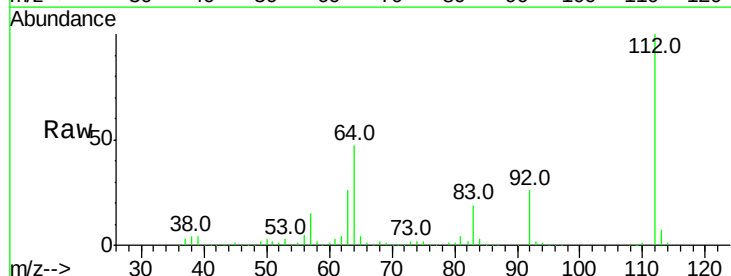
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



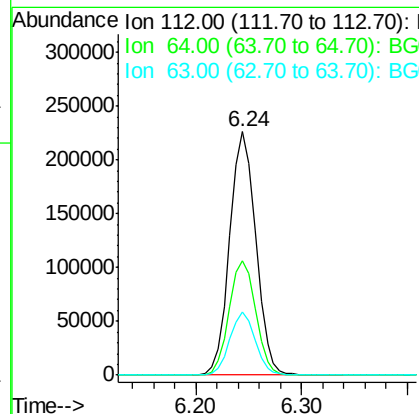
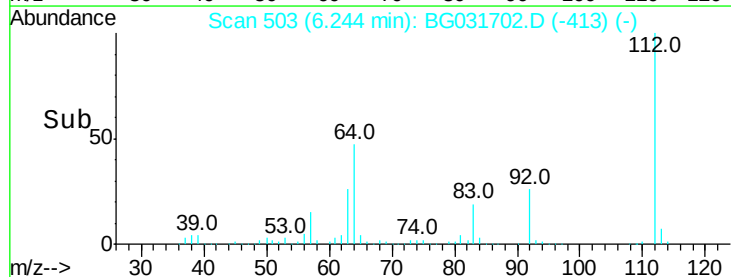
#5

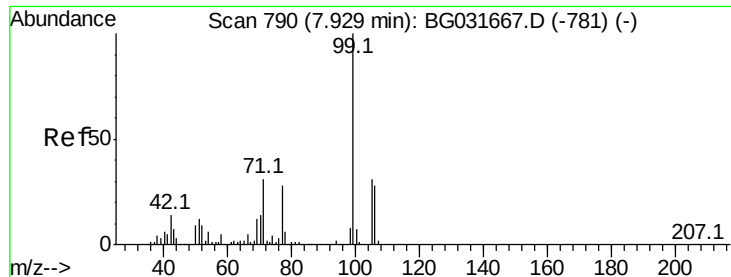
2-Fluorophenol
Concen: 128.770 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Tgt Ion:112 Resp: 387076
Ion Ratio Lower Upper
112 100
64 47.2 56.3 84.5#
63 26.2 30.1 45.1#



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





#7

Phenol-d6

Concen: 112.780 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampleId :

TP-1

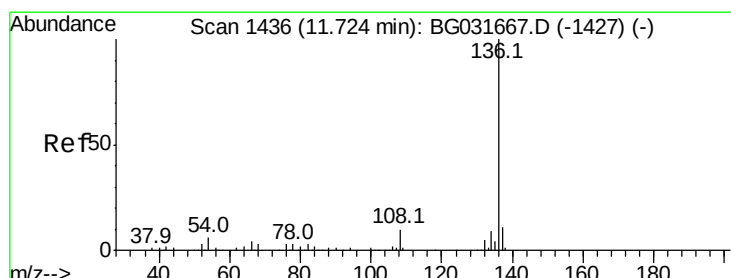
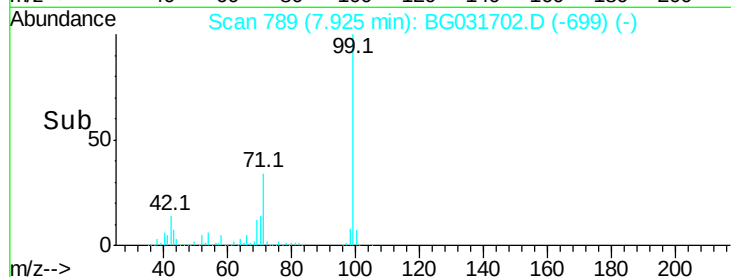
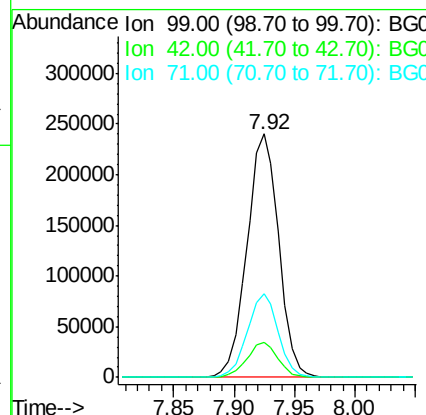
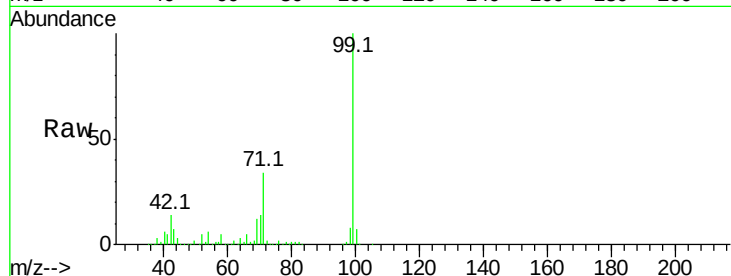
Tot Ion: 99 Resp: 440148

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

71 34.1 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Tgt Ion: 136 Resp: 217044

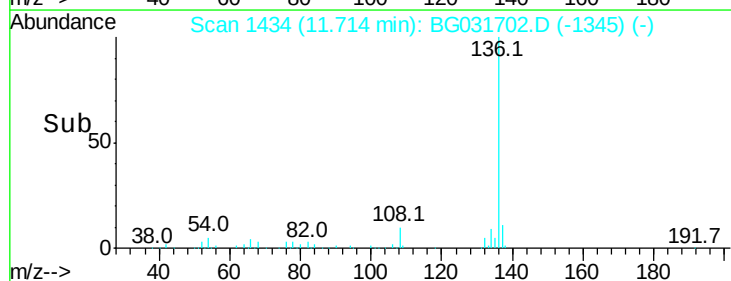
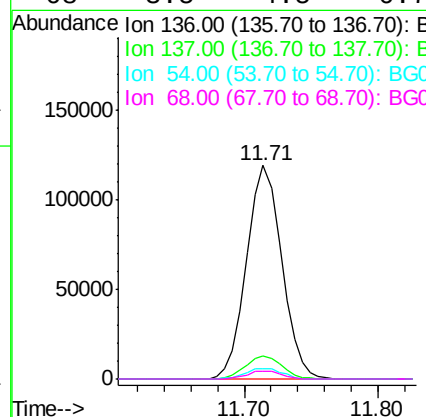
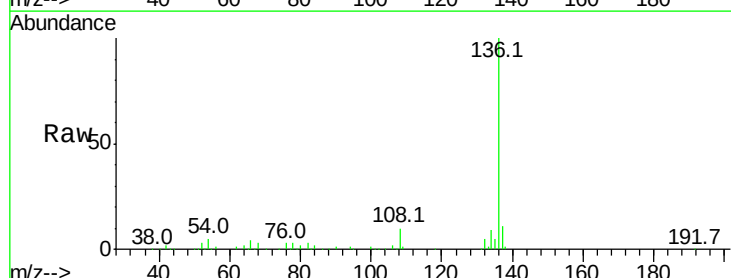
Ion Ratio Lower Upper

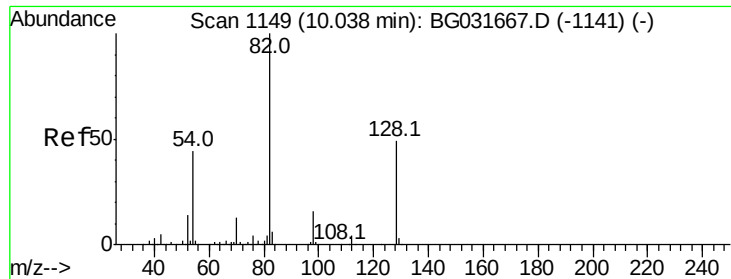
136 100

137 10.6 9.2 13.8

54 4.6 10.3 15.5#

68 3.5 4.5 6.7#

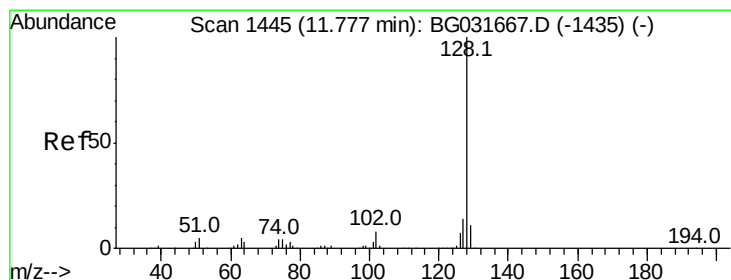
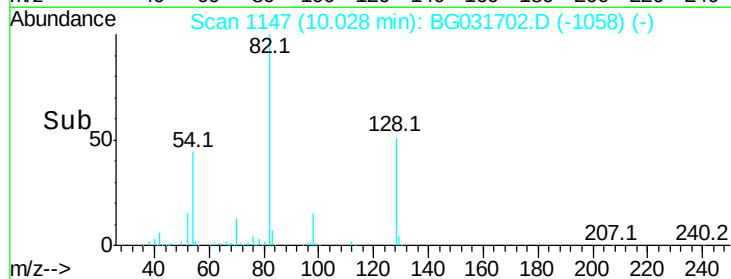
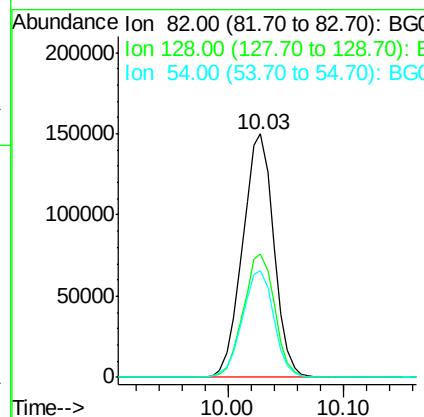
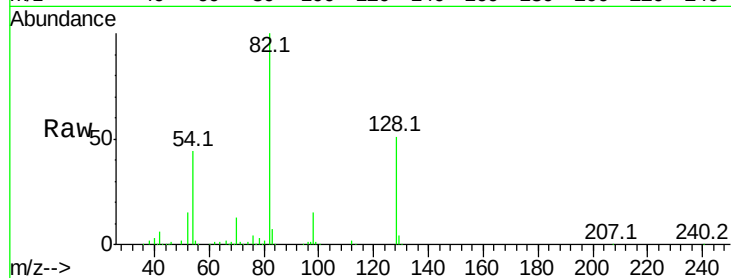




#23
 Nitrobenzene-d5
 Concen: 97.746 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

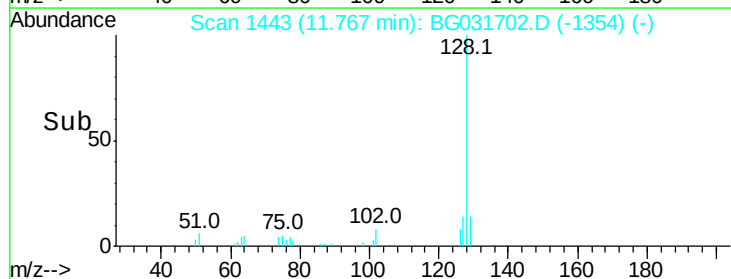
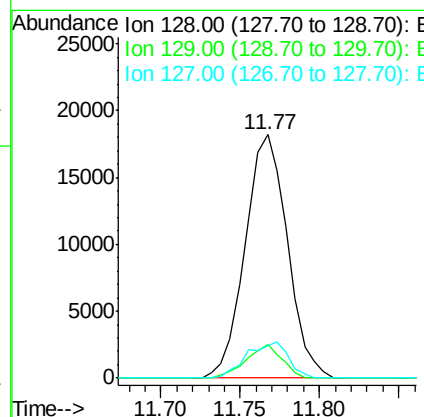
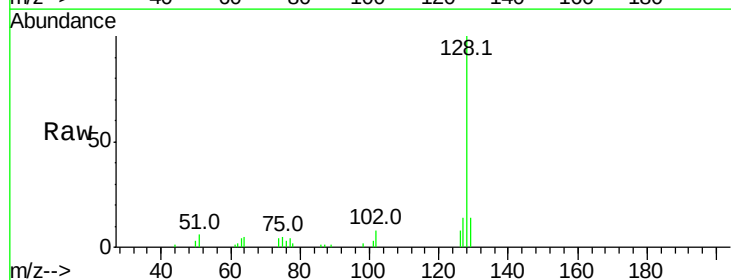
Instrument :
 BNA_G
 ClientSampled :
 TP-1

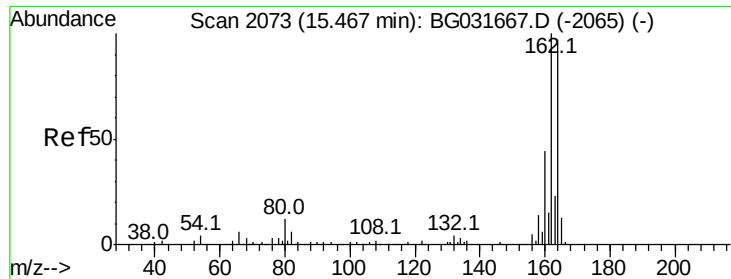
Tot Ion: 82 Resp: 280950
 Ion Ratio Lower Upper
 82 100
 128 50.8 29.7 44.5#
 54 43.7 43.1 64.7



#31
 Naphthalene
 Concen: 3.069 ng
 RT: 11.77 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Tgt Ion: 128 Resp: 33618
 Ion Ratio Lower Upper
 128 100
 129 13.6 8.6 12.8#
 127 13.6 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampleId :

TP-1

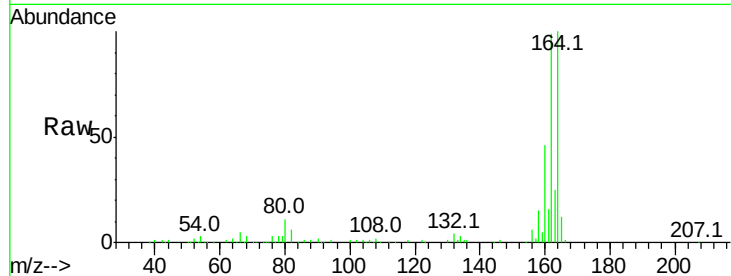
Tot Ion:164 Resp: 143647

Ion Ratio Lower Upper

164 100

162 98.7 78.8 118.2

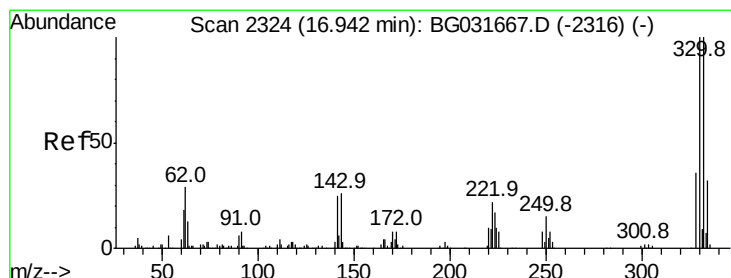
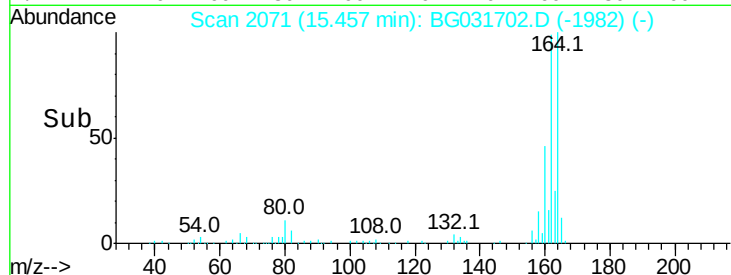
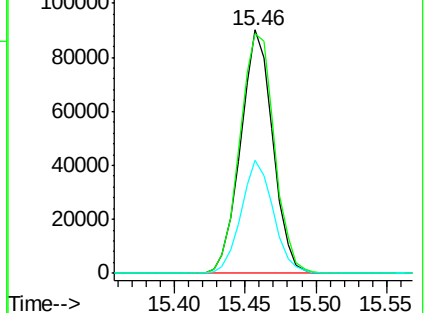
160 46.2 35.4 53.0



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: 154.462 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

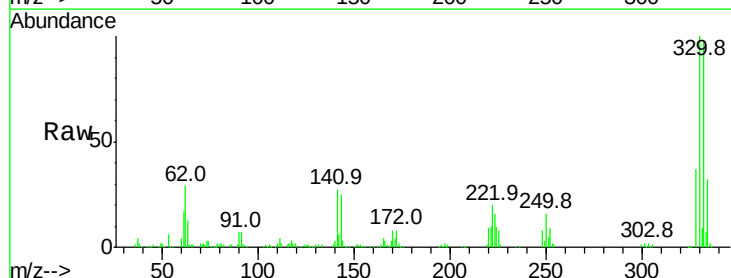
Tgt Ion:330 Resp: 338559

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

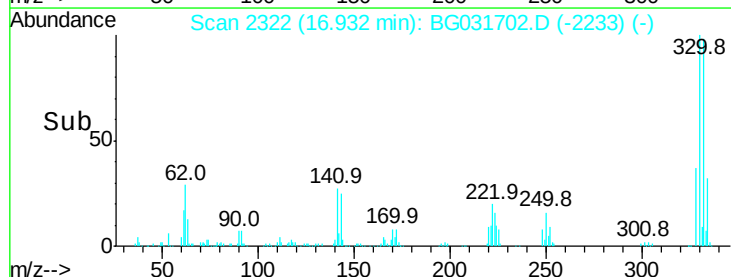
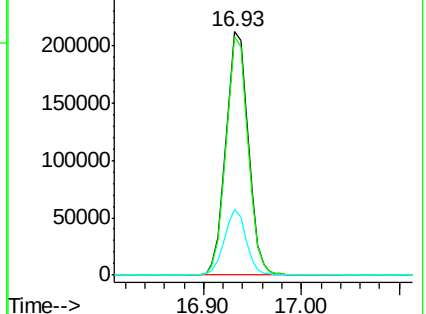
141 26.2 25.2 37.8

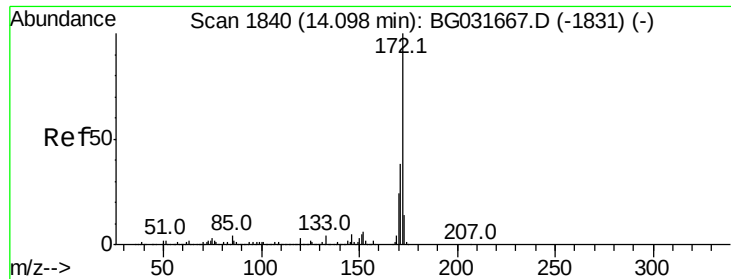


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

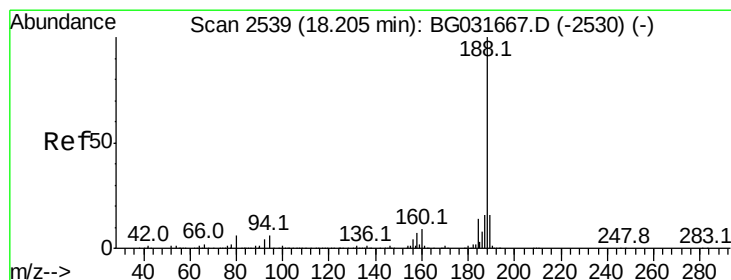
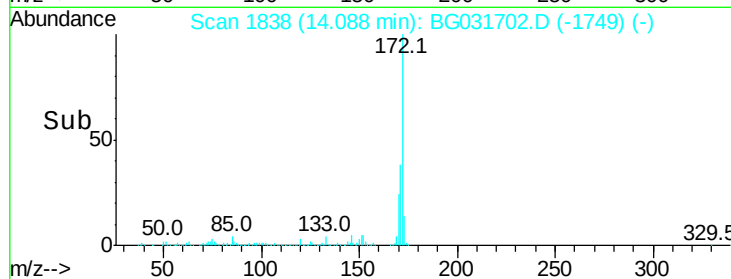
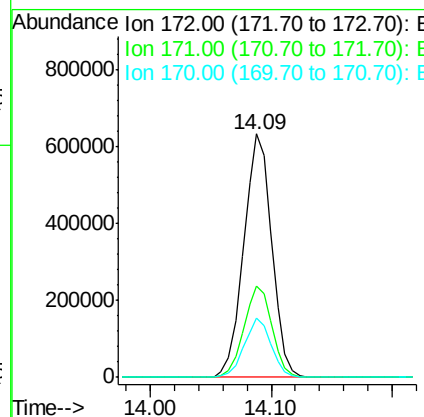
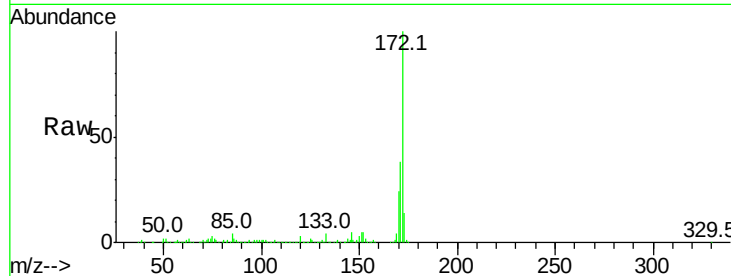




#44
2-Fluorobiphenyl
Concen: 89.173 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

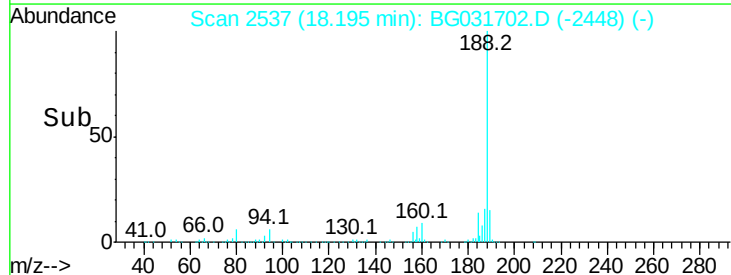
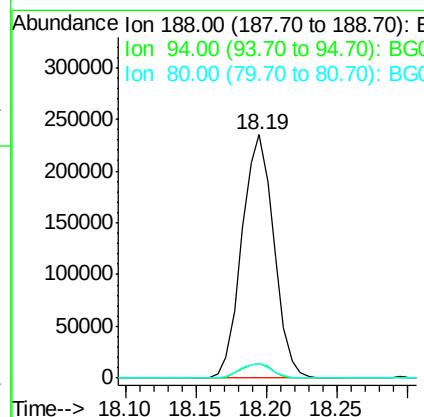
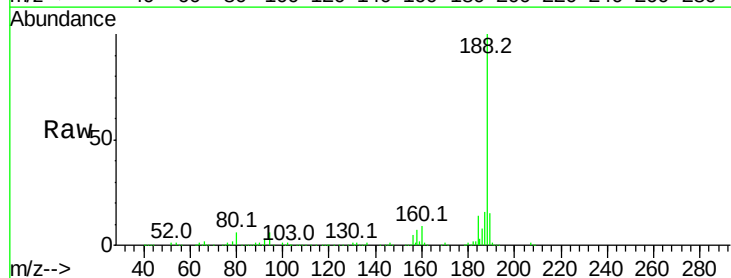
Instrument :
BNA_G
ClientSampleId :
TP-1

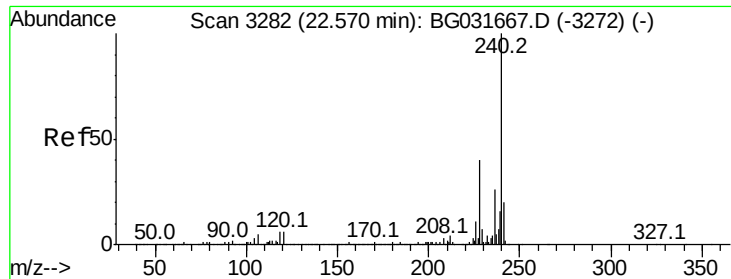
Tot Ion:172 Resp: 1020565
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.2 19.5 29.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Tgt Ion:188 Resp: 373368
Ion Ratio Lower Upper
188 100
94 5.7 6.9 10.3#
80 5.8 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampleId :

TP-1

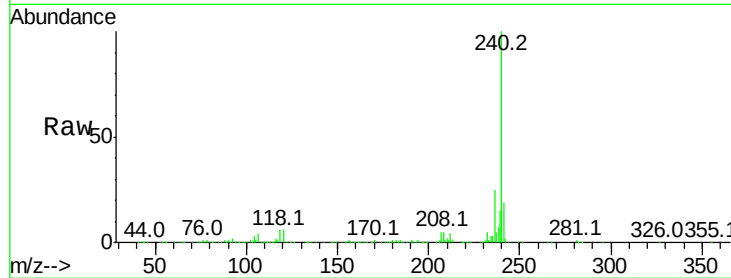
Tot Ion:240 Resp: 458186

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

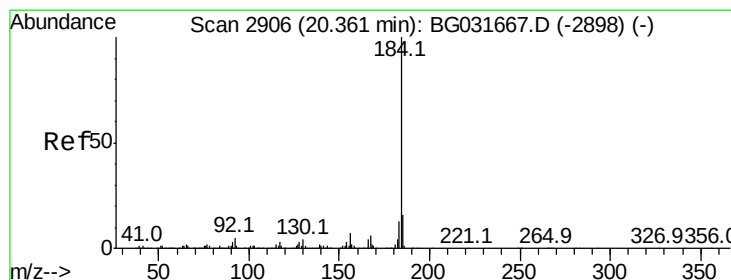
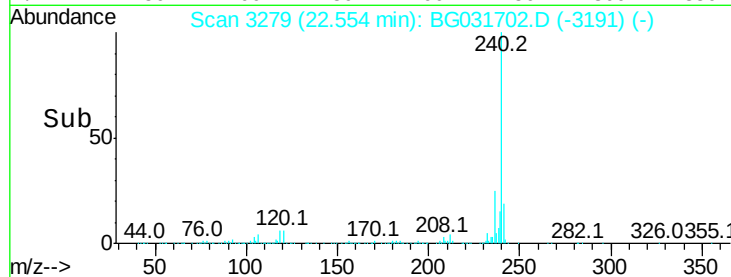
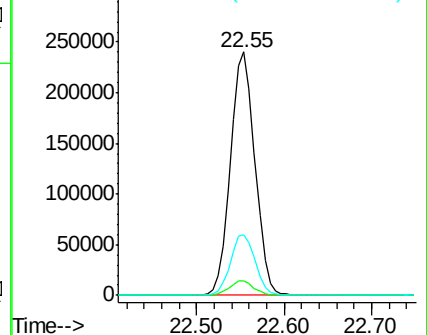
236 24.7 20.9 31.3



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: 3.498 ng

RT: 20.36 min Scan# 2905

Delta R.T. -0.00 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

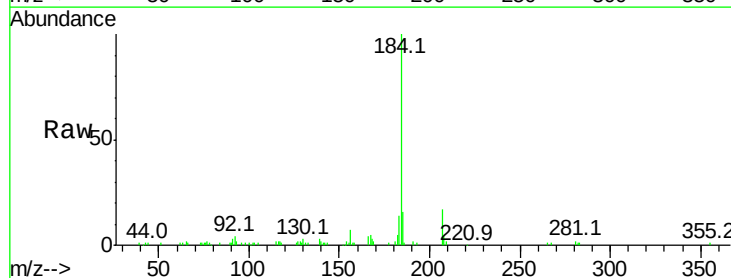
Tgt Ion:184 Resp: 49474

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

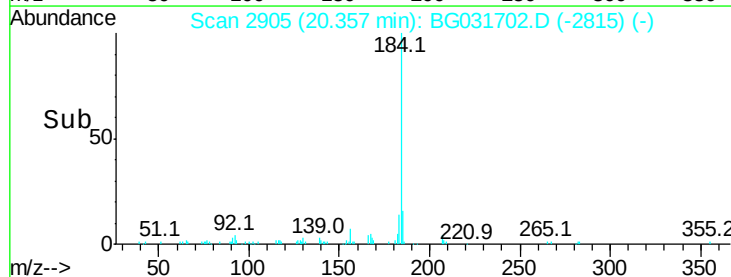
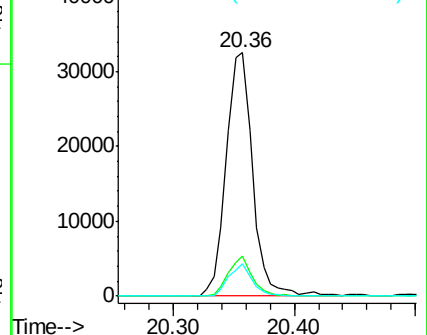
183 13.5 10.6 16.0

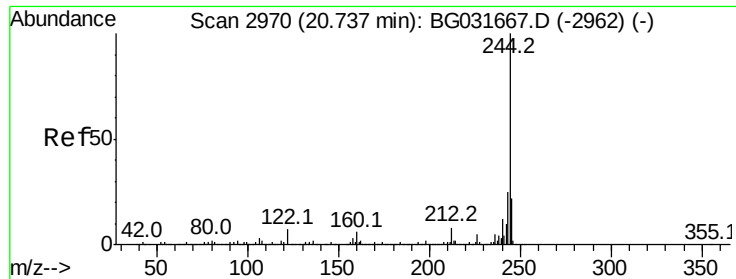


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.275 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

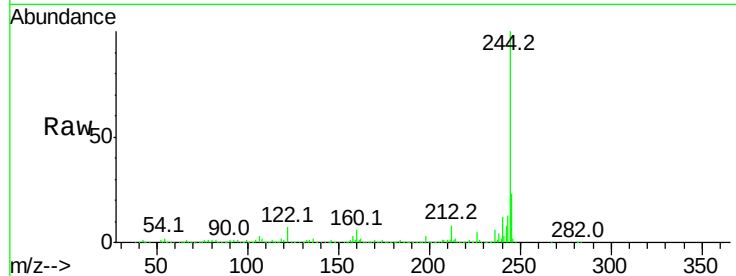
BNA_G

ClientSampleId :

TP-1

Tot Ion:244 Resp: 1910730

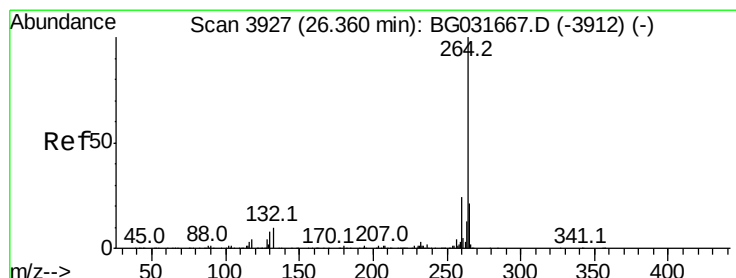
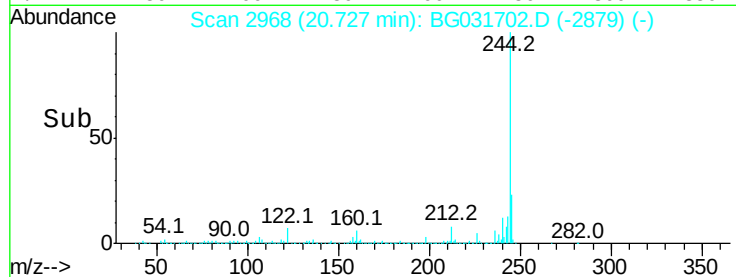
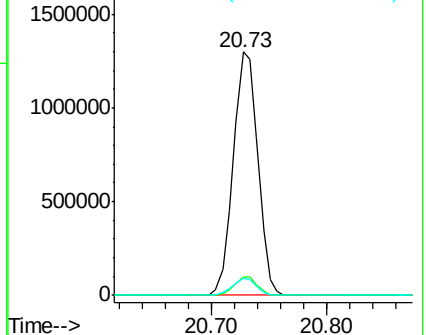
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	7.2	7.0	10.4



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: 26.34 min Scan# 3923

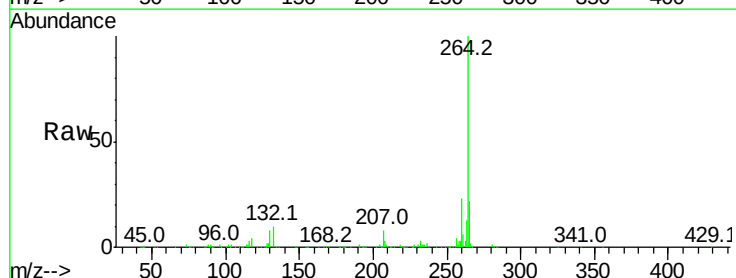
Delta R.T. -0.02 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Tgt Ion:264 Resp: 468879

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.6	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

