

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
 Data File : BG024069.D
 Acq On : 22 Sep 2016 4:02
 Operator : UM/SJ
 Sample : H4861-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 091916-DRDC-F-U-M

Quant Time: Sep 22 07:25:20 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 19:01:00 2016
 Response via : Initial Calibration

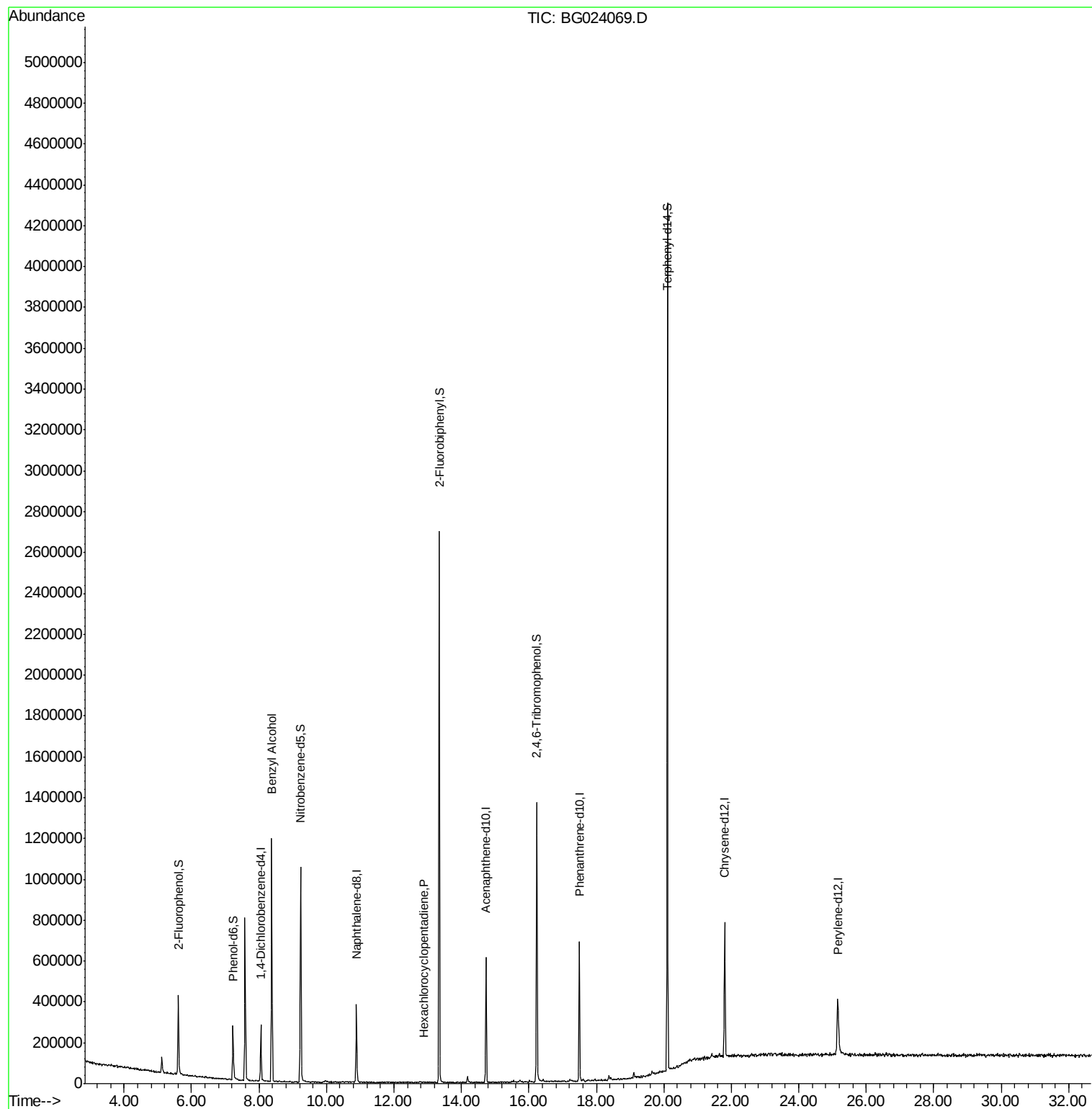
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	69126	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	288008	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	205541	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	408575	20.00	ng	0.00
75) Chrysene-d12	21.81	240	427561	20.00	ng	0.00
86) Perylene-d12	25.16	264	384985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	155940	39.61	ng	0.00
7) Phenol-d6	7.23	99	159784	26.36	ng	0.00
23) Nitrobenzene-d5	9.24	82	678670	105.20	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	243397	65.73	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1260661	87.94	ng	0.00
78) Terphenyl-d14	20.10	244	1709629	91.06	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	12503	2.34	ng	# 63
40) Hexachlorocyclopentadiene	12.89	237	87	7.10	ng	# 26

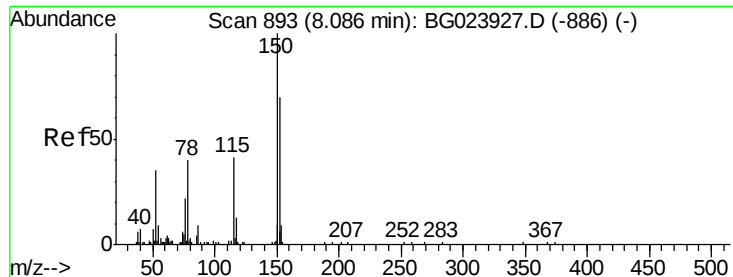
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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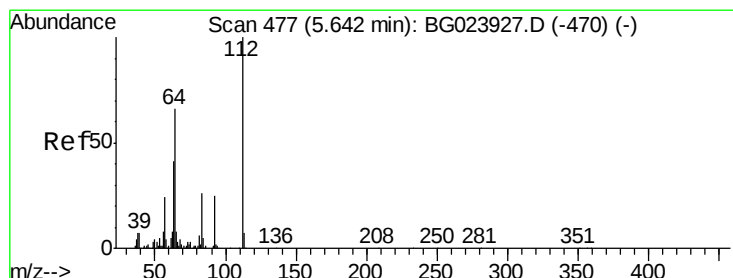
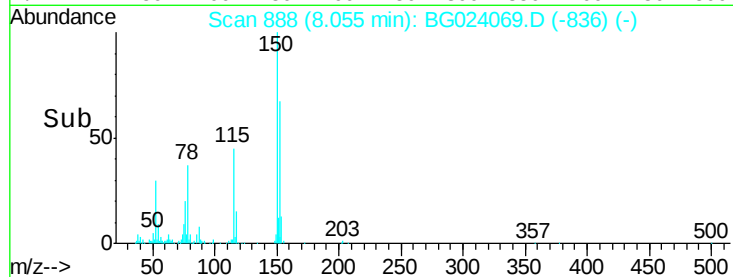
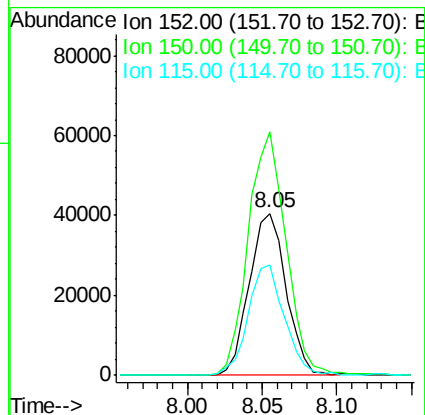
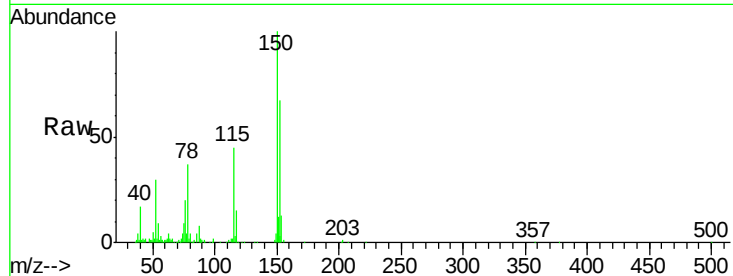


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 888
Delta R.T. 0.01 min
Lab File: BG024069.D
Acq: 22 Sep 2016 4:02

Instrument :
BNA_G
ClientSampleId :
091916-DRDC-F-U-M

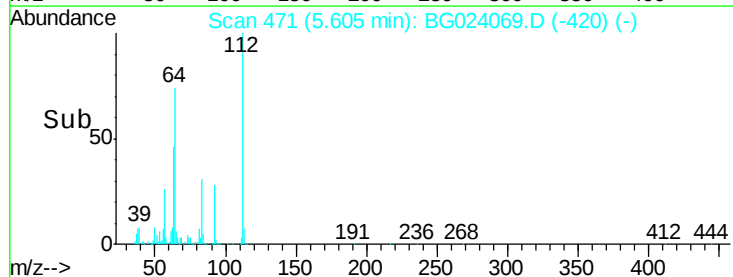
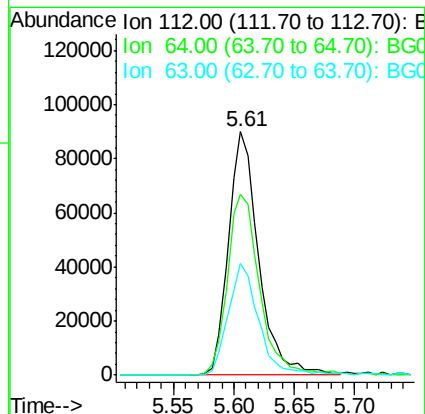
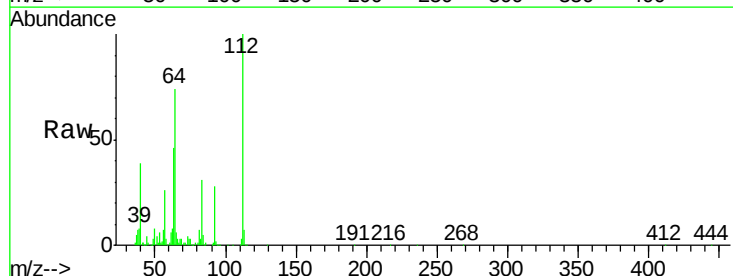
Tgt Ion:152 Resp: 69126
Ion Ratio Lower Upper
152 100
150 150.0 144.7 217.1
115 67.9 64.0 96.0

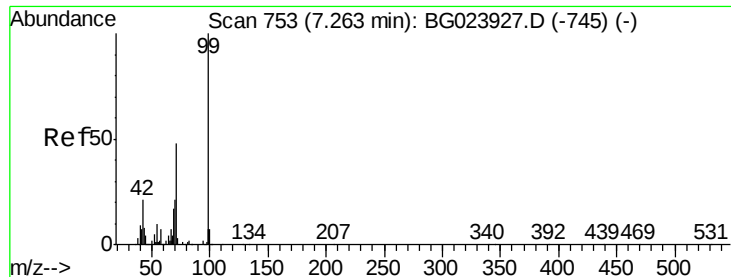


#5

2-Fluorophenol
Concen: 39.61 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG024069.D
Acq: 22 Sep 2016 4:02

Tgt Ion:112 Resp: 155940
Ion Ratio Lower Upper
112 100
64 74.4 59.0 88.4
63 45.7 37.8 56.8





#7

Phenol-d6

Concen: 26.36 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-U-M

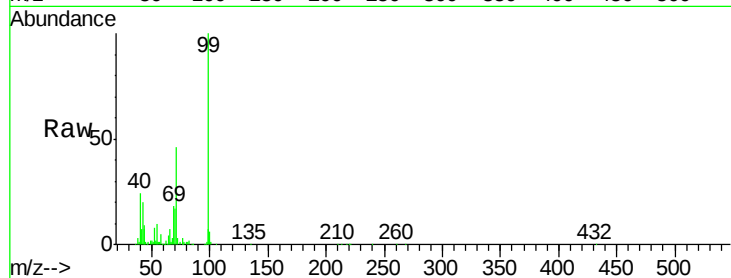
Tgt Ion: 99 Resp: 159784

Ion Ratio Lower Upper

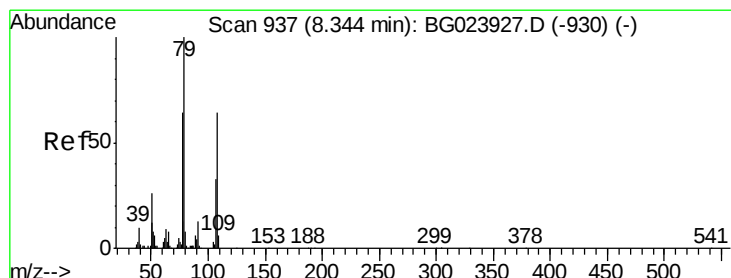
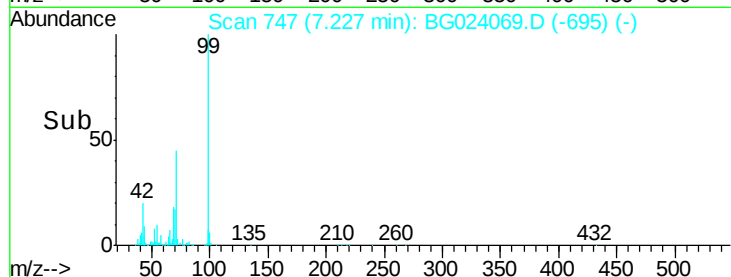
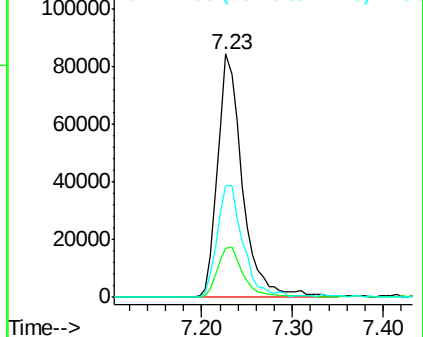
99 100

42 20.4 17.8 26.6

71 45.7 41.5 62.3



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



#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 8.38 min Scan# 943

Delta R.T. 0.08 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

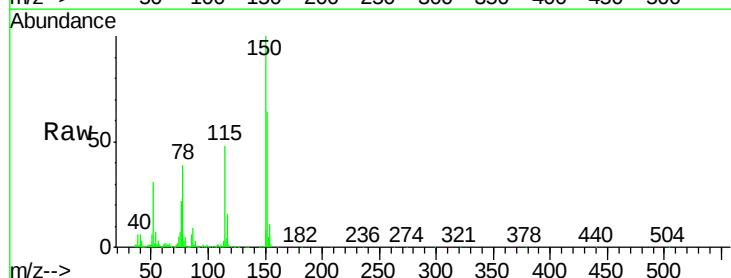
Tgt Ion: 79 Resp: 12503

Ion Ratio Lower Upper

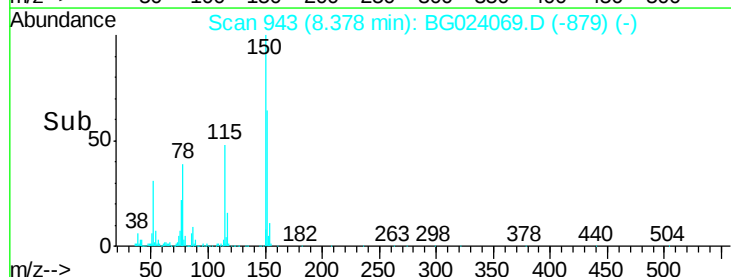
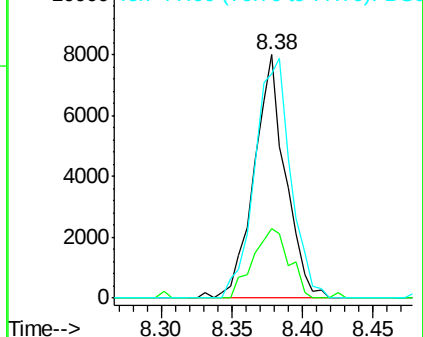
79 100

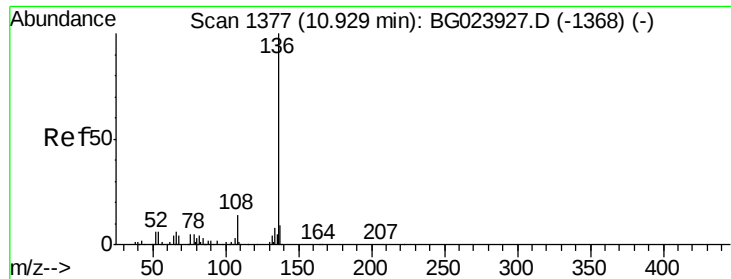
108 28.8 46.5 69.7#

77 92.3 52.3 78.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

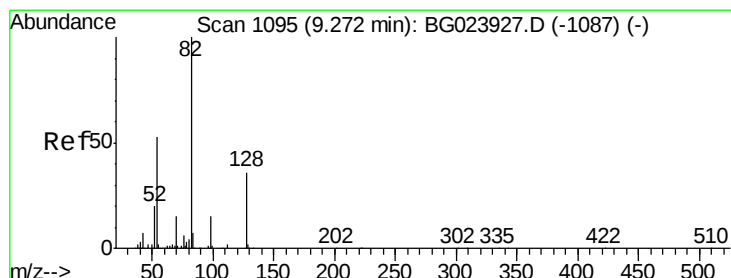
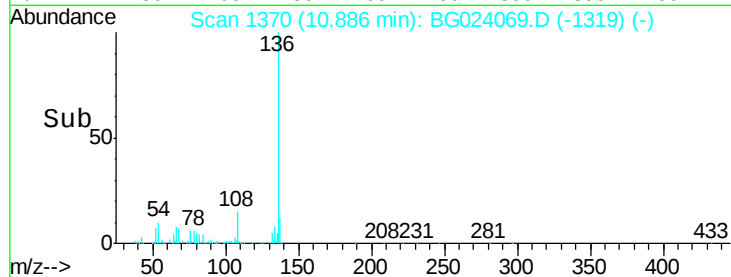
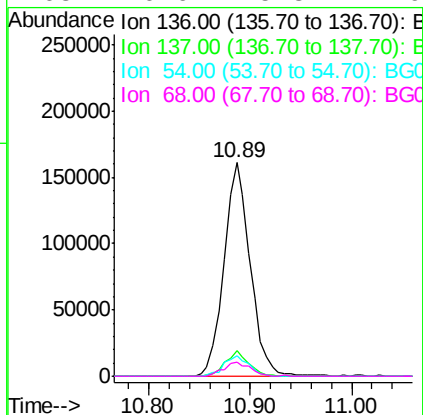
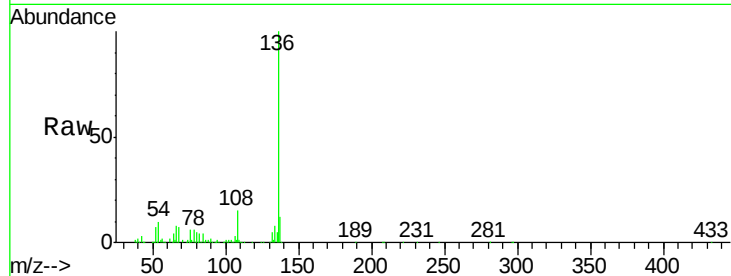




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BG024069.D
Acq: 22 Sep 2016 4:02

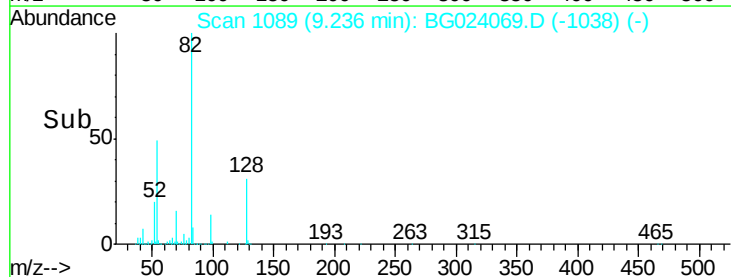
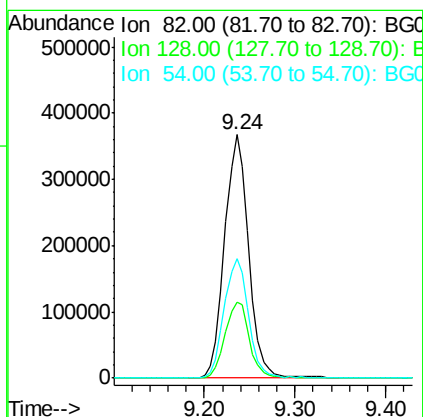
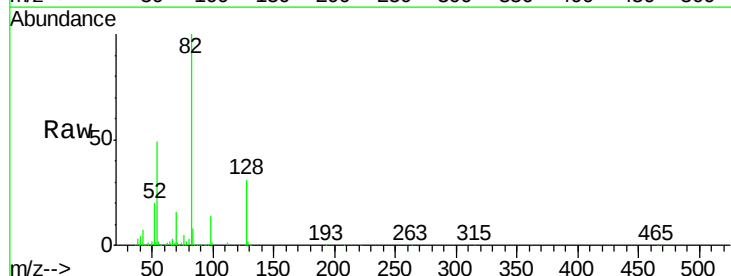
Instrument :
BNA_G
ClientSampleId :
091916-DRDC-F-U-M

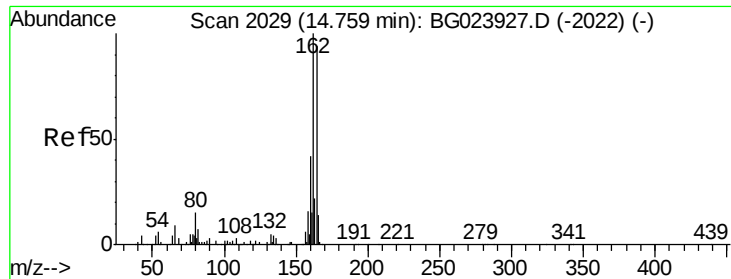
Tgt Ion:	136	Resp:	288008
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	9.8	7.3	10.9
68	6.6	5.3	7.9



#23
Nitrobenzene-d5
Concen: 105.20 ng
RT: 9.24 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BG024069.D
Acq: 22 Sep 2016 4:02

Tgt Ion:	82	Resp:	678670
Ion	Ratio	Lower	Upper
82	100		
128	31.2	24.4	36.6
54	49.3	41.4	62.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-U-M

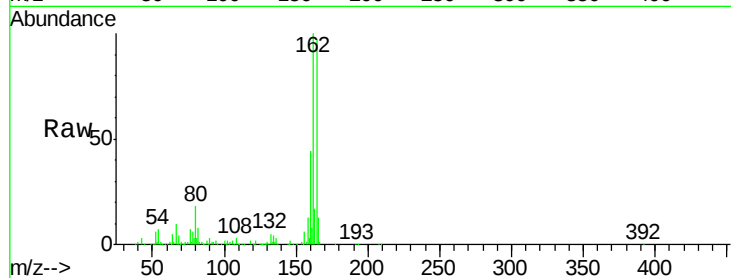
Tgt Ion:164 Resp: 205541

Ion Ratio Lower Upper

164 100

162 103.6 87.7 131.5

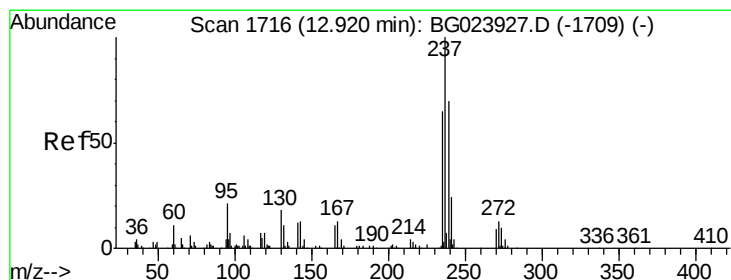
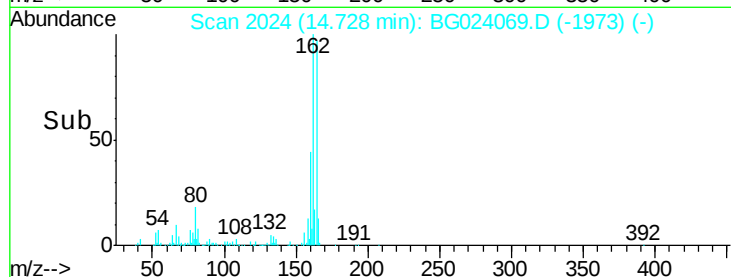
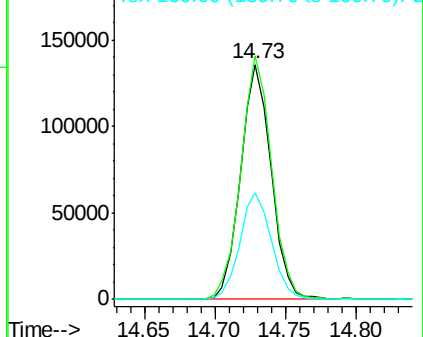
160 45.3 37.2 55.8



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



#40

Hexachlorocyclopentadiene

Concen: 7.10 ng

RT: 12.89 min Scan# 1711

Delta R.T. 0.01 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

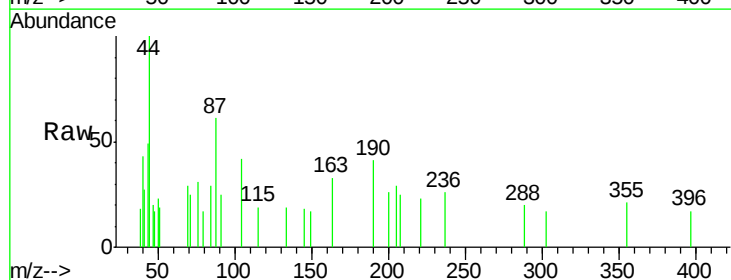
Tgt Ion:237 Resp: 87

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

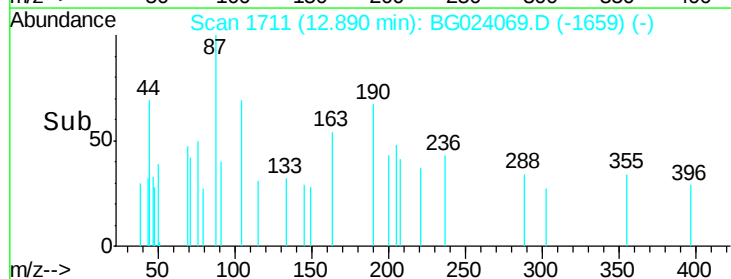
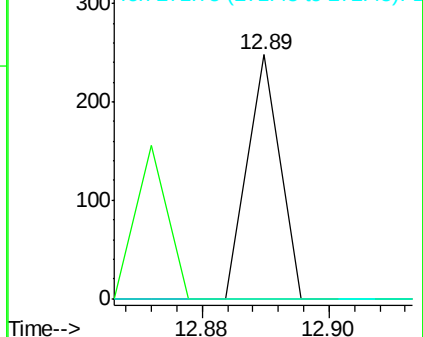
272 0.0 0.0 30.9

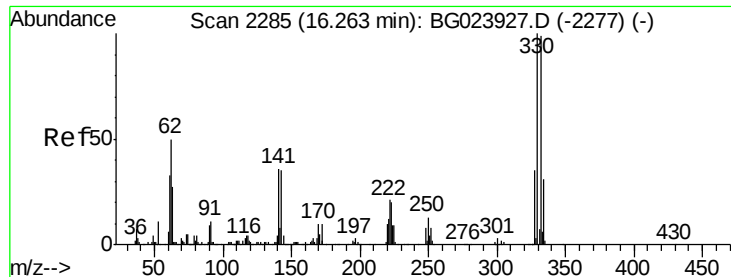


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 65.73 ng

RT: 16.23 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

Instrument :

BNA_G

ClientSampleId :

091916-DRDC-F-U-M

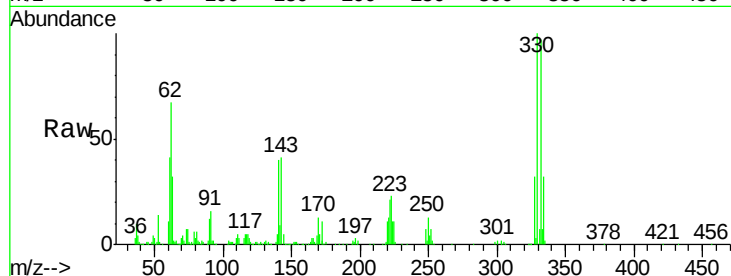
Tgt Ion:330 Resp: 243397

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

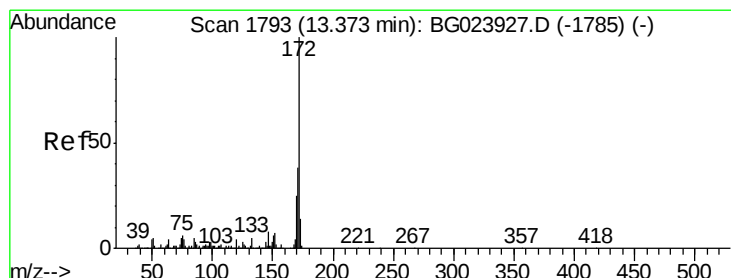
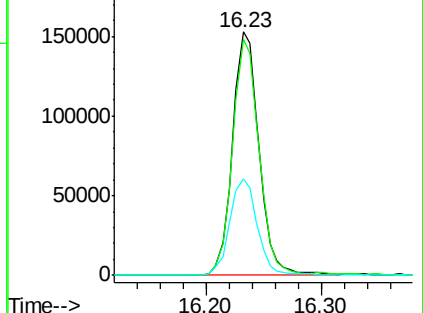
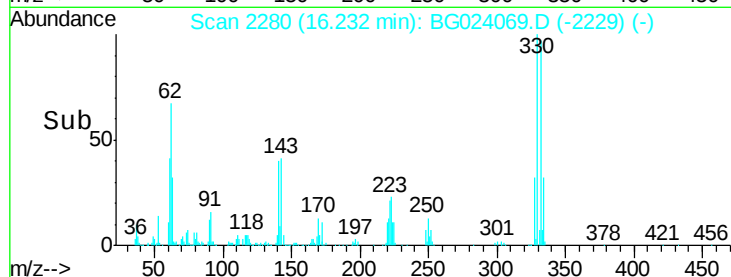
141 41.5 31.7 47.5



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: 87.94 ng

RT: 13.34 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

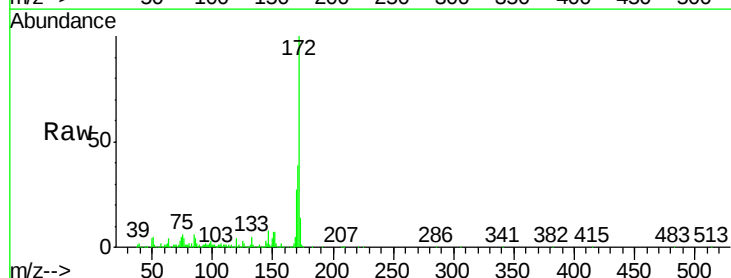
Tgt Ion:172 Resp: 1260661

Ion Ratio Lower Upper

172 100

171 39.4 31.6 47.4

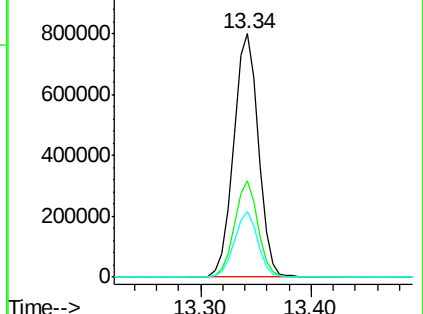
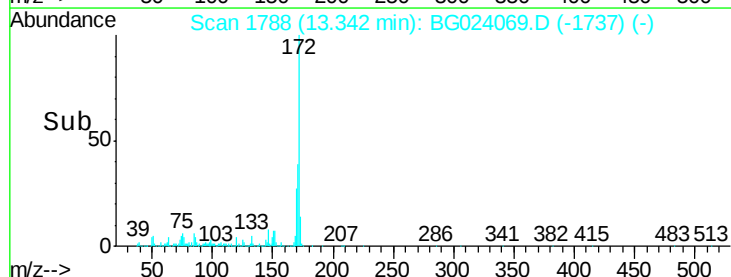
170 26.9 21.3 31.9

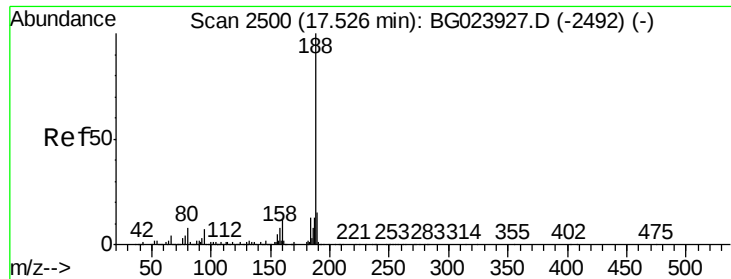


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.50 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

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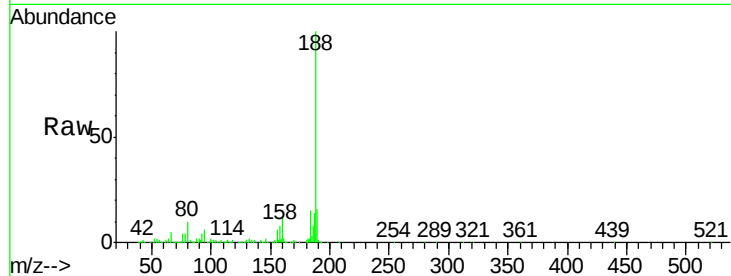
Tgt Ion:188 Resp: 408575

Ion Ratio Lower Upper

188 100

94 6.3 5.2 7.8

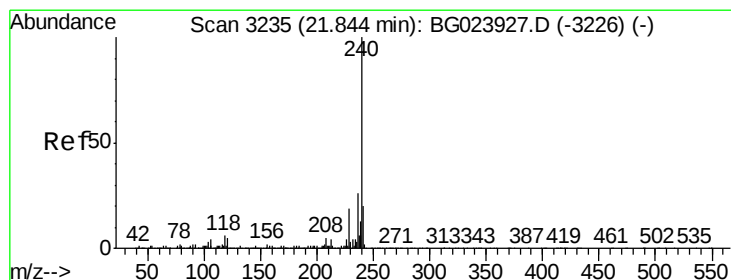
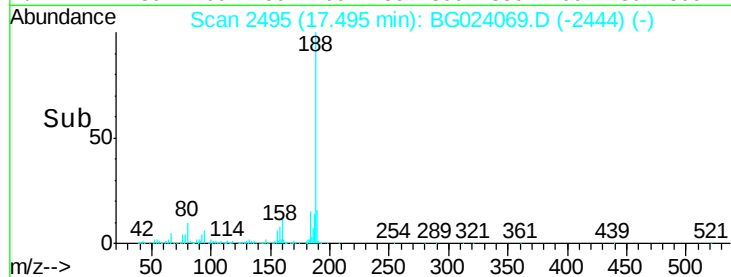
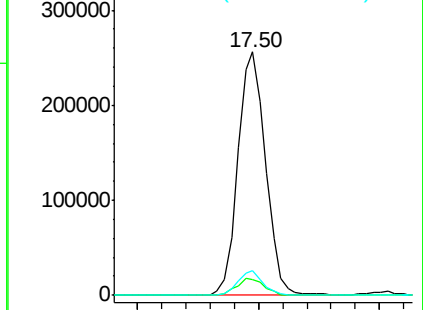
80 10.0 7.2 10.8



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: 20.00 ng

RT: 21.81 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

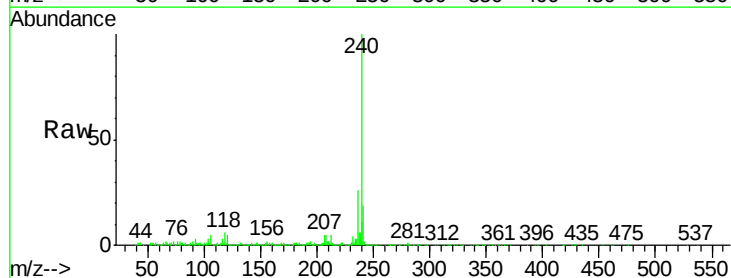
Tgt Ion:240 Resp: 427561

Ion Ratio Lower Upper

240 100

120 4.7 4.1 6.1

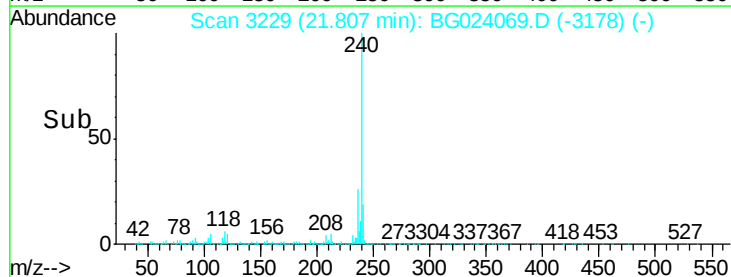
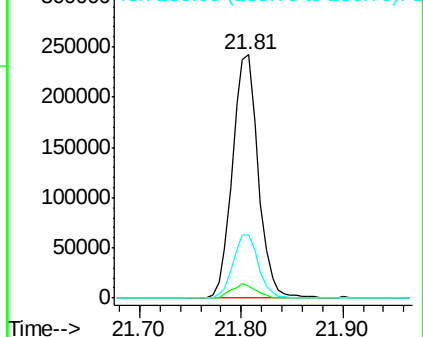
236 25.8 21.1 31.7

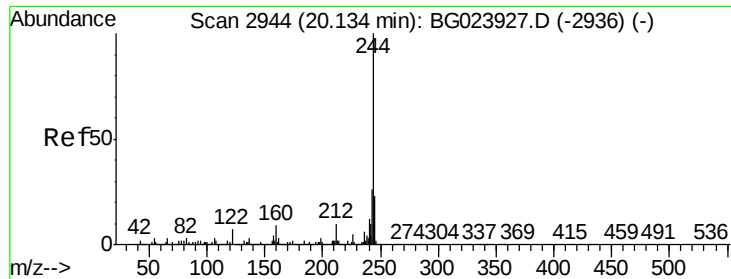


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.06 ng

RT: 20.10 min Scan# 2939

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

Instrument :

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091916-DRDC-F-U-M

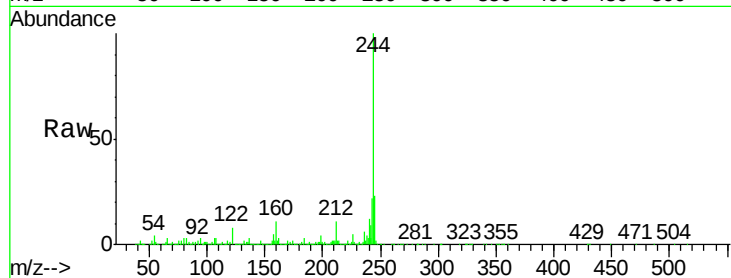
Tgt Ion:244 Resp: 1709629

Ion Ratio Lower Upper

244 100

212 10.7 10.8 16.2#

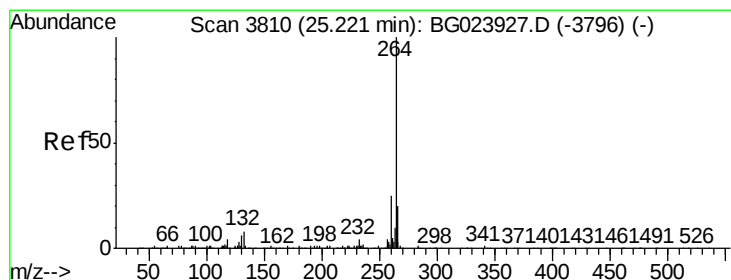
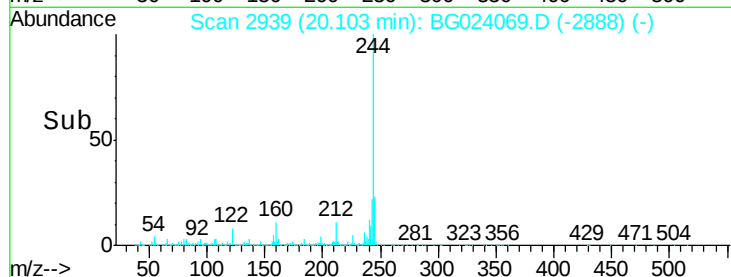
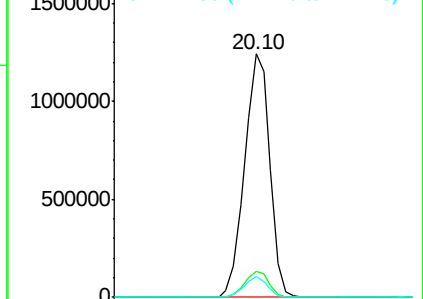
122 8.4 8.0 12.0



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: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. 0.00 min

Lab File: BG024069.D

Acq: 22 Sep 2016 4:02

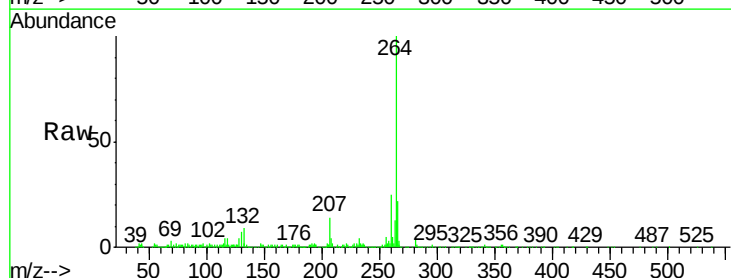
Tgt Ion:264 Resp: 384985

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 22.3 18.9 28.3



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

