

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\
 Data File : BG024014.D
 Acq On : 17 Sep 2016 4:19
 Operator : UM/SJ
 Sample : H4811-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 091516-DRDC-F-U-M

Quant Time: Sep 17 04:56:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 04:50:01 2016
 Response via : Initial Calibration

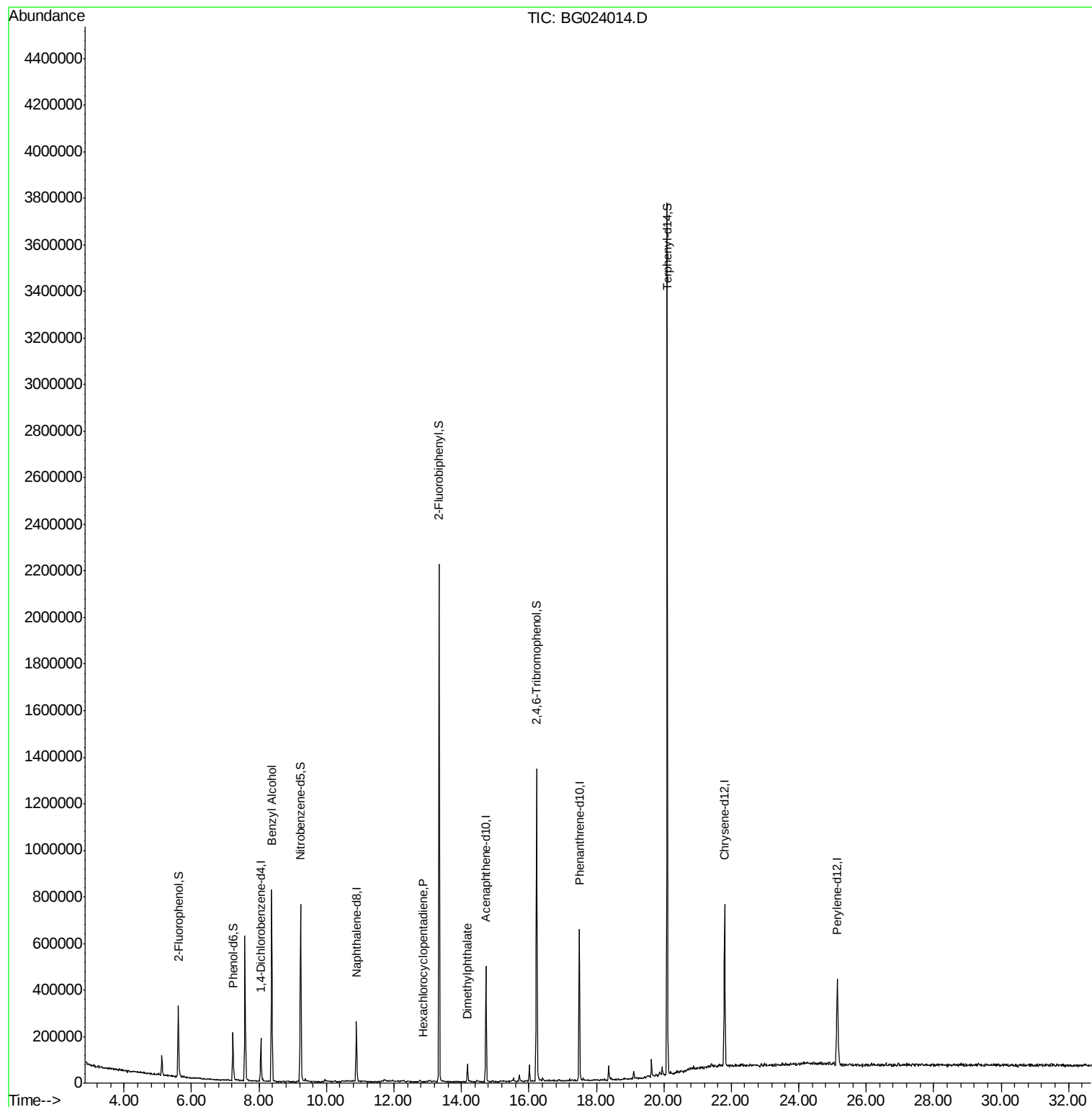
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44395	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	199836	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	173620	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	403854	20.00	ng	0.00
75) Chrysene-d12	21.80	240	429241	20.00	ng	0.00
86) Perylene-d12	25.14	264	429587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	121196	47.93	ng	0.00
7) Phenol-d6	7.23	99	116388	29.90	ng	0.00
23) Nitrobenzene-d5	9.24	82	499545	111.60	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	249667	79.82	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1028210	84.91	ng	0.00
78) Terphenyl-d14	20.10	244	1540711	81.74	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.37	79	8193	2.39	ng	# 46
40) Hexachlorocyclopentadiene	12.86	237	106	7.11	ng	# 26
49) Dimethylphthalate	14.18	163	49327	3.31	ng	99

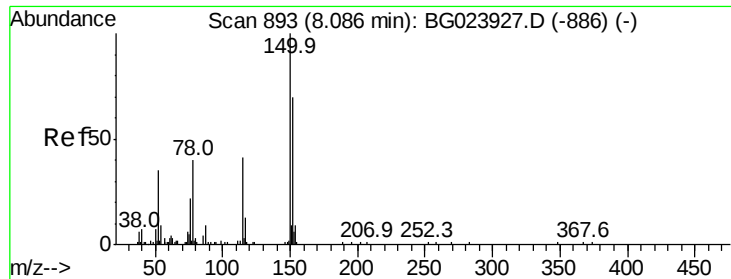
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

BNA_G

ClientSampleId :

091516-DRDC-F-U-M

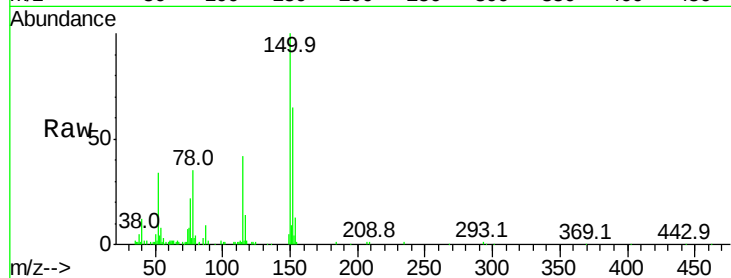
Tot Ion:152 Resp: 44395

Ion Ratio Lower Upper

152 100

150 153.1 144.7 217.1

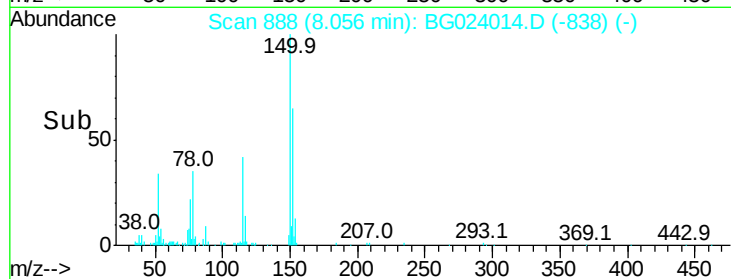
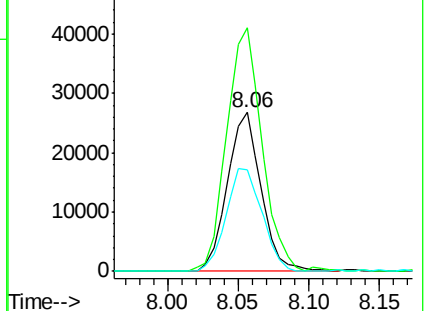
115 64.1 64.0 96.0



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: 47.93 ng

RT: 5.61 min Scan# 471

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

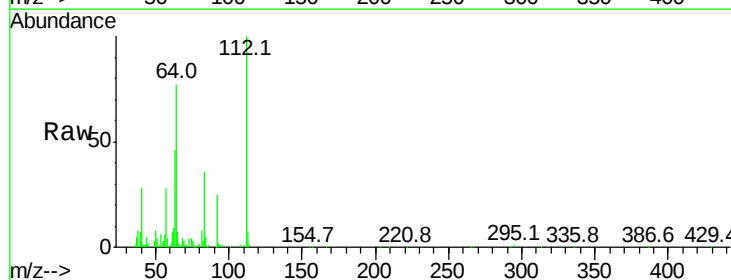
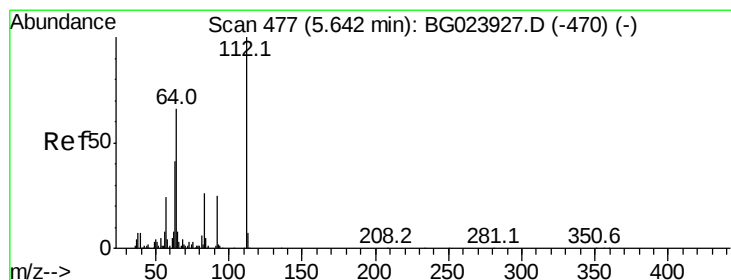
Tgt Ion:112 Resp: 121196

Ion Ratio Lower Upper

112 100

64 77.4 59.0 88.4

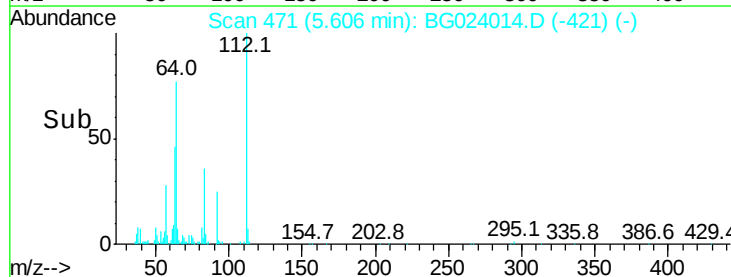
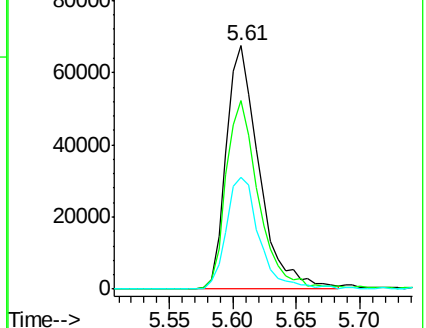
63 46.0 37.8 56.8

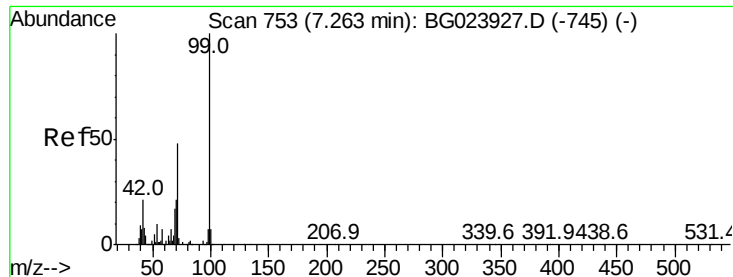


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 29.90 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

BNA_G

ClientSampleId :

091516-DRDC-F-U-M

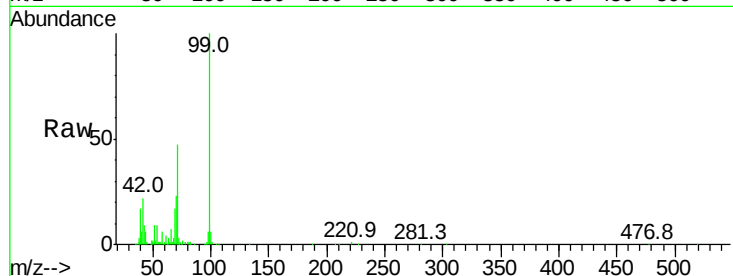
Tot Ion: 99 Resp: 116388

Ion Ratio Lower Upper

99 100

42 21.6 17.8 26.6

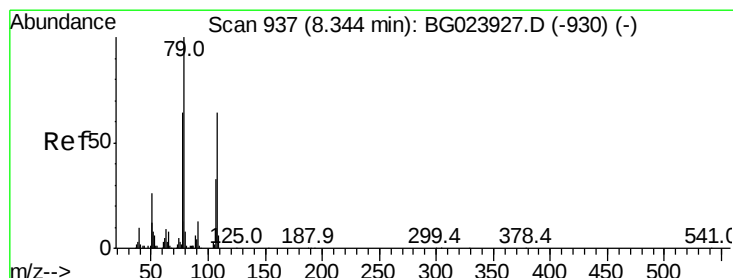
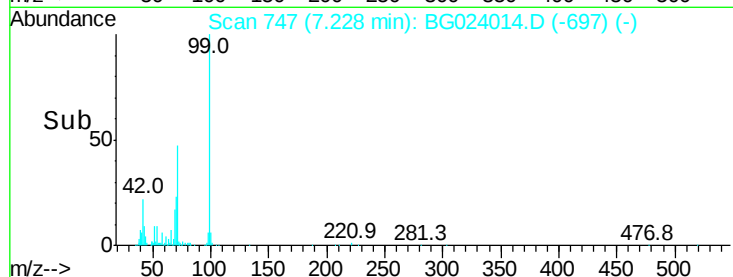
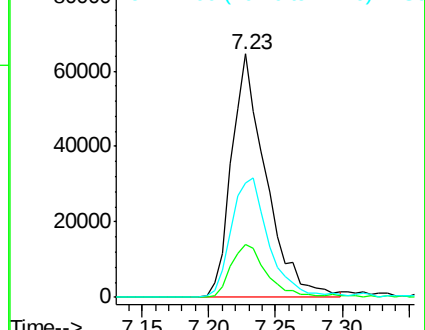
71 47.0 41.5 62.3



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: 2.39 ng

RT: 8.37 min Scan# 942

Delta R.T. 0.06 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

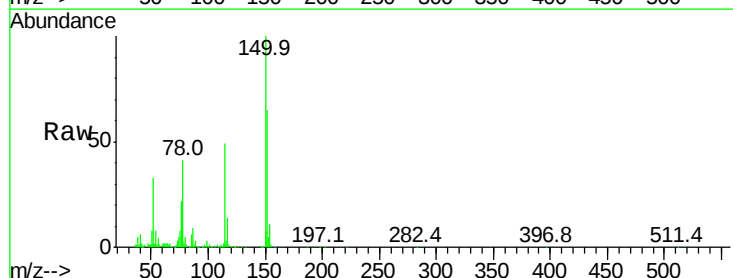
Tgt Ion: 79 Resp: 8193

Ion Ratio Lower Upper

79 100

108 52.7 46.5 69.7

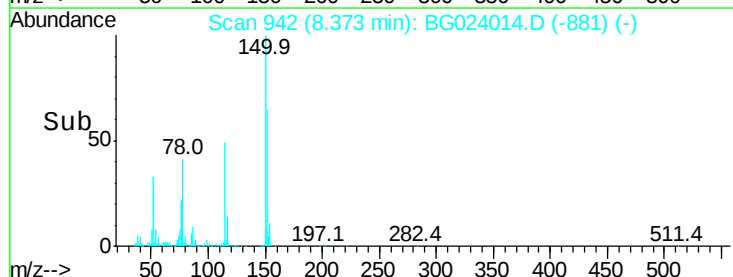
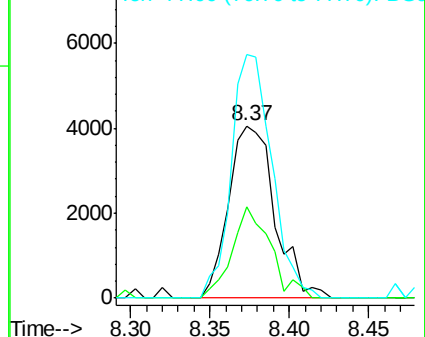
77 141.2 52.3 78.5#

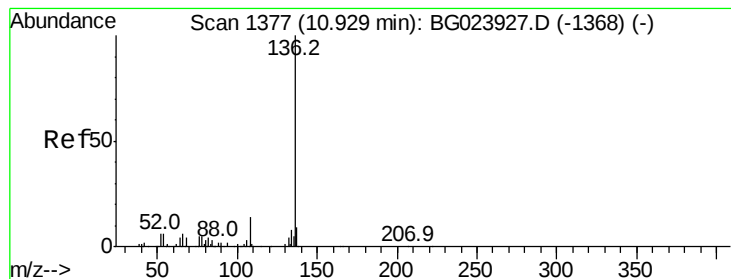


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

BNA_G

ClientSampleId :

091516-DRDC-F-U-M

Tot Ion:136 Resp: 199836

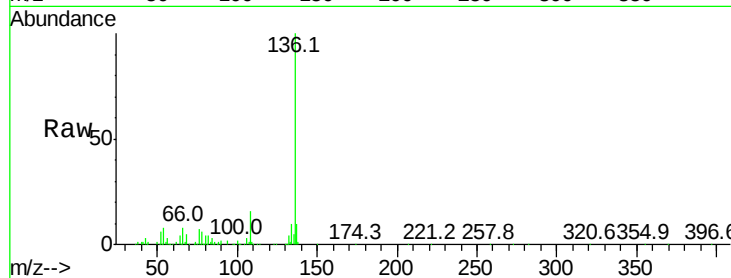
Ion Ratio Lower Upper

136 100

137 10.3 9.6 14.4

54 8.3 7.3 10.9

68 5.2 5.3 7.9#

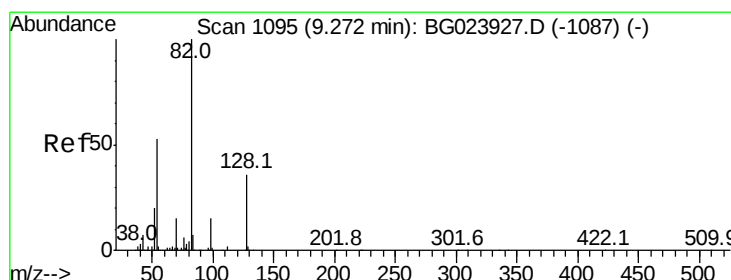
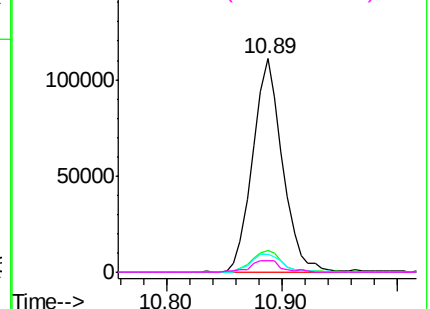
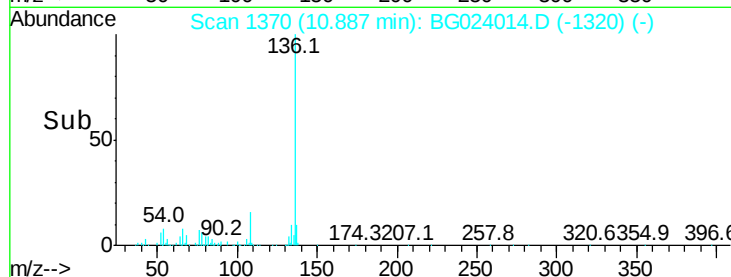


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 111.60 ng

RT: 9.24 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

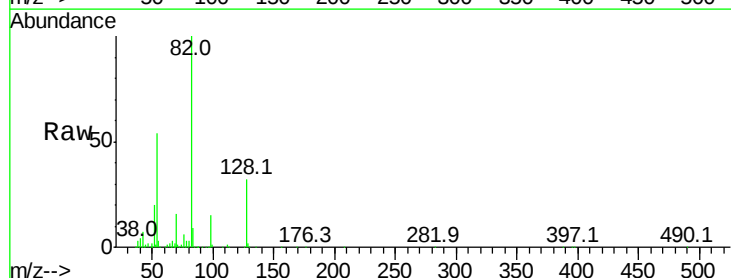
Tgt Ion: 82 Resp: 499545

Ion Ratio Lower Upper

82 100

128 31.8 24.4 36.6

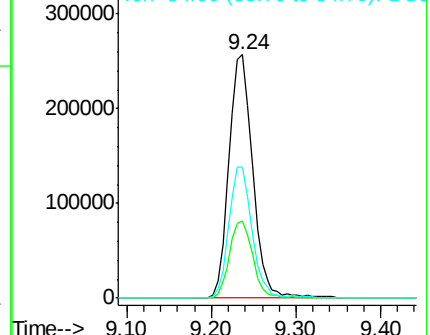
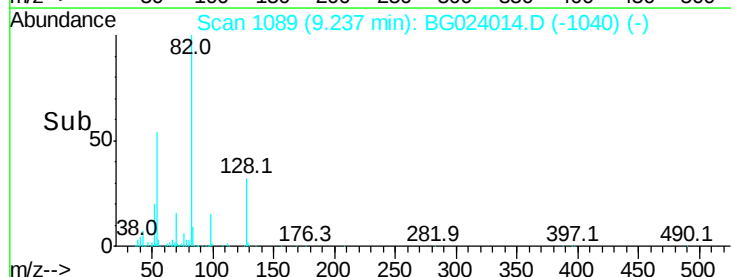
54 54.0 41.4 62.0

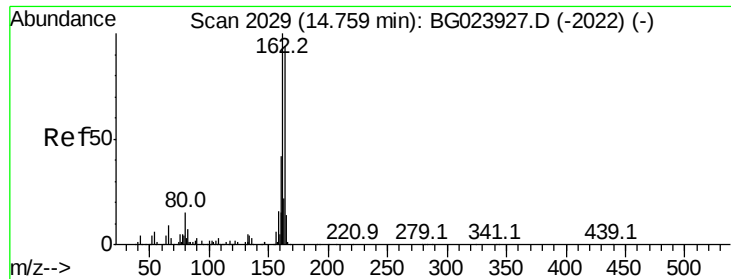


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

BNA_G

ClientSampleId :

091516-DRDC-F-U-M

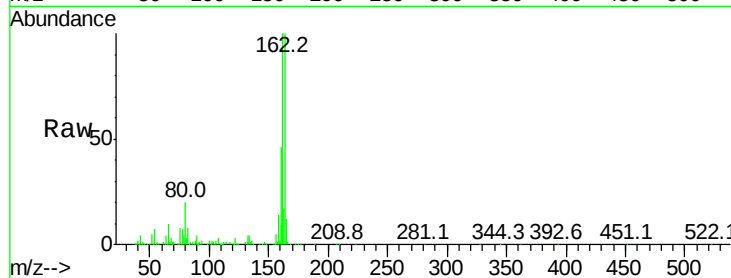
Tot Ion:164 Resp: 173620

Ion Ratio Lower Upper

164 100

162 99.6 87.7 131.5

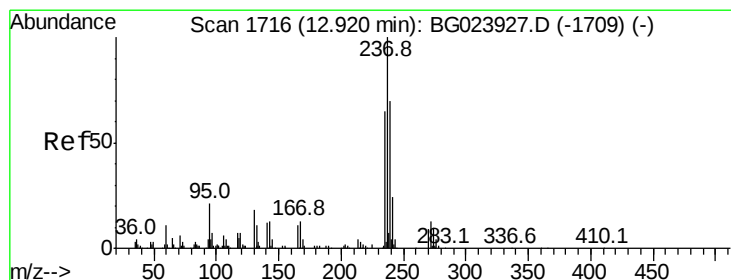
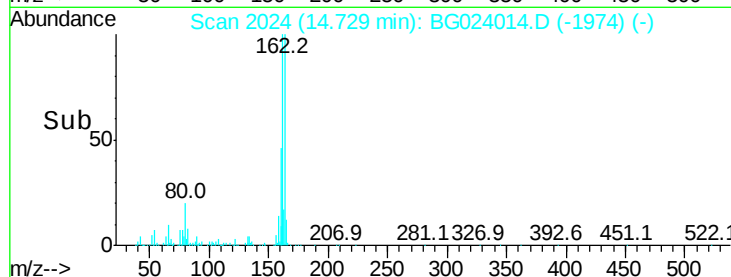
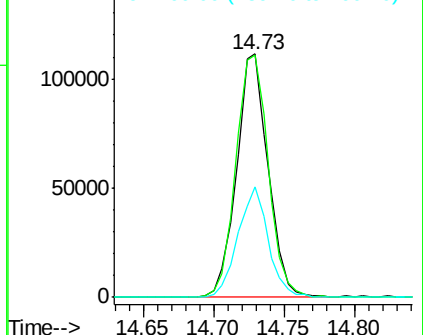
160 45.5 37.2 55.8



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: 7.11 ng

RT: 12.86 min Scan# 1706

Delta R.T. -0.03 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

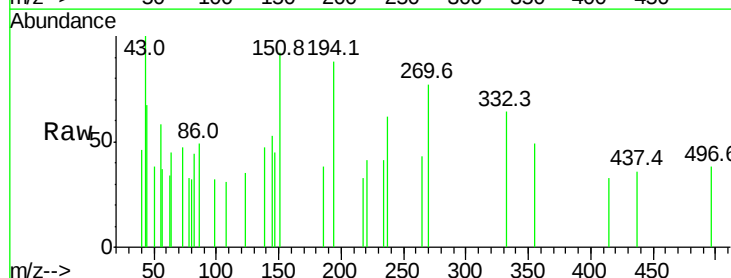
Tgt Ion:237 Resp: 106

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

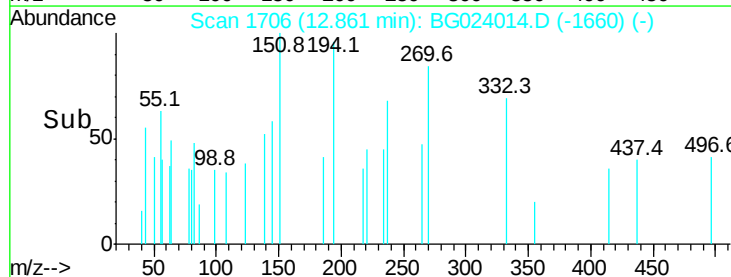
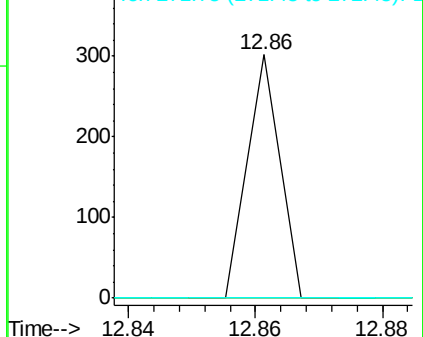
272 0.0 0.0 30.9

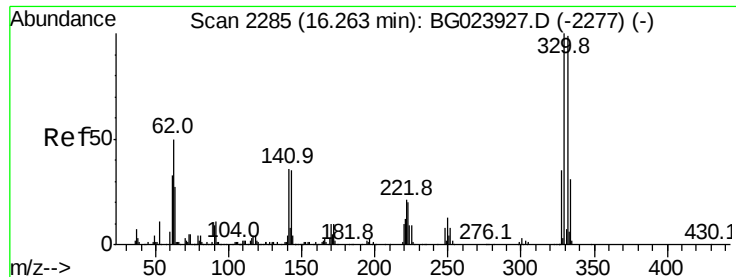


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 79.82 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

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ClientSampleId :

091516-DRDC-F-U-M

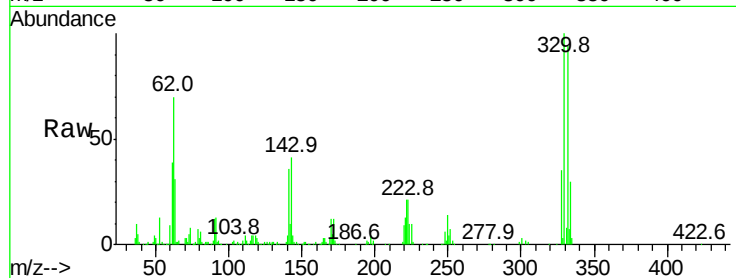
Tot Ion:330 Resp: 249667

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

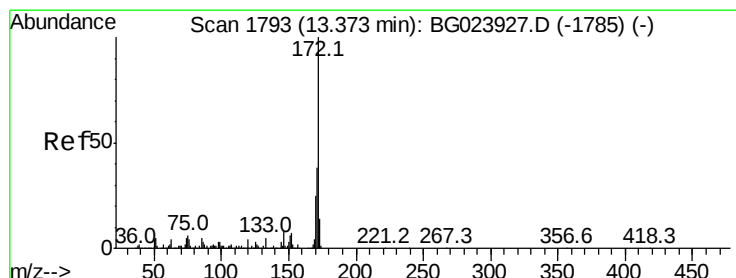
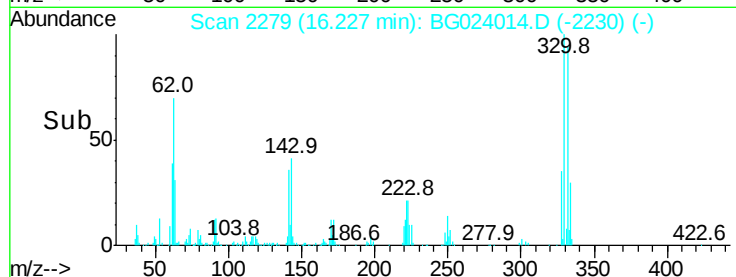
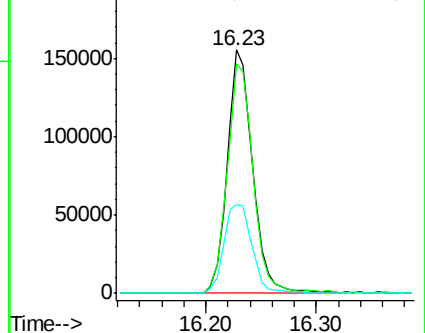
141 40.4 31.7 47.5



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: 84.91 ng

RT: 13.34 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

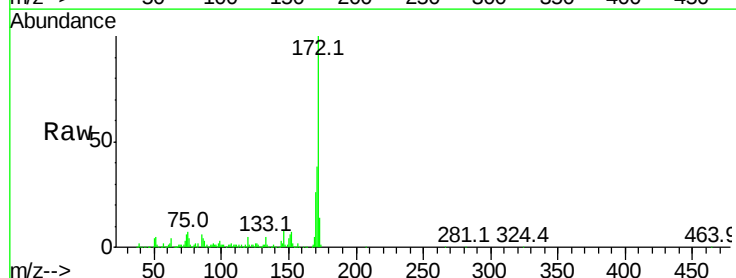
Tgt Ion:172 Resp: 1028210

Ion Ratio Lower Upper

172 100

171 38.2 31.6 47.4

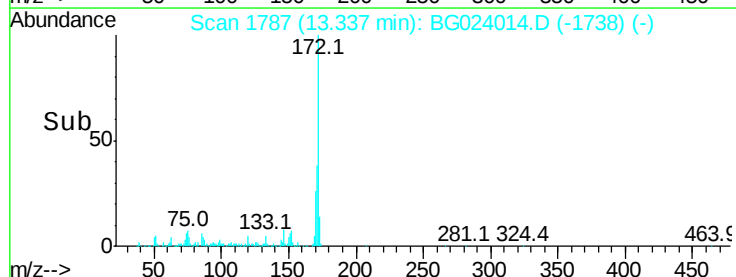
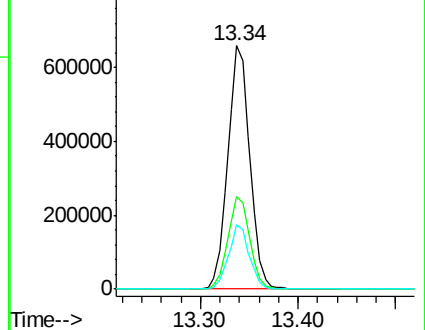
170 26.4 21.3 31.9

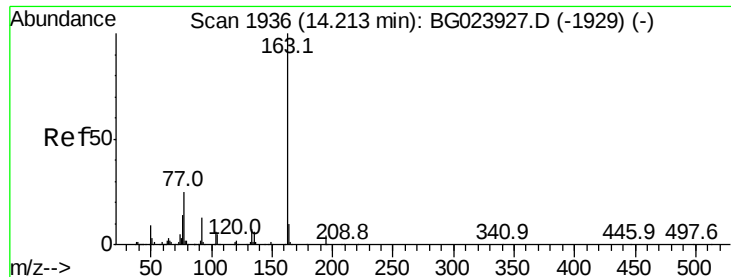


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.31 ng

RT: 14.18 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

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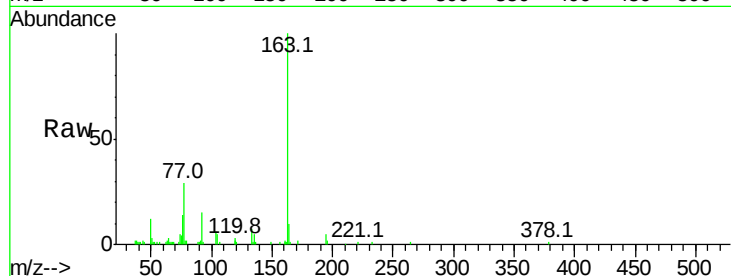
Tot Ion:163 Resp: 49327

Ion Ratio Lower Upper

163 100

194 4.8 3.6 5.4

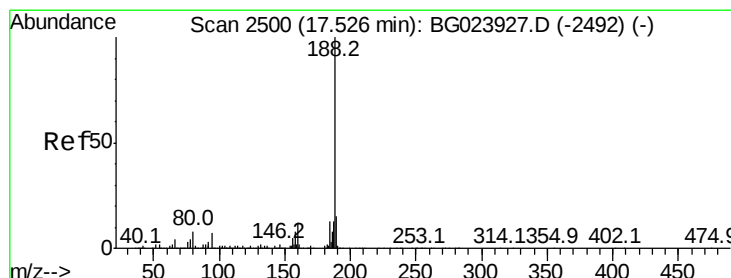
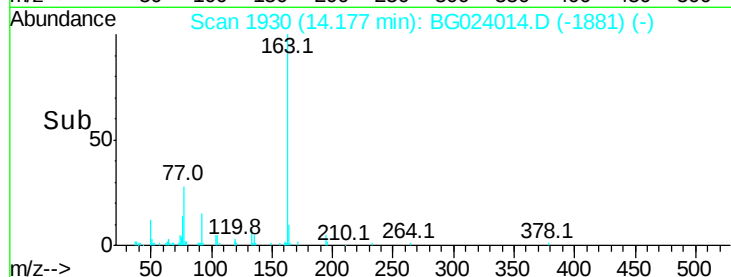
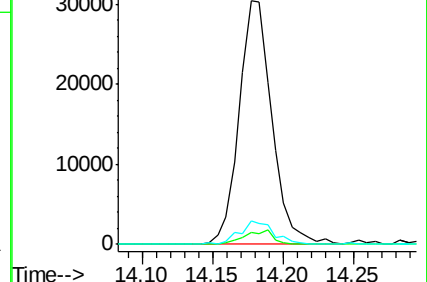
164 9.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

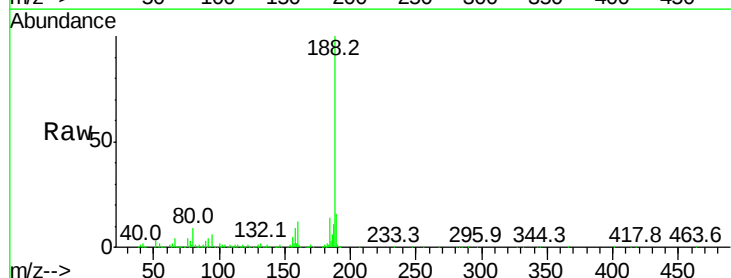
Tgt Ion:188 Resp: 403854

Ion Ratio Lower Upper

188 100

94 6.0 5.2 7.8

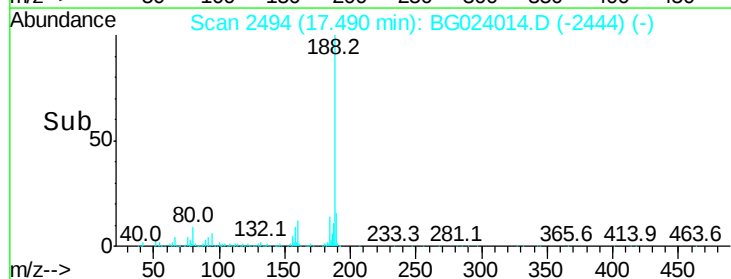
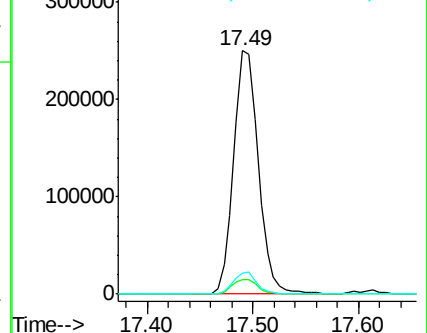
80 8.6 7.2 10.8

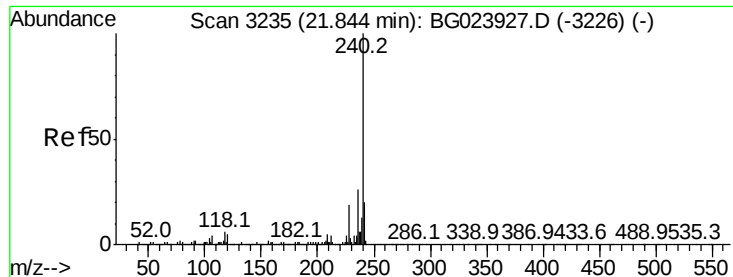


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.80 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

Instrument :

BNA_G

ClientSampleId :

091516-DRDC-F-U-M

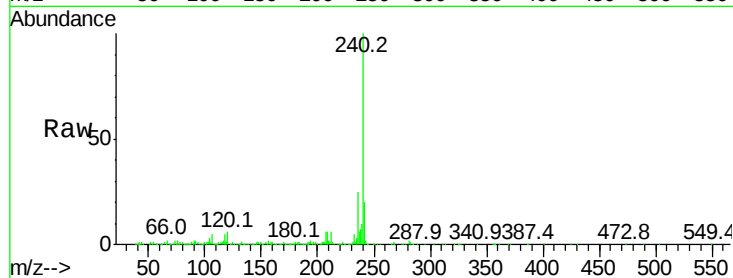
Tot Ion:240 Resp: 429241

Ion Ratio Lower Upper

240 100

120 5.5 4.1 6.1

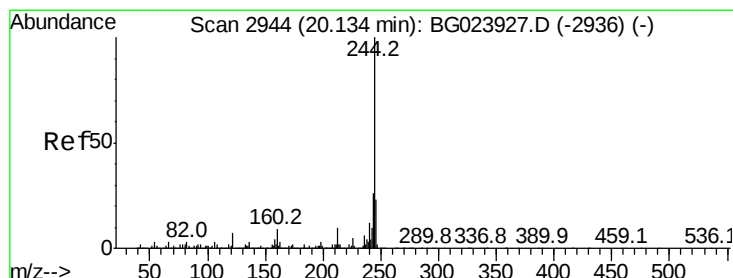
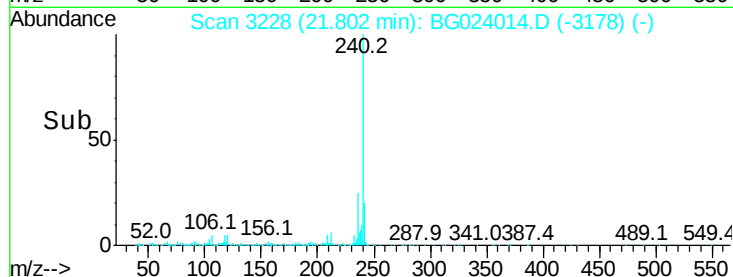
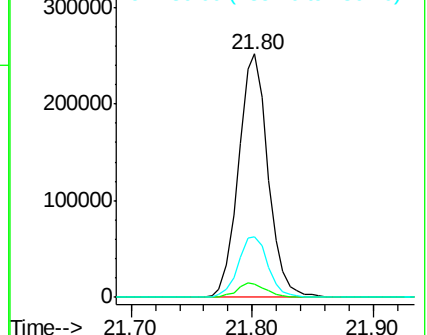
236 24.7 21.1 31.7



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: 81.74 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024014.D

Acq: 17 Sep 2016 4:19

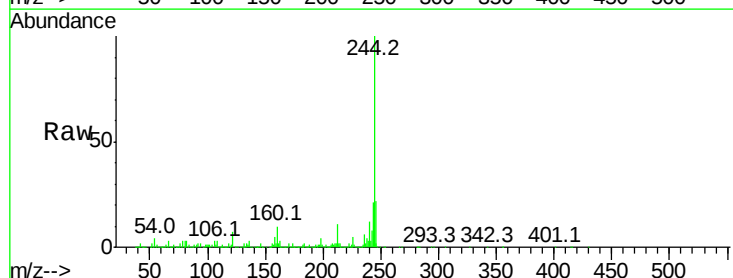
Tgt Ion:244 Resp: 1540711

Ion Ratio Lower Upper

244 100

212 10.7 10.8 16.2#

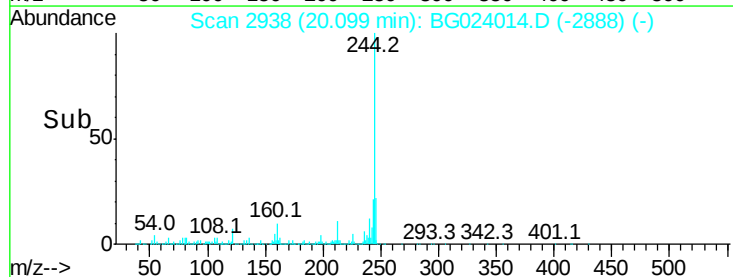
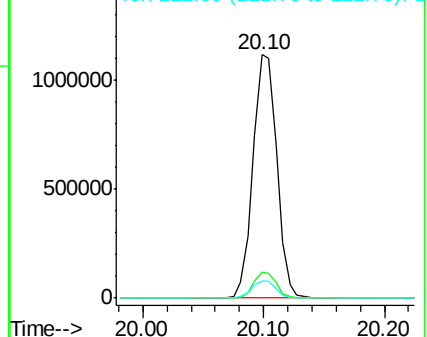
122 7.3 8.0 12.0#

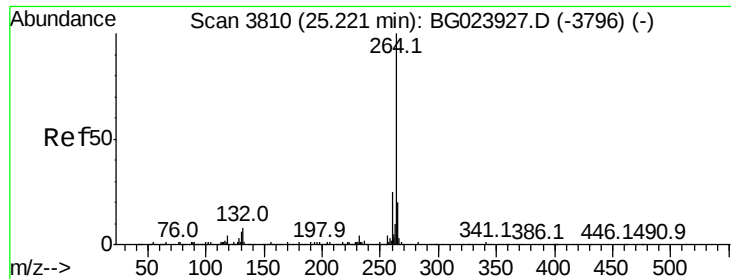


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

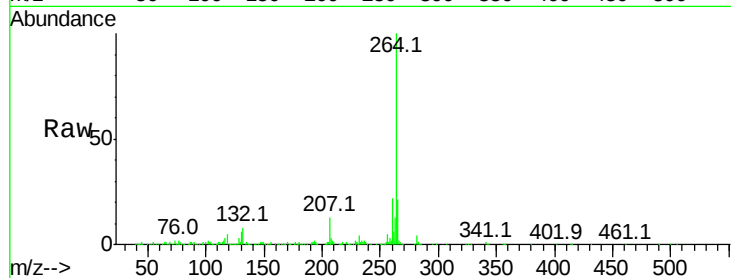




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.14 min Scan# 3797
 Delta R.T. -0.00 min
 Lab File: BG024014.D
 Acq: 17 Sep 2016 4:19

Instrument :
 BNA_G
 ClientSampleId :
 091516-DRDC-F-U-M

Tot Ion:	264	Resp:	429587
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	21.4	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

