

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062116\
 Data File : BG022473.D
 Acq On : 21 Jun 2016 19:34
 Operator : UM/SJ
 Sample : H3631-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-DA-6-COMP

Quant Time: Jun 22 01:47:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

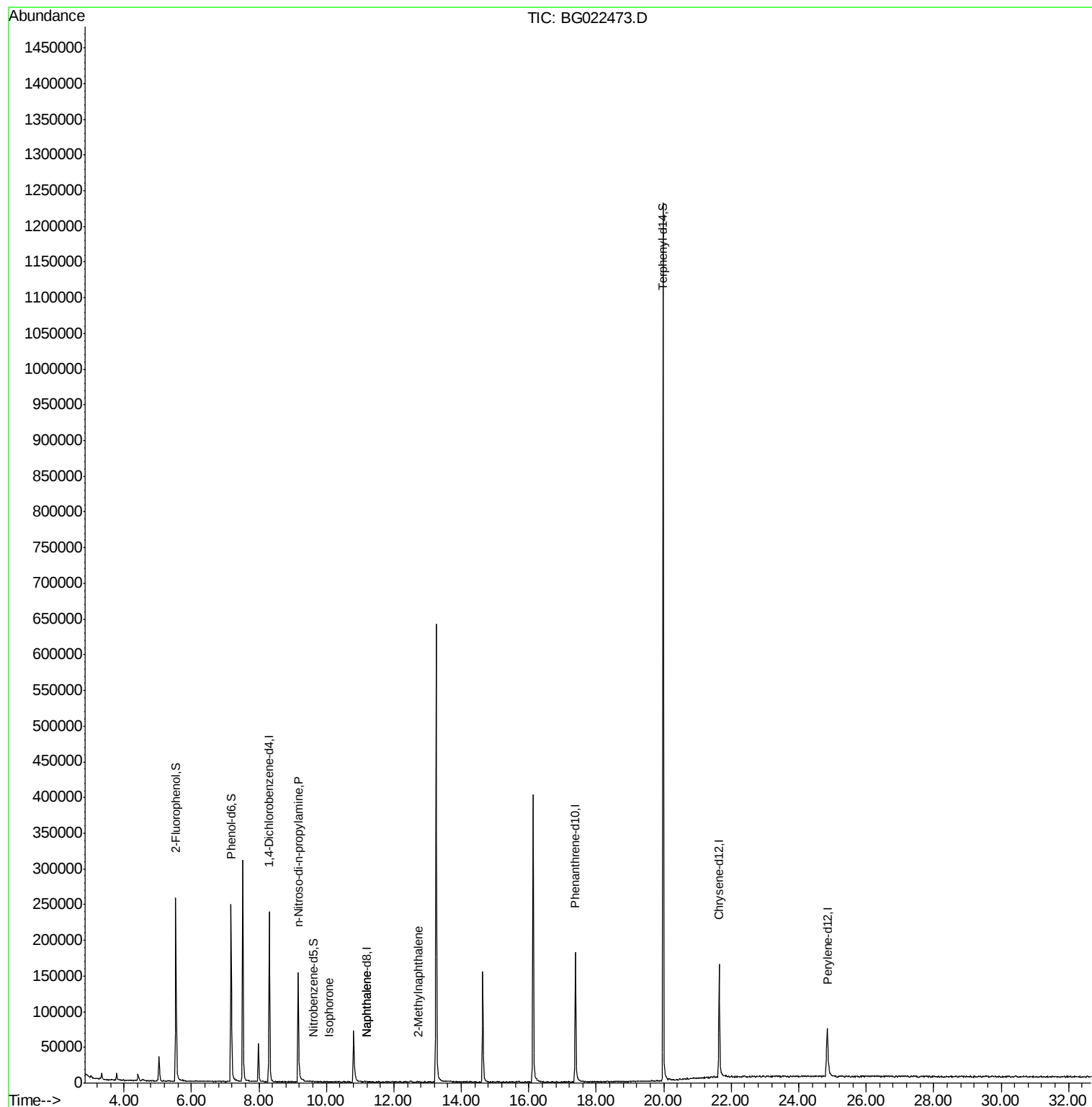
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	87516	20.00	ng	0.21
21) Naphthalene-d8	11.20	136	258	20.00	ng	0.30
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.72
63) Phenanthrene-d10	17.38	188	140725	20.00	ng	-0.09
75) Chrysene-d12	21.64	240	117585	20.00	ng	-0.10
86) Perylene-d12	24.85	264	72144	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	174320	38.51	ng	-0.10
7) Phenol-d6	7.17	99	221572	31.13	ng	-0.08
23) Nitrobenzene-d5	9.60	82	172	46.48	ng	0.34
41) 2,4,6-Tribromophenol	16.13	330	83994	0.00	ng	-0.09
44) 2-Fluorobiphenyl	13.25	172	388712	0.00	ng	-0.09
78) Terphenyl-d14	19.98	244	551077	111.27	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	15116	3.14	ng	# 60
25) Isophorone	10.08	82	60	6.93	ng	# 67
31) Naphthalene	11.21	128	56	4.35	ng	# 71
37) 2-Methylnaphthalene	12.72	142	149	15.67	ng	# 15

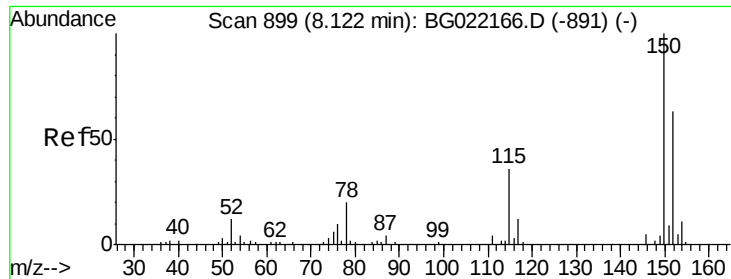
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.30 min Scan# 930

Delta R.T. 0.21 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Instrument :

BNA_G

ClientSampleId :

PL-DA-6-COMP

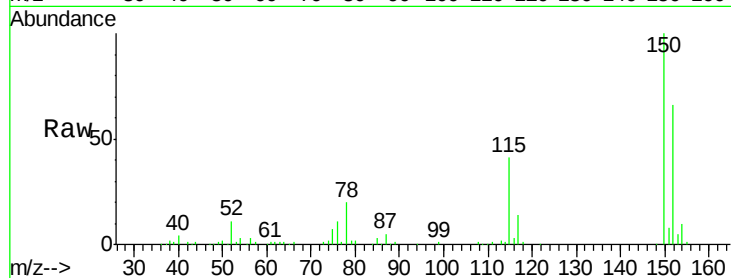
Tgt Ion:152 Resp: 87516

Ion Ratio Lower Upper

152 100

150 151.7 130.1 195.1

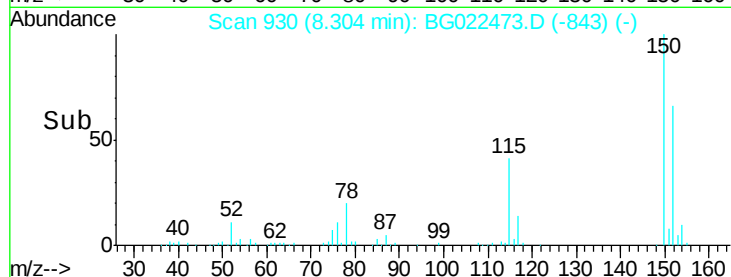
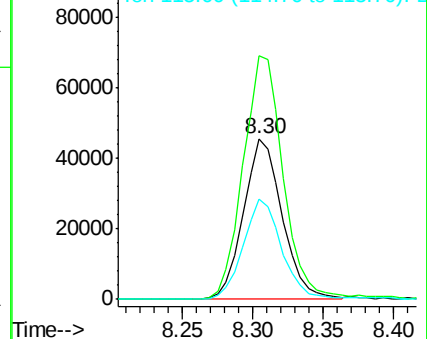
115 62.2 62.2 93.2



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: 38.51 ng

RT: 5.54 min Scan# 459

Delta R.T. -0.10 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

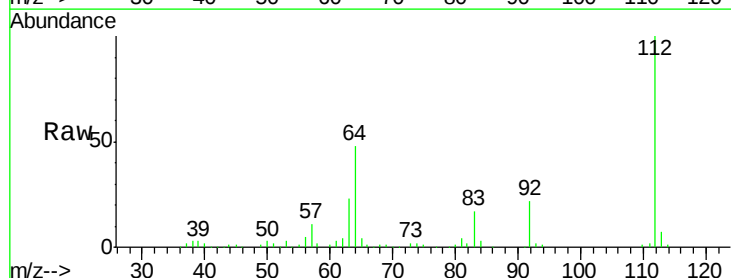
Tgt Ion:112 Resp: 174320

Ion Ratio Lower Upper

112 100

64 48.0 51.1 76.7#

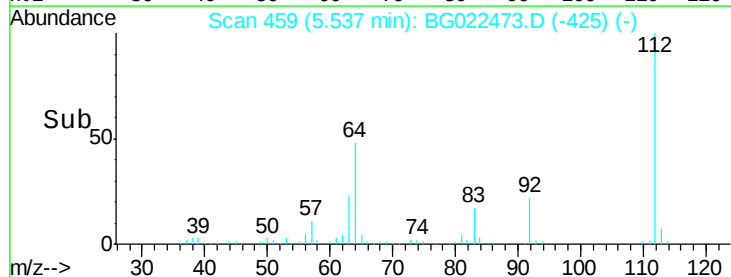
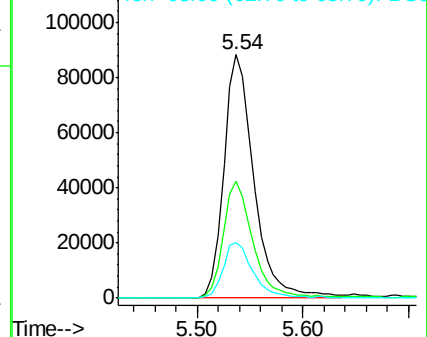
63 22.7 24.6 37.0#



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: 31.13 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.08 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Instrument :

BNA_G

ClientSampleId :

PL-DA-6-COMP

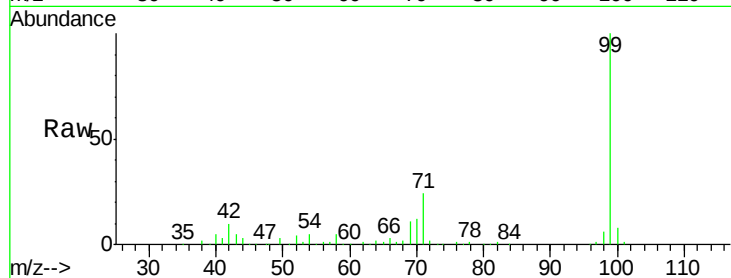
Tgt Ion: 99 Resp: 221572

Ion Ratio Lower Upper

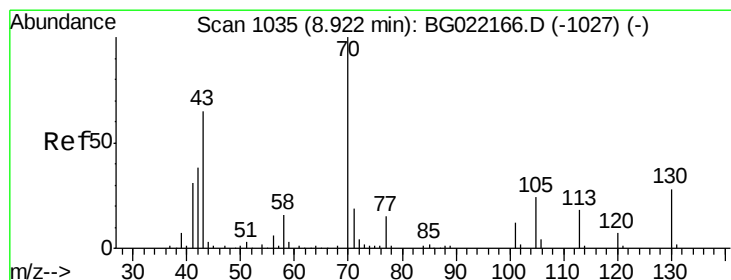
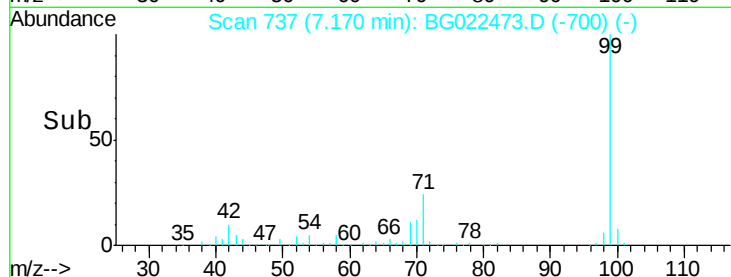
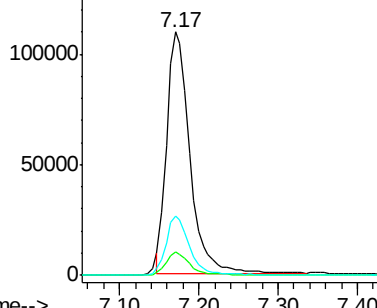
99 100

42 9.9 16.4 24.6#

71 24.3 25.0 37.4#



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.14 ng

RT: 9.16 min Scan# 1076

Delta R.T. 0.27 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Tgt Ion: 70 Resp: 15116

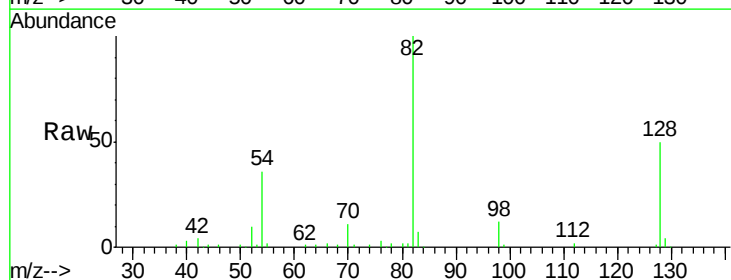
Ion Ratio Lower Upper

70 100

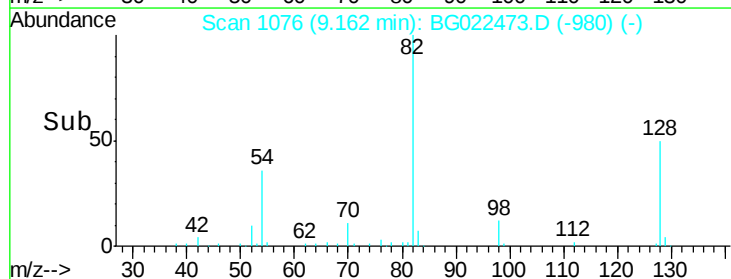
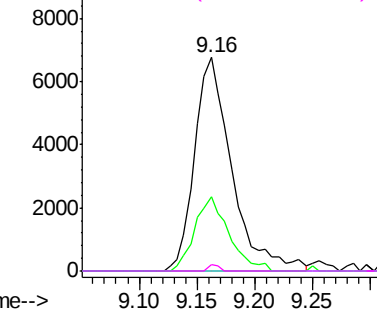
42 34.5 56.7 85.1#

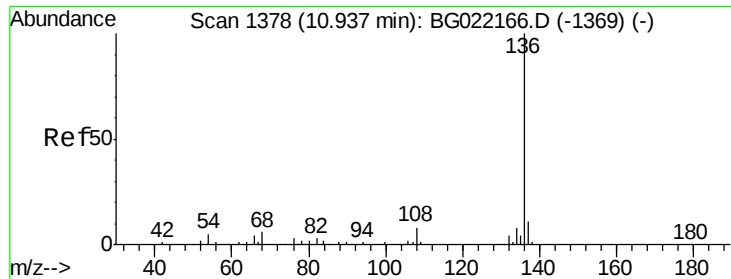
101 0.0 8.2 12.4#

130 3.3 14.0 21.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

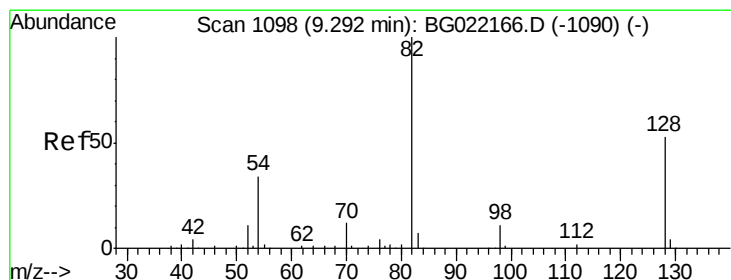
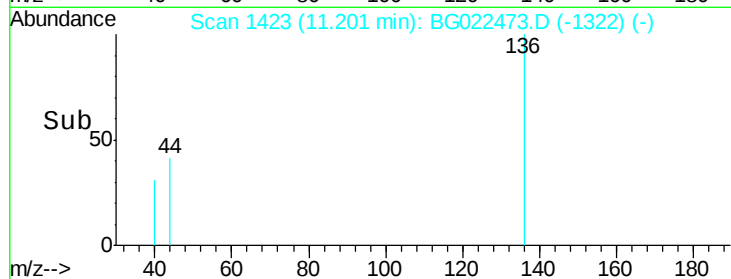
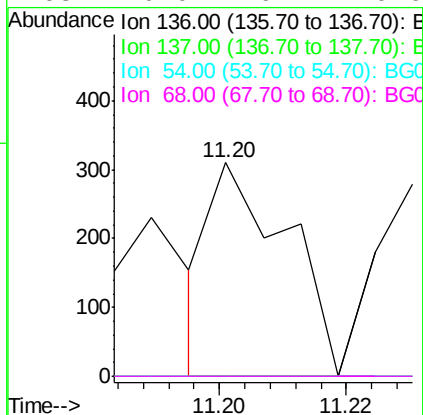
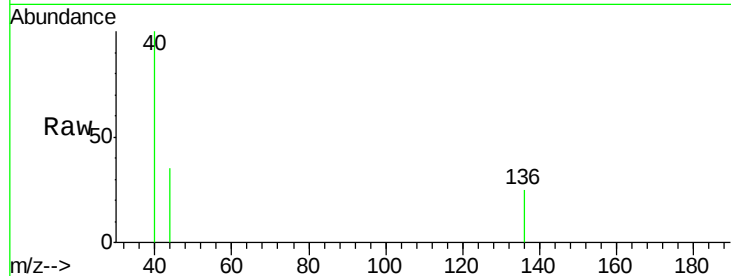




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.20 min Scan# 1423
Delta R.T. 0.30 min
Lab File: BG022473.D
Acq: 21 Jun 2016 19:34

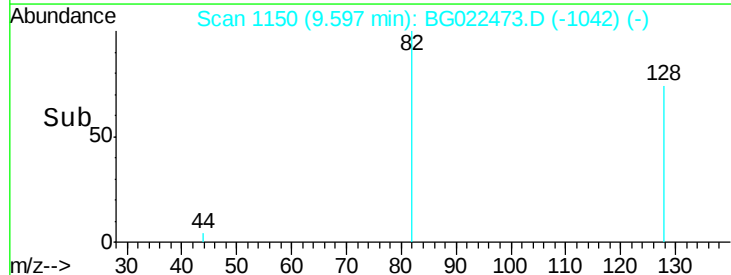
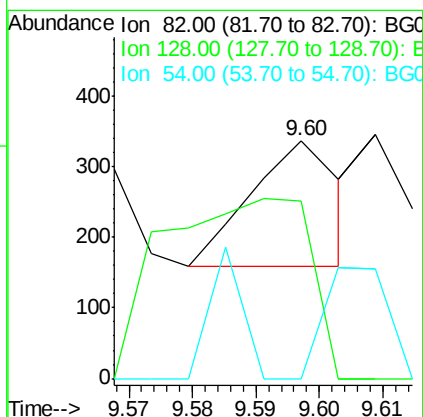
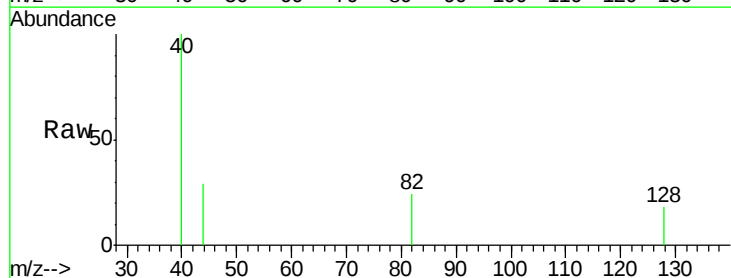
Instrument :
BNA_G
ClientSampleId :
PL-DA-6-COMP

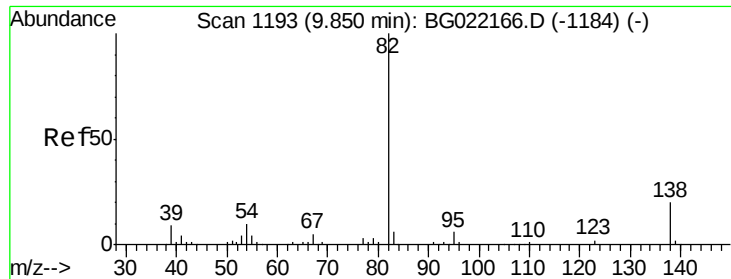
Tgt Ion:	136	Resp:	258
Ion	Ratio	Lower	Upper
136	100		
137	0.0	9.0	13.4#
54	0.0	9.6	14.4#
68	0.0	6.4	9.6#



#23
Nitrobenzene-d5
Concen: 46.48 ng
RT: 9.60 min Scan# 1150
Delta R.T. 0.34 min
Lab File: BG022473.D
Acq: 21 Jun 2016 19:34

Tgt Ion:	82	Resp:	172
Ion	Ratio	Lower	Upper
82	100		
128	74.5	33.4	50.0#
54	0.0	46.1	69.1#





#25

Isophorone

Concen: 6.93 ng

RT: 10.08 min Scan# 1233

Delta R.T. 0.26 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Instrument :

BNA_G

ClientSampleId :

PL-DA-6-COMP

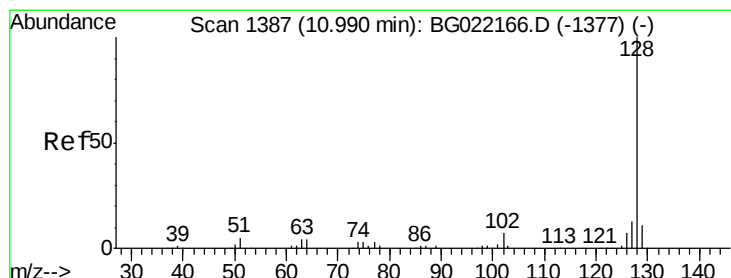
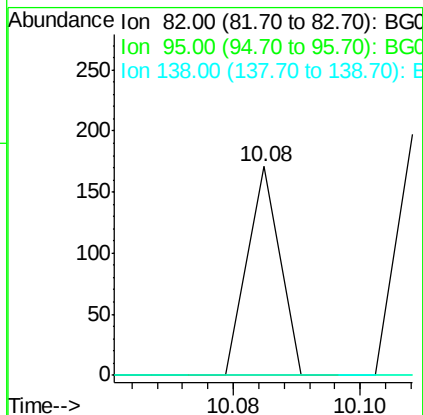
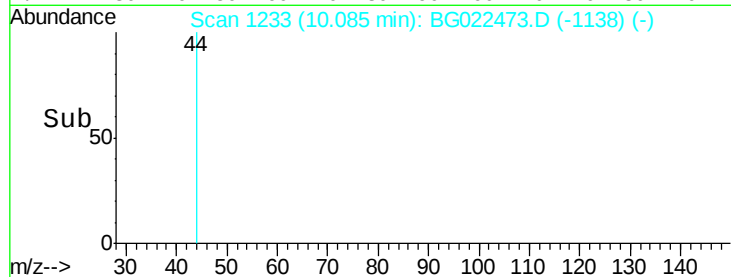
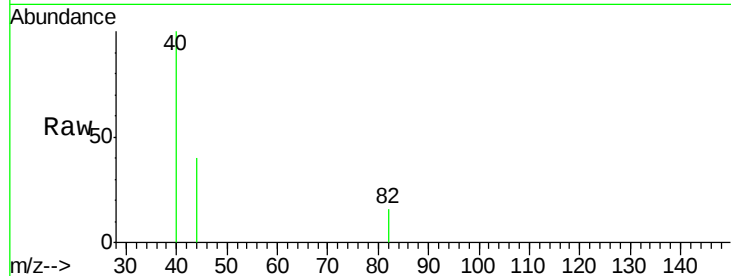
Tgt Ion: 82 Resp: 60

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.0#



#31

Naphthalene

Concen: 4.35 ng

RT: 11.21 min Scan# 1424

Delta R.T. 0.25 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

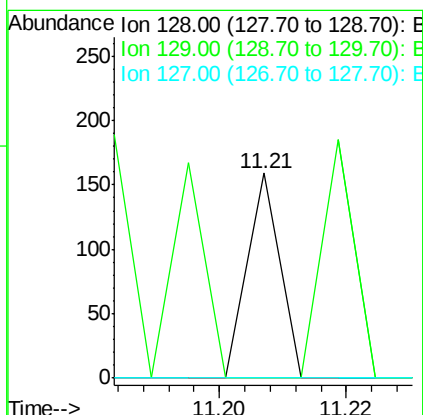
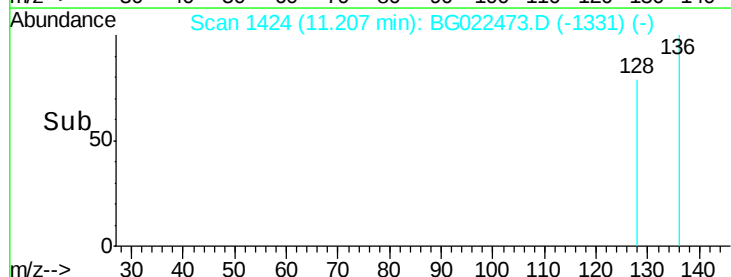
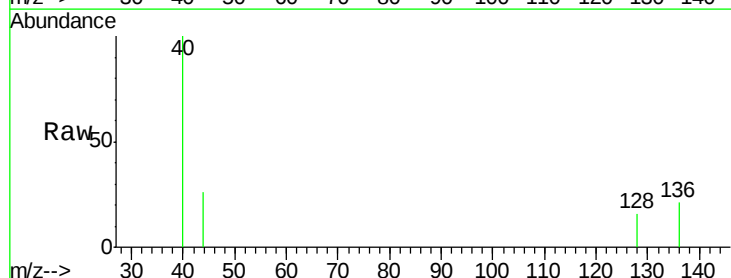
Tgt Ion: 128 Resp: 56

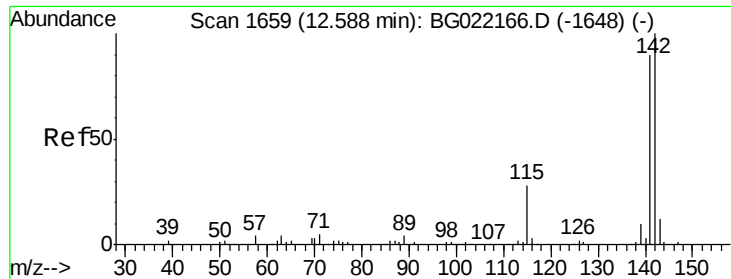
Ion Ratio Lower Upper

128 100

129 0.0 7.0 10.6#

127 0.0 10.1 15.1#

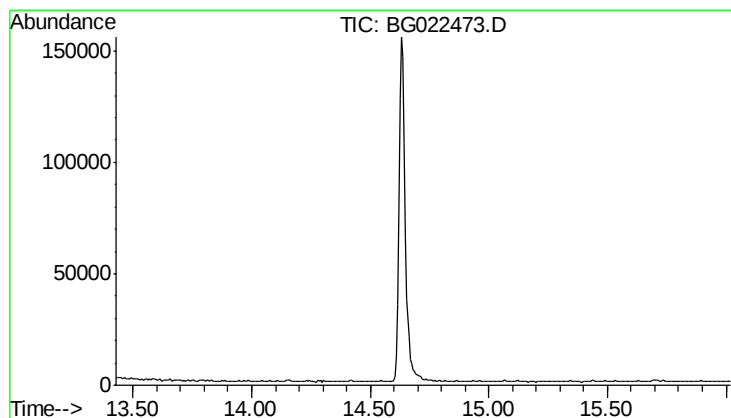
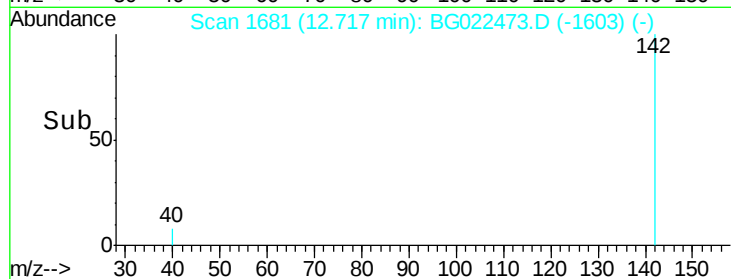
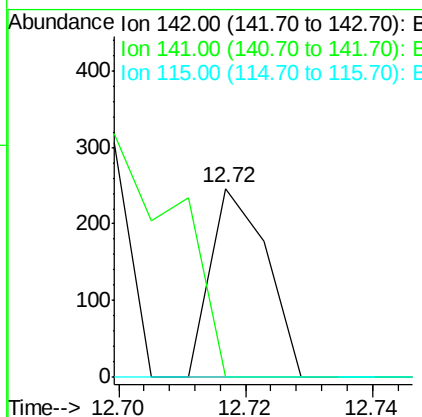
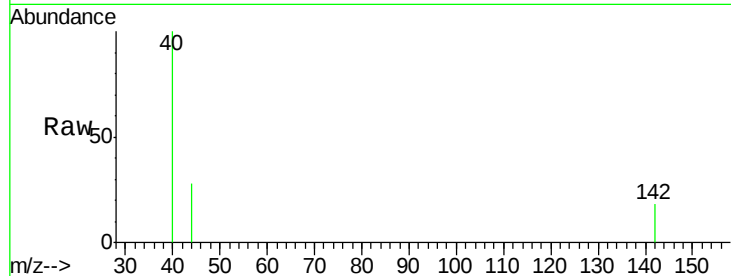




#37
 2-Methylnaphthalene
 Concen: 15.67 ng
 RT: 12.72 min Scan# 1681
 Delta R.T. 0.16 min
 Lab File: BG022473.D
 Acq: 21 Jun 2016 19:34

Instrument :
 BNA_G
 ClientSampleId :
 PL-DA-6-COMP

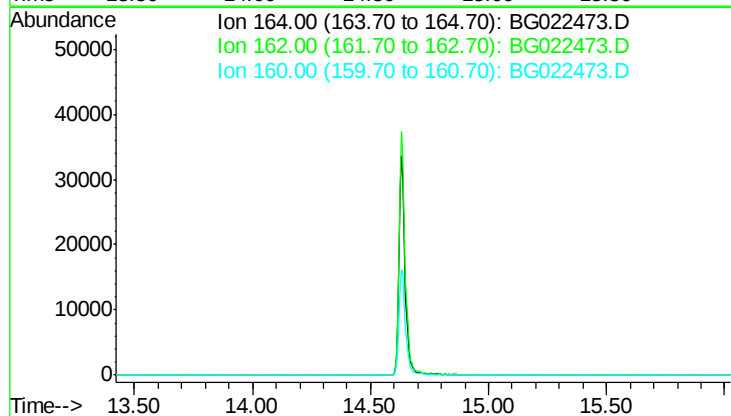
Tgt Ion:142 Resp: 149
 Ion Ratio Lower Upper
 142 100
 141 0.0 71.4 107.0#
 115 0.0 27.4 41.2#

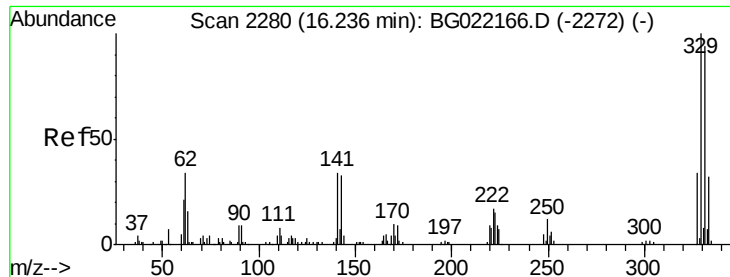


#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 14.72 min

Lab File: BG022473.D
 Acq: 21 Jun 2016 19:34

Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 97.5
 160 41.1





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

RT: 16.13 min Scan# 2262

Delta R.T. -0.09 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Instrument :

BNA_G

ClientSampleId :

PL-DA-6-COMP

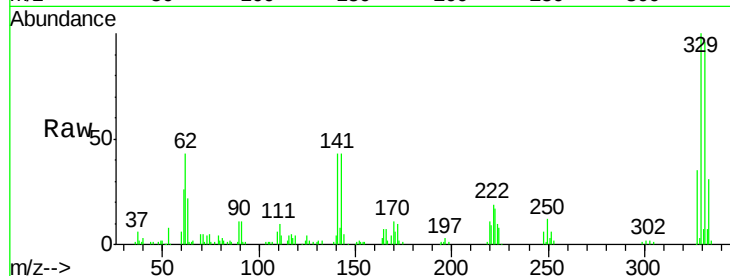
Tgt Ion:330 Resp: 83994

Ion Ratio Lower Upper

330 100

332 94.1 78.0 117.0

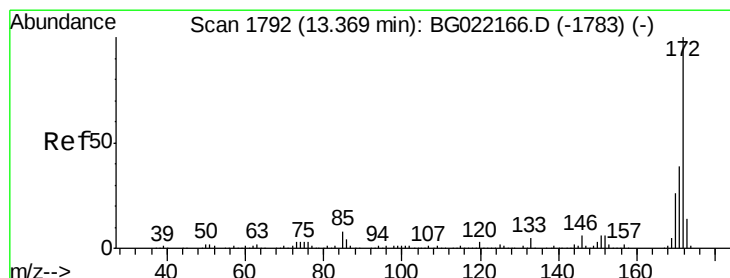
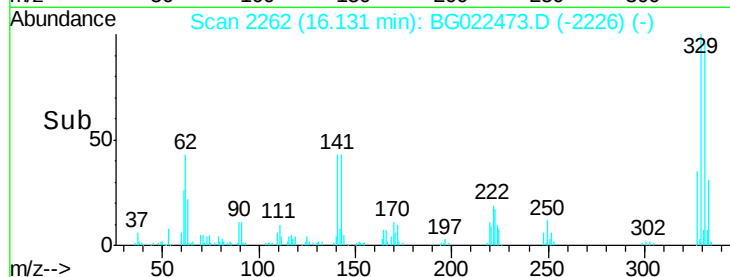
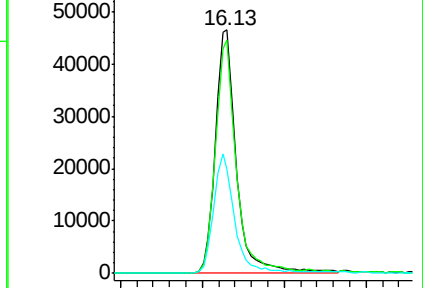
141 49.1 33.8 50.8



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: 0.00 ng

RT: 13.25 min Scan# 1772

Delta R.T. -0.09 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

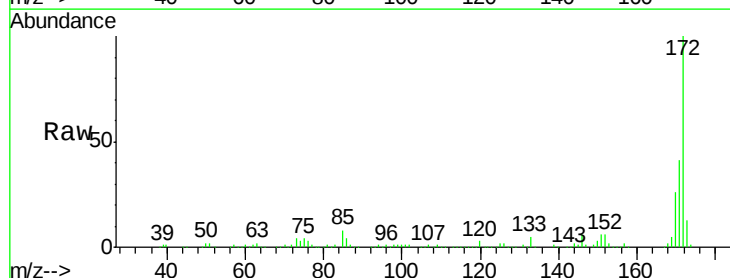
Tgt Ion:172 Resp: 388712

Ion Ratio Lower Upper

172 100

171 41.0 27.8 41.6

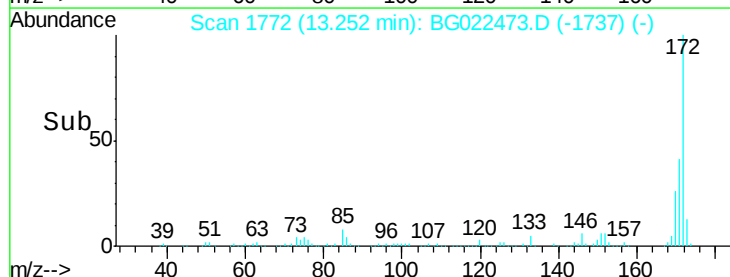
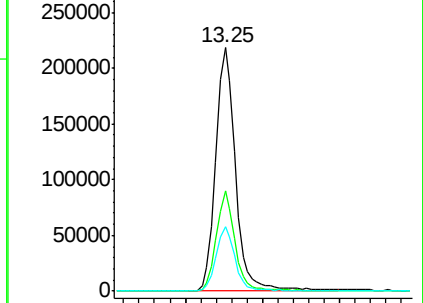
170 26.4 19.6 29.4

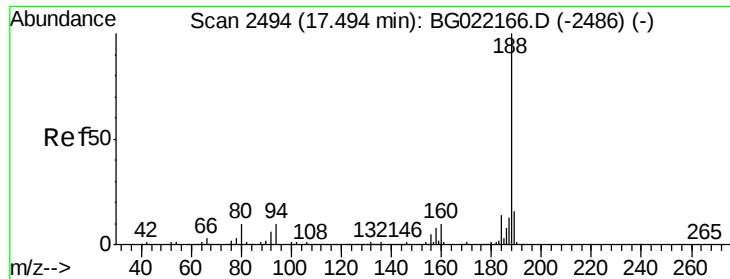


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

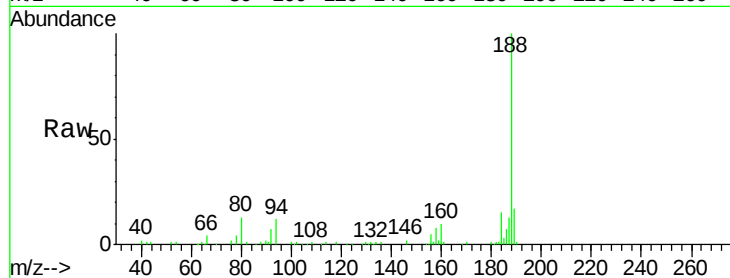




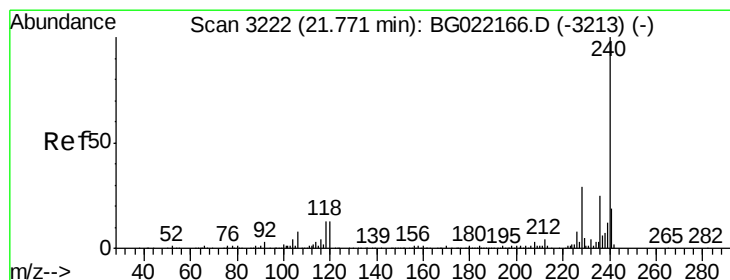
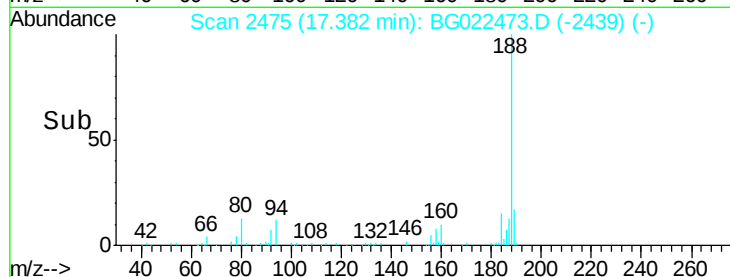
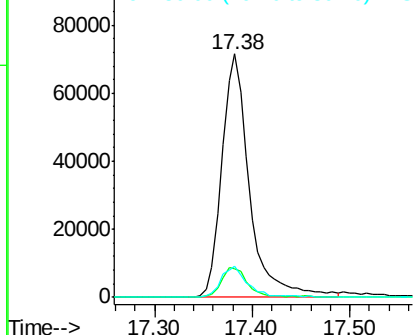
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2475
Delta R.T. -0.09 min
Lab File: BG022473.D
Acq: 21 Jun 2016 19:34

Instrument :
BNA_G
ClientSampleId :
PL-DA-6-COMP

Tgt Ion:188 Resp: 140725
Ion Ratio Lower Upper
188 100
94 11.7 7.5 11.3#
80 13.0 8.6 13.0#

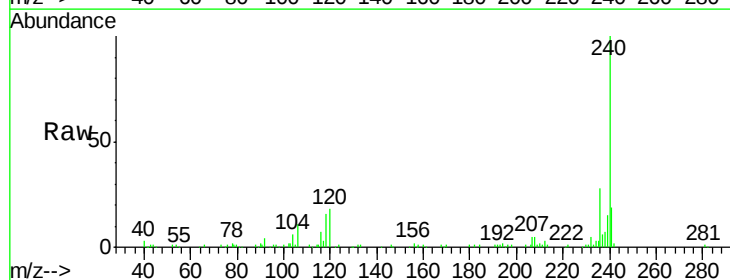


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

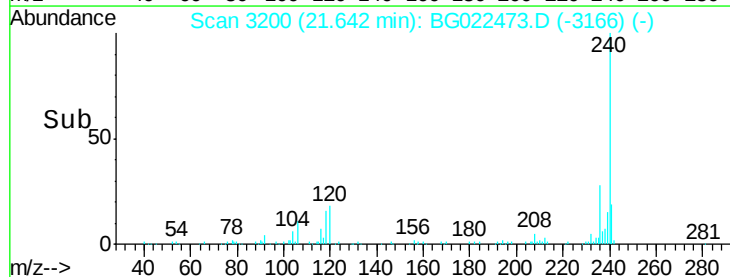
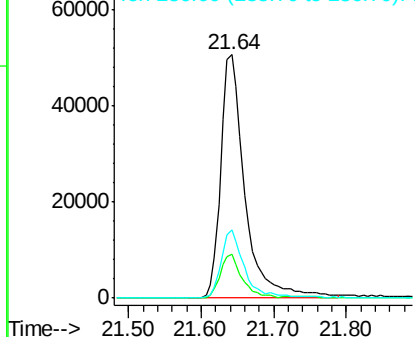


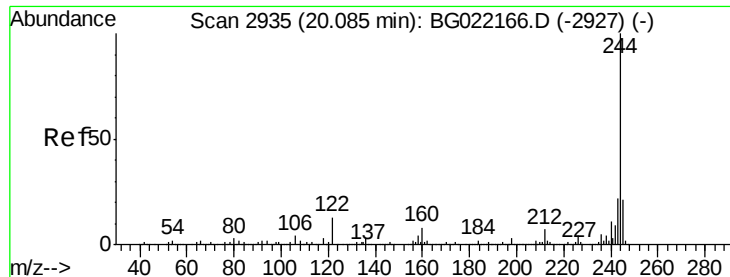
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.64 min Scan# 3200
Delta R.T. -0.10 min
Lab File: BG022473.D
Acq: 21 Jun 2016 19:34

Tgt Ion:240 Resp: 117585
Ion Ratio Lower Upper
240 100
120 18.0 8.4 12.6#
236 28.1 19.6 29.4



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





#78

Terphenyl-d14

Concen: 111.27 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.08 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

Instrument :

BNA_G

ClientSampleId :

PL-DA-6-COMP

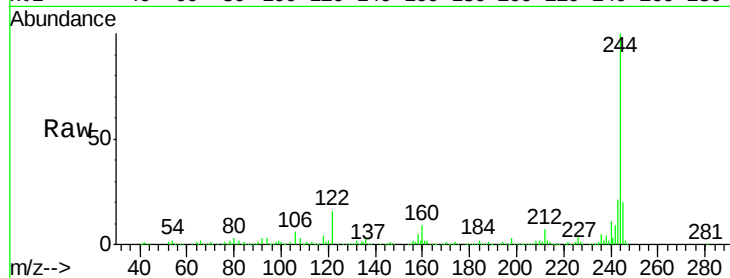
Tgt Ion:244 Resp: 551077

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

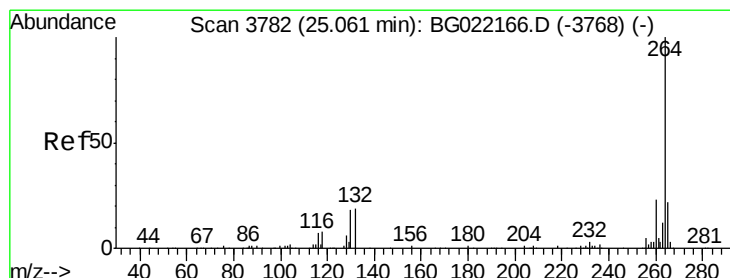
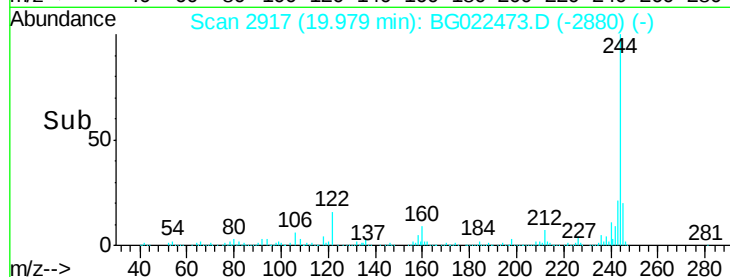
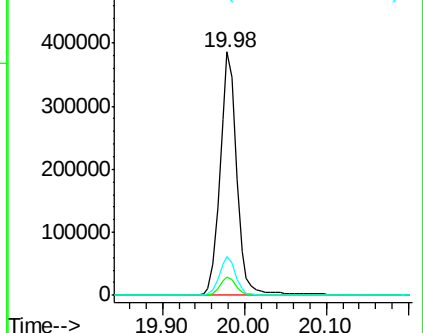
122 15.8 8.6 12.8#



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: 20.00 ng

RT: 24.85 min Scan# 3746

Delta R.T. -0.16 min

Lab File: BG022473.D

Acq: 21 Jun 2016 19:34

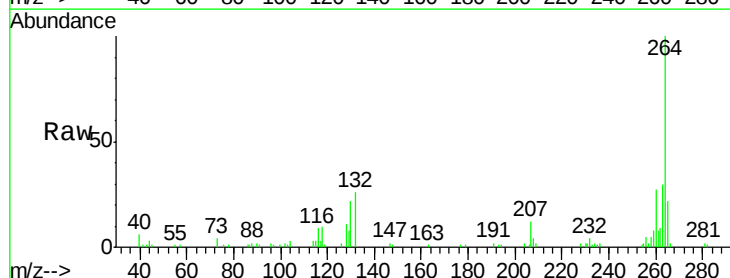
Tgt Ion:264 Resp: 72144

Ion Ratio Lower Upper

264 100

260 26.9 20.2 30.4

265 21.7 17.8 26.8



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

