

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062416\
 Data File : BG022533.D
 Acq On : 24 Jun 2016 10:21
 Operator : UM/SJ
 Sample : H3665-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 24 15:38:43 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 04:19:57 2016
 Response via : Initial Calibration

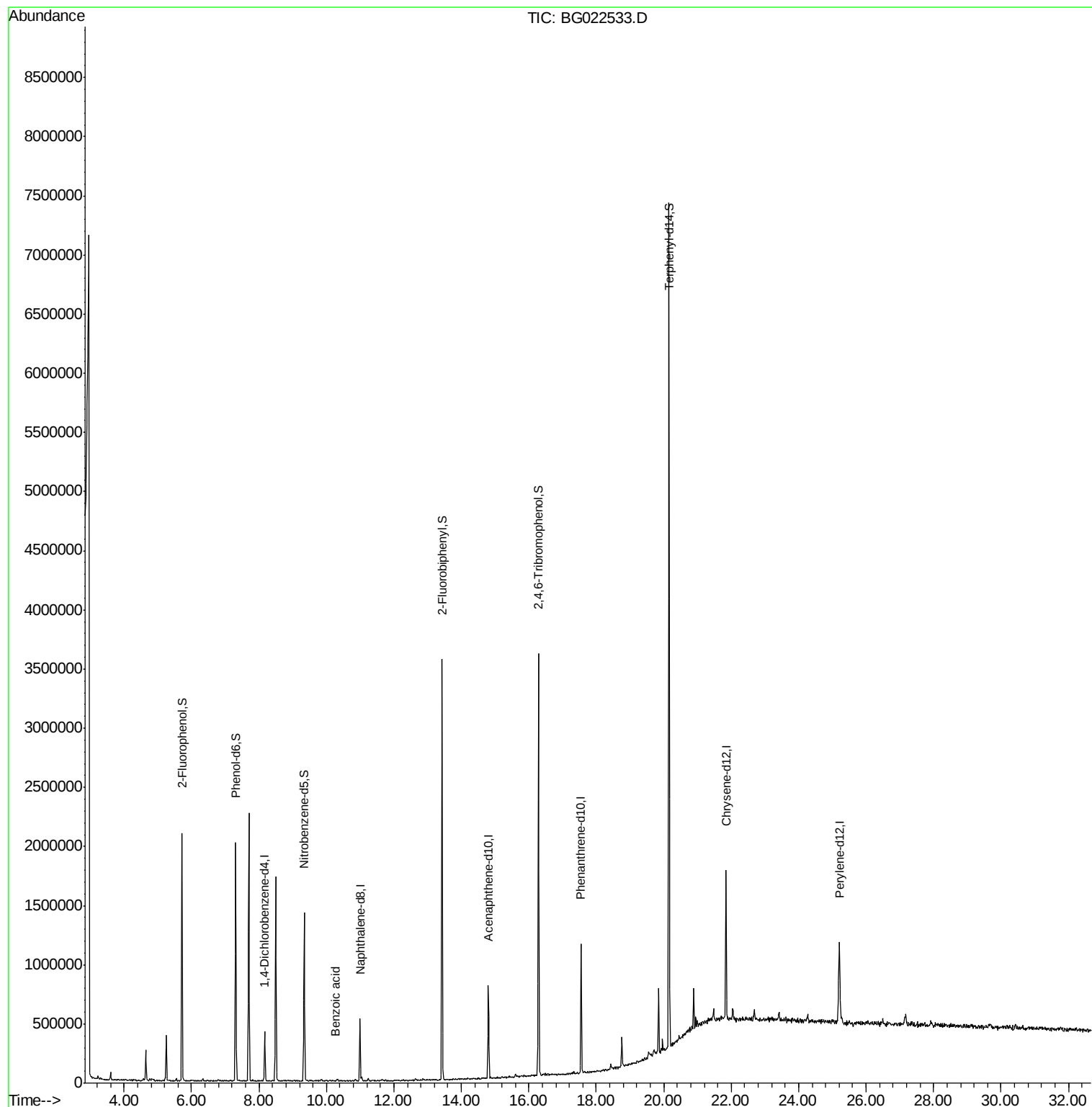
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	100766	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	385964	20.00	ng	-0.01
38) Acenaphthene-d10	14.80	164	269918	20.00	ng	-0.02
63) Phenanthrene-d10	17.55	188	661088	20.00	ng	-0.02
75) Chrysene-d12	21.85	240	774980	20.00	ng	-0.02
86) Perylene-d12	25.21	264	769305	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	778156	125.06	ng	0.00
7) Phenol-d6	7.31	99	1044251	119.87	ng	0.00
23) Nitrobenzene-d5	9.34	82	860146	95.42	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	617078	147.32	ng	-0.02
44) 2-Fluorobiphenyl	13.43	172	1687570	95.43	ng	-0.02
78) Terphenyl-d14	20.16	244	2633377	106.24	ng	0.00
Target Compounds						
32) Benzoic acid	10.26	122	55	3.88	ng	# 1
53) 2,4-Dinitrophenol	14.91	184	61	Below	Cal	# 35
64) 4,6-Dinitro-2-methylphenol	15.95	198	101	Below	Cal	# 21
73) Di-n-butylphthalate	18.51	149	3304	Below	Cal	# 75
74) Fluoranthene	19.60	202	1105	Below	Cal	77

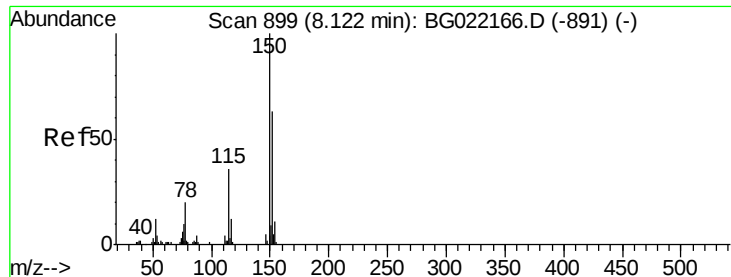
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

Instrument :

BNA_G

ClientSampleId :

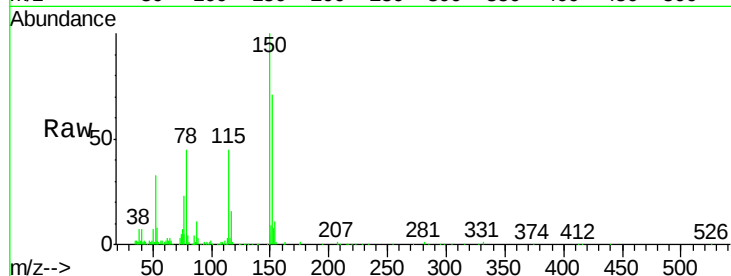
Tot Ion:152 Resp: 100766

Ion Ratio Lower Upper

152 100

150 140.2 144.7 217.1#

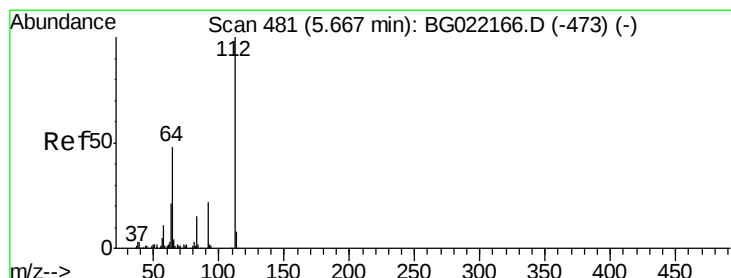
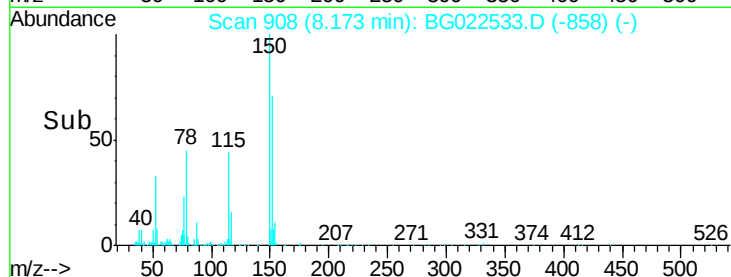
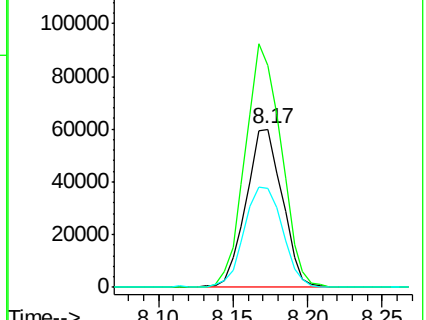
115 62.5 64.0 96.0#



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: 125.06 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

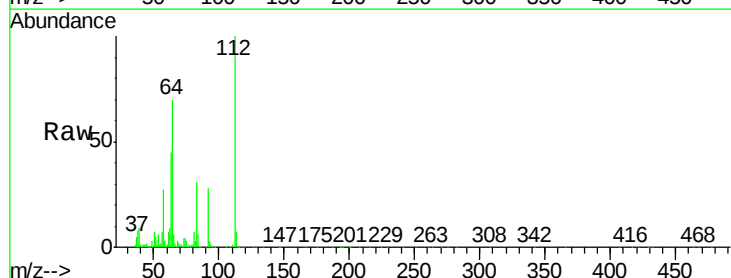
Tgt Ion:112 Resp: 778156

Ion Ratio Lower Upper

112 100

64 69.8 59.0 88.4

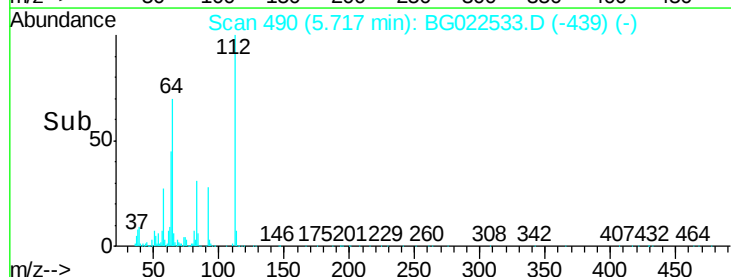
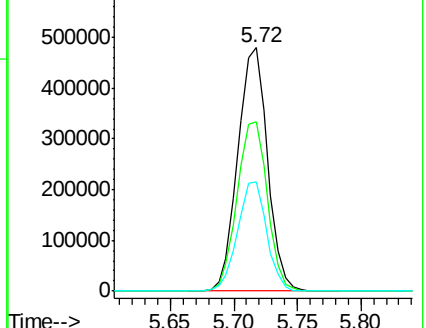
63 45.0 37.8 56.8

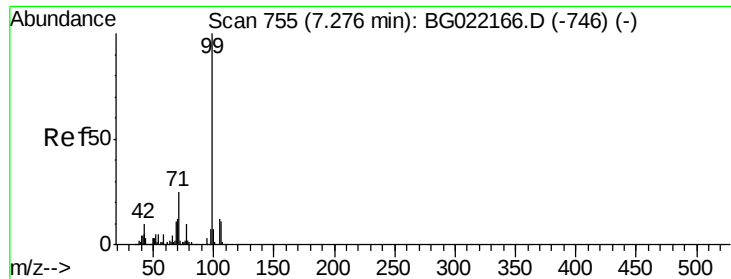


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.87 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

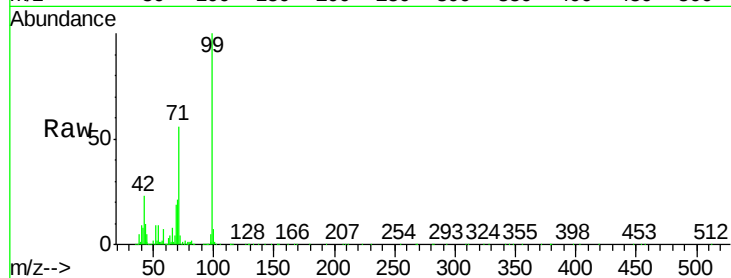
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1044251

Ion	Ratio	Lower	Upper
99	100		
42	22.8	17.8	26.6
71	56.0	41.5	62.3

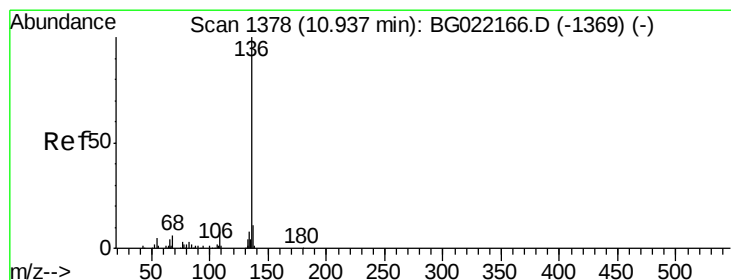
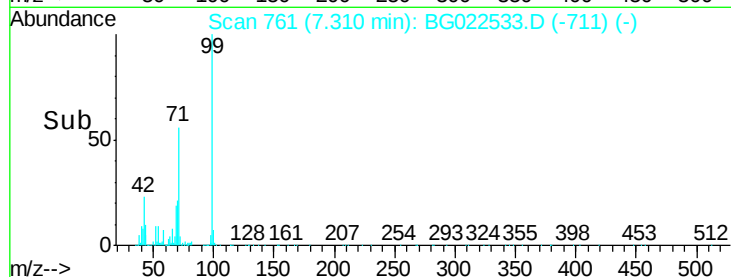
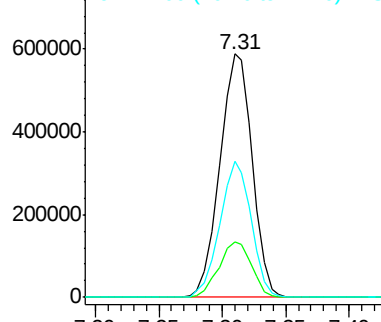


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

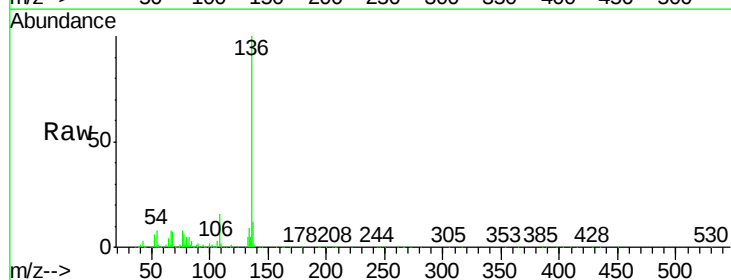
Delta R.T. -0.01 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

Tgt Ion: 136 Resp: 385964

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	7.5	7.3	10.9
68	6.7	5.3	7.9



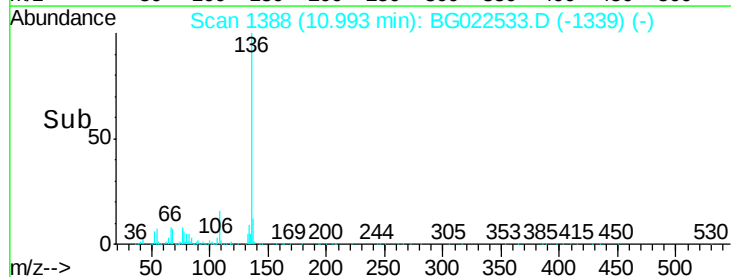
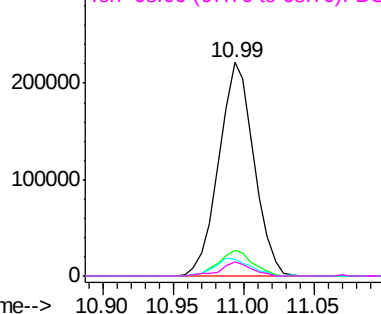
Abundance

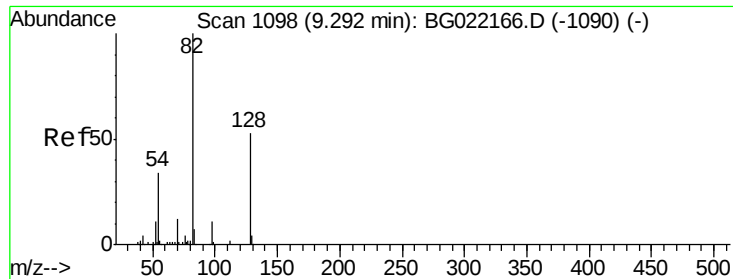
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

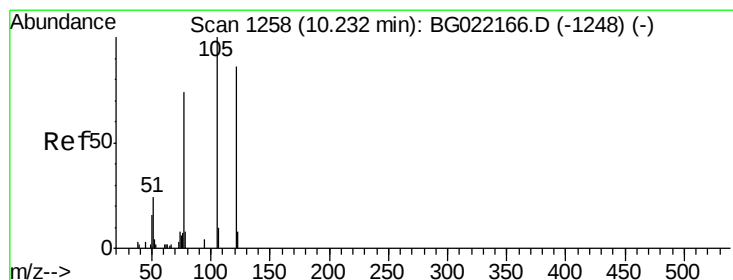
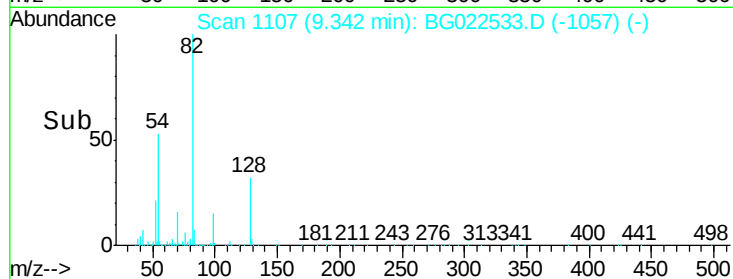
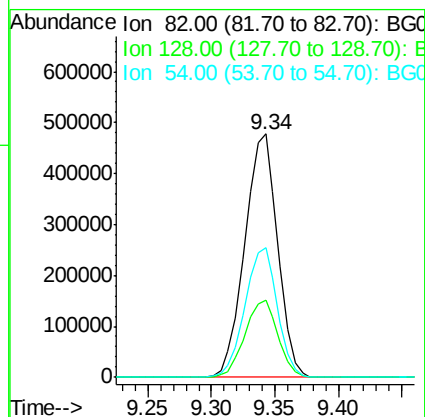
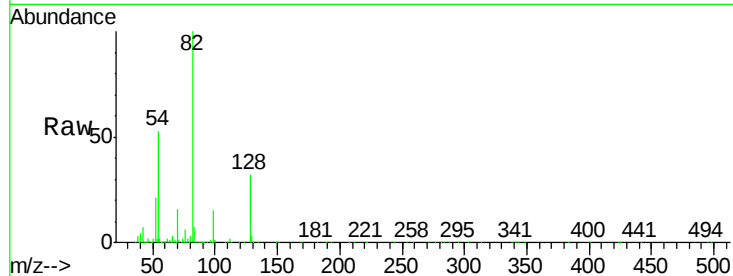




#23
 Nitrobenzene-d5
 Concen: 95.42 ng
 RT: 9.34 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BG022533.D
 Acq: 24 Jun 2016 10:21

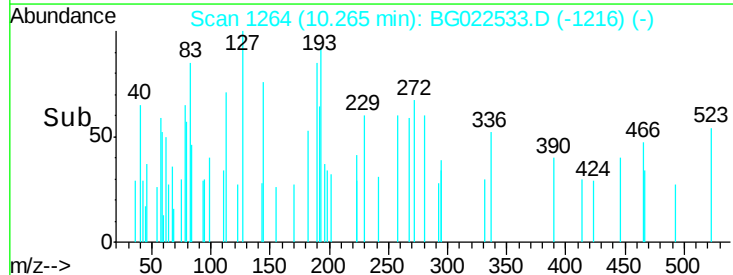
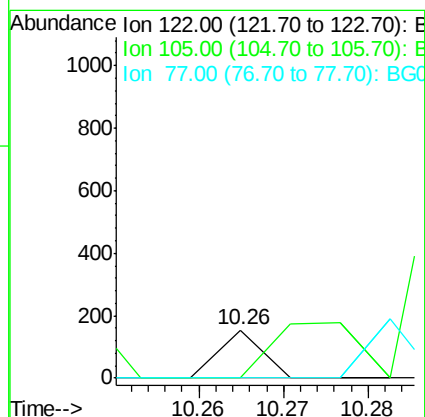
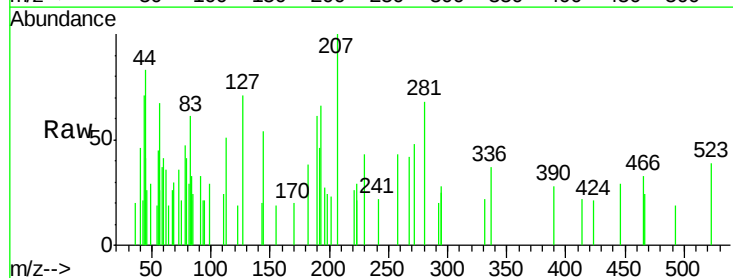
Instrument :
 BNA_G
 ClientSampleId :

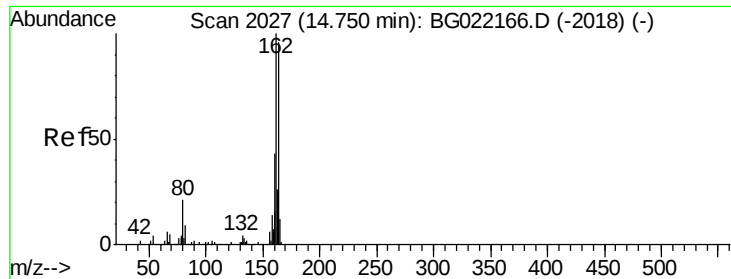
Tot Ion: 82 Resp: 860146
 Ion Ratio Lower Upper
 82 100
 128 31.8 24.4 36.6
 54 53.4 41.4 62.0



#32
 Benzoic acid
 Concen: 3.88 ng
 RT: 10.26 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BG022533.D
 Acq: 24 Jun 2016 10:21

Tgt Ion: 122 Resp: 55
 Ion Ratio Lower Upper
 122 100
 105 0.0 117.2 157.2#
 77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.02 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

Instrument :

BNA_G

ClientSampleId :

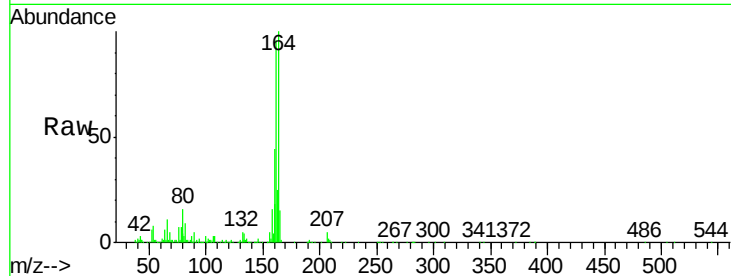
Tot Ion:164 Resp: 269918

Ion Ratio Lower Upper

164 100

162 96.2 87.7 131.5

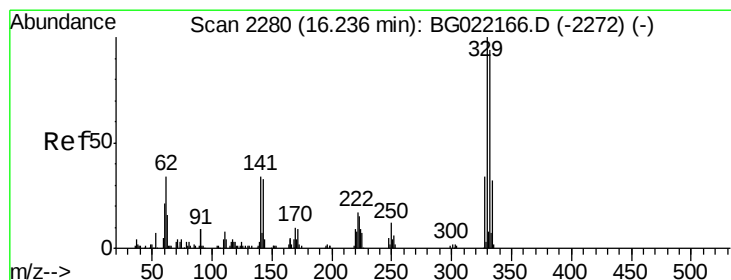
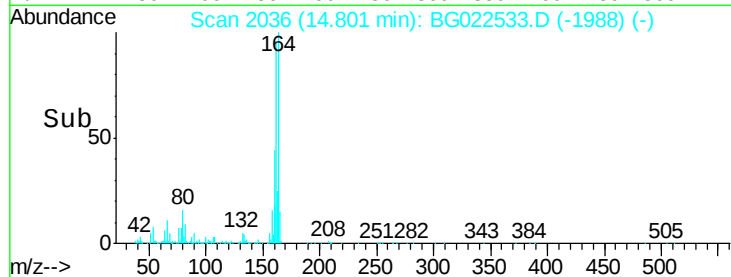
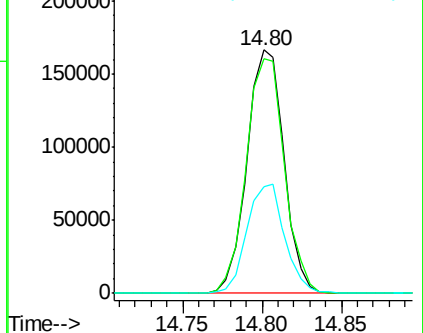
160 43.7 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 147.32 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

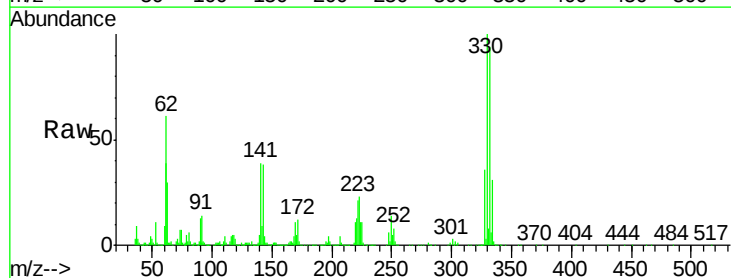
Tgt Ion:330 Resp: 617078

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

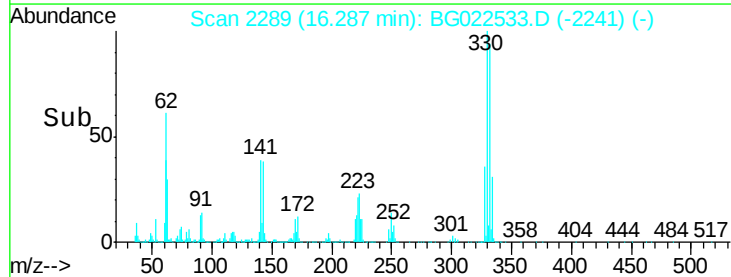
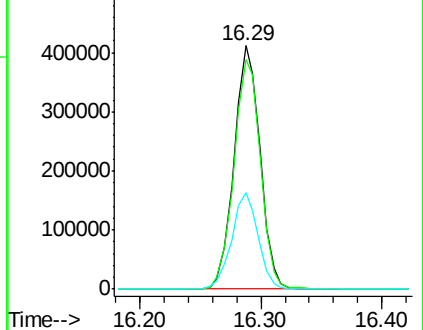
141 40.0 31.7 47.5

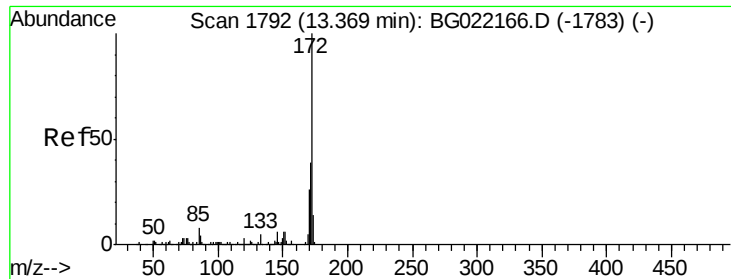


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

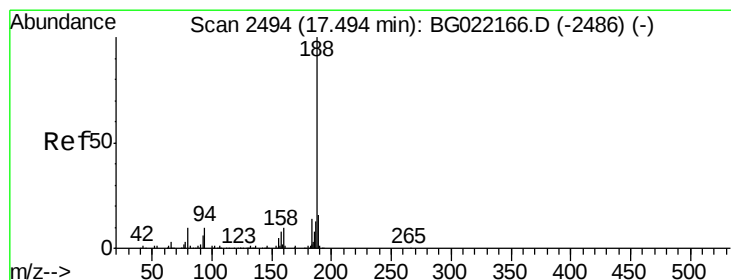
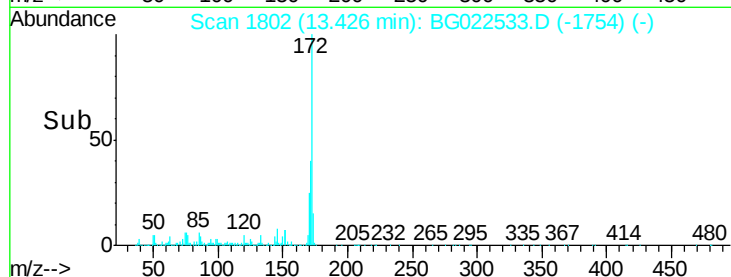
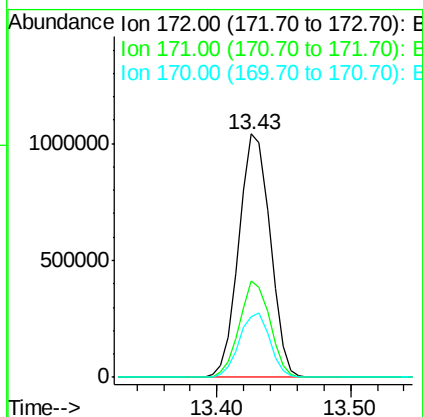
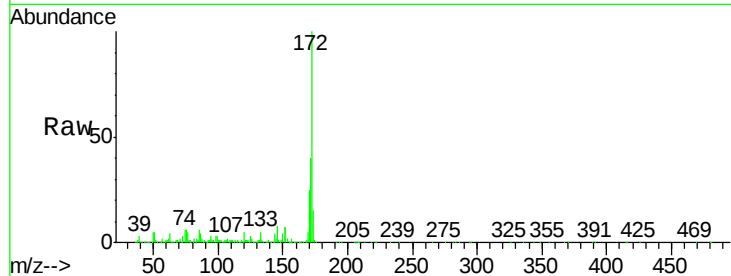




#44
 2-Fluorobiphenyl
 Concen: 95.43 ng
 RT: 13.43 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BG022533.D
 Acq: 24 Jun 2016 10:21

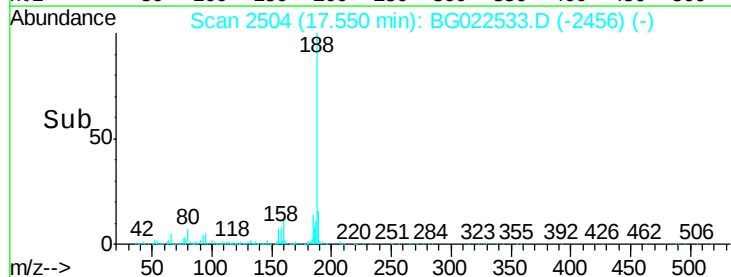
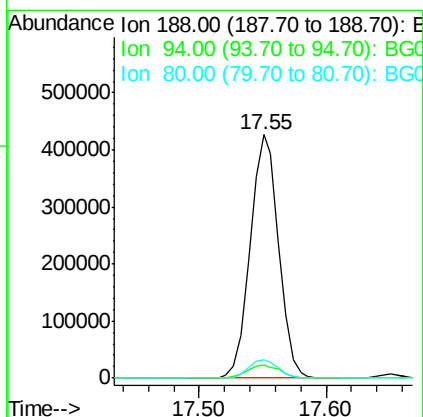
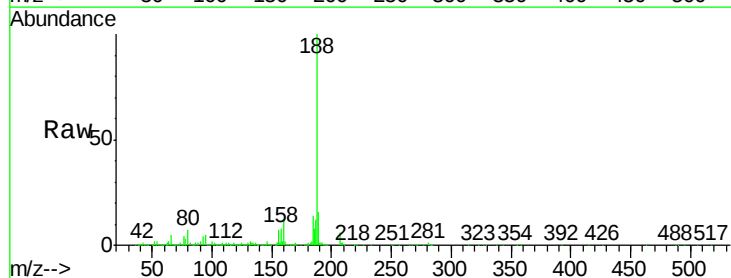
Instrument :
 BNA_G
 ClientSampleId :

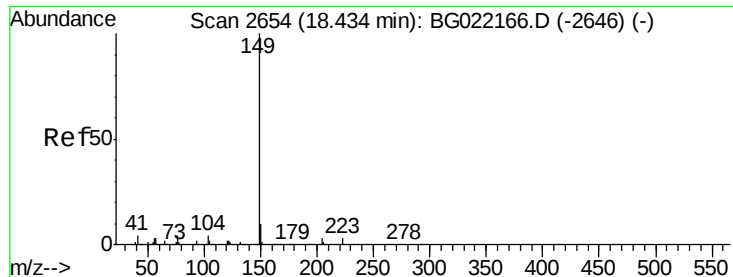
Tot Ion:172 Resp: 1687570
 Ion Ratio Lower Upper
 172 100
 171 39.8 31.6 47.4
 170 25.1 21.3 31.9



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.55 min Scan# 2504
 Delta R.T. -0.02 min
 Lab File: BG022533.D
 Acq: 24 Jun 2016 10:21

Tgt Ion:188 Resp: 661088
 Ion Ratio Lower Upper
 188 100
 94 5.4 5.2 7.8
 80 7.5 7.2 10.8





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.51 min Scan# 2667

Delta R.T. -0.02 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

Instrument :

BNA_G

ClientSampleId :

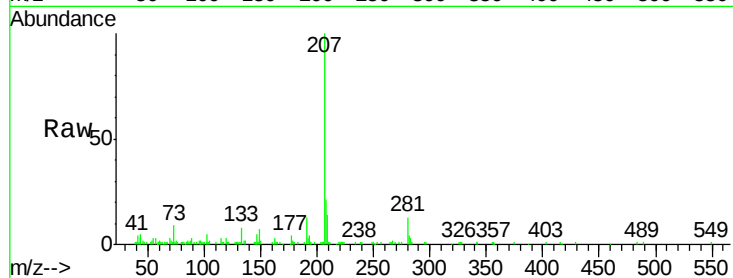
Tot Ion:149 Resp: 3304

Ion Ratio Lower Upper

149 100

150 21.5 9.1 13.7#

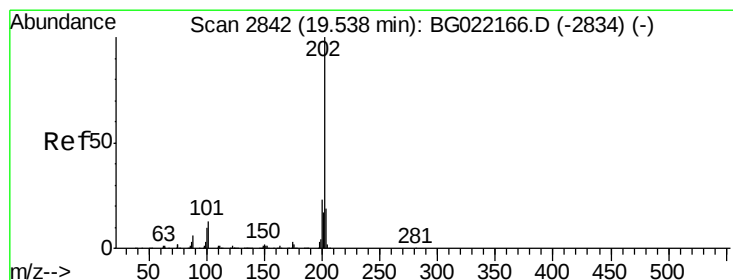
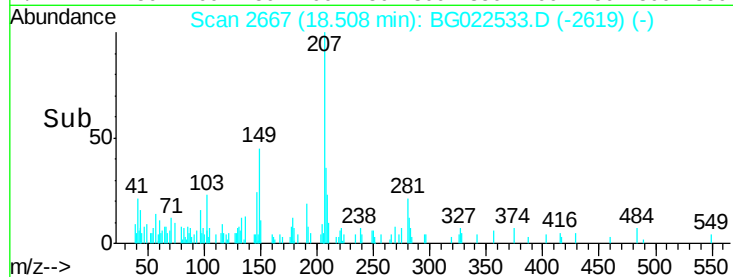
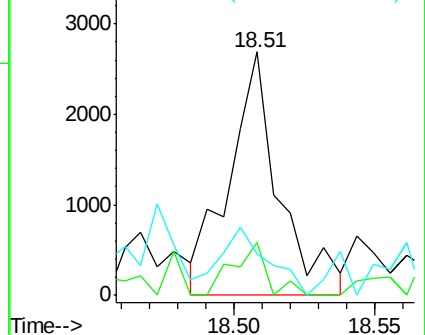
104 16.8 6.9 10.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 19.60 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

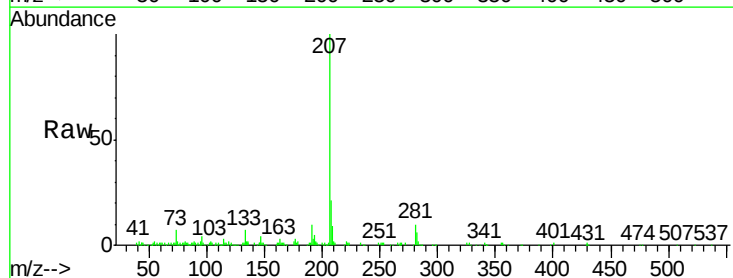
Tgt Ion:202 Resp: 1105

Ion Ratio Lower Upper

202 100

101 0.0 0.0 27.4

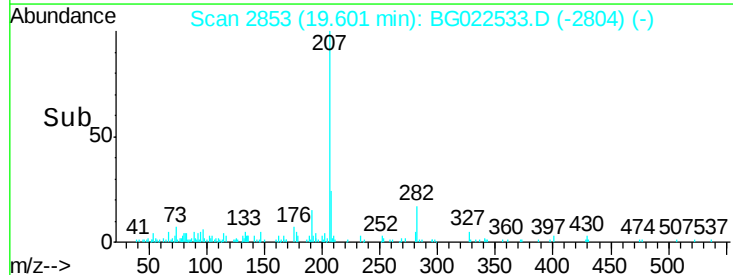
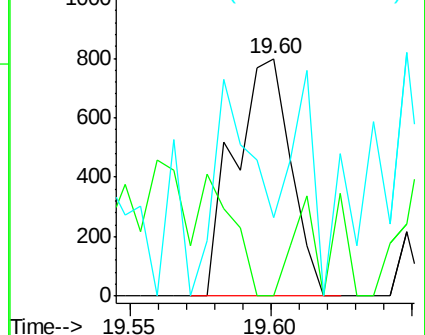
203 33.2 1.7 41.7

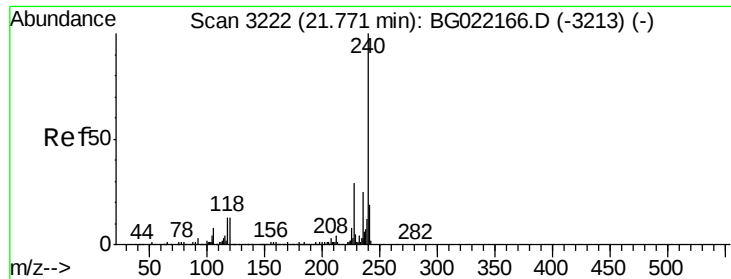


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

Instrument :

BNA_G

ClientSampleId :

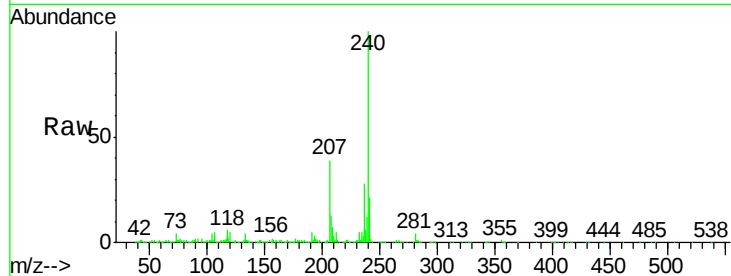
Tot Ion:240 Resp: 774980

Ion Ratio Lower Upper

240 100

120 4.6 4.1 6.1

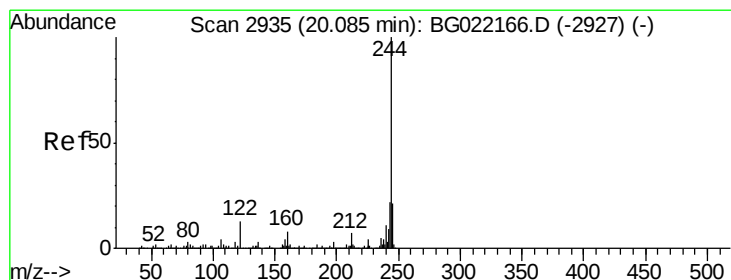
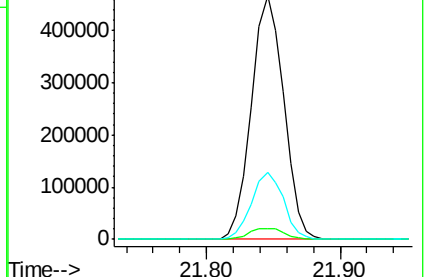
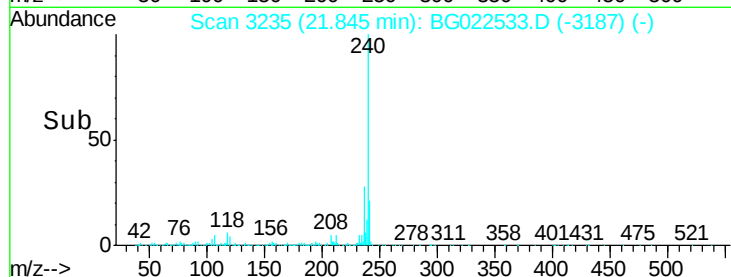
236 27.8 21.1 31.7



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: 106.24 ng

RT: 20.16 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG022533.D

Acq: 24 Jun 2016 10:21

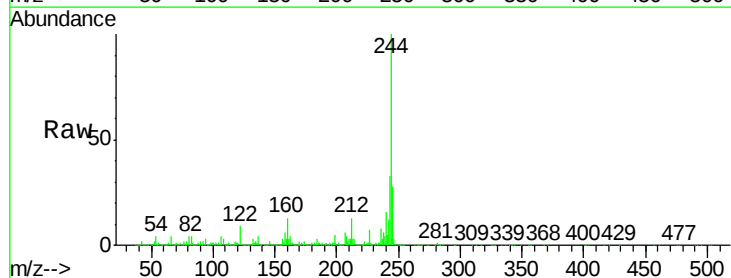
Tgt Ion:244 Resp: 2633377

Ion Ratio Lower Upper

244 100

212 13.4 10.8 16.2

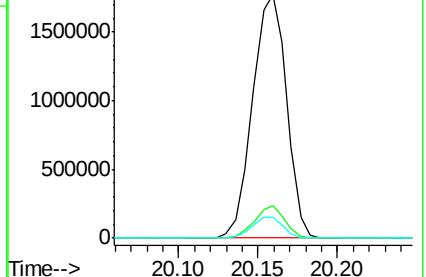
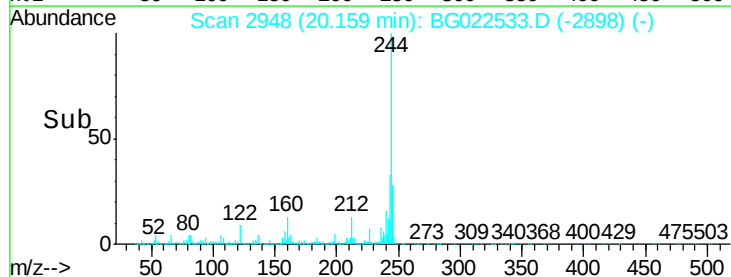
122 8.8 8.0 12.0

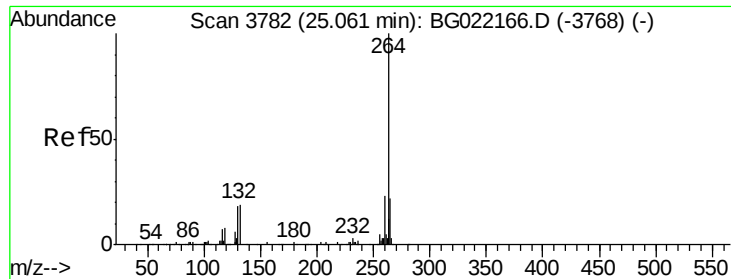


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

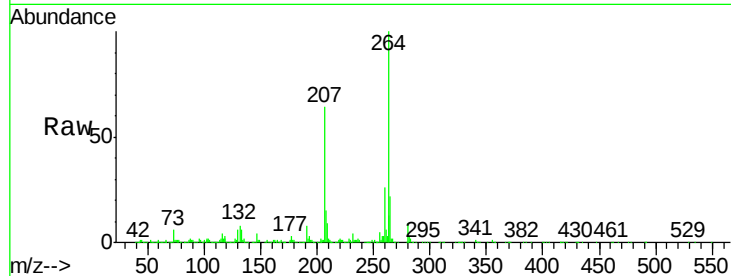




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3807
Delta R.T. -0.02 min
Lab File: BG022533.D
Acq: 24 Jun 2016 10:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.4	27.6
265	21.9	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

