

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092816\
 Data File : BG024153.D
 Acq On : 28 Sep 2016 20:09
 Operator : UM/SJ
 Sample : H4919-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-U-M

Quant Time: Sep 29 01:06:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

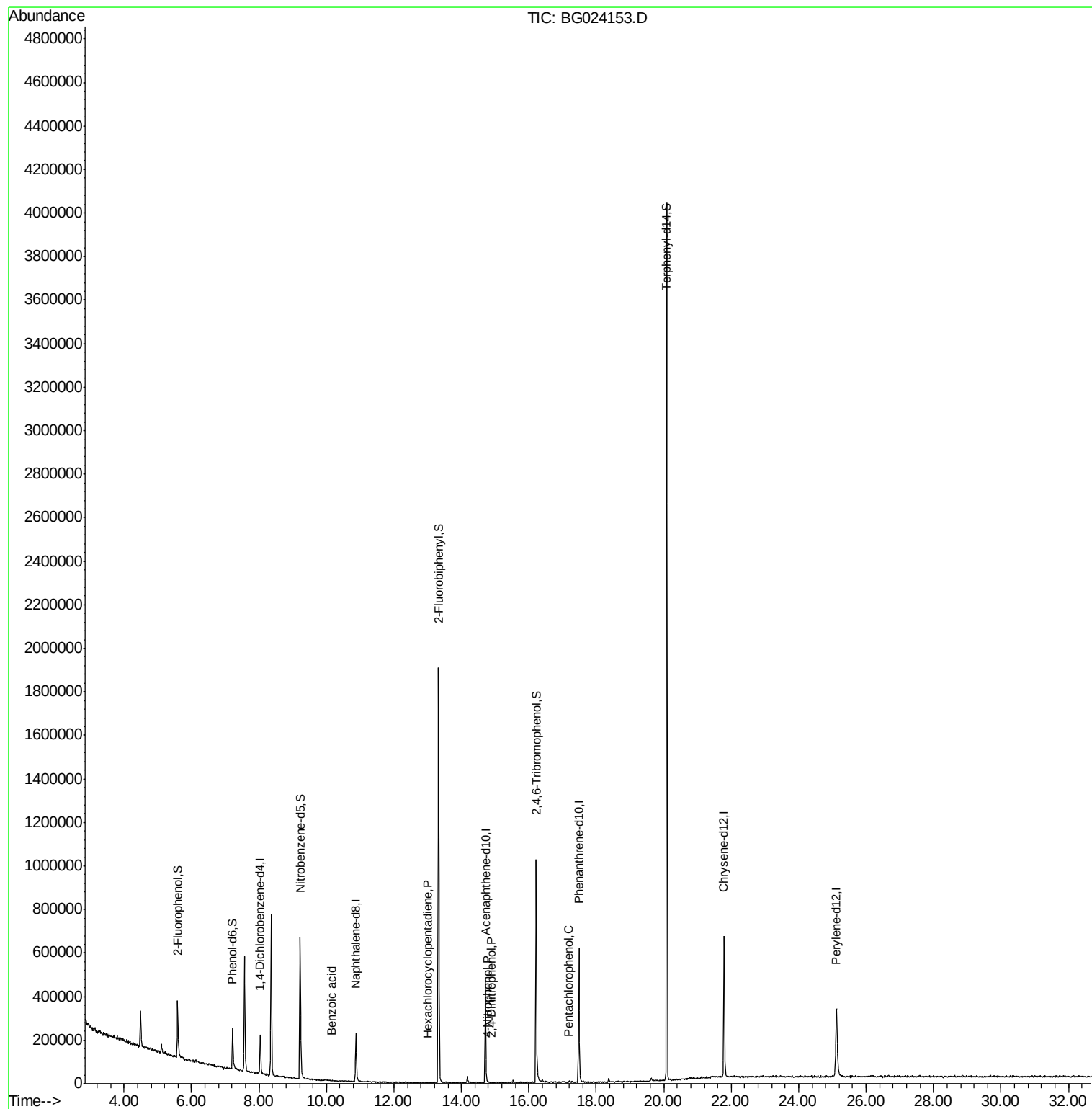
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45860	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	203165	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	168004	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	399961	20.00	ng	0.00
75) Chrysene-d12	21.79	240	438889	20.00	ng	0.00
86) Perylene-d12	25.11	264	398048	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	120857	45.66	ng	0.00
7) Phenol-d6	7.21	99	124679	27.99	ng	0.00
23) Nitrobenzene-d5	9.22	82	466421	90.48	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	196395	81.33	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	967085	96.76	ng	0.00
78) Terphenyl-d14	20.09	244	1630144	76.05	ng	0.00
Target Compounds						
32) Benzoic acid	10.16	122	87	2.19	ng	# 1
40) Hexachlorocyclopentadiene	13.01	237	59	3.62	ng	# 26
53) 2,4-Dinitrophenol	14.88	184	76	2.50	ng	# 10
55) 4-Nitrophenol	14.79	139	149	5.41	ng	# 37
69) Pentachlorophenol	17.18	266	170	3.62	ng	# 18

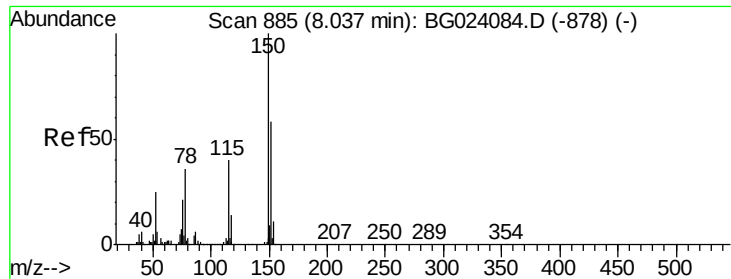
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-U-M

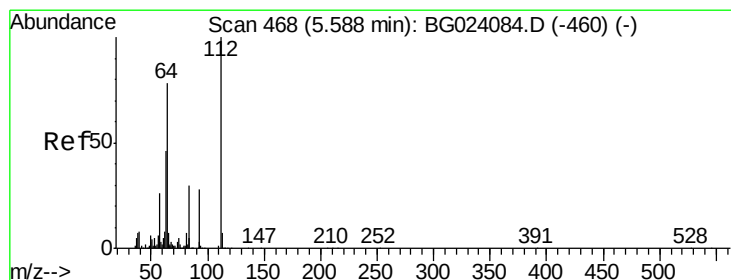
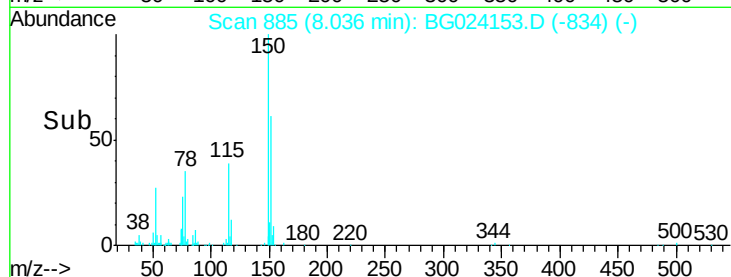
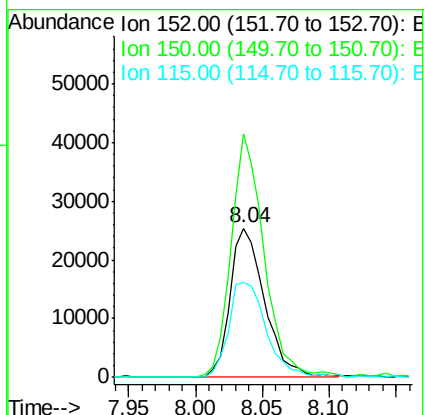
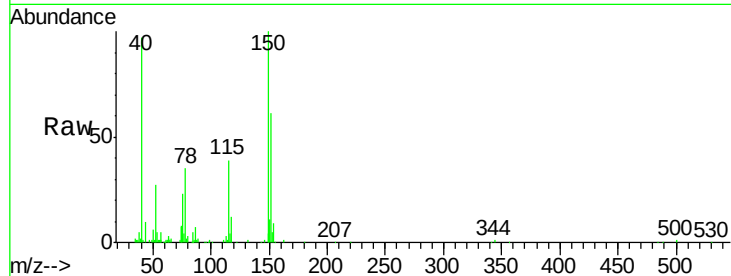
Tgt Ion:152 Resp: 45860

Ion Ratio Lower Upper

152 100

150 163.5 144.7 217.1

115 64.0 64.0 96.0



#5

2-Fluorophenol

Concen: 45.66 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

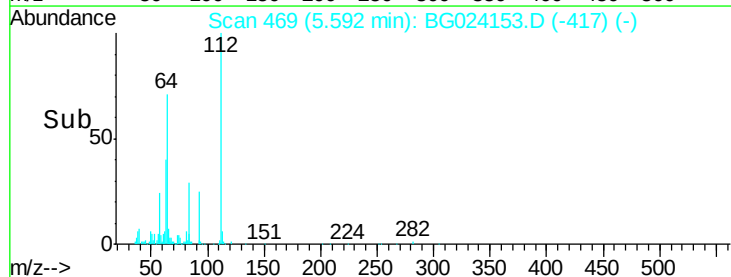
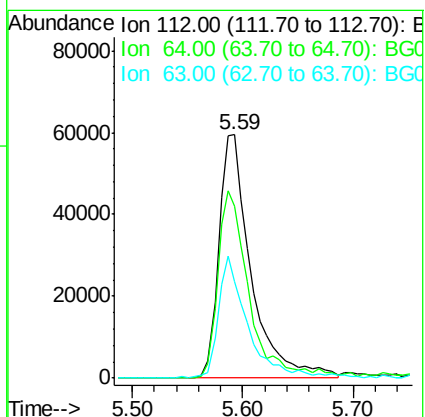
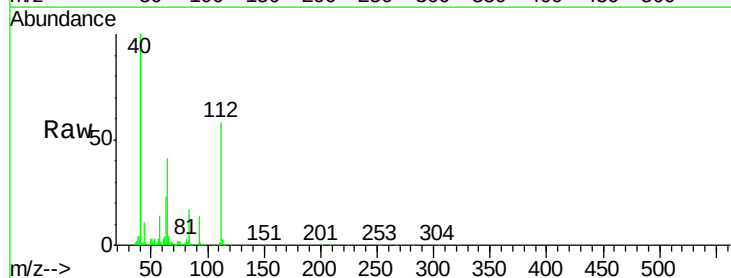
Tgt Ion:112 Resp: 120857

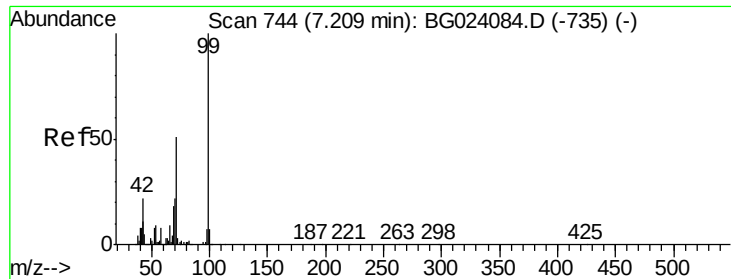
Ion Ratio Lower Upper

112 100

64 70.5 59.0 88.4

63 39.6 37.8 56.8





#7

Phenol-d6

Concen: 27.99 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.00 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-U-M

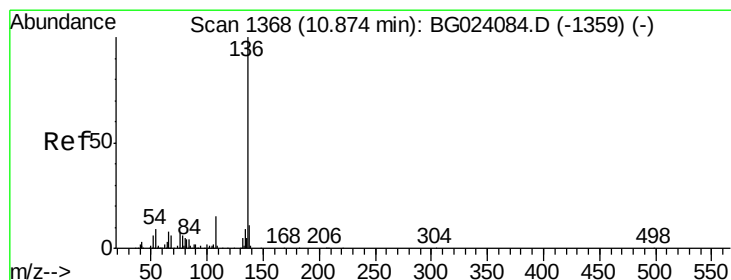
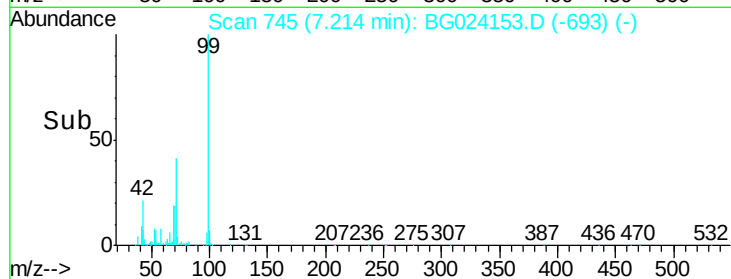
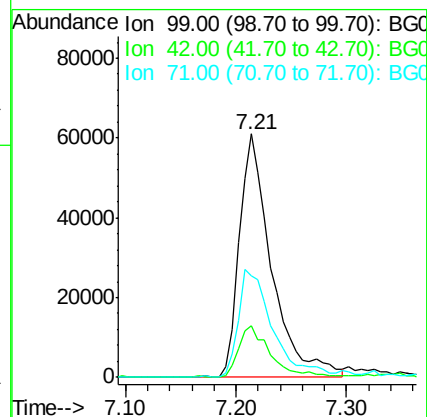
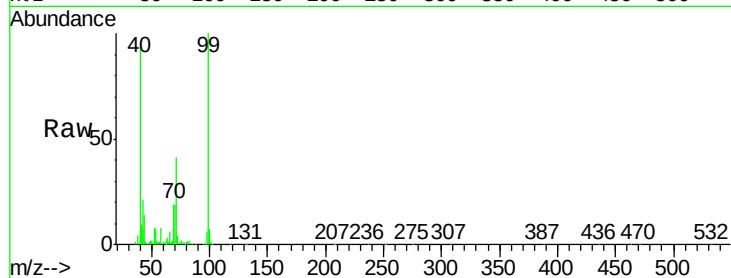
Tgt Ion: 99 Resp: 124679

Ion Ratio Lower Upper

99 100

42 21.3 17.8 26.6

71 41.5 41.5 62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

Tgt Ion: 136 Resp: 203165

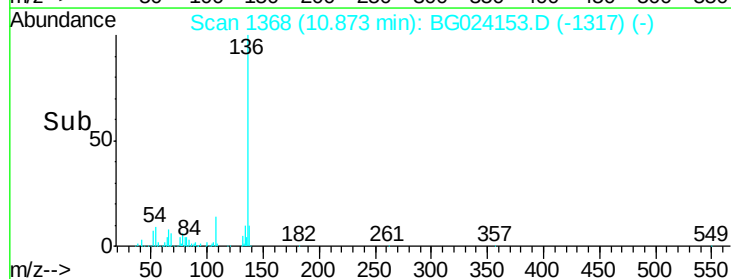
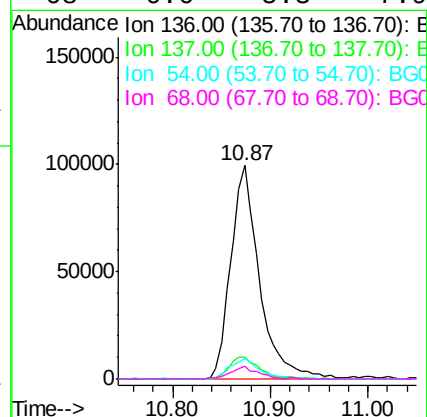
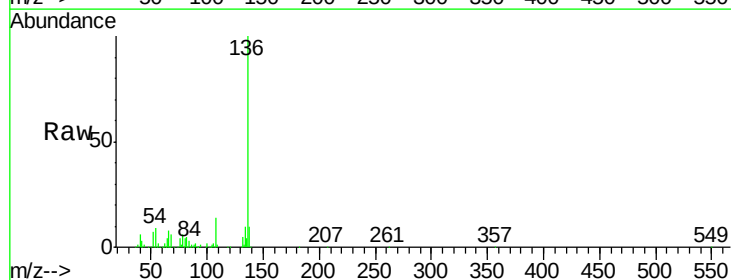
Ion Ratio Lower Upper

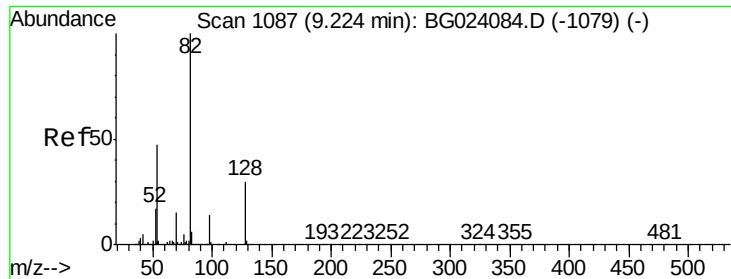
136 100

137 10.2 9.6 14.4

54 9.3 7.3 10.9

68 6.0 5.3 7.9

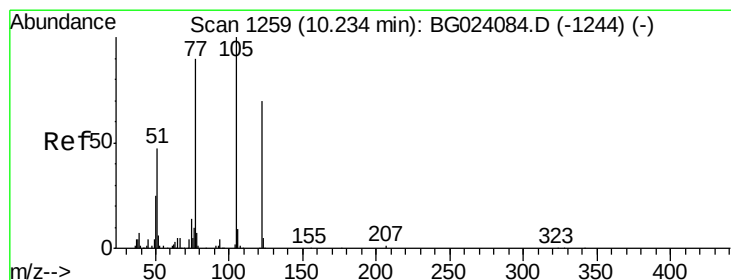
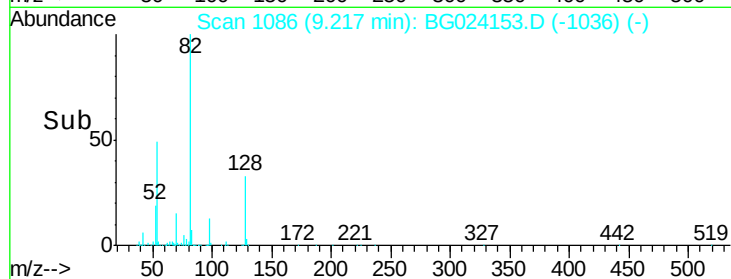
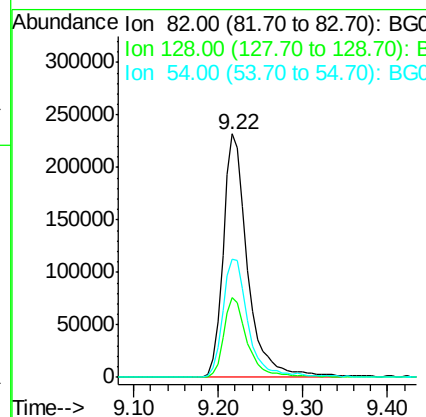
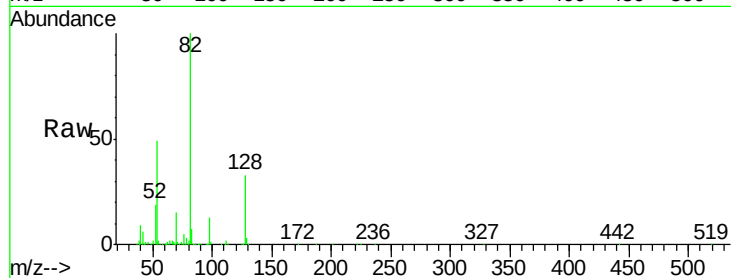




#23
 Nitrobenzene-d5
 Concen: 90.48 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

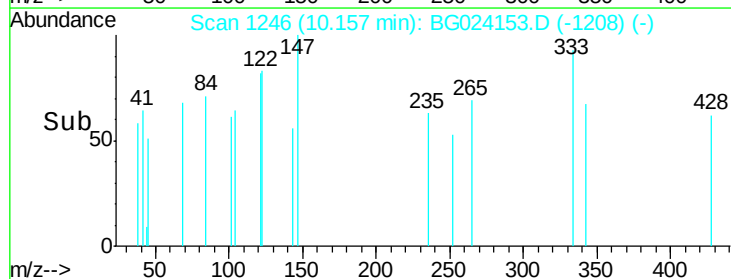
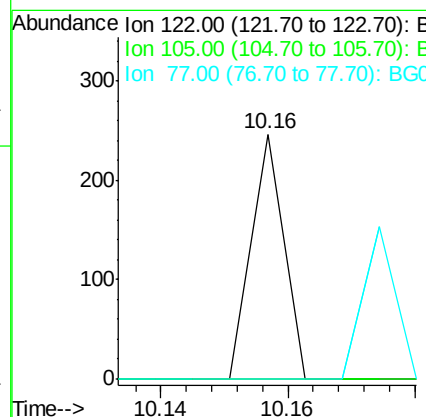
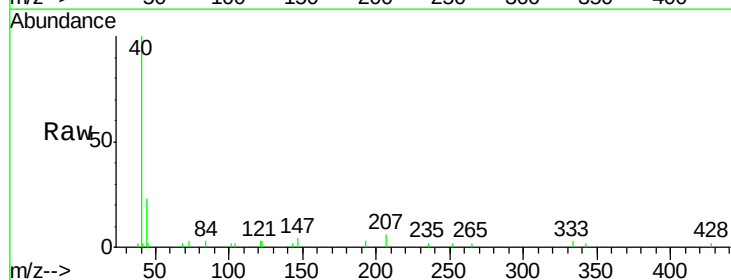
Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-U-M

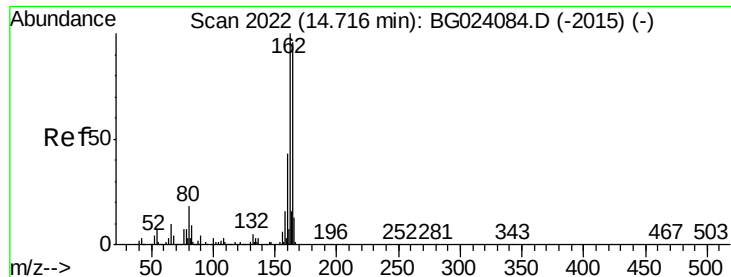
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	24.4	36.6
54	48.7	41.4	62.0



#32
 Benzoic acid
 Concen: 2.19 ng
 RT: 10.16 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

Tgt 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: 14.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

Instrument :

BNA_G

ClientSampleId :

092216-DRDC-E-U-M

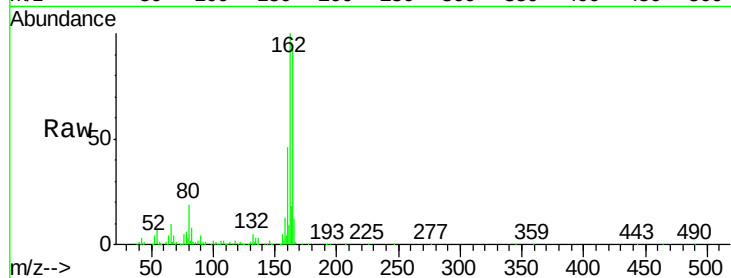
Tgt Ion:164 Resp: 168004

Ion Ratio Lower Upper

164 100

162 108.9 87.7 131.5

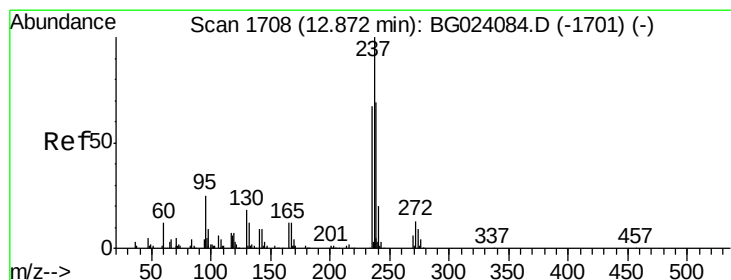
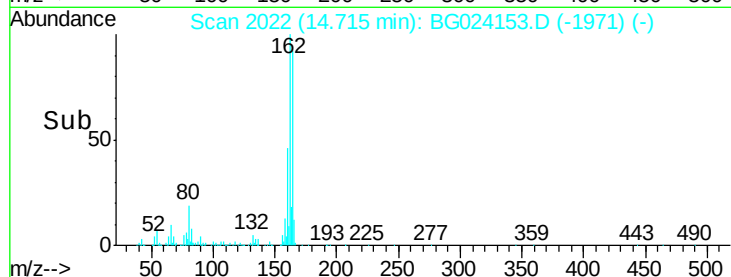
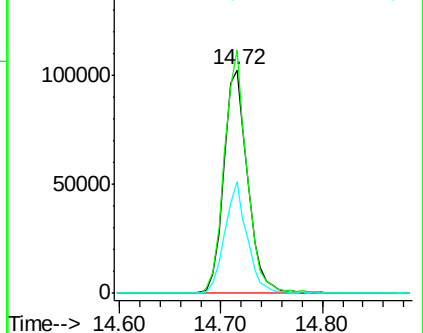
160 50.2 37.2 55.8



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: 3.62 ng

RT: 13.01 min Scan# 1731

Delta R.T. 0.13 min

Lab File: BG024153.D

Acq: 28 Sep 2016 20:09

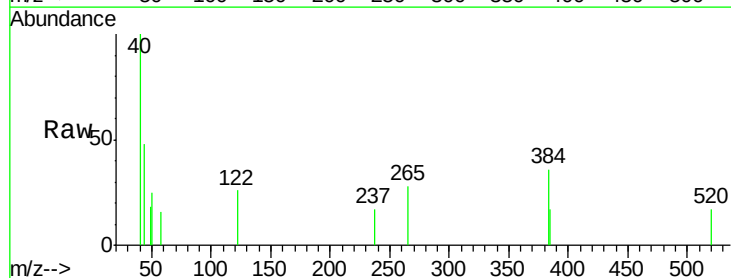
Tgt Ion:237 Resp: 59

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

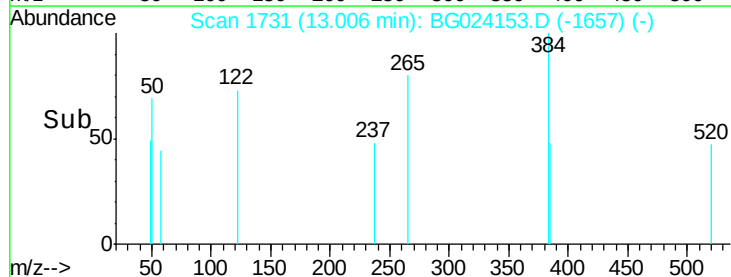
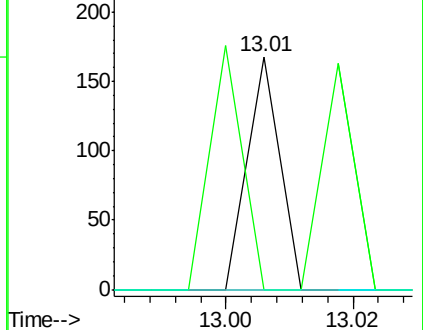
272 0.0 0.0 30.9

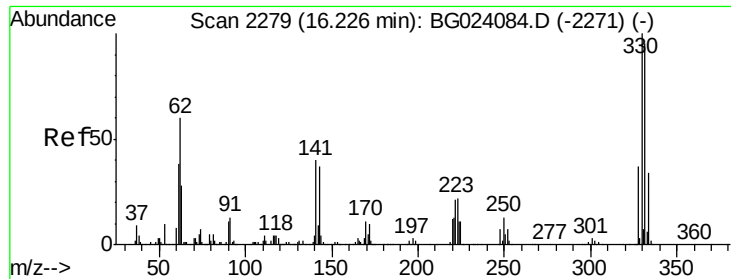


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

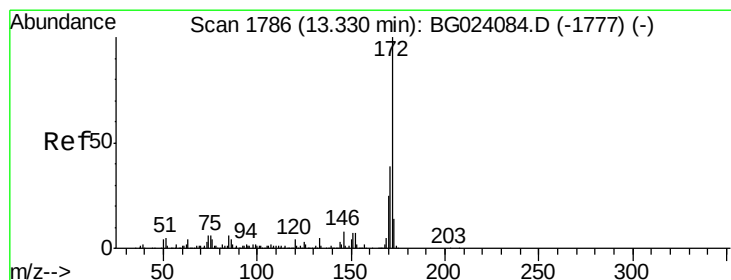
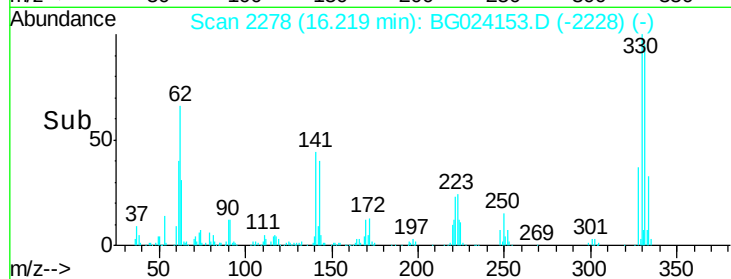
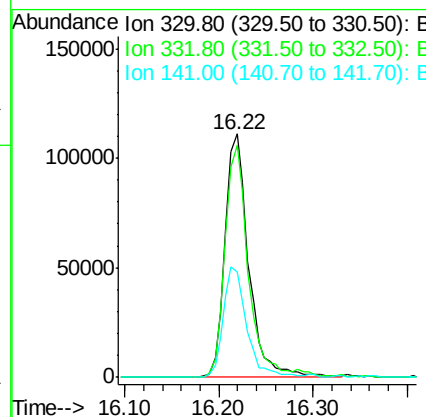
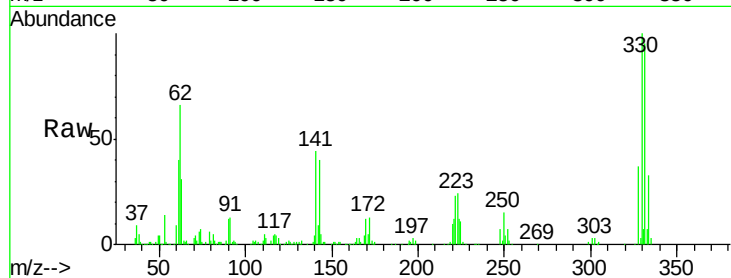




#41
 2,4,6-Tribromophenol
 Concen: 81.33 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

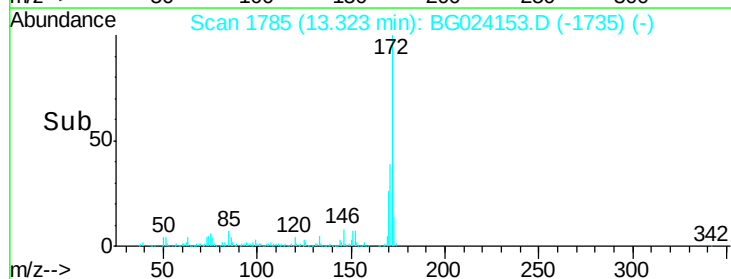
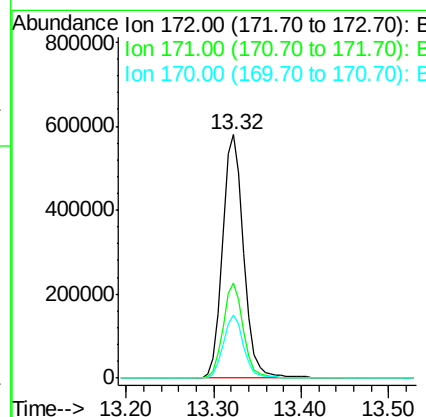
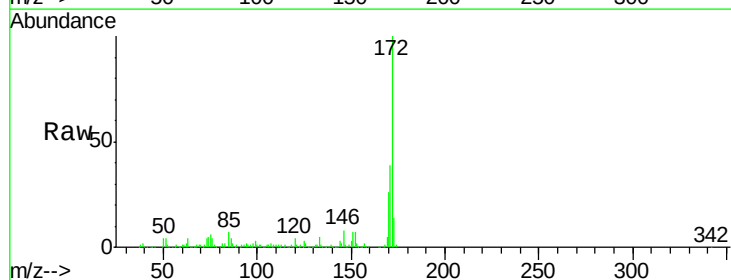
Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-U-M

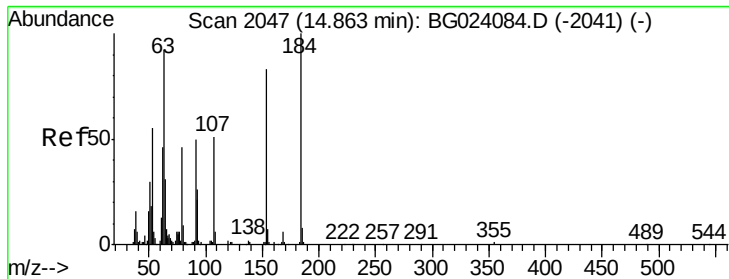
Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.4	116.2
141	44.7	31.7	47.5



#44
 2-Fluorobiphenyl
 Concen: 96.76 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.6	47.4
170	26.1	21.3	31.9

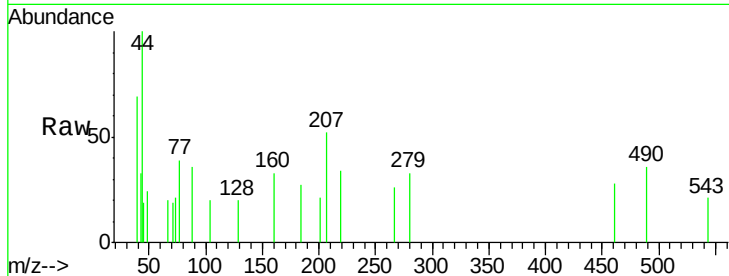




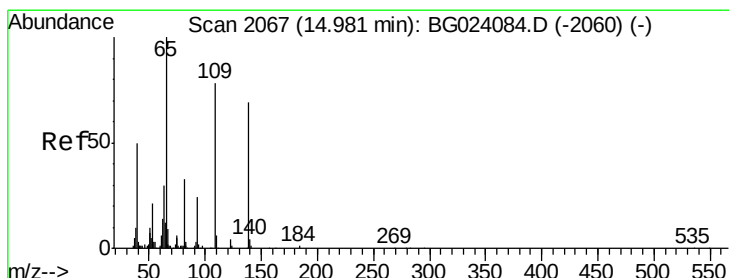
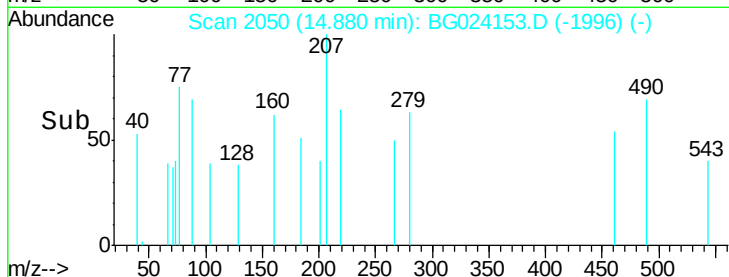
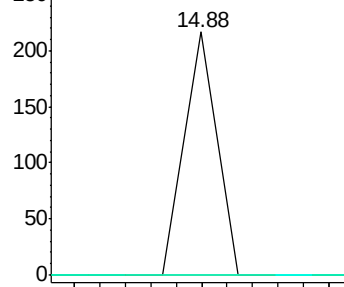
#53
 2,4-Dinitrophenol
 Concen: 2.50 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. 0.02 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-U-M

Tgt Ion:184 Resp: 76
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.6 89.4#
 154 0.0 67.4 101.0#

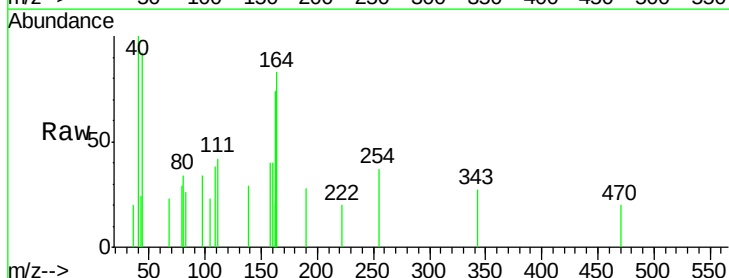


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

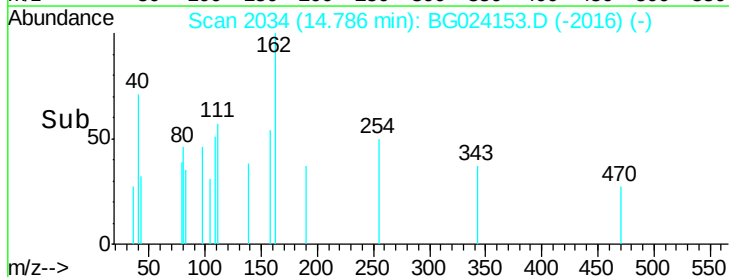
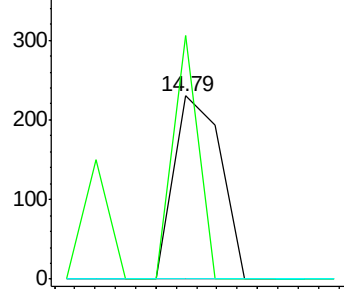


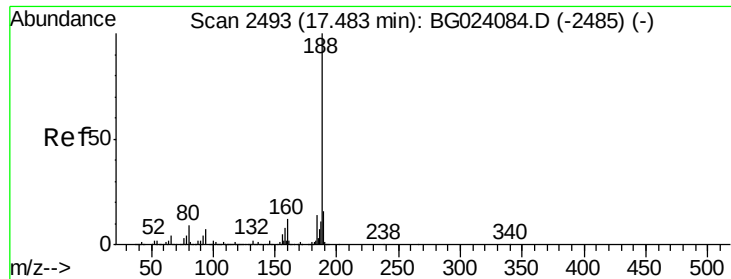
#55
 4-Nitrophenol
 Concen: 5.41 ng
 RT: 14.79 min Scan# 2034
 Delta R.T. -0.19 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

Tgt Ion:139 Resp: 149
 Ion Ratio Lower Upper
 139 100
 109 133.0 103.0 143.0
 65 0.0 112.7 152.7#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BG

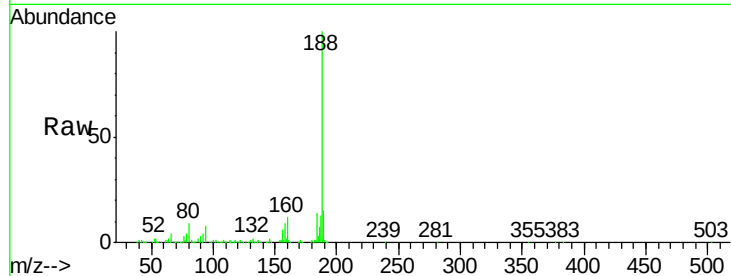




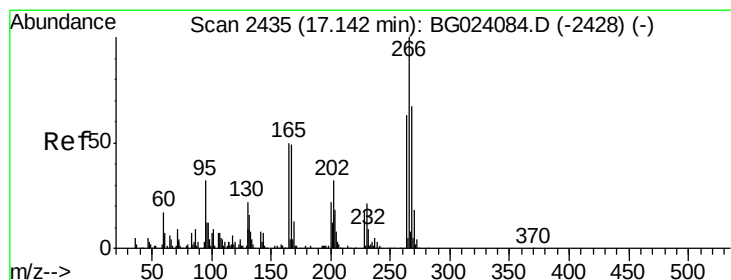
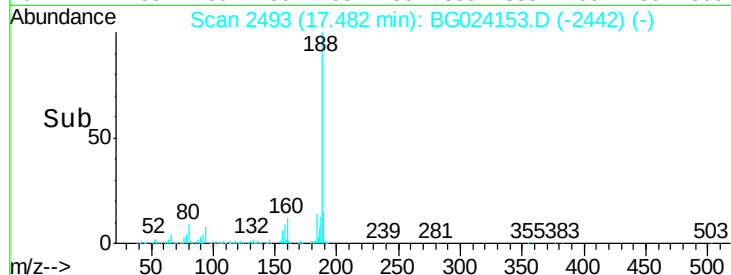
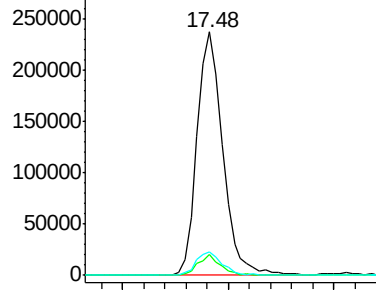
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024153.D
Acq: 28 Sep 2016 20:09

Instrument :
BNA_G
ClientSampleId :
092216-DRDC-E-U-M

Tgt Ion:188 Resp: 399961
Ion Ratio Lower Upper
188 100
94 8.4 5.2 7.8#
80 9.4 7.2 10.8

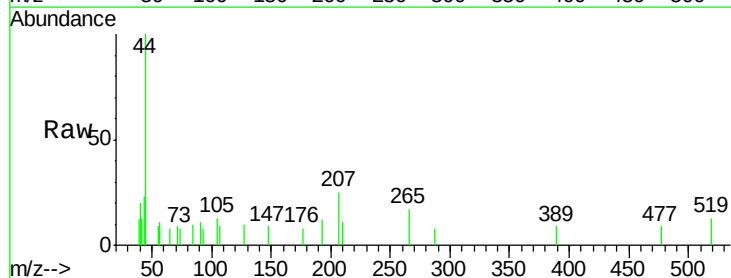


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

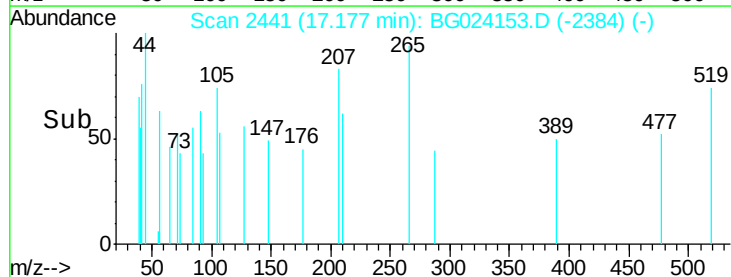
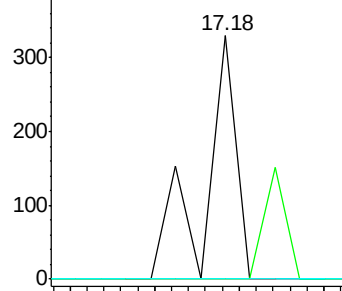


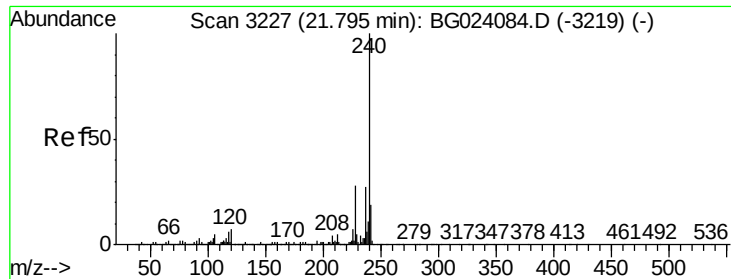
#69
Pentachlorophenol
Concen: 3.62 ng
RT: 17.18 min Scan# 2441
Delta R.T. 0.03 min
Lab File: BG024153.D
Acq: 28 Sep 2016 20:09

Tgt Ion:266 Resp: 170
Ion Ratio Lower Upper
266 100
268 0.0 51.9 77.9#
264 0.0 50.6 75.8#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

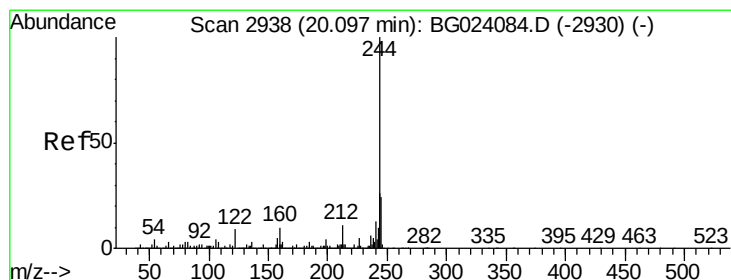
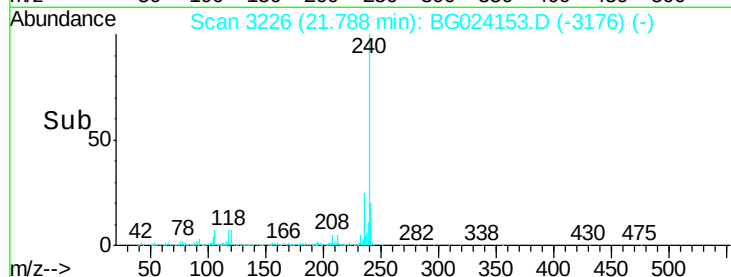
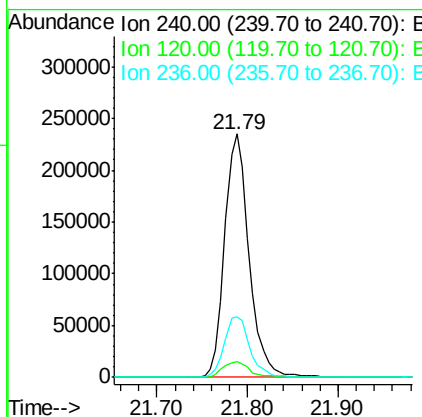
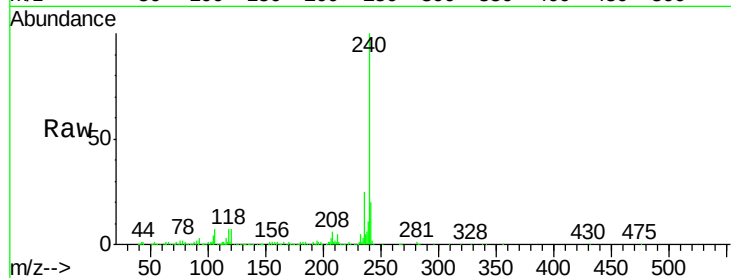




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.79 min Scan# 3226
 Delta R.T. -0.01 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

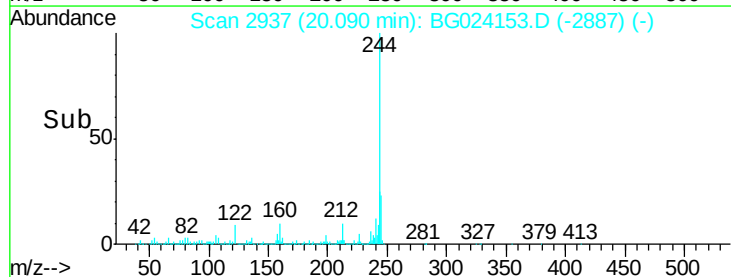
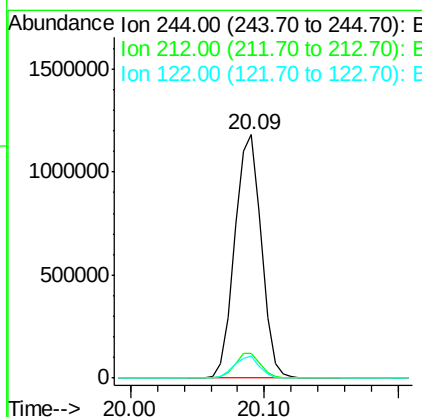
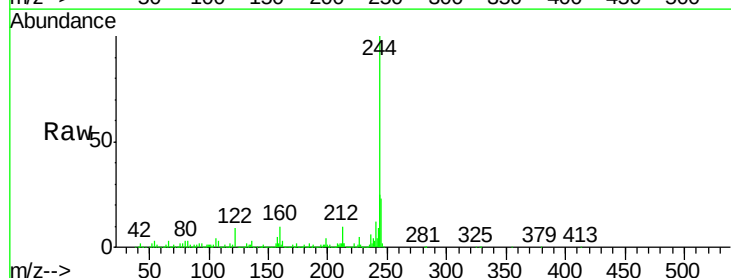
Instrument :
 BNA_G
 ClientSampleId :
 092216-DRDC-E-U-M

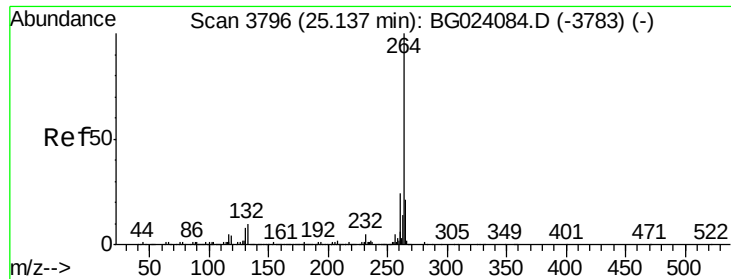
Tgt Ion:240 Resp: 438889
 Ion Ratio Lower Upper
 240 100
 120 6.7 4.1 6.1#
 236 25.0 21.1 31.7



#78
 Terphenyl-d14
 Concen: 76.05 ng
 RT: 20.09 min Scan# 2937
 Delta R.T. -0.01 min
 Lab File: BG024153.D
 Acq: 28 Sep 2016 20:09

Tgt Ion:244 Resp: 1630144
 Ion Ratio Lower Upper
 244 100
 212 10.3 10.8 16.2#
 122 9.0 8.0 12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.11 min Scan# 3792
Delta R.T. -0.02 min
Lab File: BG024153.D
Acq: 28 Sep 2016 20:09

Instrument :
BNA_G
ClientSampleId :
092216-DRDC-E-U-M

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.4	27.6
265	19.7	18.9	28.3

