

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
 Data File : BG021171.D
 Acq On : 1 Mar 2016 1:28
 Operator : UM/SJ
 Sample : H1521-09DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)DL

Quant Time: Mar 01 03:05:05 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	9932	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	55177	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	34007	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	75604	20.00	ng	0.00
75) Chrysene-d12	21.75	240	75983	20.00	ng	-0.01
86) Perylene-d12	25.02	264	69075	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	3659	5.86	ng	0.00
7) Phenol-d6	7.29	99	6314	6.15	ng	0.00
23) Nitrobenzene-d5	9.31	82	4622	3.54	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	1619	4.58	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	7896	3.30	ng	-0.01
78) Terphenyl-d14	20.08	244	9645	3.08	ng	-0.01

Target Compounds

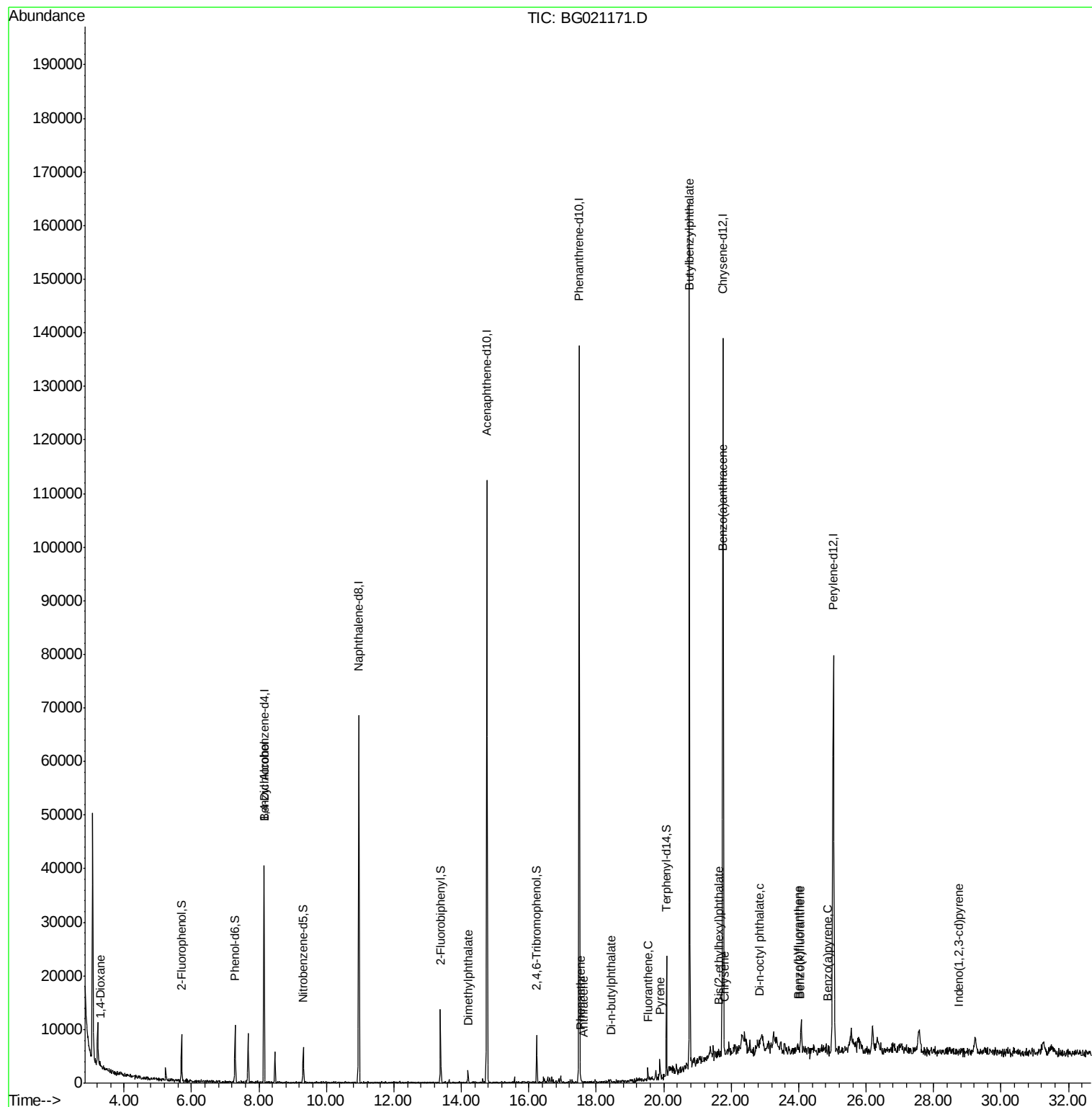
						Qvalue
2) 1,4-Dioxane	3.31	88	53	0.19	ng	# 24
15) Benzyl Alcohol	8.15	79	320	0.34	ng	# 34
49) Dimethylphthalate	14.20	163	1811	0.60	ng	# 93
70) Phenanthrene	17.53	178	1312	0.32	ng	# 96
71) Anthracene	17.62	178	201	0.05	ng	# 60
73) Di-n-butylphthalate	18.43	149	337	0.06	ng	# 78
74) Fluoranthene	19.53	202	2015	0.42	ng	# 87
77) Pyrene	19.89	202	1690	0.37	ng	# 96
79) Butylbenzylphthalate	20.77	149	45269	19.57	ng	# 89
80) Benzo(a)anthracene	21.74	228	1198	0.27	ng	# 51
82) Chrysene	21.80	228	740	0.17	ng	# 78
83) Bis(2-ethylhexyl)phthalate	21.63	149	179	0.05	ng	# 57
84) Di-n-octyl phthalate	22.84	149	175	0.03	ng	# 1
85) Indeno(1,2,3-cd)pyrene	28.74	276	57	0.01	ng	# 100
87) Benzo(b)fluoranthene	23.98	252	775	0.18	ng	# 58
88) Benzo(k)fluoranthene	24.04	252	326	0.07	ng	# 61
89) Benzo(a)pyrene	24.87	252	488	0.12	ng	# 62

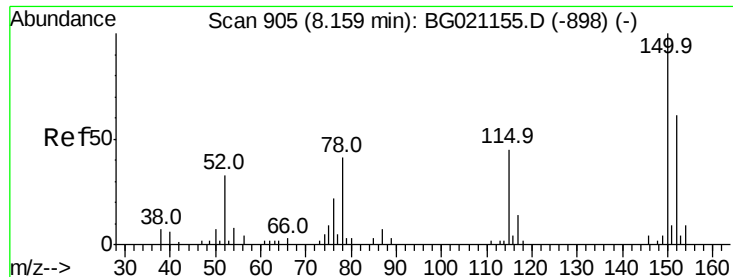
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 903

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

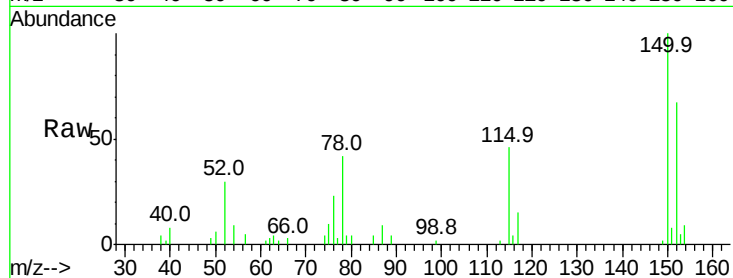
Tot Ion:152 Resp: 9932

Ion Ratio Lower Upper

152 100

150 150.3 123.4 185.2

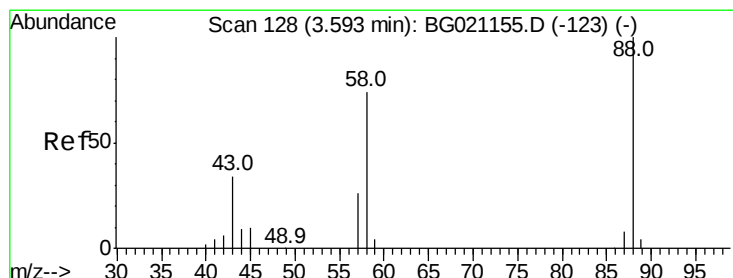
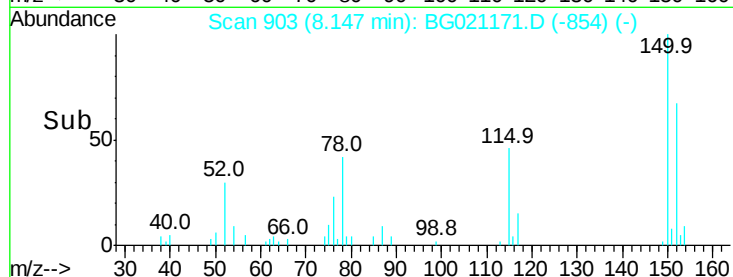
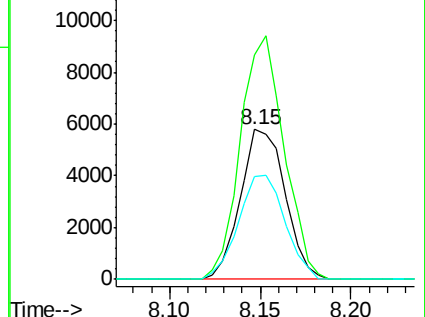
115 68.9 43.3 64.9#



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



#2

1,4-Dioxane

Concen: 0.19 ng

RT: 3.31 min Scan# 79

Delta R.T. -0.29 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

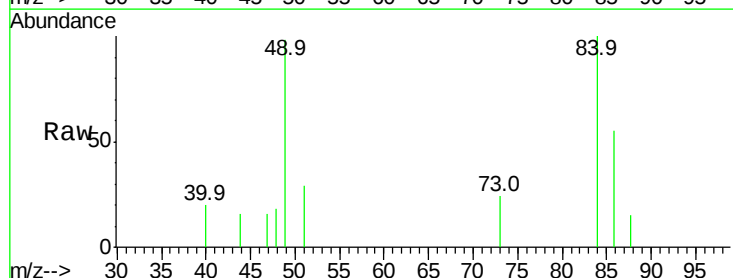
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 0.0 55.9 83.9#

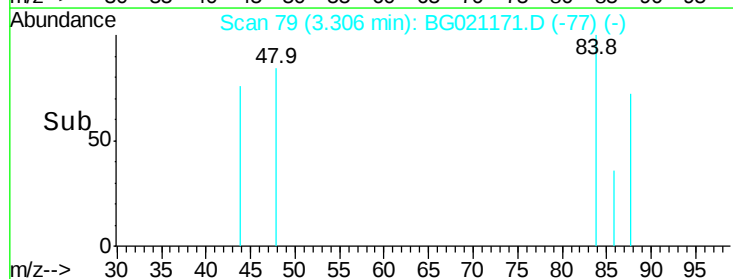
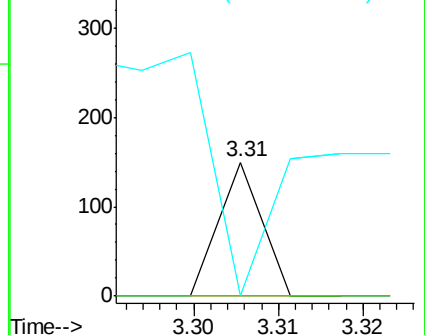
43 0.0 22.5 33.7#

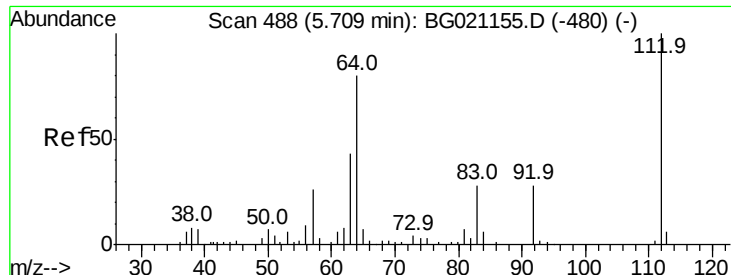


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

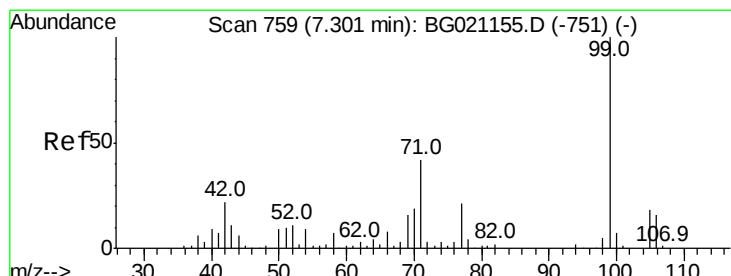
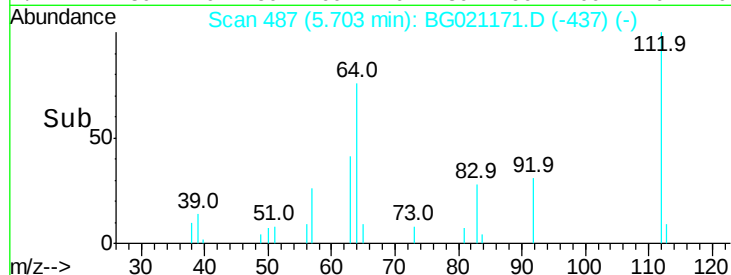
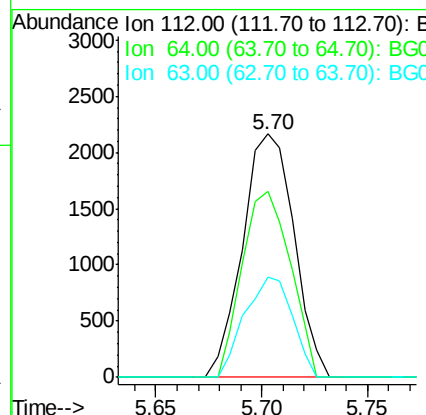
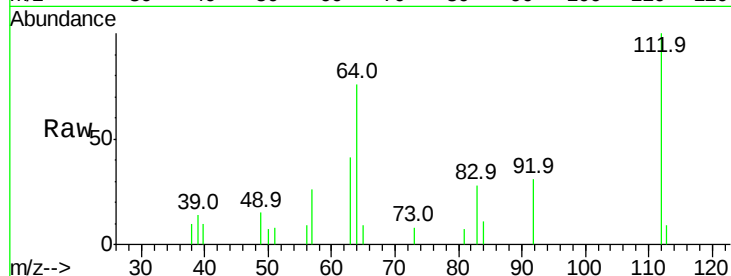




#5
 2-Fluorophenol
 Concen: 5.86 ng
 RT: 5.70 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

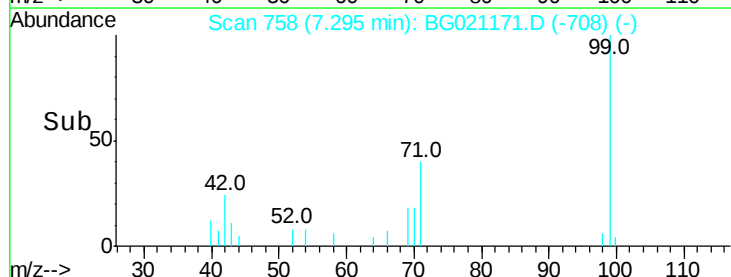
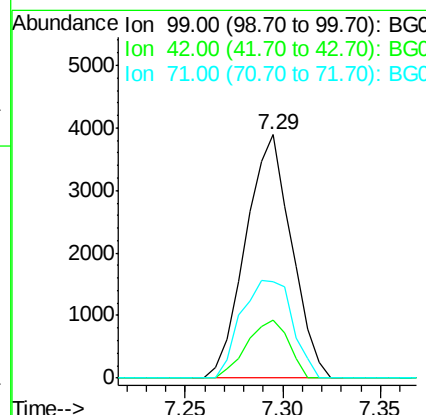
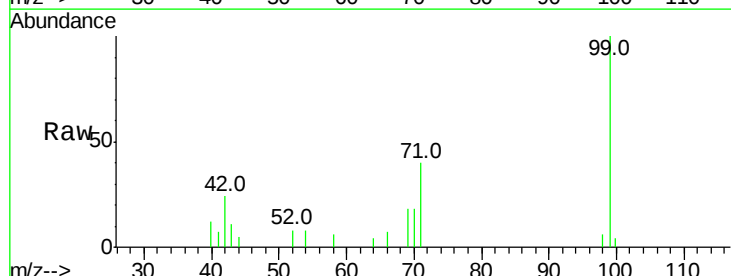
Instrument :
 BNA_G
 ClientSampleID :
 SP-3(0-2)DL

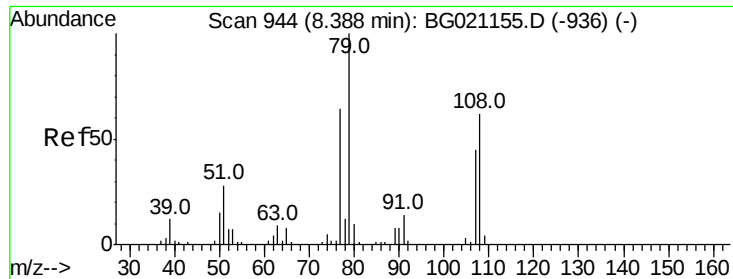
Tot Ion: 112 Resp: 3659
 Ion Ratio Lower Upper
 112 100
 64 76.4 42.6 63.8#
 63 41.4 21.7 32.5#



#7
 Phenol-d6
 Concen: 6.15 ng
 RT: 7.29 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Tgt Ion: 99 Resp: 6314
 Ion Ratio Lower Upper
 99 100
 42 23.6 13.2 19.8#
 71 39.7 25.2 37.8#





#15

Benzyl Alcohol

Concen: 0.34 ng

RT: 8.15 min Scan# 903

Delta R.T. -0.24 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampled :

SP-3(0-2)DL

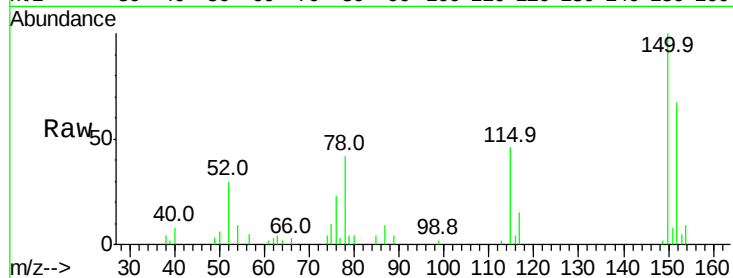
Tot Ion: 79 Resp: 320

Ion Ratio Lower Upper

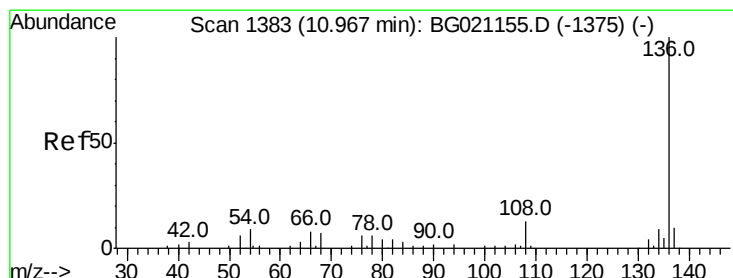
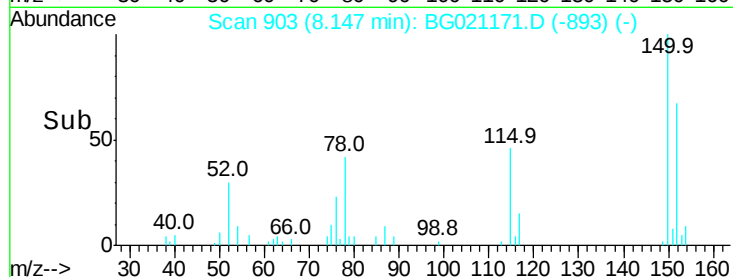
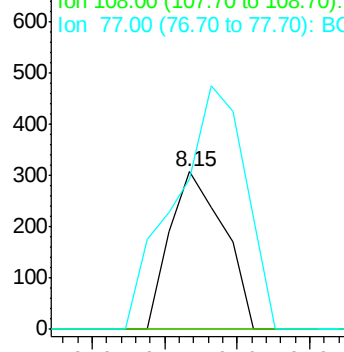
79 100

108 0.0 65.1 97.7#

77 95.5 53.8 80.8#



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: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Tgt Ion: 136 Resp: 55177

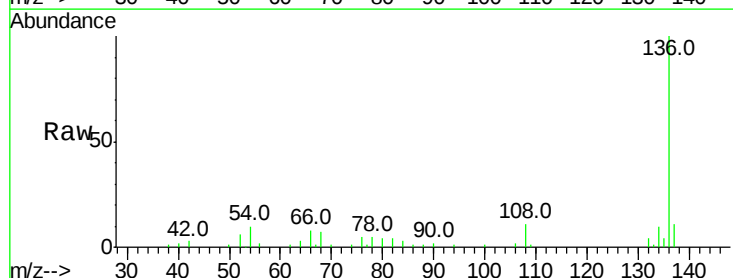
Ion Ratio Lower Upper

136 100

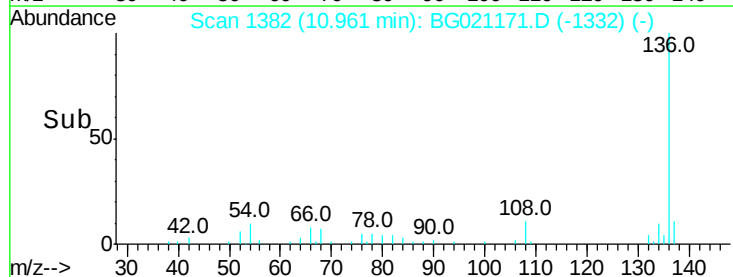
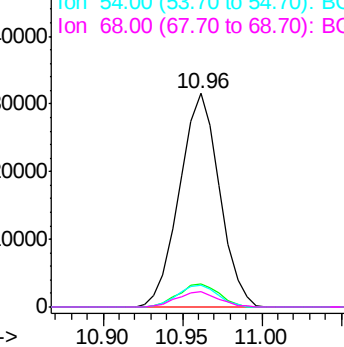
137 10.8 8.8 13.2

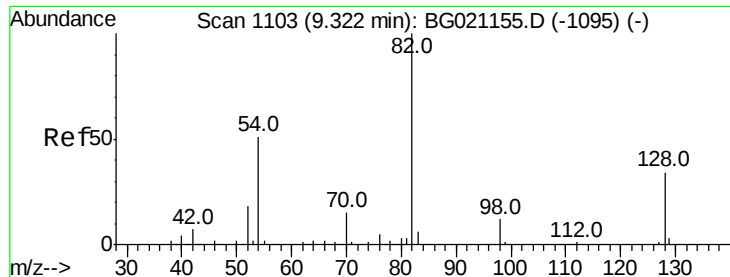
54 9.9 6.9 10.3

68 7.2 5.8 8.6



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

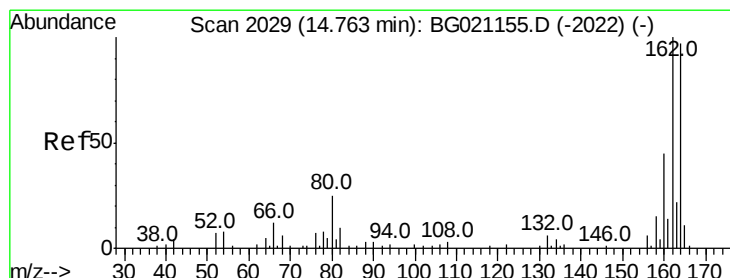
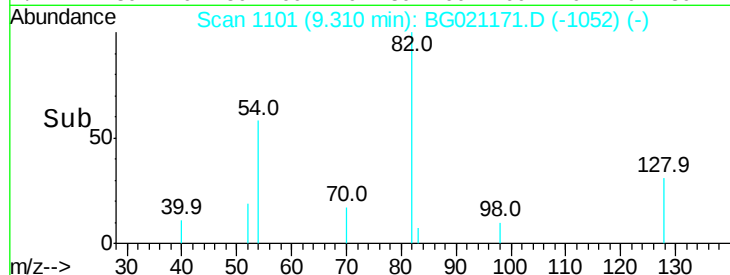
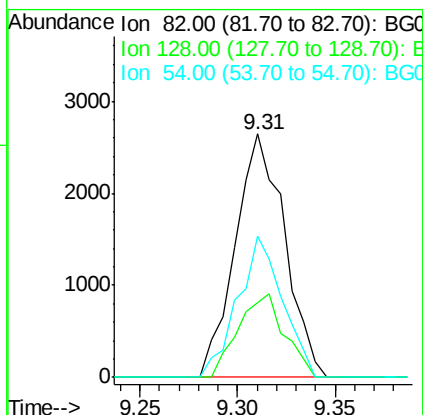
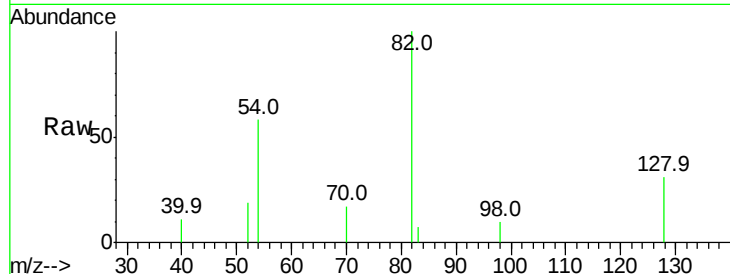




#23
 Nitrobenzene-d5
 Concen: 3.54 ng
 RT: 9.31 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

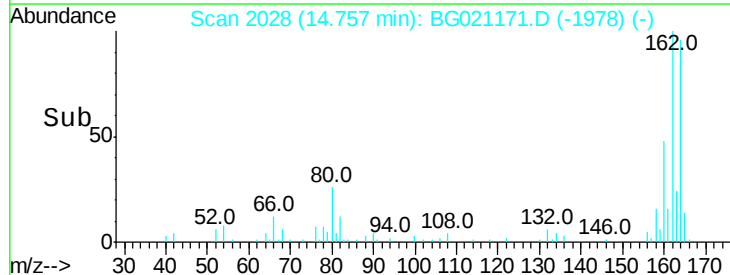
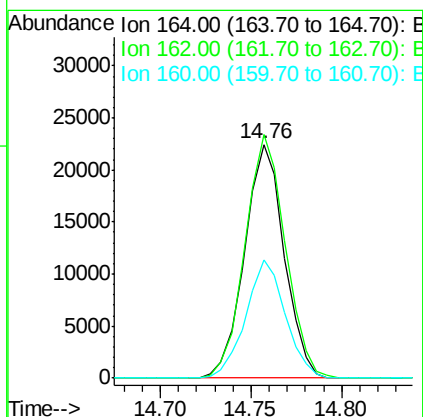
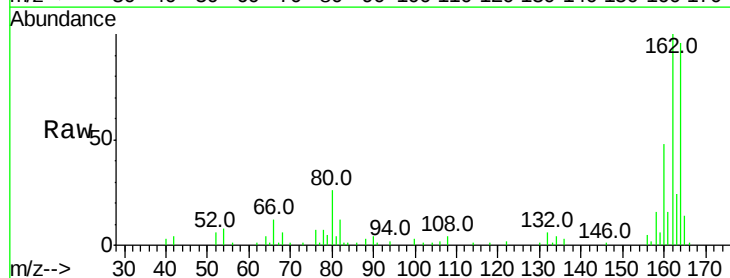
Instrument :
 BNA_G
 ClientSampleID :
 SP-3(0-2)DL

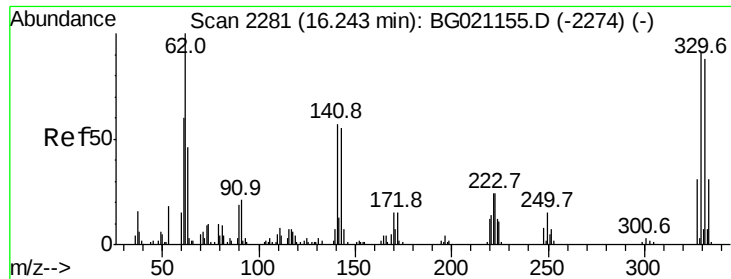
Tot Ion: 82 Resp: 4622
 Ion Ratio Lower Upper
 82 100
 128 30.5 36.3 54.5#
 54 58.0 37.6 56.4#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Tgt Ion:164 Resp: 34007
 Ion Ratio Lower Upper
 164 100
 162 104.1 80.6 120.8
 160 50.3 36.5 54.7

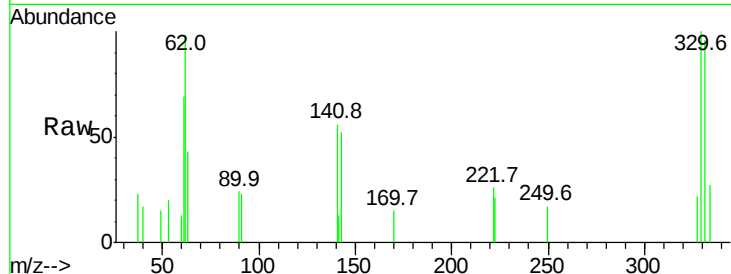




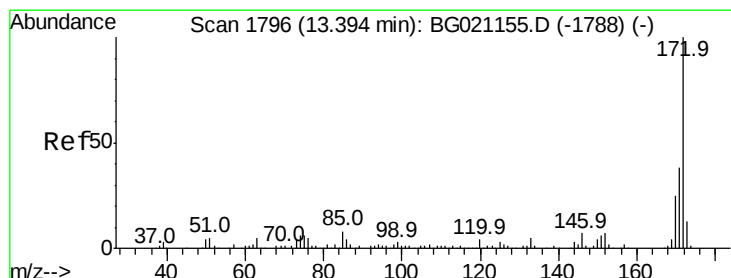
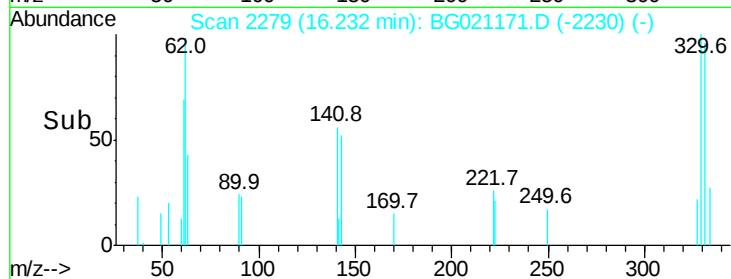
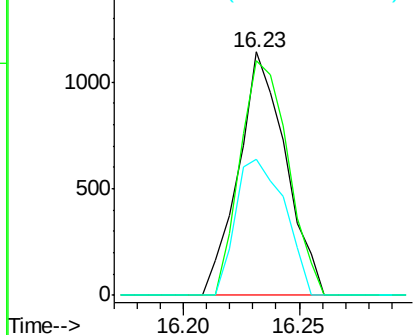
#41
 2,4,6-Tribromophenol
 Concen: 4.58 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)DL

Tot Ion:330 Resp: 1619
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.0
 141 58.4 35.3 52.9#

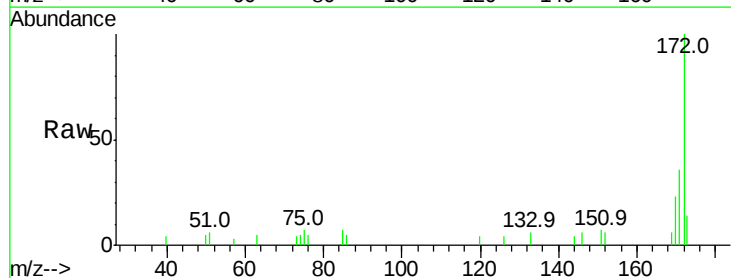


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

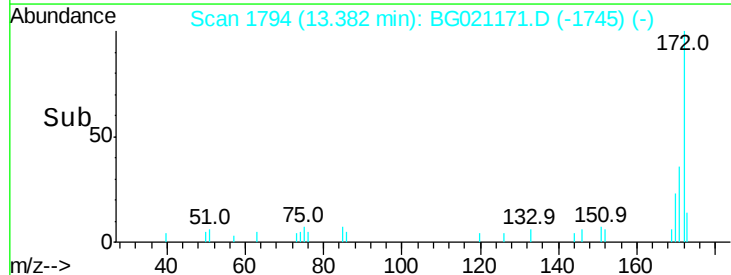
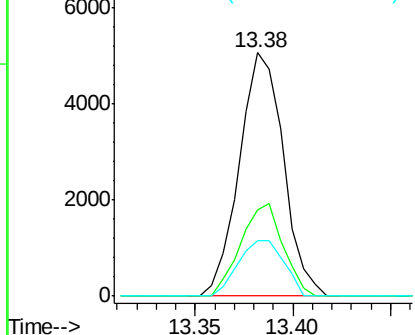


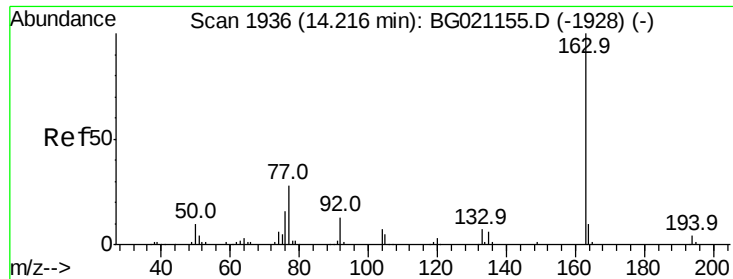
#44
 2-Fluorobiphenyl
 Concen: 3.30 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Tgt Ion:172 Resp: 7896
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 22.8 19.8 29.8



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: 0.60 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

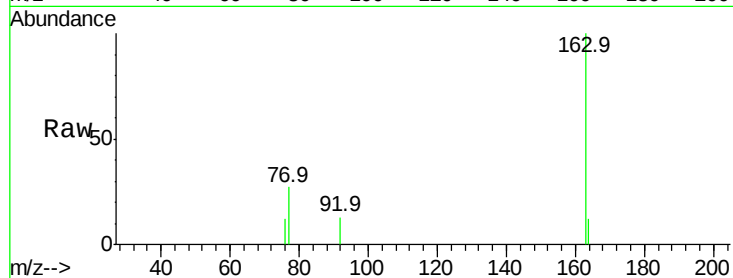
Tot Ion:163 Resp: 1811

Ion Ratio Lower Upper

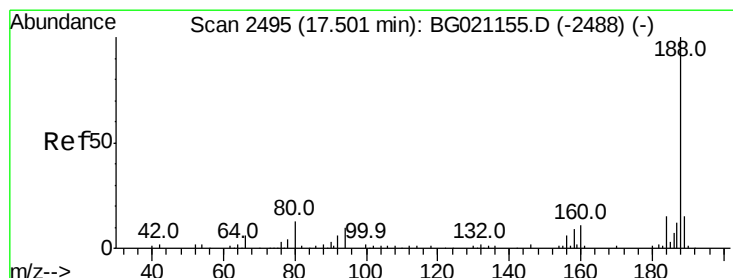
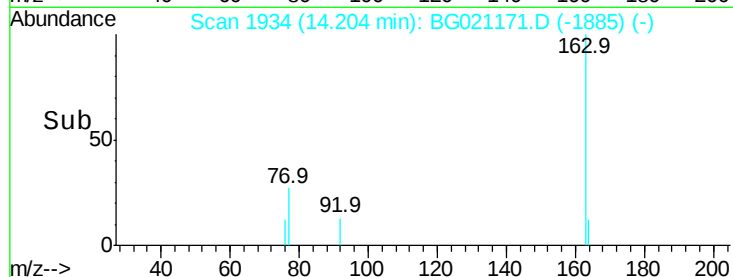
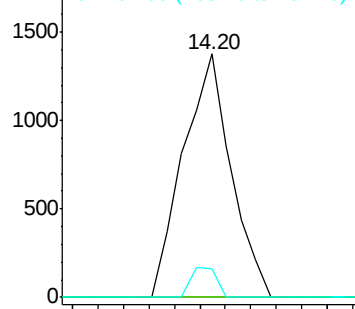
163 100

194 0.0 2.8 4.2#

164 11.8 7.9 11.9



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. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

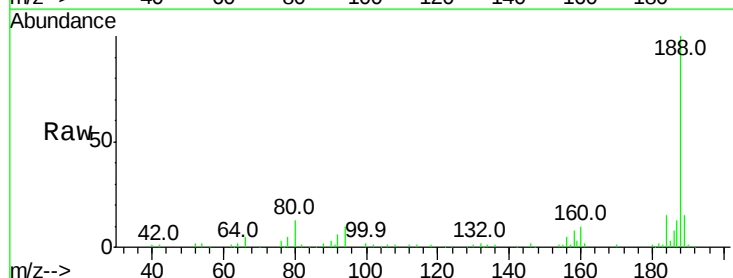
Tgt Ion:188 Resp: 75604

Ion Ratio Lower Upper

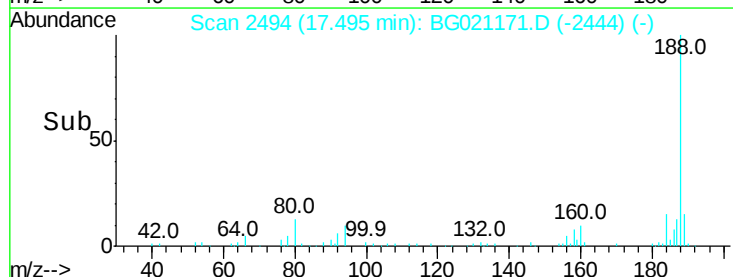
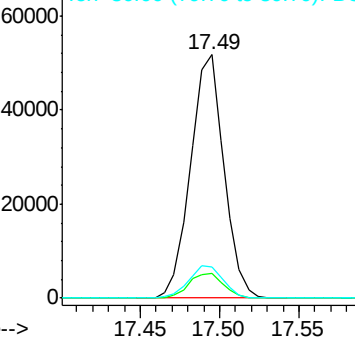
188 100

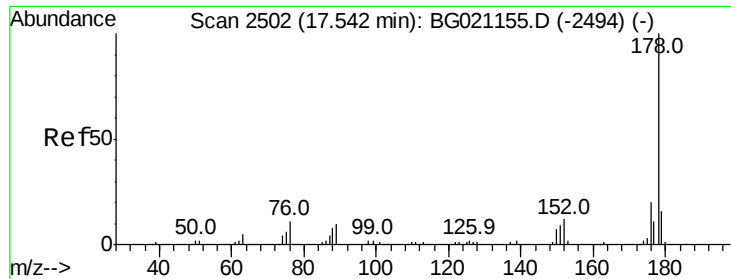
94 10.0 8.2 12.4

80 12.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG0
Ion 80.00 (79.70 to 80.70): BG0

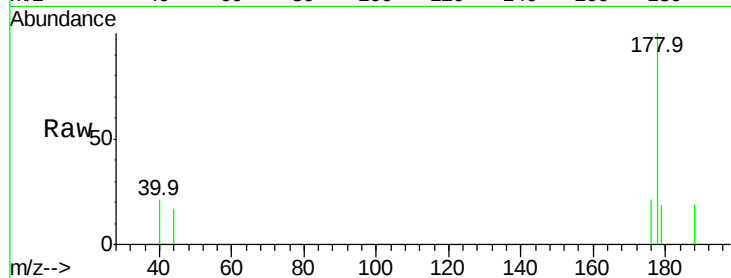




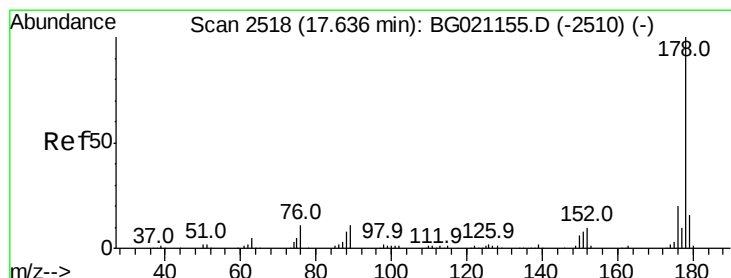
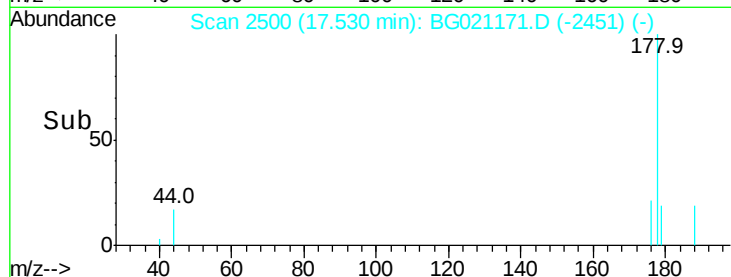
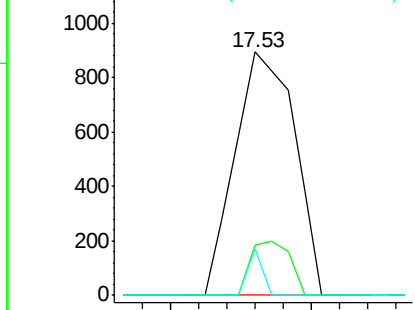
#70
 Phenanthrene
 Concen: 0.32 ng
 RT: 17.53 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)DL

Tot Ion:178 Resp: 1312
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.2 24.4
 179 19.3 12.9 19.3

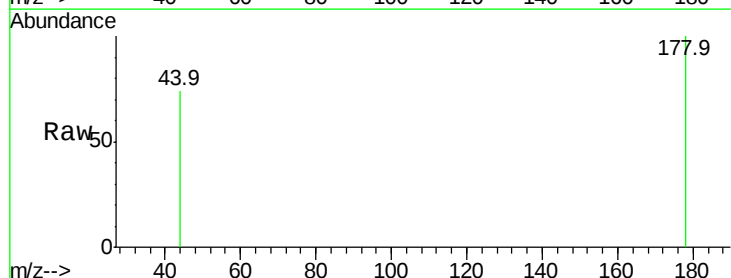


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

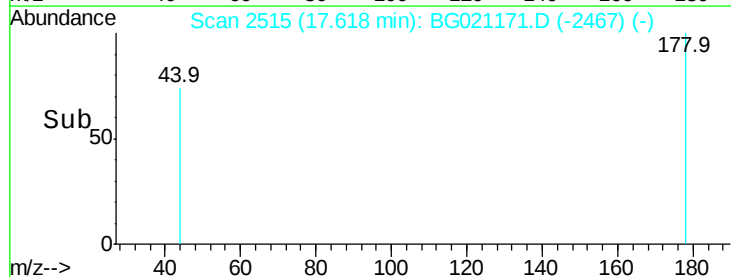
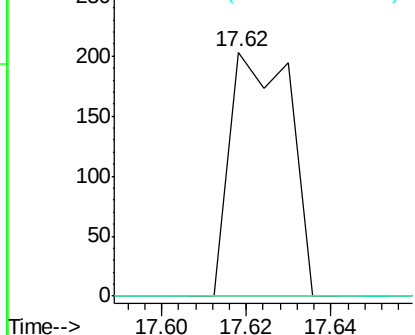


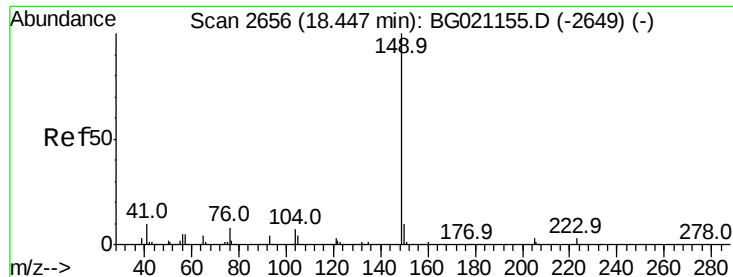
#71
 Anthracene
 Concen: 0.05 ng
 RT: 17.62 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Tgt Ion:178 Resp: 201
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.8 22.2#
 179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.06 ng

RT: 18.43 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

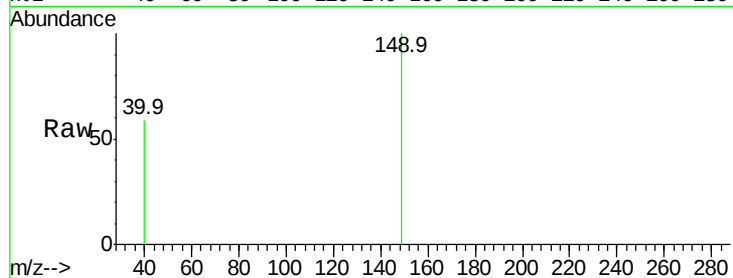
Tot Ion:149 Resp: 337

Ion Ratio Lower Upper

149 100

150 0.0 7.6 11.4#

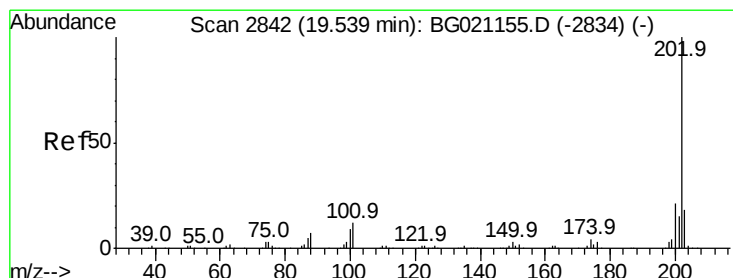
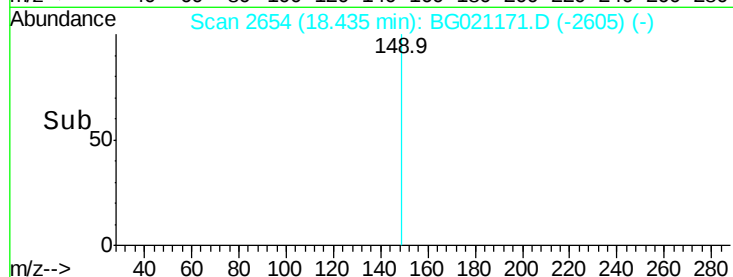
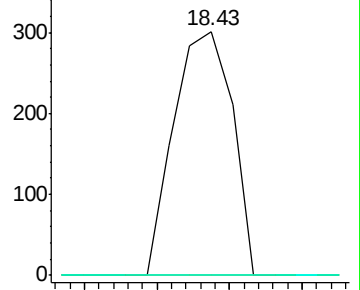
104 0.0 4.1 6.1#



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: 0.42 ng

RT: 19.53 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

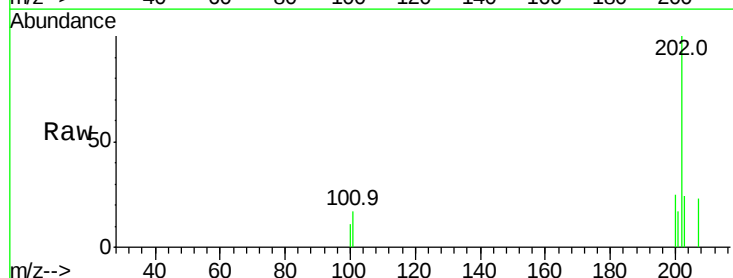
Tgt Ion:202 Resp: 2015

Ion Ratio Lower Upper

202 100

101 16.7 0.0 32.5

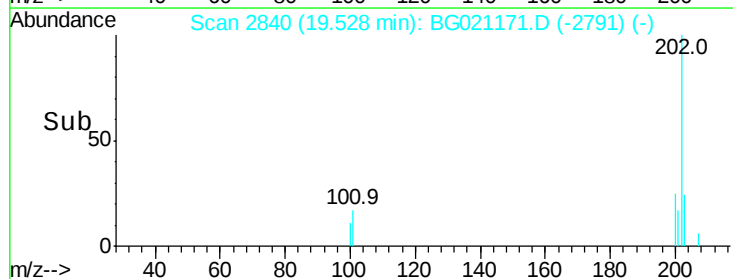
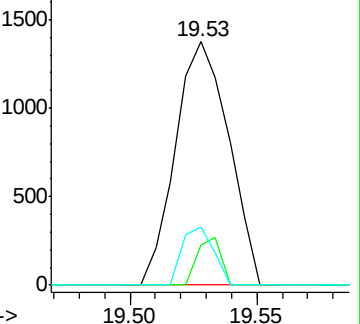
203 23.6 0.0 37.6

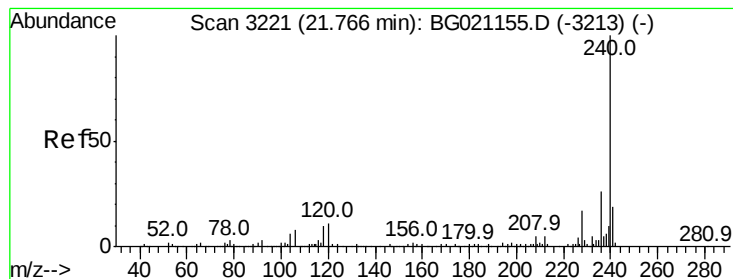


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.75 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

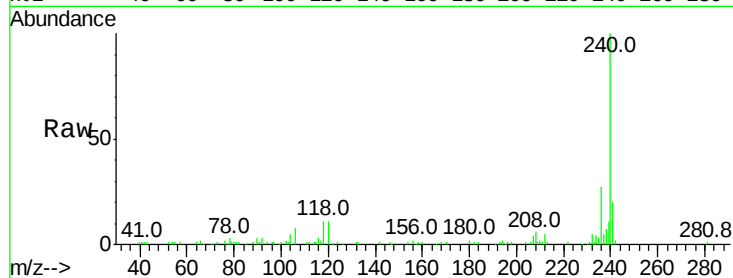
Tot Ion:240 Resp: 75983

Ion Ratio Lower Upper

240 100

120 11.4 7.5 11.3#

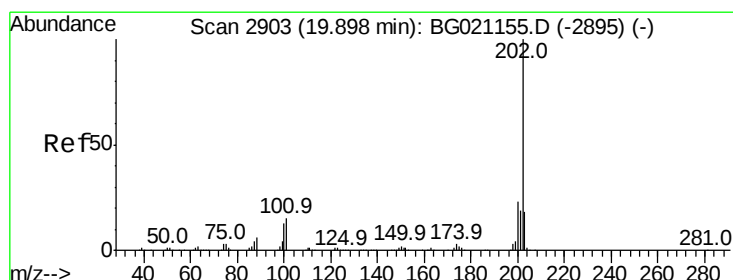
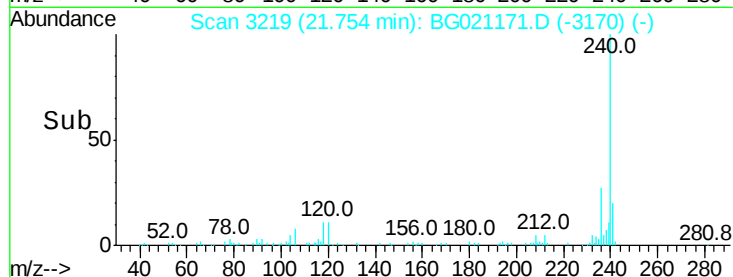
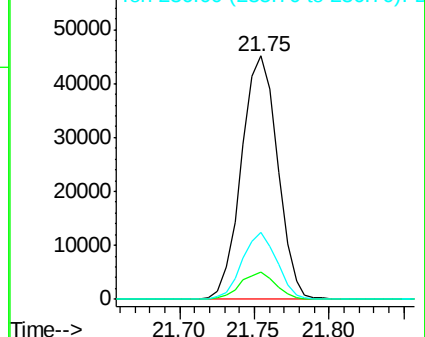
236 27.4 20.5 30.7



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



#77

Pyrene

Concen: 0.37 ng

RT: 19.89 min Scan# 2901

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

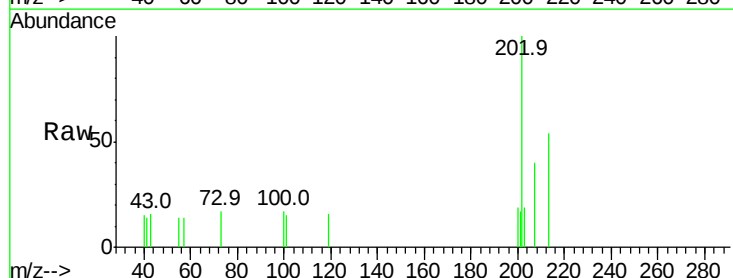
Tgt Ion:202 Resp: 1690

Ion Ratio Lower Upper

202 100

200 18.7 16.6 25.0

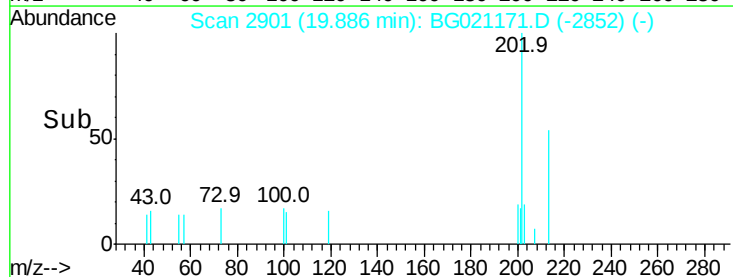
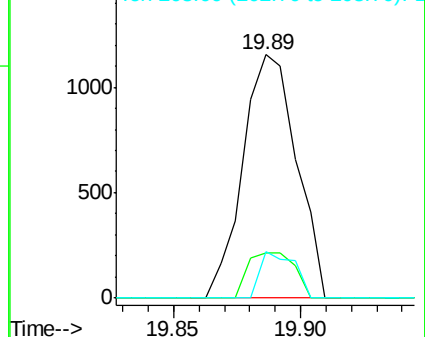
203 19.0 13.8 20.8

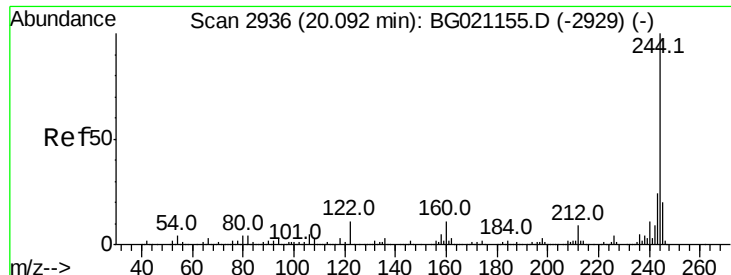


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 3.08 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

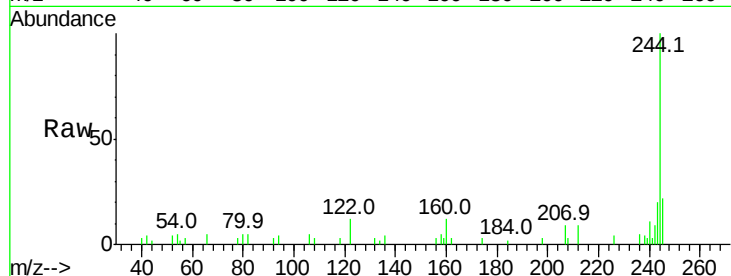
Tot Ion:244 Resp: 9645

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.6#

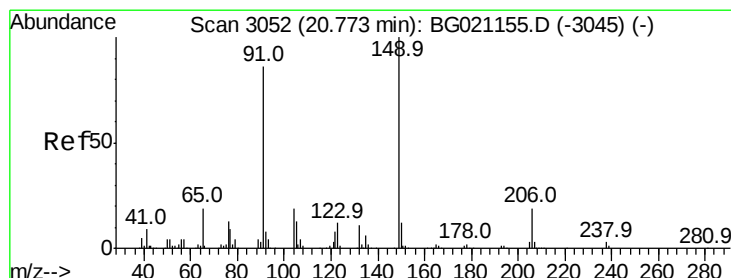
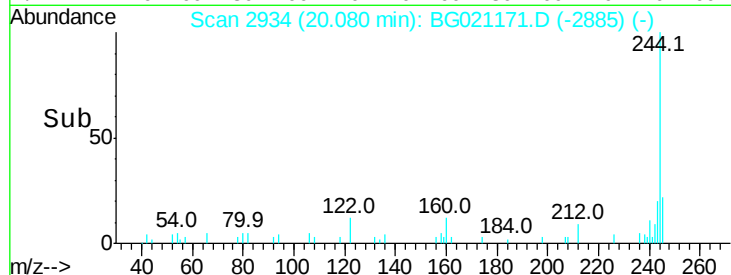
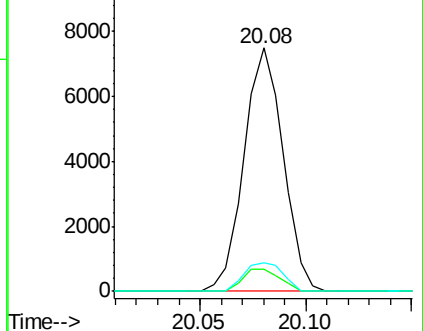
122 12.0 8.3 12.5



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



#79

Butylbenzylphthalate

Concen: 19.57 ng

RT: 20.77 min Scan# 3051

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

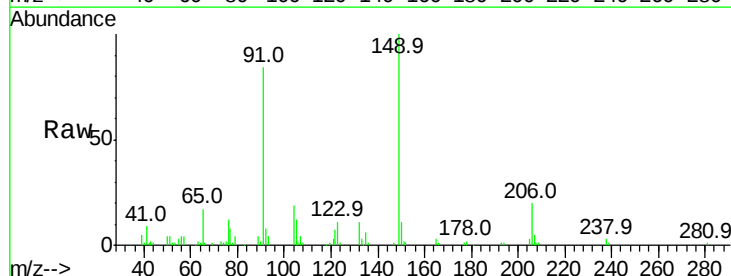
Tgt Ion:149 Resp: 45269

Ion Ratio Lower Upper

149 100

91 83.5 58.6 87.8

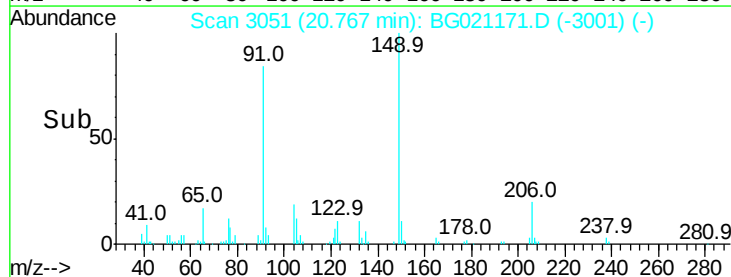
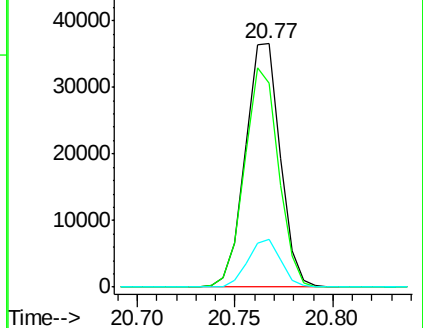
206 19.7 14.2 21.4

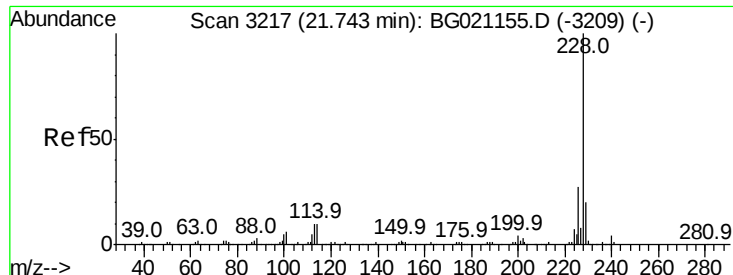


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.27 ng

RT: 21.74 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

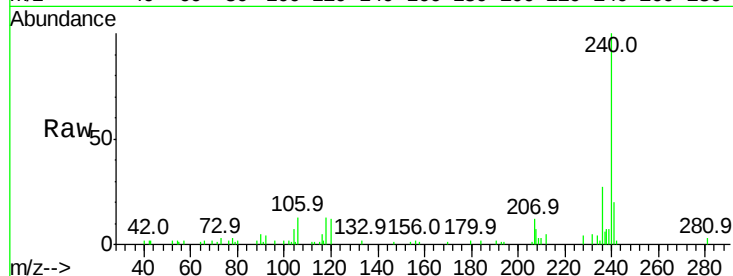
Tot Ion:228 Resp: 1198

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

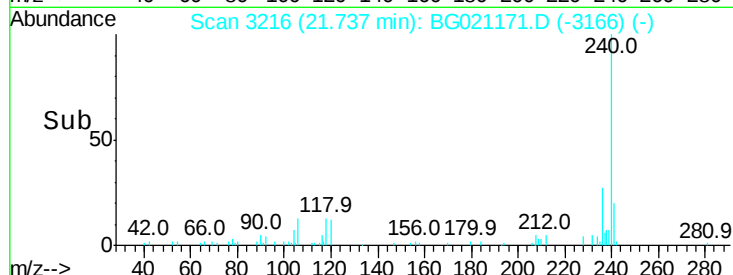
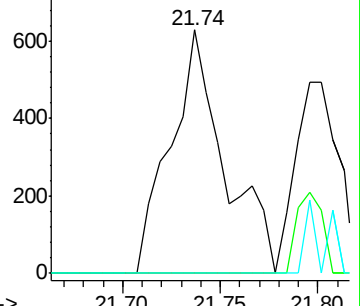
229 0.0 15.5 23.3#



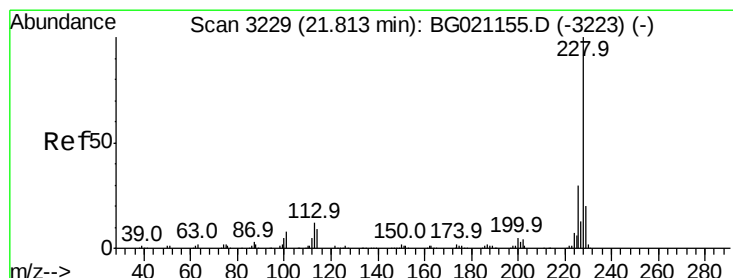
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 0.17 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

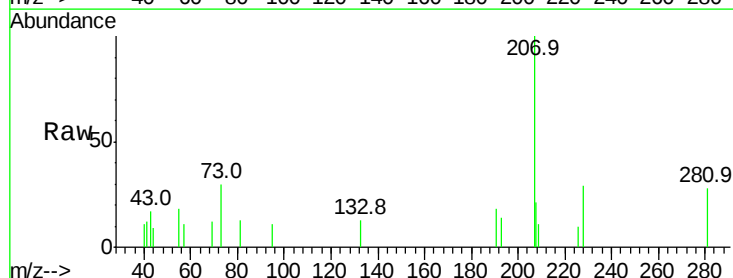
Tgt Ion:228 Resp: 740

Ion Ratio Lower Upper

228 100

226 32.9 23.7 35.5

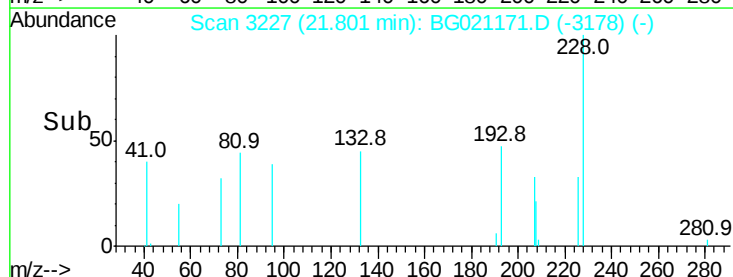
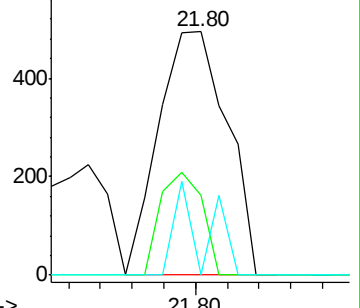
229 0.0 16.7 25.1#



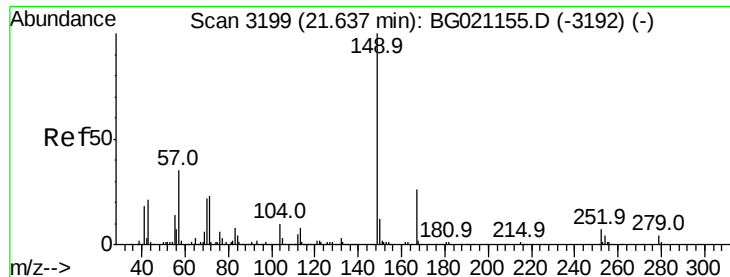
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.05 ng

RT: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

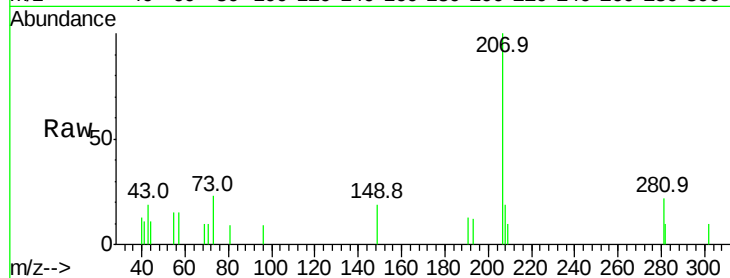
Tot Ion:149 Resp: 179

Ion Ratio Lower Upper

149 100

167 0.0 18.9 28.3#

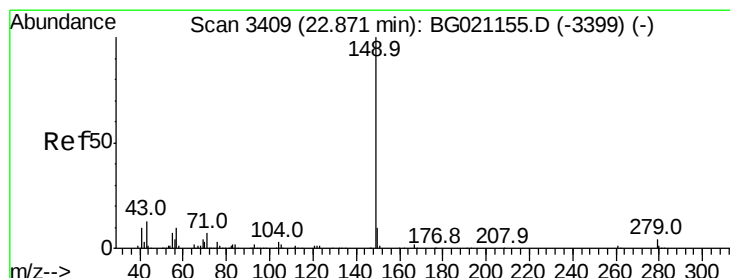
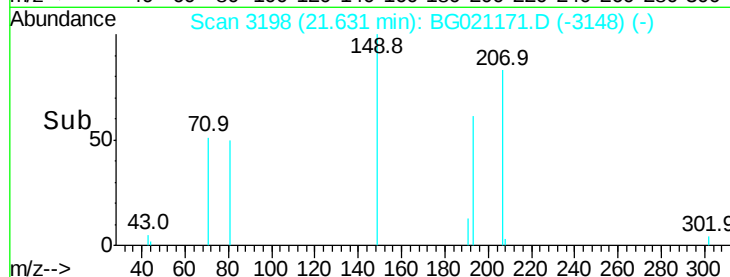
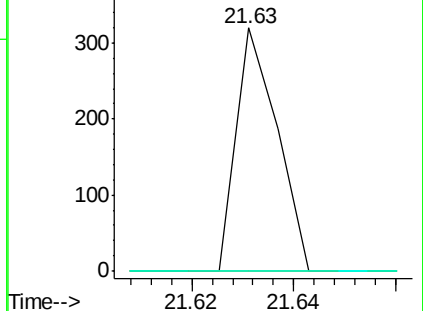
279 0.0 3.0 4.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 22.84 min Scan# 3404

Delta R.T. -0.03 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

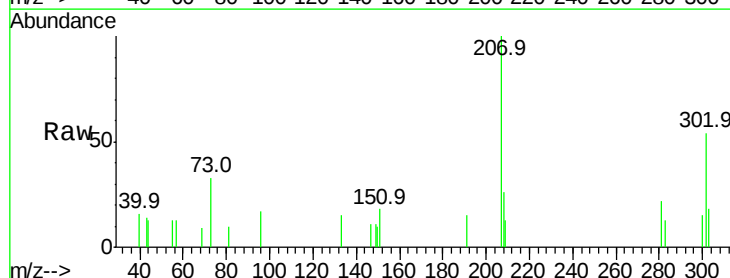
Tgt Ion:149 Resp: 175

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

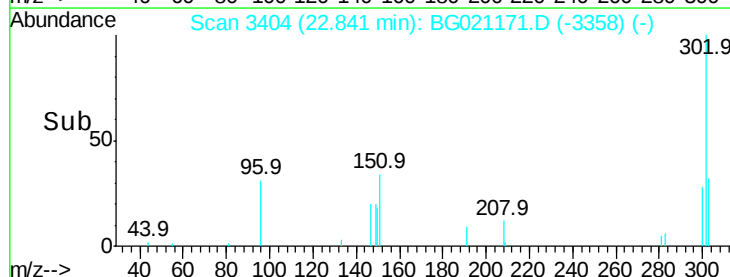
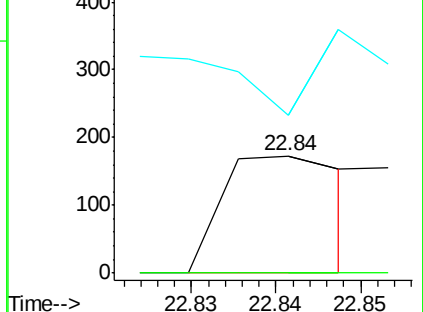
43 166.9 9.8 14.8#

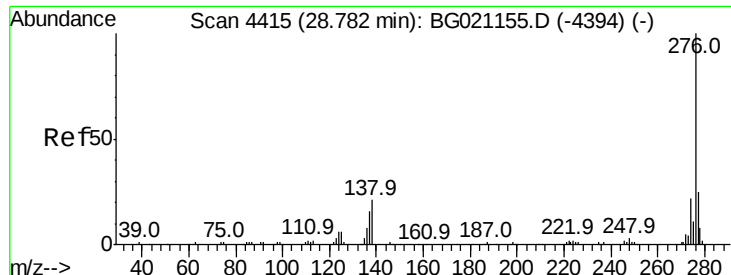


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

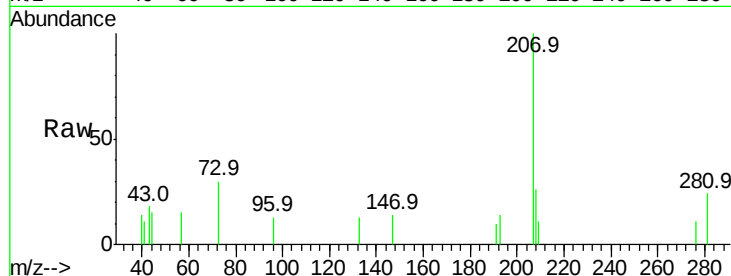




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 28.74 min Scan# 4408
 Delta R.T. -0.04 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

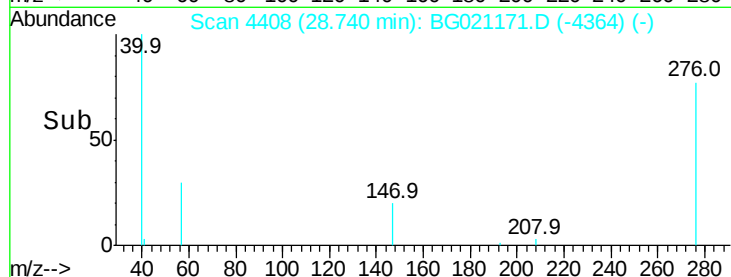
Instrument :
 BNA_G
 ClientSampleId :
 SP-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
277	0.0	0.0	0.0

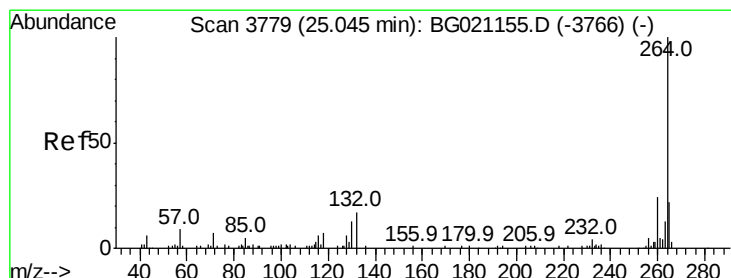


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

28.74

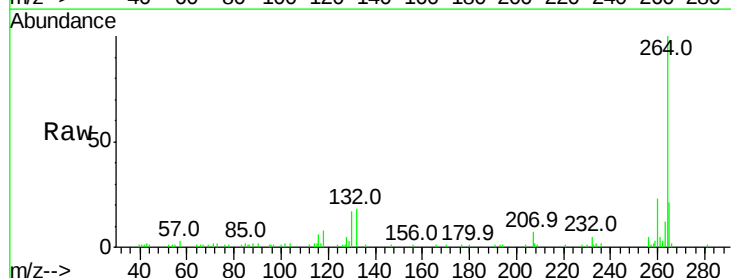


Time--> 28.72 28.74



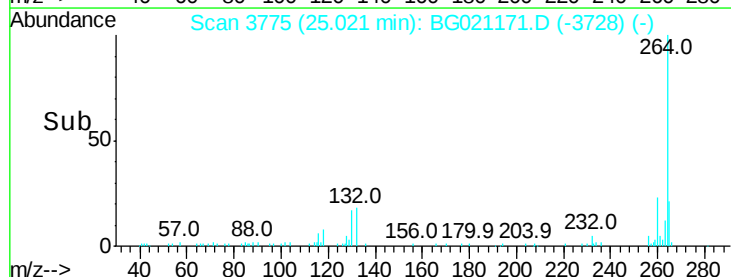
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.02 min Scan# 3775
 Delta R.T. -0.02 min
 Lab File: BG021171.D
 Acq: 1 Mar 2016 1:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.2	18.6	28.0

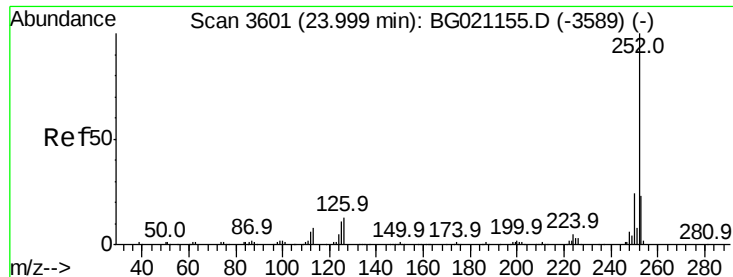


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

25.02



Time--> 24.90 25.00 25.10



#87

Benzo(b)fluoranthene

Concen: 0.18 ng

RT: 23.98 min Scan# 3597

Delta R.T. -0.02 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampled :

SP-3(0-2)DL

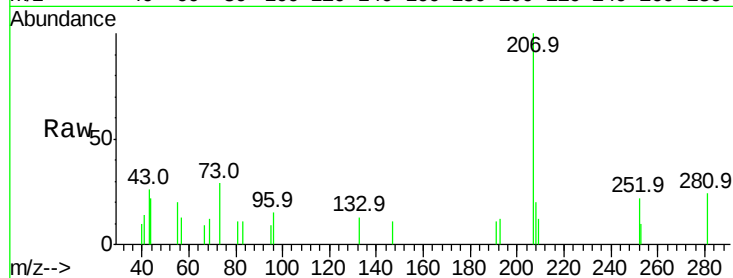
Tot Ion:252 Resp: 775

Ion Ratio Lower Upper

252 100

253 44.0 16.8 25.2#

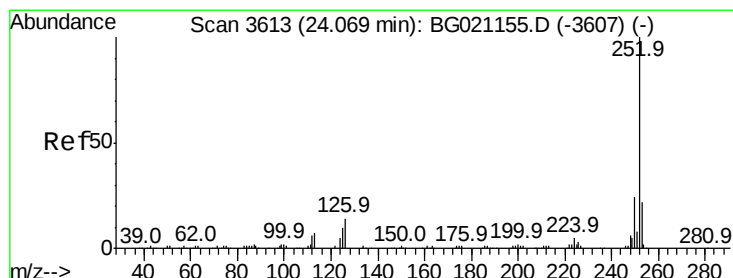
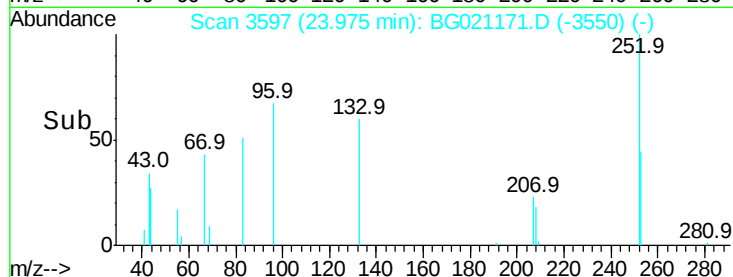
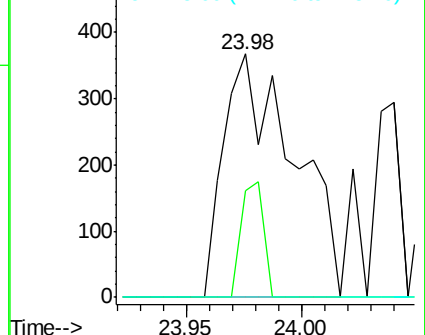
125 0.0 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 24.04 min Scan# 3608

Delta R.T. -0.03 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

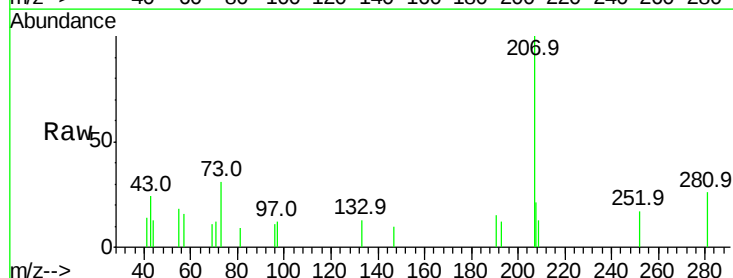
Tgt Ion:252 Resp: 326

Ion Ratio Lower Upper

252 100

253 0.0 16.4 24.6#

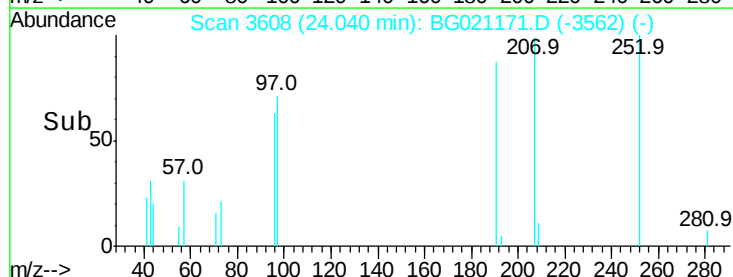
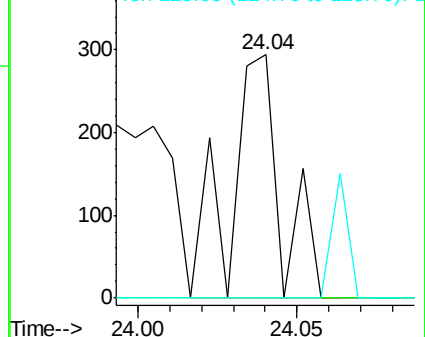
125 0.0 8.2 12.2#

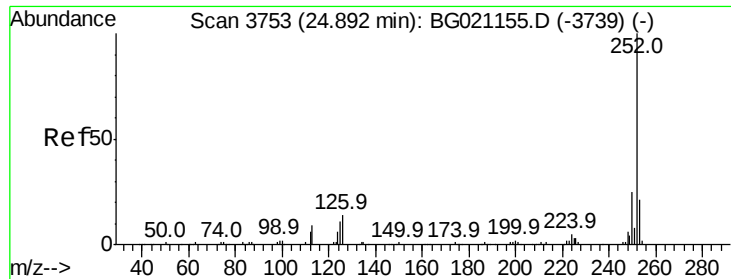


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.12 ng

RT: 24.87 min Scan# 3749

Delta R.T. -0.02 min

Lab File: BG021171.D

Acq: 1 Mar 2016 1:28

Instrument :

BNA_G

ClientSampleId :

SP-3(0-2)DL

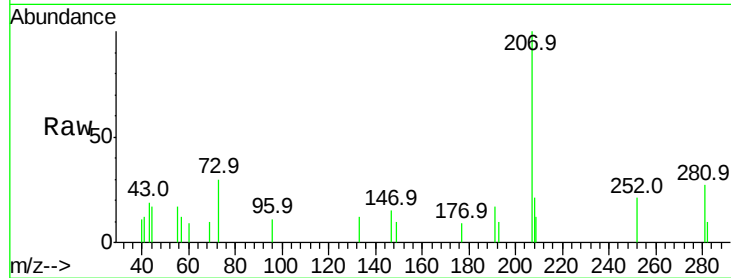
Tot Ion:252 Resp: 488

Ion Ratio Lower Upper

252 100

253 0.0 15.8 23.8#

125 0.0 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

