

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062416\
 Data File : BG022529.D
 Acq On : 24 Jun 2016 7:34
 Operator : UM/SJ
 Sample : H3625-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 24 15:37:38 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

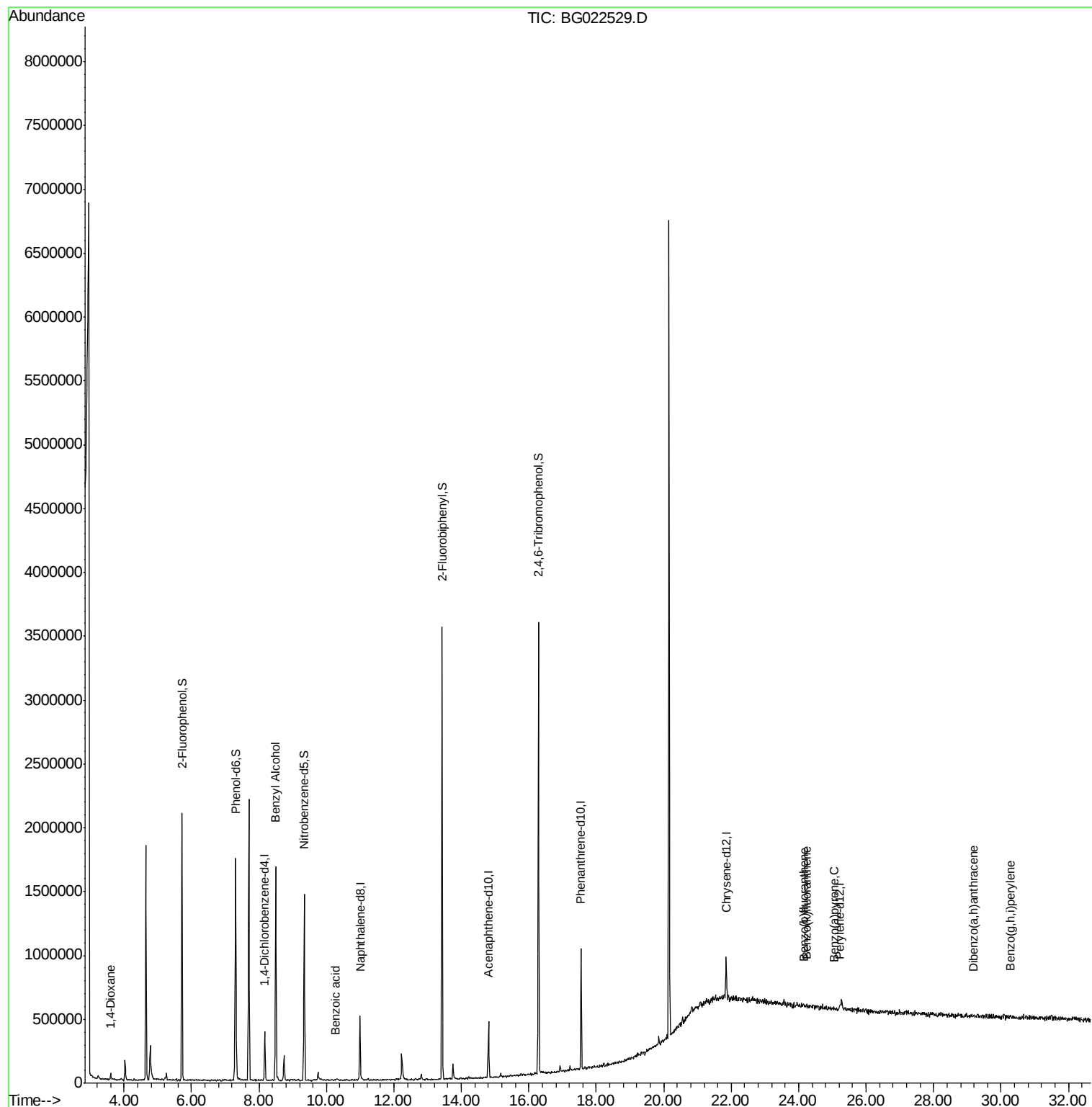
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	93004	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	379506	20.00	ng	-0.01
38) Acenaphthene-d10	14.80	164	130526	20.00	ng	-0.02
63) Phenanthrene-d10	17.55	188	506800	20.00	ng	-0.02
75) Chrysene-d12	21.85	240	121421	20.00	ng	-0.02
86) Perylene-d12	25.22	264	3902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	773826	134.74	ng	0.00
7) Phenol-d6	7.31	99	790801	98.35	ng	0.00
23) Nitrobenzene-d5	9.34	82	870571	98.22	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	606676	299.51	ng	-0.02
44) 2-Fluorobiphenyl	13.43	172	1711190	200.10	ng	-0.02
78) Terphenyl-d14	20.16	244	2102630	-20.00	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.61	88	6454	2.80	ng	# 1
15) Benzyl Alcohol	8.49	79	19331	2.23	ng	# 60
32) Benzoic acid	10.26	122	68	3.88	ng	# 1
53) 2,4-Dinitrophenol	14.89	184	237	Below Cal	#	10
64) 4,6-Dinitro-2-methylphenol	15.86	198	74	Below Cal	#	1
73) Di-n-butylphthalate	18.51	149	707	Below Cal	#	73
74) Fluoranthene	19.59	202	575	Below Cal	#	1
87) Benzo(b)fluoranthene	24.17	252	917	3.99	ng	# 4
88) Benzo(k)fluoranthene	24.24	252	1394	6.41	ng	# 1
89) Benzo(a)pyrene	25.06	252	2386	10.96	ng	# 89
90) Dibenzo(a,h)anthracene	29.18	278	1095	5.37	ng	# 82
91) Benzo(a,h,i)perylene	30.27	276	3273	15.86	ng	# 81

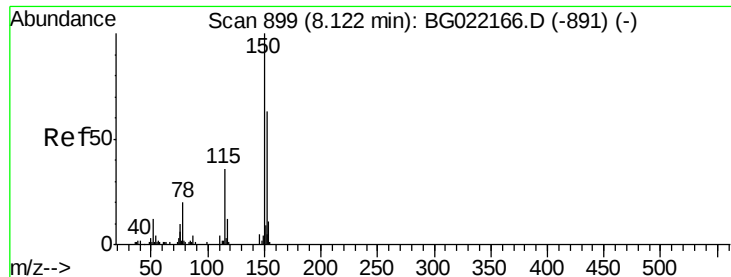
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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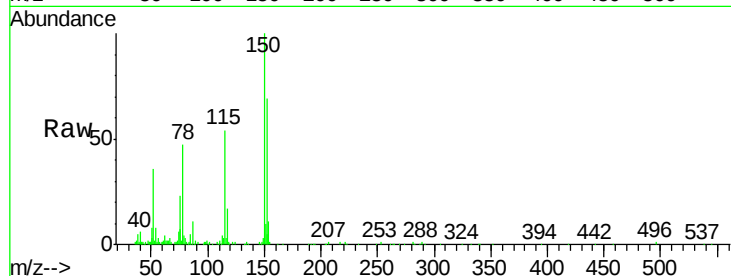


#1

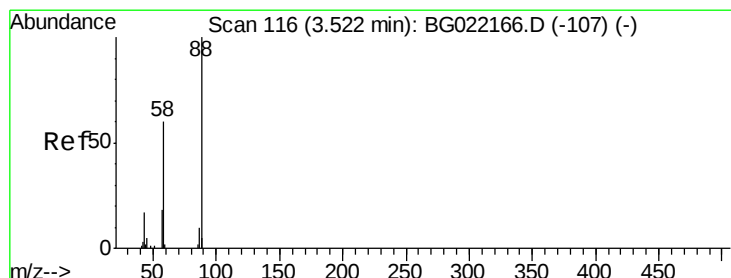
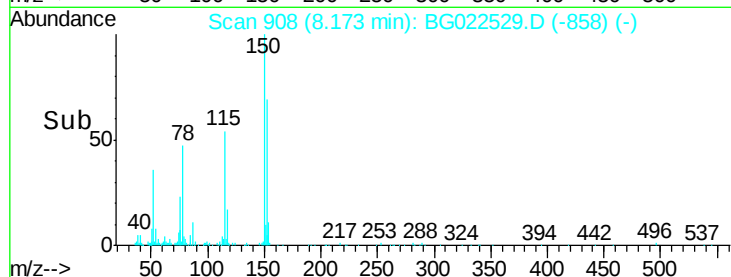
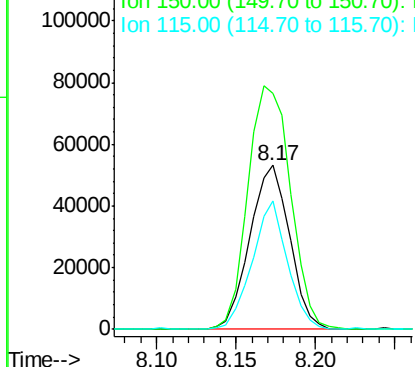
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 908
Delta R.T. -0.01 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 93004
Ion Ratio Lower Upper
152 100
150 144.1 144.7 217.1#
115 78.2 64.0 96.0



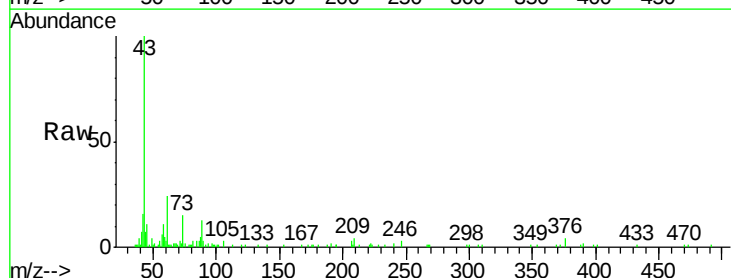
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



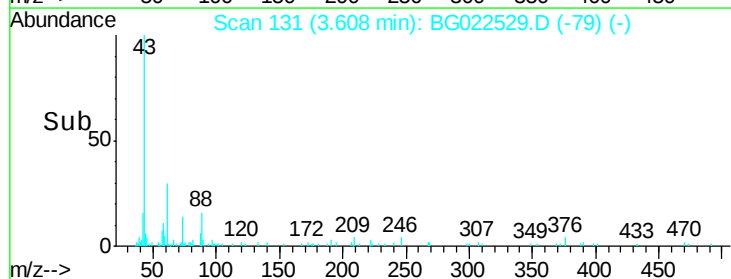
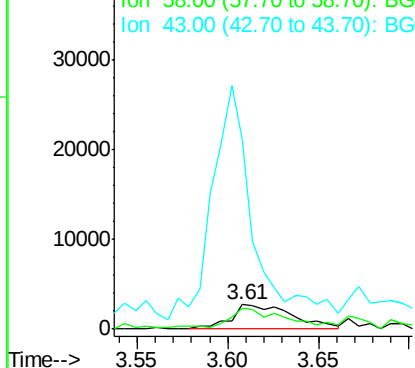
#2

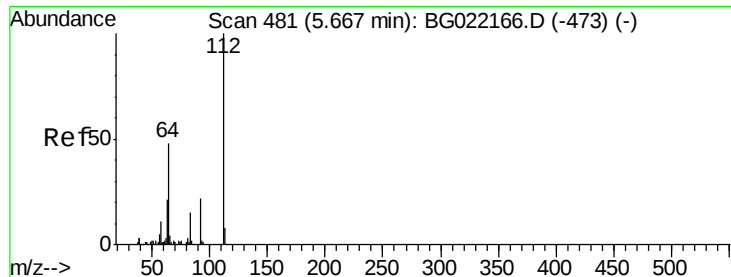
1,4-Dioxane
Concen: 2.80 ng
RT: 3.61 min Scan# 131
Delta R.T. 0.01 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Tgt Ion: 88 Resp: 6454
Ion Ratio Lower Upper
88 100
58 68.1 60.4 90.6
43 635.9 31.1 46.7#



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: 134.74 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Instrument :

BNA_G

ClientSampleId :

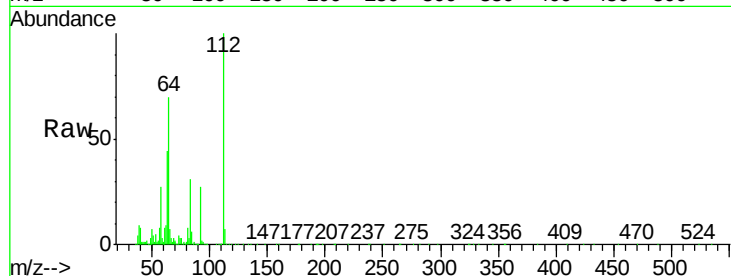
Tot Ion: 112 Resp: 773826

Ion Ratio Lower Upper

112 100

64 69.7 59.0 88.4

63 44.0 37.8 56.8



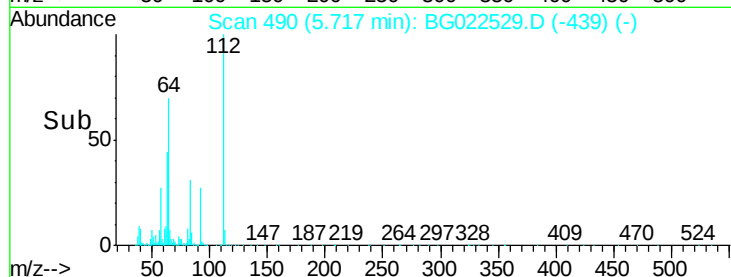
Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

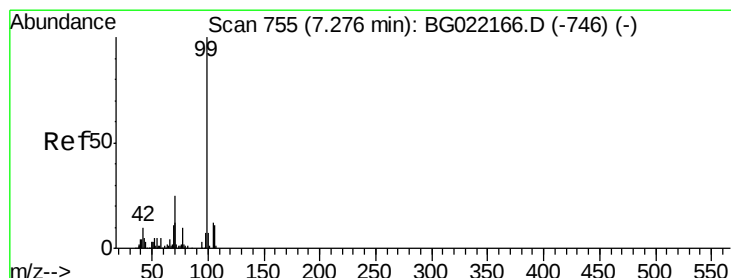
Ion 63.00 (62.70 to 63.70): BGC

5.72

Time-->



Time-->



#7

Phenol-d6

Concen: 98.35 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

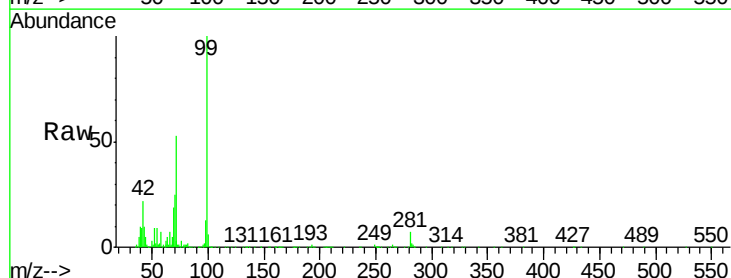
Tgt Ion: 99 Resp: 790801

Ion Ratio Lower Upper

99 100

42 21.7 17.8 26.6

71 53.3 41.5 62.3



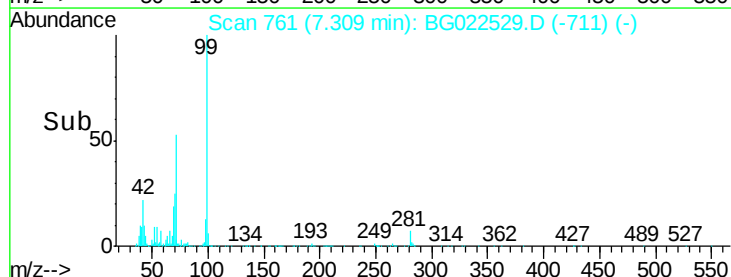
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

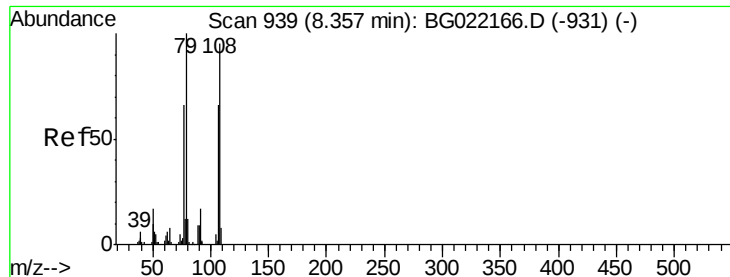
Ion 71.00 (70.70 to 71.70): BGC

7.31

Time-->



Time-->



#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 8.49 min Scan# 962

Delta R.T. 0.08 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Instrument :

BNA_G

ClientSampleId :

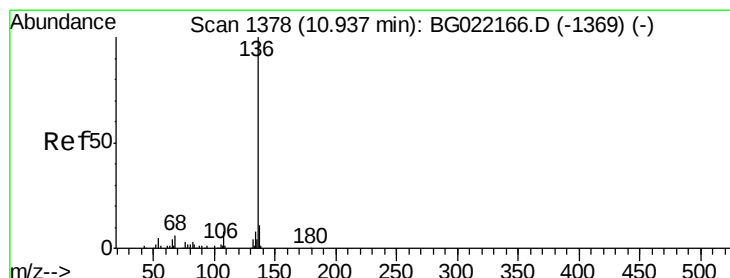
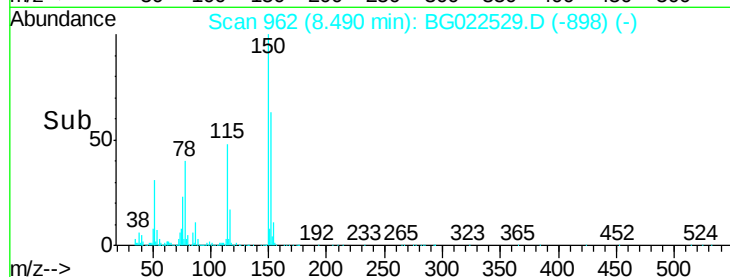
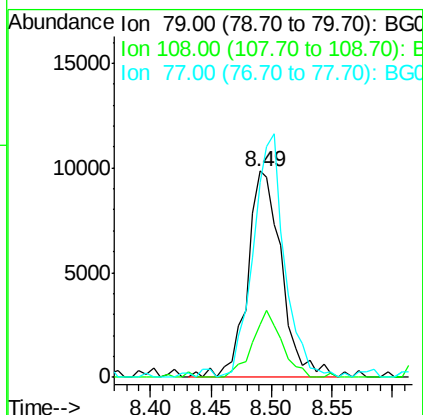
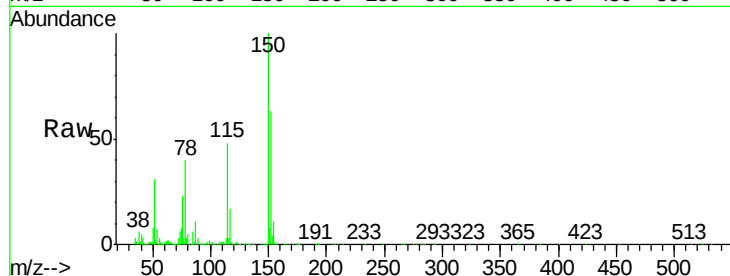
Tot Ion: 79 Resp: 19331

Ion Ratio Lower Upper

79 100

108 25.8 46.5 69.7#

77 94.8 52.3 78.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Tgt Ion: 136 Resp: 379506

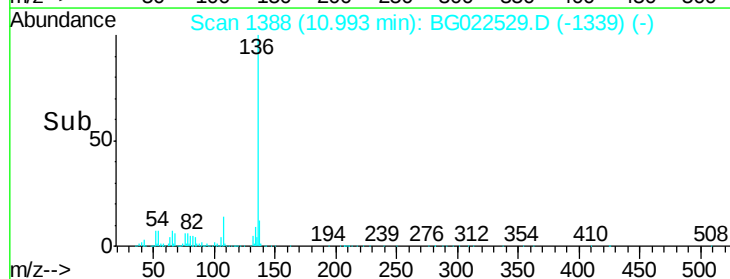
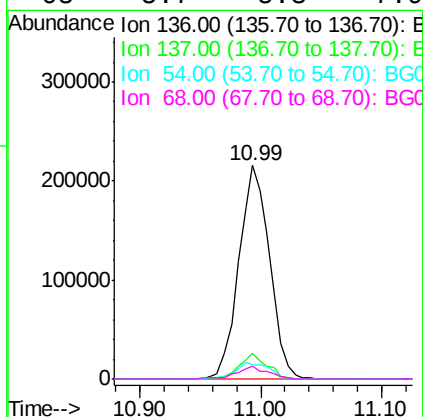
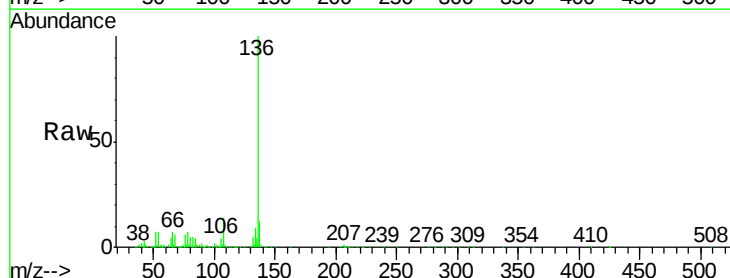
Ion Ratio Lower Upper

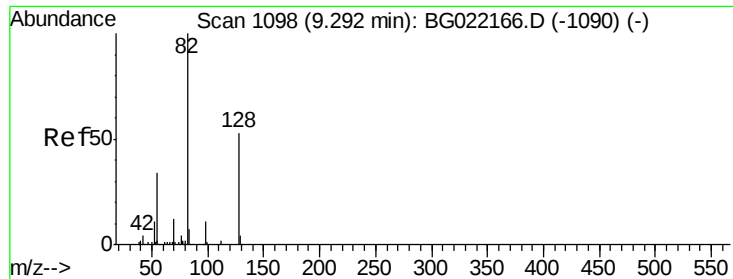
136 100

137 11.9 9.6 14.4

54 6.8 7.3 10.9#

68 5.7 5.3 7.9

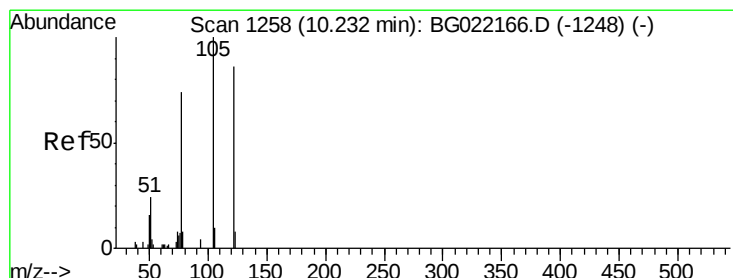
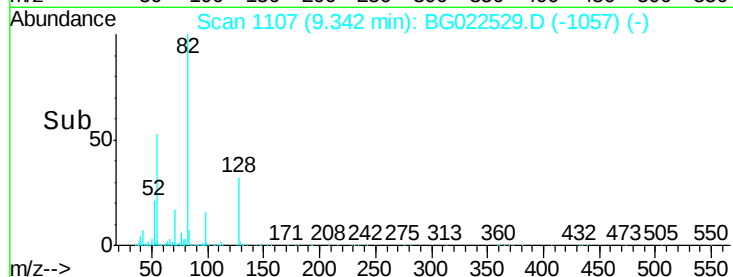
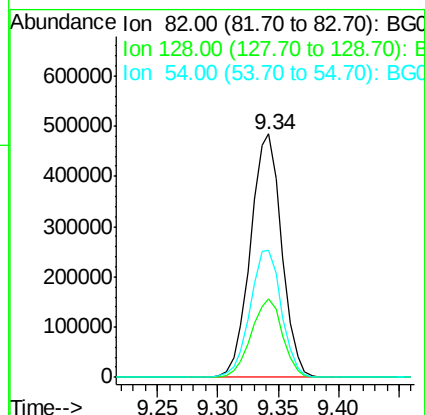
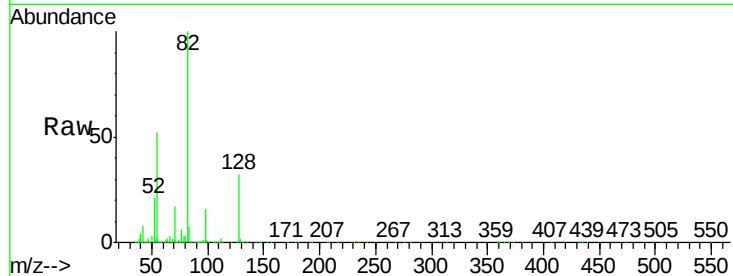




#23
 Nitrobenzene-d5
 Concen: 98.22 ng
 RT: 9.34 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BG022529.D
 Acq: 24 Jun 2016 7:34

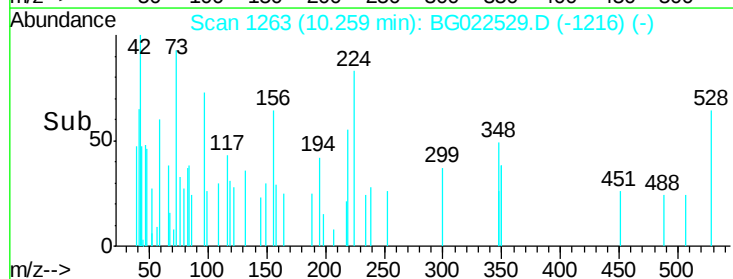
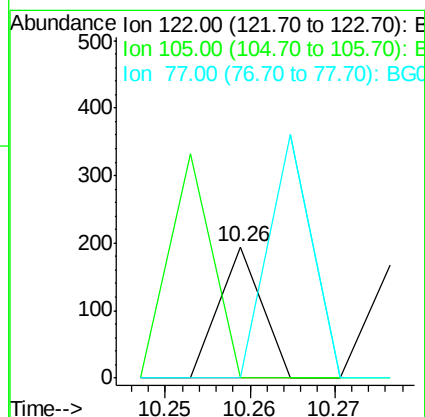
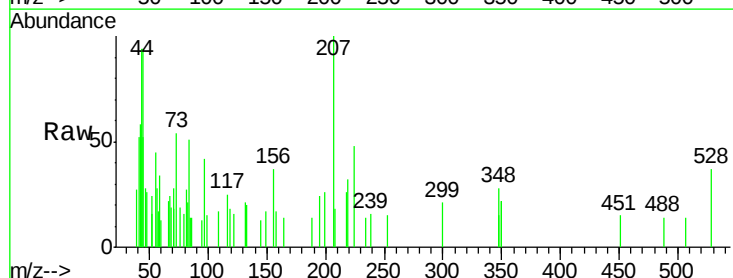
Instrument :
 BNA_G
 ClientSampled :

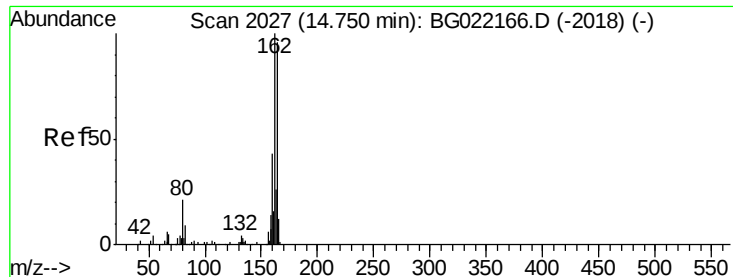
Tot Ion: 82 Resp: 870571
 Ion Ratio Lower Upper
 82 100
 128 32.4 24.4 36.6
 54 52.5 41.4 62.0



#32
 Benzoic acid
 Concen: 3.88 ng
 RT: 10.26 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: BG022529.D
 Acq: 24 Jun 2016 7:34

Tgt Ion: 122 Resp: 68
 Ion Ratio Lower Upper
 122 100
 105 0.0 117.2 157.2#
 77 0.0 109.2 149.2#

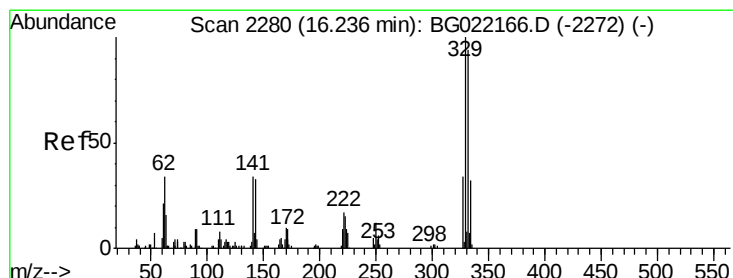
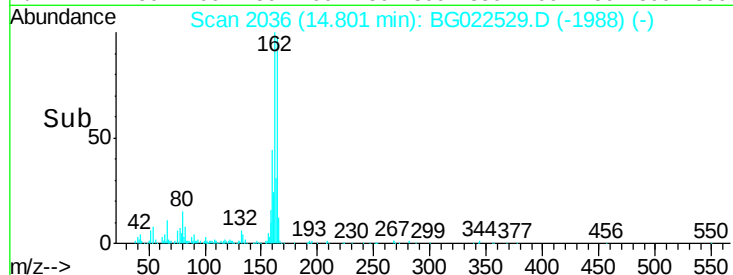
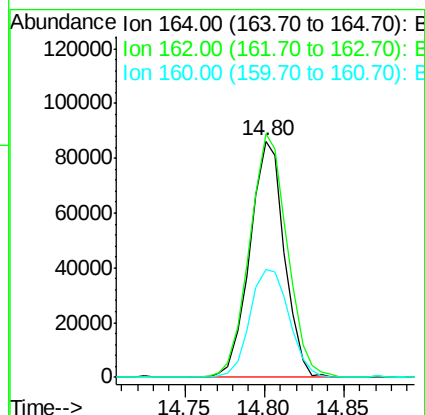
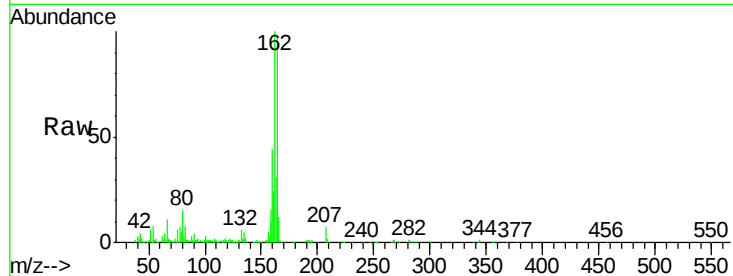




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

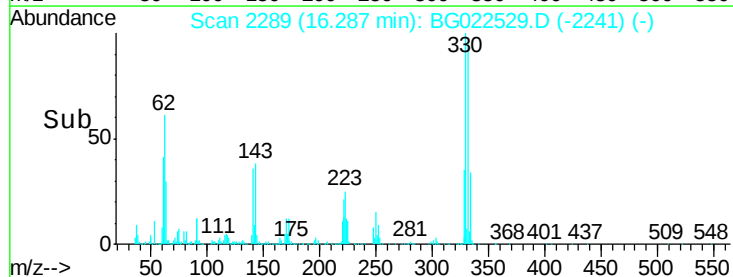
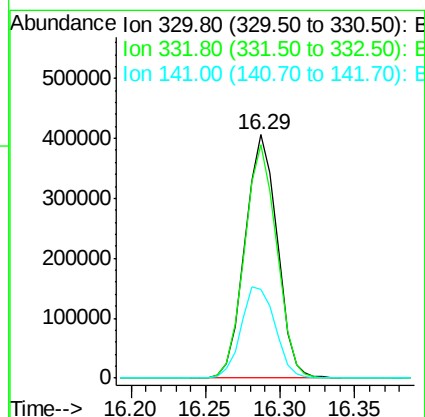
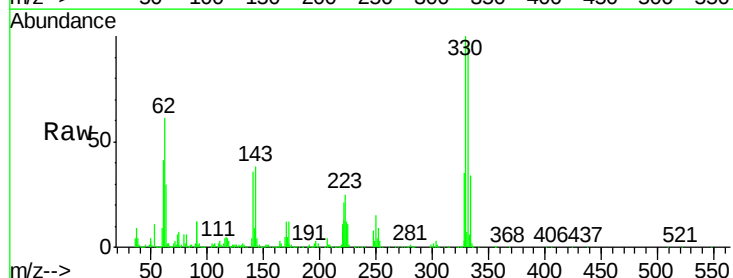
Instrument :
BNA_G
ClientSampleId :

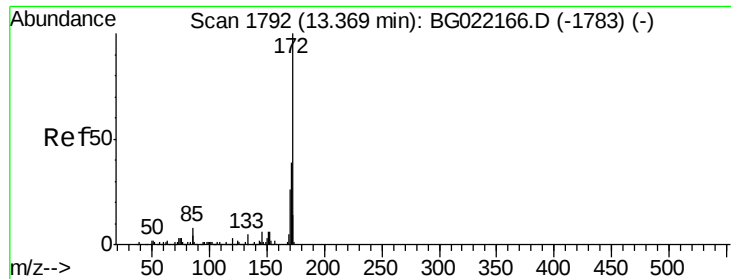
Tot Ion:164 Resp: 130526
Ion Ratio Lower Upper
164 100
162 103.1 87.7 131.5
160 45.7 37.2 55.8



#41
2,4,6-Tribromophenol
Concen: 299.51 ng
RT: 16.29 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Tgt Ion:330 Resp: 606676
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 39.7 31.7 47.5

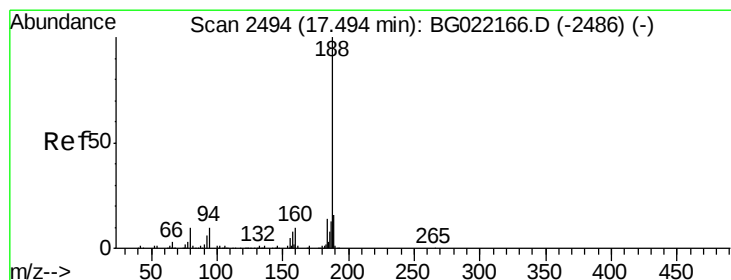
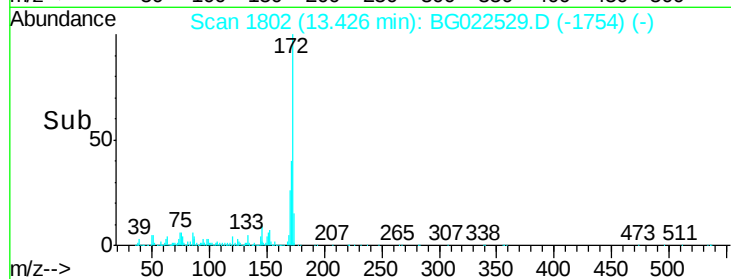
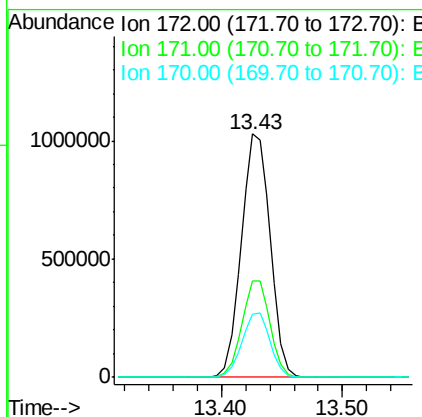
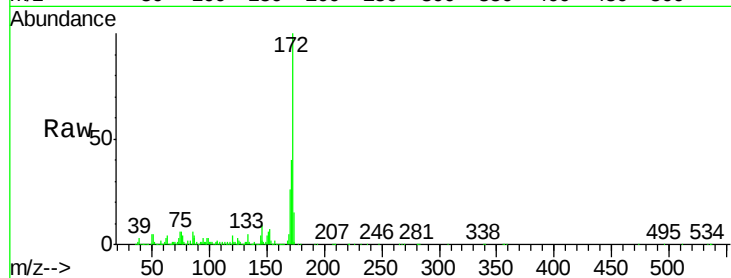




#44
2-Fluorobiphenyl
Concen: 200.10 ng
RT: 13.43 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

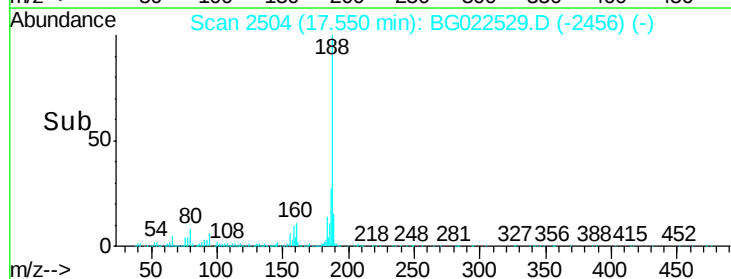
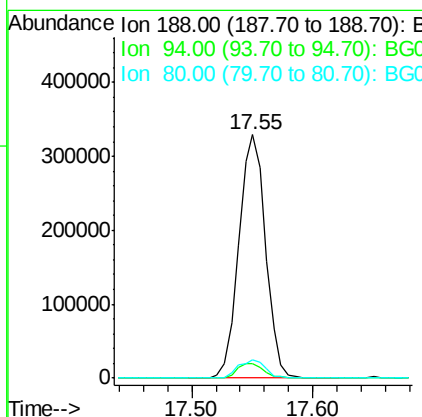
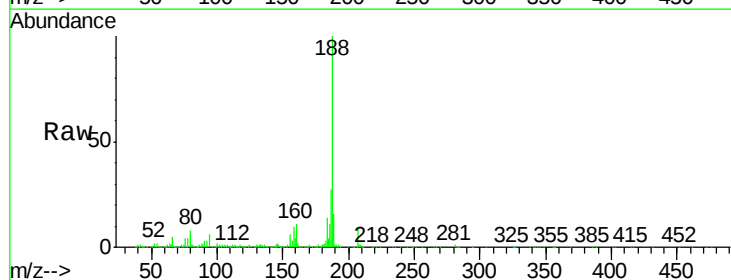
Instrument :
BNA_G
ClientSampleId :

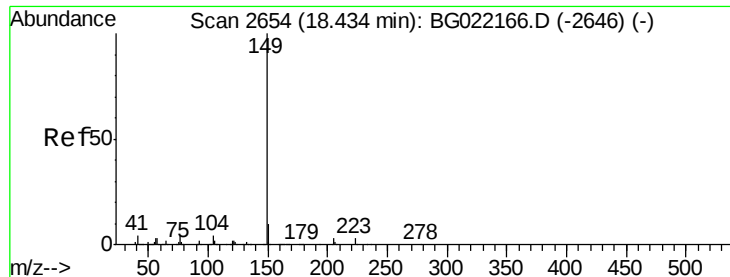
Tot Ion:172 Resp: 1711190
Ion Ratio Lower Upper
172 100
171 39.5 31.6 47.4
170 26.0 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.02 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Tgt Ion:188 Resp: 506800
Ion Ratio Lower Upper
188 100
94 5.7 5.2 7.8
80 7.7 7.2 10.8





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.51 min Scan# 2668

Delta R.T. -0.01 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Instrument :

BNA_G

ClientSampleId :

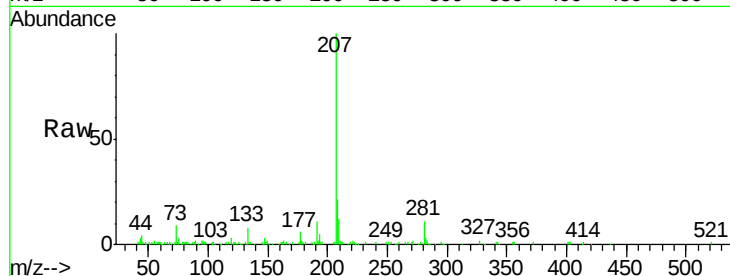
Tot Ion:149 Resp: 707

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

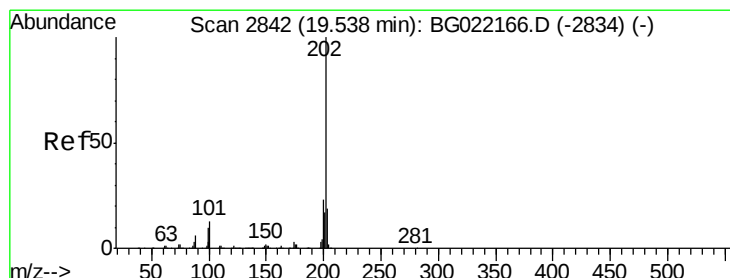
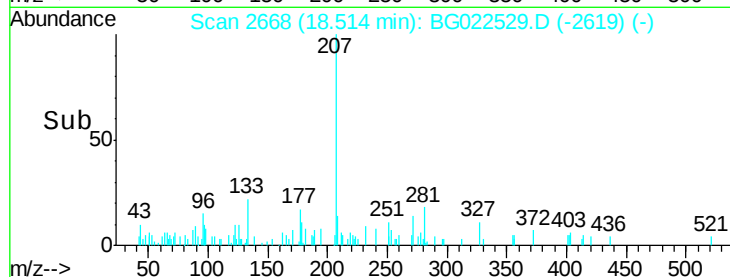
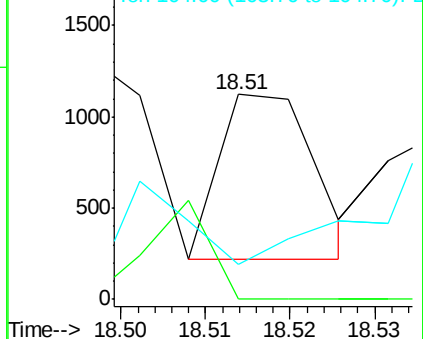
104 17.1 6.9 10.3#



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: 19.59 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

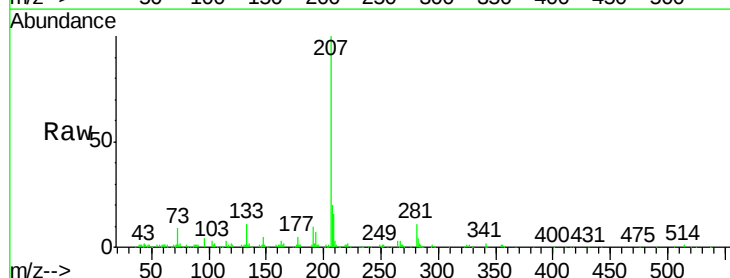
Tgt Ion:202 Resp: 575

Ion Ratio Lower Upper

202 100

101 0.0 0.0 27.4

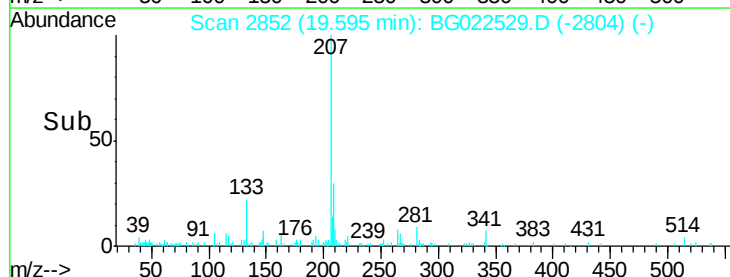
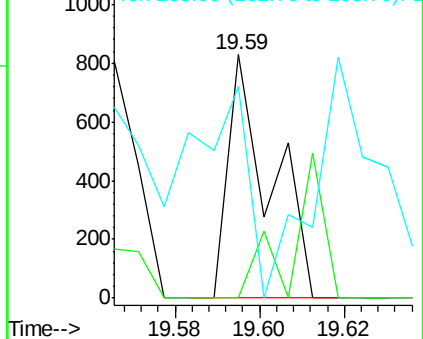
203 86.7 1.7 41.7#

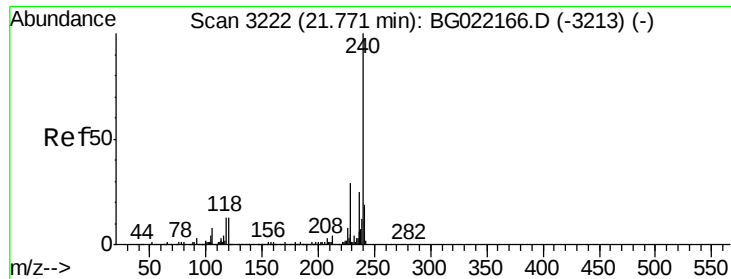


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

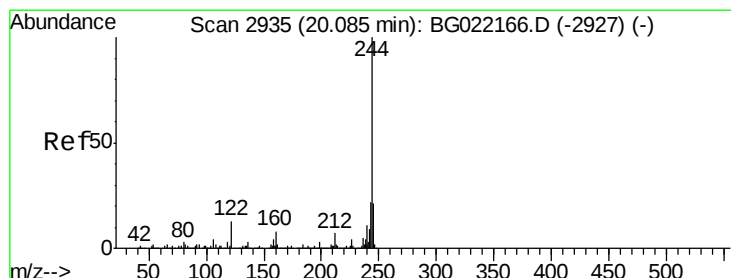
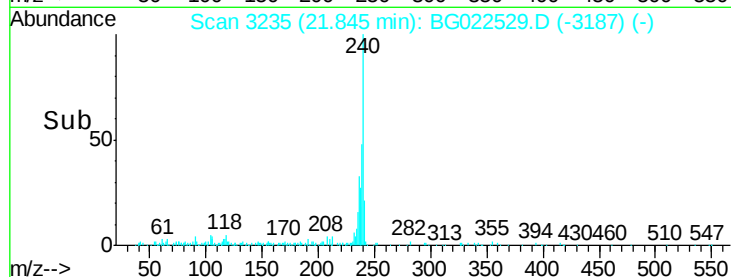
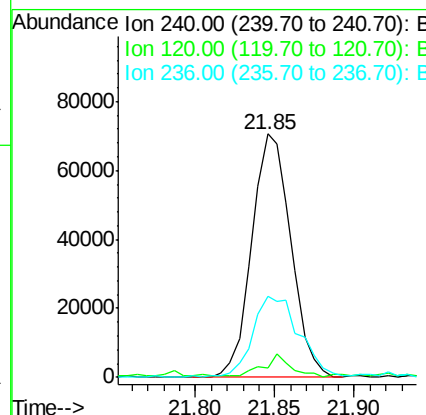
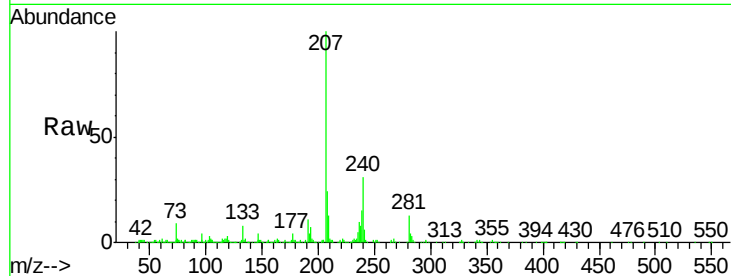




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. -0.02 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

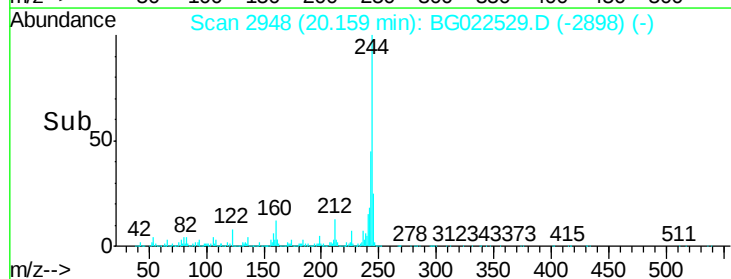
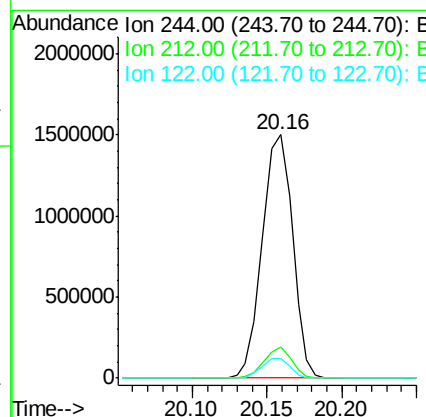
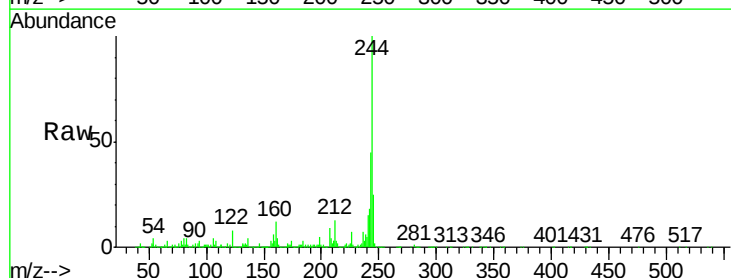
Instrument :
BNA_G
ClientSampleId :

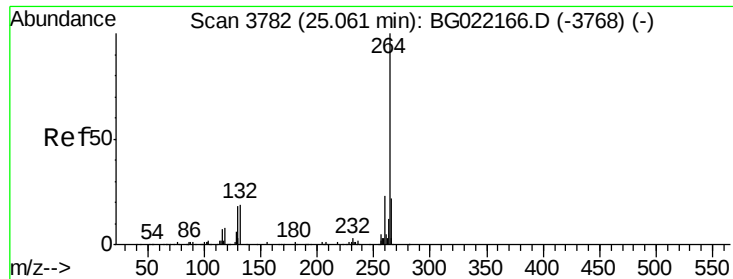
Tot Ion:240 Resp: 121421
Ion Ratio Lower Upper
240 100
120 3.9 4.1 6.1#
236 33.4 21.1 31.7#



#78
Terphenyl-d14
Concen: -20.00 ng
RT: 20.16 min Scan# 2948
Delta R.T. -0.01 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Tgt Ion:244 Resp: 2102630
Ion Ratio Lower Upper
244 100
212 12.6 10.8 16.2
122 8.0 8.0 12.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3809

Delta R.T. -0.01 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Instrument :

BNA_G

ClientSampled :

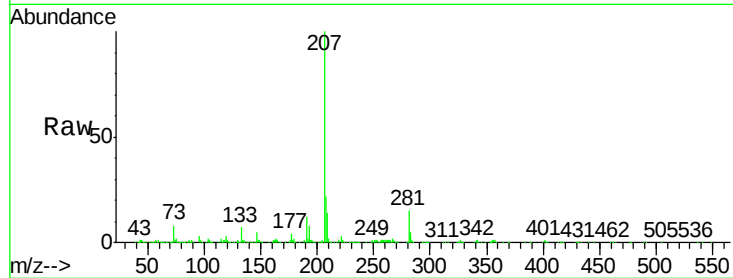
Tot Ion:264 Resp: 3902

Ion Ratio Lower Upper

264 100

260 127.0 18.4 27.6#

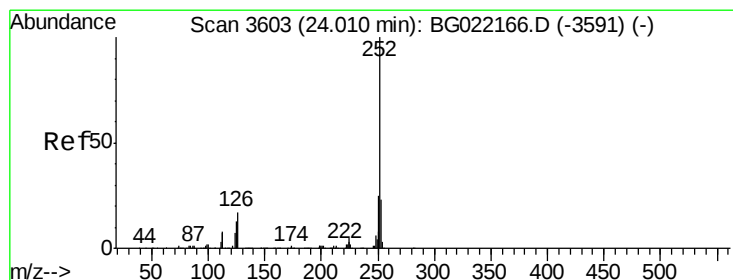
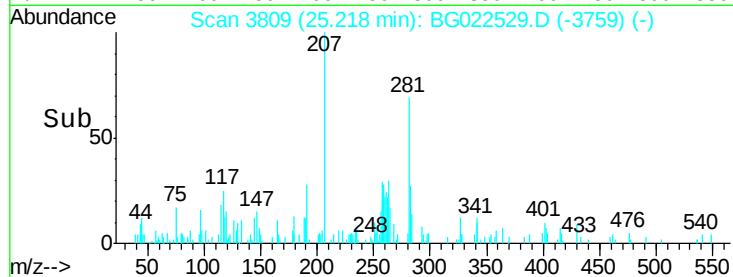
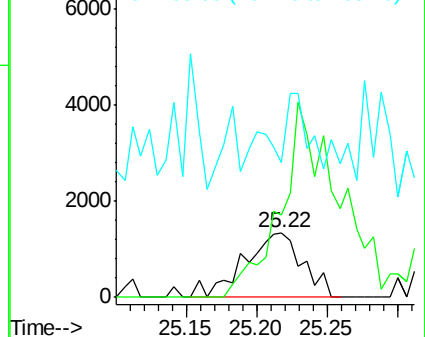
265 208.4 18.9 28.3#



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



#87

Benzo(b)fluoranthene

Concen: 3.99 ng

RT: 24.17 min Scan# 3630

Delta R.T. 0.01 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

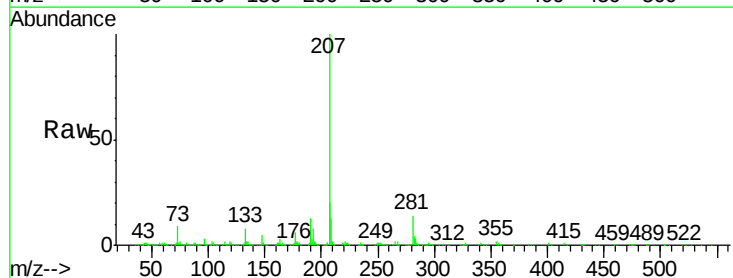
Tgt Ion:252 Resp: 917

Ion Ratio Lower Upper

252 100

253 78.3 18.9 28.3#

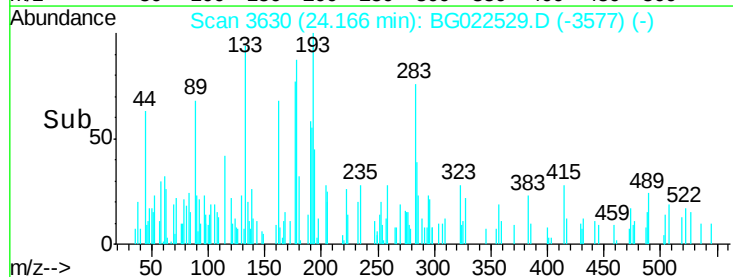
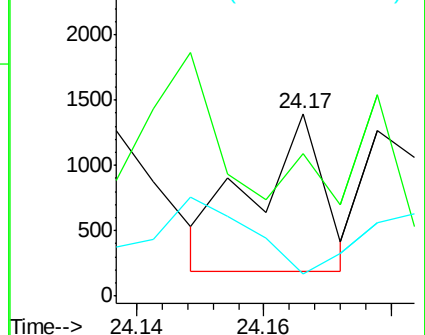
125 11.8 3.9 5.9#

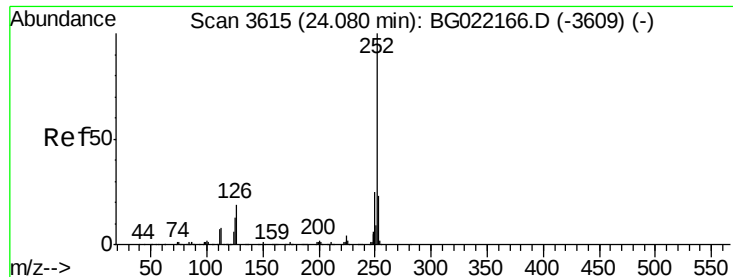


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

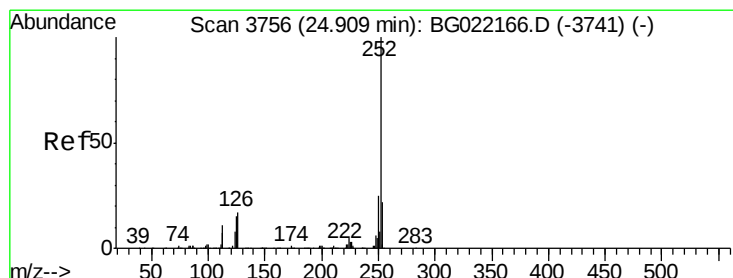
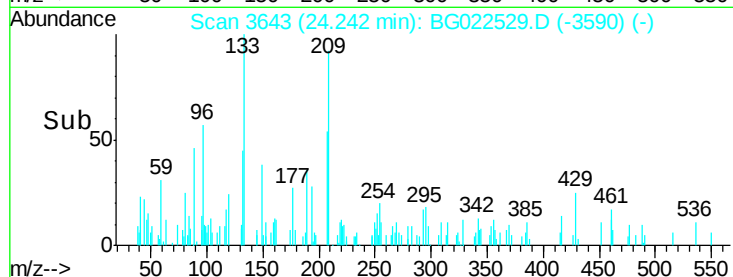
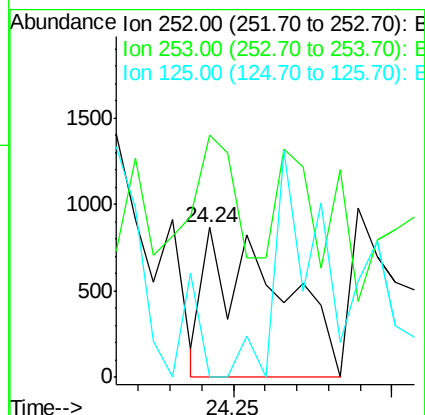
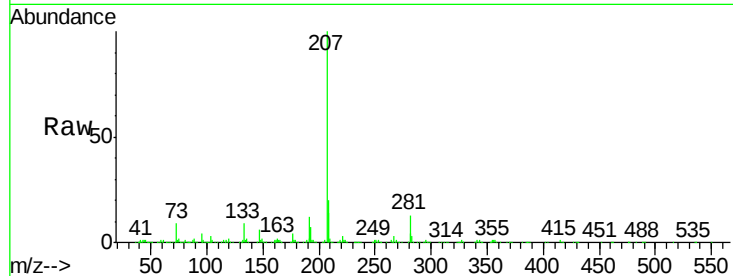




#88
Benzo(k)fluoranthene
Concen: 6.41 ng
RT: 24.24 min Scan# 3643
Delta R.T. 0.01 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

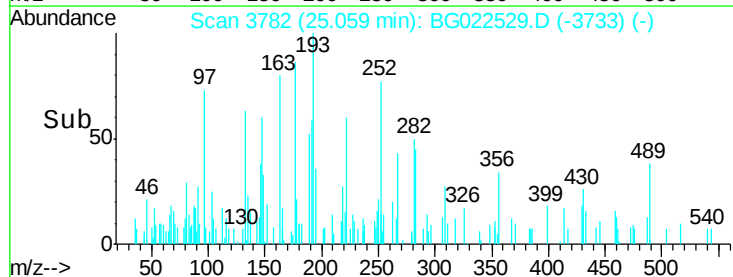
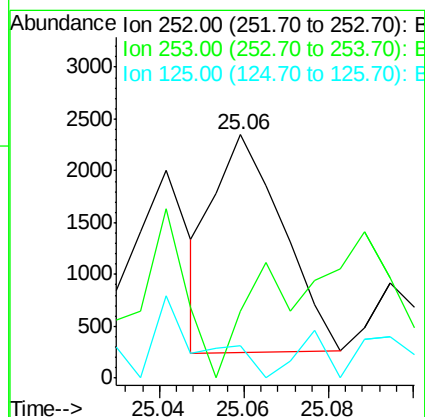
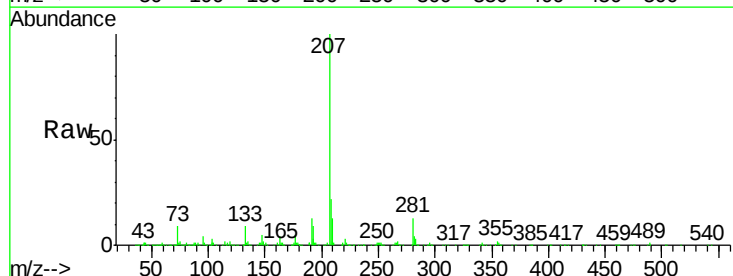
Instrument :
BNA_G
ClientSampled :

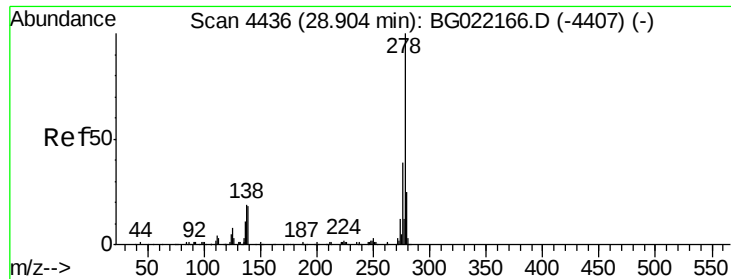
Tot Ion:252 Resp: 1394
Ion Ratio Lower Upper
252 100
253 162.0 18.8 28.2#
125 0.0 3.2 4.8#



#89
Benzo(a)pyrene
Concen: 10.96 ng
RT: 25.06 min Scan# 3782
Delta R.T. -0.01 min
Lab File: BG022529.D
Acq: 24 Jun 2016 7:34

Tgt Ion:252 Resp: 2386
Ion Ratio Lower Upper
252 100
253 27.5 18.7 28.1
125 13.2 3.9 5.9#





#90

Dibenzo(a,h)anthracene

Concen: 5.37 ng

RT: 29.18 min Scan# 4484

Delta R.T. 0.02 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Instrument :

BNA_G

ClientSampleId :

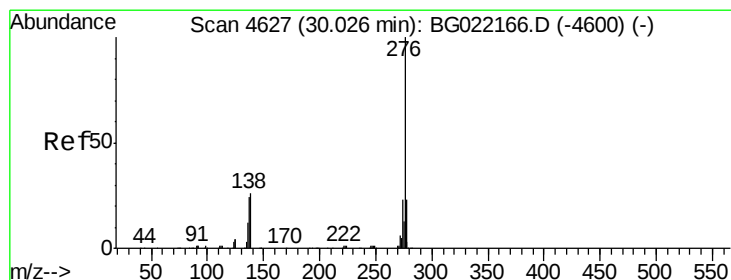
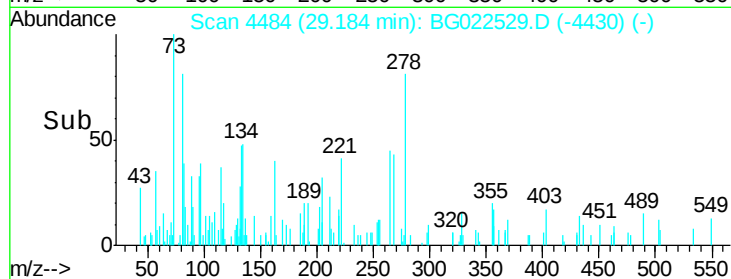
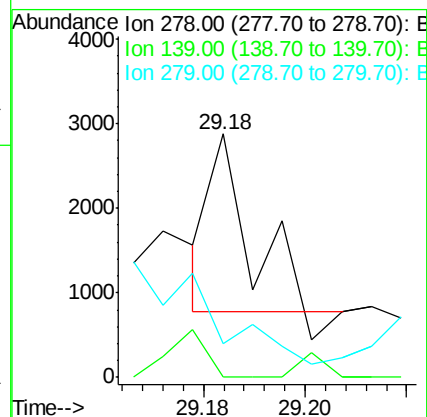
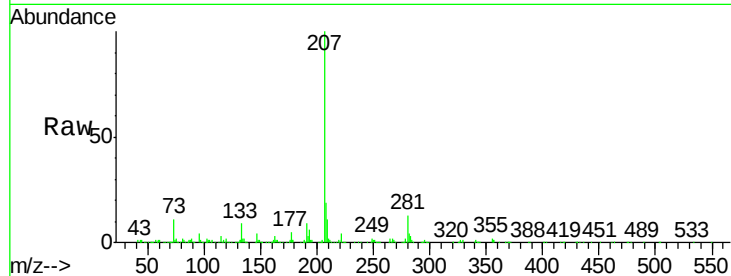
Tot Ion:278 Resp: 1095

Ion Ratio Lower Upper

278 100

139 0.0 4.7 7.1#

279 13.9 18.3 27.5#



#91

Benzo(g,h,i)perylene

Concen: 15.86 ng

RT: 30.27 min Scan# 4669

Delta R.T. -0.03 min

Lab File: BG022529.D

Acq: 24 Jun 2016 7:34

Tgt Ion:276 Resp: 3273

Ion Ratio Lower Upper

276 100

277 13.3 18.6 27.8#

138 14.2 6.8 10.2#

