

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092317\
 Data File : BG028904.D
 Acq On : 23 Sep 2017 18:58
 Operator : SJ/JU
 Sample : I5331-09RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 25 01:00:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

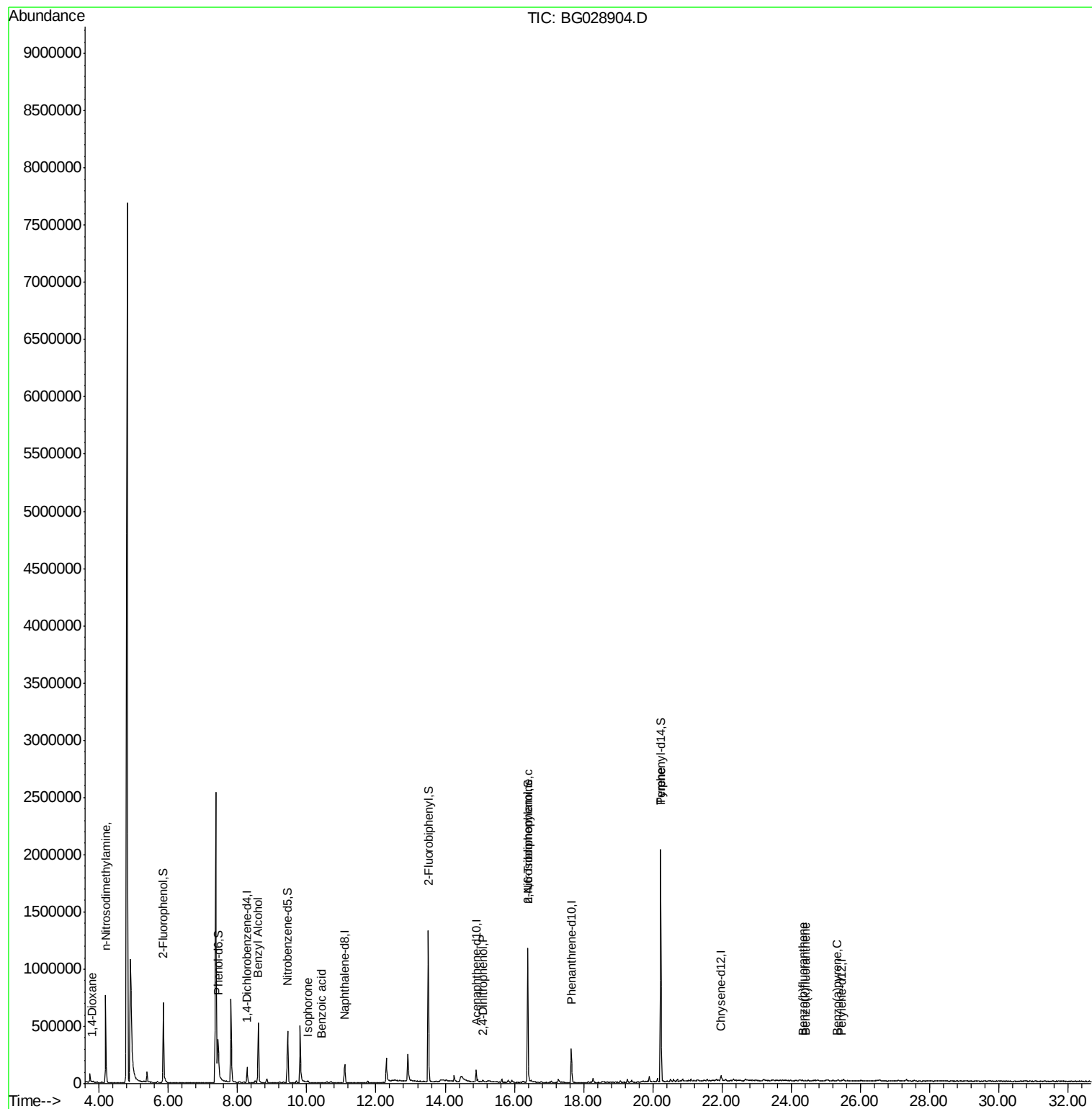
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	34483	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	138460	20.00	ng	-0.05
38) Acenaphthene-d10	14.89	164	28022	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	130441	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	13215	20.00	ng	-0.06
86) Perylene-d12	25.45	264	62	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	302090	144.55	ng	-0.05
7) Phenol-d6	7.44	99	149559	47.53	ng	-0.05
23) Nitrobenzene-d5	9.45	82	291813	100.82	ng	-0.06
41) 2,4,6-Tribromophenol	16.39	330	263650	568.87	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	724891	344.94	ng	-0.05
78) Terphenyl-d14	20.23	244	572548	923.95	ng	-0.05
Target Compounds						
2) 1,4-Dioxane	3.80	88	4055	4.79	ng	# 41
4) n-Nitrosodimethylamine	4.19	42	18774	17.10	ng	# 1
15) Benzyl Alcohol	8.61	79	5517	2.25	ng	# 59
25) Isophorone	10.05	82	12443	2.12	ng	# 91
32) Benzoic acid	10.43	122	58	6.11	ng	# 27
53) 2,4-Dinitrophenol	15.08	184	88	8.29	ng	# 15
65) n-Nitrosodiphenylamine	16.39	169	8106	2.17	ng	# 53
77) Pyrene	20.23	202	2564	3.36	ng	# 58
87) Benzo(b)fluoranthene	24.33	252	243	65.42	ng	# 54
88) Benzo(k)fluoranthene	24.42	252	146	39.35	ng	# 56
89) Benzo(a)pyrene	25.33	252	60	17.02	ng	# 58

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

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Quant Time: Sep 25 01:00:45 2017
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.28 min Scan# 798

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

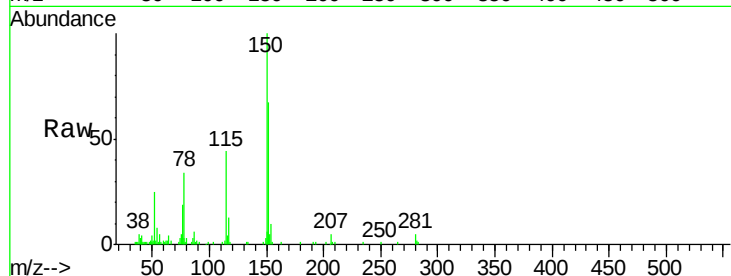
Tot Ion:152 Resp: 34483

Ion Ratio Lower Upper

152 100

150 148.5 114.0 171.0

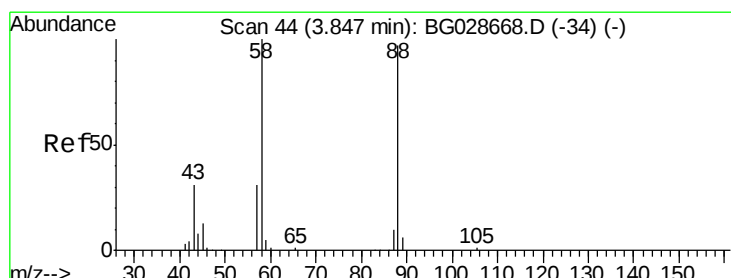
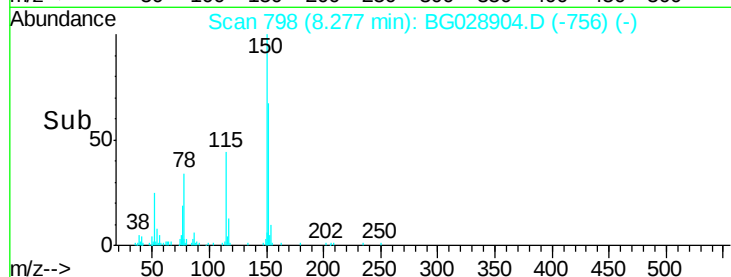
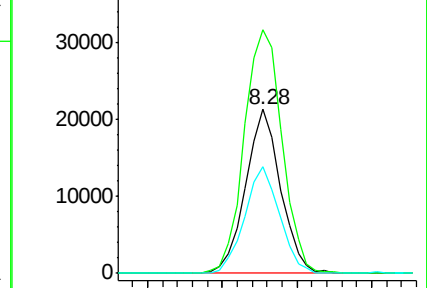
115 64.8 48.1 72.1



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: 4.79 ng

RT: 3.80 min Scan# 36

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

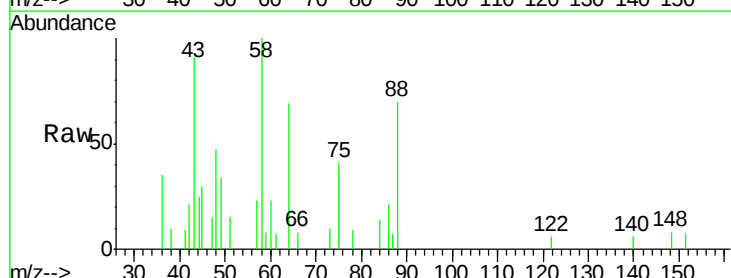
Tgt Ion: 88 Resp: 4055

Ion Ratio Lower Upper

88 100

58 153.9 79.4 119.2#

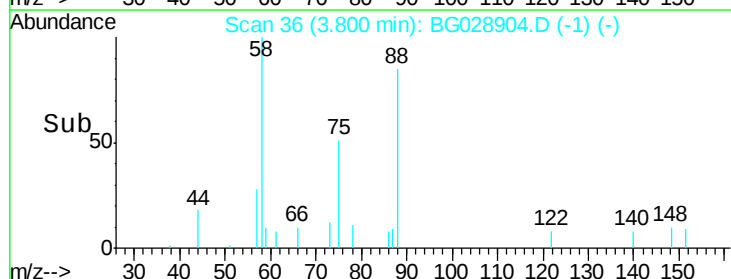
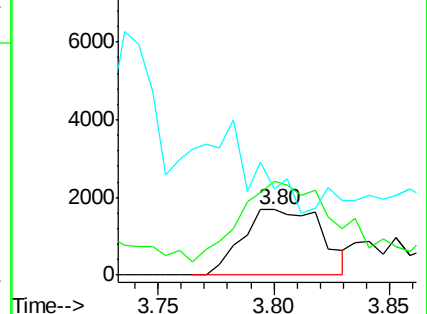
43 85.7 33.8 50.6#

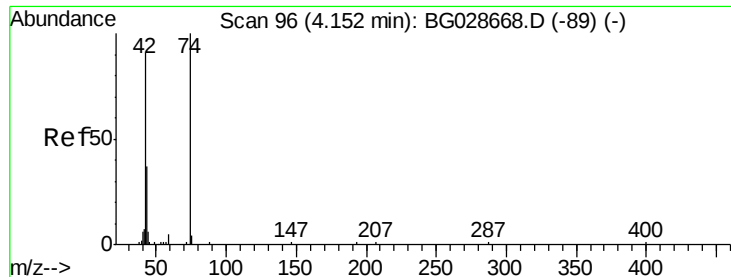


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 17.10 ng

RT: 4.19 min Scan# 103

Delta R.T. 0.04 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

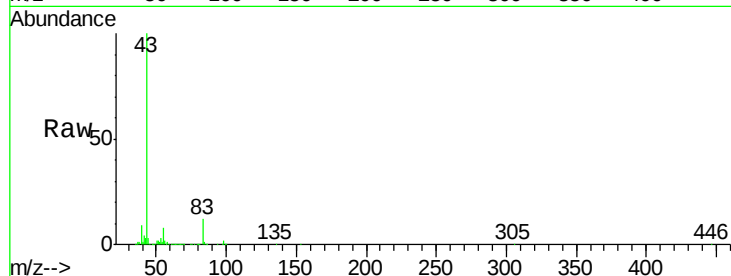
Tot Ion: 42 Resp: 18774

Ion Ratio Lower Upper

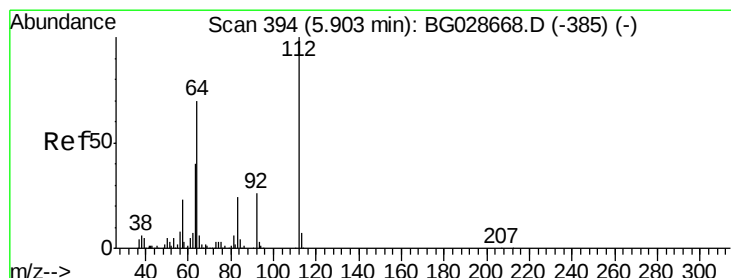
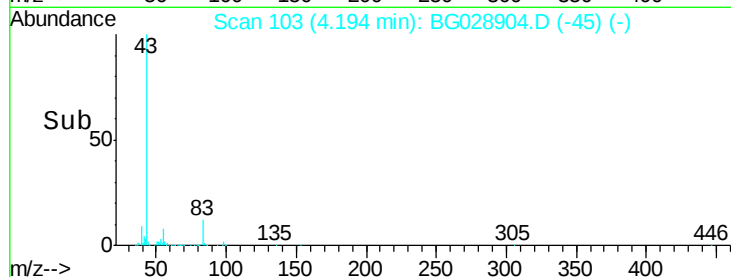
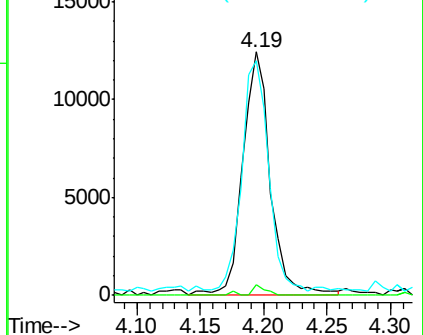
42 100

74 4.2 76.7 115.1#

44 96.3 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 144.55 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

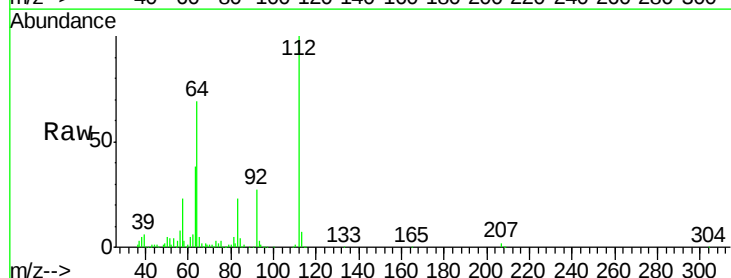
Tgt Ion: 112 Resp: 302090

Ion Ratio Lower Upper

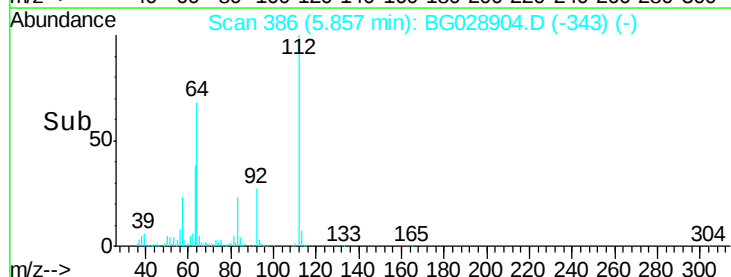
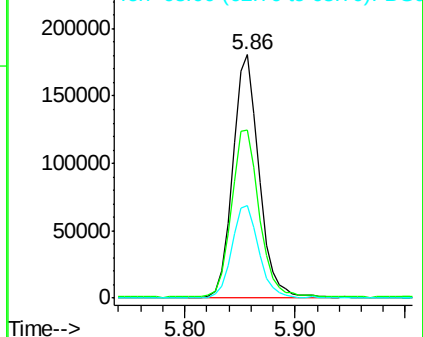
112 100

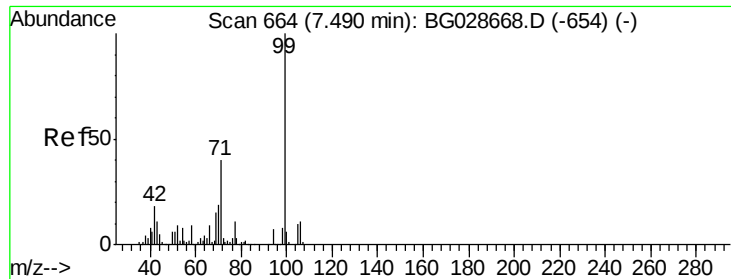
64 68.9 61.8 92.6

63 38.0 37.2 55.8



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





#7

Phenol-d6

Concen: 47.53 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampled :

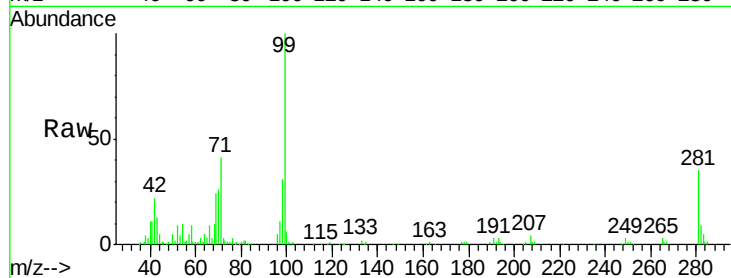
Tot Ion: 99 Resp: 149559

Ion Ratio Lower Upper

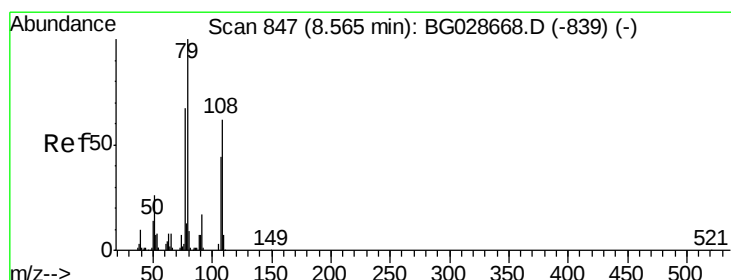
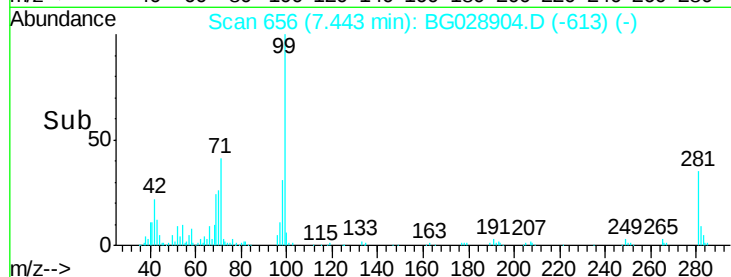
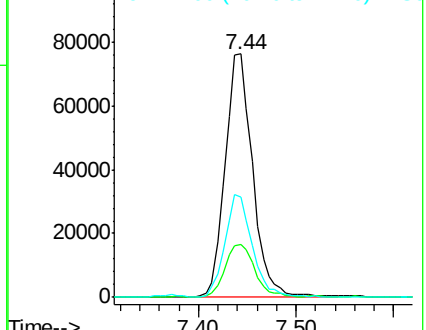
99 100

42 21.6 20.5 30.7

71 41.0 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 8.61 min Scan# 854

Delta R.T. 0.04 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

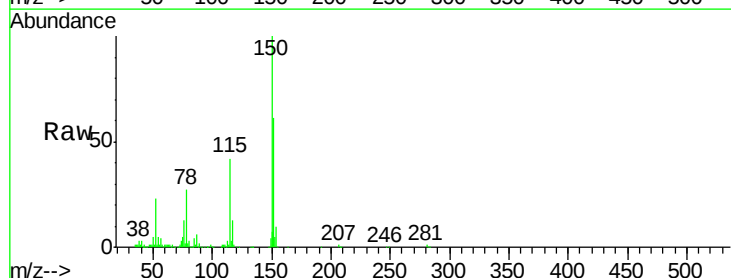
Tgt Ion: 79 Resp: 5517

Ion Ratio Lower Upper

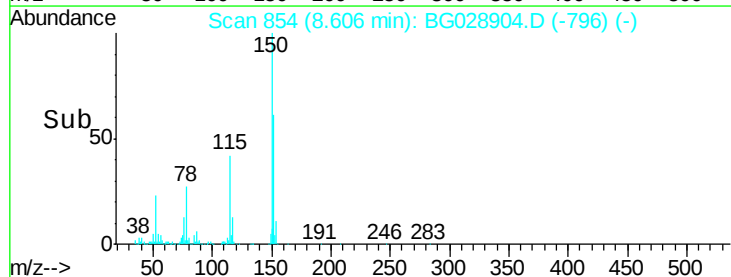
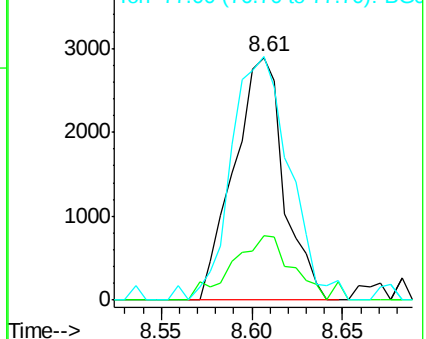
79 100

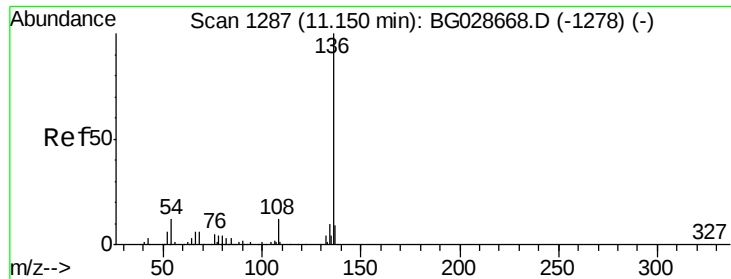
108 26.5 45.5 68.3#

77 100.2 54.3 81.5#



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

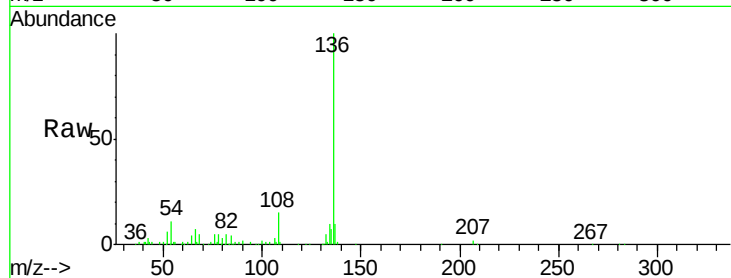




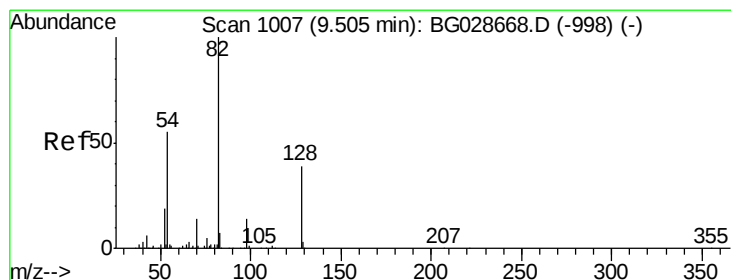
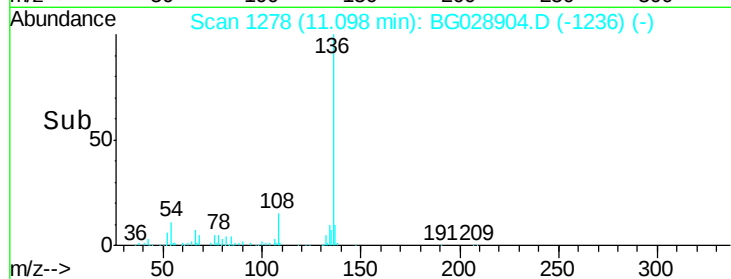
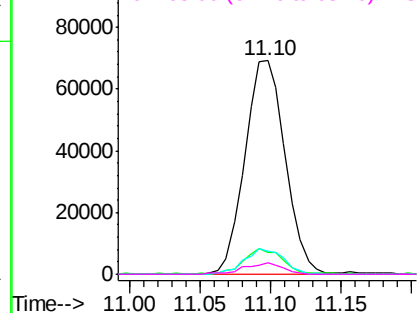
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1278
Delta R.T. -0.05 min
Lab File: BG028904.D
Acq: 23 Sep 2017 18:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	138460
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	10.9	9.3 13.9
68	5.2	5.1 7.7

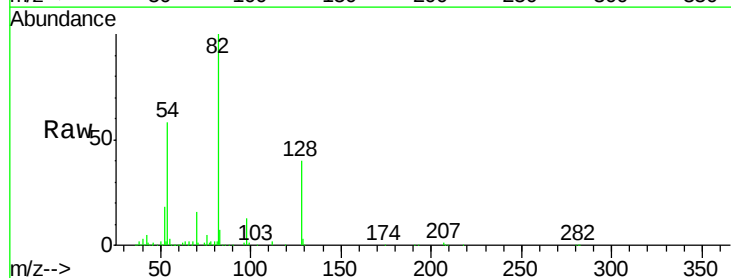


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

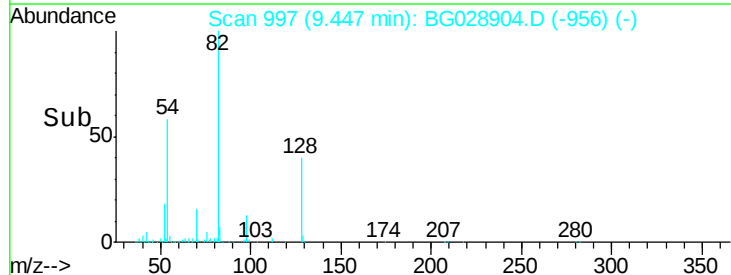
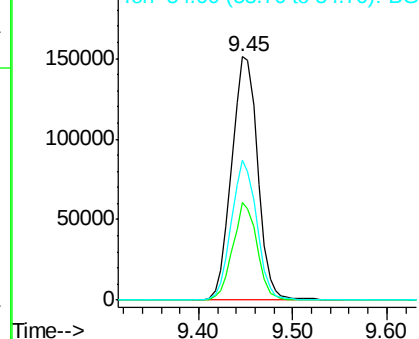


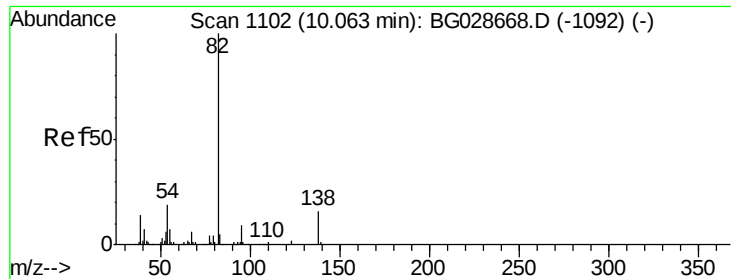
#23
Nitrobenzene-d5
Concen: 100.82 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028904.D
Acq: 23 Sep 2017 18:58

Tgt Ion: 82	Resp:	291813
Ion	Ratio	Lower Upper
82	100	
128	40.0	26.4 39.6#
54	57.7	49.4 74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#25

Isophorone

Concen: 2.12 ng

RT: 10.05 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

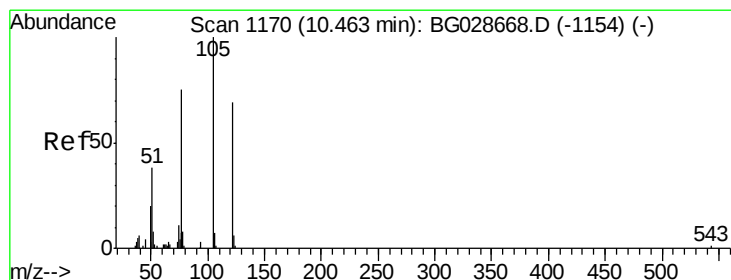
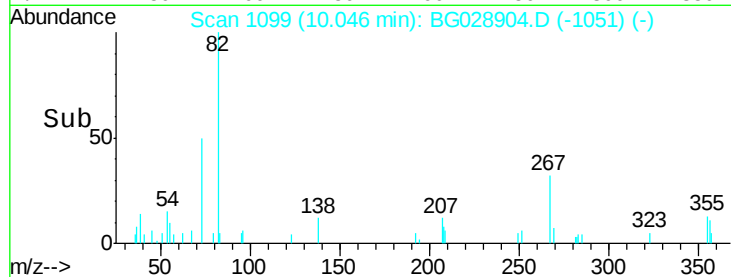
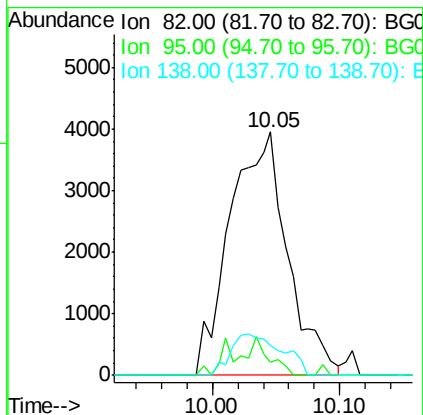
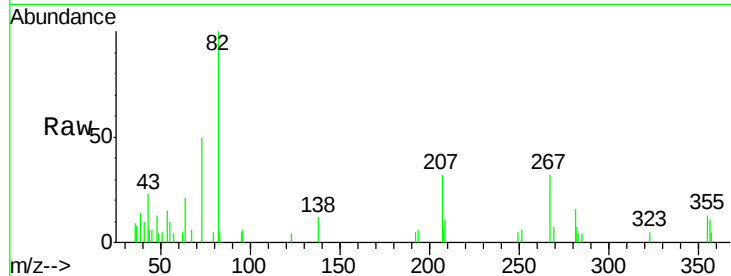
Tot Ion: 82 Resp: 12443

Ion Ratio Lower Upper

82 100

95 5.3 7.5 11.3#

138 12.4 12.3 18.5



#32

Benzoic acid

Concen: 6.11 ng

RT: 10.43 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

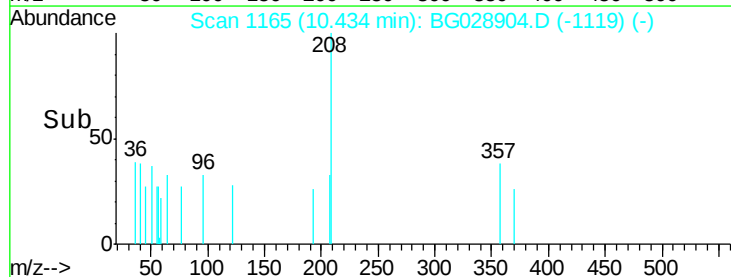
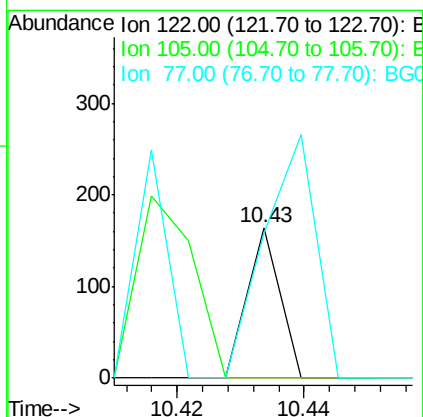
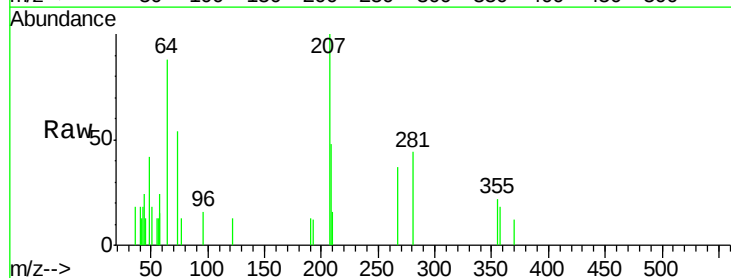
Tgt Ion: 122 Resp: 58

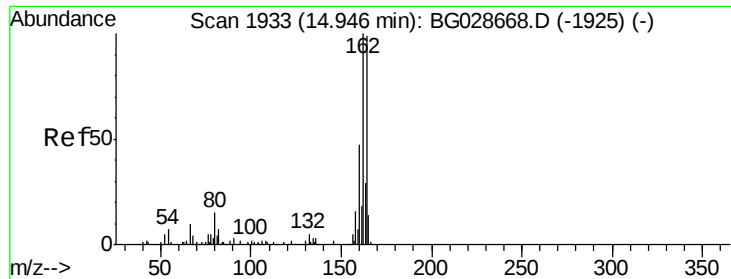
Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

77 96.3 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.89 min Scan# 1924

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

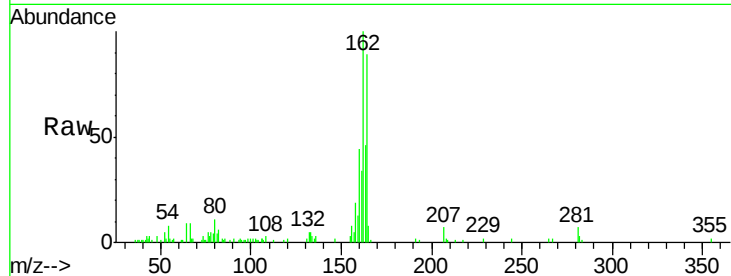
Tot Ion:164 Resp: 28022

Ion Ratio Lower Upper

164 100

162 112.1 85.1 127.7

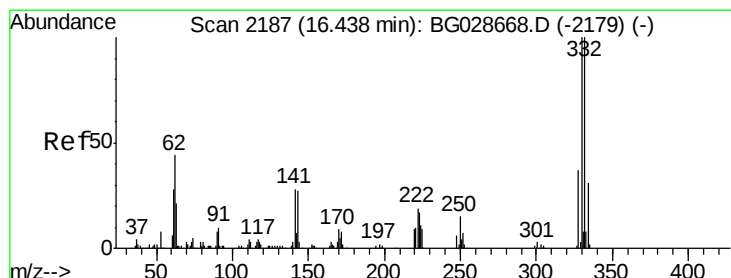
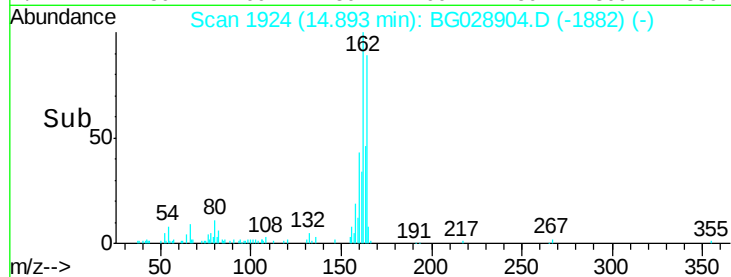
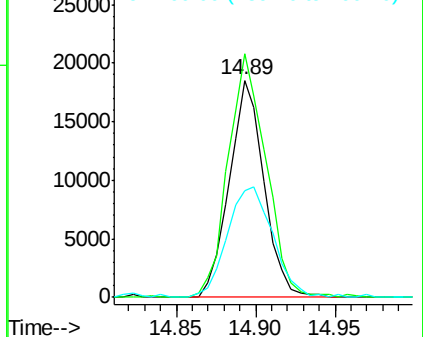
160 49.3 34.7 52.1



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: 568.87 ng

RT: 16.39 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

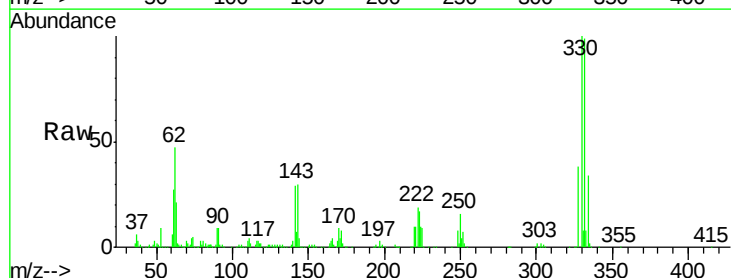
Tgt Ion:330 Resp: 263650

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

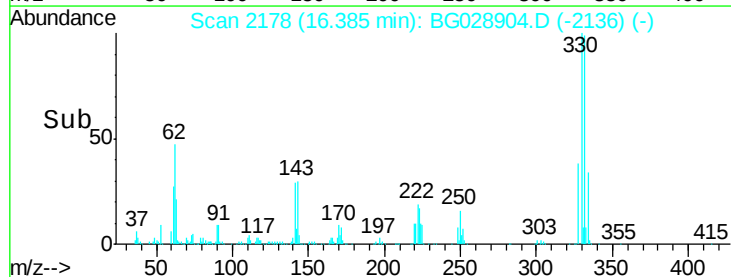
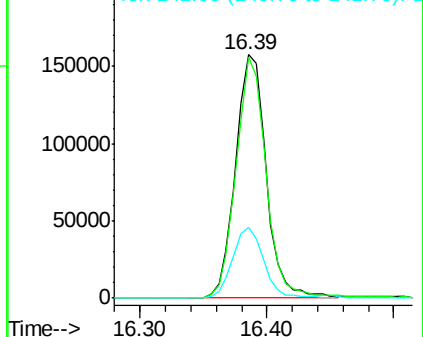
141 29.6 32.1 48.1#

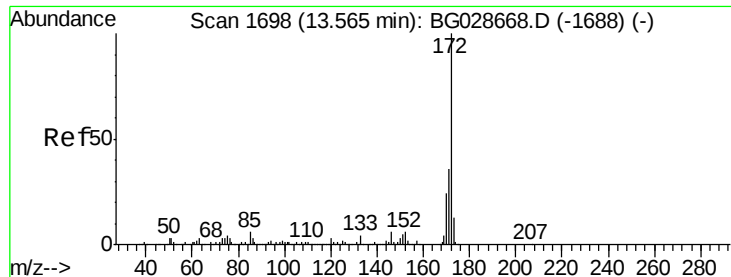


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

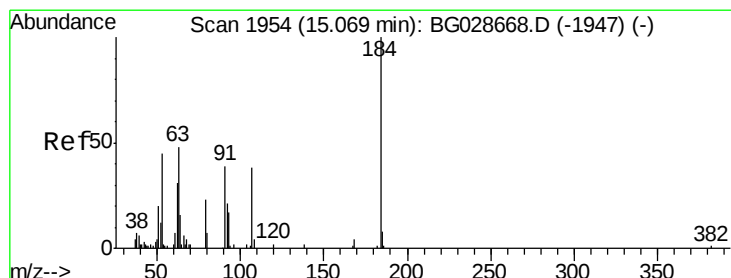
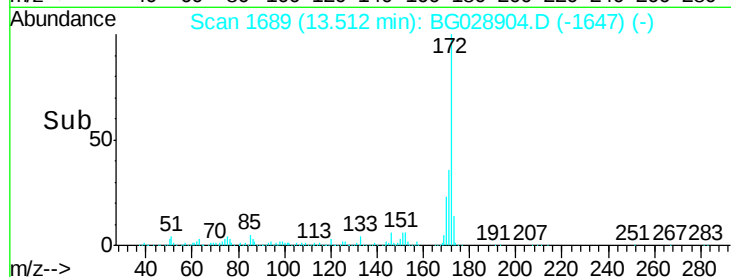
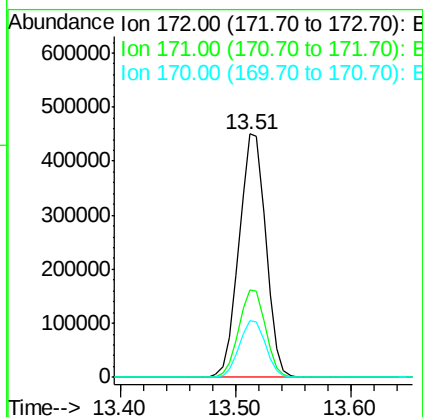
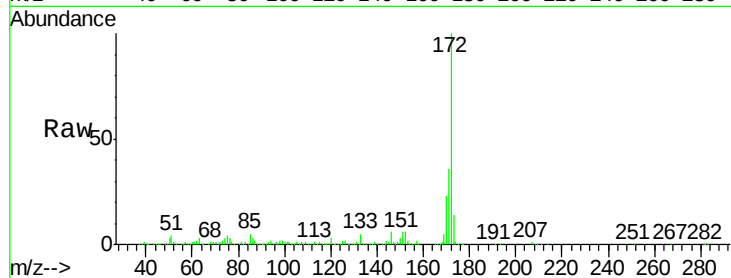




#44
2-Fluorobiphenyl
Concen: 344.94 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.05 min
Lab File: BG028904.D
Acq: 23 Sep 2017 18:58

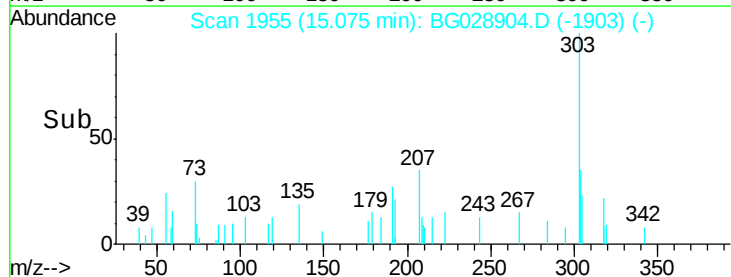
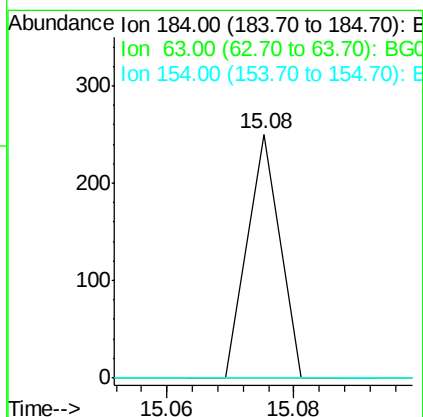
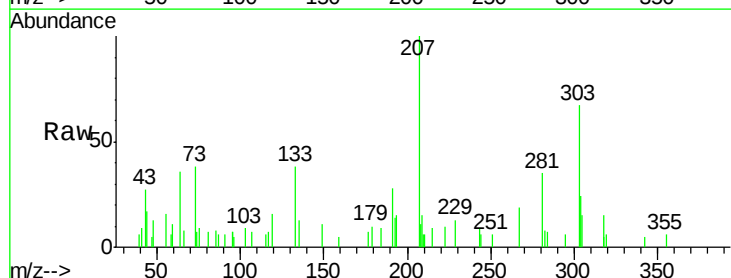
Instrument :
BNA_G
ClientSampleId :

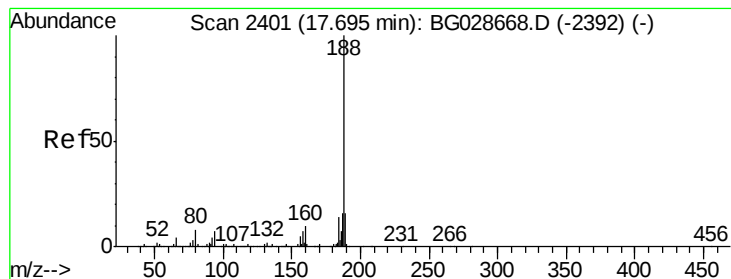
Tot Ion:172 Resp: 724891
Ion Ratio Lower Upper
172 100
171 36.1 32.2 48.2
170 23.3 21.8 32.6



#53
2,4-Dinitrophenol
Concen: 8.29 ng
RT: 15.08 min Scan# 1955
Delta R.T. 0.01 min
Lab File: BG028904.D
Acq: 23 Sep 2017 18:58

Tgt Ion:184 Resp: 88
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.64 min Scan# 2392

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

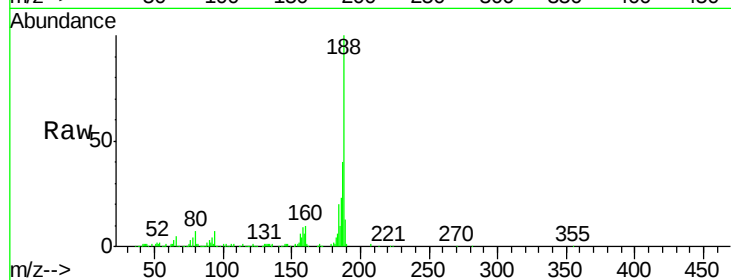
Tot Ion:188 Resp: 130441

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

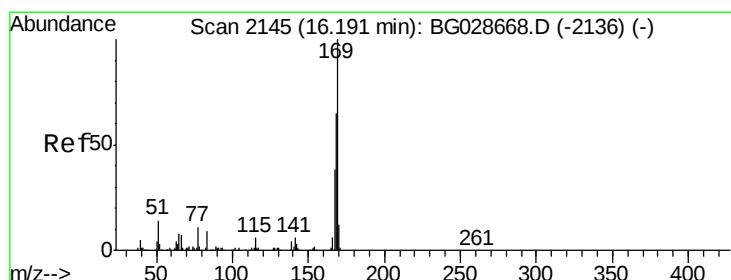
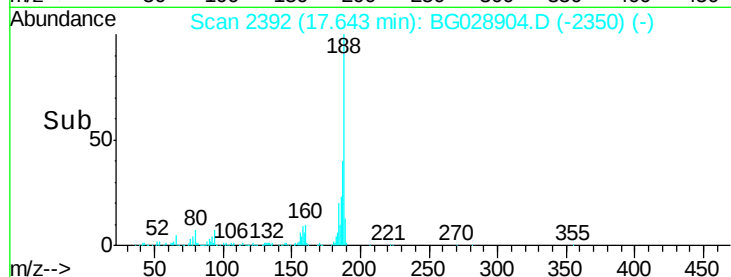
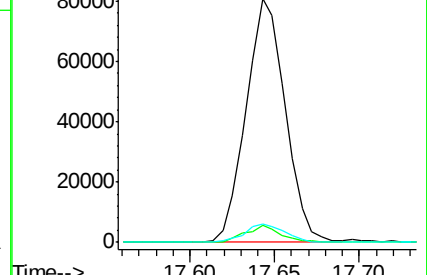
80 7.3 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

n-Nitrosodiphenylamine

Concen: 2.17 ng

RT: 16.39 min Scan# 2178

Delta R.T. 0.19 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

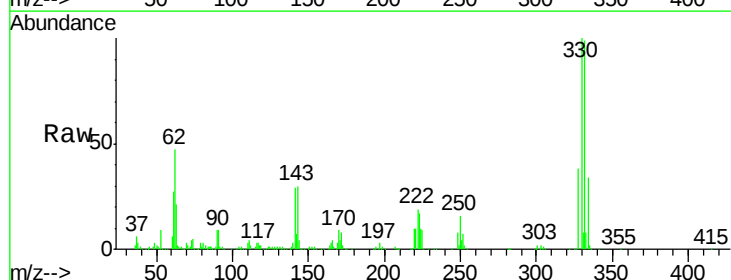
Tgt Ion:169 Resp: 8106

Ion Ratio Lower Upper

169 100

168 14.0 55.7 83.5#

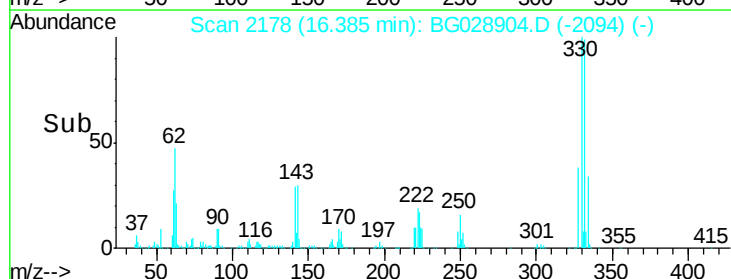
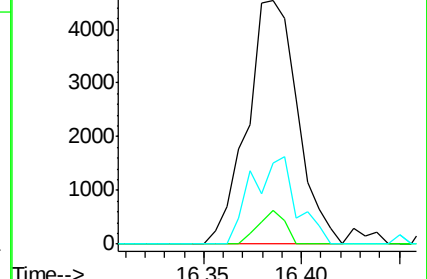
167 33.1 29.8 44.6

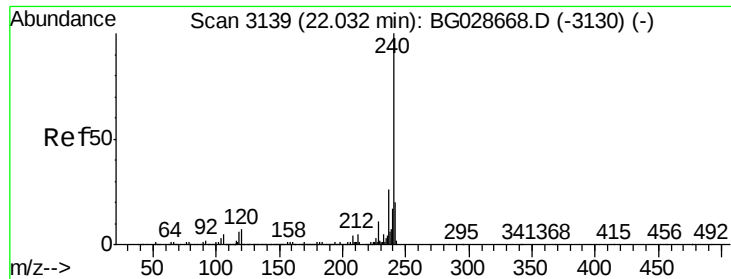


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.06 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

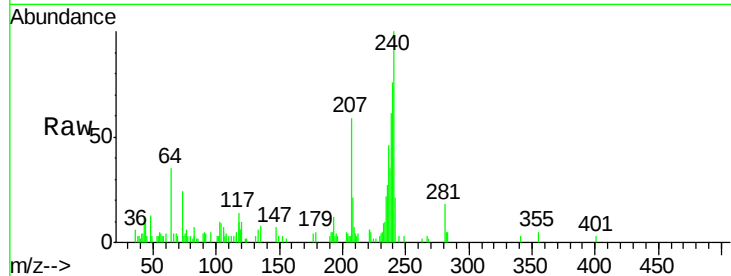
Tot Ion:240 Resp: 13215

Ion Ratio Lower Upper

240 100

120 10.4 5.7 8.5#

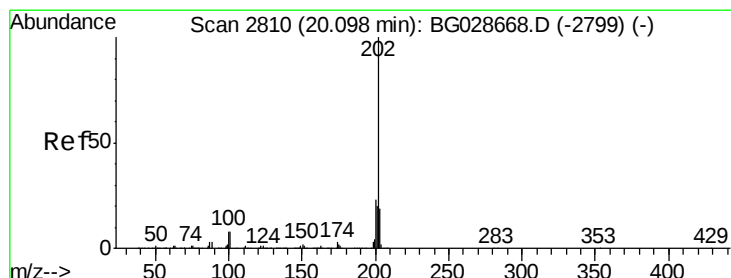
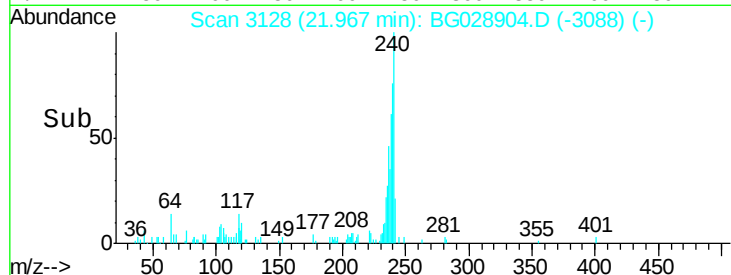
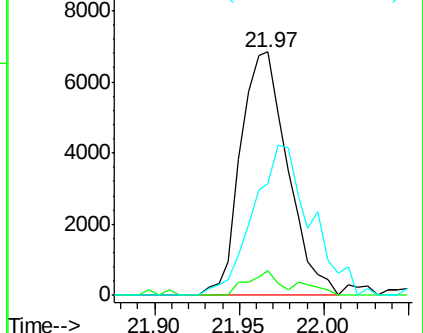
236 45.8 22.2 33.4#



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



#77

Pyrene

Concen: 3.36 ng

RT: 20.23 min Scan# 2832

Delta R.T. 0.13 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

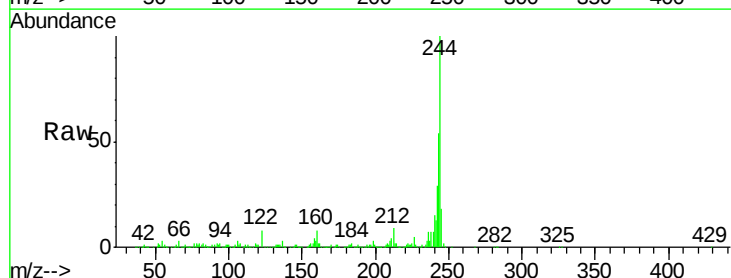
Tgt Ion:202 Resp: 2564

Ion Ratio Lower Upper

202 100

200 58.4 19.6 29.4#

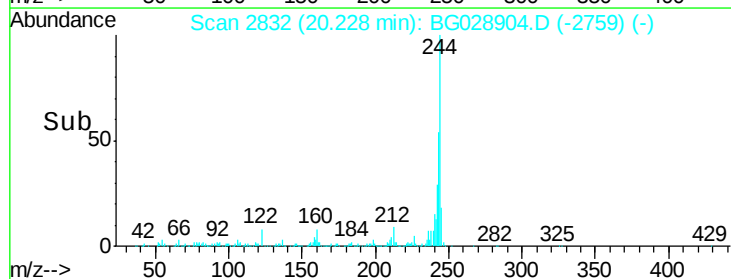
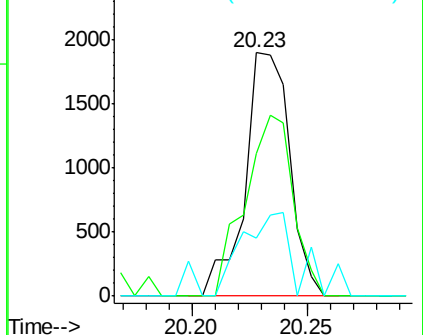
203 23.9 15.8 23.8#

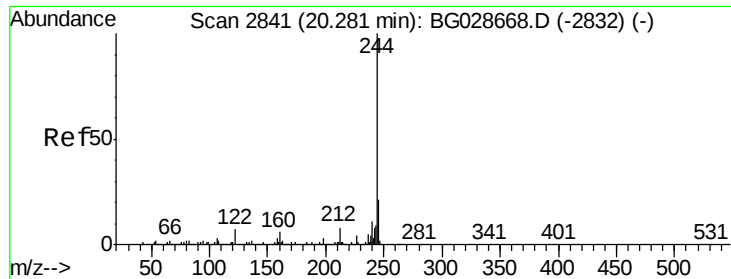


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 923.95 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampleId :

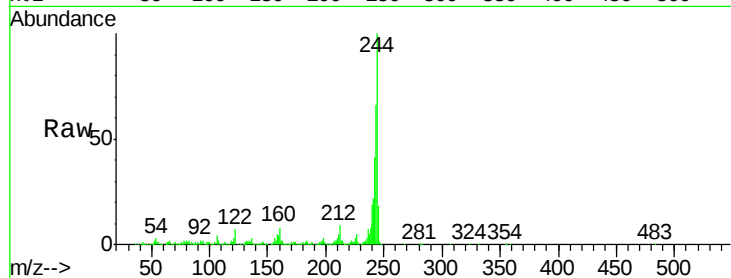
Tot Ion:244 Resp: 572548

Ion Ratio Lower Upper

244 100

212 8.6 10.0 15.0#

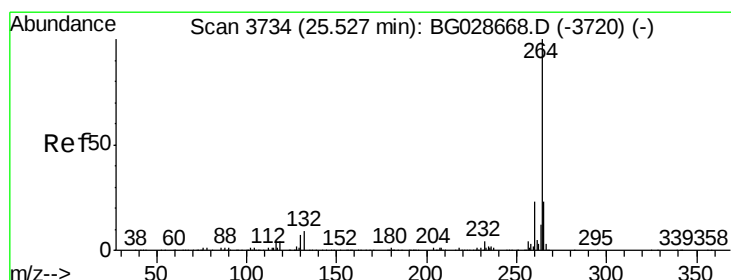
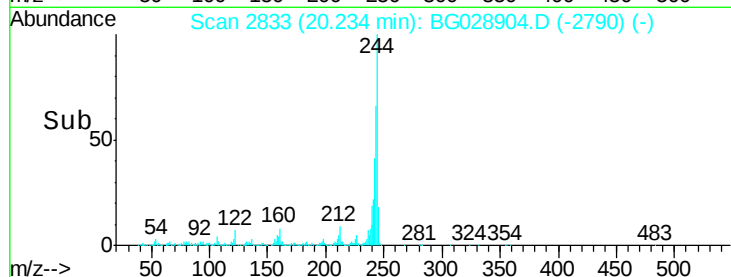
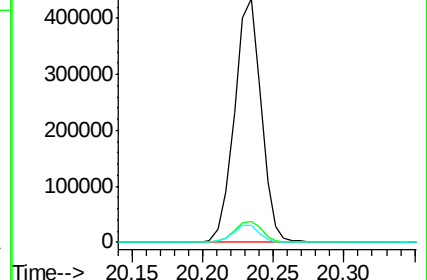
122 6.8 8.6 12.8#



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: 25.45 min Scan# 3721

Delta R.T. -0.08 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

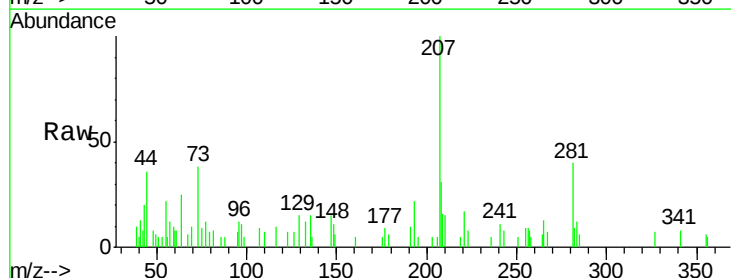
Tgt Ion:264 Resp: 62

Ion Ratio Lower Upper

264 100

260 0.0 21.8 32.8#

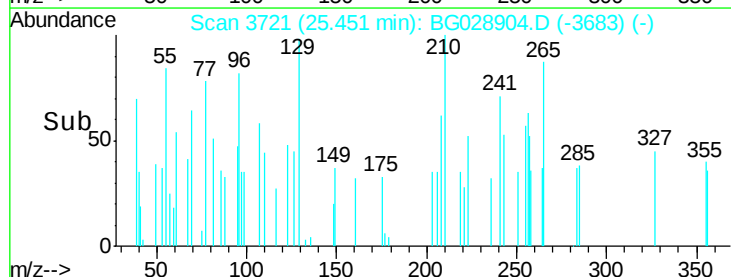
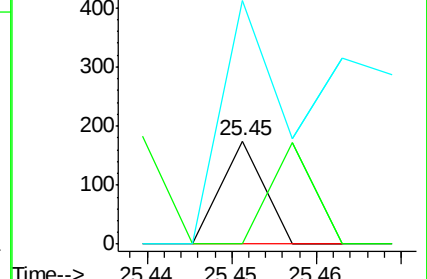
265 235.4 18.2 27.4#

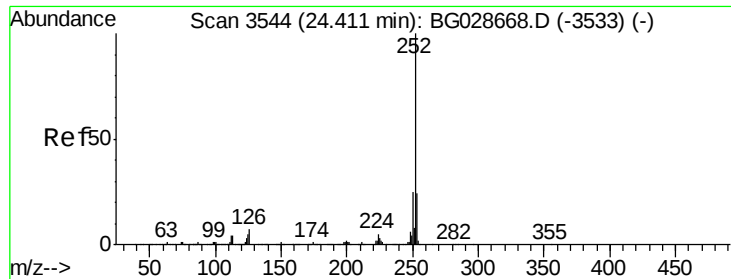


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 65.42 ng

RT: 24.33 min Scan# 3531

Delta R.T. -0.08 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

Instrument :

BNA_G

ClientSampled :

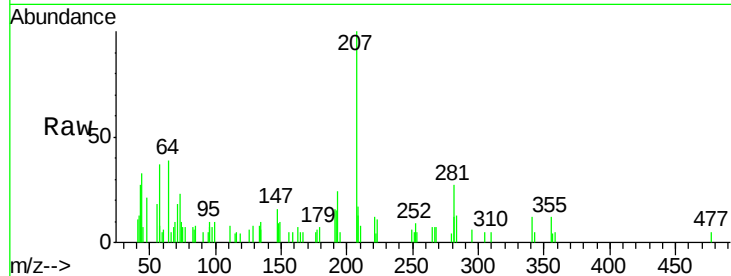
Tot Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

253 49.4 18.7 28.1#

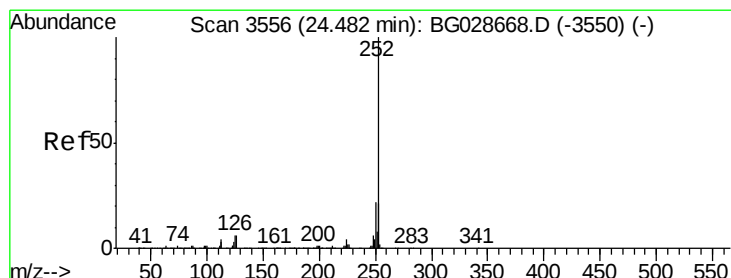
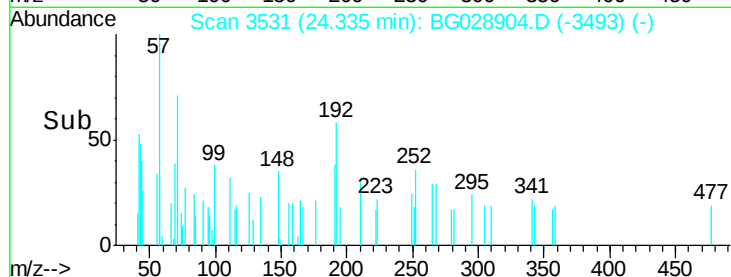
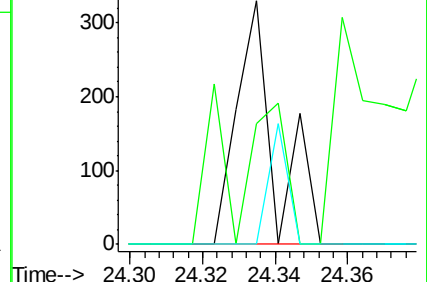
125 0.0 5.3 7.9#



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: 39.35 ng

RT: 24.42 min Scan# 3545

Delta R.T. -0.06 min

Lab File: BG028904.D

Acq: 23 Sep 2017 18:58

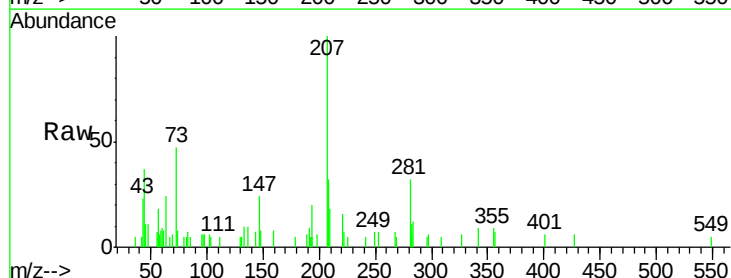
Tgt Ion:252 Resp: 146

Ion Ratio Lower Upper

252 100

253 0.0 20.2 30.2#

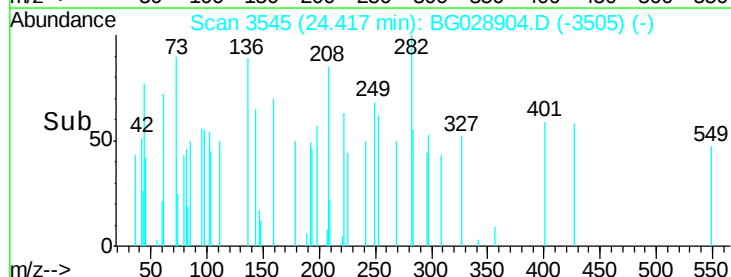
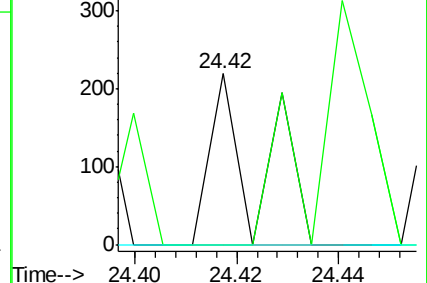
125 0.0 5.1 7.7#

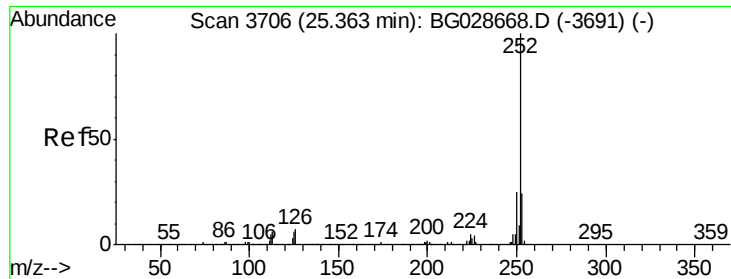


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 17.02 ng
 RT: 25.33 min Scan# 3701
 Delta R.T. -0.03 min
 Lab File: BG028904.D
 Acq: 23 Sep 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.2	28.8#
125	0.0	5.4	8.0#

