

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032136.D
 Acq On : 18 Jan 2018 13:23
 Operator : SJ/JU
 Sample : J1156-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CW-PH2

Quant Time: Jan 18 14:08:59 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

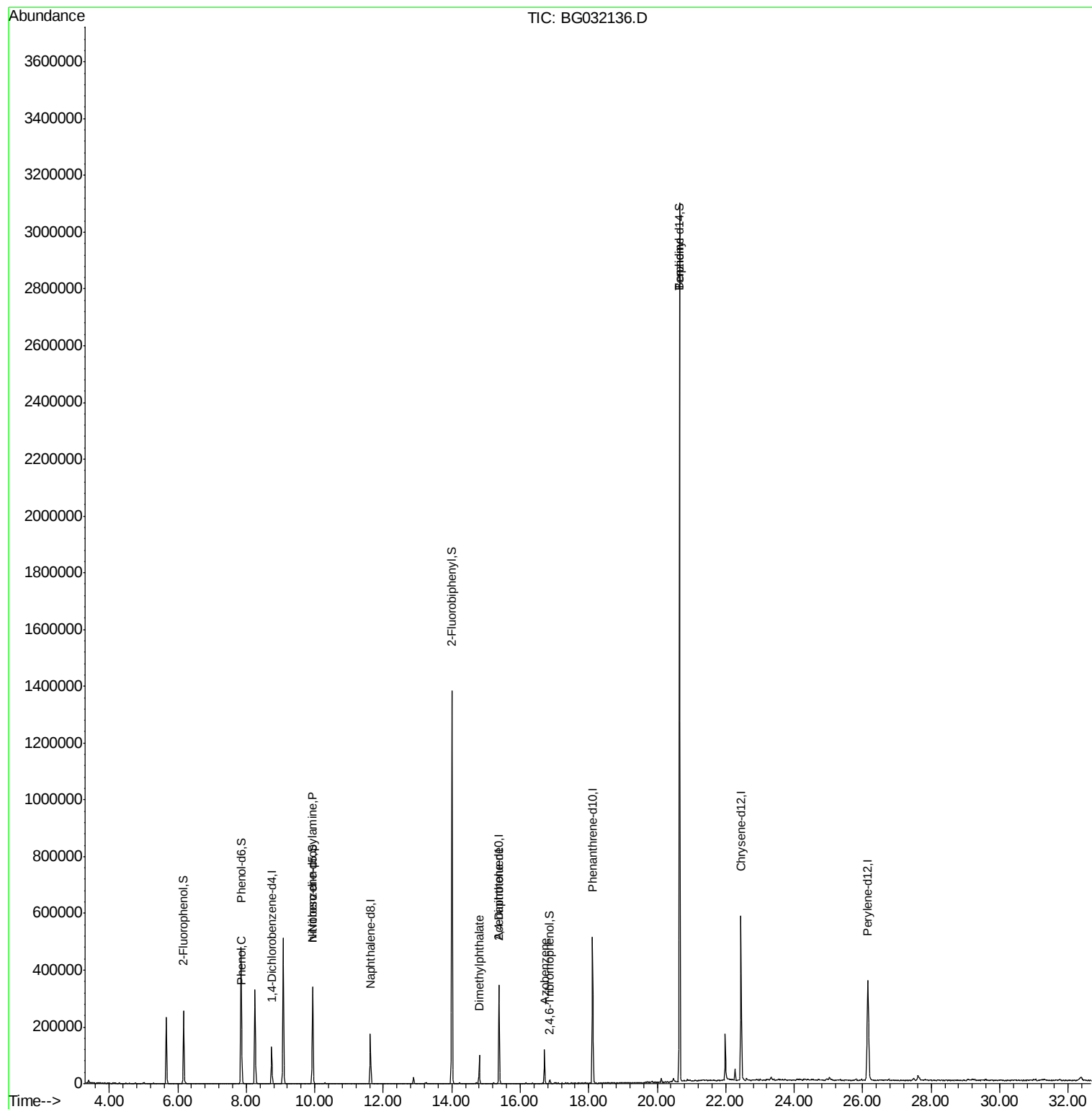
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	43950	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	178220	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	128700	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	355409	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	444324	20.00	ng	-0.03
86) Perylene-d12	26.15	264	479002	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	136786	56.92	ng	-0.02
7) Phenol-d6	7.85	99	305047	100.79	ng	-0.03
23) Nitrobenzene-d5	9.94	82	218492	82.94	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	4877	2.29	ng	-0.02
44) 2-Fluorobiphenyl	14.00	172	812352	78.27	ng	-0.03
78) Terphenyl-d14	20.65	244	1633476	81.17	ng	-0.02
Target Compounds						
10) Phenol	7.87	94	12279	4.119	ng	85
19) n-Nitroso-di-n-propylamine	9.94	70	29963	15.956	ng	# 70
49) Dimethylphthalate	14.80	163	75468	6.701	ng	# 97
56) 2,4-Dinitrotoluene	15.38	165	16210	5.151	ng	# 17
62) Azobenzene	16.71	77	31012	4.538	ng	# 1
76) Benzidine	20.65	184	22544	2.029	ng	# 93

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

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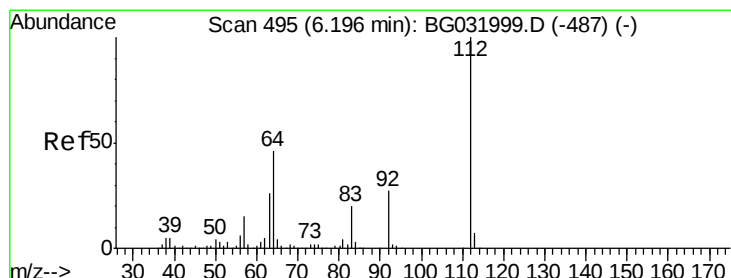
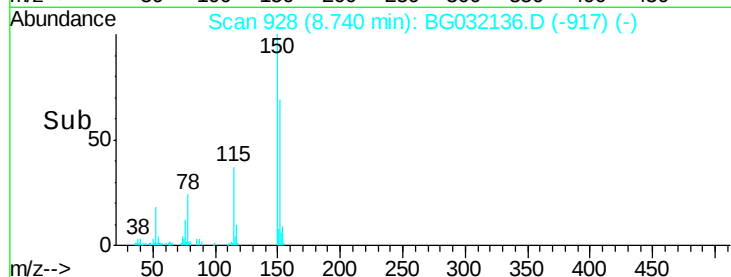
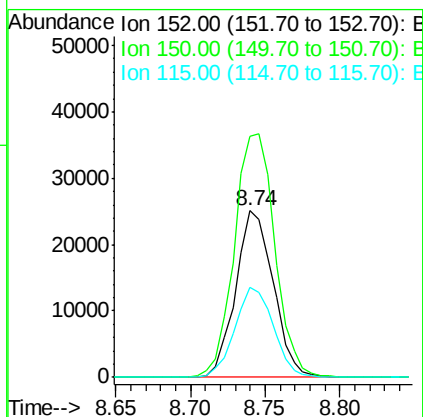
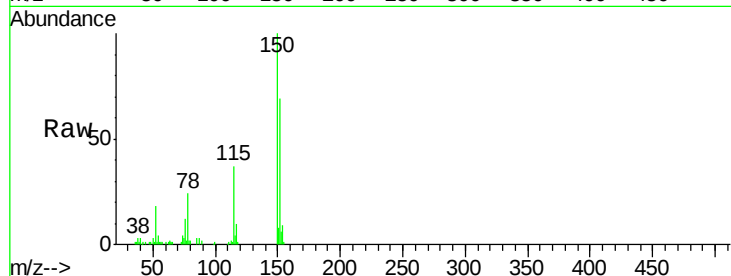


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032136.D
Acq: 18 Jan 2018 13:23

Instrument :
BNA_G
ClientSampleId :
CW-PH2

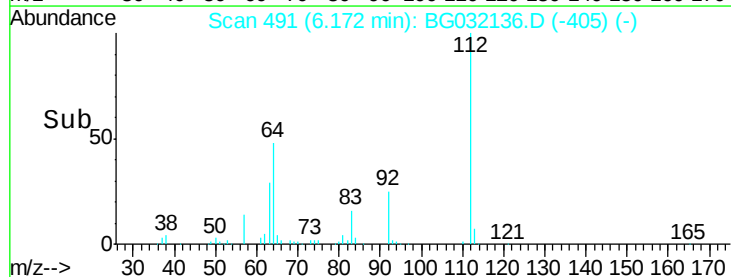
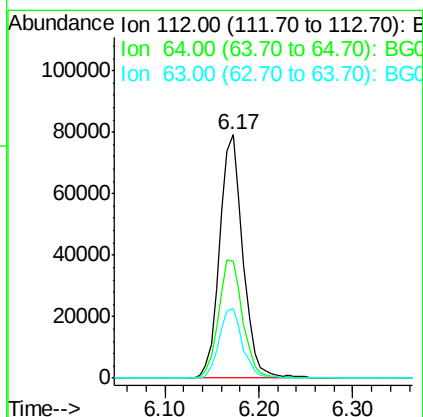
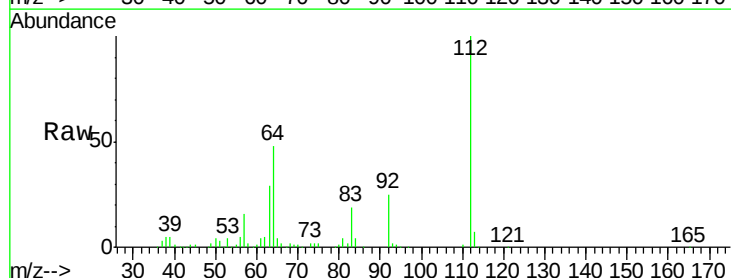
Tgt Ion:152 Resp: 43950
Ion Ratio Lower Upper
152 100
150 144.9 126.6 189.8
115 54.2 53.0 79.4

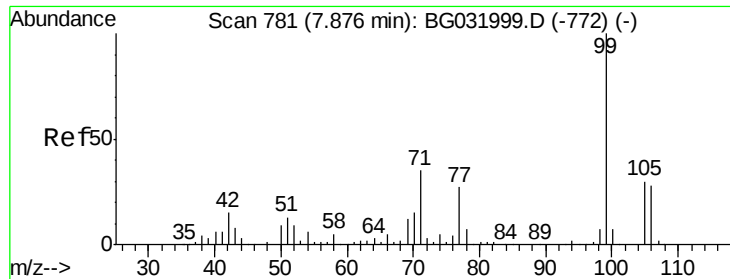


#5

2-Fluorophenol
Concen: 56.922 ng
RT: 6.17 min Scan# 491
Delta R.T. -0.02 min
Lab File: BG032136.D
Acq: 18 Jan 2018 13:23

Tgt Ion:112 Resp: 136786
Ion Ratio Lower Upper
112 100
64 48.2 56.3 84.5#
63 28.6 30.1 45.1#





#7

Phenol-d6

Concen: 100.793 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Instrument :

BNA_G

ClientSampleId :

CW-PH2

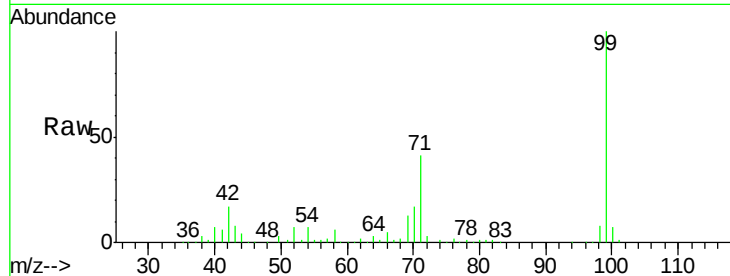
Tgt Ion: 99 Resp: 305047

Ion Ratio Lower Upper

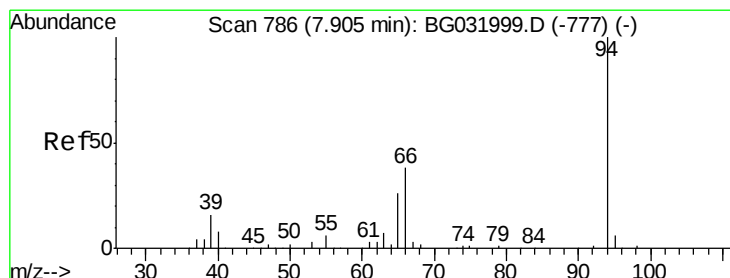
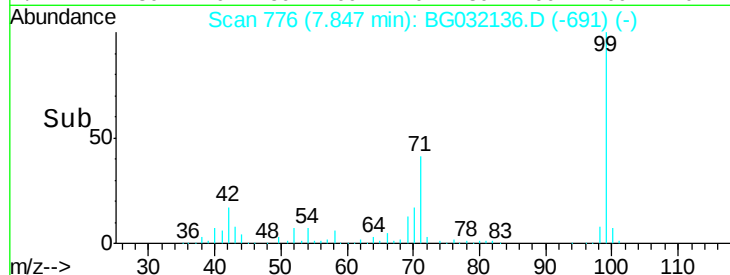
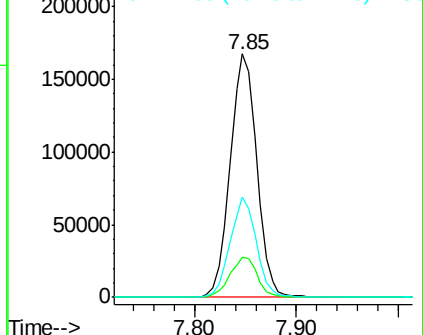
99 100

42 16.6 14.1 21.1

71 41.3 26.1 39.1#



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



#10

Phenol

Concen: 4.119 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.03 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

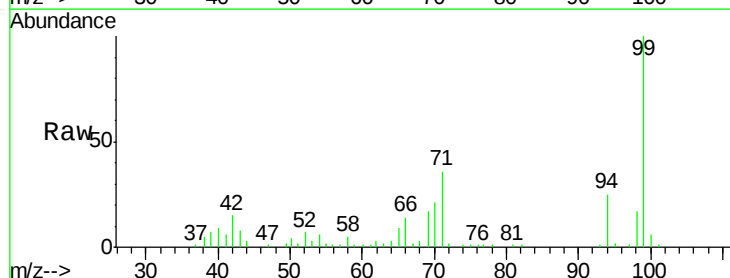
Tgt Ion: 94 Resp: 12279

Ion Ratio Lower Upper

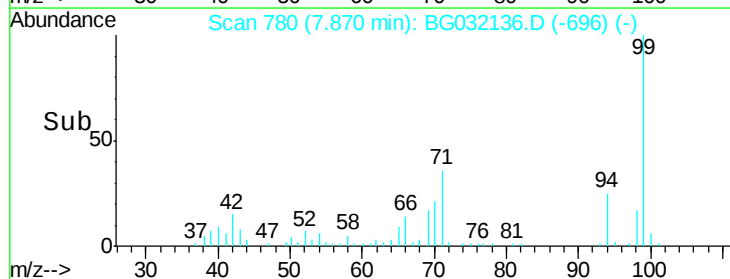
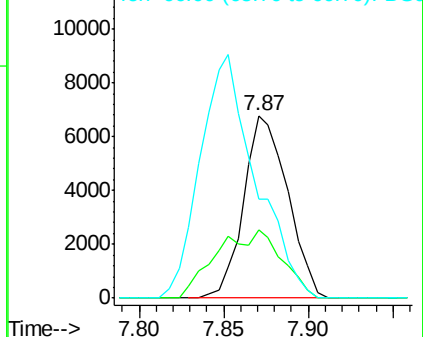
94 100

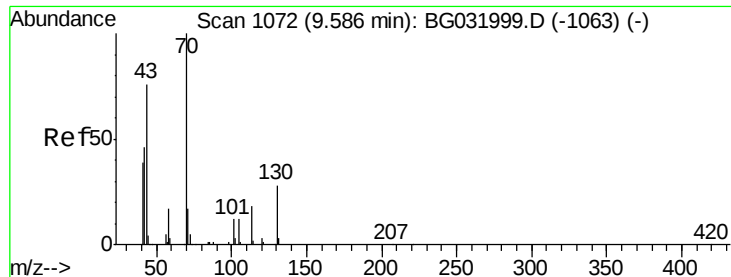
65 37.4 11.9 51.9

66 54.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

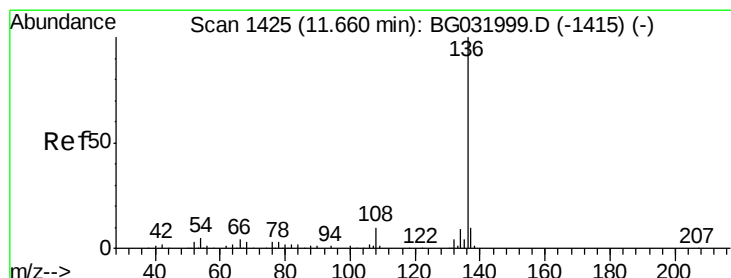
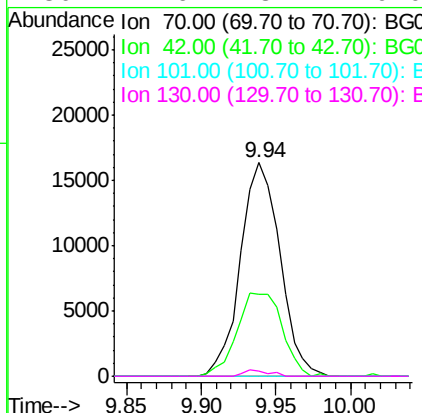
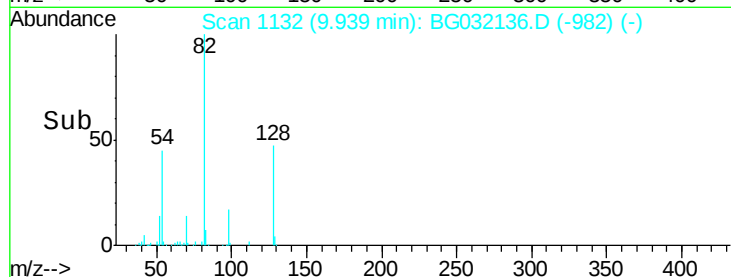
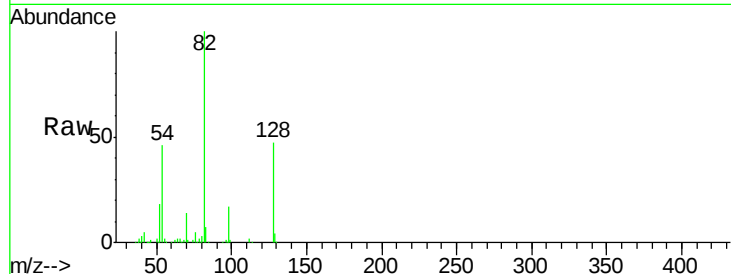




#19
n-Nitroso-di-n-propylamine
Concen: 15.956 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.35 min
Lab File: BG032136.D
Acq: 18 Jan 2018 13:23

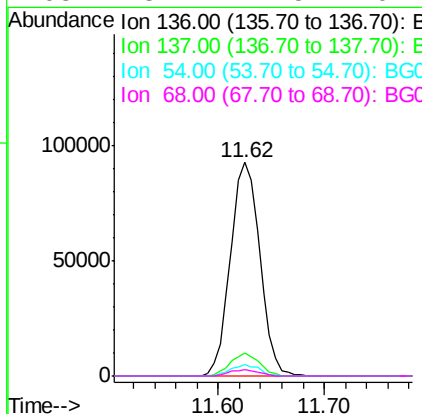
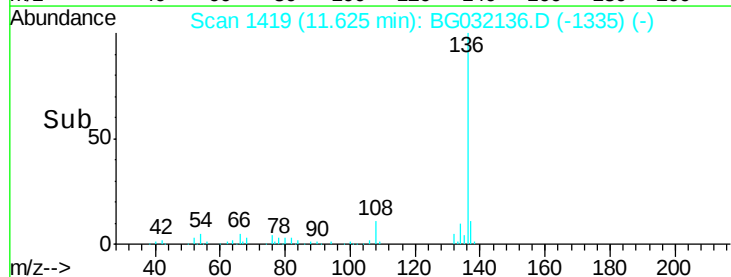
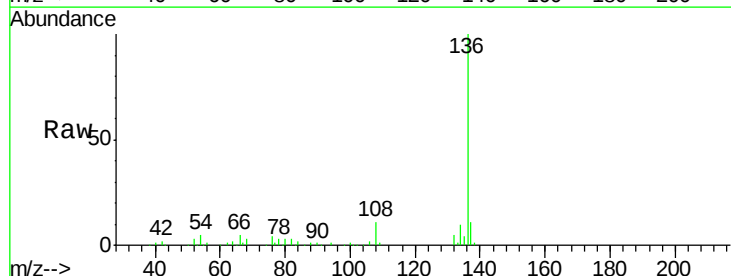
Instrument :
BNA_G
ClientSampleId :
CW-PH2

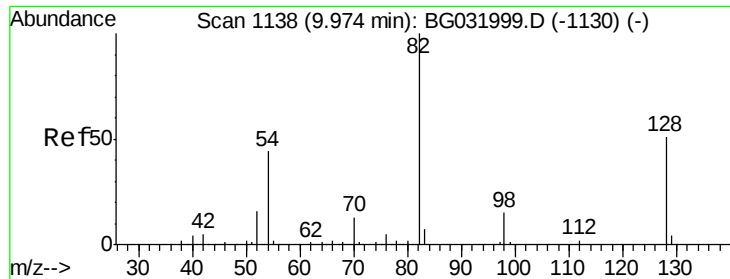
Tgt Ion: 70 Resp: 29963
Ion Ratio Lower Upper
70 100
42 38.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032136.D
Acq: 18 Jan 2018 13:23

Tgt Ion: 136 Resp: 178220
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 5.4 10.3 15.5#
68 3.2 4.5 6.7#

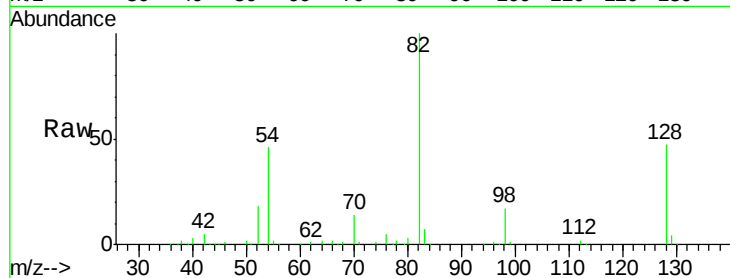




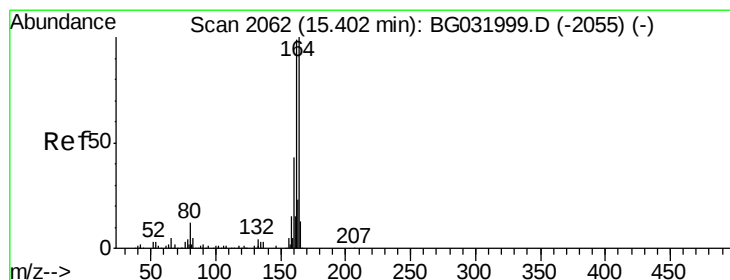
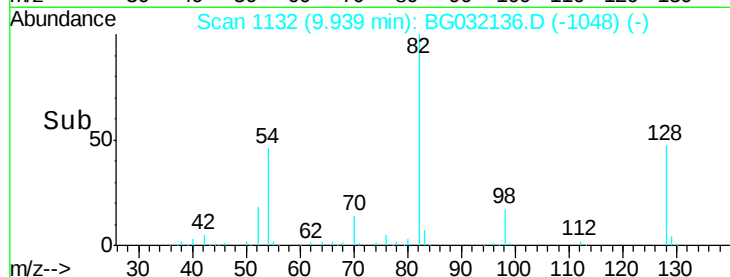
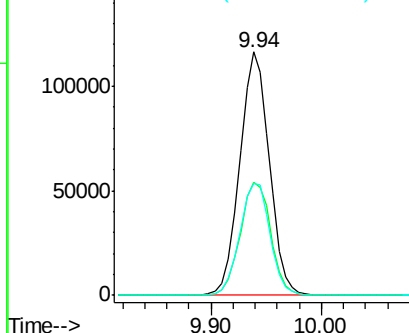
#23
 Nitrobenzene-d5
 Concen: 82.942 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032136.D
 Acq: 18 Jan 2018 13:23

Instrument :
 BNA_G
 ClientSampleId :
 CW-PH2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.6	29.7	44.5#
54	45.9	43.1	64.7

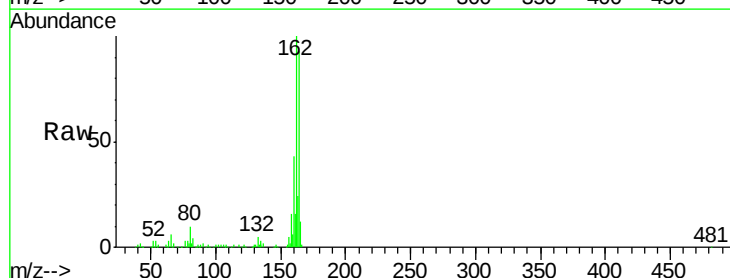


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

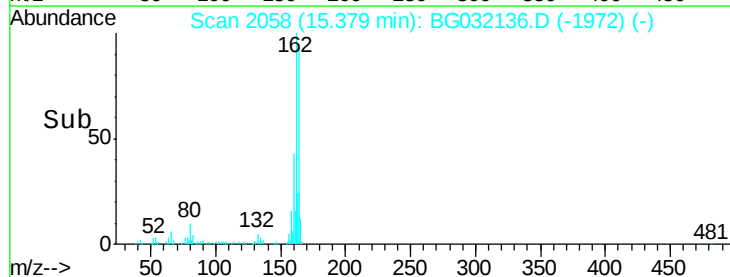
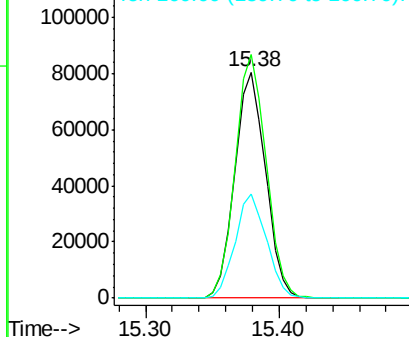


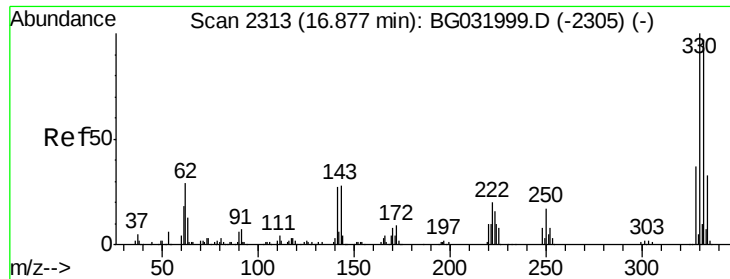
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.02 min
 Lab File: BG032136.D
 Acq: 18 Jan 2018 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.8	78.8	118.2
160	46.0	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

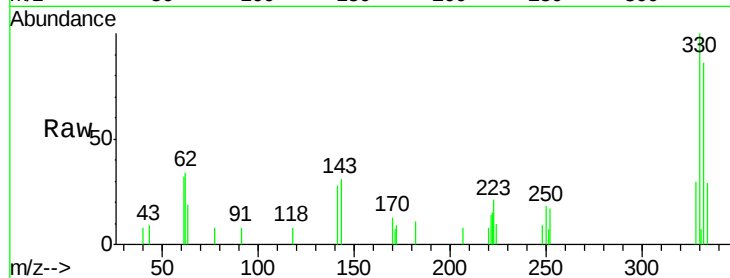




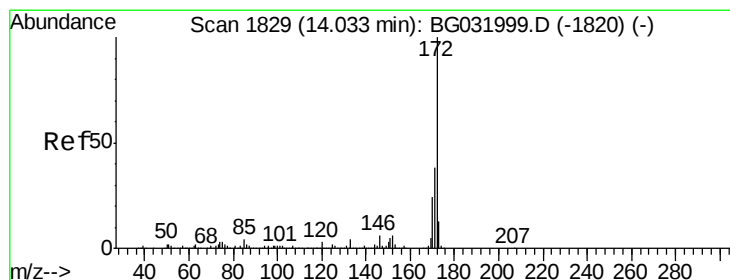
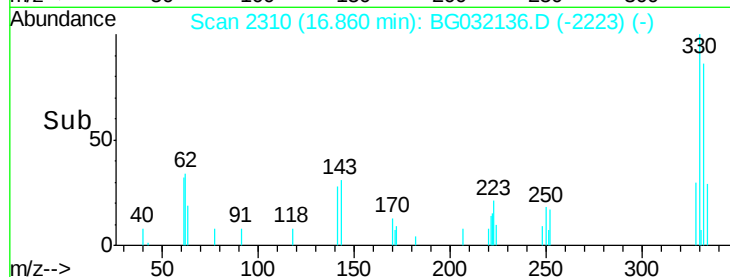
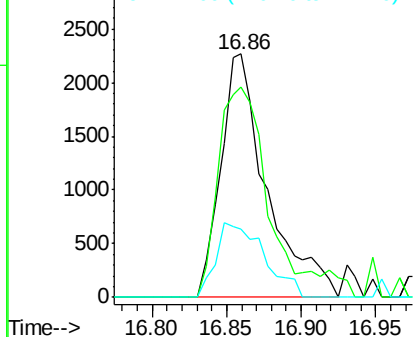
#41
 2,4,6-Tribromophenol
 Concen: 2.290 ng
 RT: 16.86 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BG032136.D
 Acq: 18 Jan 2018 13:23

Instrument :
 BNA_G
 ClientSampleId :
 CW-PH2

Tgt Ion:330 Resp: 4877
 Ion Ratio Lower Upper
 330 100
 332 89.2 77.0 115.6
 141 31.9 25.2 37.8

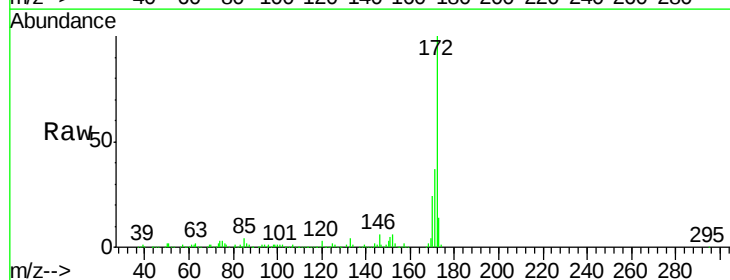


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

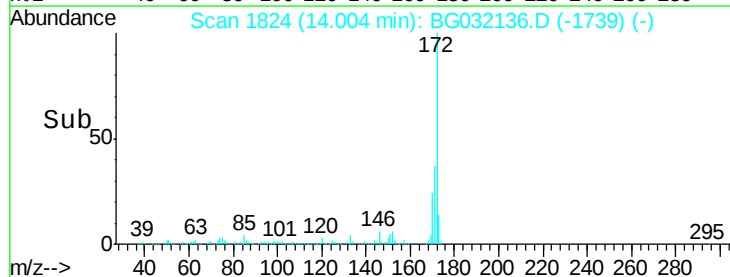
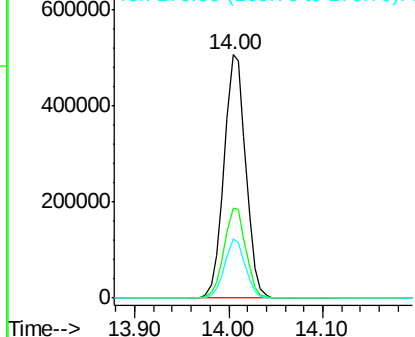


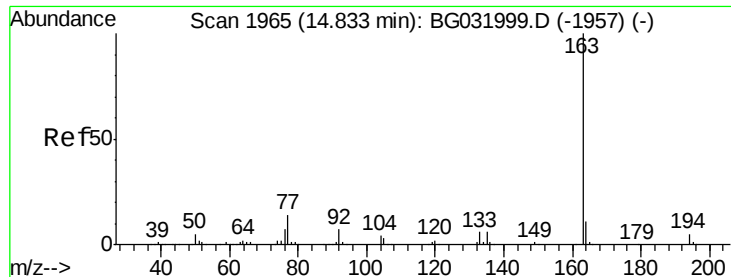
#44
 2-Fluorobiphenyl
 Concen: 78.265 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.03 min
 Lab File: BG032136.D
 Acq: 18 Jan 2018 13:23

Tgt Ion:172 Resp: 812352
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.2 19.5 29.3



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: 6.701 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.03 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Instrument :

BNA_G

ClientSampleId :

CW-PH2

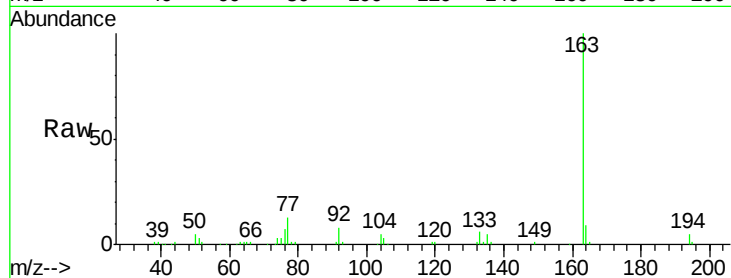
Tgt Ion:163 Resp: 75468

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.2#

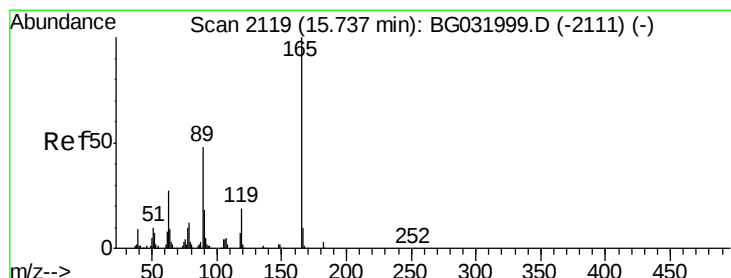
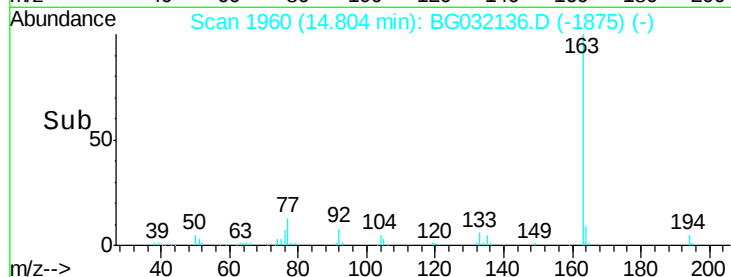
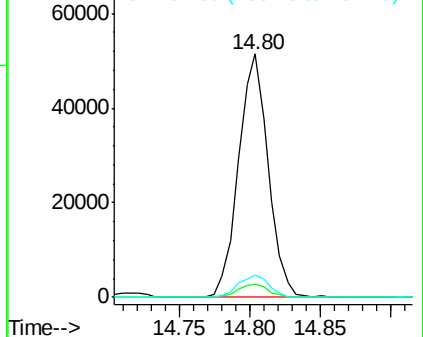
164 9.2 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.151 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.36 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Tgt Ion:165 Resp: 16210

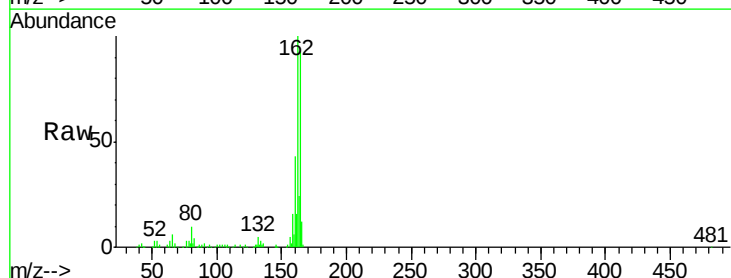
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

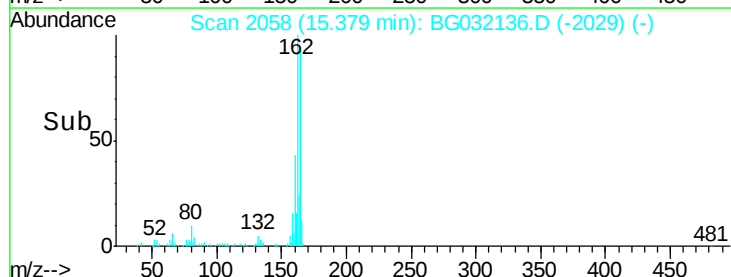
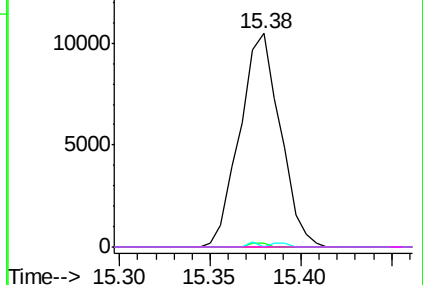


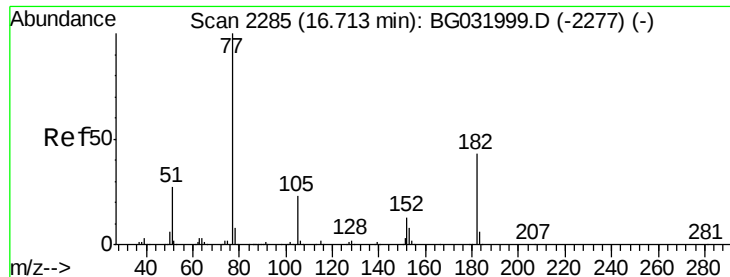
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 4.538 ng

RT: 16.71 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Instrument :

BNA_G

ClientSampleId :

CW-PH2

Tgt Ion: 77 Resp: 31012

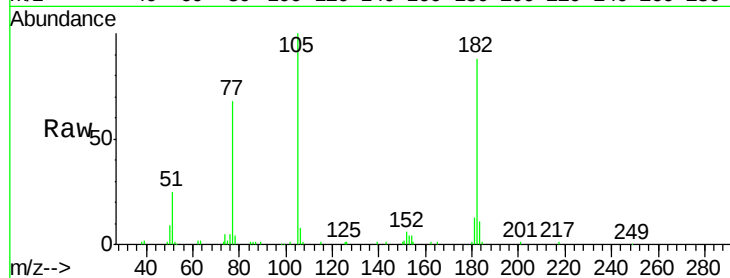
Ion Ratio Lower Upper

77 100

182 129.1 7.4 47.4#

105 146.5 0.3 40.3#

51 36.0 11.6 51.6

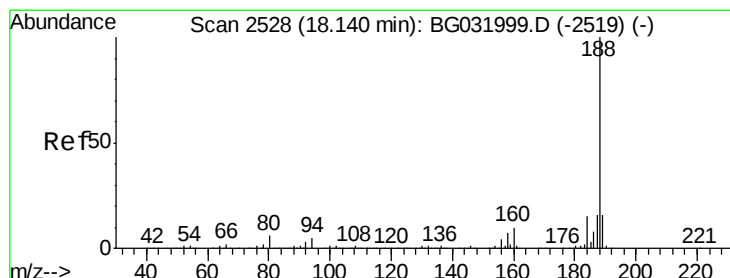
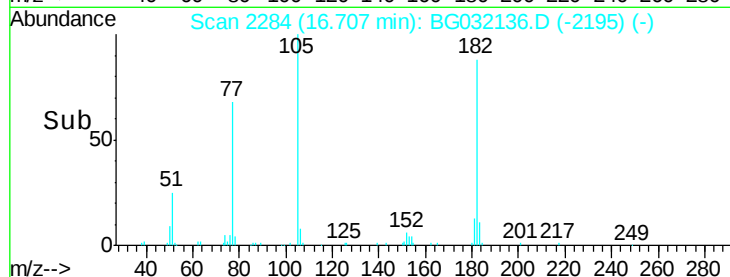
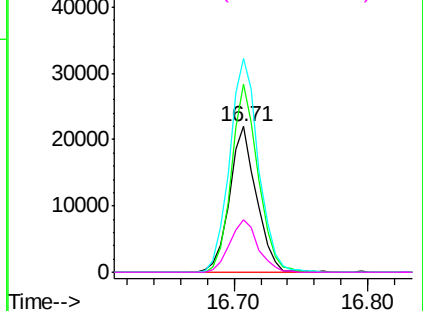


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

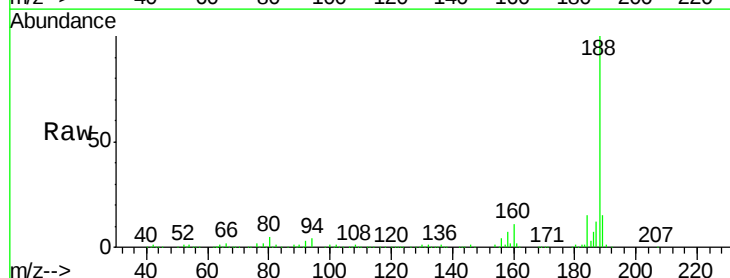
Tgt Ion: 188 Resp: 355409

Ion Ratio Lower Upper

188 100

94 4.1 6.9 10.3#

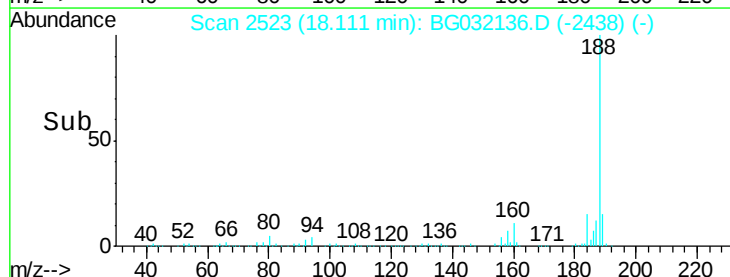
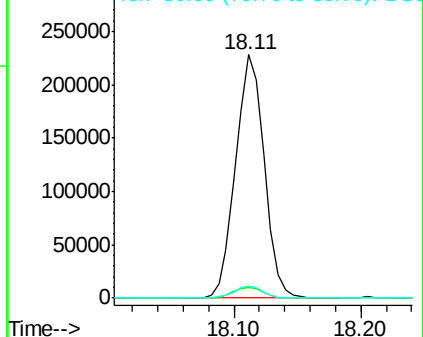
80 5.1 7.7 11.5#

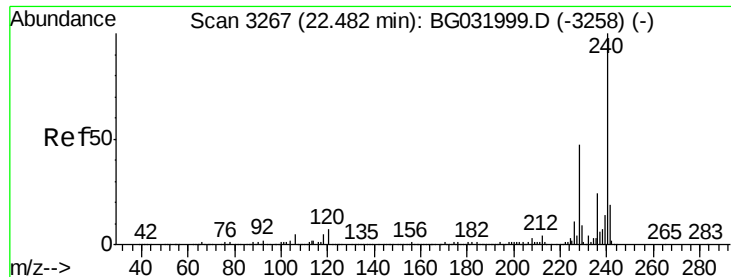


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.45 min Scan# 3261

Delta R.T. -0.03 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Instrument :

BNA_G

ClientSampleId :

CW-PH2

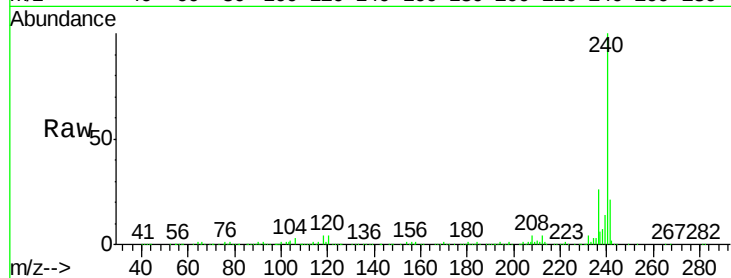
Tgt Ion:240 Resp: 444324

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

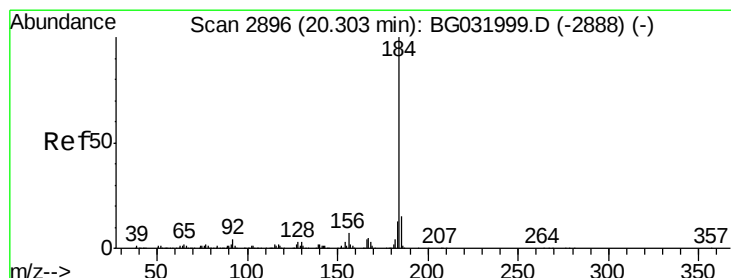
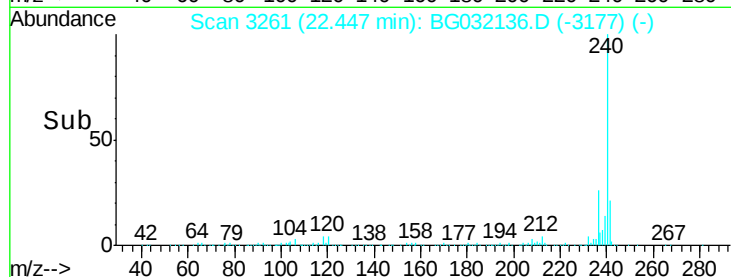
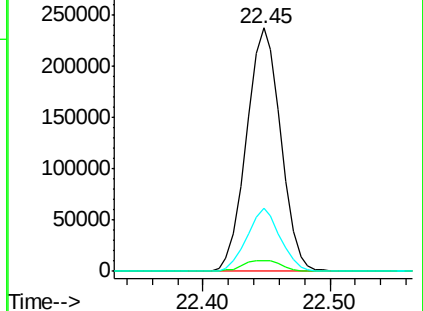
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 2.029 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.35 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

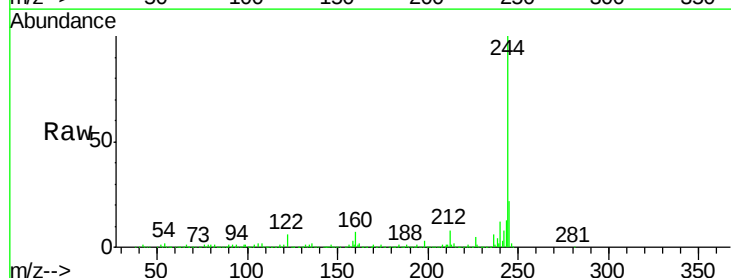
Tgt Ion:184 Resp: 22544

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

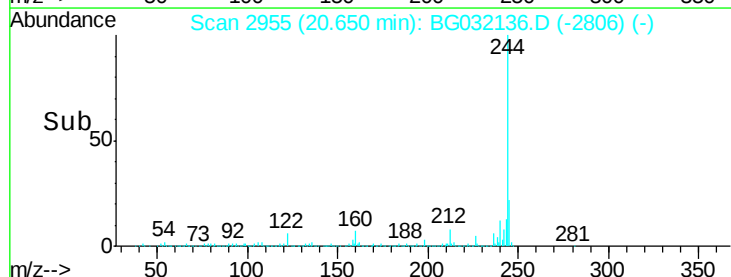
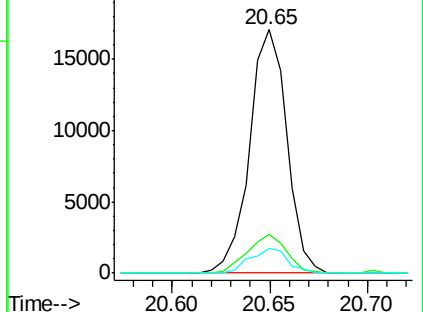
183 9.9 10.6 16.0#

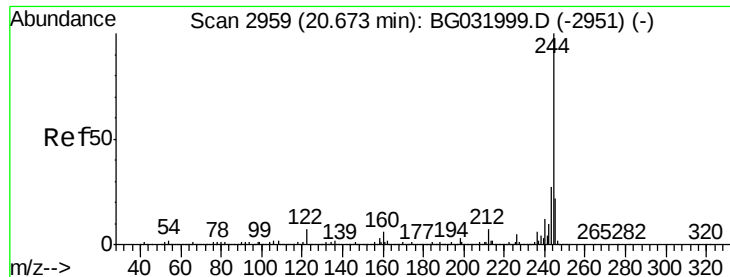


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 81.175 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

Instrument :

BNA_G

ClientSampleId :

CW-PH2

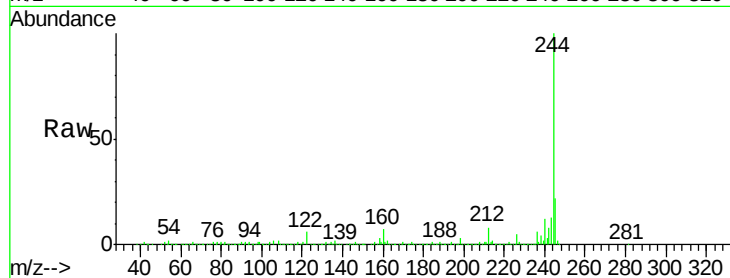
Tgt Ion:244 Resp: 1633476

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

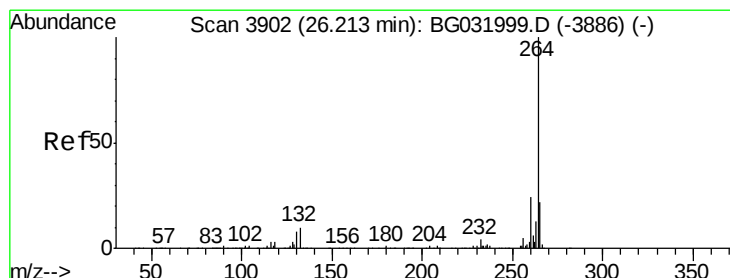
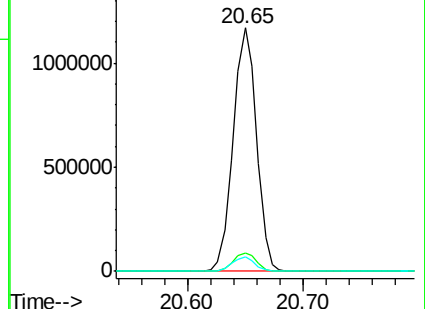
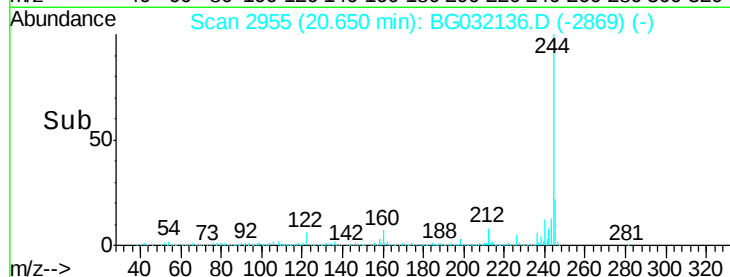
122 6.1 7.0 10.4#



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: 20.000 ng

RT: 26.15 min Scan# 3891

Delta R.T. -0.06 min

Lab File: BG032136.D

Acq: 18 Jan 2018 13:23

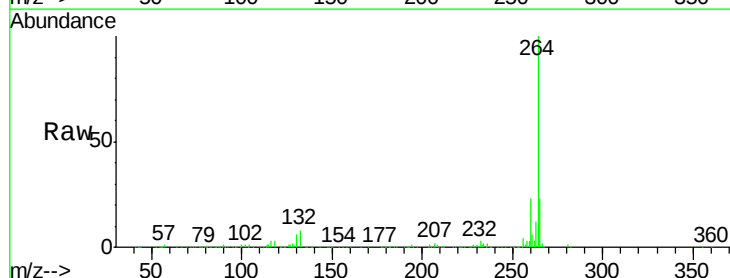
Tgt Ion:264 Resp: 479002

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 22.6 17.7 26.5



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

