

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112217\
 Data File : BG031218.D
 Acq On : 23 Nov 2017 10:05
 Operator : SJ/JU
 Sample : I6536-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 23 23:22:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

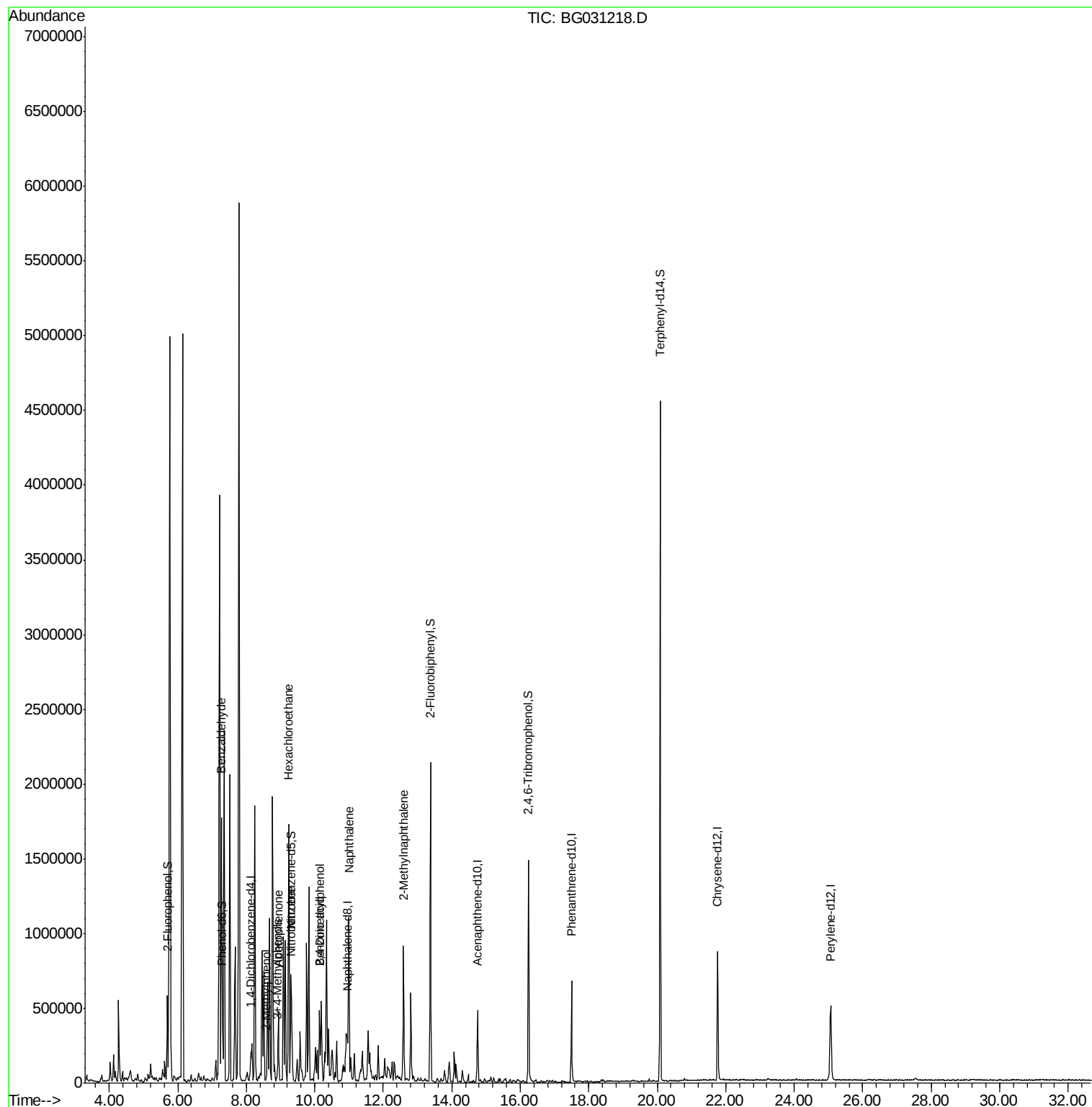
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	60367	20.00	ng	-0.02
21) Naphthalene-d8	10.95	136	253278	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	171053	20.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	448481	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	590774	20.00	ng	-0.02
86) Perylene-d12	25.06	264	582874	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	245181	69.65	ng	-0.01
7) Phenol-d6	7.30	99	187023	39.43	ng	0.00
23) Nitrobenzene-d5	9.31	82	401430	93.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	314115	113.52	ng	-0.02
44) 2-Fluorobiphenyl	13.38	172	1173678	98.59	ng	-0.02
78) Terphenyl-d14	20.09	244	2234593	83.52	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.27	77	129848	39.12	ng	# 1
17) 2-Methylphenol	8.59	107	8058	2.35	ng	89
18) Hexachloroethane	9.24	117	147598	91.81	ng	# 1
20) 3+4-Methylphenols	8.91	107	15340	3.15	ng	85
22) Acetophenone	8.93	105	349287	55.39	ng	# 53
24) Nitrobenzene	9.33	77	16266	3.73	ng	# 12
27) 2,4-Dimethylphenol	10.15	122	86364	25.56	ng	93
31) Naphthalene	11.00	128	723850	58.14	ng	97
32) Benzoic acid	10.15	122	86364	32.73	ng	# 25
37) 2-Methylnaphthalene	12.59	142	467160	48.60	ng	94

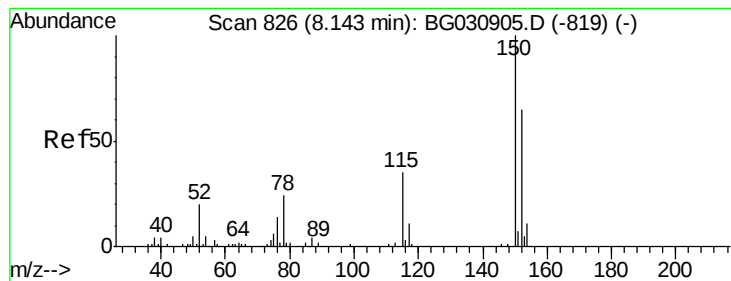
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 825

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Instrument :

BNA_G

ClientSampleId :

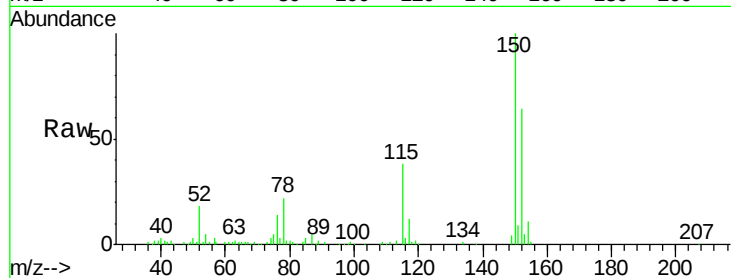
Tot Ion:152 Resp: 60367

Ion Ratio Lower Upper

152 100

150 156.5 126.6 189.8

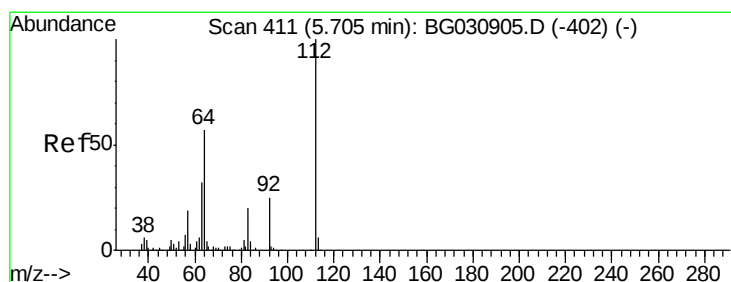
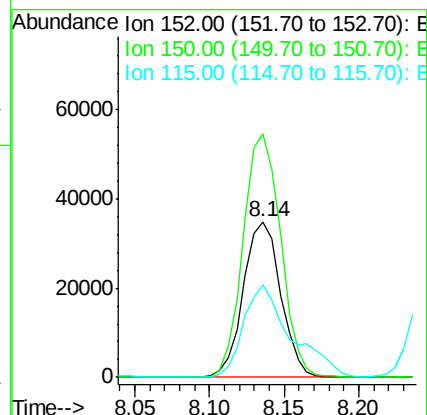
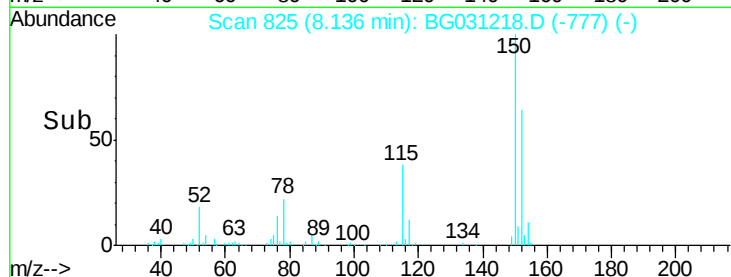
115 59.6 53.0 79.4



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



#5

2-Fluorophenol

Concen: 69.65 ng

RT: 5.70 min Scan# 410

Delta R.T. -0.01 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

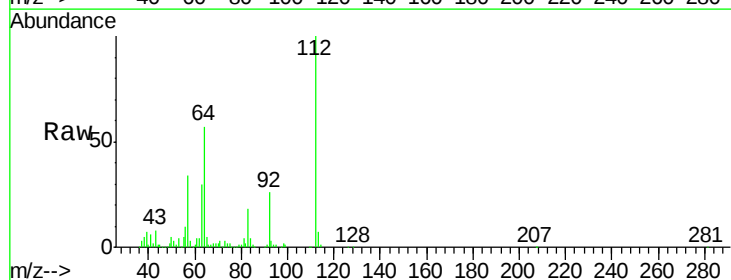
Tgt Ion:112 Resp: 245181

Ion Ratio Lower Upper

112 100

64 57.0 56.3 84.5

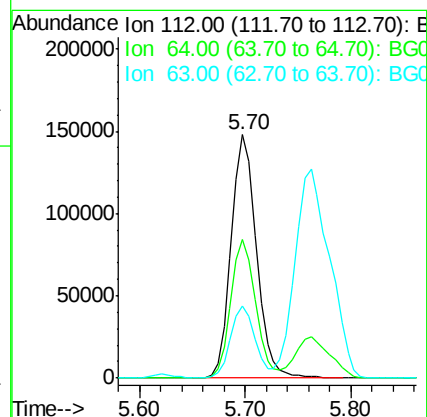
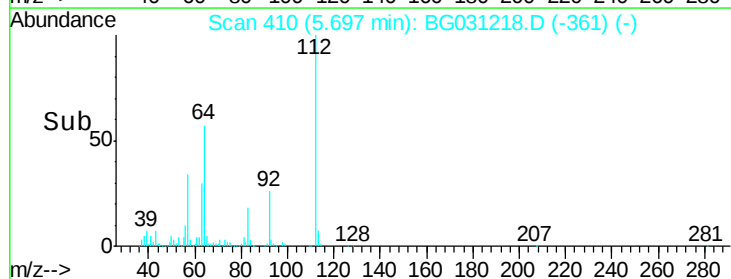
63 29.8 30.1 45.1#

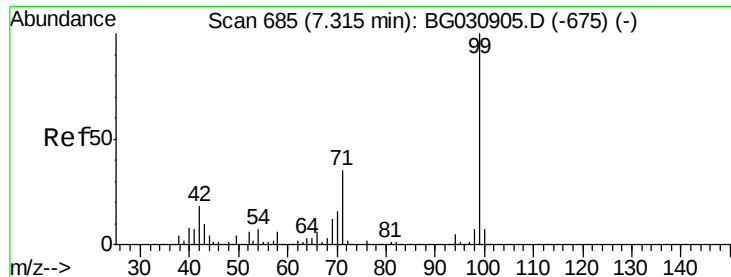


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.43 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Instrument :

BNA_G

ClientSampled :

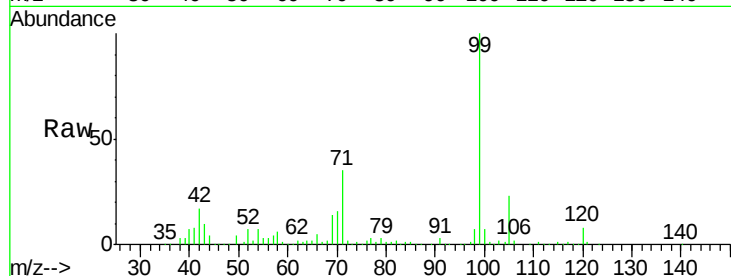
Tot Ion: 99 Resp: 187023

Ion Ratio Lower Upper

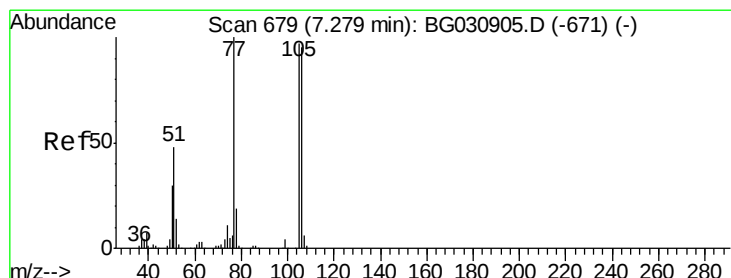
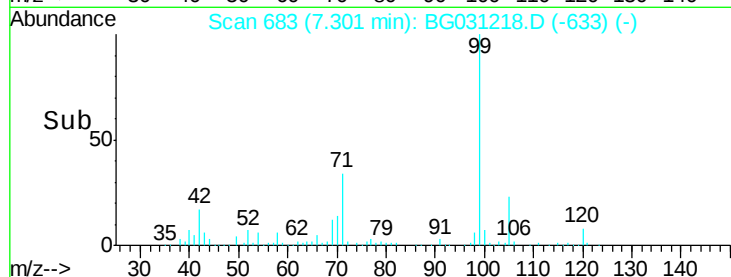
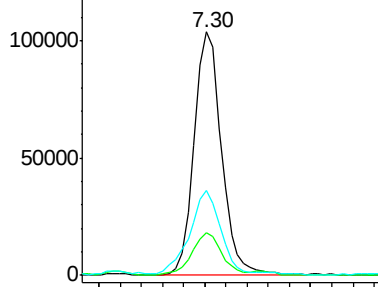
99 100

42 17.3 14.1 21.1

71 35.0 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



#9

Benzaldehyde

Concen: 39.12 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

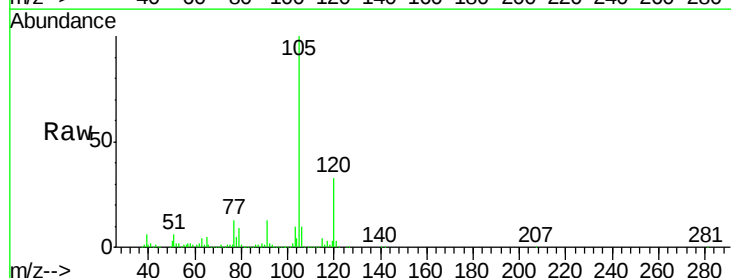
Tgt Ion: 77 Resp: 129848

Ion Ratio Lower Upper

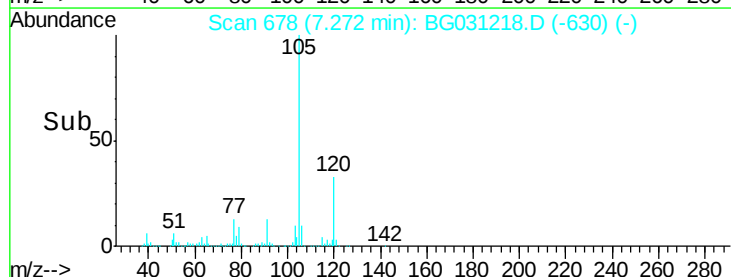
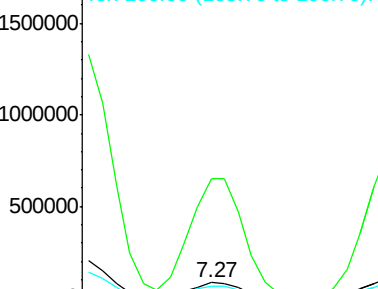
77 100

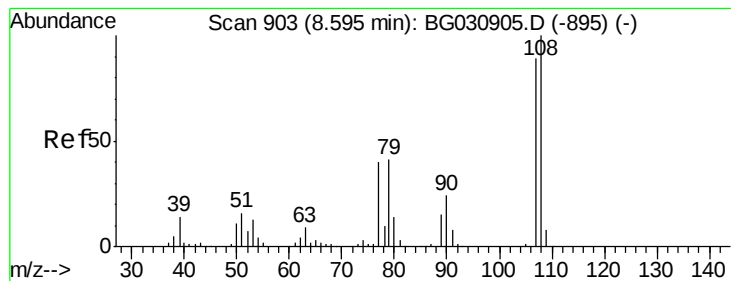
105 784.5 71.3 111.3#

106 76.4 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

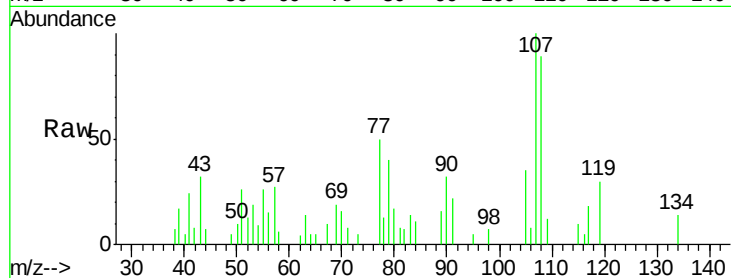




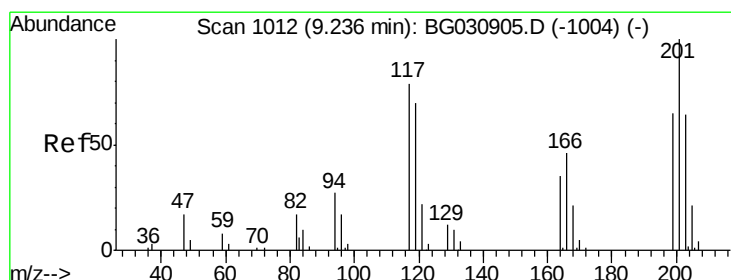
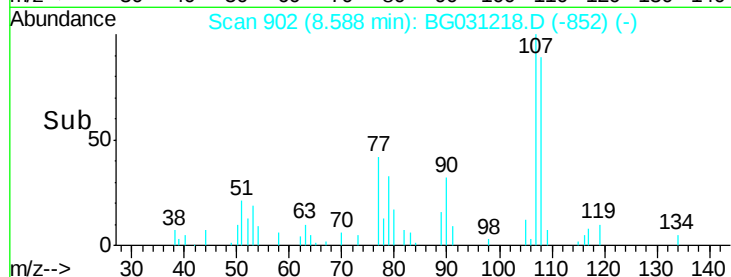
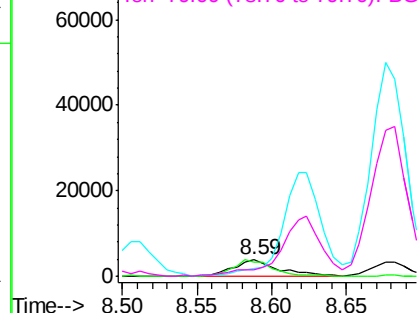
#17
2-Methylphenol
Concen: 2.35 ng
RT: 8.59 min Scan# 902
Delta R.T. -0.01 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 8058
Ion Ratio Lower Upper
107 100
108 89.0 83.9 125.9
77 50.2 37.2 55.8
79 40.0 36.2 54.2

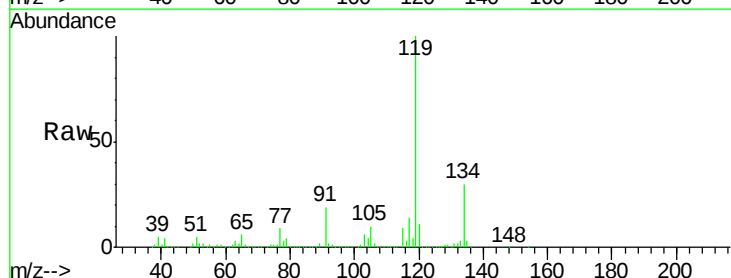


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

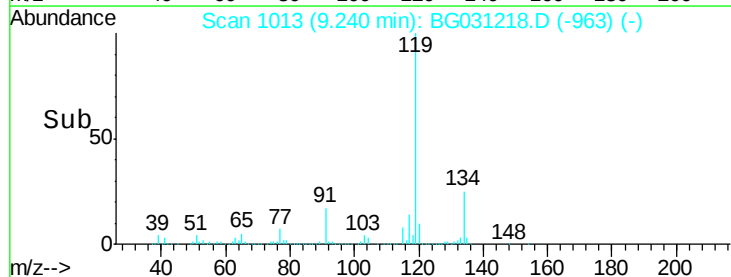
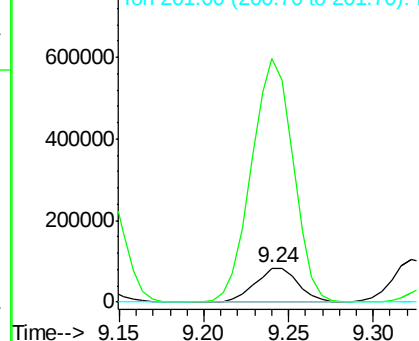


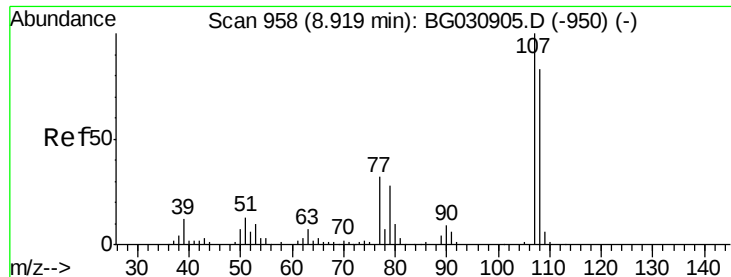
#18
Hexachloroethane
Concen: 91.81 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Tgt Ion:117 Resp: 147598
Ion Ratio Lower Upper
117 100
119 711.6 76.7 115.1#
201 0.0 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

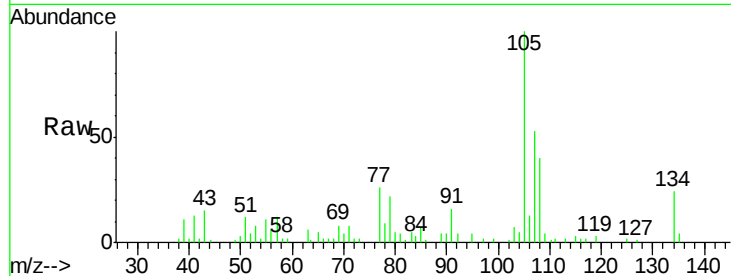




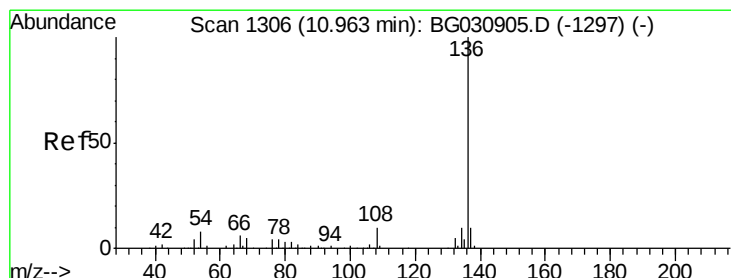
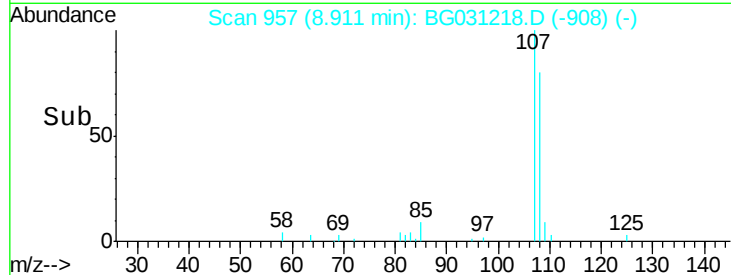
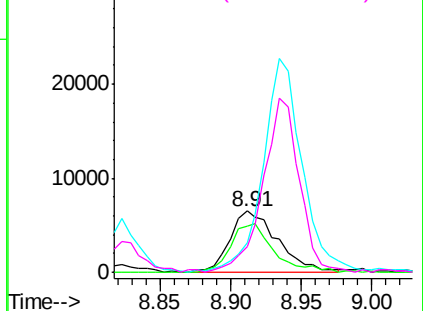
#20
3+4-Methylphenols
Concen: 3.15 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	15340
Ion	Ratio	Lower	Upper
107	100		
108	75.5	61.6	101.6
77	48.7	13.9	53.9
79	42.7	8.8	48.8

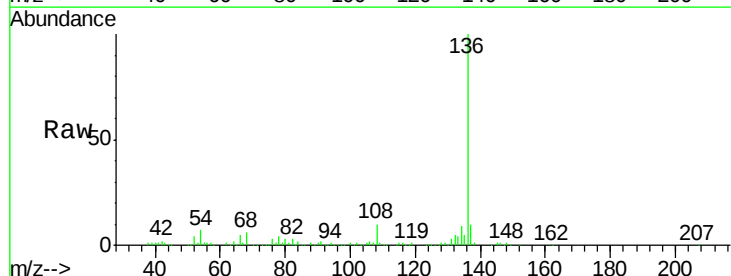


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

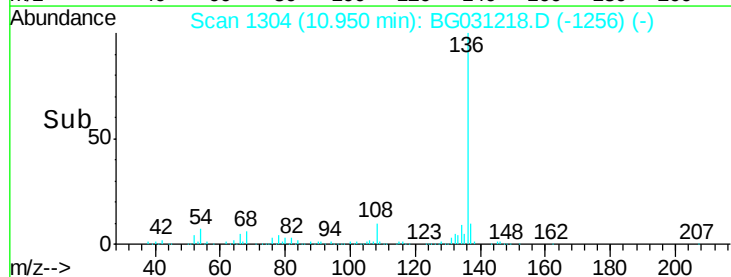
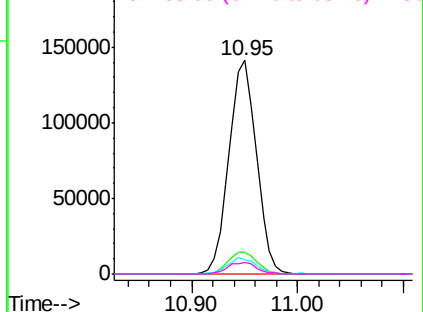


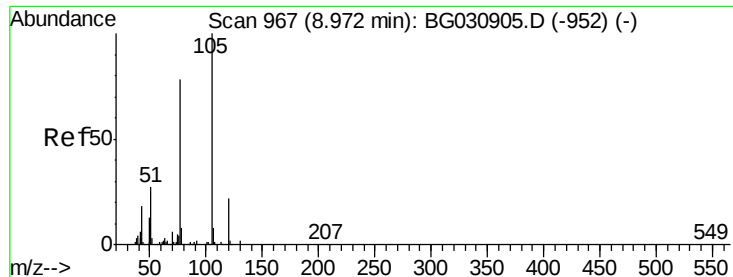
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Tgt Ion:	136	Resp:	253278
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	6.8	10.3	15.5#
68	5.6	4.5	6.7



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





#22

Acetophenone

Concen: 55.39 ng

RT: 8.93 min Scan# 961

Delta R.T. -0.04 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 349287

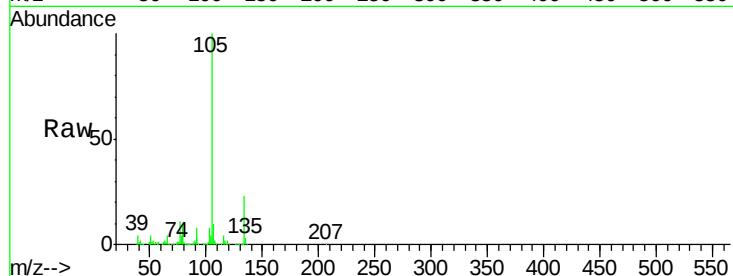
Ion Ratio Lower Upper

105 100

71 0.2 3.0 4.4#

51 3.7 26.1 39.1#

120 0.3 17.4 26.2#

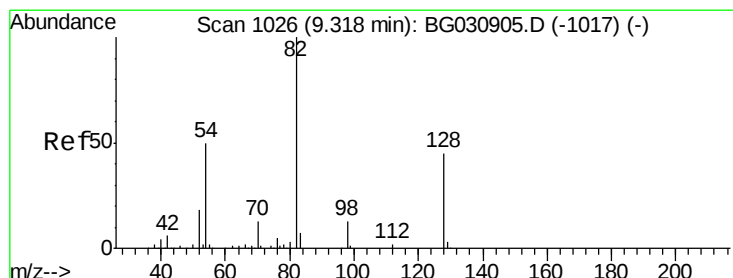
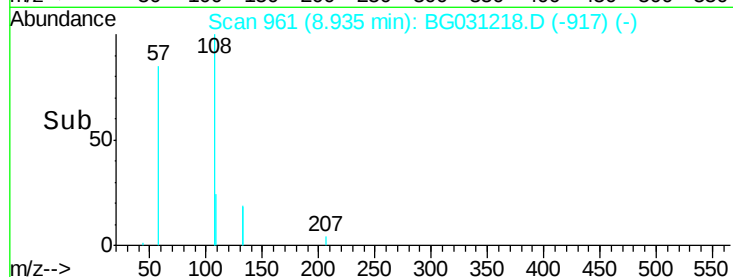
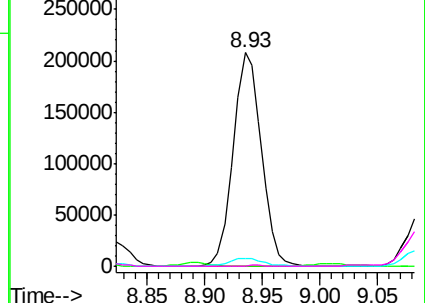


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 93.92 ng

RT: 9.31 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

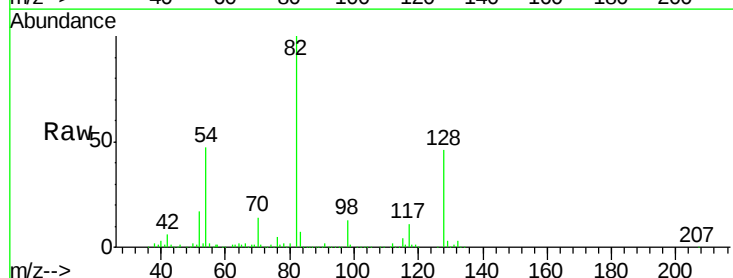
Tgt Ion: 82 Resp: 401430

Ion Ratio Lower Upper

82 100

128 46.5 29.7 44.5#

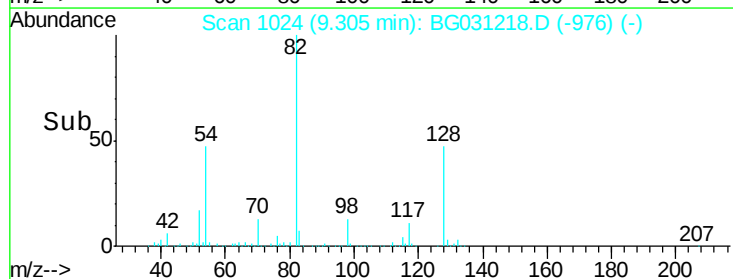
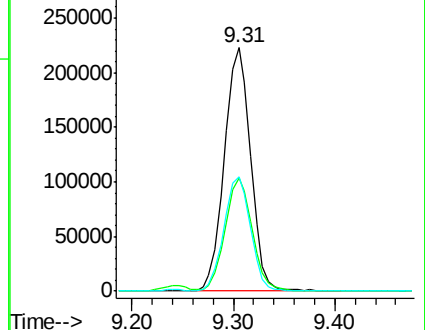
54 47.1 43.1 64.7

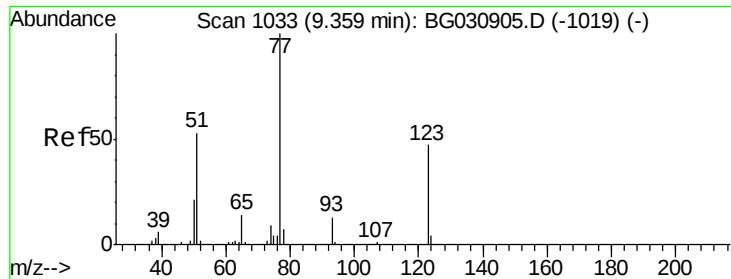


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

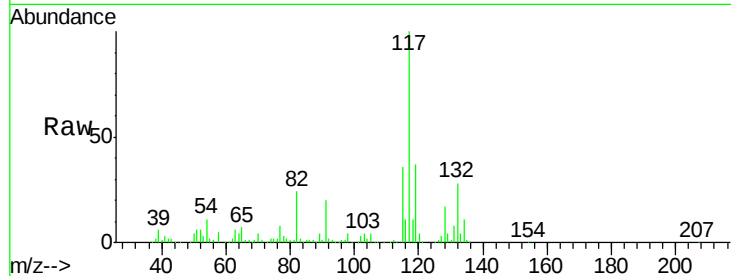




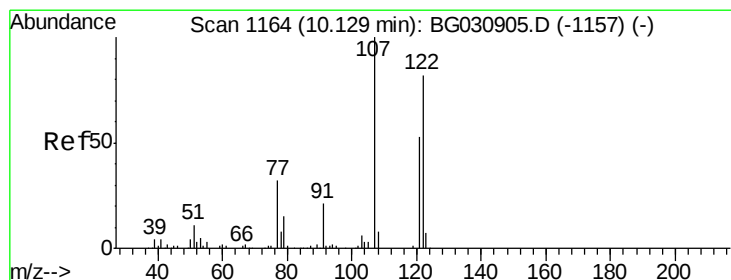
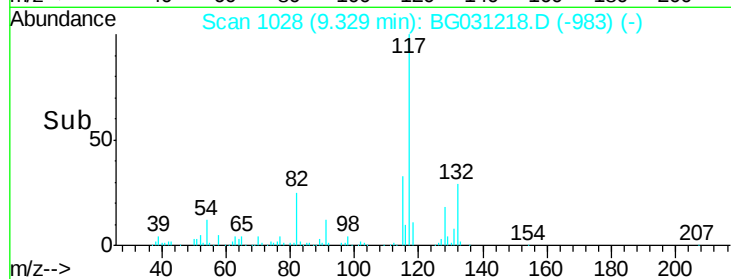
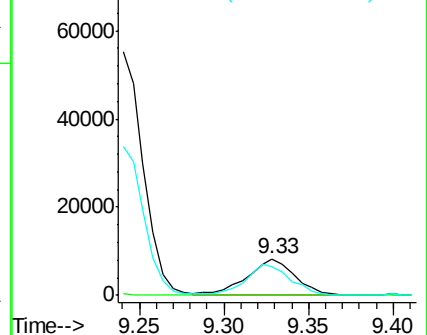
#24
Nitrobenzene
Concen: 3.73 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	78.1	13.0	19.6#

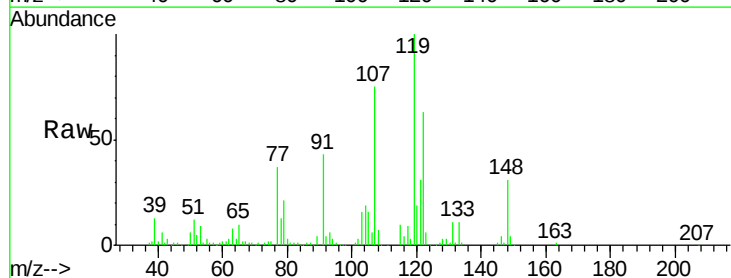


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

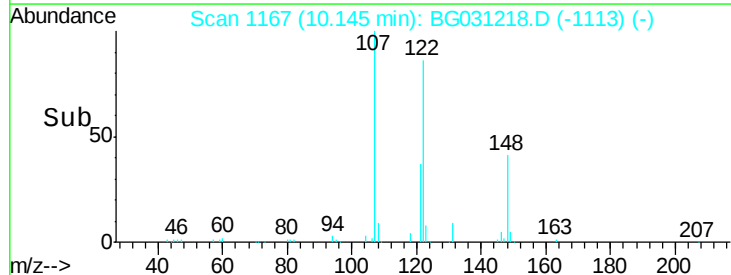
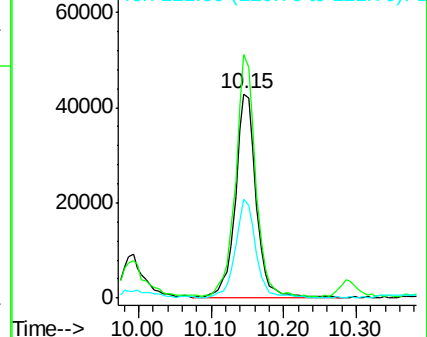


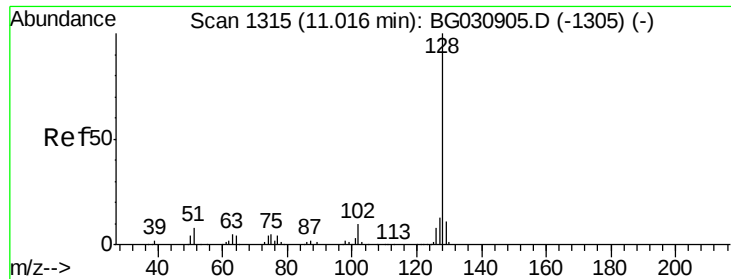
#27
2,4-Dimethylphenol
Concen: 25.56 ng
RT: 10.15 min Scan# 1167
Delta R.T. 0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Tgt Ion	Ratio	Lower	Upper
122	100		
107	119.0	100.2	150.2
121	48.2	44.4	66.6



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC





#31

Naphthalene

Concen: 58.14 ng

RT: 11.00 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Instrument :

BNA_G

ClientSampled :

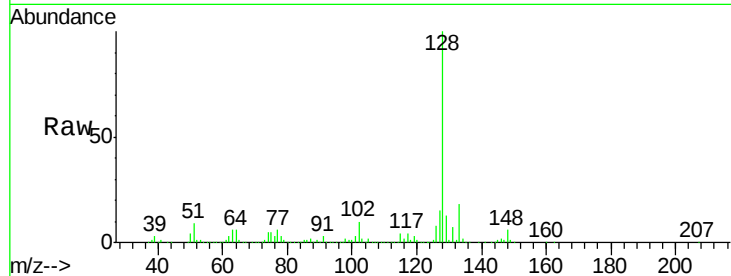
Tot Ion:128 Resp: 723850

Ion Ratio Lower Upper

128 100

129 12.8 8.6 12.8

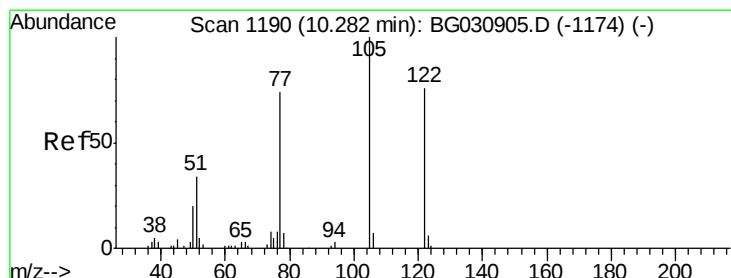
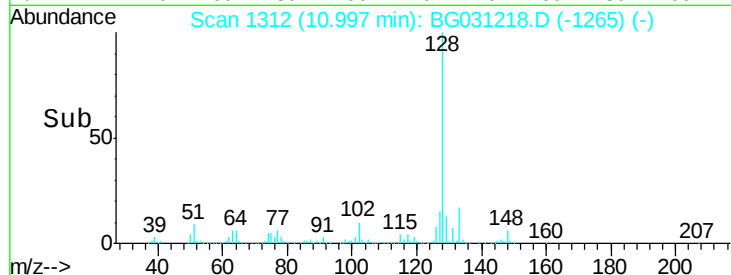
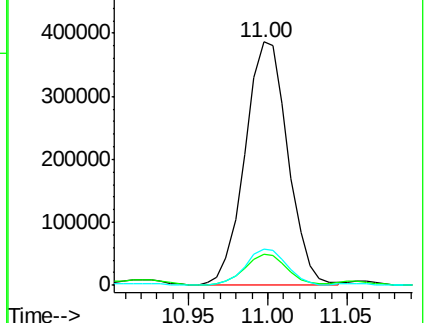
127 15.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.73 ng

RT: 10.15 min Scan# 1167

Delta R.T. -0.12 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

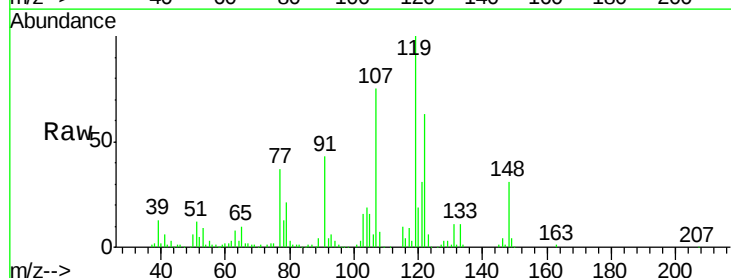
Tgt Ion:122 Resp: 86364

Ion Ratio Lower Upper

122 100

105 24.9 123.5 163.5#

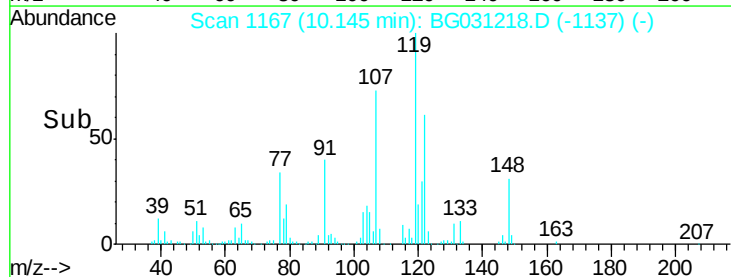
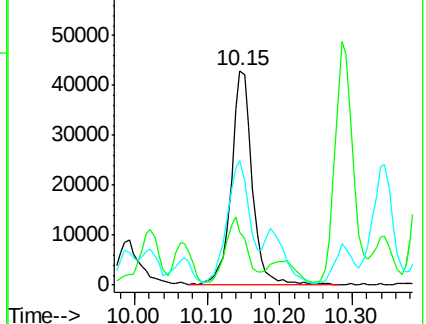
77 58.1 85.7 125.7#

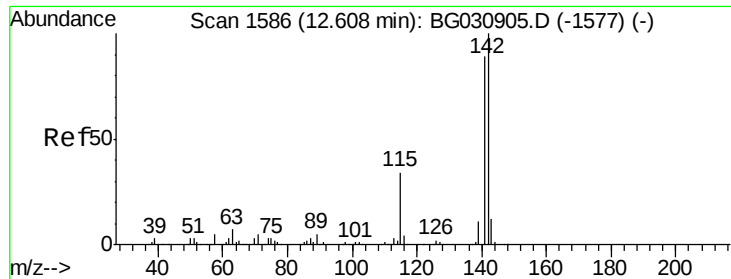


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

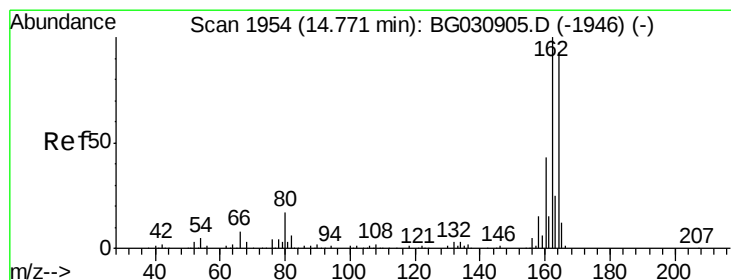
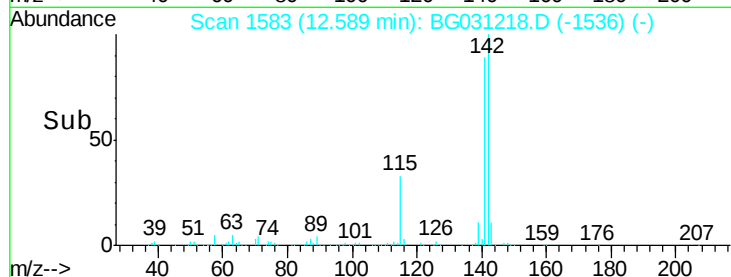
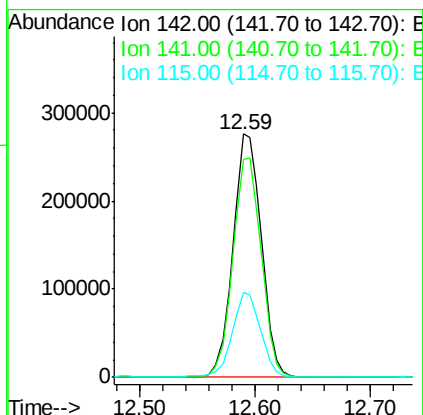
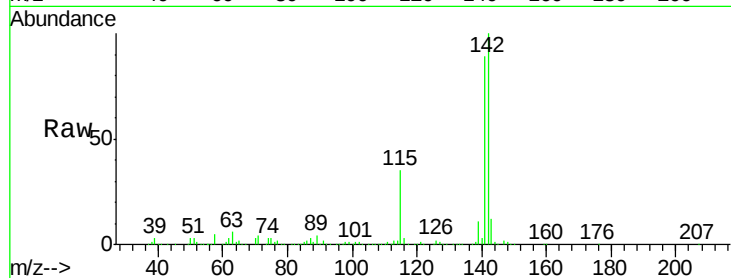




#37
2-Methylnaphthalene
Concen: 48.60 ng
RT: 12.59 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

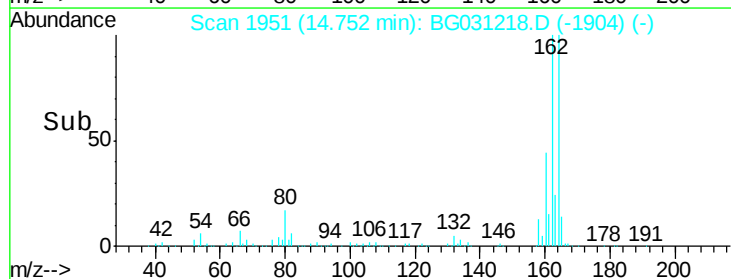
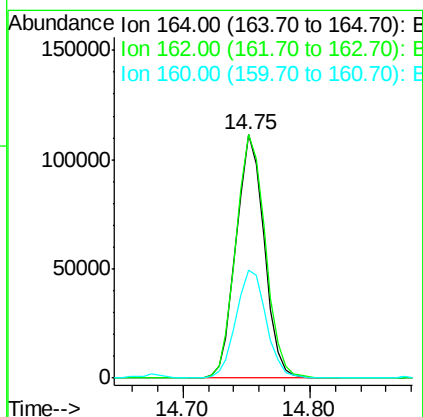
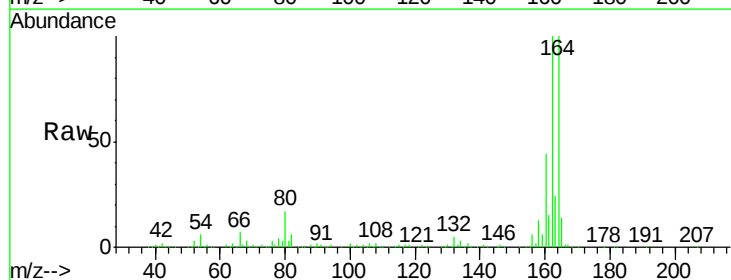
Instrument :
BNA_G
ClientSampleId :

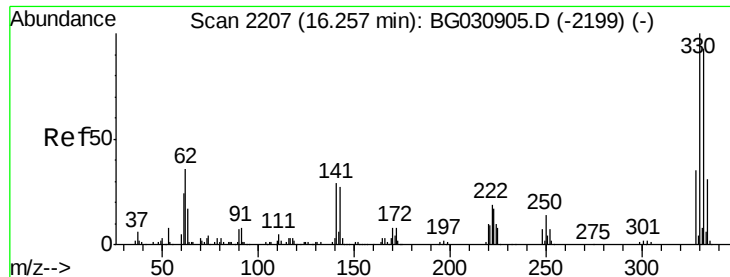
Tot Ion:142 Resp: 467160
Ion Ratio Lower Upper
142 100
141 89.5 67.1 100.7
115 34.8 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Tgt Ion:164 Resp: 171053
Ion Ratio Lower Upper
164 100
162 100.1 78.8 118.2
160 44.3 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 113.52 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Instrument :

BNA_G

ClientSampleId :

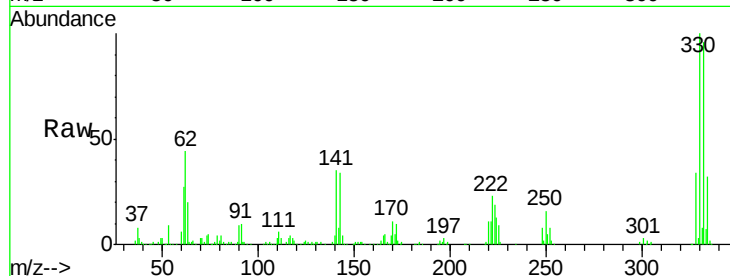
Tot Ion:330 Resp: 314115

Ion Ratio Lower Upper

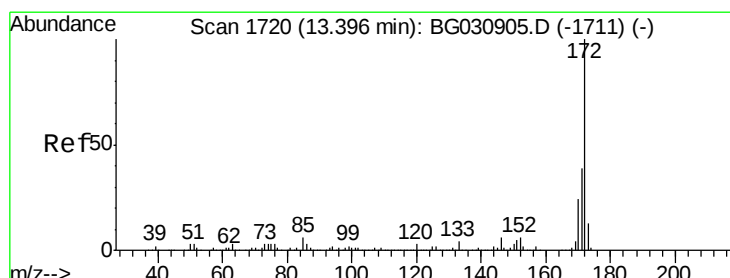
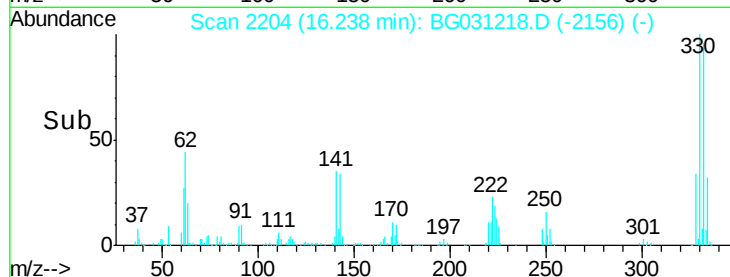
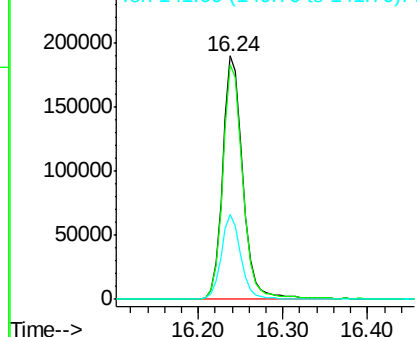
330 100

332 96.6 77.0 115.6

141 34.8 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: 98.59 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

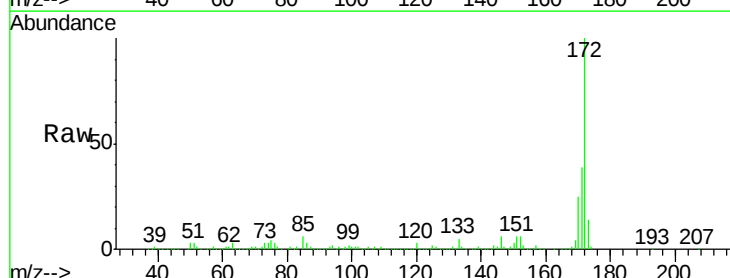
Tgt Ion:172 Resp: 1173678

Ion Ratio Lower Upper

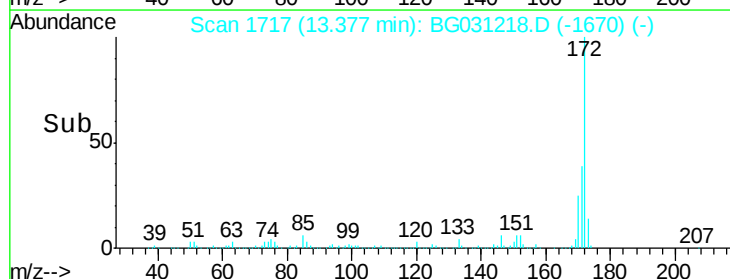
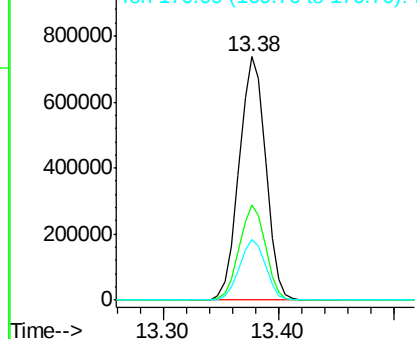
172 100

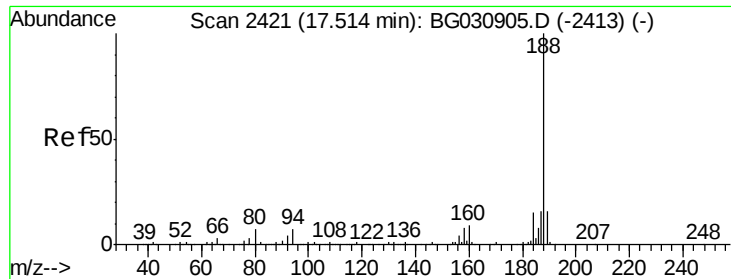
171 39.0 30.0 45.0

170 24.7 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

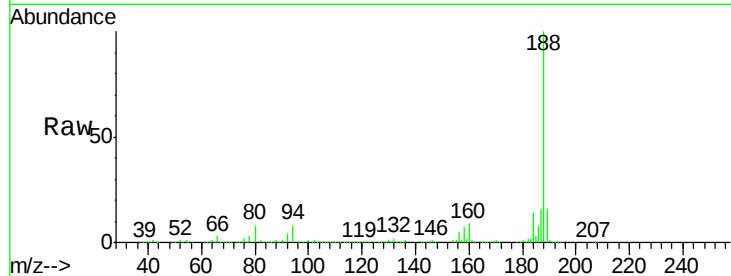




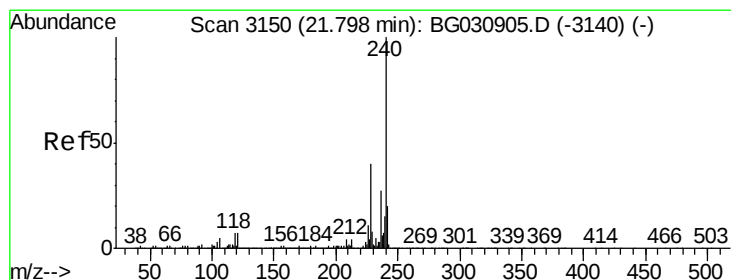
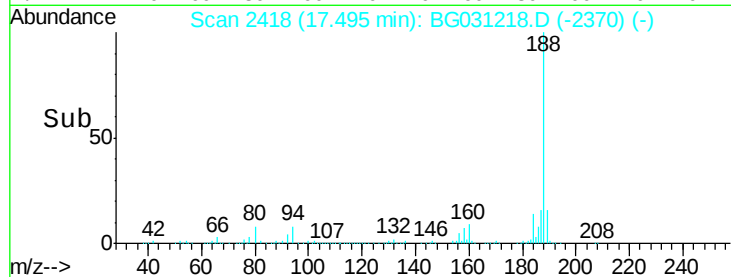
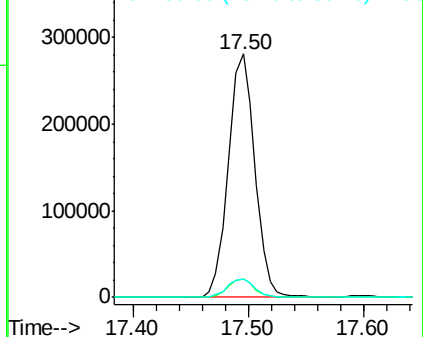
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 448481
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 7.8 7.7 11.5

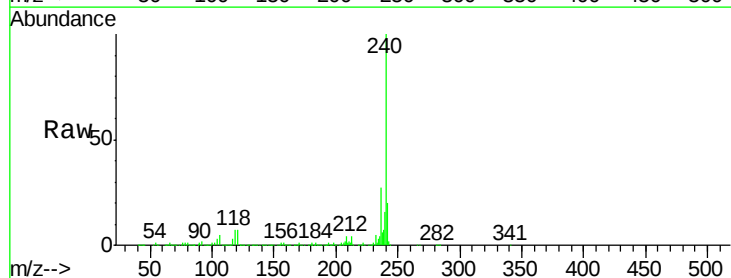


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

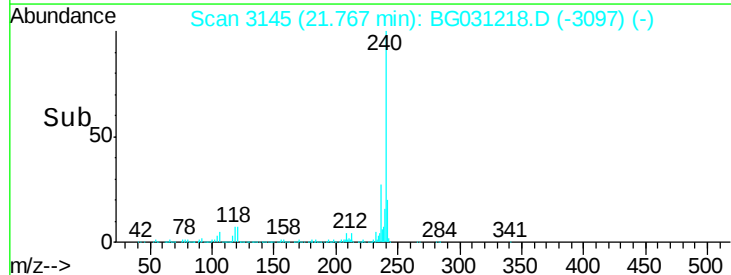
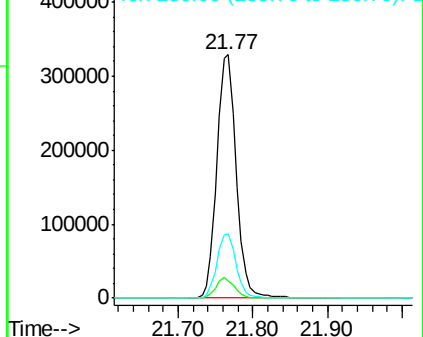


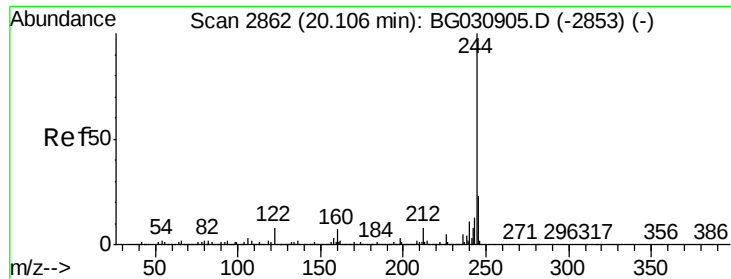
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.02 min
Lab File: BG031218.D
Acq: 23 Nov 2017 10:05

Tgt Ion:240 Resp: 590774
Ion Ratio Lower Upper
240 100
120 7.2 6.8 10.2
236 26.6 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





#78

Terphenyl-d14

Concen: 83.52 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

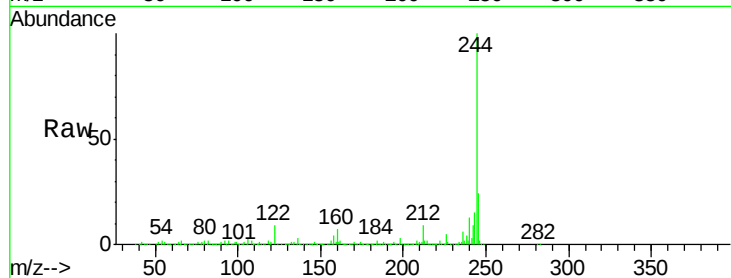
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2234593

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	9.2	7.0	10.4

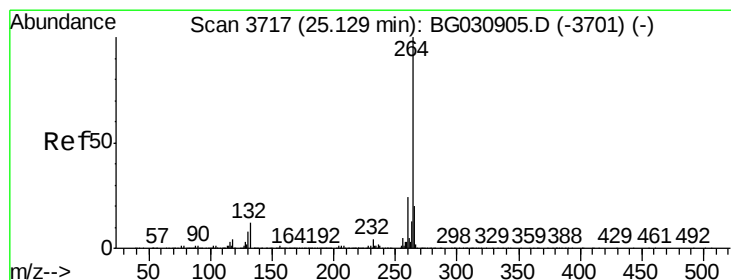
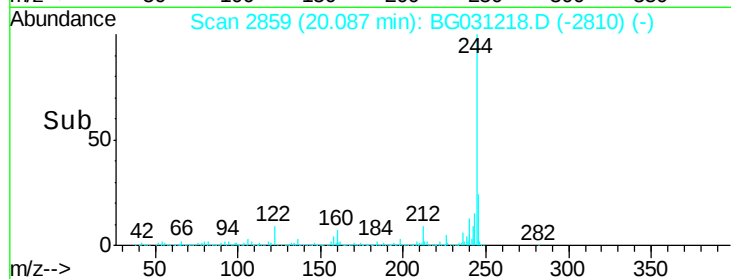
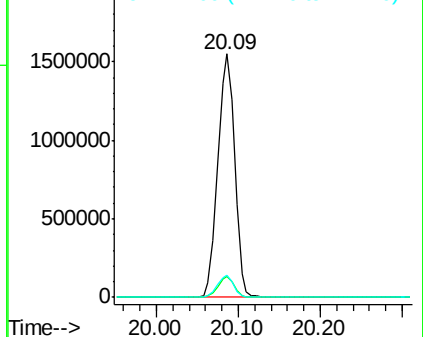


Abundance

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: 20.00 ng

RT: 25.06 min Scan# 3706

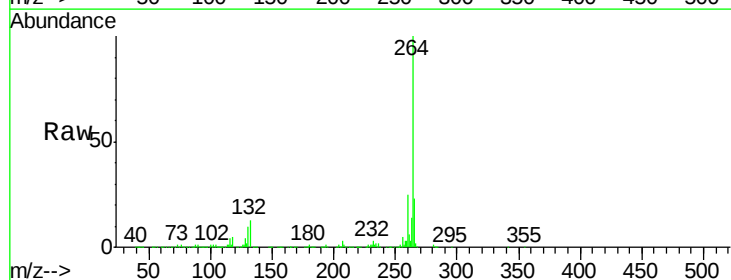
Delta R.T. -0.03 min

Lab File: BG031218.D

Acq: 23 Nov 2017 10:05

Tgt Ion:264 Resp: 582874

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	22.7	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

