

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111517\
 Data File : BG031034.D
 Acq On : 16 Nov 2017 5:02
 Operator : SJ/JU
 Sample : I6478-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 16 07:48:00 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

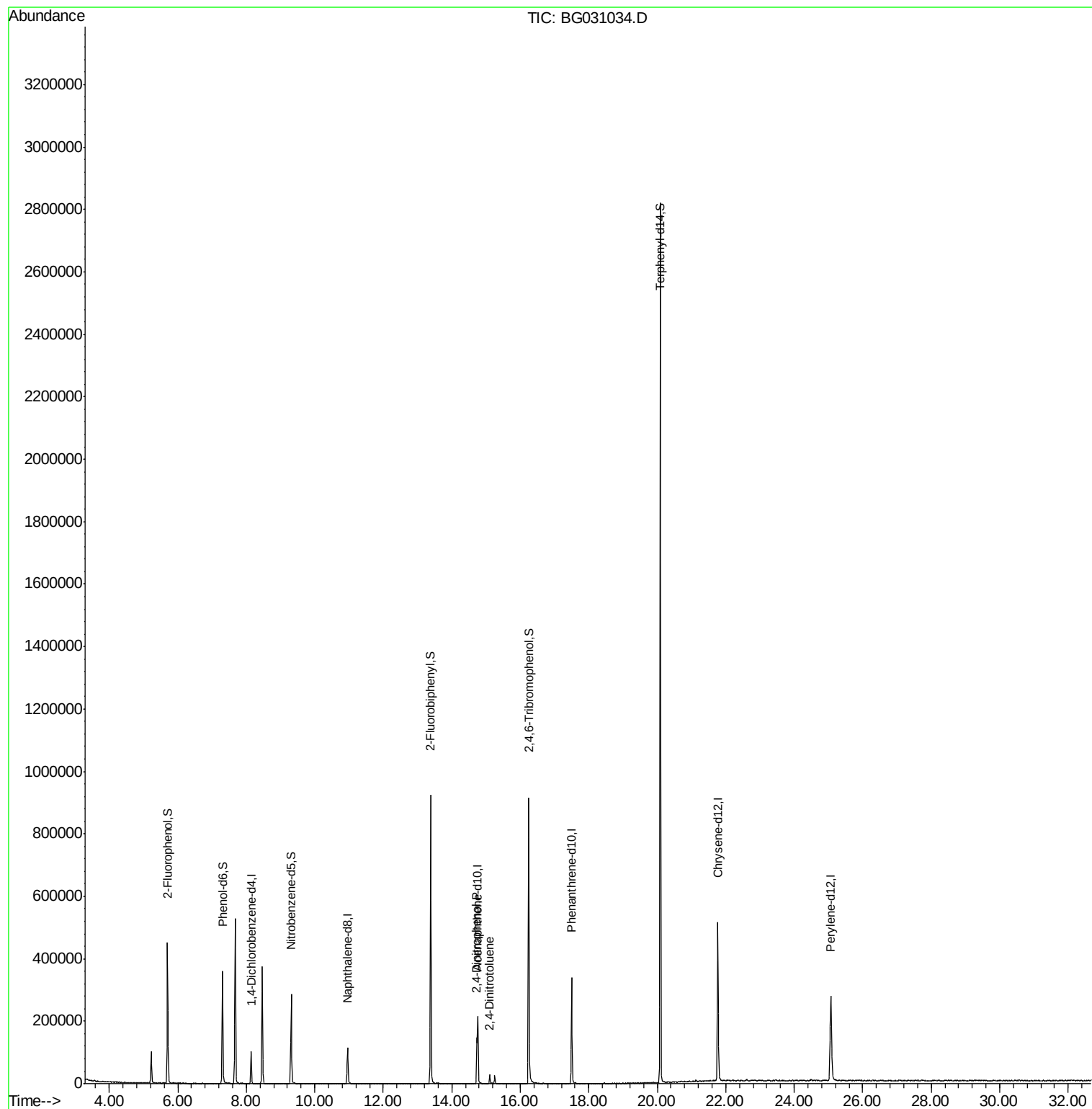
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	31586	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	120908	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	84918	20.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	249460	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	382069	20.00	ng	-0.02
86) Perylene-d12	25.06	264	376708	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	211928	115.05	ng	0.00
7) Phenol-d6	7.31	99	218528	88.06	ng	0.00
23) Nitrobenzene-d5	9.31	82	183530	89.95	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	232040	168.92	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	570358	96.51	ng	-0.02
78) Terphenyl-d14	20.09	244	1462439	84.52	ng	0.00
Target Compounds						
53) 2,4-Dinitrophenol	14.73	184	137	6.02	ng	# 1
56) 2,4-Dinitrotoluene	15.11	165	4773	2.18	ng	# 27

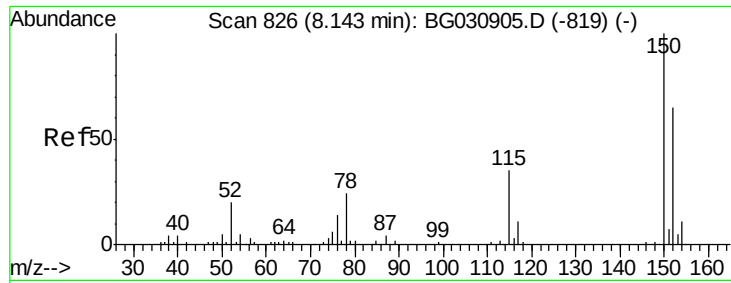
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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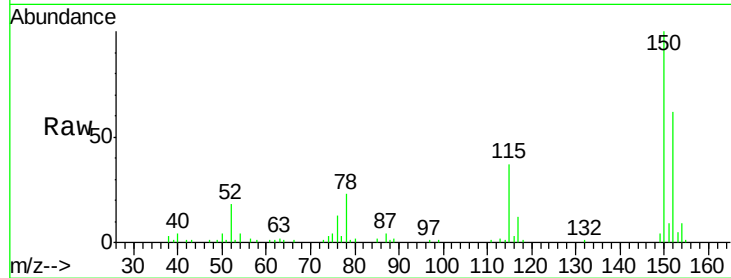


#1

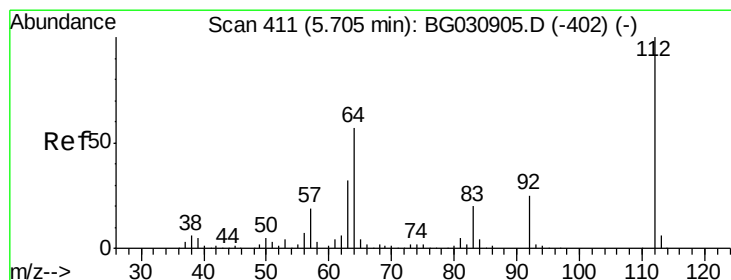
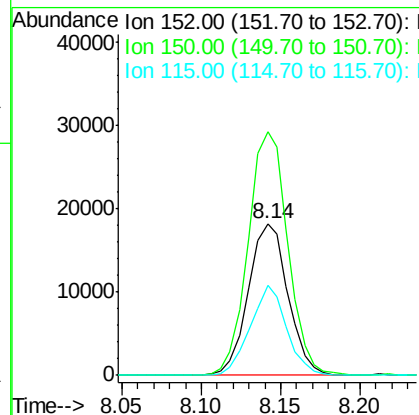
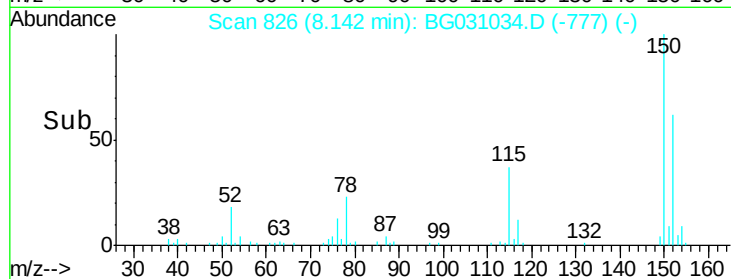
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG031034.D
Acq: 16 Nov 2017 5:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	189.8
115	59.5	53.0	79.4



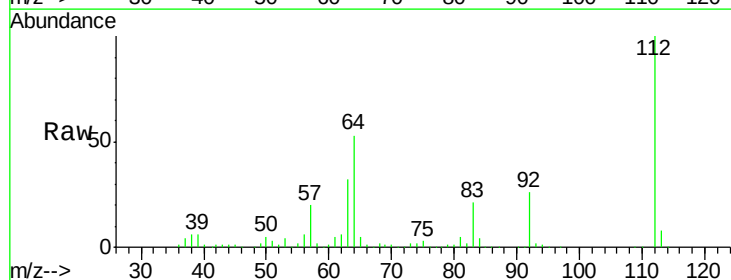
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



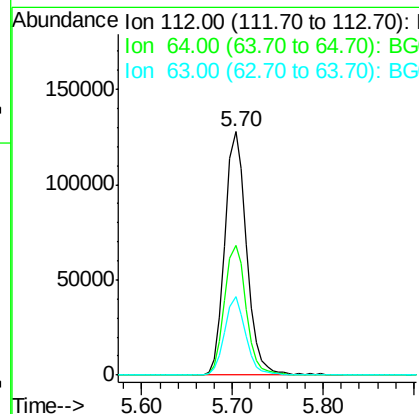
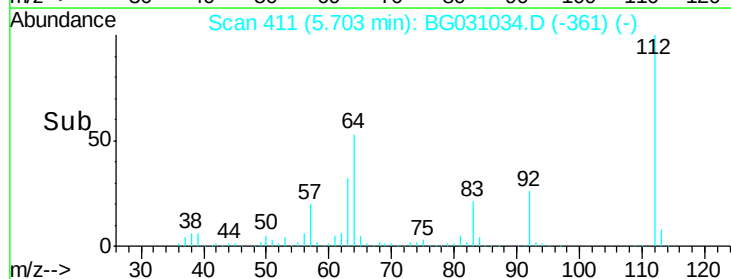
#5

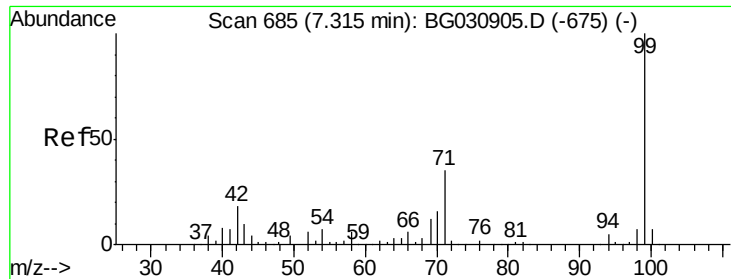
2-Fluorophenol
Concen: 115.05 ng
RT: 5.70 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG031034.D
Acq: 16 Nov 2017 5:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	56.3	84.5#
63	32.3	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: 88.06 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG031034.D

Acq: 16 Nov 2017 5:02

Instrument :

BNA_G

ClientSampleId :

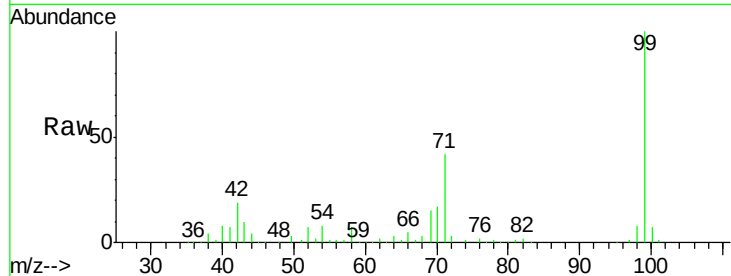
Tot Ion: 99 Resp: 218528

Ion Ratio Lower Upper

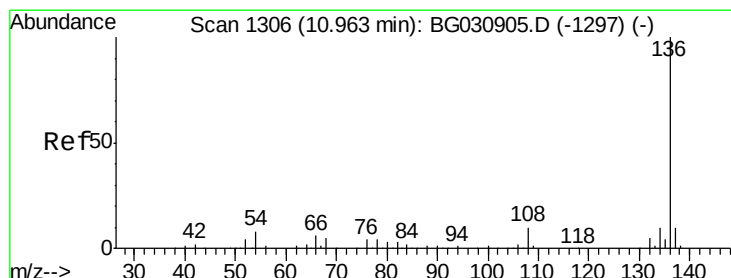
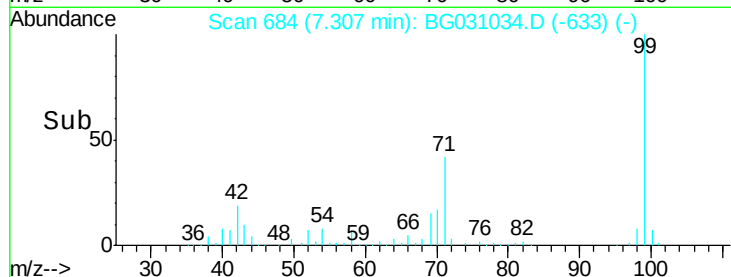
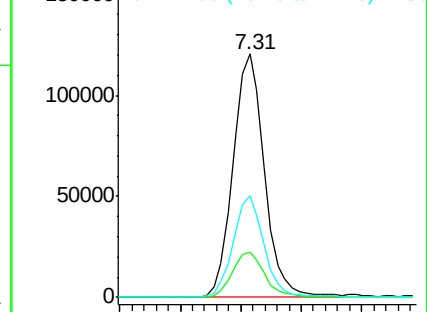
99 100

42 18.6 14.1 21.1

71 42.0 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG031034.D

Acq: 16 Nov 2017 5:02

Tgt Ion: 136 Resp: 120908

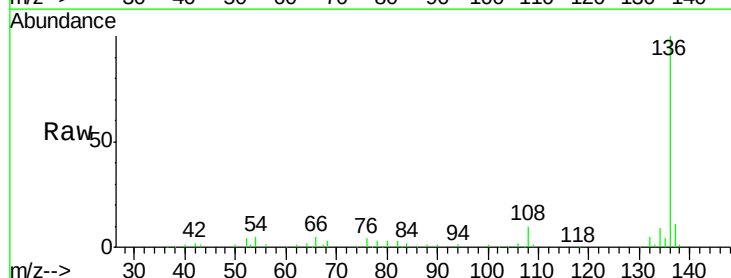
Ion Ratio Lower Upper

136 100

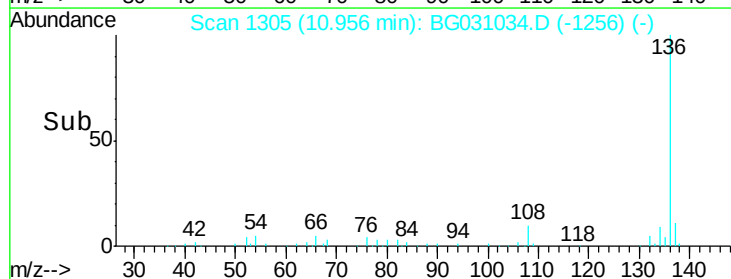
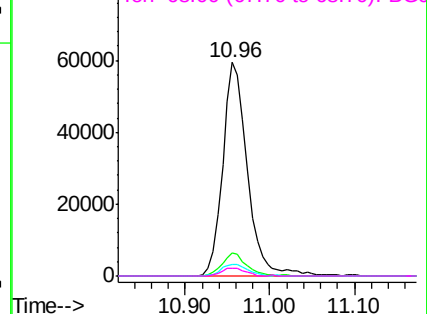
137 10.8 9.2 13.8

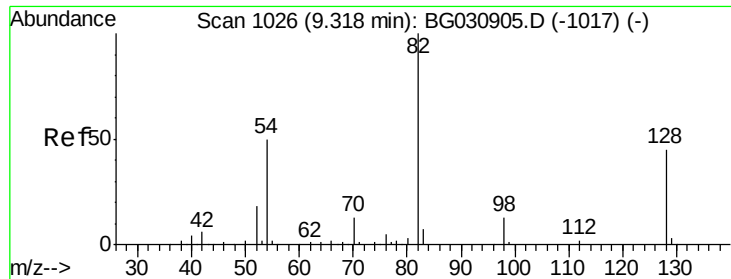
54 5.2 10.3 15.5#

68 3.3 4.5 6.7#



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

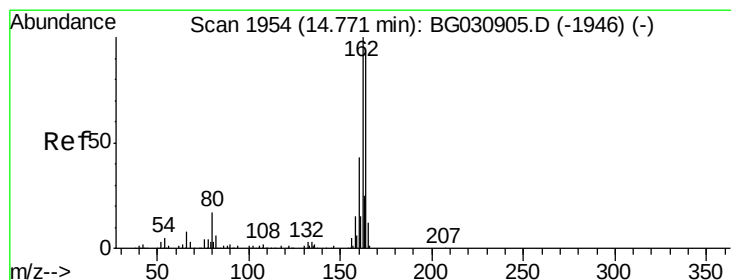
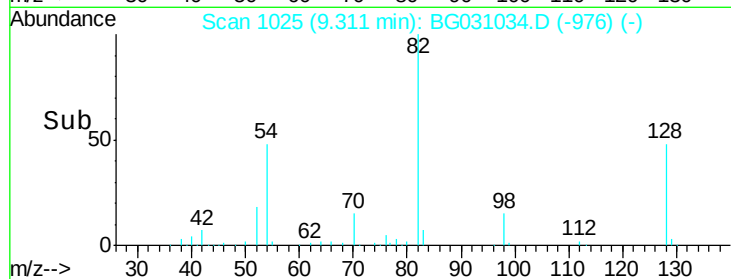
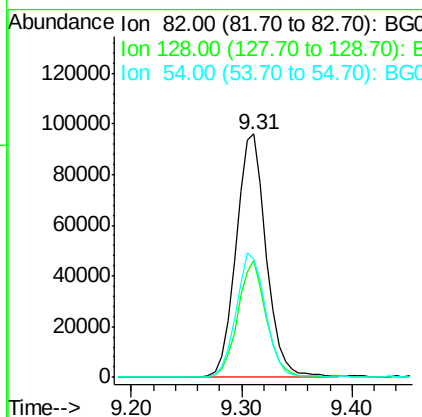
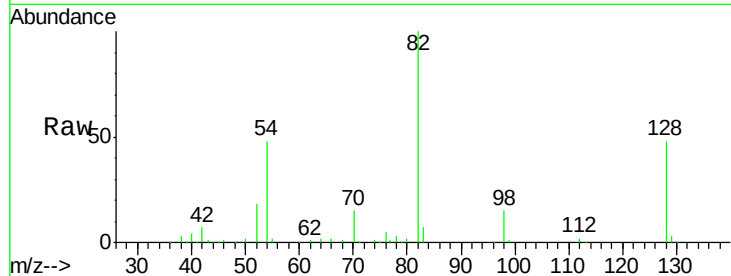




#23
 Nitrobenzene-d5
 Concen: 89.95 ng
 RT: 9.31 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

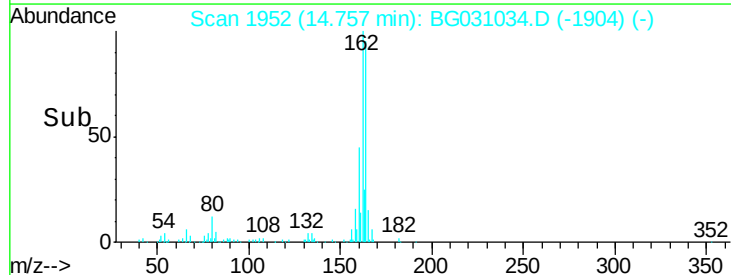
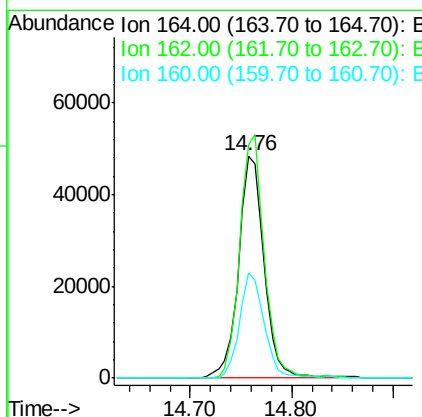
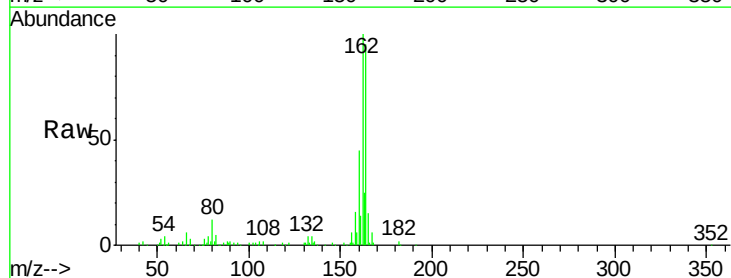
Instrument :
 BNA_G
 ClientSampleId :

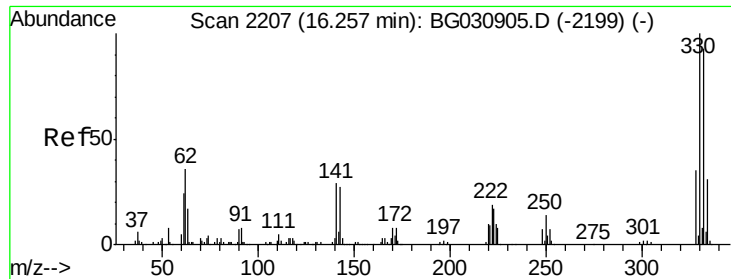
Tot Ion	82	Resp	183530
Ion Ratio	100	Lower	Upper
128	47.8	29.7	44.5#
54	48.4	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 1952
 Delta R.T. -0.02 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

Tgt Ion	164	Resp	84918
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	104.9	78.8	118.2
160	47.3	35.4	53.0

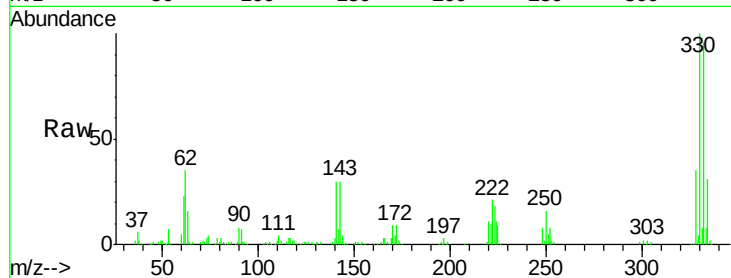




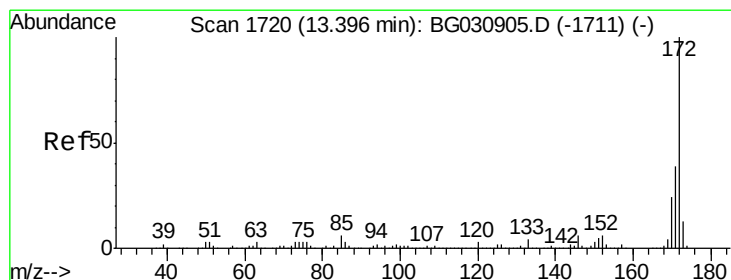
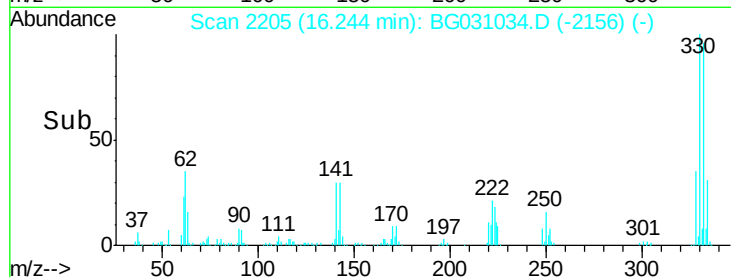
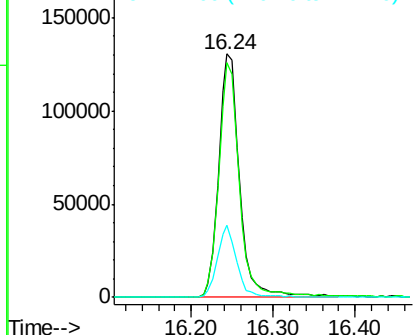
#41
 2,4,6-Tribromophenol
 Concen: 168.92 ng
 RT: 16.24 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	27.6	25.2	37.8

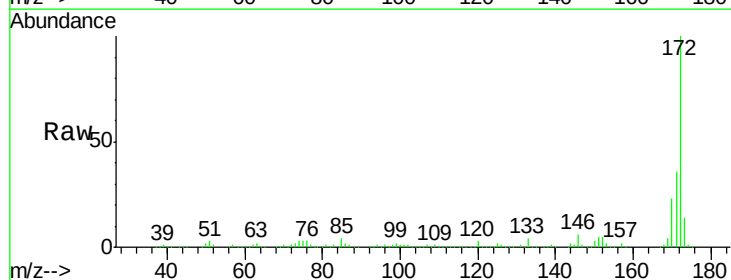


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

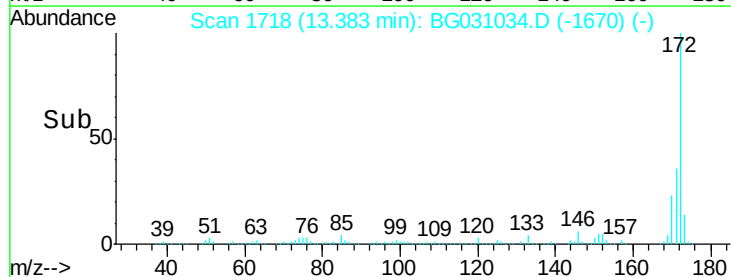
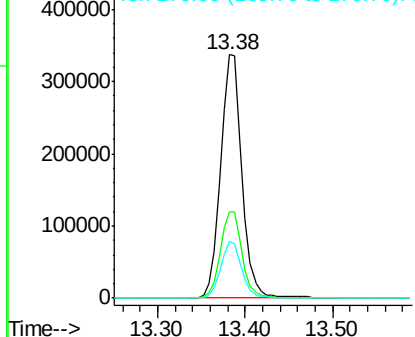


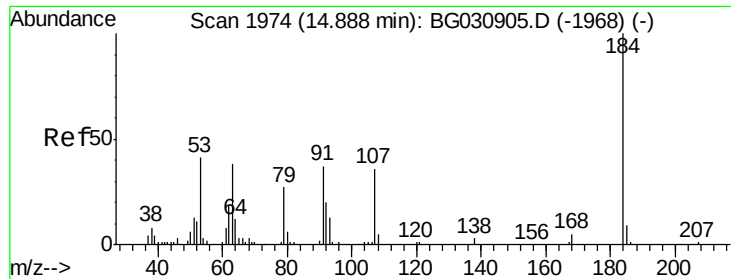
#44
 2-Fluorobiphenyl
 Concen: 96.51 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	23.1	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

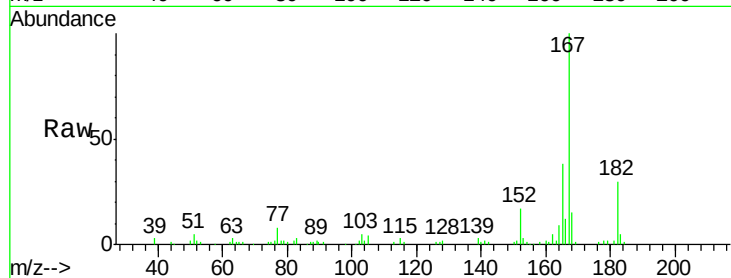




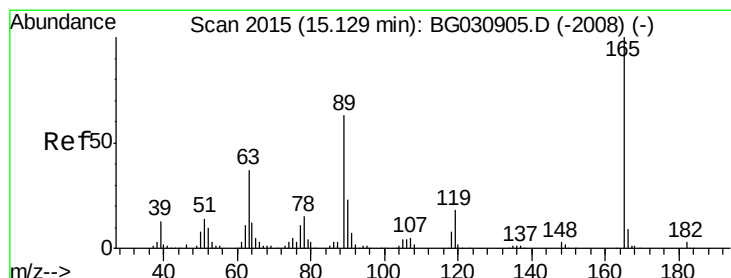
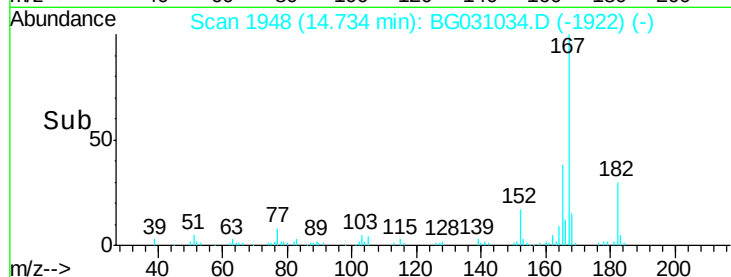
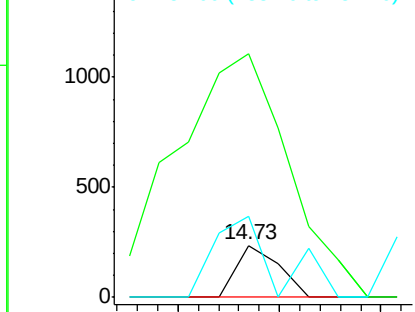
#53
 2,4-Dinitrophenol
 Concen: 6.02 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.15 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:184 Resp: 137
 Ion Ratio Lower Upper
 184 100
 63 468.6 59.8 89.8#
 154 155.1 101.8 152.8#

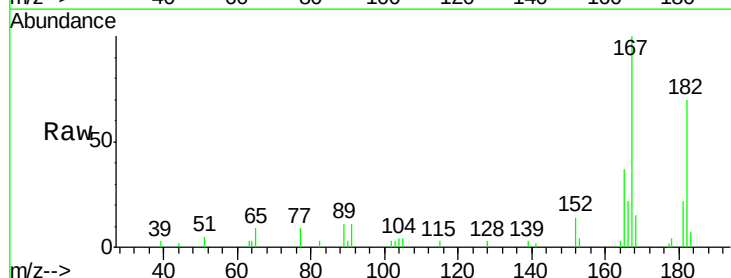


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

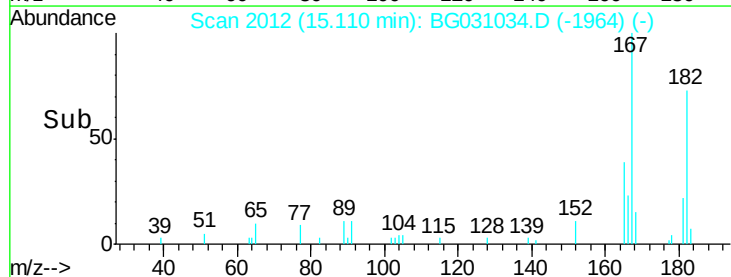
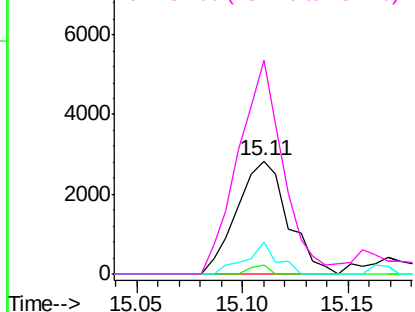


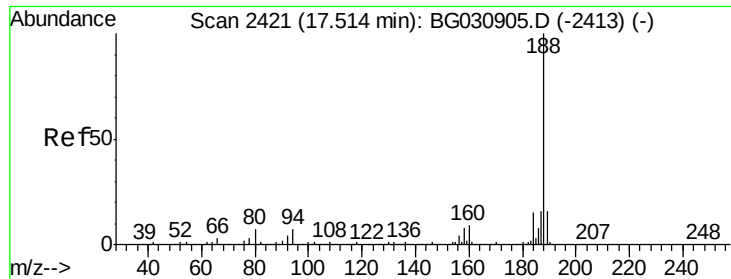
#56
 2,4-Dinitrotoluene
 Concen: 2.18 ng
 RT: 15.11 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BG031034.D
 Acq: 16 Nov 2017 5:02

Tgt Ion:165 Resp: 4773
 Ion Ratio Lower Upper
 165 100
 63 8.1 42.0 63.0#
 89 28.6 66.9 100.3#
 182 188.9 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG031034.D

Acq: 16 Nov 2017 5:02

Instrument :

BNA_G

ClientSampleId :

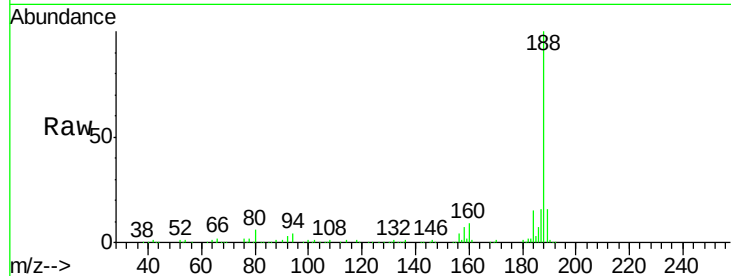
Tot Ion:188 Resp: 249460

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

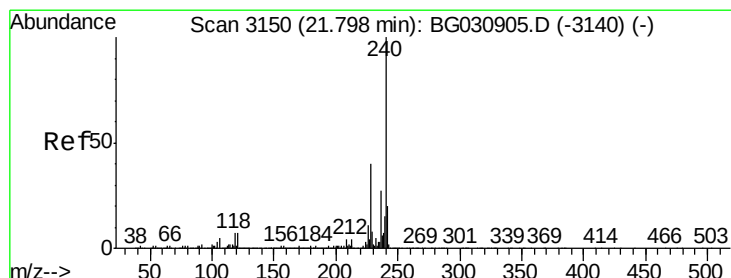
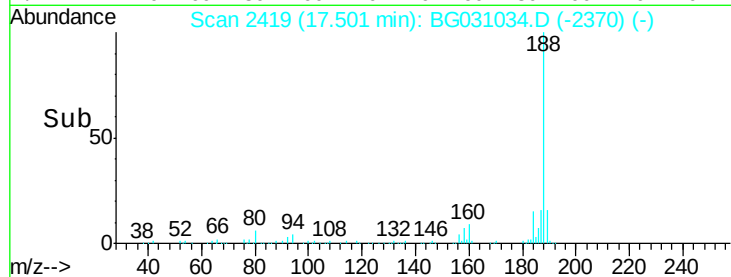
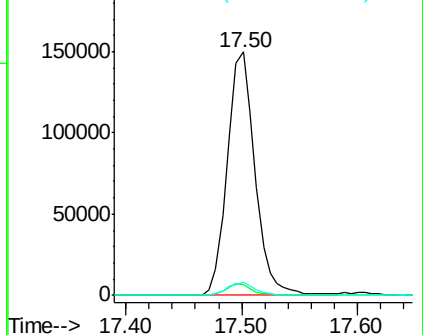
80 5.6 7.7 11.5#



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: BG031034.D

Acq: 16 Nov 2017 5:02

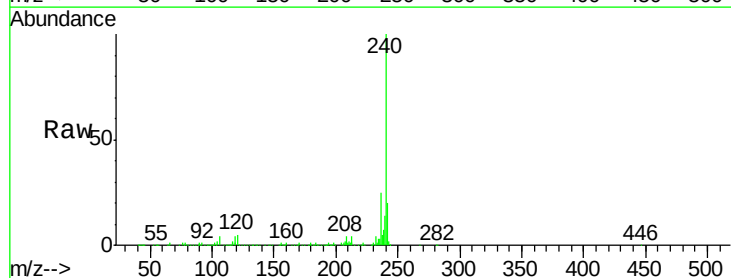
Tgt Ion:240 Resp: 382069

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

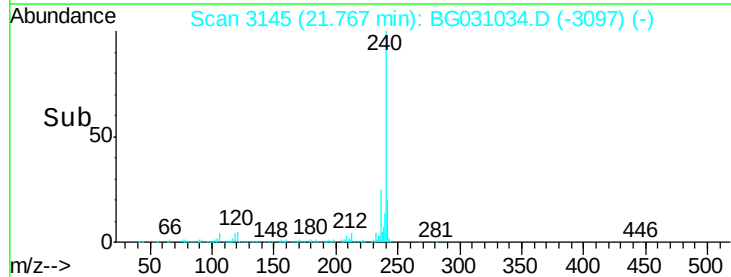
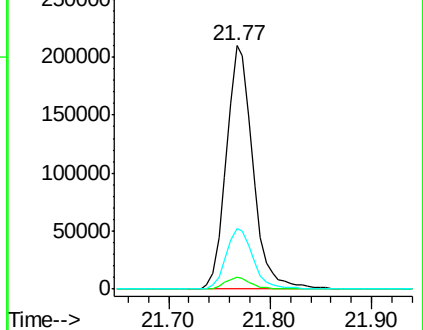
236 24.8 20.9 31.3

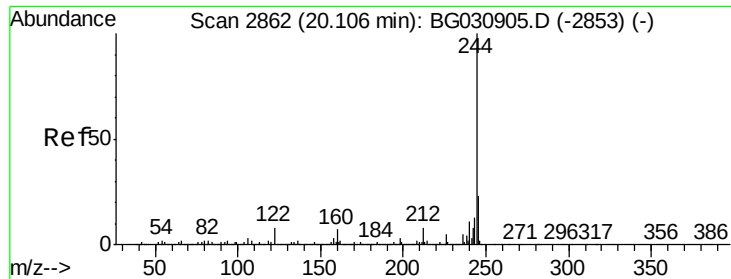


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 84.52 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG031034.D

Acq: 16 Nov 2017 5:02

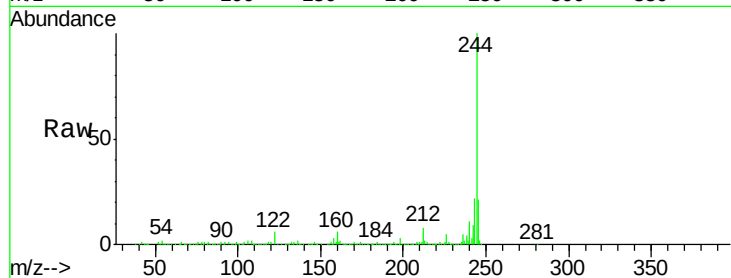
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1462439

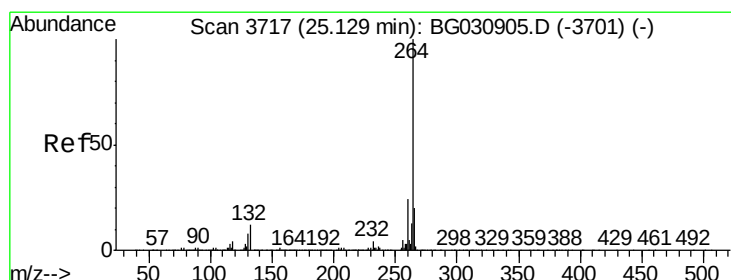
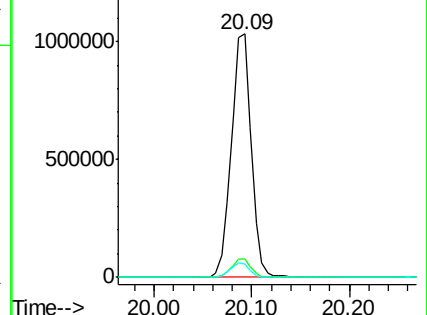
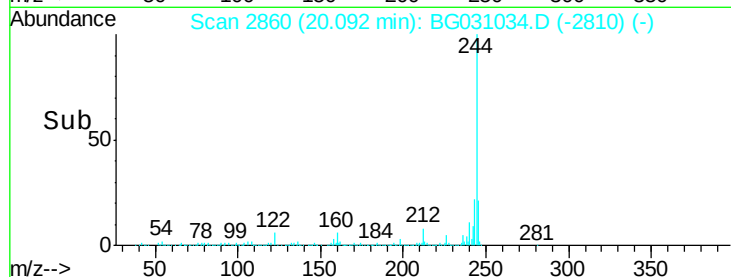
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	5.6	7.0	10.4



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

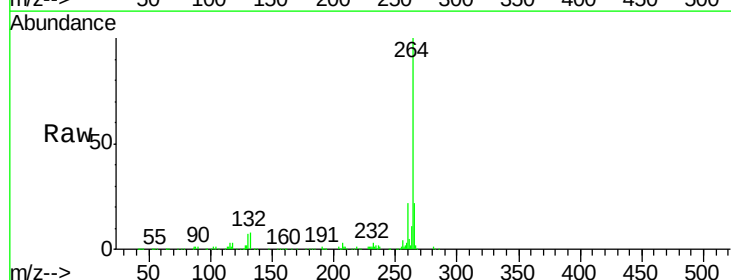
Delta R.T. -0.03 min

Lab File: BG031034.D

Acq: 16 Nov 2017 5:02

Tgt Ion:264 Resp: 376708

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.9	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

