

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032095.D
 Acq On : 17 Jan 2018 7:20
 Operator : SJ/JU
 Sample : J1113-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-19-2.5-3.0

Quant Time: Jan 17 10:42:27 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

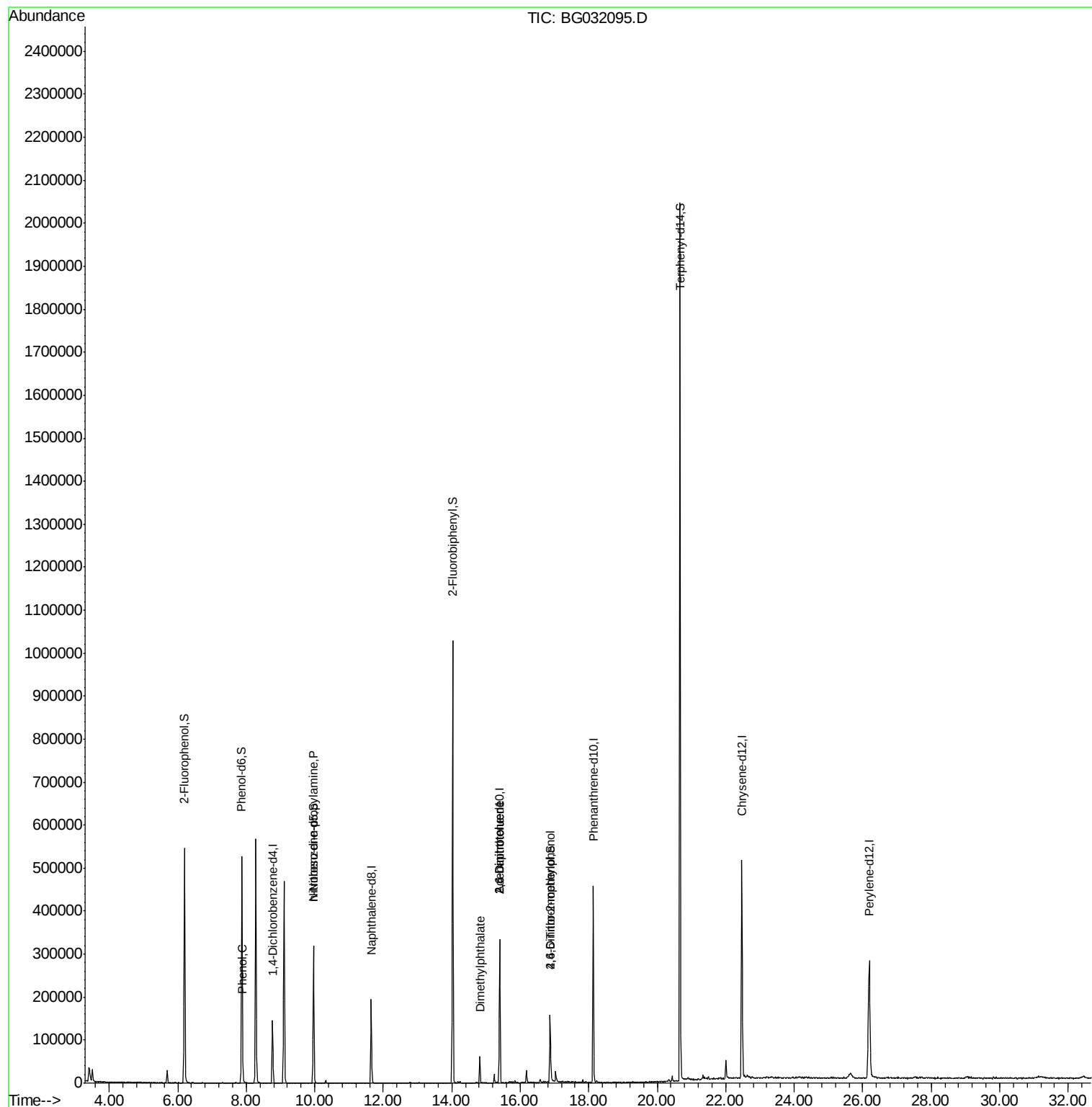
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	49735	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	189034	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	126841	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	321283	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	400349	20.00	ng	-0.01
86) Perylene-d12	26.19	264	408277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	288998	106.27	ng	0.00
7) Phenol-d6	7.87	99	344065	100.46	ng	0.00
23) Nitrobenzene-d5	9.96	82	204167	73.07	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	41231	19.64	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	630812	61.67	ng	0.00
78) Terphenyl-d14	20.66	244	1126413	62.13	ng	-0.01
Target Compounds						
10) Phenol	7.90	94	9694	2.873	ng	85
19) n-Nitroso-di-n-propylamine	9.96	70	27563	12.971	ng	# 70
49) Dimethylphthalate	14.82	163	45371	4.088	ng	# 97
50) 2,6-Dinitrotoluene	15.40	165	17045	7.398	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	17045	5.495	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	54	4.908	ng	# 57

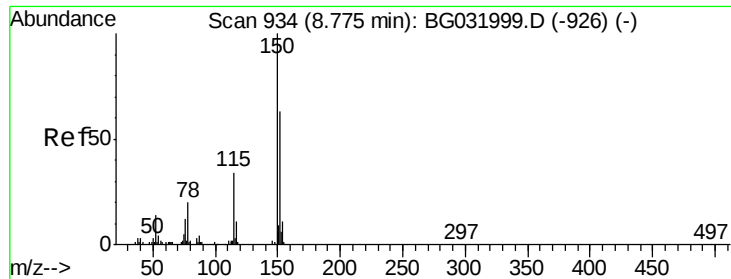
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



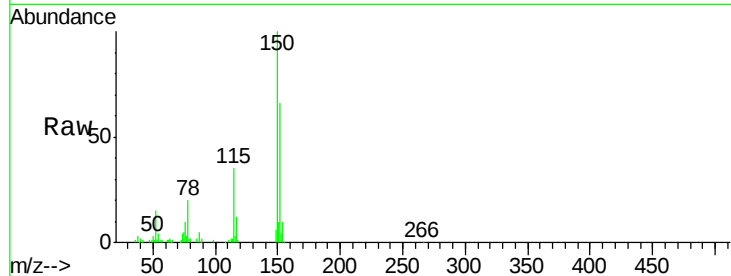


#1

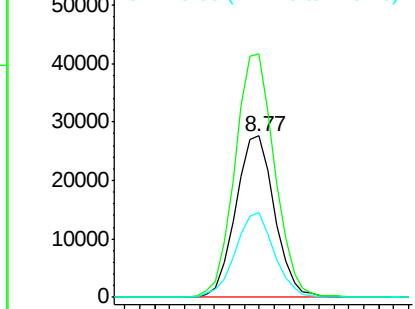
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032095.D
Acq: 17 Jan 2018 7:20

Instrument :
BNA_G
ClientSampleId :
SB-19-2.5-3.0

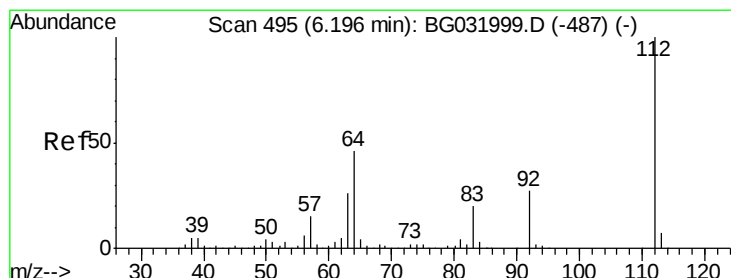
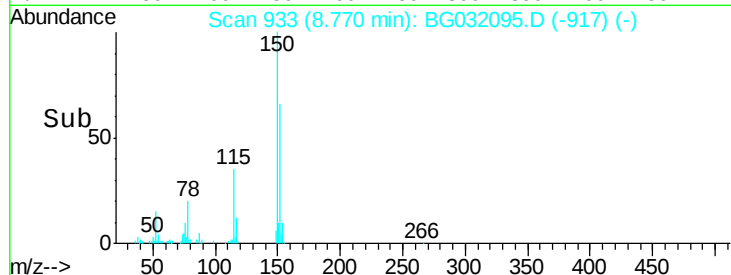
Tgt Ion:152 Resp: 49735
Ion Ratio Lower Upper
152 100
150 150.8 126.6 189.8
115 52.6 53.0 79.4#



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



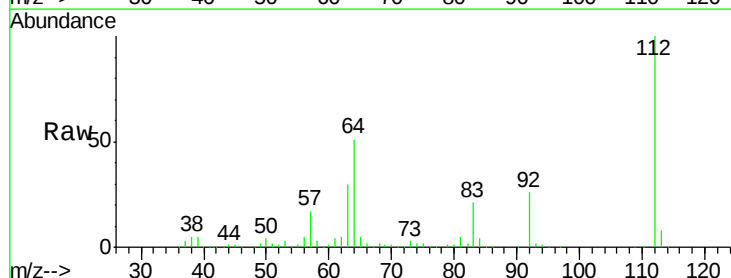
Time-->



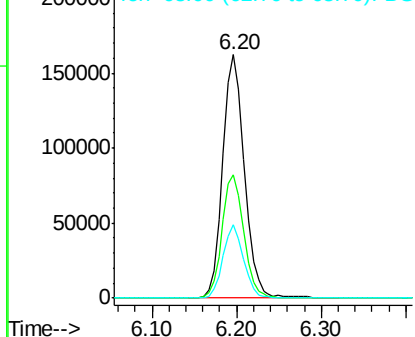
#5

2-Fluorophenol
Concen: 106.275 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032095.D
Acq: 17 Jan 2018 7:20

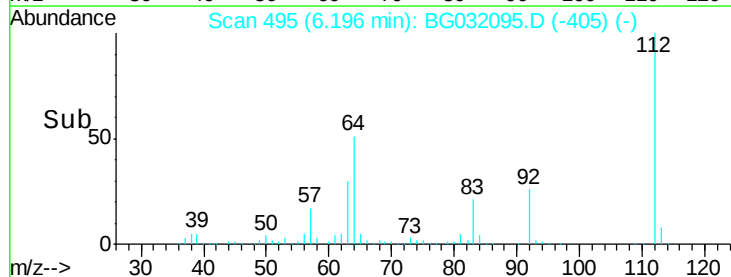
Tgt Ion:112 Resp: 288998
Ion Ratio Lower Upper
112 100
64 50.8 56.3 84.5#
63 30.0 30.1 45.1#

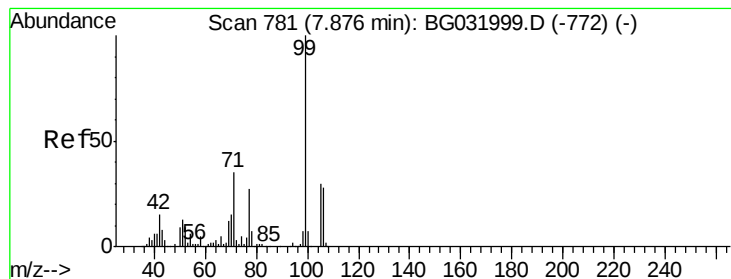


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 100.461 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

Instrument :

BNA_G

ClientSampleId :

SB-19-2.5-3.0

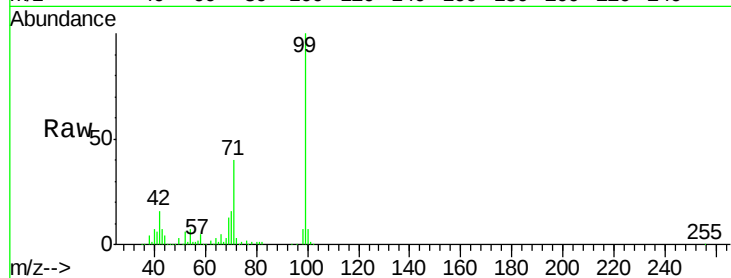
Tgt Ion: 99 Resp: 344065

Ion Ratio Lower Upper

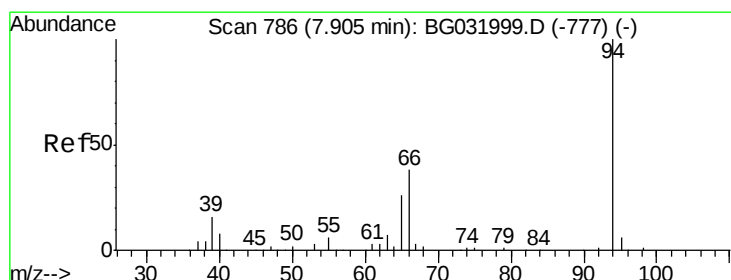
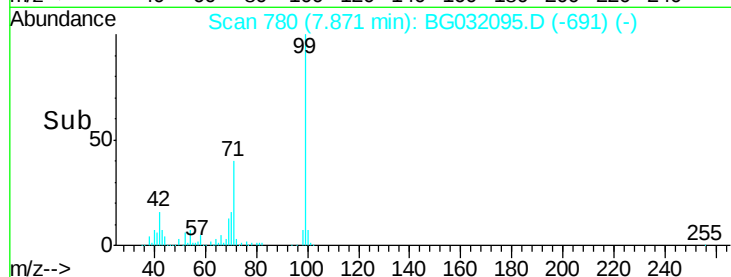
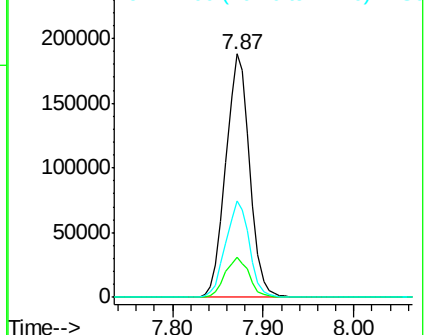
99 100

42 16.4 14.1 21.1

71 39.7 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: 2.873 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

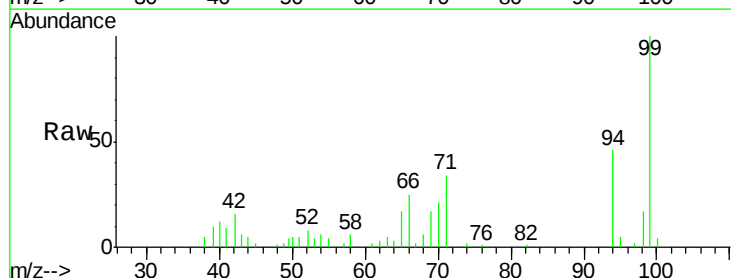
Tgt Ion: 94 Resp: 9694

Ion Ratio Lower Upper

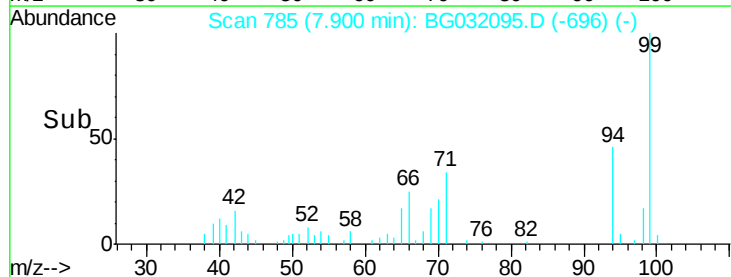
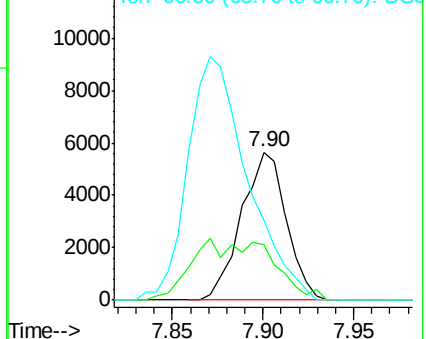
94 100

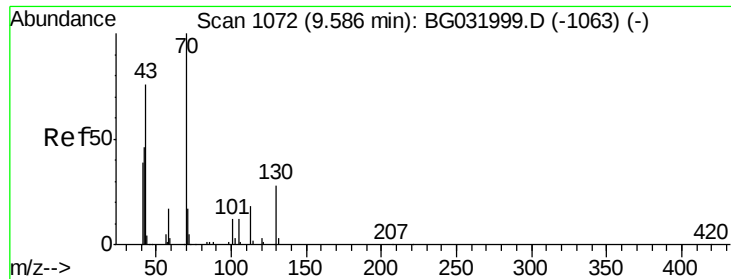
65 37.7 11.9 51.9

66 53.7 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

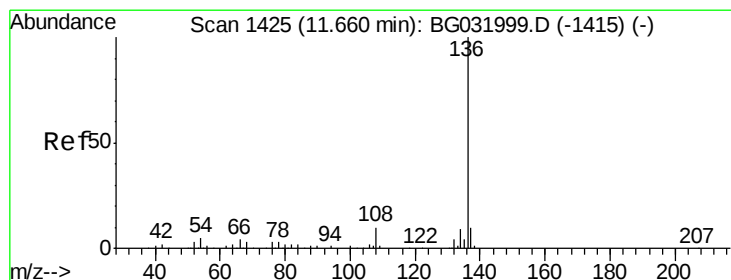
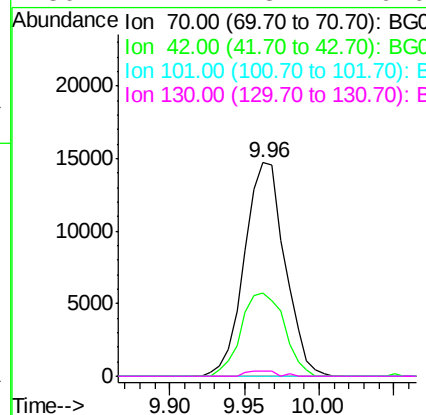
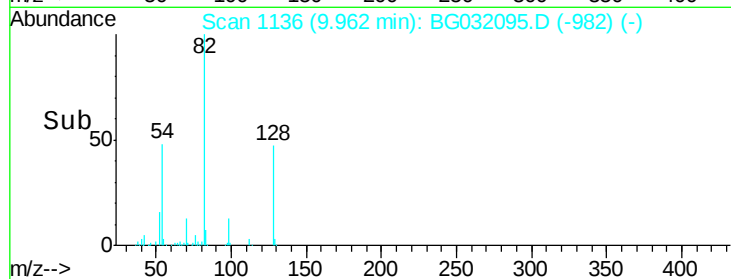
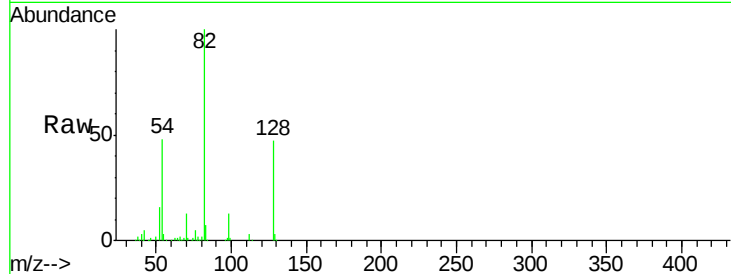




#19
n-Nitroso-di-n-propylamine
Concen: 12.971 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032095.D
Acq: 17 Jan 2018 7:20

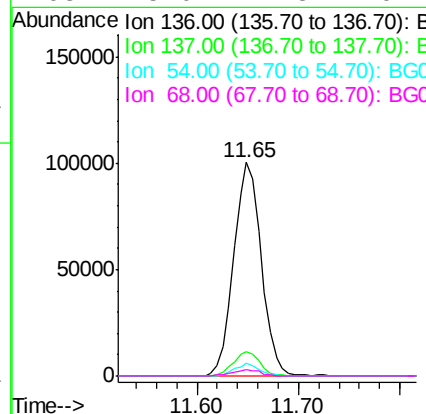
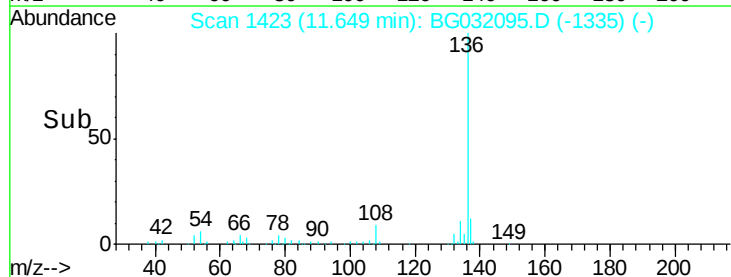
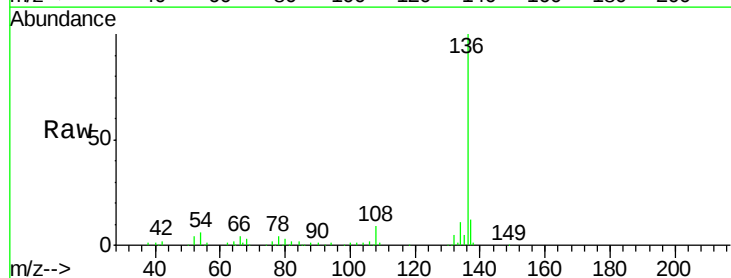
Instrument :
BNA_G
ClientSampleId :
SB-19-2.5-3.0

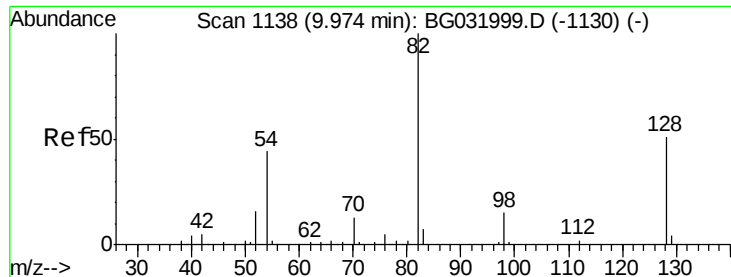
Tgt Ion: 70 Resp: 27563
Ion Ratio Lower Upper
70 100
42 39.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032095.D
Acq: 17 Jan 2018 7:20

Tgt Ion: 136 Resp: 189034
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 6.2 10.3 15.5#
68 3.0 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 73.070 ng

RT: 9.96 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

Instrument :

BNA_G

ClientSampled :

SB-19-2.5-3.0

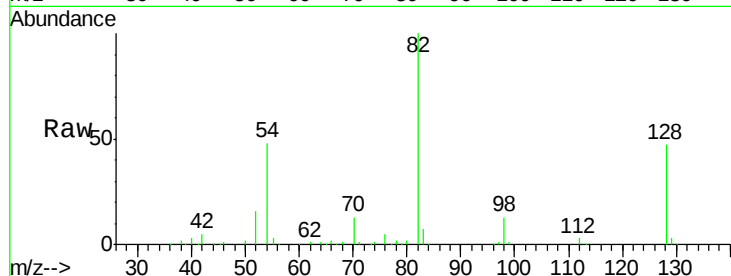
Tgt Ion: 82 Resp: 204167

Ion Ratio Lower Upper

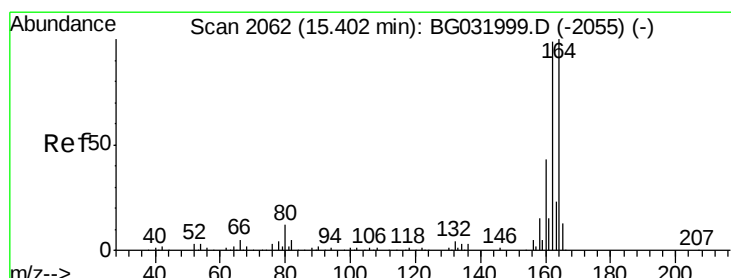
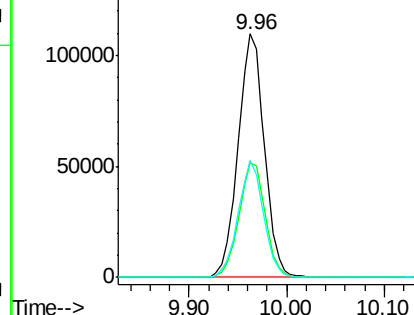
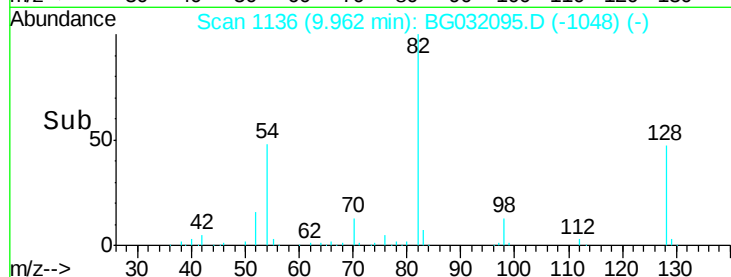
82 100

128 47.1 29.7 44.5#

54 48.0 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: 15.40 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

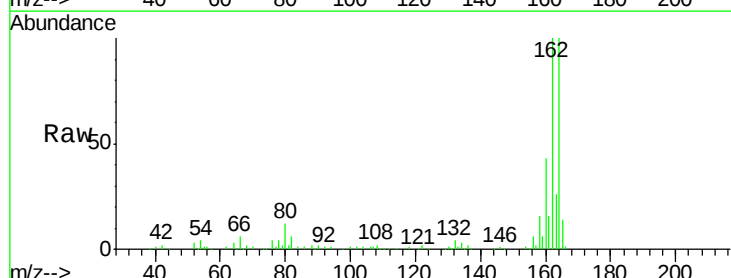
Tgt Ion: 164 Resp: 126841

Ion Ratio Lower Upper

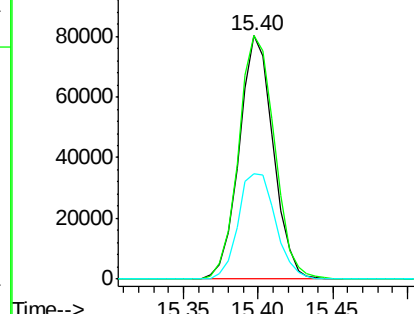
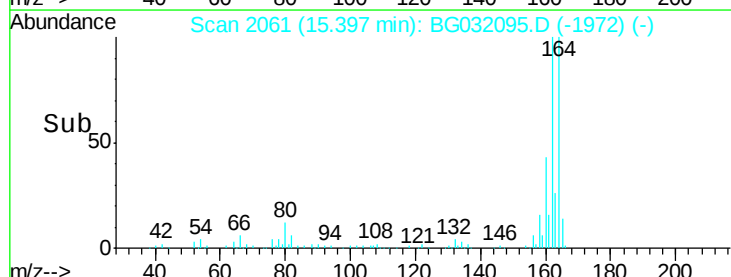
164 100

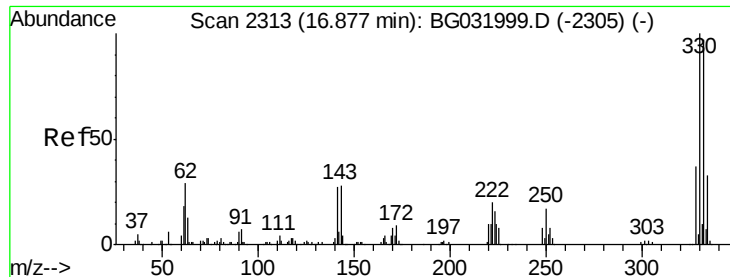
162 100.0 78.8 118.2

160 43.2 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: 19.644 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

Instrument :

BNA_G

ClientSampleId :

SB-19-2.5-3.0

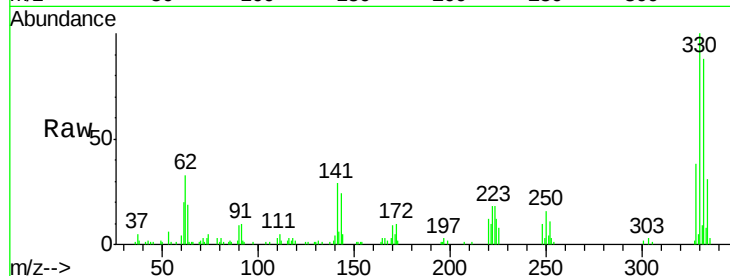
Tgt Ion:330 Resp: 41231

Ion Ratio Lower Upper

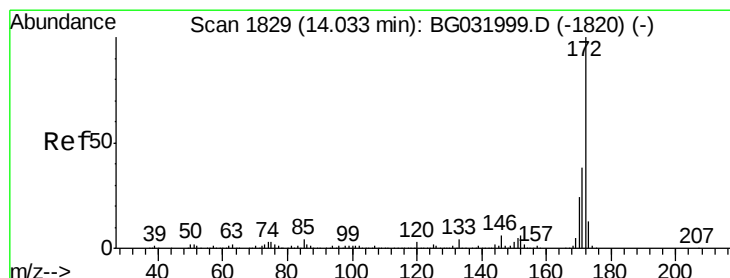
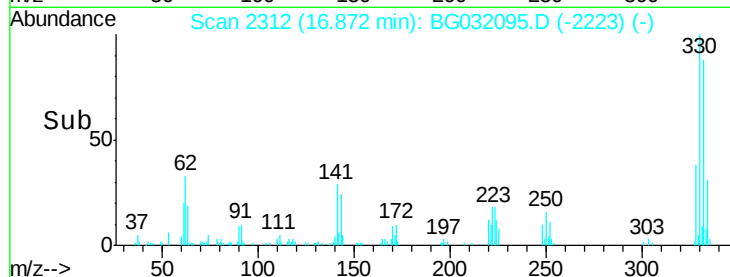
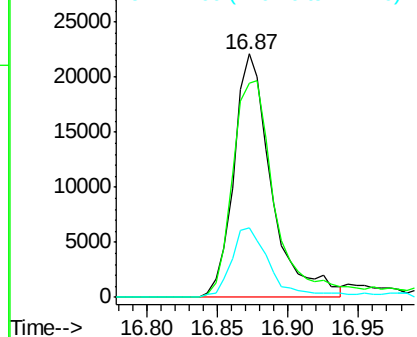
330 100

332 100.1 77.0 115.6

141 29.5 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: 61.666 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

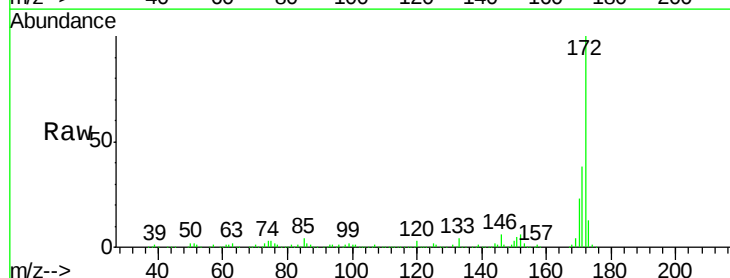
Tgt Ion:172 Resp: 630812

Ion Ratio Lower Upper

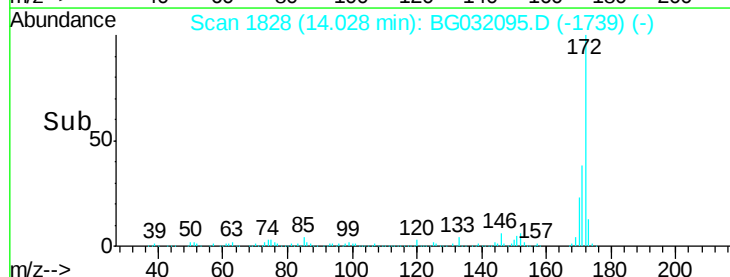
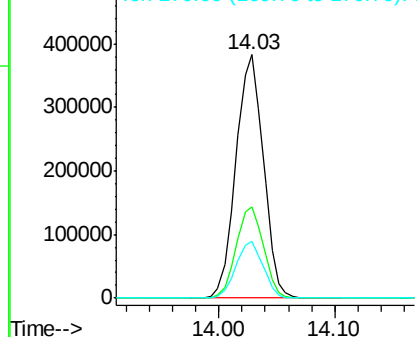
172 100

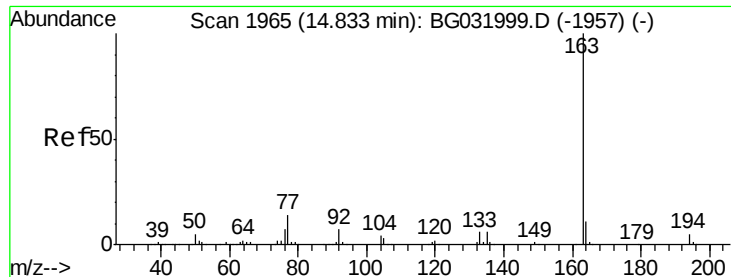
171 37.5 30.0 45.0

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





#49

Dimethylphthalate

Concen: 4.088 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

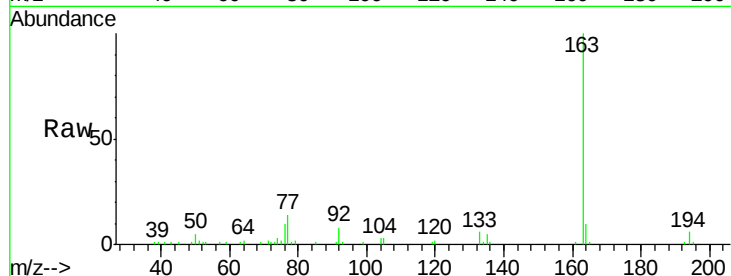
Instrument :

BNA_G

ClientSampleId :

SB-19-2.5-3.0

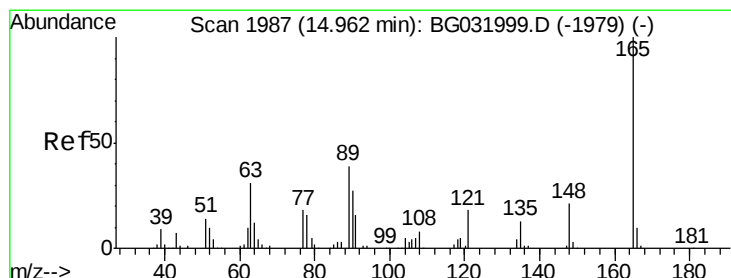
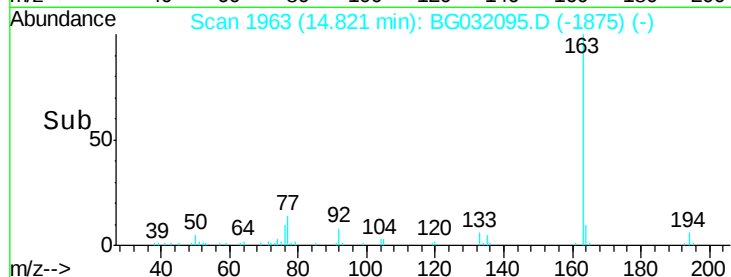
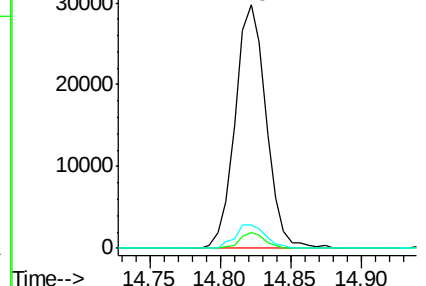
Tgt Ion:	163	Resp:	45371
Ion Ratio	Lower	Upper	
163	100		
194	6.3	3.4	5.2#
164	9.8	8.2	12.4



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



#50

2,6-Dinitrotoluene

Concen: 7.398 ng

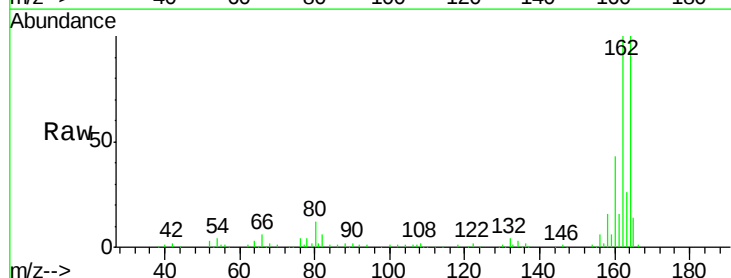
RT: 15.40 min Scan# 2061

Delta R.T. 0.44 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

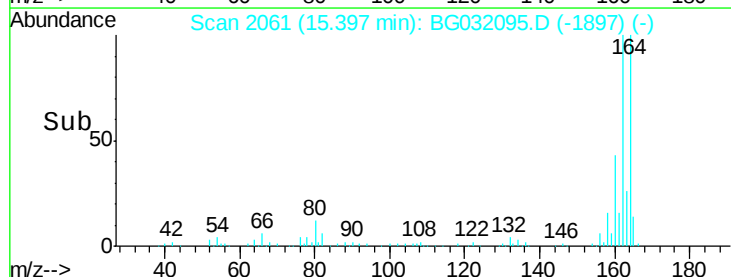
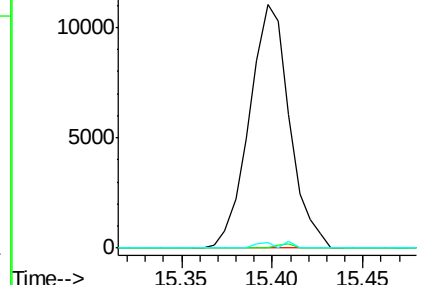
Tgt Ion:	165	Resp:	17045
Ion Ratio	Lower	Upper	
165	100		
63	0.0	52.7	79.1#
89	2.3	49.2	73.8#

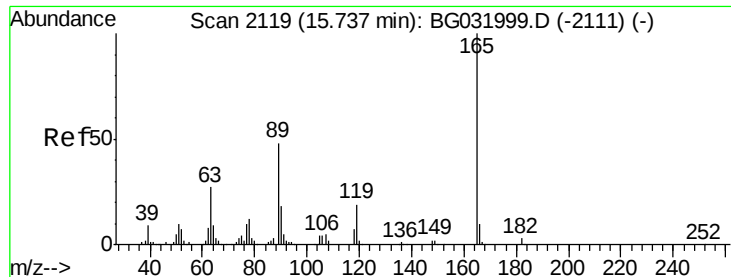


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

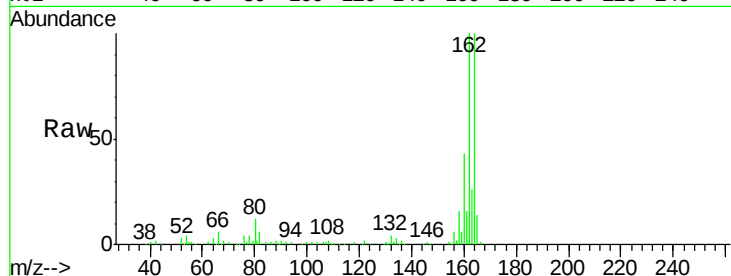




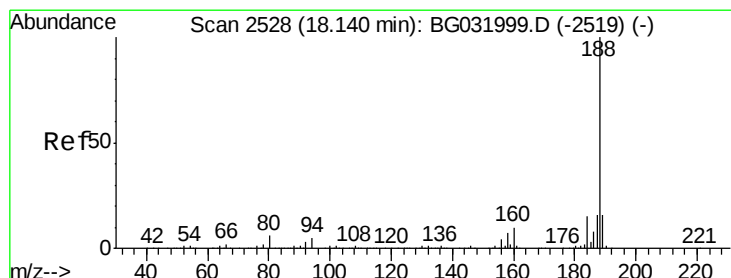
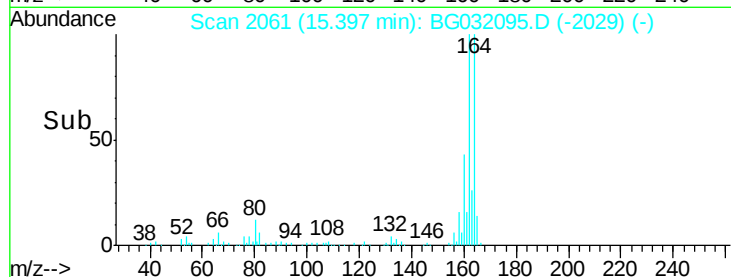
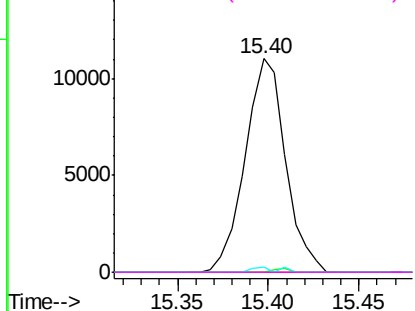
#56
 2,4-Dinitrotoluene
 Concen: 5.495 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032095.D
 Acq: 17 Jan 2018 7:20

Instrument :
 BNA_G
 ClientSampleId :
 SB-19-2.5-3.0

Tgt Ion:165 Resp: 17045
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.3 66.9 100.3#
 182 0.0 2.6 3.8#

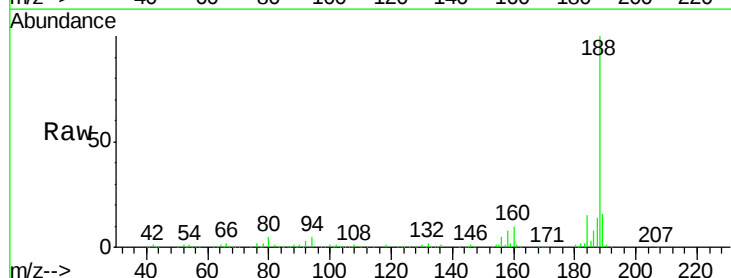


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

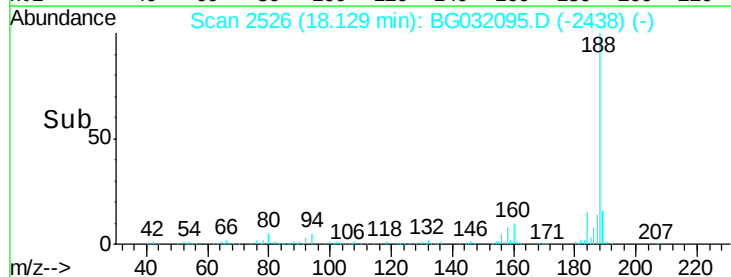
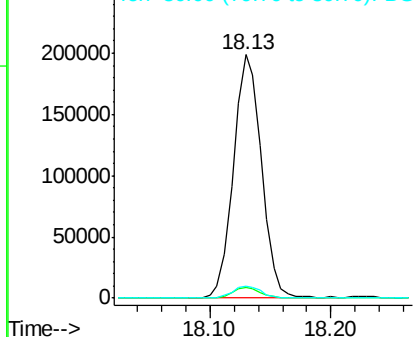


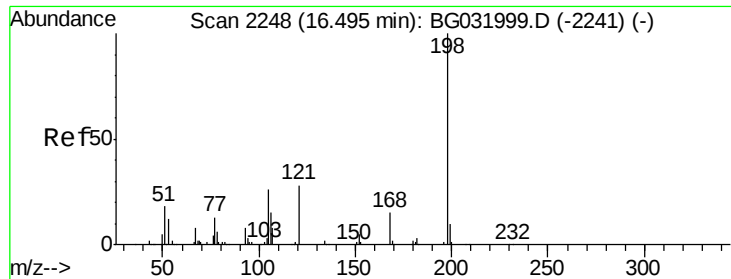
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032095.D
 Acq: 17 Jan 2018 7:20

Tgt Ion:188 Resp: 321283
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 5.0 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





#64

4,6-Dinitro-2-methylphenol

Concen: 4.908 ng

RT: 16.87 min Scan# 2311

Delta R.T. 0.37 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

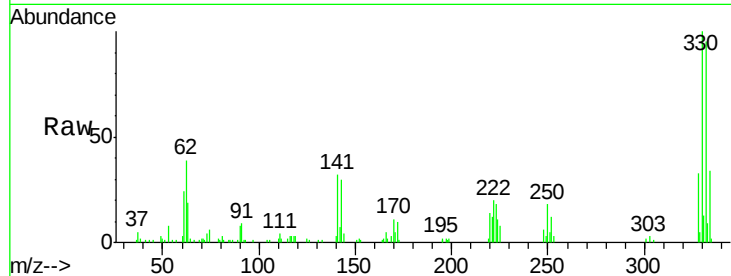
Instrument :

BNA_G

ClientSampleId :

SB-19-2.5-3.0

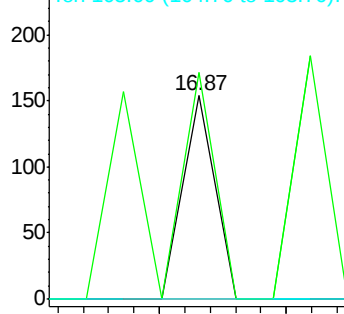
Tgt Ion:	198	Resp:	54
Ion Ratio	Lower	Upper	
198	100		
51	36.3	30.6	70.6
105	0.0	23.8	63.8#



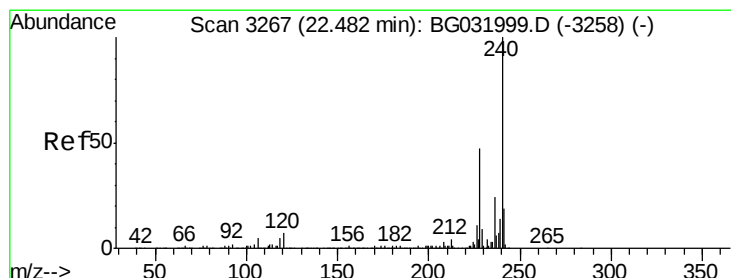
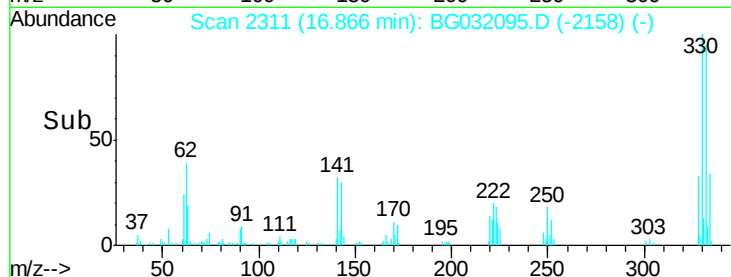
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

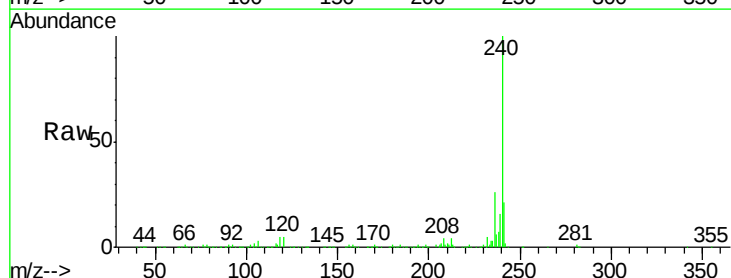
RT: 22.47 min Scan# 3265

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

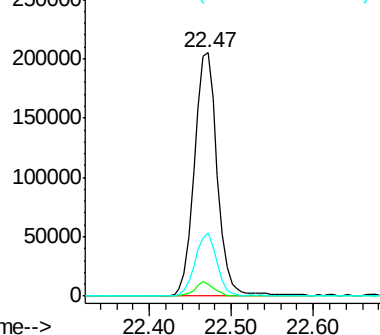
Tgt Ion:	240	Resp:	400349
Ion Ratio	Lower	Upper	
240	100		
120	4.8	6.8	10.2#
236	25.9	20.9	31.3



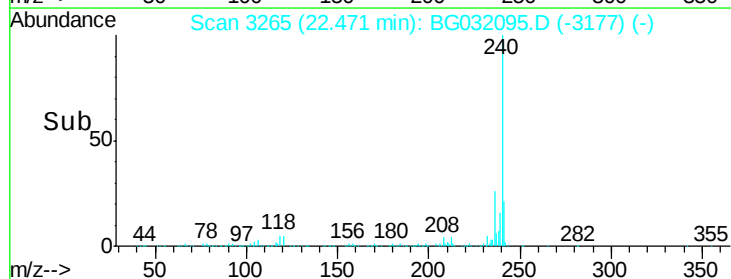
Abundance Ion 240.00 (239.70 to 240.70): E

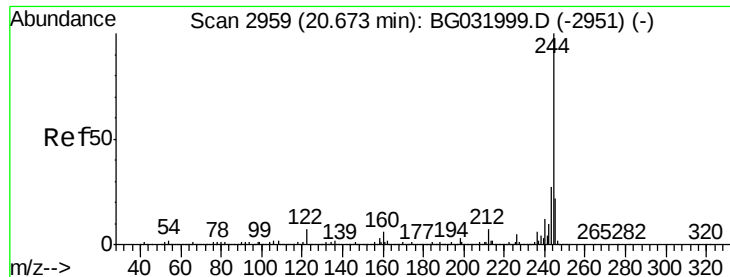
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 62.125 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

Instrument :

BNA_G

ClientSampleId :

SB-19-2.5-3.0

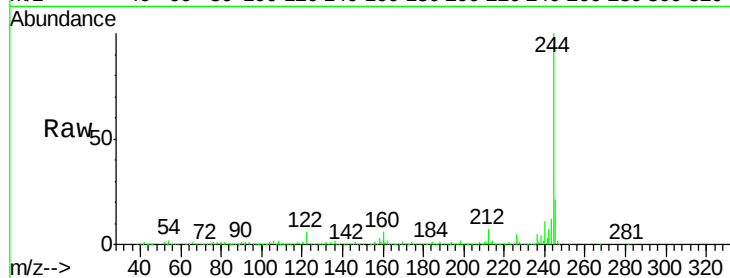
Tgt Ion:244 Resp: 1126413

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

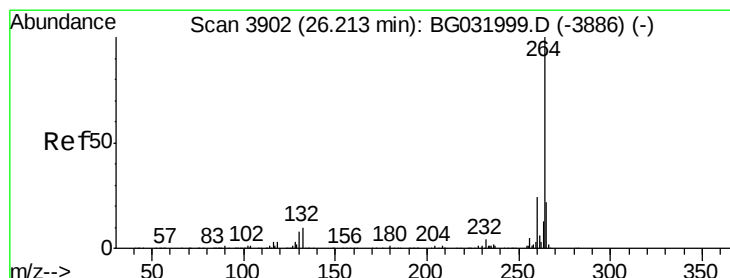
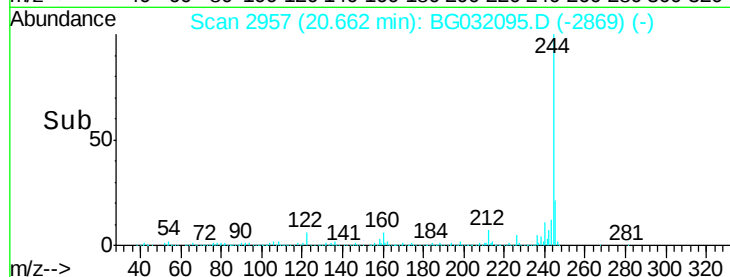
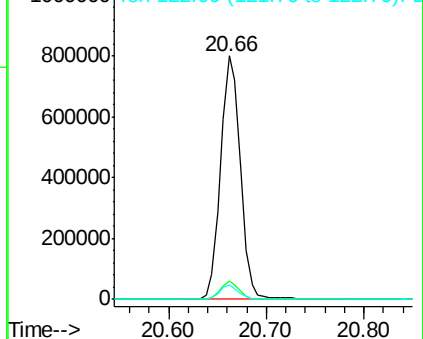
122 6.0 7.0 10.4#



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: 26.19 min Scan# 3898

Delta R.T. -0.02 min

Lab File: BG032095.D

Acq: 17 Jan 2018 7:20

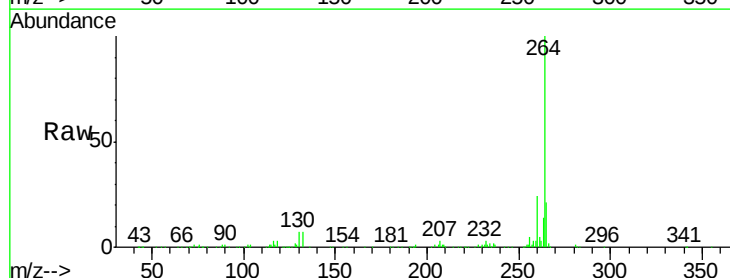
Tgt Ion:264 Resp: 408277

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.5 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

