

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033095.D
 Acq On : 12 Mar 2018 18:41
 Operator : SJ/JU
 Sample : J2868-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:44:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	40726	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	187625	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110093	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	258153	20.00	ng	0.00
75) Chrysene-d12	22.60	240	245700	20.00	ng	0.00
86) Perylene-d12	26.40	264	246674	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	104515	41.06	ng	0.00
7) Phenol-d6	8.00	99	86053	24.25	ng	0.00
23) Nitrobenzene-d5	10.11	82	315822	113.10	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	119988	103.65	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	694463	90.98	ng	0.00
78) Terphenyl-d14	20.77	244	1042514	95.33	ng	0.00

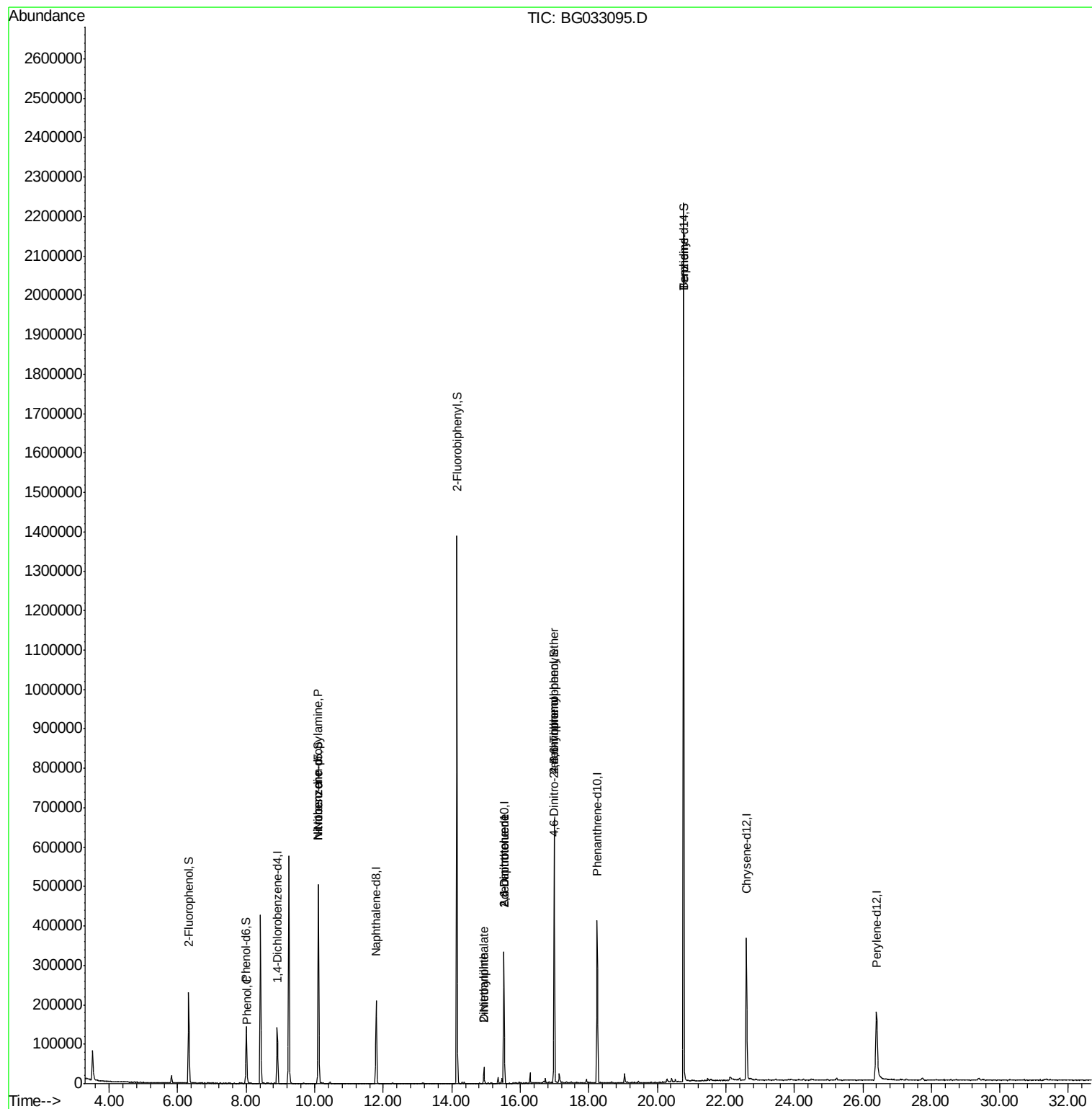
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	8.03	94	8025	2.244	ng	93
19) n-Nitroso-di-n-propylamine	10.11	70	41857	16.710	ng	# 85
24) Nitrobenzene	10.11	77	901	6.641	ng	# 42
47) 2-Nitroaniline	14.95	65	207	9.927	ng	# 1
49) Dimethylphthalate	14.94	163	24730	2.646	ng	98
50) 2,6-Dinitrotoluene	15.52	165	14441	16.501	ng	# 19
56) 2,4-Dinitrotoluene	15.52	165	14441	14.700	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.98	198	453	5.694	ng	89
66) 4-Bromophenyl-phenylether	17.00	248	8536	3.127	ng	# 1
76) Benzidine	20.77	184	17778	2.123	ng	95

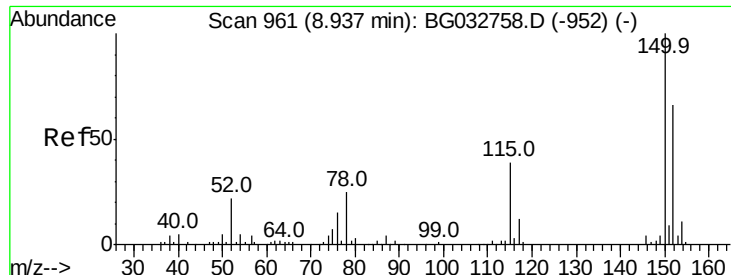
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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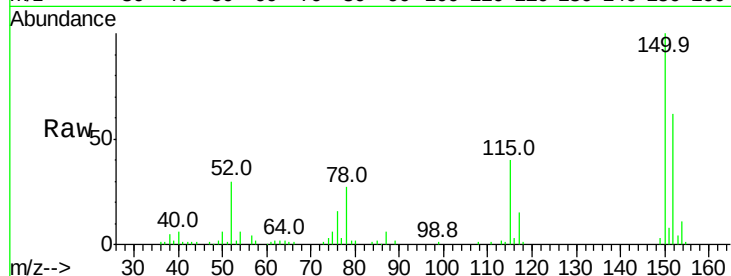


#1

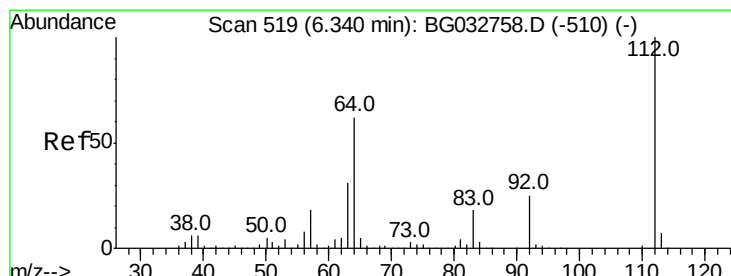
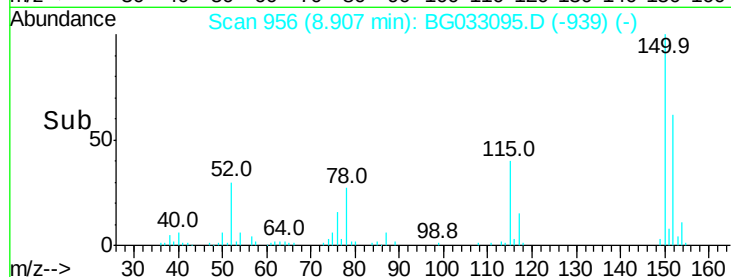
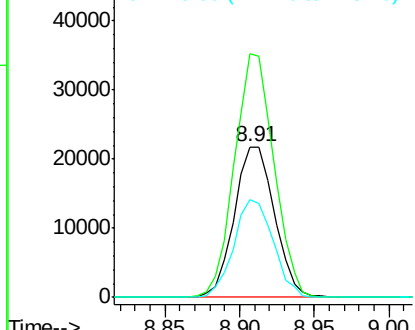
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40726
Ion Ratio Lower Upper
152 100
150 161.9 126.6 189.8
115 65.1 53.0 79.4



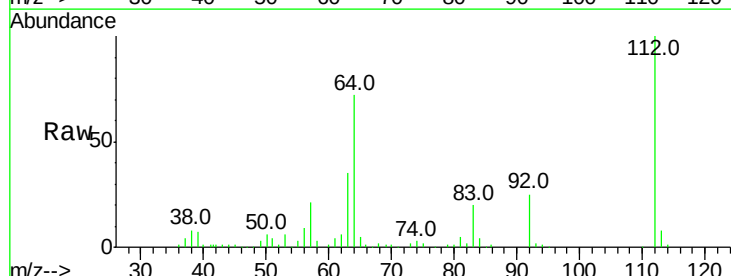
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



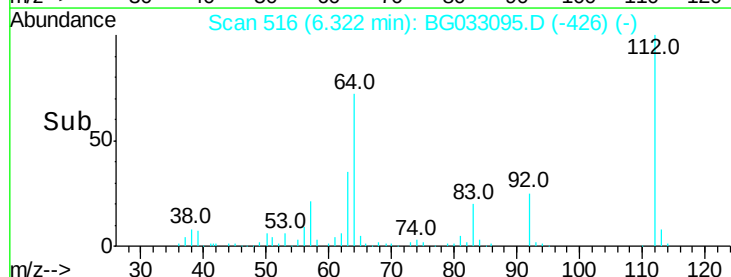
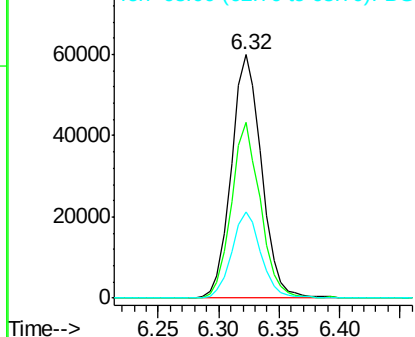
#5

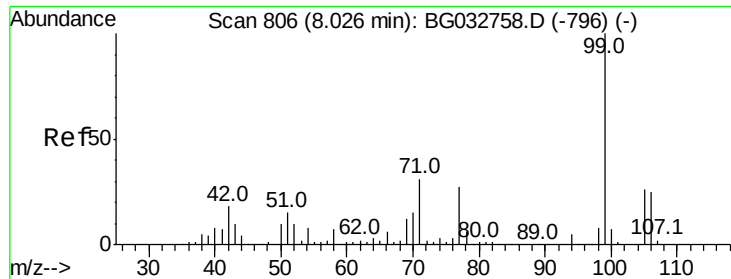
2-Fluorophenol
Concen: 41.057 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Tgt Ion:112 Resp: 104515
Ion Ratio Lower Upper
112 100
64 72.1 56.3 84.5
63 35.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 24.252 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Instrument :

BNA_G

ClientSampleId :

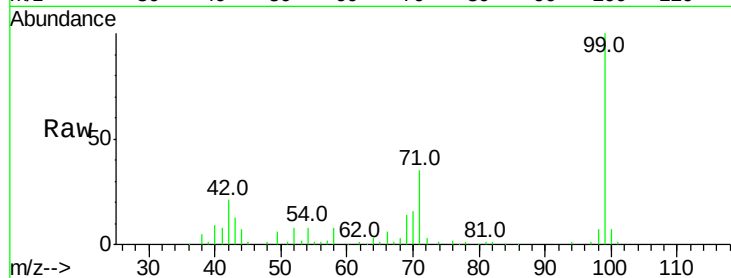
Tot Ion: 99 Resp: 86053

Ion Ratio Lower Upper

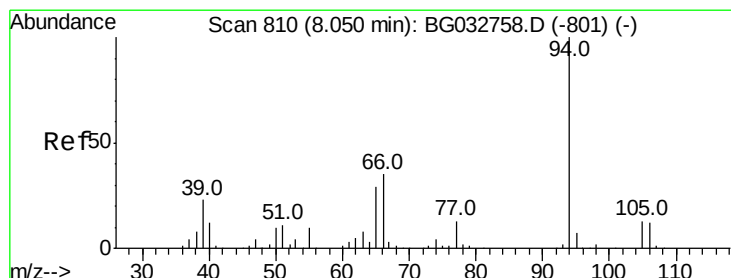
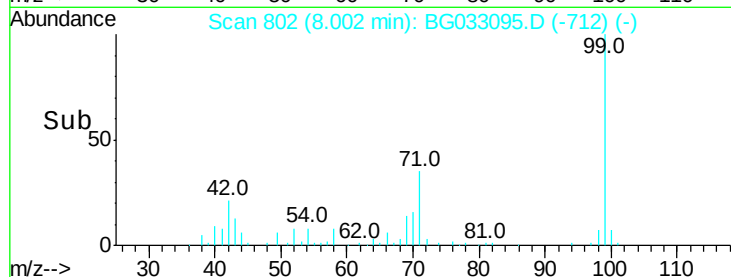
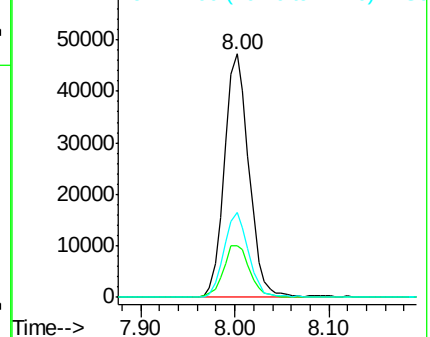
99 100

42 21.1 14.1 21.1

71 34.7 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: 2.244 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

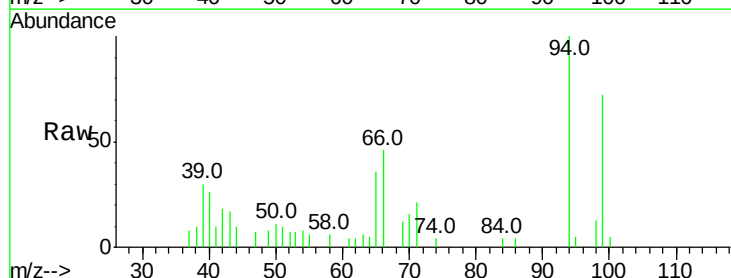
Tgt Ion: 94 Resp: 8025

Ion Ratio Lower Upper

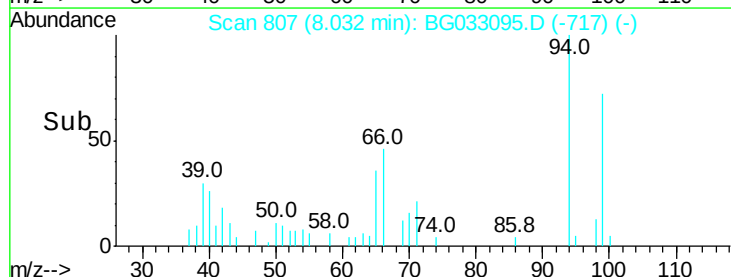
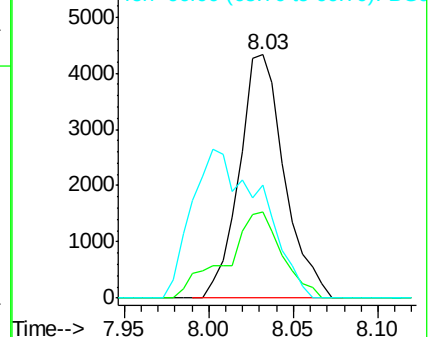
94 100

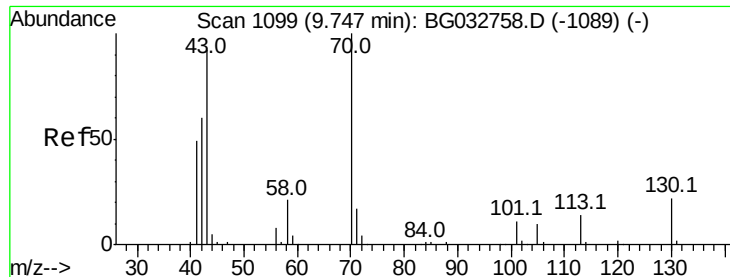
65 35.6 11.9 51.9

66 46.5 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

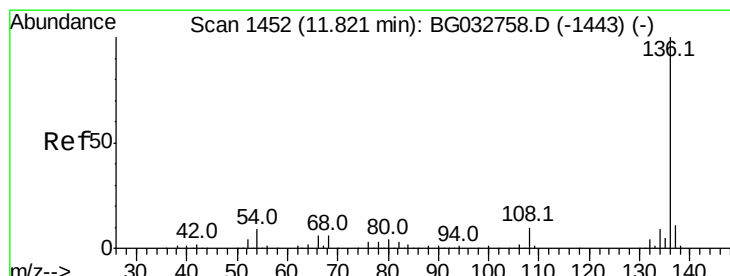
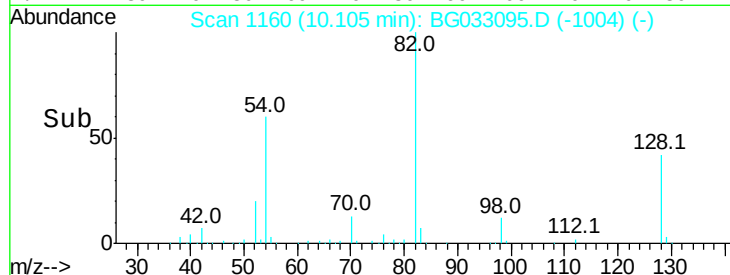
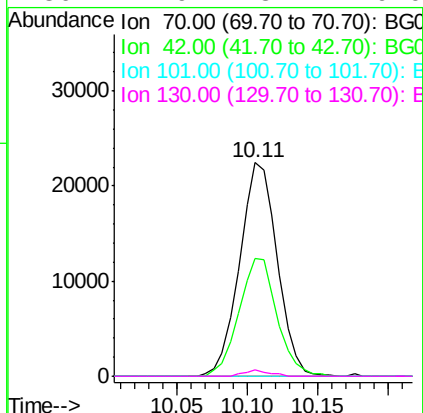
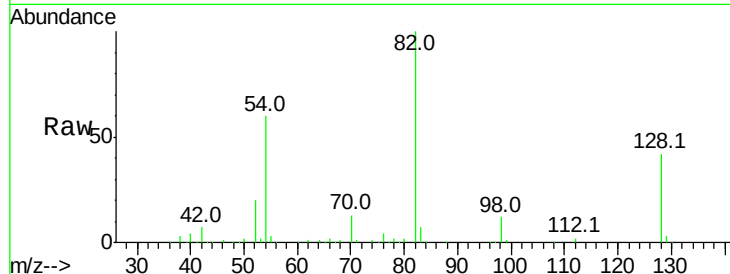




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.710 ng
 RT: 10.11 min Scan# 1160
 Delta R.T. 0.39 min
 Lab File: BG033095.D
 Acq: 12 Mar 2018 18:41

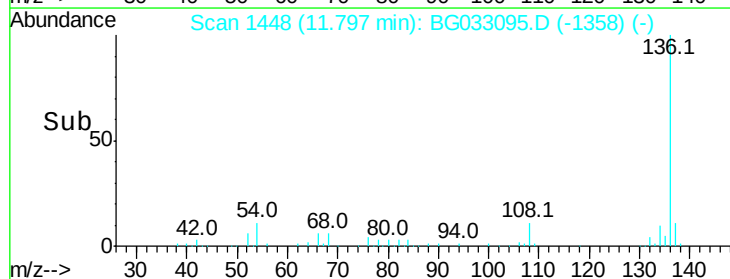
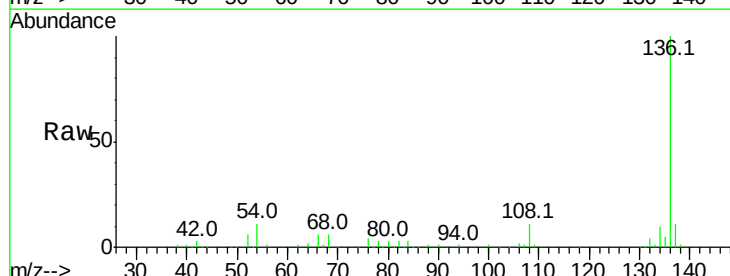
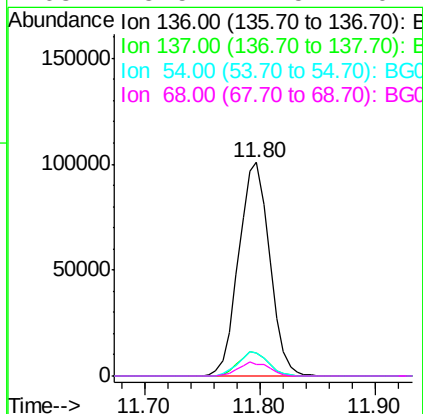
Instrument :
 BNA_G
 ClientSampleId :

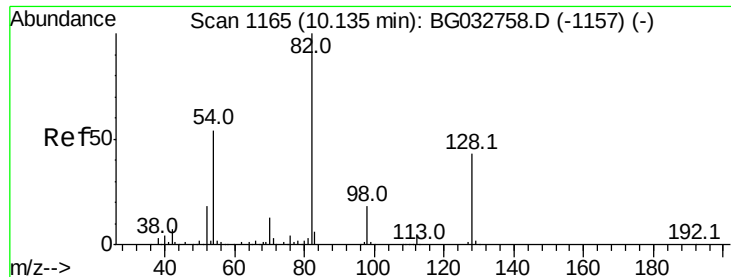
Tot Ion: 70 Resp: 41857
 Ion Ratio Lower Upper
 70 100
 42 55.0 49.1 73.7
 101 0.0 8.5 12.7#
 130 2.9 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.80 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: BG033095.D
 Acq: 12 Mar 2018 18:41

Tgt Ion: 136 Resp: 187625
 Ion Ratio Lower Upper
 136 100
 137 11.0 9.2 13.8
 54 11.0 10.3 15.5
 68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 113.101 ng

RT: 10.11 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Instrument :

BNA_G

ClientSampleId :

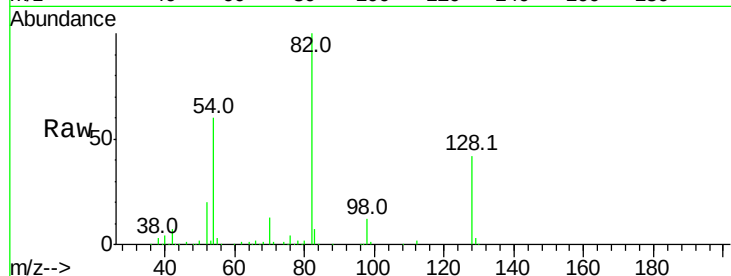
Tot Ion: 82 Resp: 315822

Ion Ratio Lower Upper

82 100

128 41.7 29.7 44.5

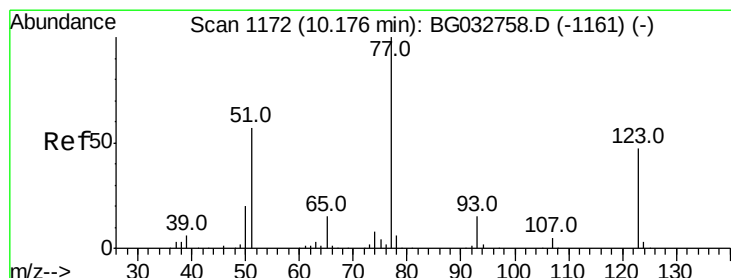
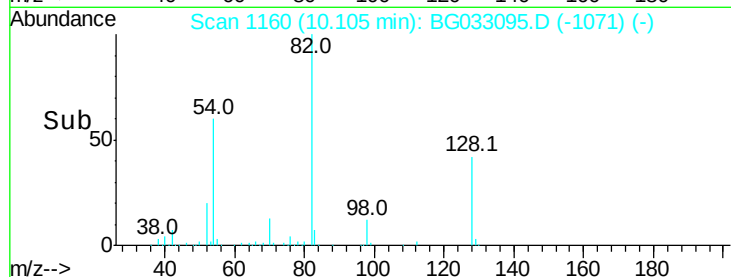
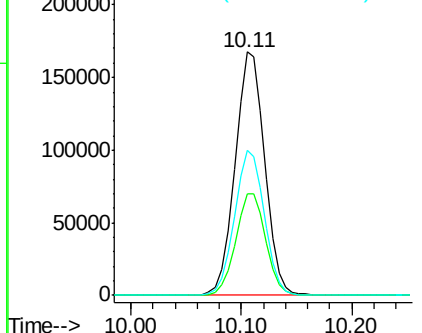
54 59.8 43.1 64.7



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



#24

Nitrobenzene

Concen: 6.641 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

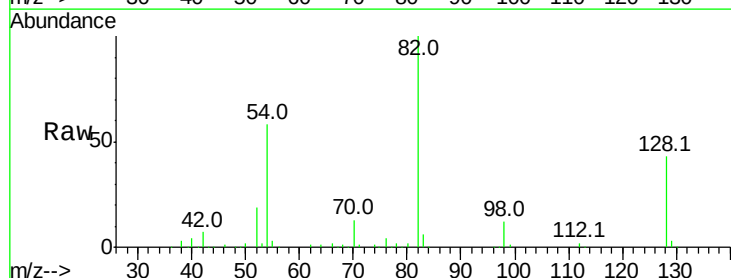
Tgt Ion: 77 Resp: 901

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

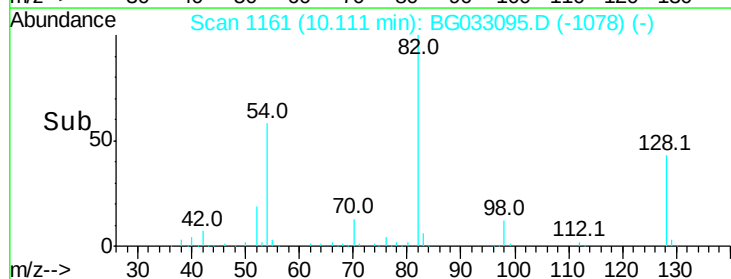
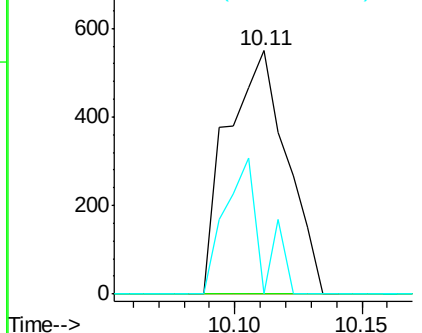
65 0.0 13.0 19.6#

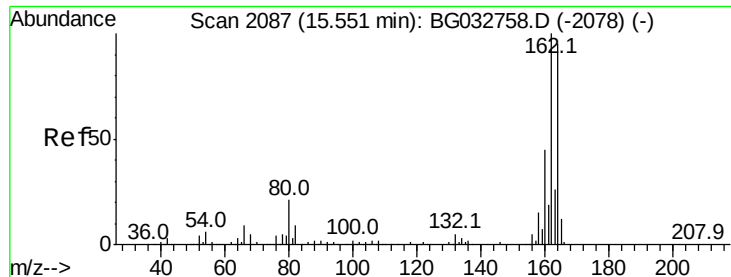


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Instrument :

BNA_G

ClientSampleId :

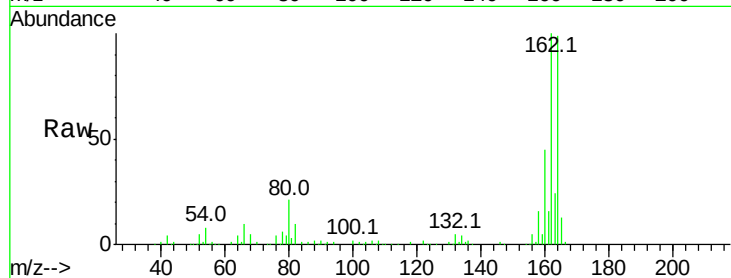
Tot Ion:164 Resp: 110093

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

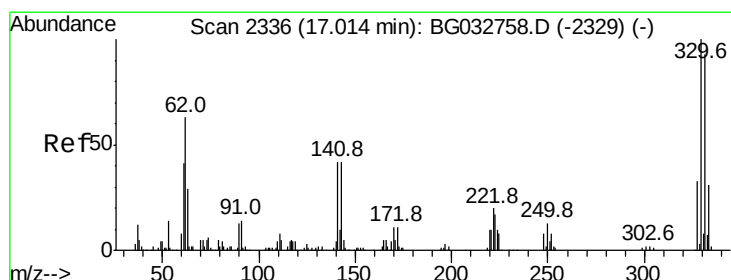
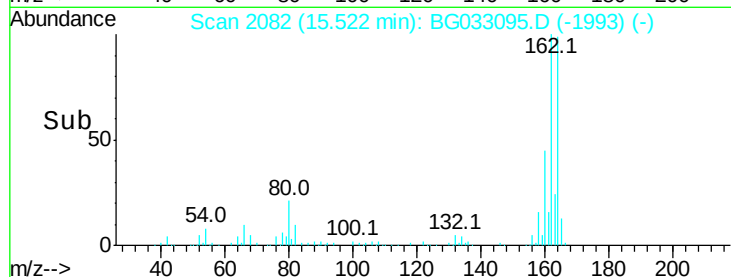
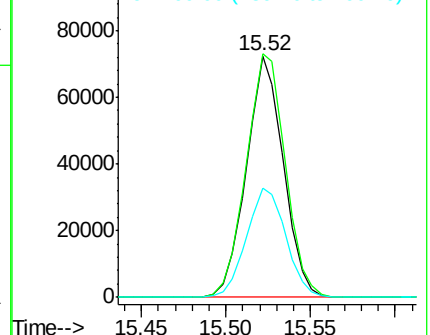
160 45.2 35.4 53.0



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: 103.653 ng

RT: 17.00 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

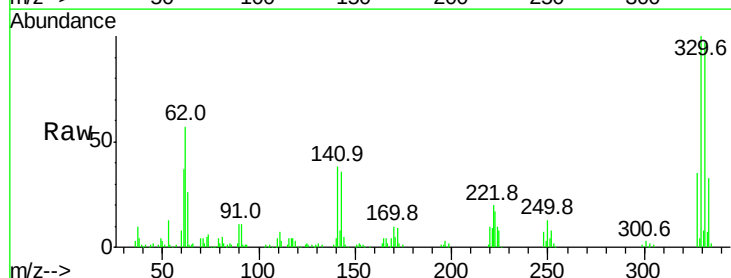
Tgt Ion:330 Resp: 119988

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

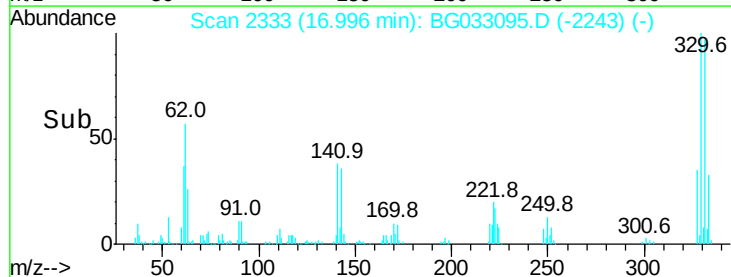
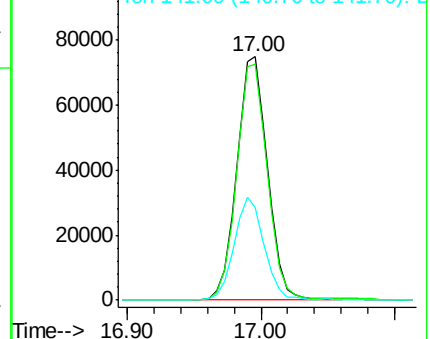
141 41.6 25.2 37.8#

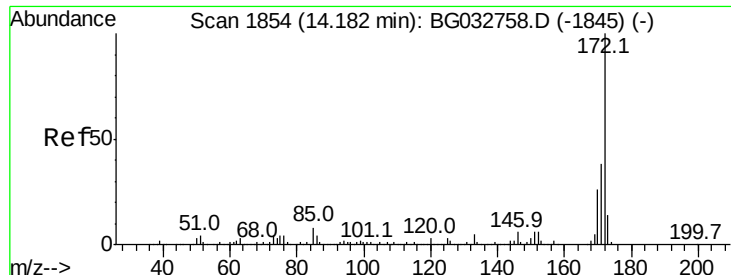


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

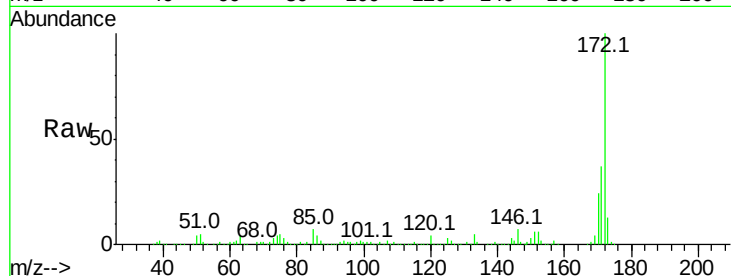




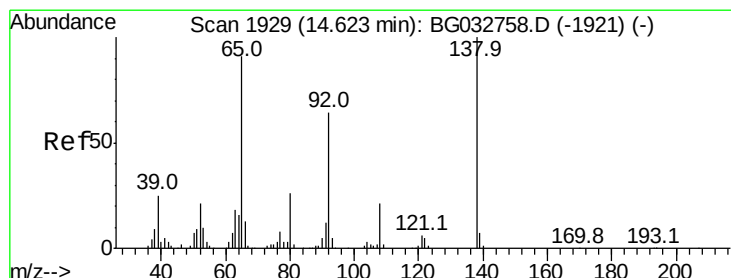
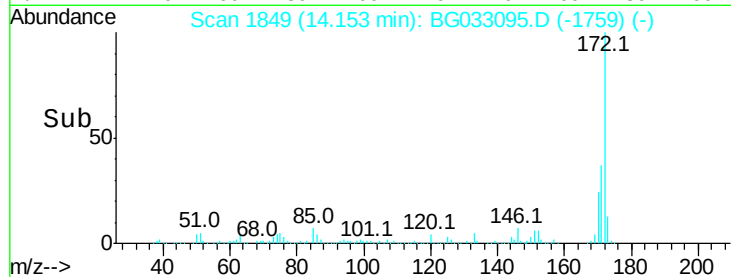
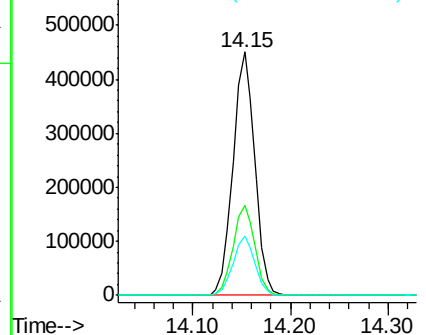
#44
2-Fluorobiphenyl
Concen: 90.977 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 694463
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 24.2 19.5 29.3

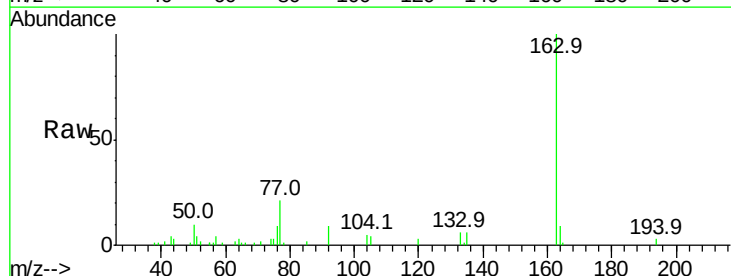


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

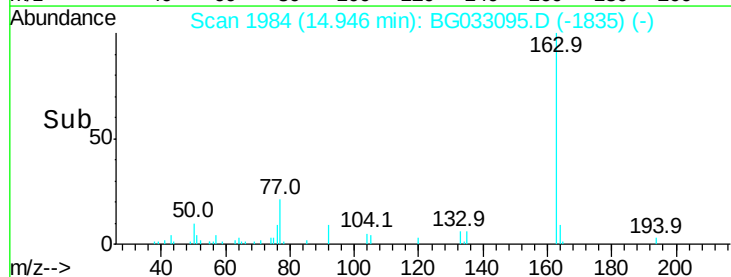
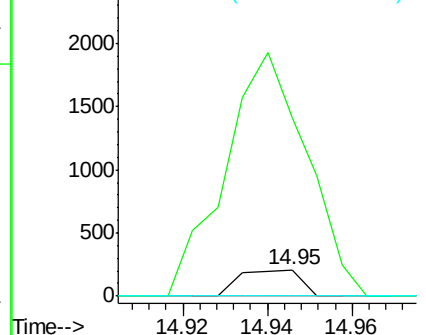


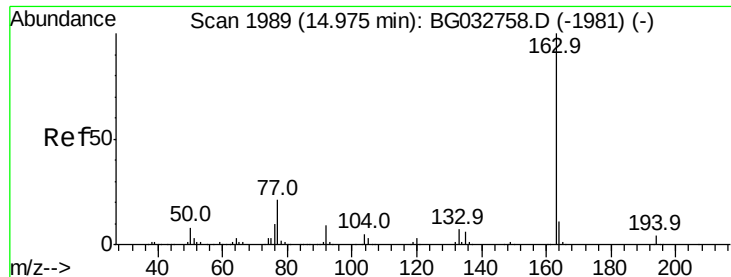
#47
2-Nitroaniline
Concen: 9.927 ng
RT: 14.95 min Scan# 1984
Delta R.T. 0.34 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Tgt Ion: 65 Resp: 207
Ion Ratio Lower Upper
65 100
92 683.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 2.646 ng

RT: 14.94 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Instrument :

BNA_G

ClientSampleId :

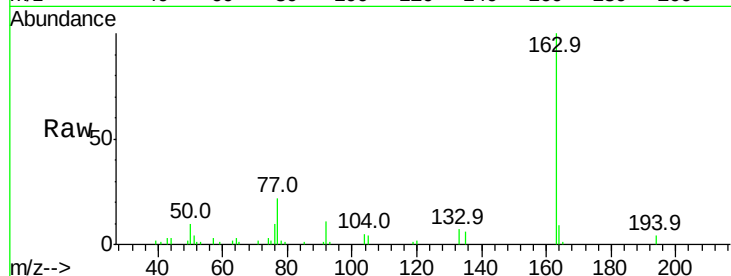
Tot Ion:163 Resp: 24730

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

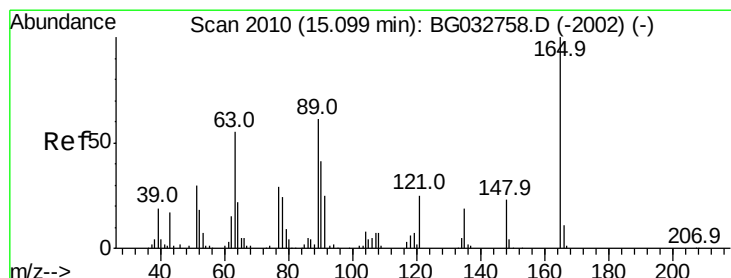
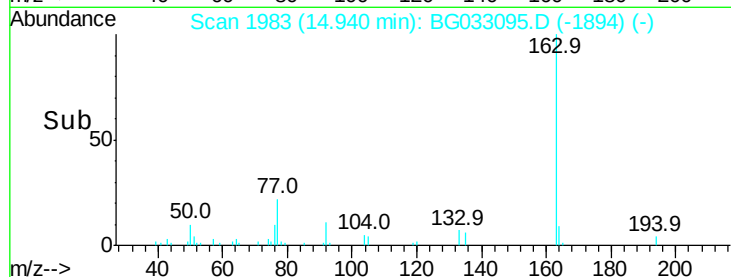
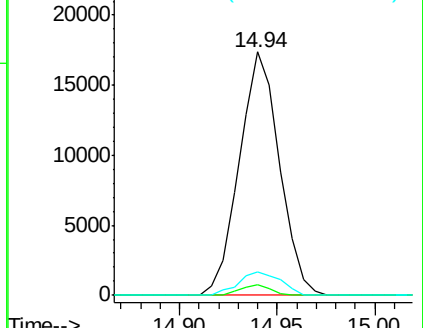
164 9.4 8.2 12.4



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: 16.501 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.44 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

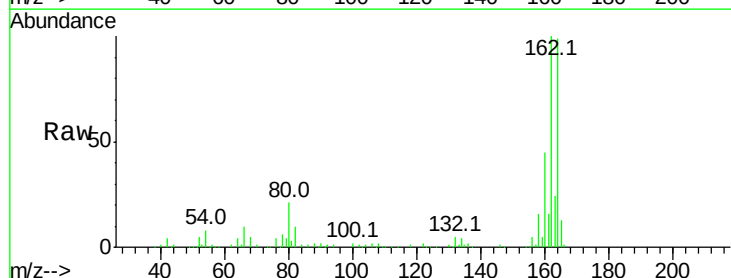
Tgt Ion:165 Resp: 14441

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

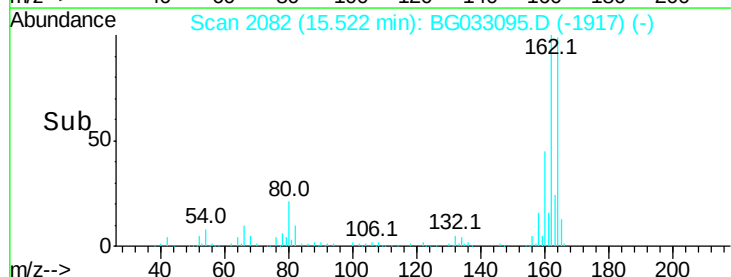
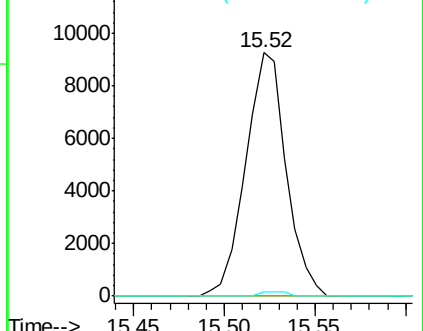
89 1.7 49.2 73.8#

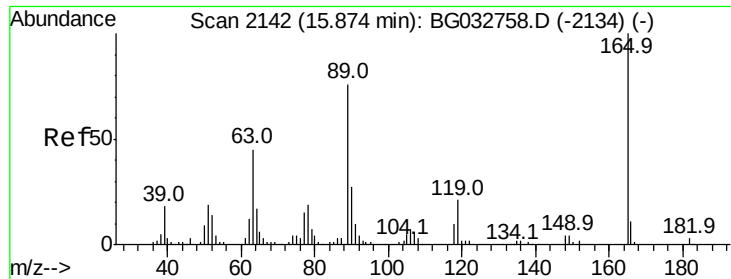


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

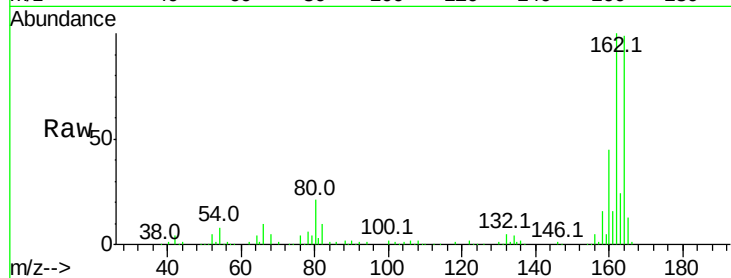




#56
 2,4-Dinitrotoluene
 Concen: 14.700 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.34 min
 Lab File: BG033095.D
 Acq: 12 Mar 2018 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	14441
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#

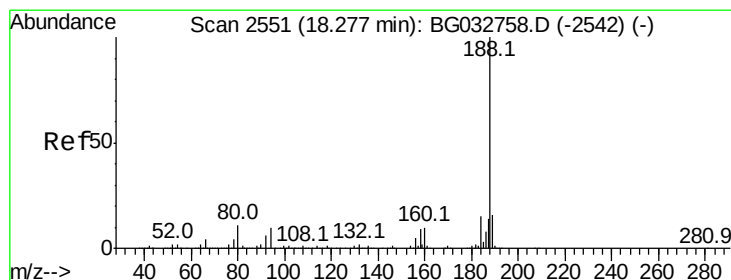
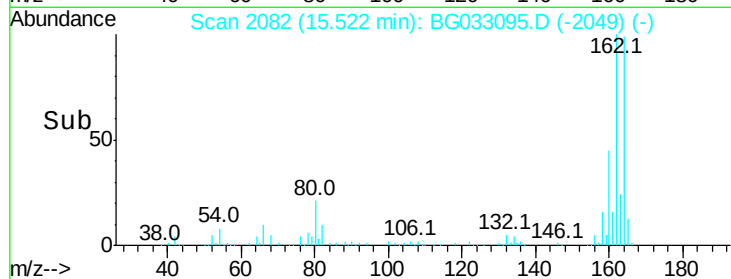
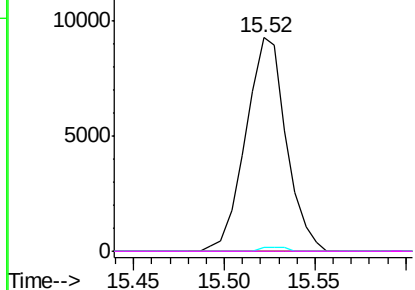


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

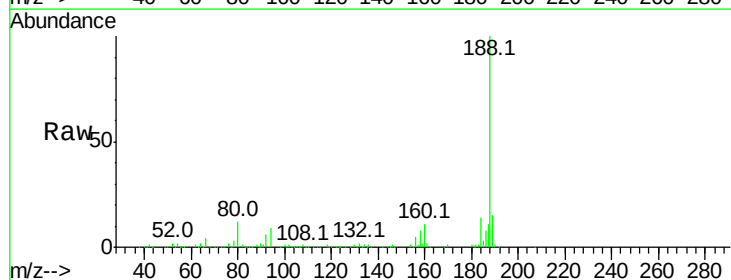
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033095.D
 Acq: 12 Mar 2018 18:41

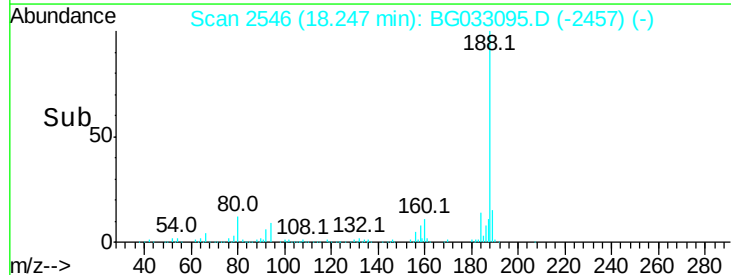
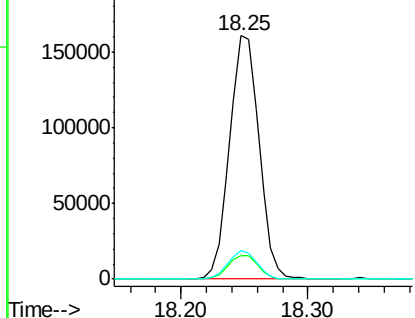
Tgt Ion:	188	Resp:	258153
Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	11.5	7.7	11.5

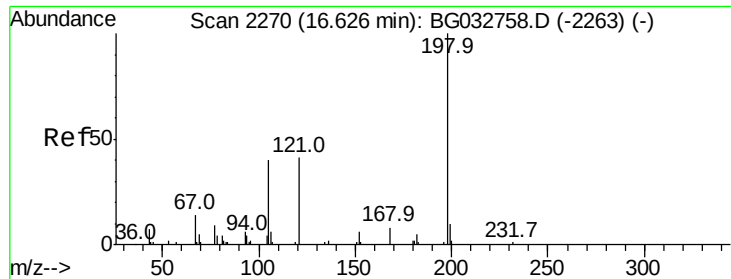


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

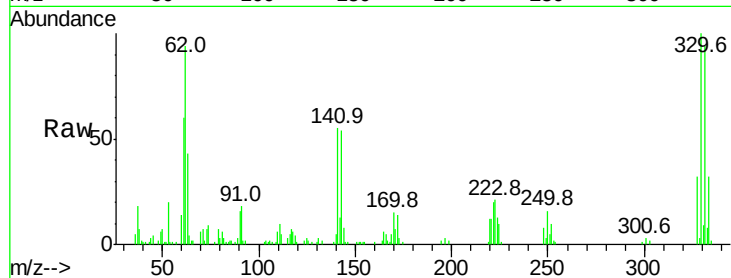




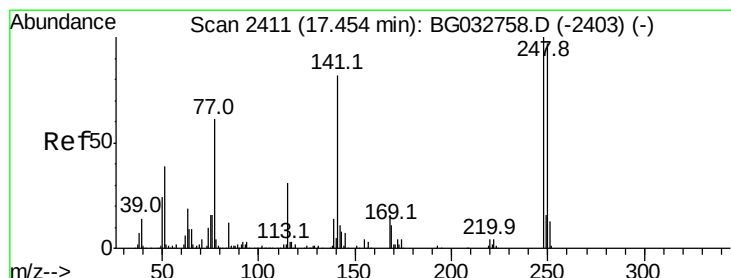
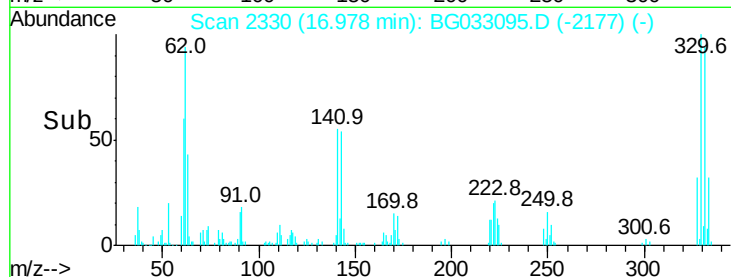
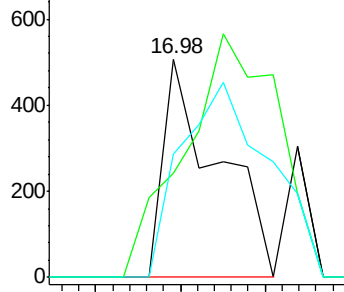
#64
4,6-Dinitro-2-methylphenol
Concen: 5.694 ng
RT: 16.98 min Scan# 2330
Delta R.T. 0.37 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 453
Ion Ratio Lower Upper
198 100
51 47.4 30.6 70.6
105 56.1 23.8 63.8

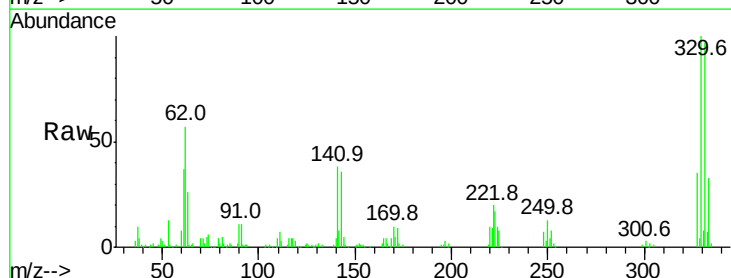


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

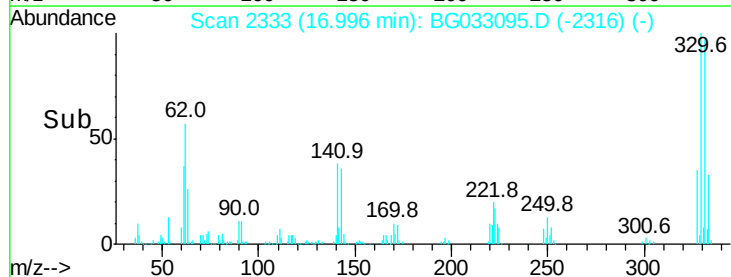
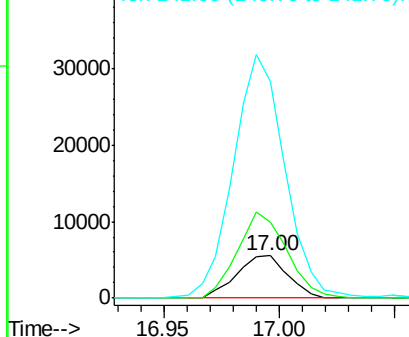


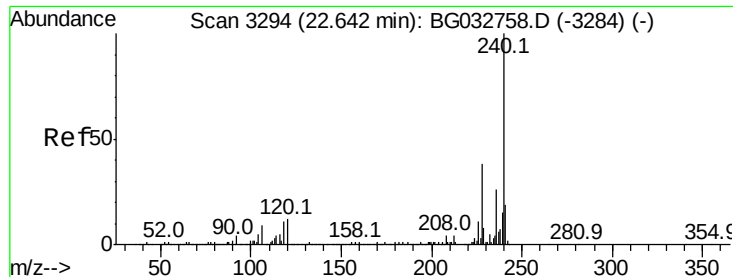
#66
4-Bromophenyl-phenylether
Concen: 3.127 ng
RT: 17.00 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033095.D
Acq: 12 Mar 2018 18:41

Tgt Ion:248 Resp: 8536
Ion Ratio Lower Upper
248 100
250 179.8 77.1 115.7#
141 514.6 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Instrument :

BNA_G

ClientSampleId :

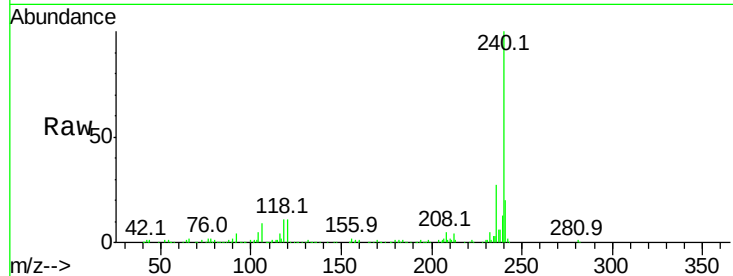
Tot Ion:240 Resp: 245700

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

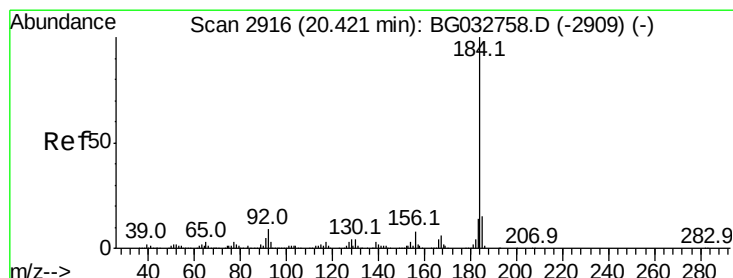
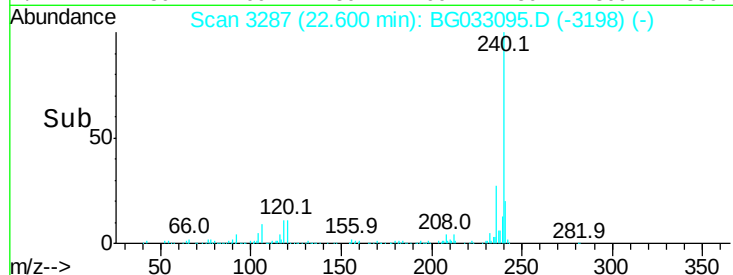
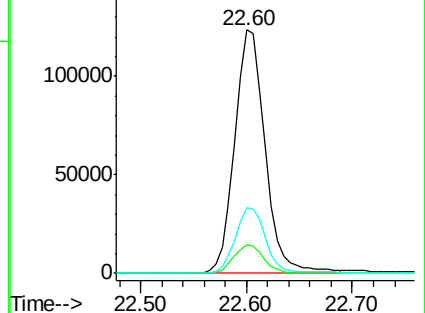
236 26.9 20.9 31.3



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



#76

Benzidine

Concen: 2.123 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

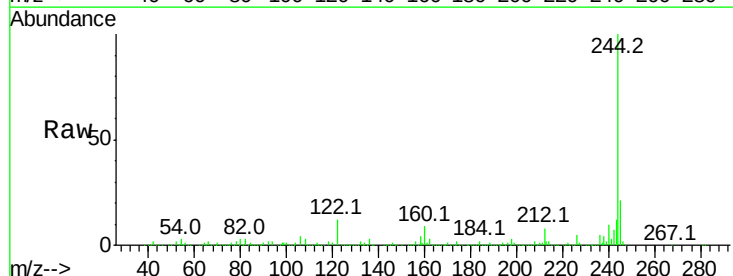
Tgt Ion:184 Resp: 17778

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

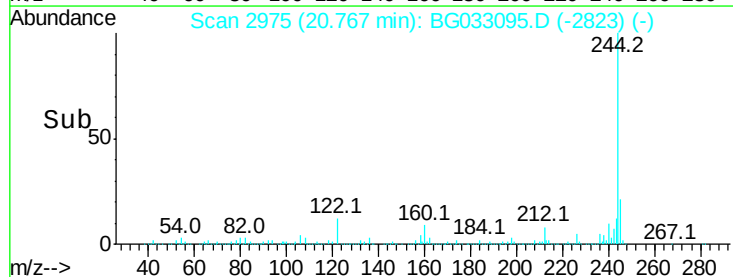
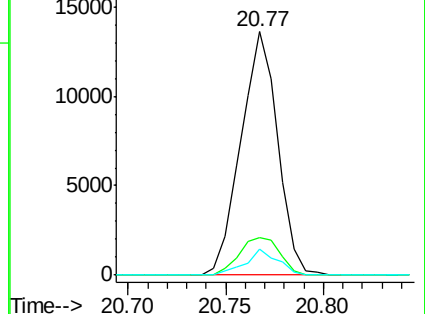
183 10.7 10.6 16.0

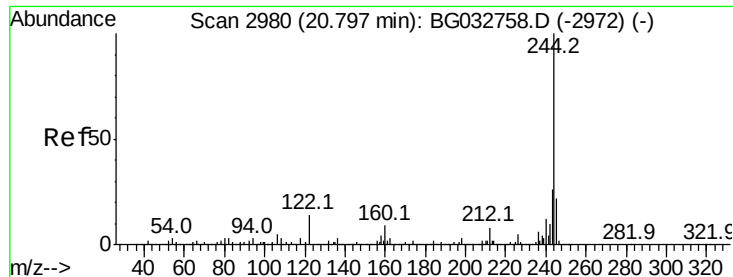


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.330 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

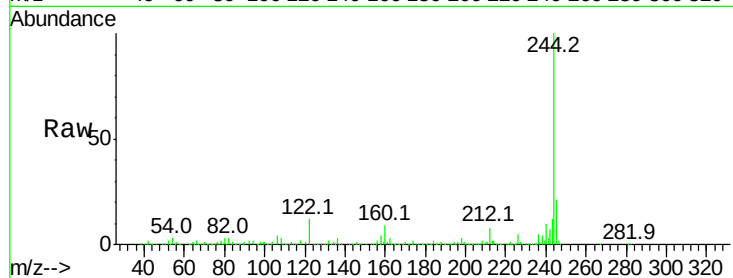
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1042514

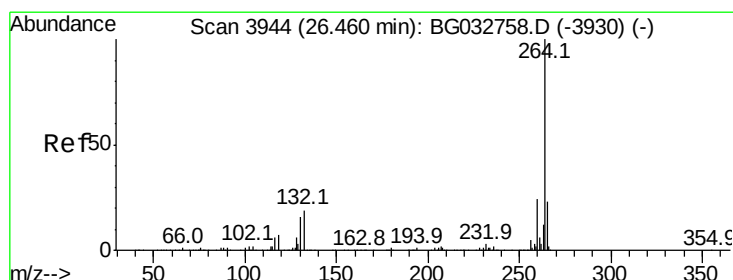
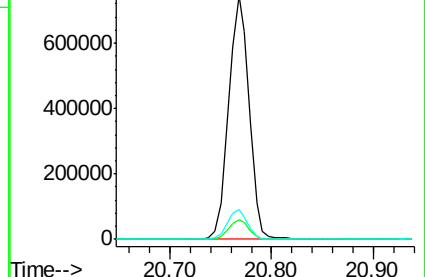
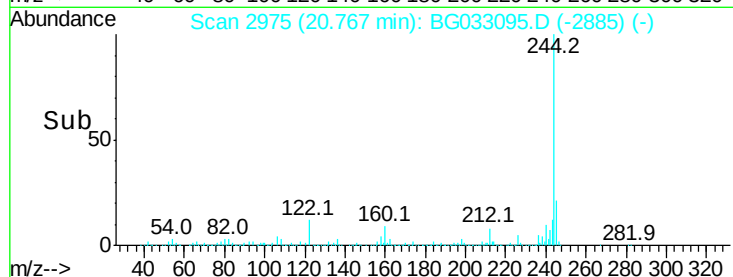
Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.8
122	12.1	7.0	10.4



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: 26.40 min Scan# 3934

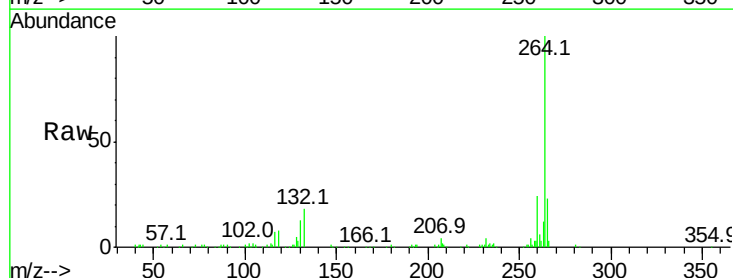
Delta R.T. -0.01 min

Lab File: BG033095.D

Acq: 12 Mar 2018 18:41

Tgt Ion:264 Resp: 246674

Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	22.8	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

