

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032164.D
 Acq On : 19 Jan 2018 22:52
 Operator : SJ/JU
 Sample : J1205-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 20 01:01:22 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	44911	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	174834	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	118821	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	322798	20.00	ng	0.00
75) Chrysene-d12	22.45	240	459860	20.00	ng	0.00
86) Perylene-d12	26.15	264	480271	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.17	112	167268	68.12	ng	0.00
7) Phenol-d6	7.85	99	134447	43.47	ng	0.00
23) Nitrobenzene-d5	9.94	82	255965	99.05	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	298639	151.89	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	871018	90.89	ng	0.00
78) Terphenyl-d14	20.65	244	1815697	87.18	ng	0.00

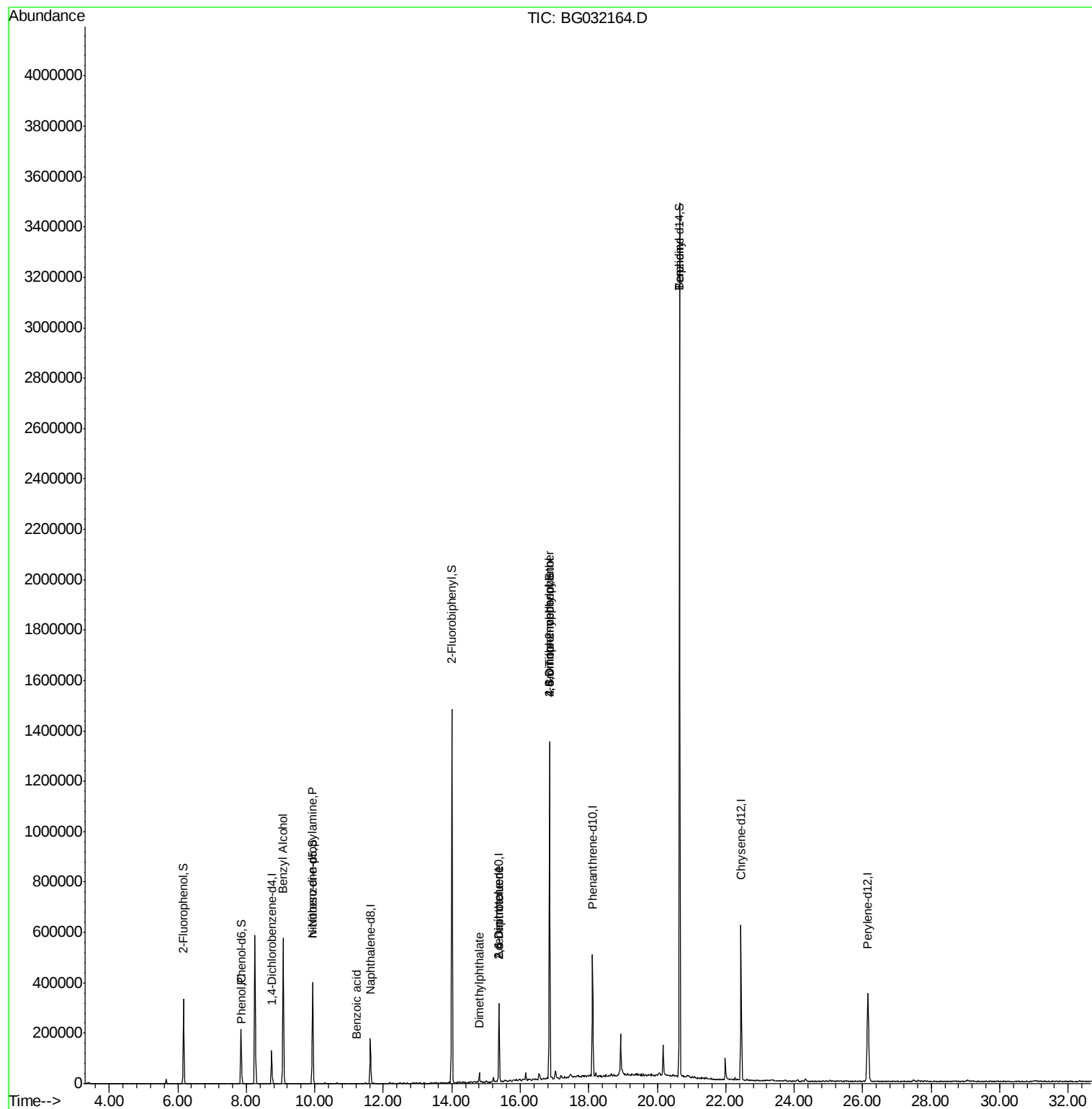
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.87	94	8272	2.715	ng	95
15) Benzyl Alcohol	9.08	79	5082	2.262	ng	# 32
19) n-Nitroso-di-n-propylamine	9.94	70	34126	17.784	ng	# 84
32) Benzoic acid	11.23	122	65	5.286	ng	# 1
49) Dimethylphthalate	14.80	163	23094	2.221	ng	# 97
50) 2,6-Dinitrotoluene	15.38	165	15600	7.228	ng	# 22
56) 2,4-Dinitrotoluene	15.38	165	15600	5.369	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	977	5.309	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	25894	5.638	ng	# 1
76) Benzidine	20.65	184	26316	2.288	ng	95

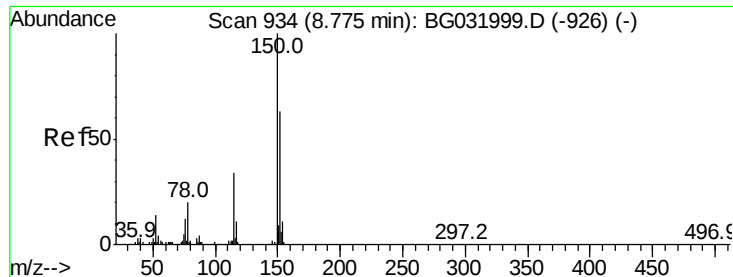
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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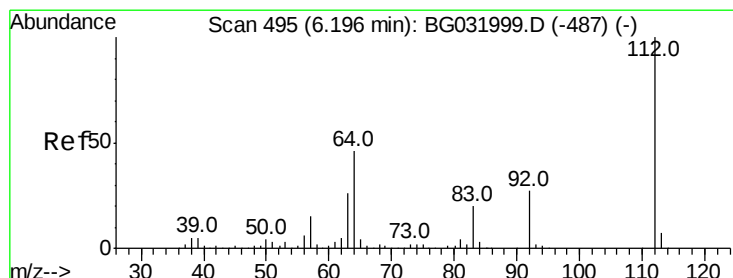
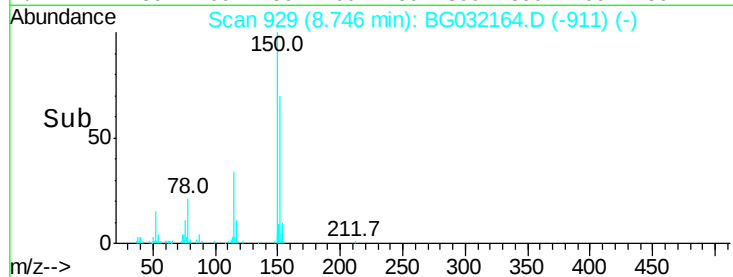
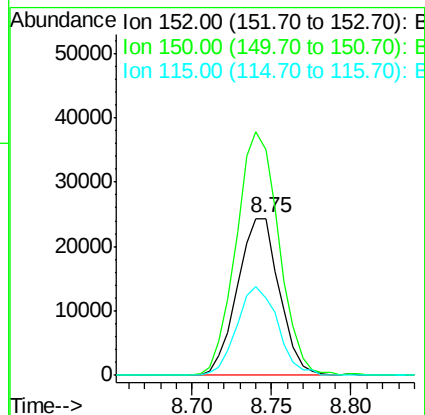
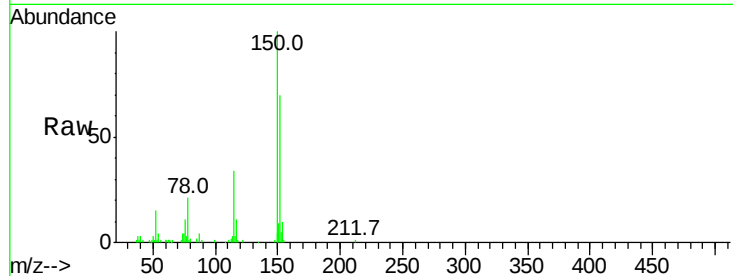


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

Instrument :
BNA_G
ClientSampleId :

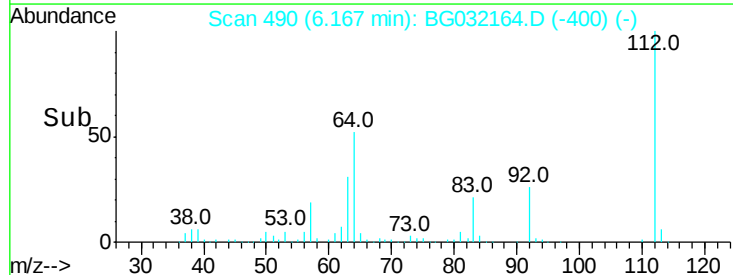
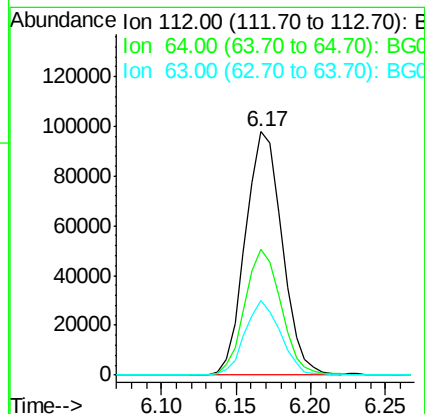
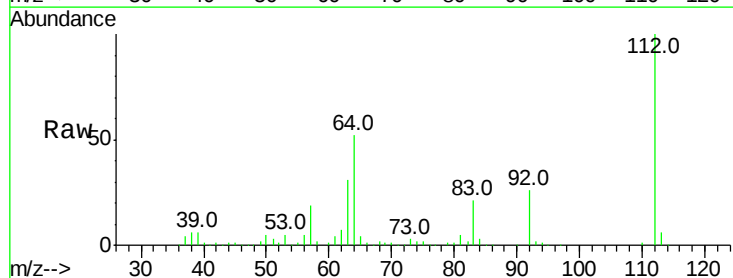
Tot Ion:152 Resp: 44911
Ion Ratio Lower Upper
152 100
150 143.9 126.6 189.8
115 49.2 53.0 79.4#

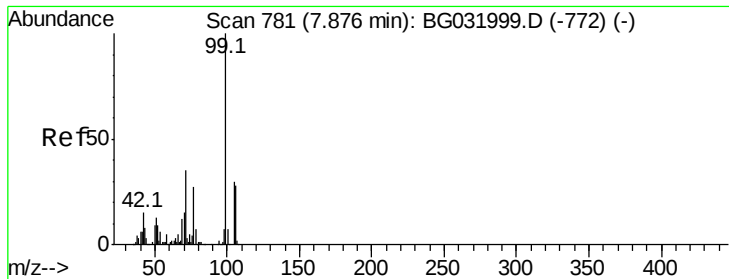


#5

2-Fluorophenol
Concen: 68.117 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.00 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

Tgt Ion:112 Resp: 167268
Ion Ratio Lower Upper
112 100
64 51.9 56.3 84.5#
63 30.8 30.1 45.1





#7

Phenol-d6

Concen: 43.473 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

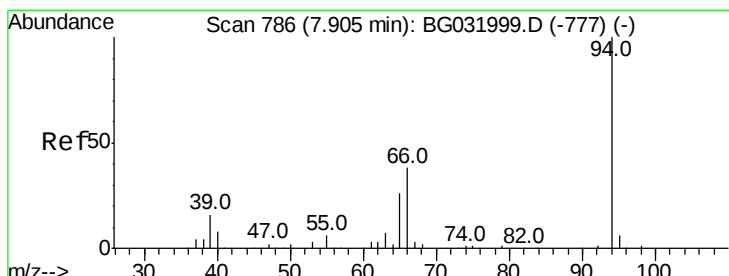
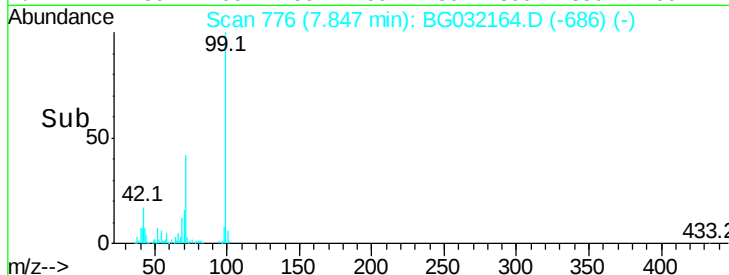
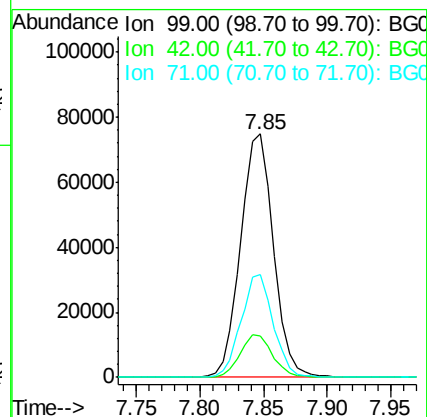
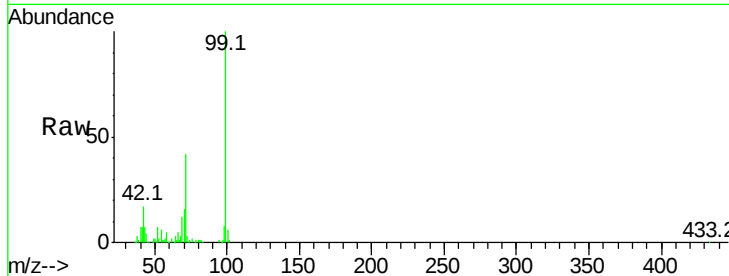
Tot Ion: 99 Resp: 134447

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

71 42.2 26.1 39.1#



#10

Phenol

Concen: 2.715 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

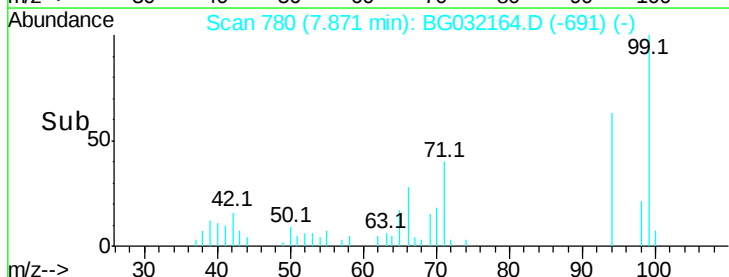
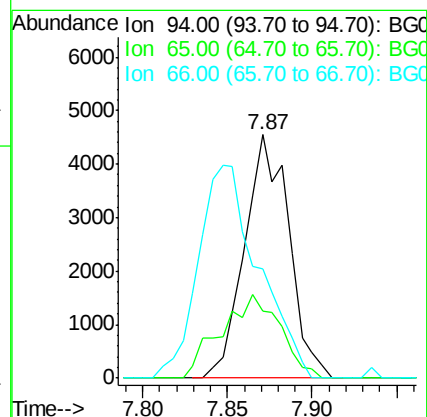
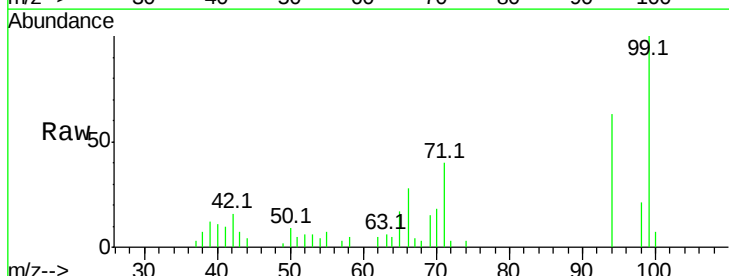
Tgt Ion: 94 Resp: 8272

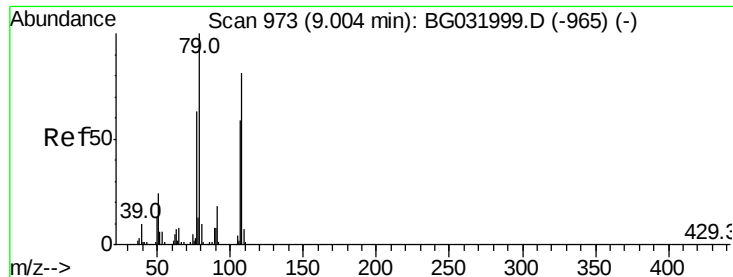
Ion Ratio Lower Upper

94 100

65 27.6 11.9 51.9

66 44.6 22.2 62.2





#15

Benzyl Alcohol

Concen: 2.262 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

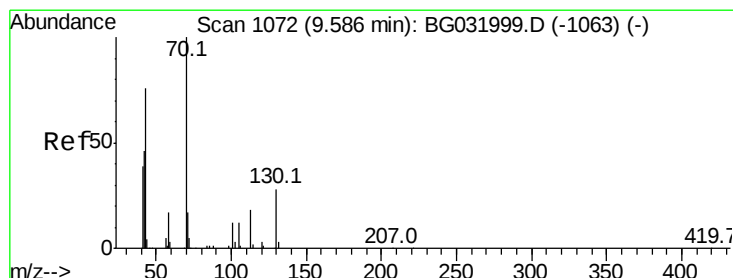
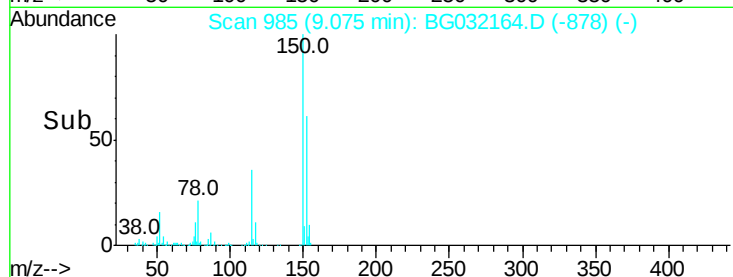
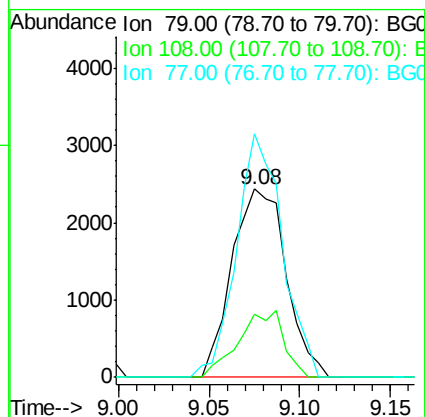
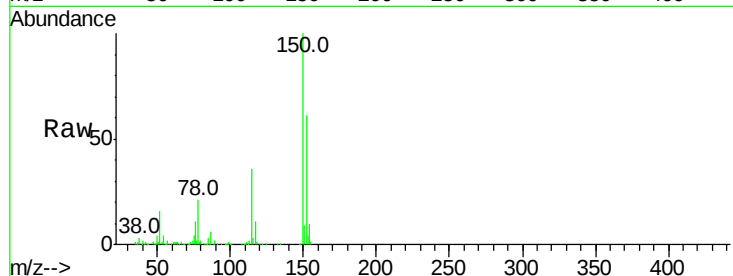
Tot Ion: 79 Resp: 5082

Ion Ratio Lower Upper

79 100

108 33.7 57.2 85.8#

77 129.2 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.784 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Tgt Ion: 70 Resp: 34126

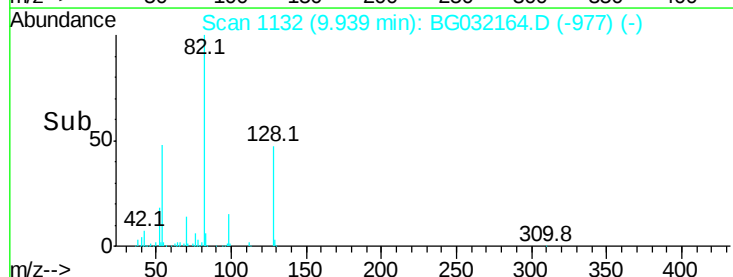
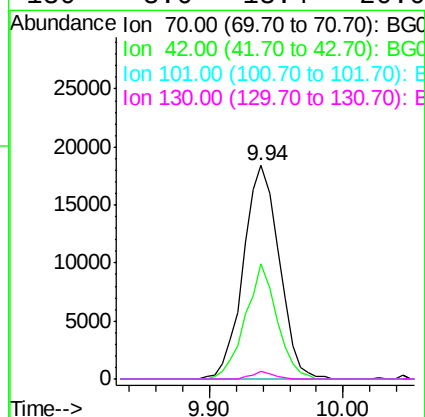
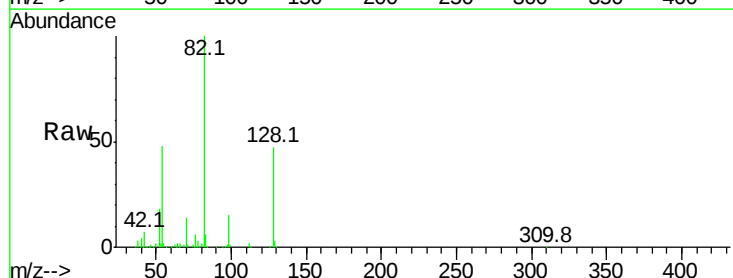
Ion Ratio Lower Upper

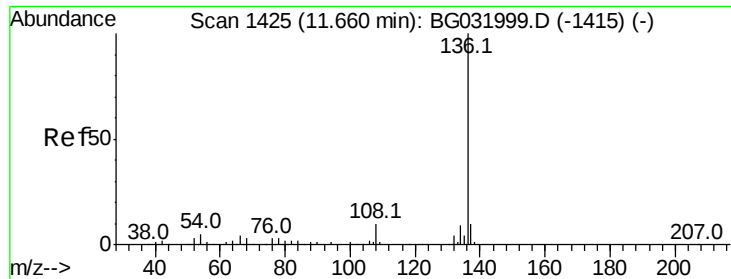
70 100

42 53.9 49.1 73.7

101 0.0 8.5 12.7#

130 3.6 13.4 20.0#

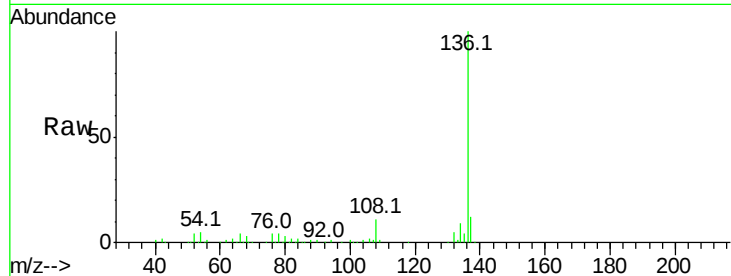




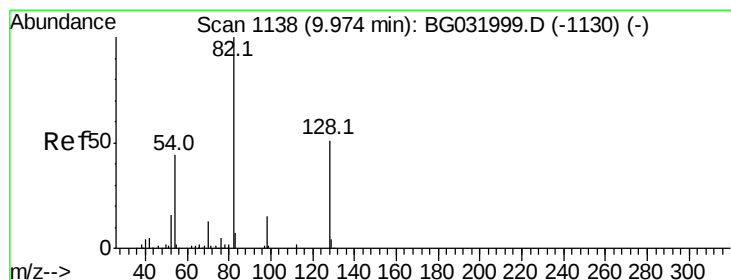
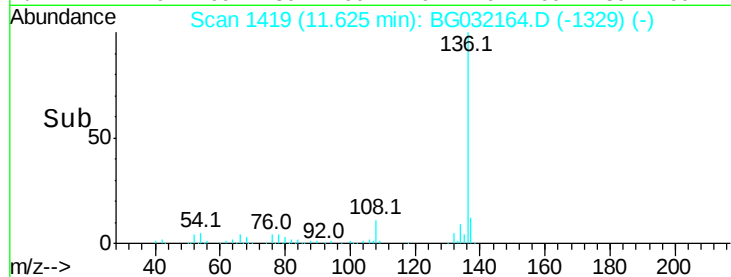
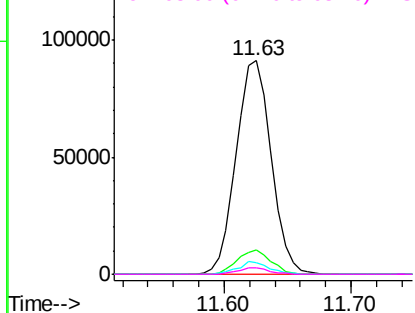
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	174834
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.2 13.8
54	5.4	10.3 15.5#
68	3.5	4.5 6.7#

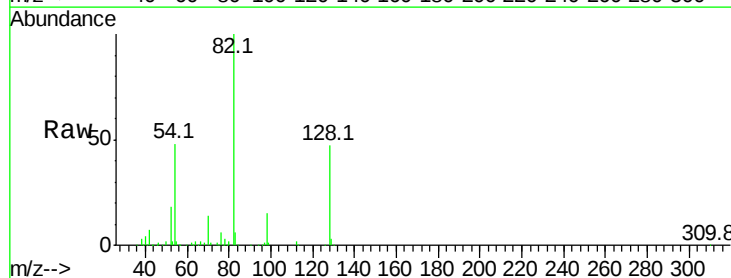


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

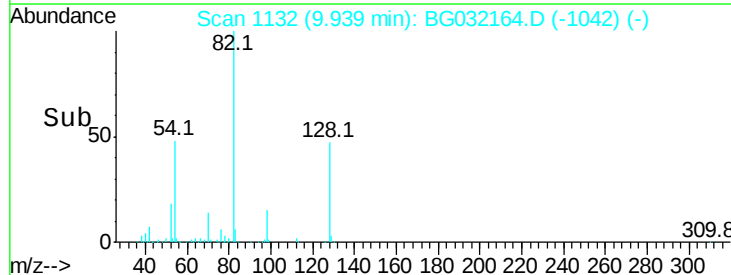
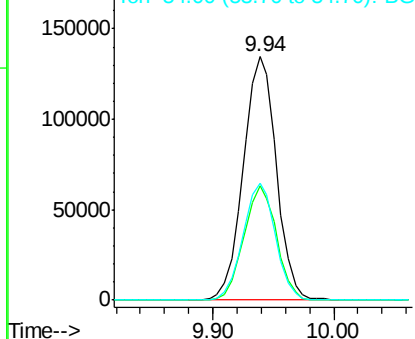


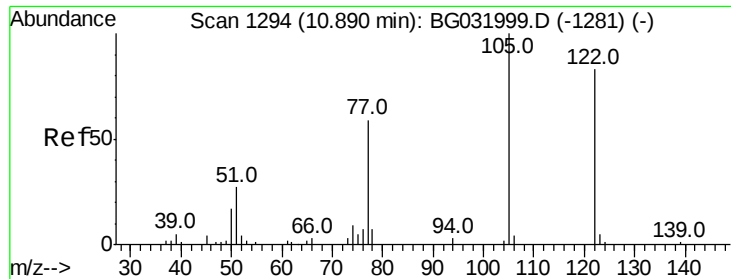
#23
Nitrobenzene-d5
Concen: 99.049 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

Tgt Ion: 82	Resp:	255965
Ion Ratio	Lower	Upper
82	100	
128	47.2	29.7 44.5#
54	48.2	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





#32

Benzoic acid

Concen: 5.286 ng

RT: 11.23 min Scan# 1351

Delta R.T. 0.38 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

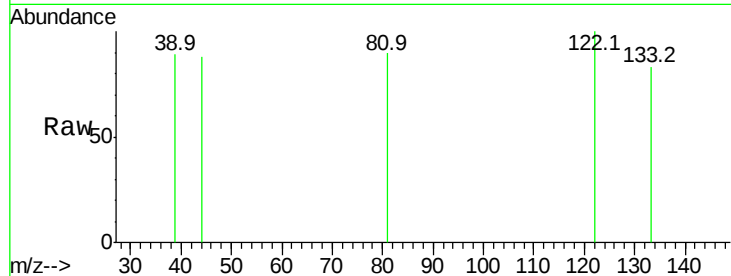
Tot Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

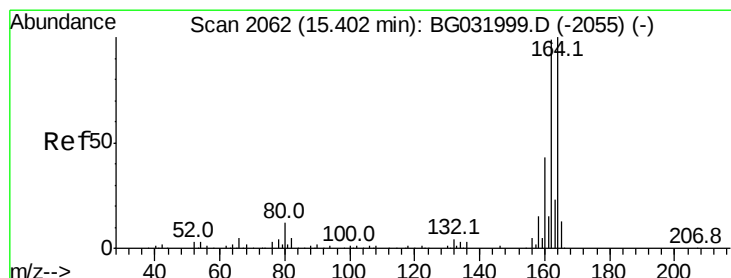
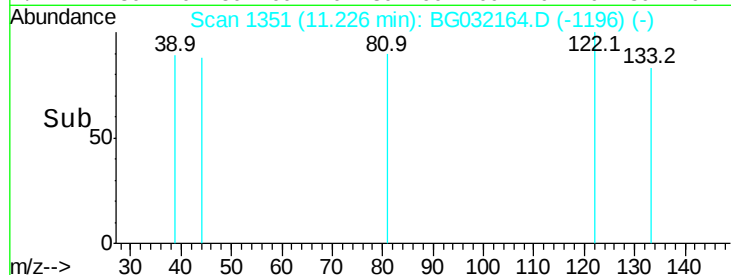
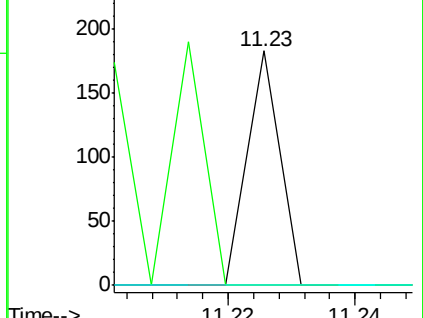
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

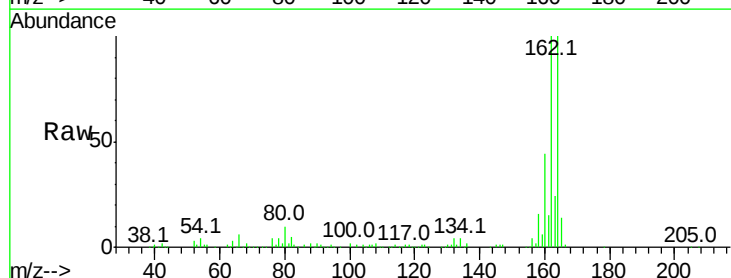
Tgt Ion:164 Resp: 118821

Ion Ratio Lower Upper

164 100

162 100.5 78.8 118.2

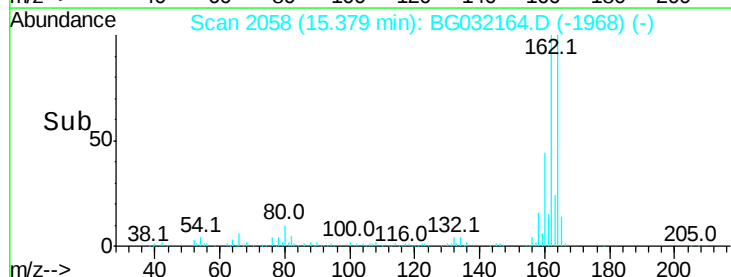
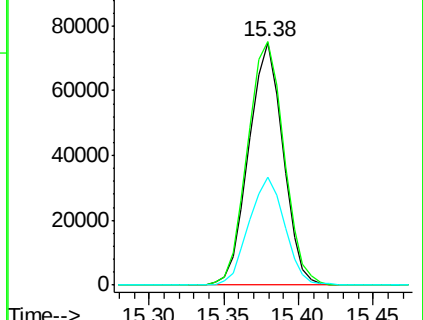
160 44.5 35.4 53.0

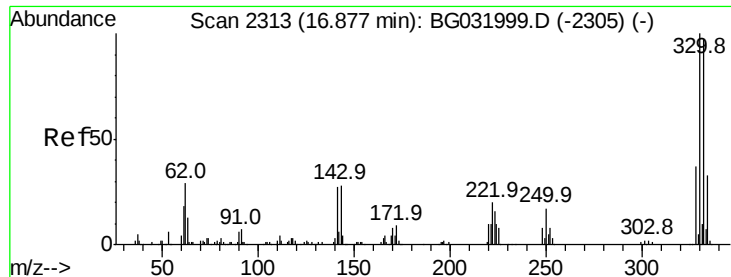


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

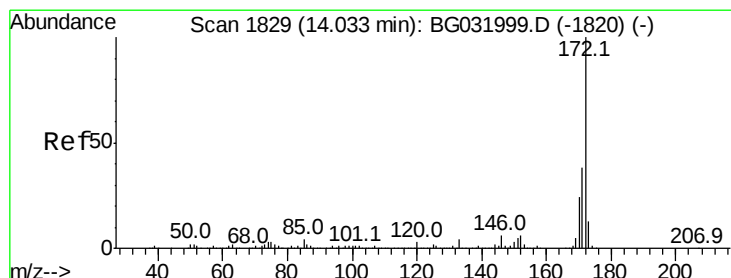
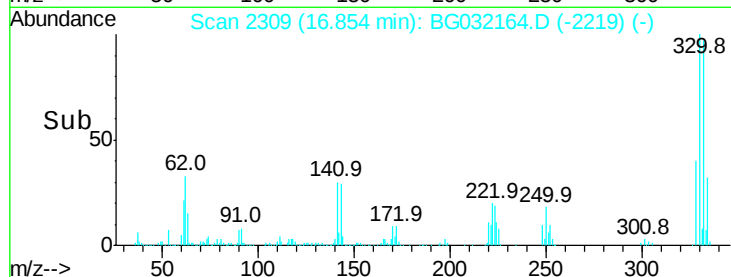
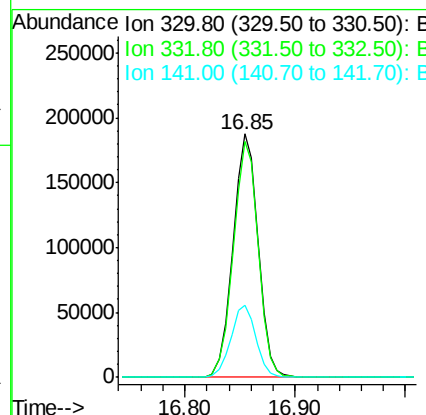
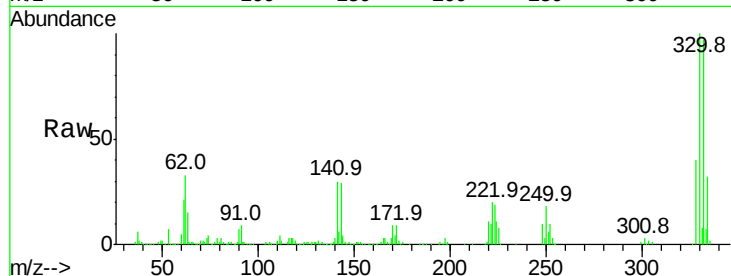




#41
 2,4,6-Tribromophenol
 Concen: 151.886 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

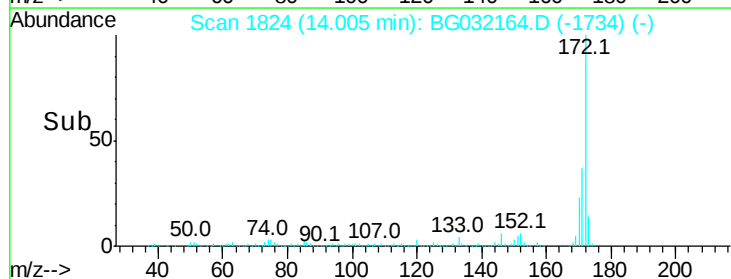
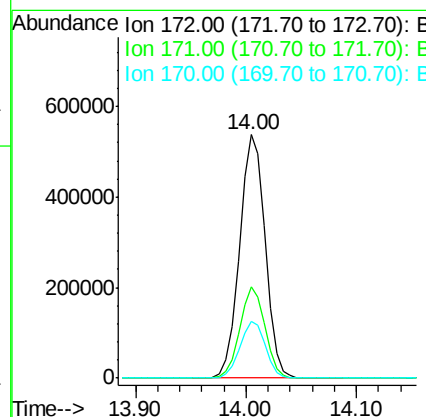
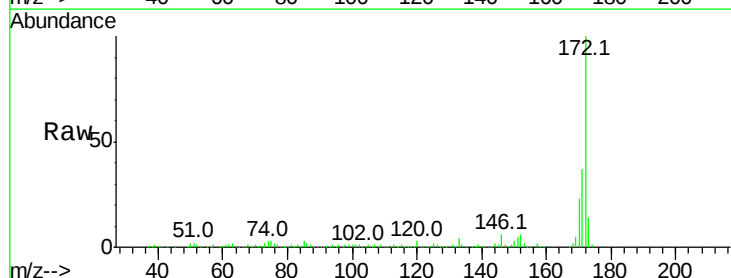
Instrument :
 BNA_G
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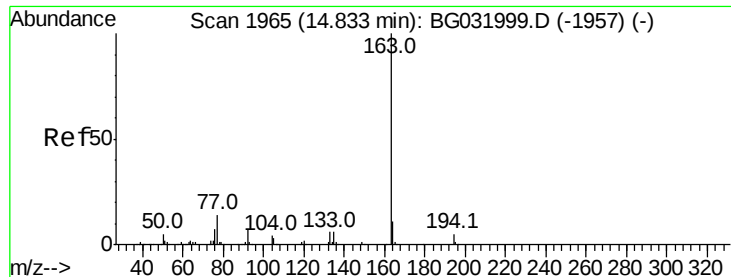
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	30.1	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 90.895 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.2	19.5	29.3

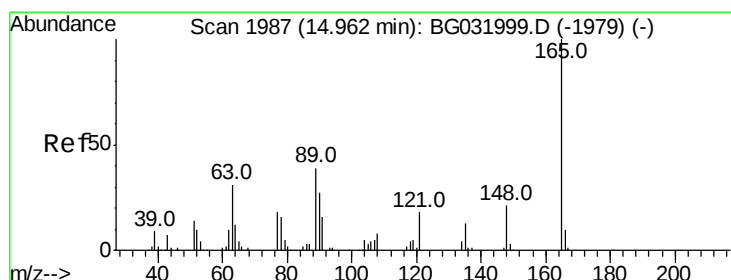
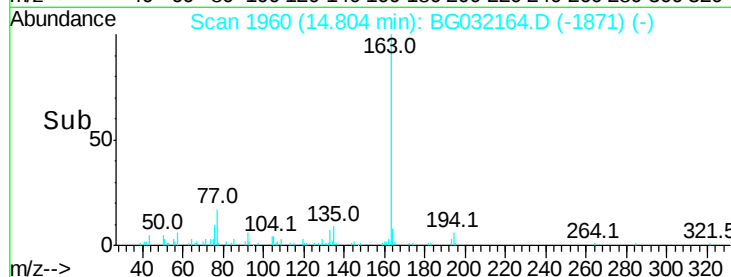
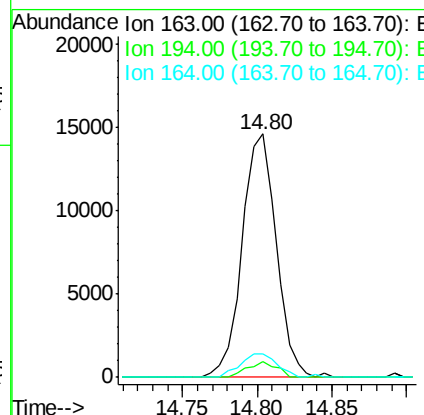
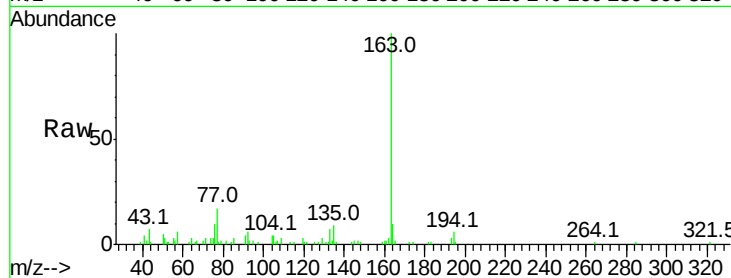




#49
Dimethylphthalate
Concen: 2.221 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

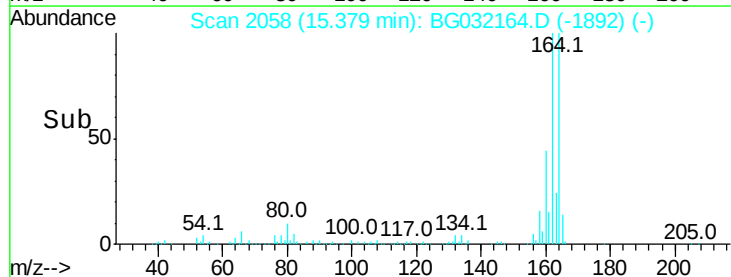
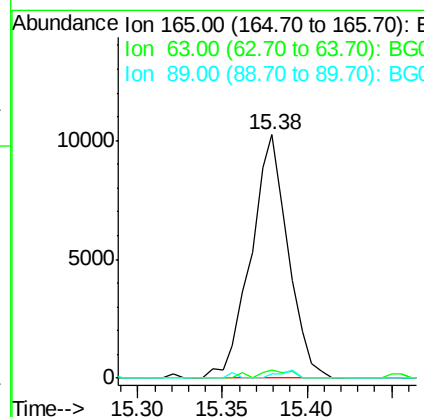
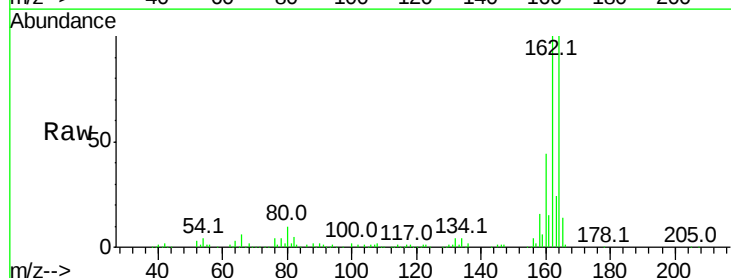
Instrument :
BNA_G
ClientSampleId :

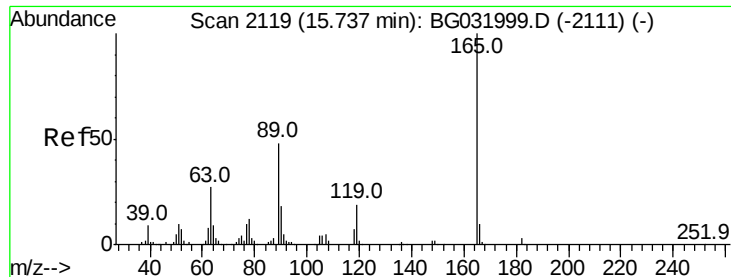
Tot Ion	Ratio	Lower	Upper
163	100		
194	6.3	3.4	5.2#
164	9.5	8.2	12.4



#50
2,6-Dinitrotoluene
Concen: 7.228 ng
RT: 15.38 min Scan# 2058
Delta R.T. 0.44 min
Lab File: BG032164.D
Acq: 19 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	52.7	79.1#
89	1.9	49.2	73.8#

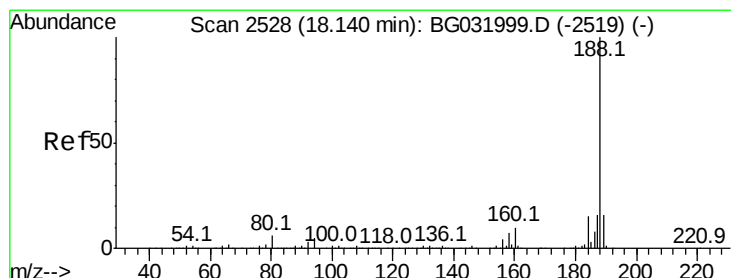
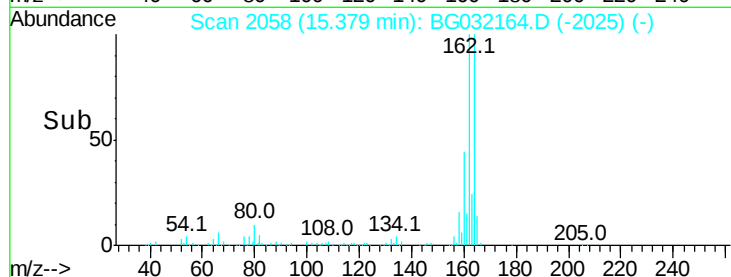
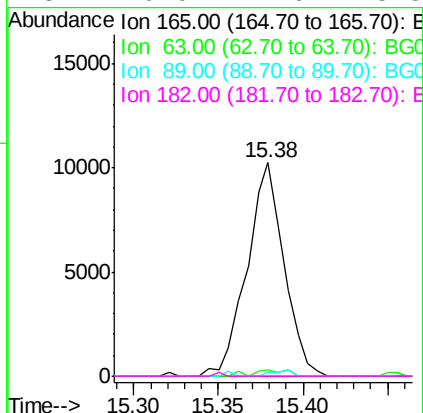
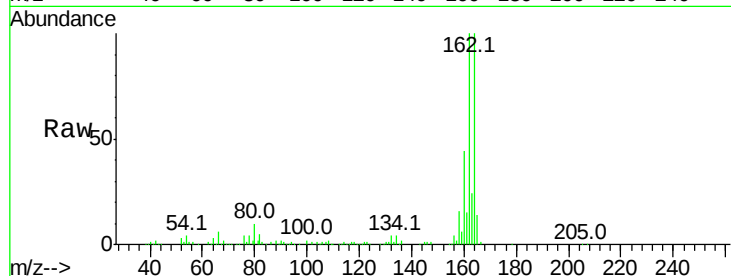




#56
 2,4-Dinitrotoluene
 Concen: 5.369 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.34 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

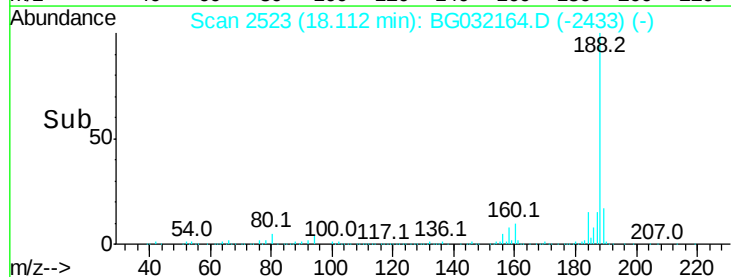
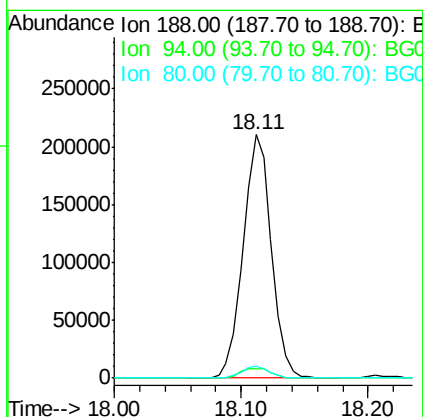
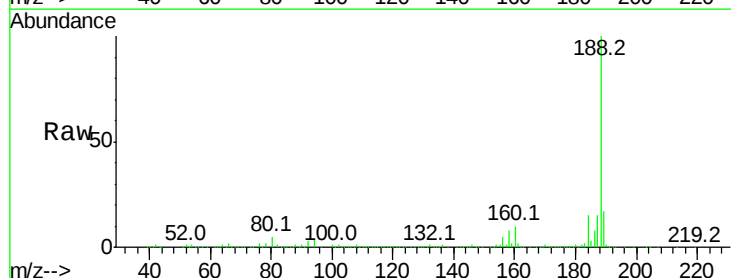
Instrument :
 BNA_G
 ClientSampleId :

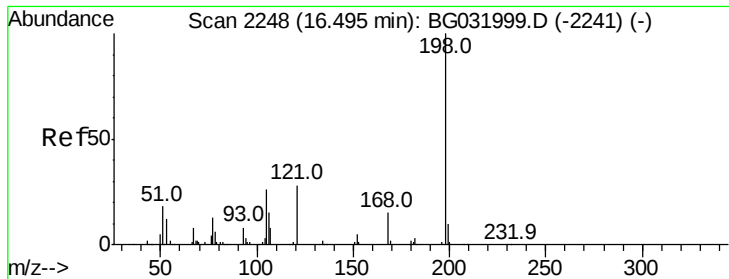
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.3	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.1	6.9	10.3#
80	4.8	7.7	11.5#

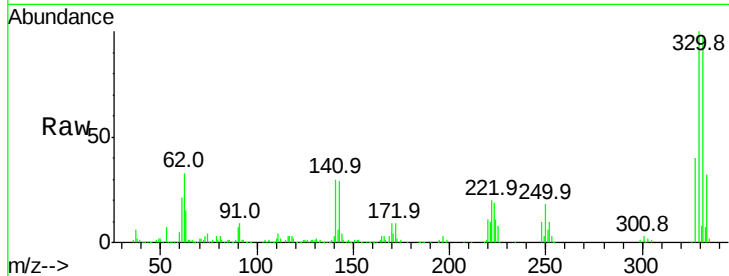




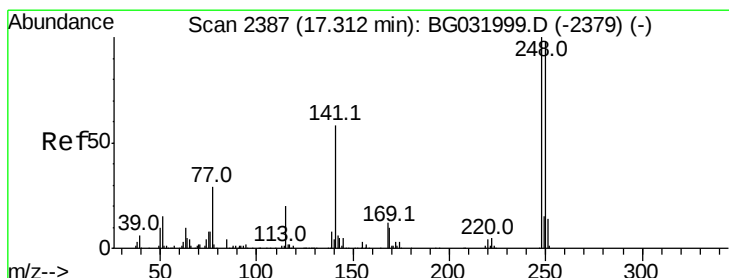
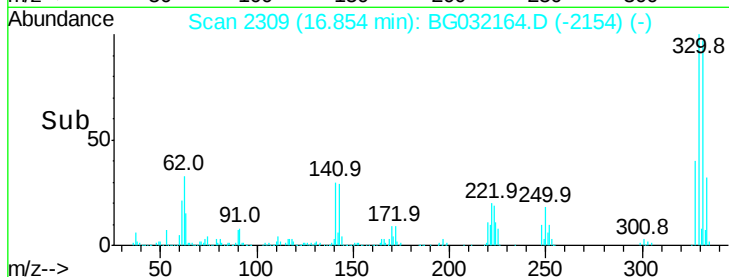
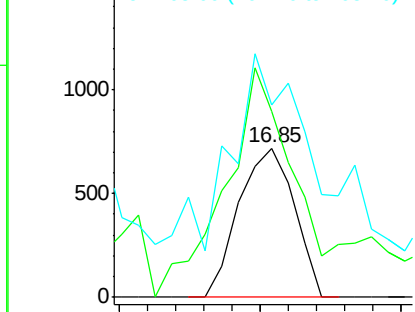
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.309 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. 0.38 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 977
 Ion Ratio Lower Upper
 198 100
 51 124.2 30.6 70.6#
 105 128.8 23.8 63.8#

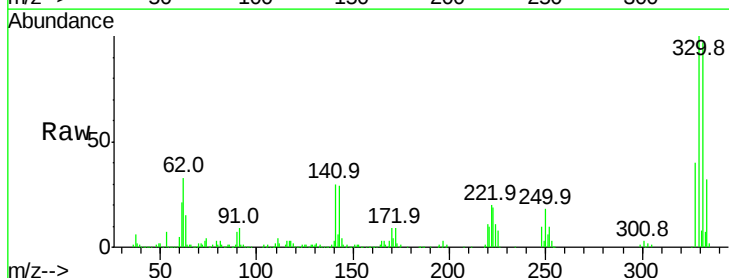


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

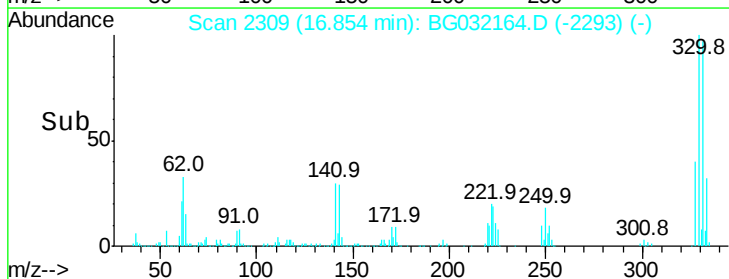
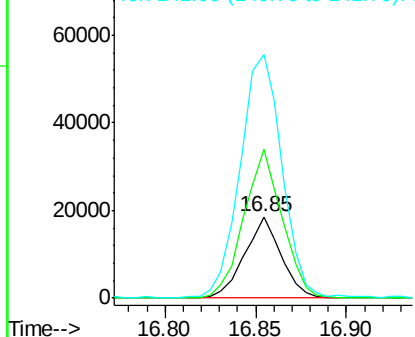


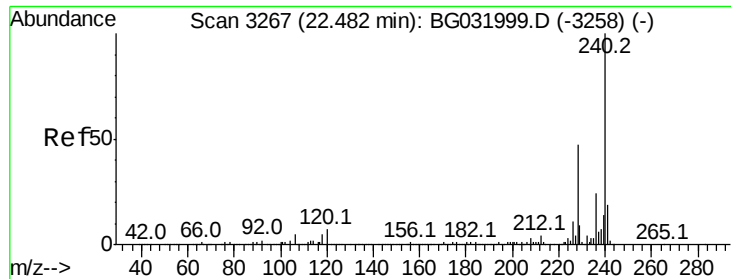
#66
 4-Bromophenyl-phenylether
 Concen: 5.638 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.44 min
 Lab File: BG032164.D
 Acq: 19 Jan 2018 22:52

Tgt Ion:248 Resp: 25894
 Ion Ratio Lower Upper
 248 100
 250 183.6 77.1 115.7#
 141 299.8 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: 22.45 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

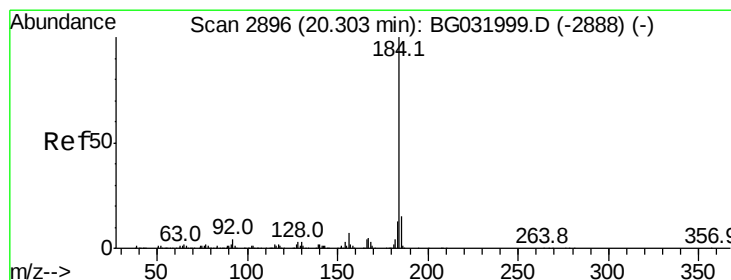
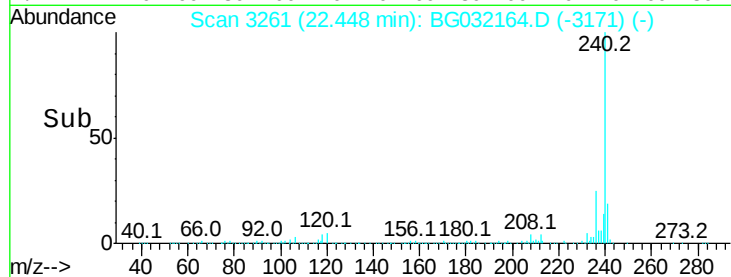
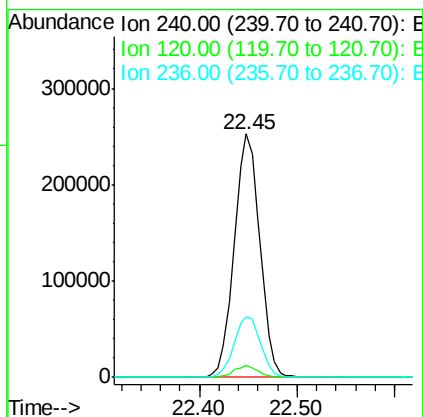
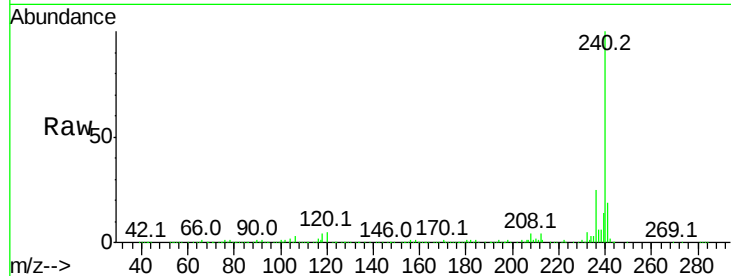
Tot Ion:240 Resp: 459860

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

236 24.9 20.9 31.3



#76

Benzidine

Concen: 2.288 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

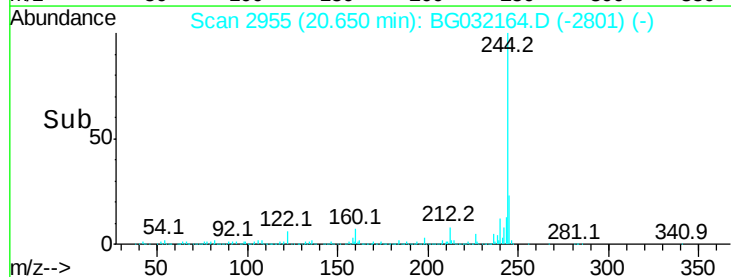
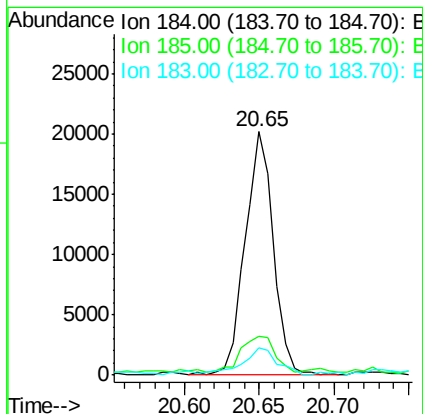
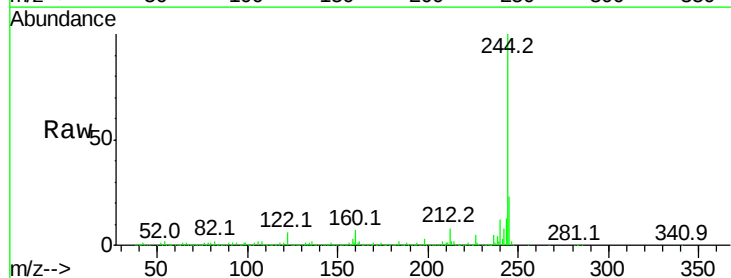
Tgt Ion:184 Resp: 26316

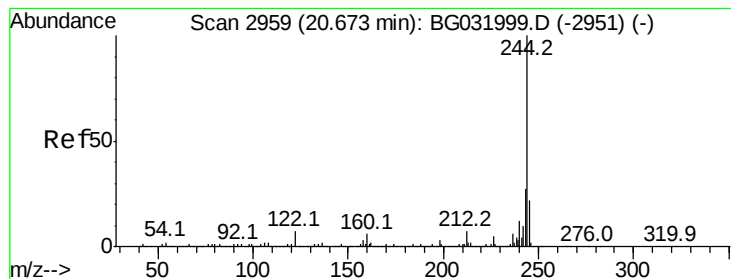
Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

183 11.1 10.6 16.0





#78

Terphenyl-d14

Concen: 87.182 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

Instrument :

BNA_G

ClientSampleId :

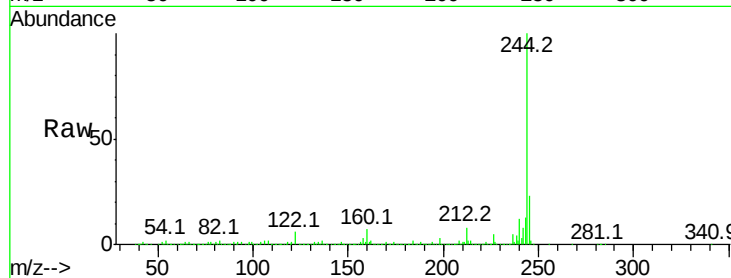
Tot Ion:244 Resp: 1815697

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

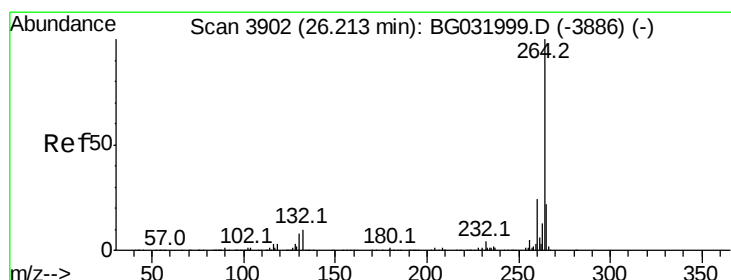
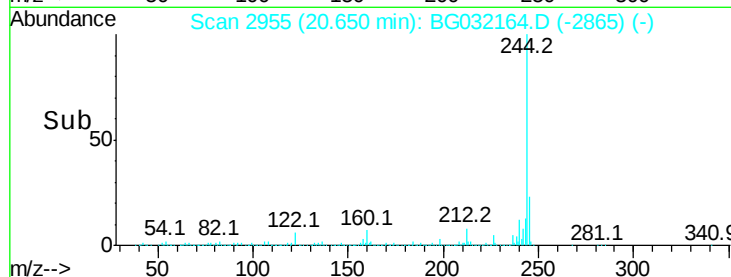
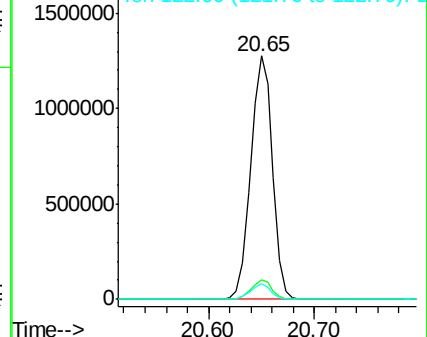
122 6.4 7.0 10.4#



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. -0.00 min

Lab File: BG032164.D

Acq: 19 Jan 2018 22:52

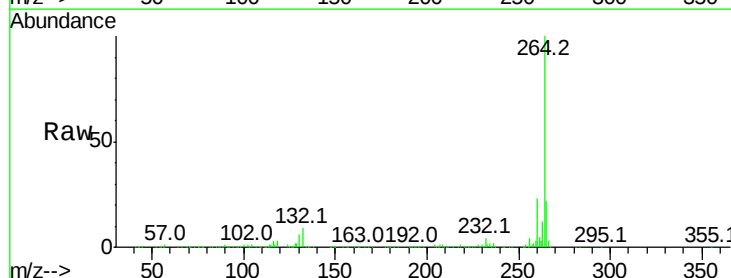
Tgt Ion:264 Resp: 480271

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.7 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

