

Data Path : U:\HPCHEM1\BNA G\DATA\BG011218\
 Data File : BG032021.D
 Acq On : 13 Jan 2018 2:55
 Operator : SJ/JU
 Sample : J1106-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 13 04:39:23 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 12 17:27:17 2018
 Response via : Initial Calibration

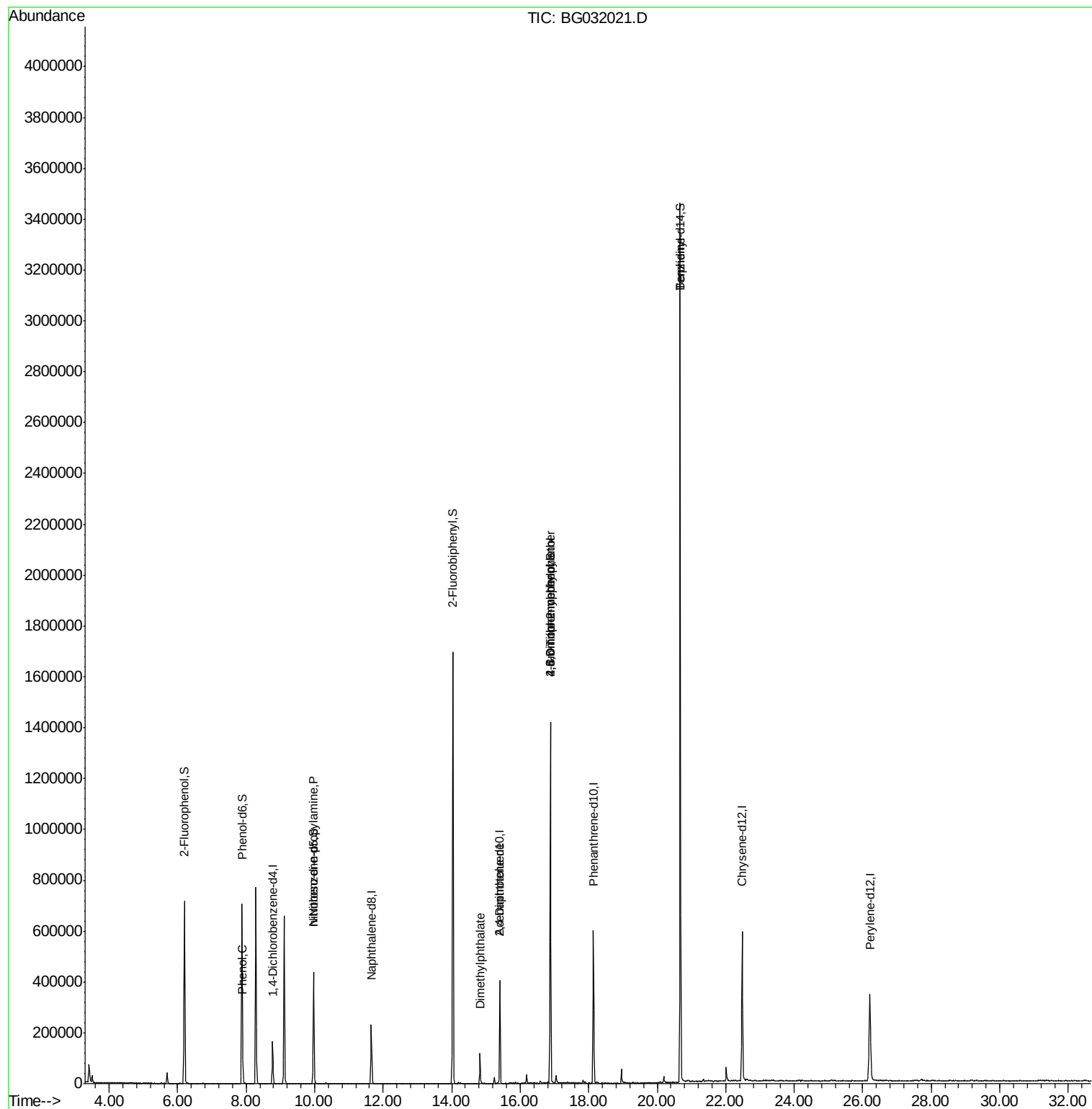
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	55317	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	231709	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	158588	20.00	ng	0.00
63) Phenanthrene-d10	18.14	188	408425	20.00	ng	0.00
75) Chrysene-d12	22.48	240	465325	20.00	ng	0.00
86) Perylene-d12	26.21	264	487916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	391413	129.41	ng	0.00
7) Phenol-d6	7.88	99	497480	130.60	ng	0.00
23) Nitrobenzene-d5	9.97	82	286929	83.78	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	341084	129.97	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1047391	81.89	ng	0.00
78) Terphenyl-d14	20.67	244	1845667	87.58	ng	0.00
Target Compounds						
10) Phenol	7.90	94	18913	5.040	ng	89
19) n-Nitroso-di-n-propylamine	9.97	70	39515	16.719	ng	# 68
49) Dimethylphthalate	14.82	163	93468	6.735	ng	99
56) 2,4-Dinitrotoluene	15.40	165	21322	5.498	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.89	198	877	5.186	ng	93
66) 4-Bromophenyl-phenylether	16.88	248	26950	4.638	ng	# 1
76) Benizidine	20.67	184	24318	2.090	ng	# 86

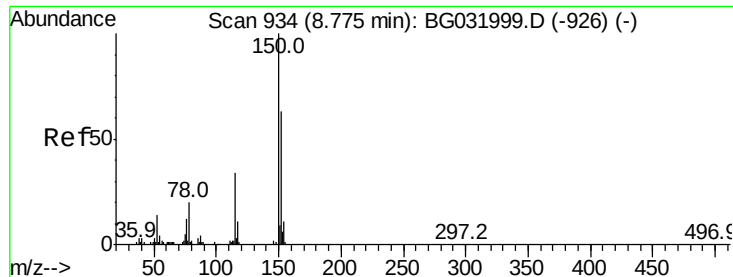
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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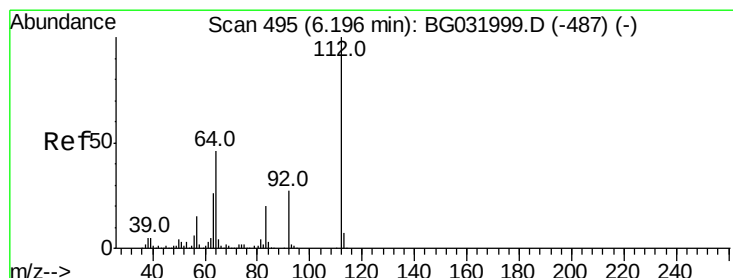
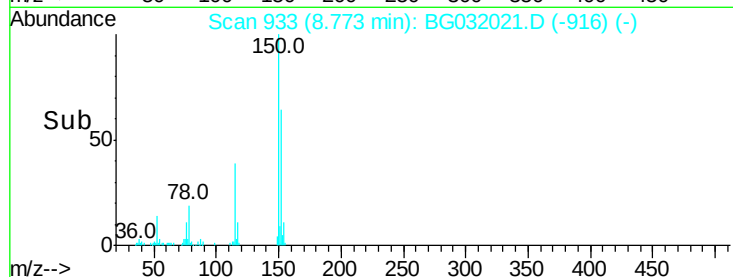
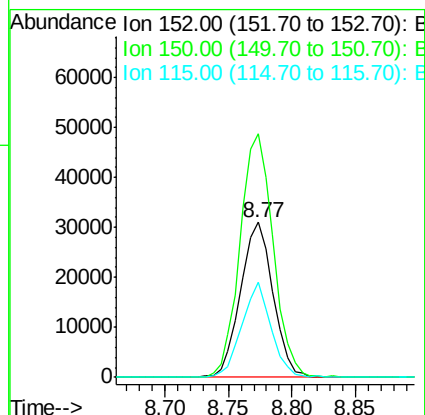
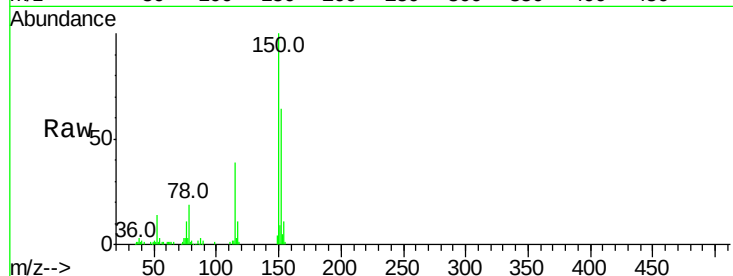


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Instrument :
BNA_G
ClientSampleId :

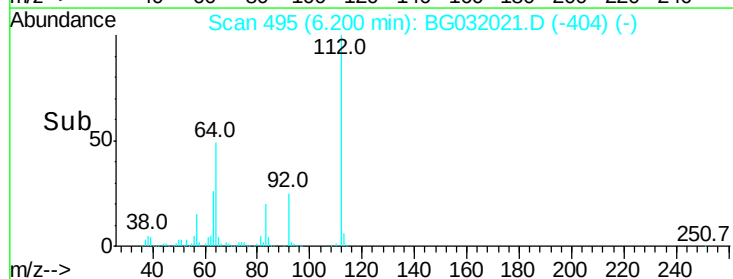
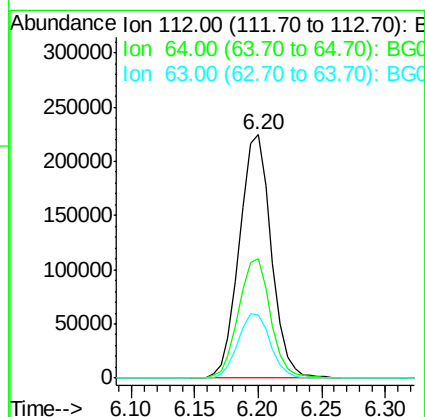
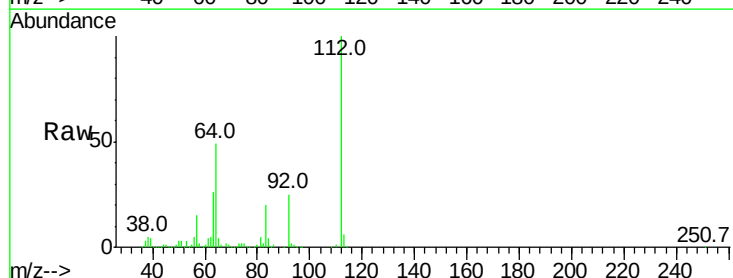
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.6	189.8
115	61.0	53.0	79.4

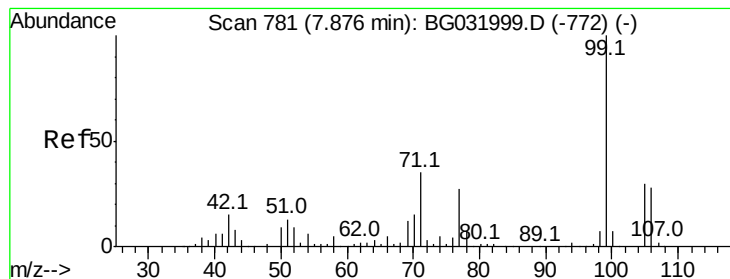


#5

2-Fluorophenol
Concen: 129.412 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.0	56.3	84.5#
63	25.8	30.1	45.1#





#7

Phenol-d6

Concen: 130.599 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

Instrument :

BNA_G

ClientSampleId :

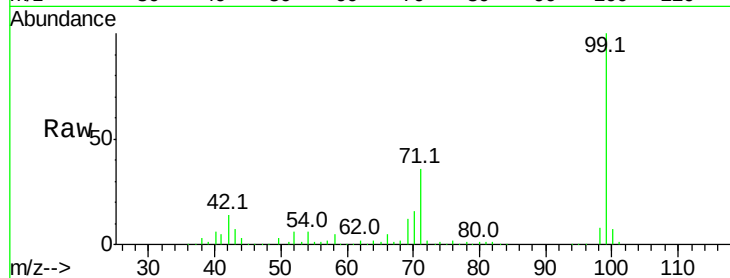
Tot Ion: 99 Resp: 497480

Ion Ratio Lower Upper

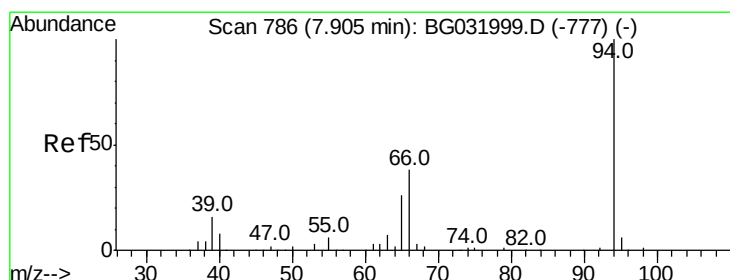
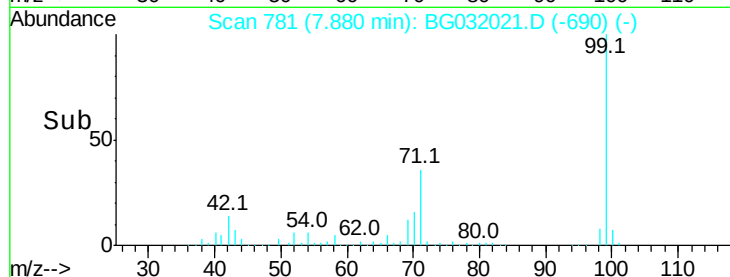
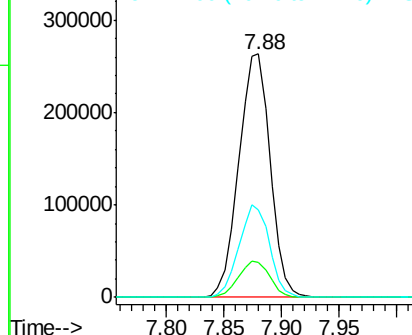
99 100

42 14.3 14.1 21.1

71 35.7 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: 5.040 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.00 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

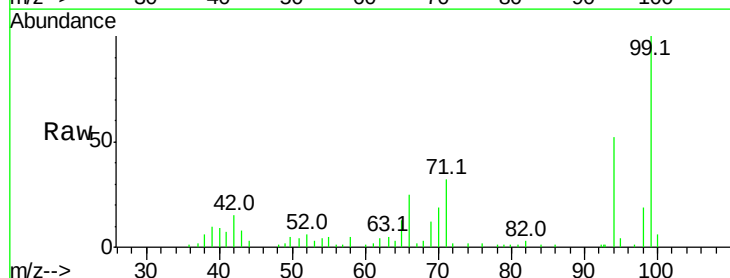
Tgt Ion: 94 Resp: 18913

Ion Ratio Lower Upper

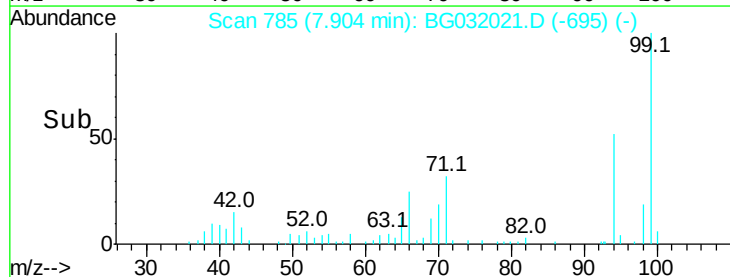
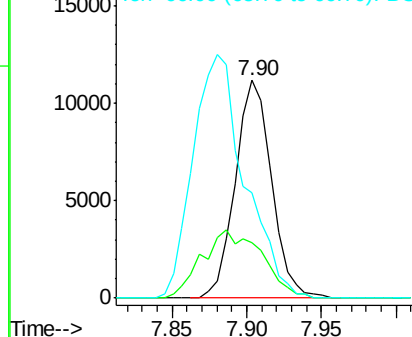
94 100

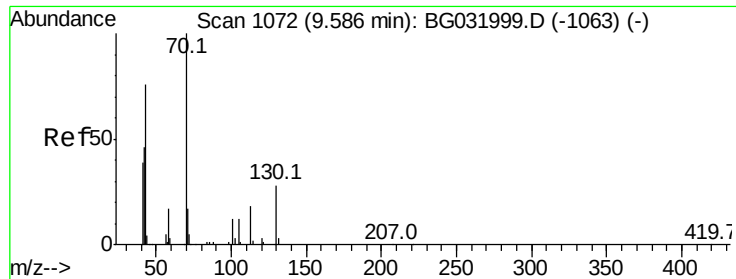
65 25.4 11.9 51.9

66 48.6 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

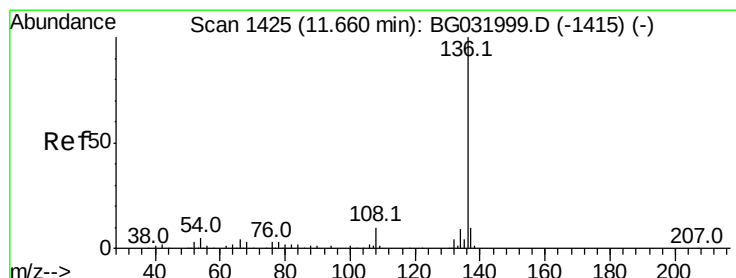
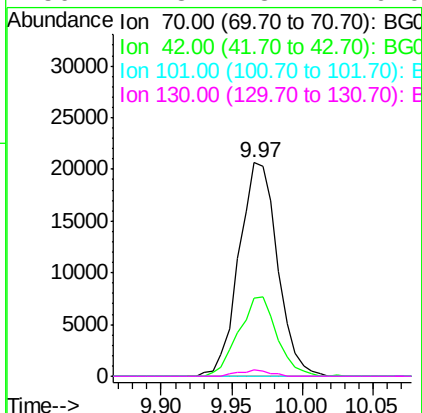
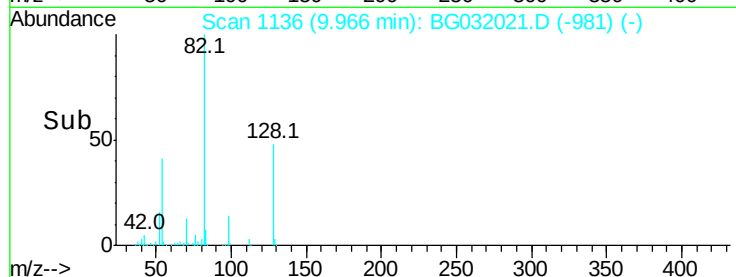
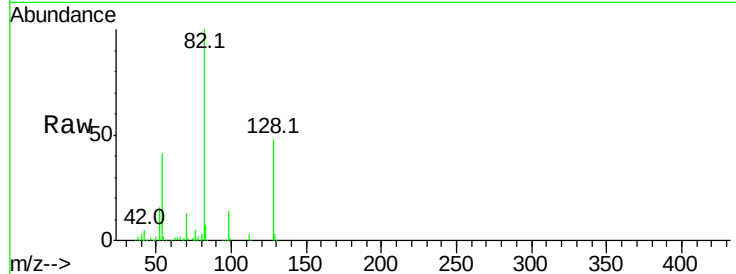




#19
n-Nitroso-di-n-propylamine
Concen: 16.719 ng
RT: 9.97 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

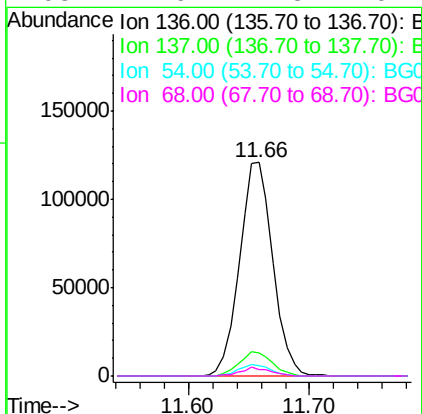
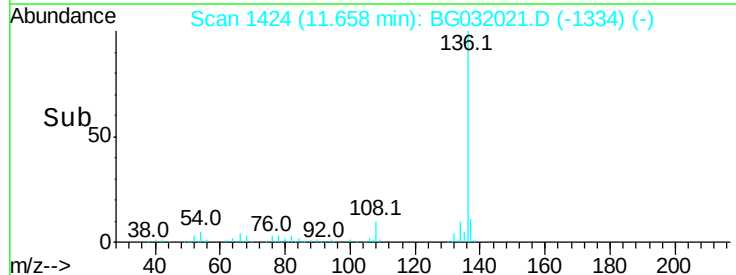
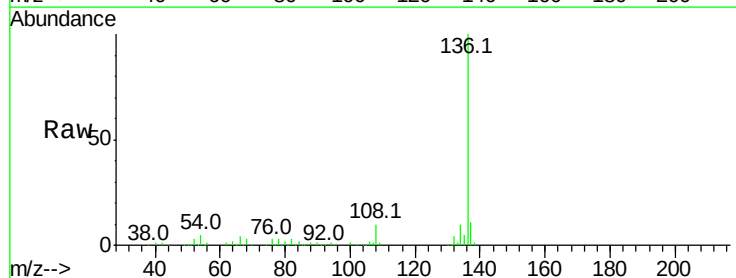
Instrument :
BNA_G
ClientSampleId :

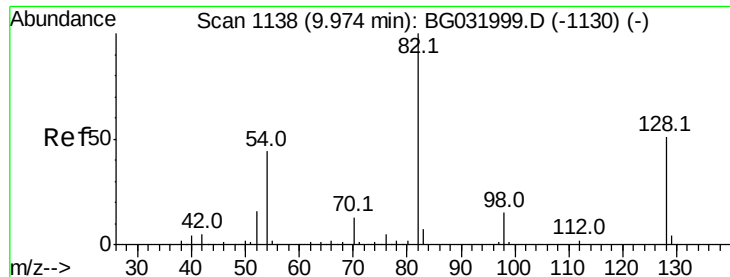
Tot Ion:	70	Resp:	39515
Ion Ratio	Lower	Upper	
70	100		
42	36.8	49.1	73.7#
101	0.0	8.5	12.7#
130	2.8	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Tgt Ion:	136	Resp:	231709
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.2	13.8
54	4.9	10.3	15.5#
68	2.9	4.5	6.7#

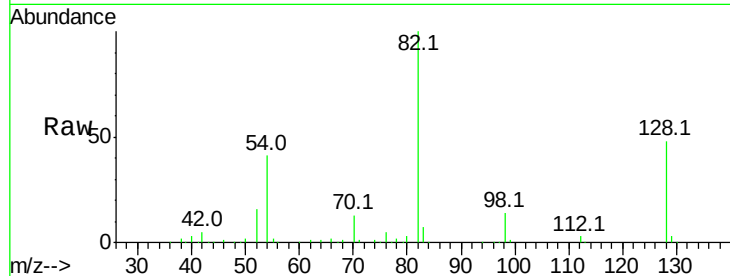




#23
Nitrobenzene-d5
Concen: 83.777 ng
RT: 9.97 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Instrument :
BNA_G
ClientSampleId :

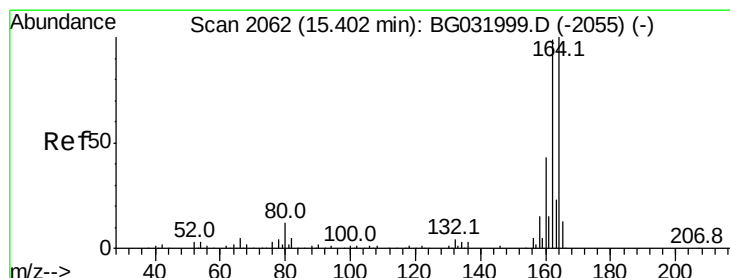
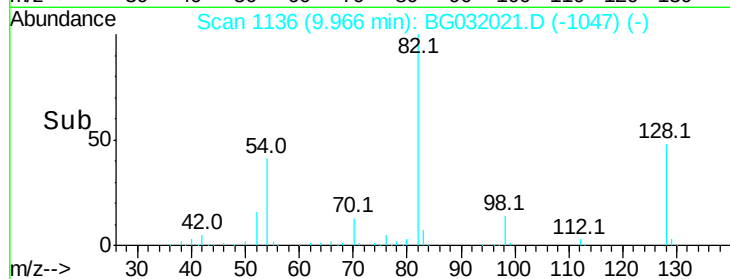
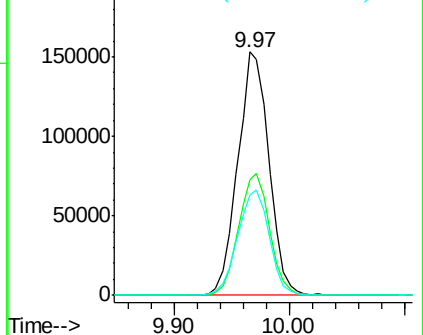
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	29.7	44.5#
54	41.4	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BG031999.D (-1130) (-)

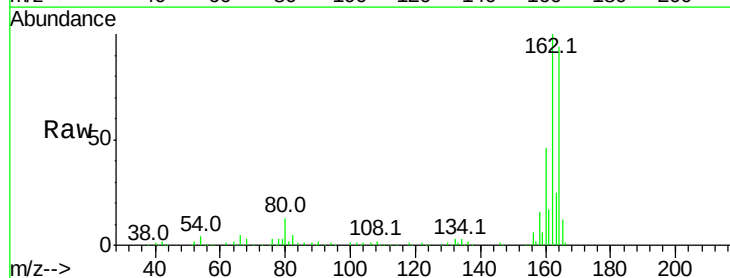
Ion 128.00 (127.70 to 128.70): BG031999.D (-1130) (-)

Ion 54.00 (53.70 to 54.70): BG031999.D (-1130) (-)



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

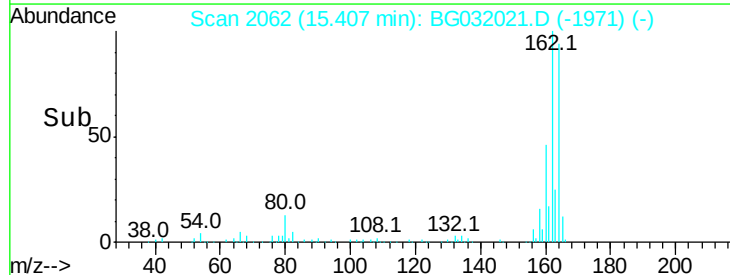
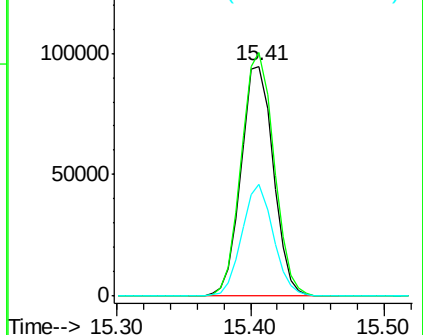
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	78.8	118.2
160	48.5	35.4	53.0

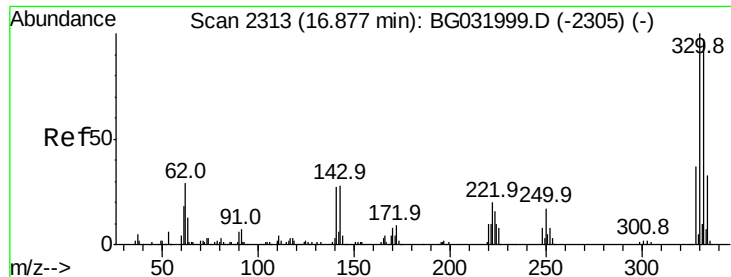


Abundance Ion 164.00 (163.70 to 164.70): BG031999.D (-2055) (-)

Ion 162.00 (161.70 to 162.70): BG031999.D (-2055) (-)

Ion 160.00 (159.70 to 160.70): BG031999.D (-2055) (-)

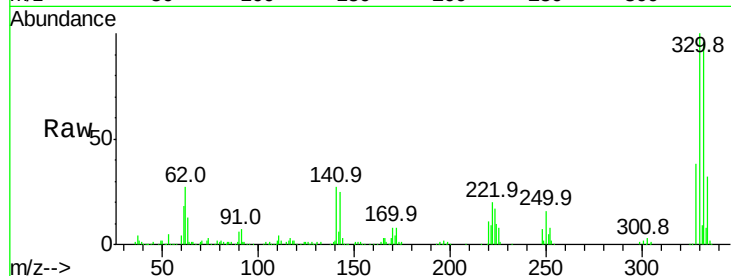




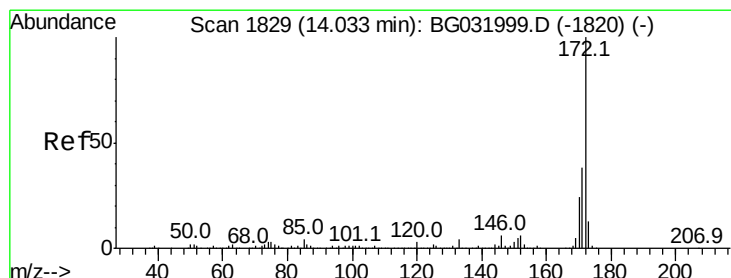
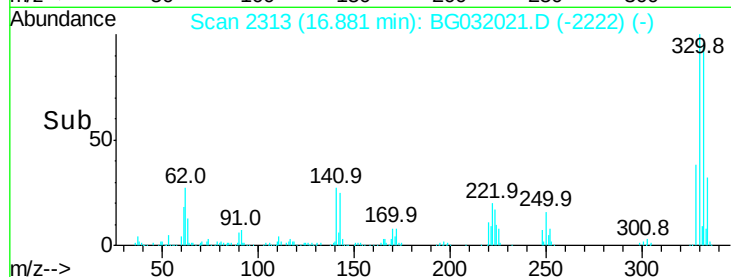
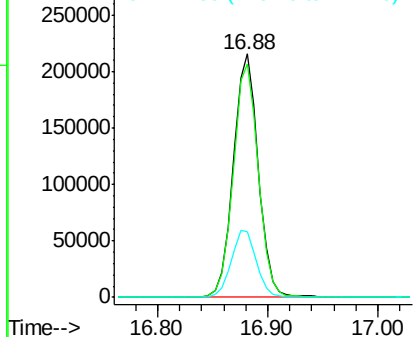
#41
 2,4,6-Tribromophenol
 Concen: 129.973 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: BG032021.D
 Acq: 13 Jan 2018 2:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	27.6	25.2	37.8

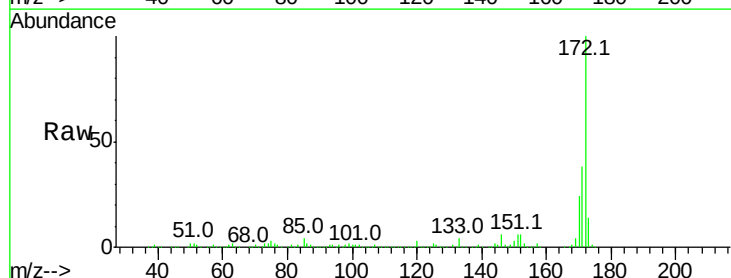


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

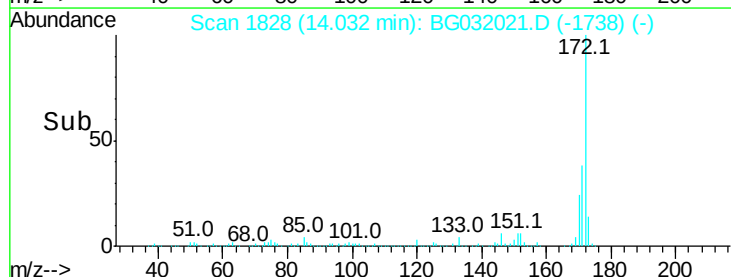
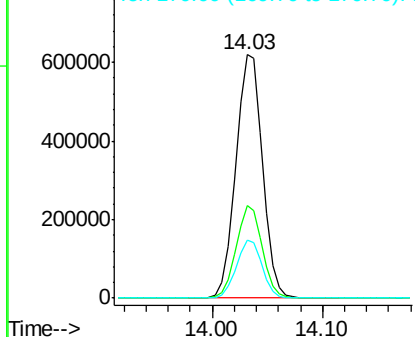


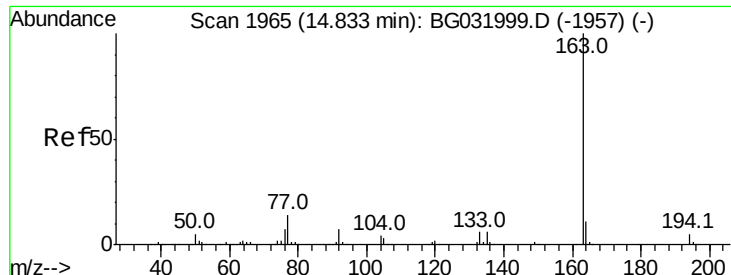
#44
 2-Fluorobiphenyl
 Concen: 81.892 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032021.D
 Acq: 13 Jan 2018 2:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	23.9	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: 6.735 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

Instrument :

BNA_G

ClientSampleId :

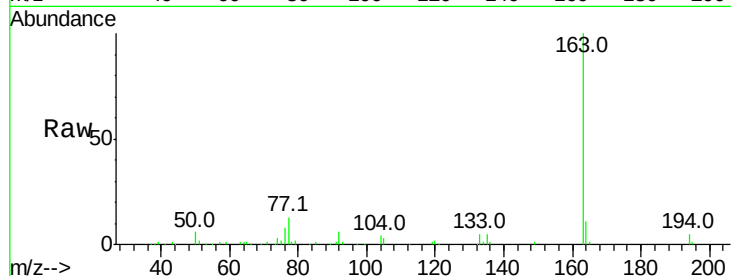
Tot Ion:163 Resp: 93468

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

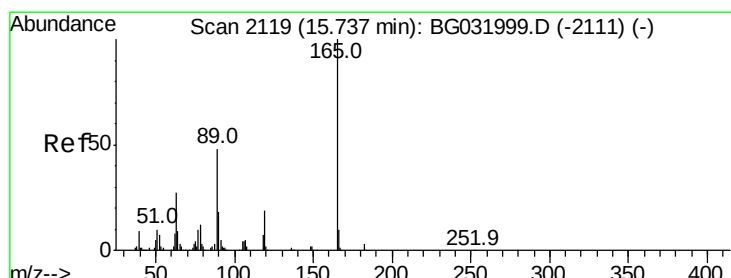
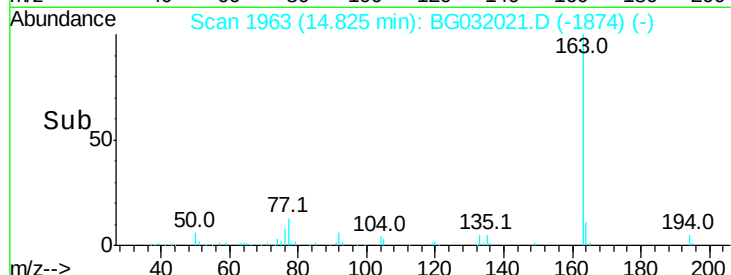
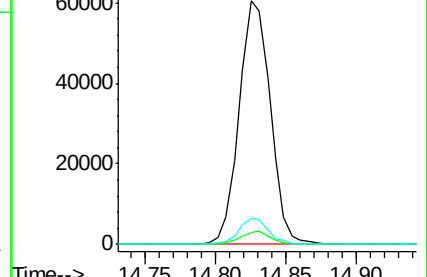
164 10.8 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.498 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.34 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

Tgt Ion:165 Resp: 21322

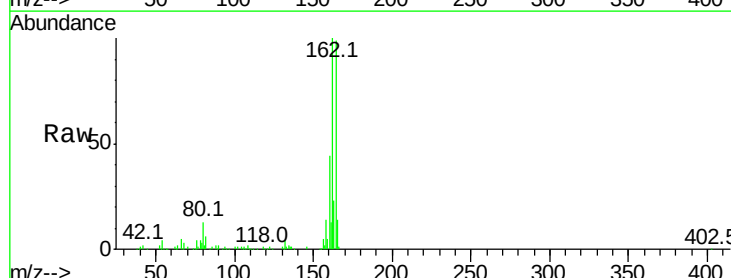
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 2.4 66.9 100.3#

182 0.0 2.6 3.8#

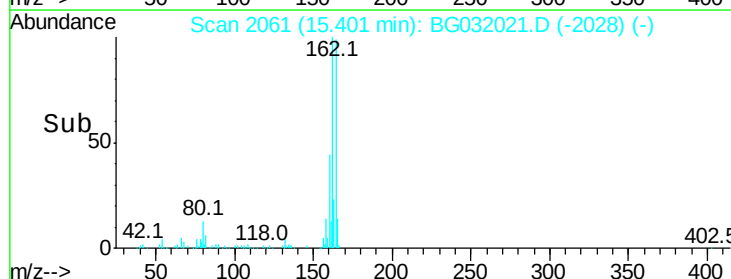
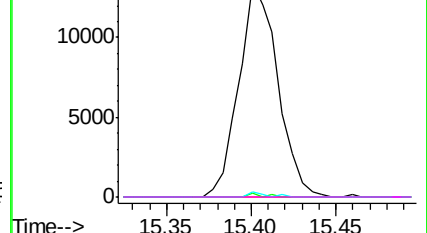


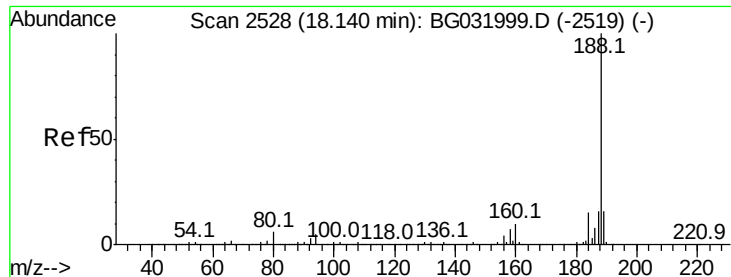
Abundance Ion 165.00 (164.70 to 165.70): E

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

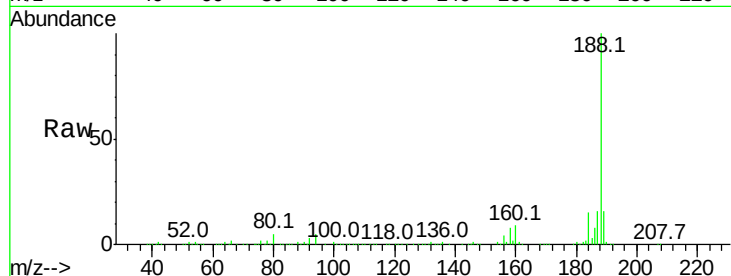




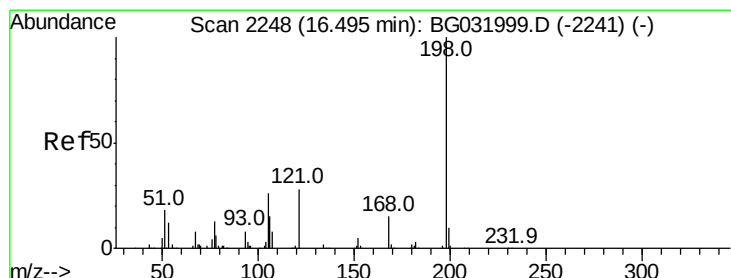
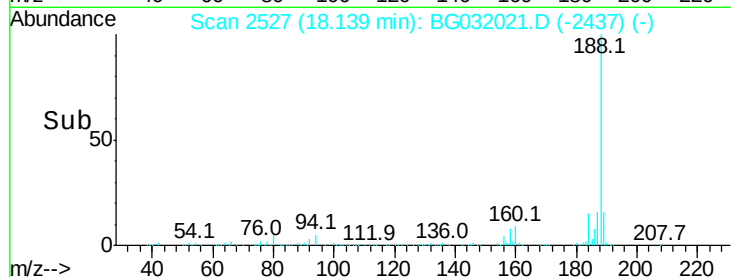
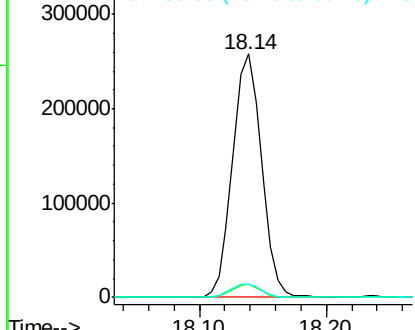
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 408425
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 5.3 7.7 11.5#

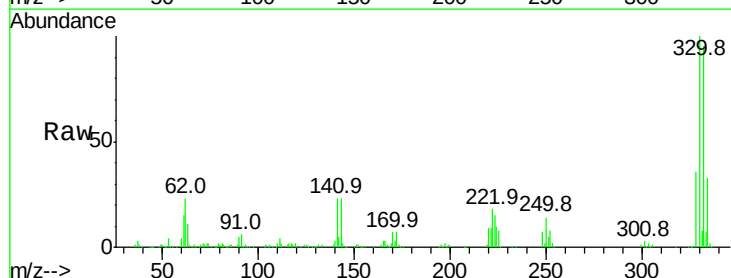


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

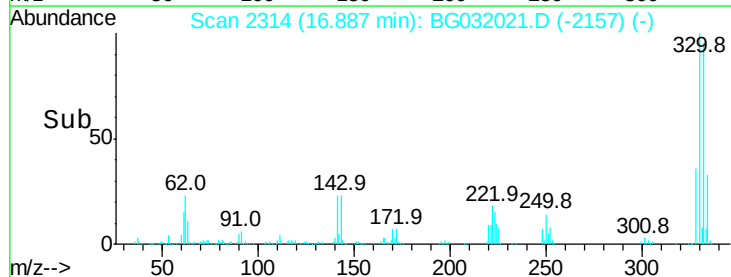
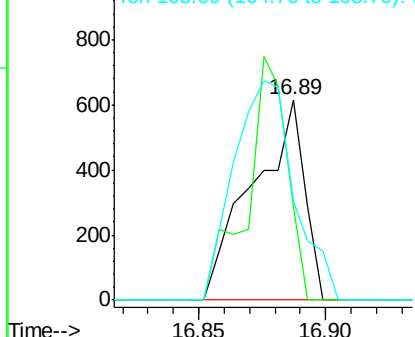


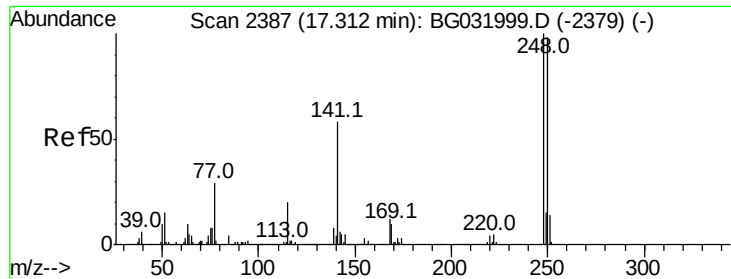
#64
4,6-Dinitro-2-methylphenol
Concen: 5.186 ng
RT: 16.89 min Scan# 2314
Delta R.T. 0.39 min
Lab File: BG032021.D
Acq: 13 Jan 2018 2:55

Tgt Ion:198 Resp: 877
Ion Ratio Lower Upper
198 100
51 46.7 30.6 70.6
105 49.3 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

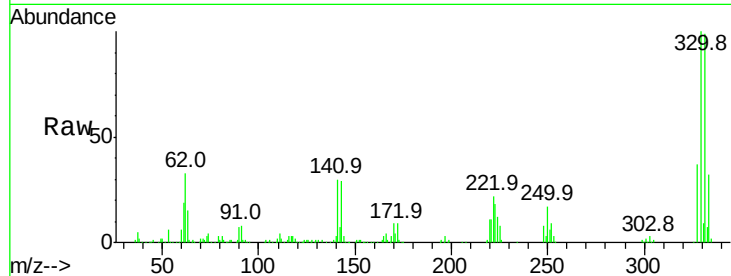




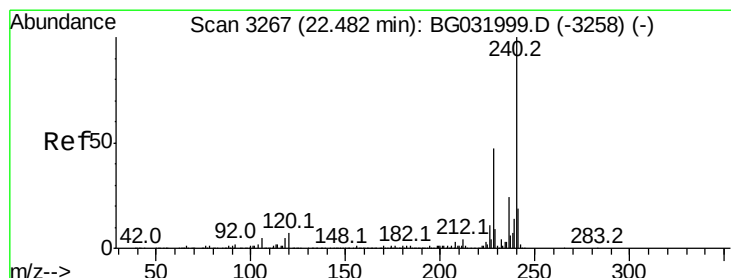
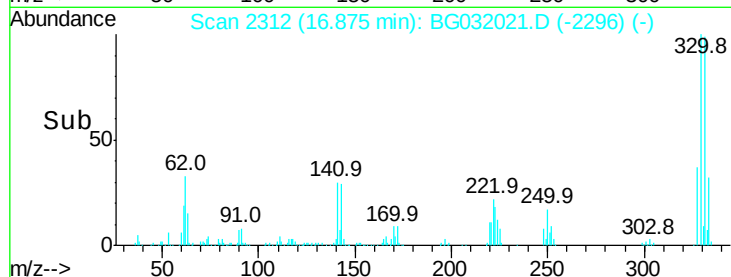
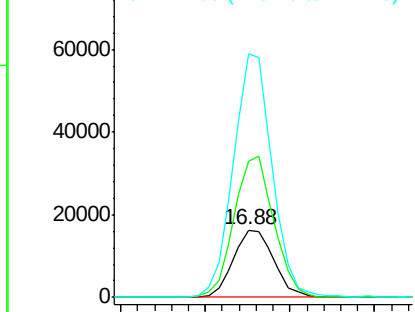
#66
 4-Bromophenyl-phenylether
 Concen: 4.638 ng
 RT: 16.88 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032021.D
 Acq: 13 Jan 2018 2:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26950
 Ion Ratio Lower Upper
 248 100
 250 203.0 77.1 115.7#
 141 363.4 50.8 76.2#

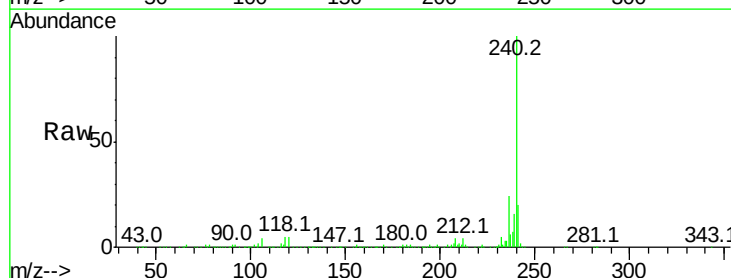


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

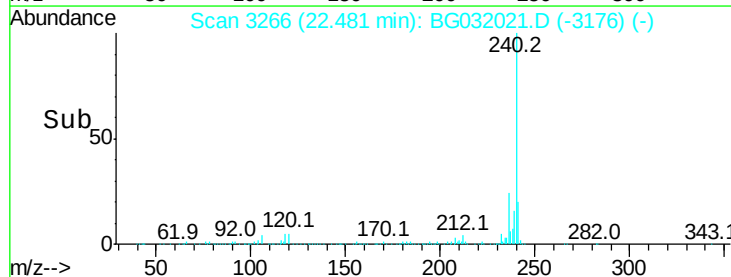
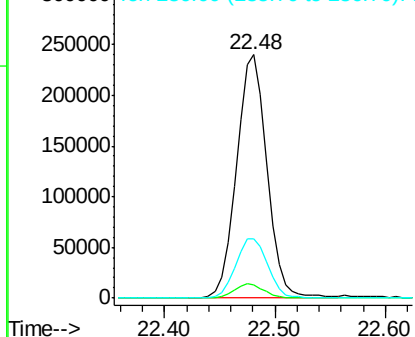


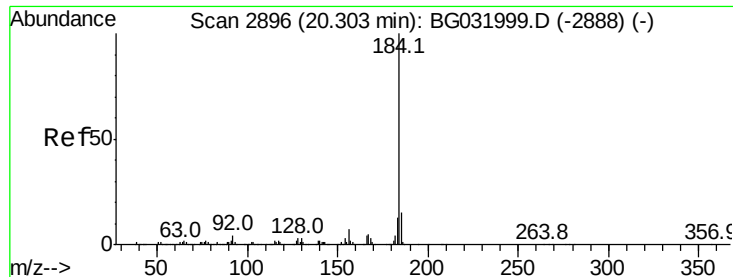
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.48 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: BG032021.D
 Acq: 13 Jan 2018 2:55

Tgt Ion:240 Resp: 465325
 Ion Ratio Lower Upper
 240 100
 120 5.4 6.8 10.2#
 236 24.4 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: 2.090 ng

RT: 20.67 min Scan# 2958

Delta R.T. 0.37 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

Instrument :

BNA_G

ClientSampled :

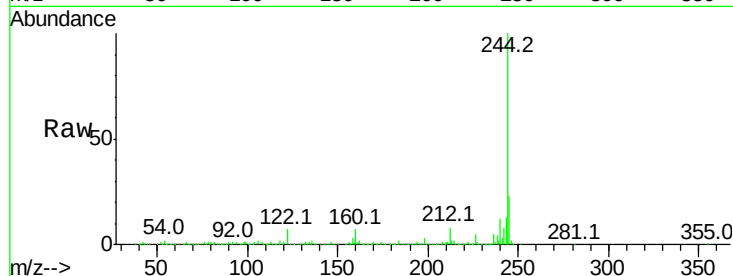
Tot Ion:184 Resp: 24318

Ion Ratio Lower Upper

184 100

185 19.0 11.1 16.7#

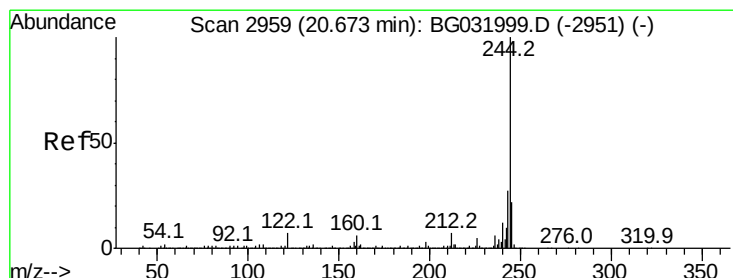
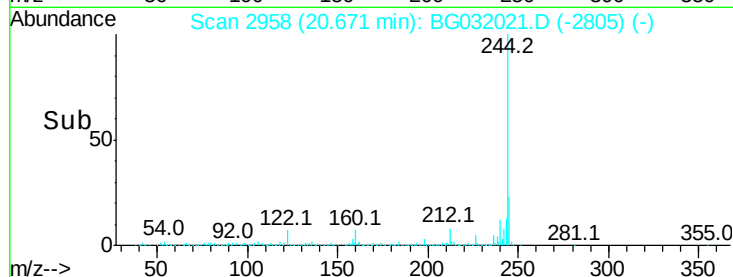
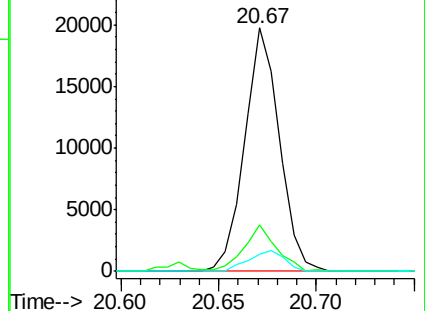
183 7.1 10.6 16.0#



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: 87.580 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.00 min

Lab File: BG032021.D

Acq: 13 Jan 2018 2:55

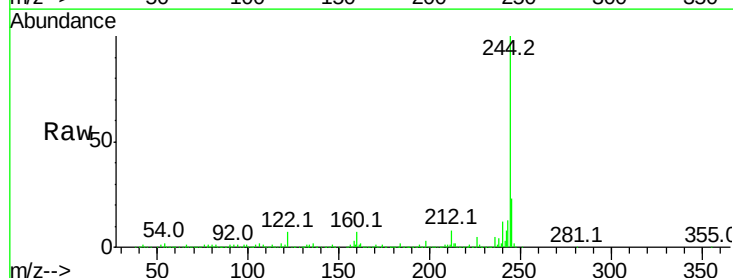
Tgt Ion:244 Resp: 1845667

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

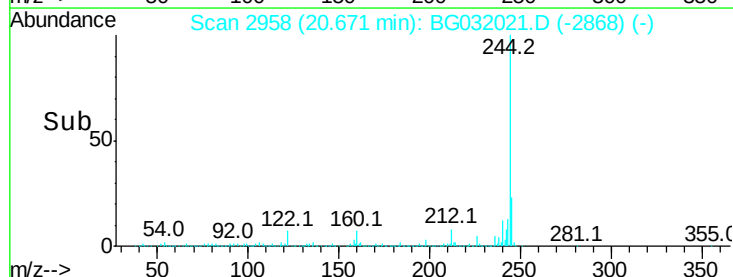
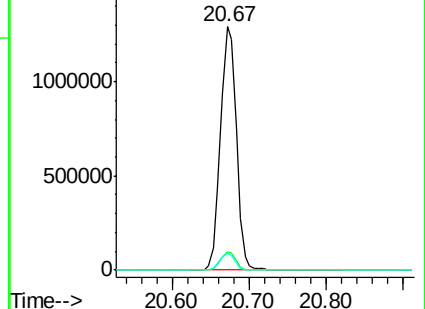
122 7.0 7.0 10.4

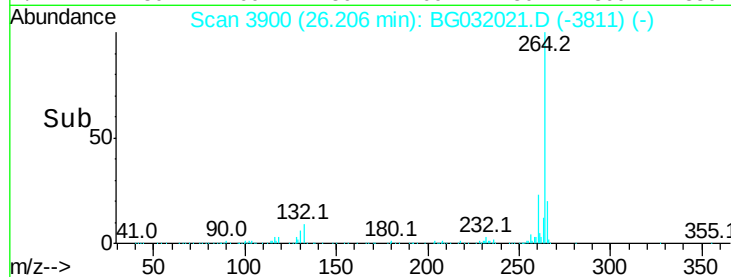
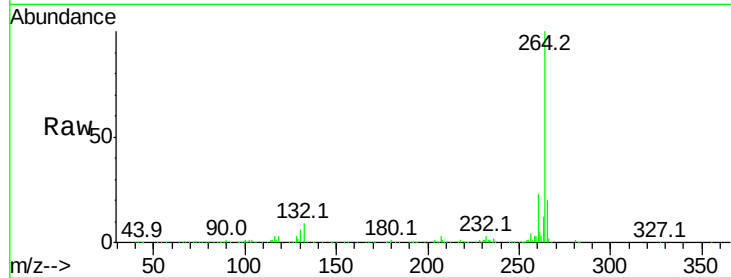
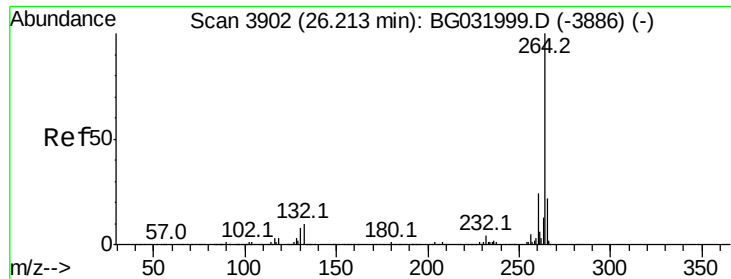


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.21 min Scan# 3900
 Delta R.T. -0.01 min
 Lab File: BG032021.D
 Acq: 13 Jan 2018 2:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	19.7	17.7	26.5

