

Data Path : U:\HPCHEM1\BNA G\DATA\BG011218\
 Data File : BG032020.D
 Acq On : 13 Jan 2018 2:18
 Operator : SJ/JU
 Sample : J1106-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 13 04:38:58 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

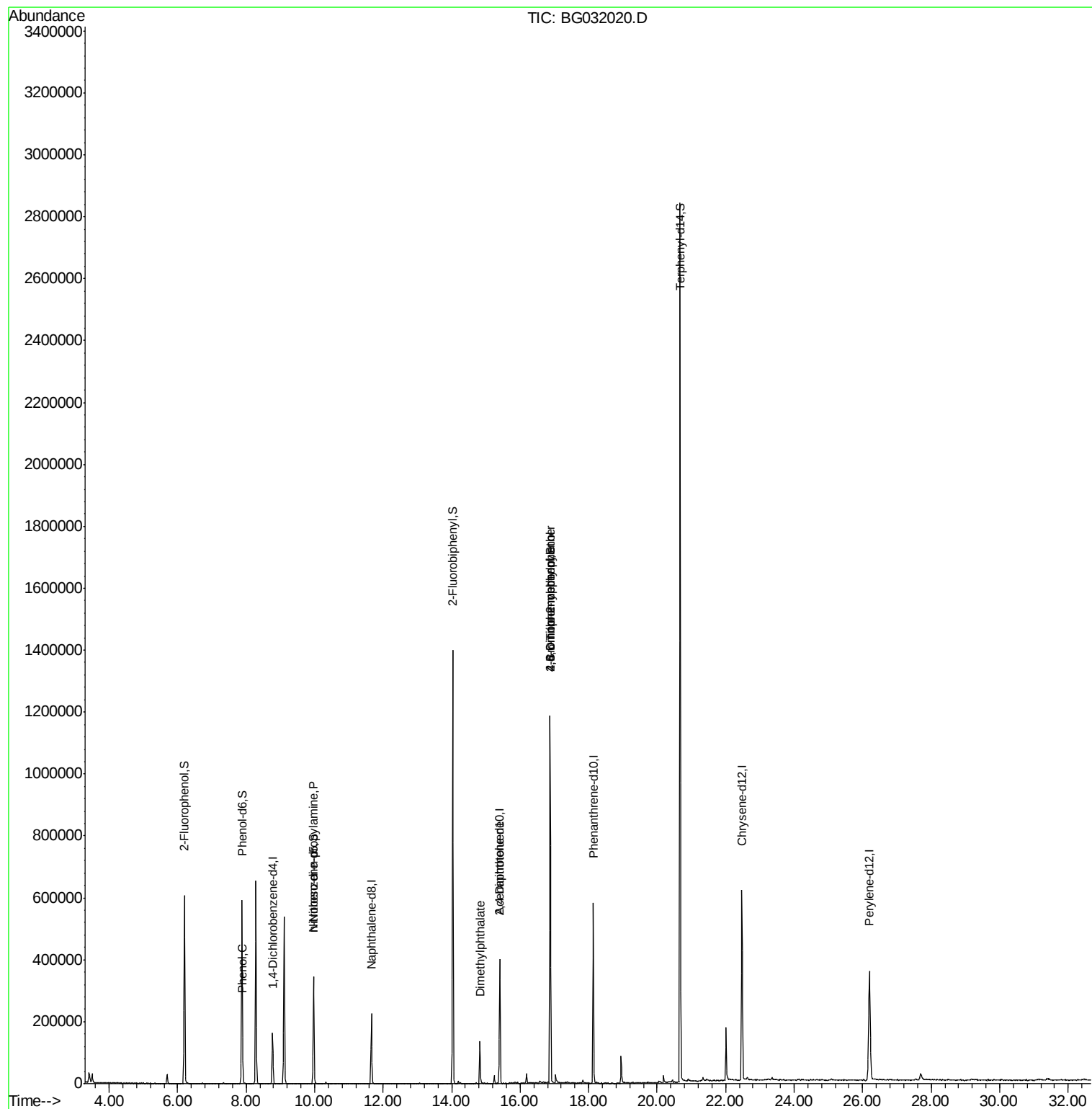
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	56091	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	233084	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	160567	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	406456	20.00	ng	0.00
75) Chrysene-d12	22.47	240	467935	20.00	ng	0.00
86) Perylene-d12	26.20	264	497154	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	326765	106.55	ng	0.00
7) Phenol-d6	7.88	99	410154	106.19	ng	0.00
23) Nitrobenzene-d5	9.97	82	231308	67.14	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	280034	105.39	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	844994	65.25	ng	0.00
78) Terphenyl-d14	20.67	244	1526217	72.02	ng	0.00
Target Compounds						
10) Phenol	7.90	94	15946	4.191	ng	99
19) n-Nitroso-di-n-propylamine	9.97	70	30989	12.931	ng	# 76
49) Dimethylphthalate	14.82	163	106618	7.588	ng	# 98
56) 2,4-Dinitrotoluene	15.41	165	20972	5.341	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.88	198	619	5.098	ng	# 42
66) 4-Bromophenyl-phenylether	16.87	248	22617	3.911	ng	# 1

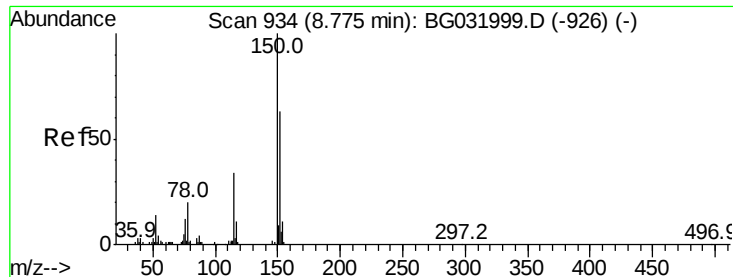
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032020.D

Acq: 13 Jan 2018 2:18

Instrument :

BNA_G

ClientSampleId :

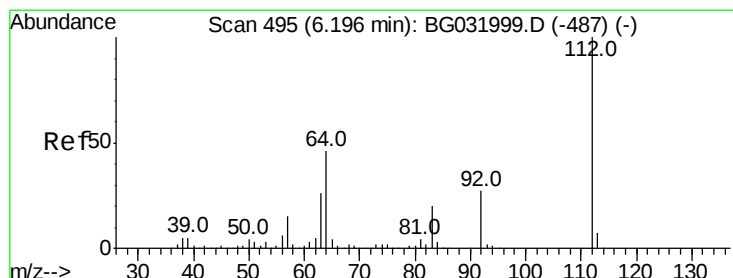
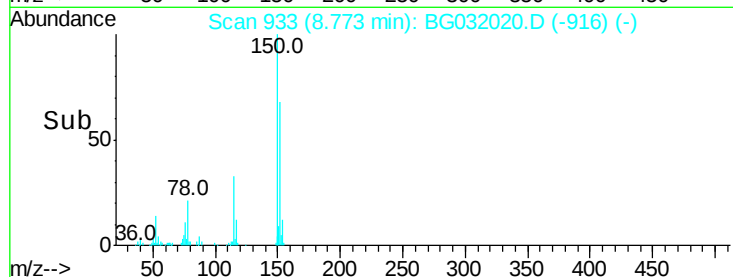
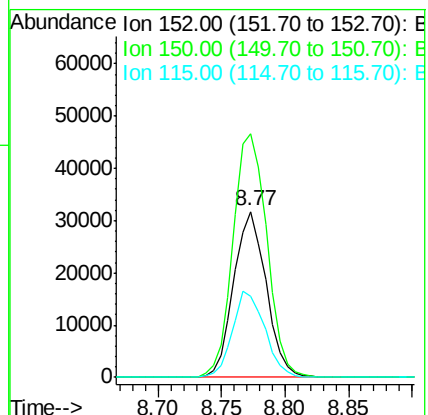
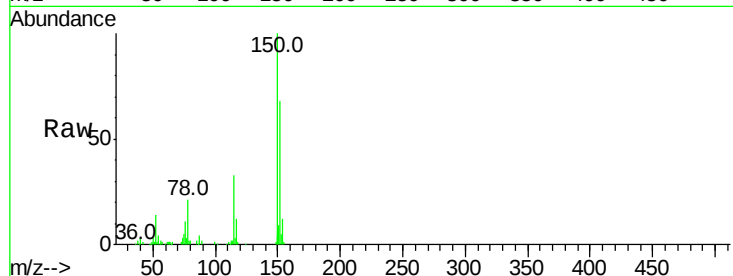
Tot Ion:152 Resp: 56091

Ion Ratio Lower Upper

152 100

150 147.1 126.6 189.8

115 48.9 53.0 79.4#



#5

2-Fluorophenol

Concen: 106.547 ng

RT: 6.20 min Scan# 495

Delta R.T. 0.00 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

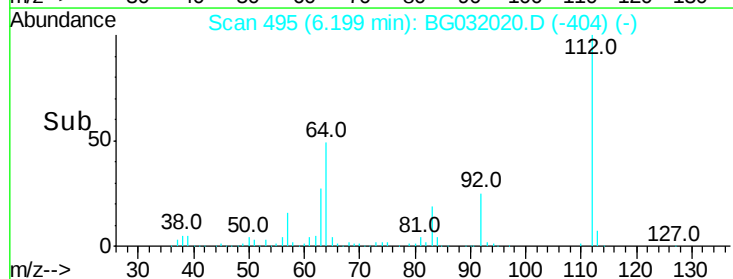
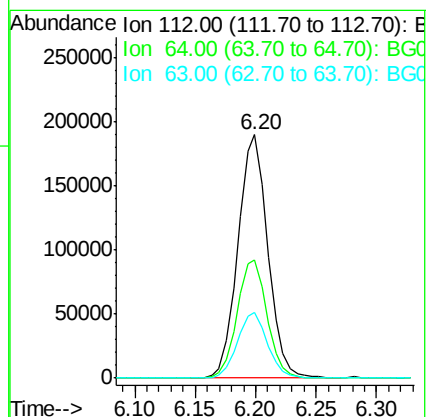
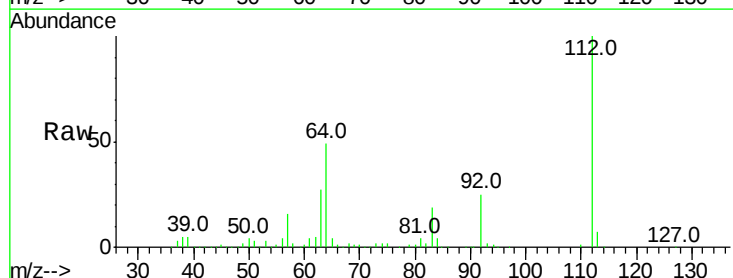
Tgt Ion:112 Resp: 326765

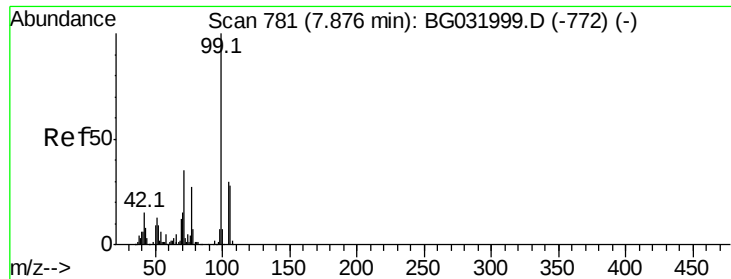
Ion Ratio Lower Upper

112 100

64 48.7 56.3 84.5#

63 27.1 30.1 45.1#





#7

Phenol-d6

Concen: 106.188 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Instrument :

BNA_G

ClientSampled :

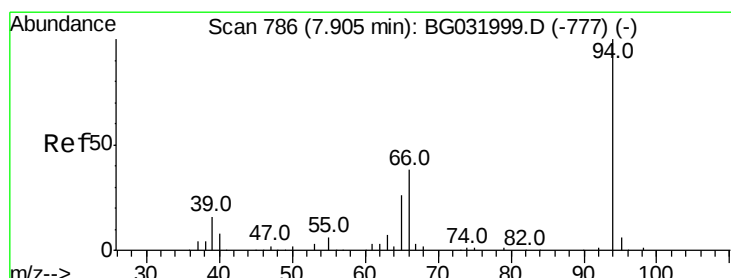
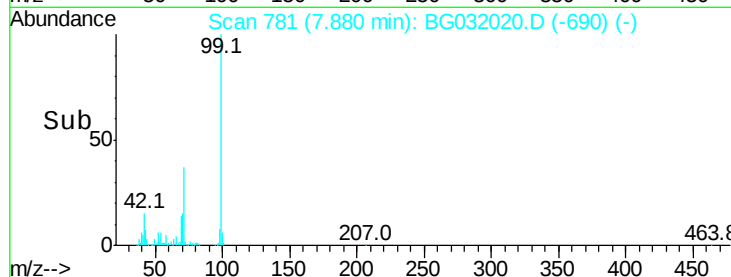
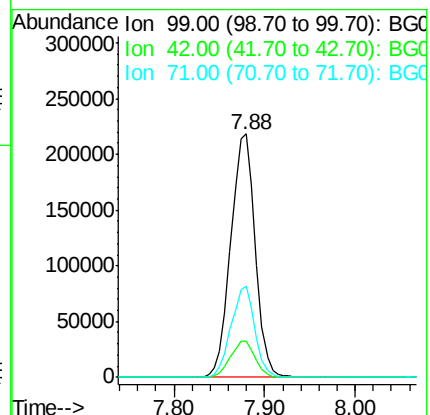
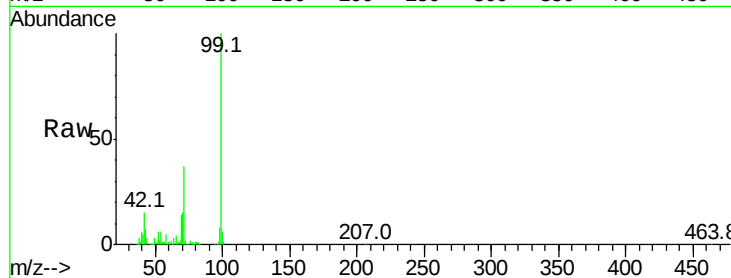
Tot Ion: 99 Resp: 410154

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

71 37.3 26.1 39.1



#10

Phenol

Concen: 4.191 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.00 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

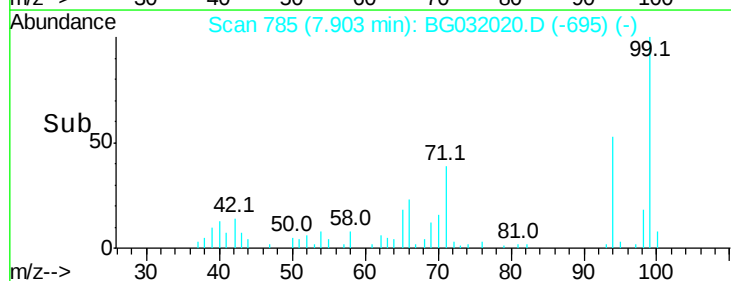
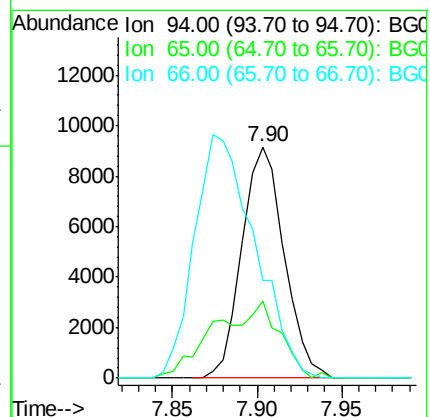
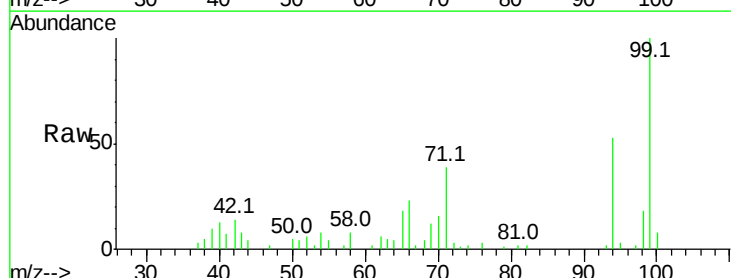
Tgt Ion: 94 Resp: 15946

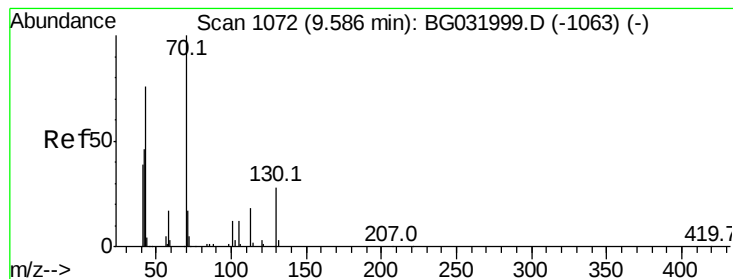
Ion Ratio Lower Upper

94 100

65 33.4 11.9 51.9

66 42.3 22.2 62.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.931 ng

RT: 9.97 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 30989

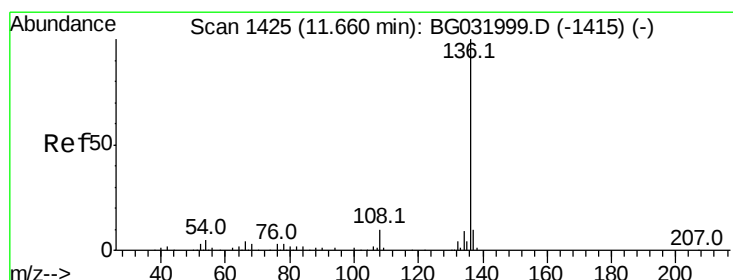
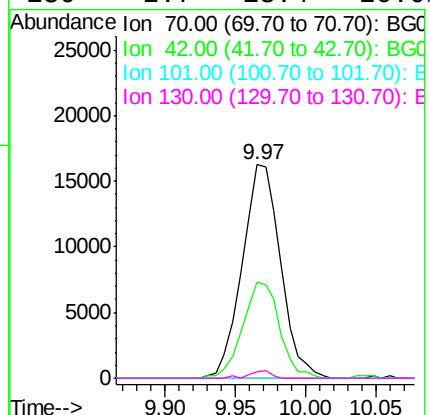
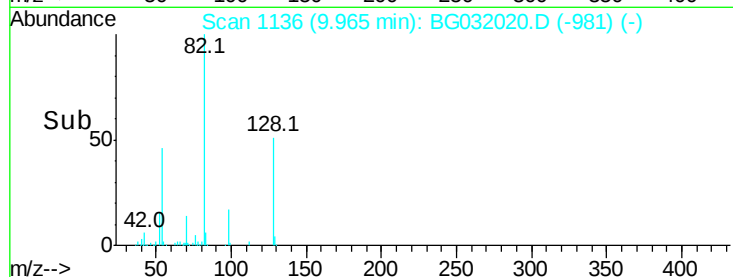
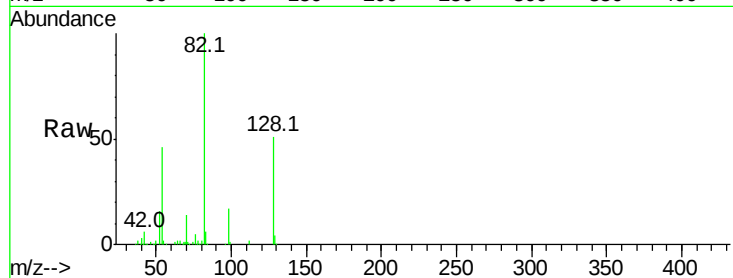
Ion Ratio Lower Upper

70 100

42 45.2 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: 11.66 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Tgt Ion: 136 Resp: 233084

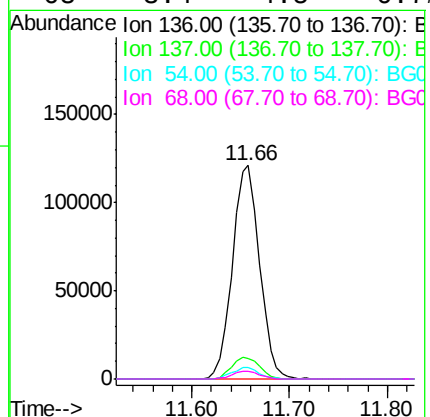
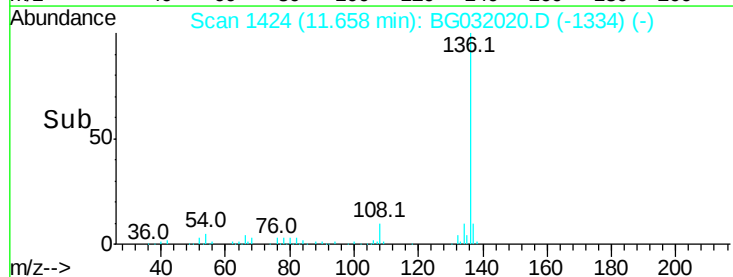
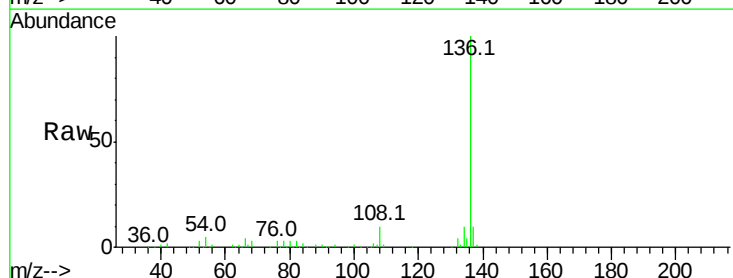
Ion Ratio Lower Upper

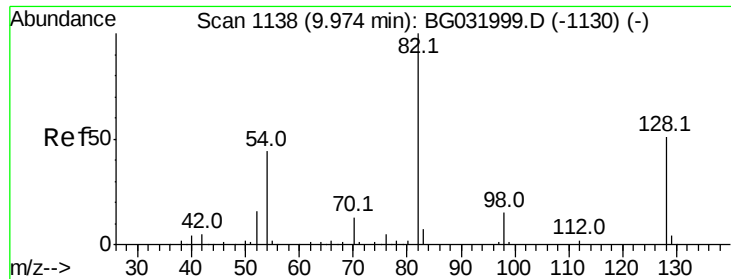
136 100

137 9.9 9.2 13.8

54 5.4 10.3 15.5#

68 3.4 4.5 6.7#

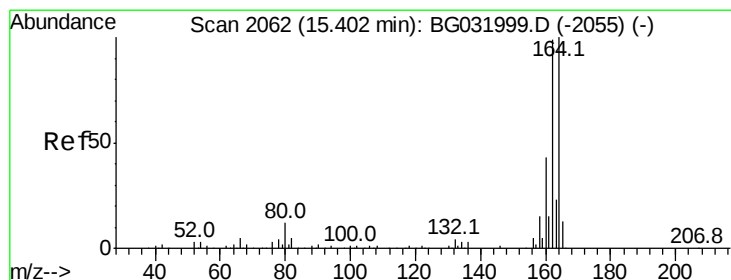
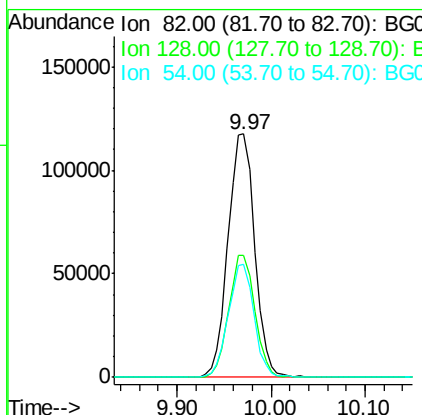
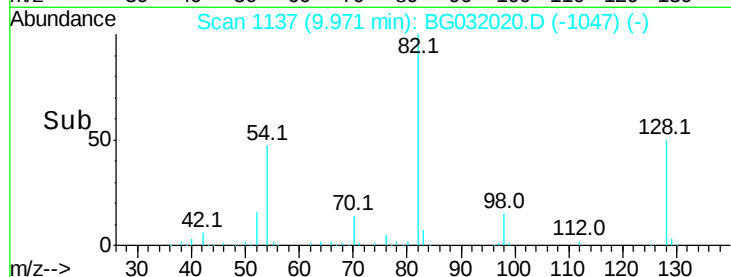
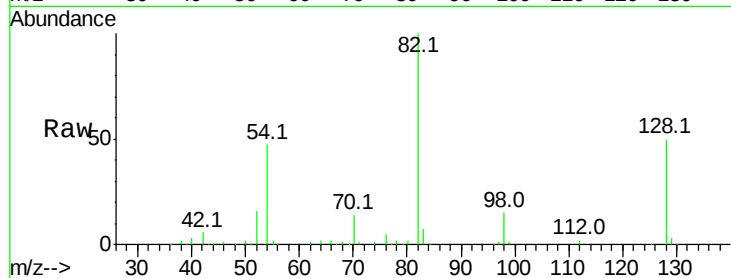




#23
 Nitrobenzene-d5
 Concen: 67.139 ng
 RT: 9.97 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: BG032020.D
 Acq: 13 Jan 2018 2:18

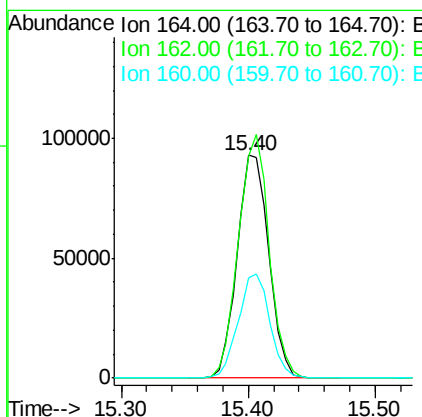
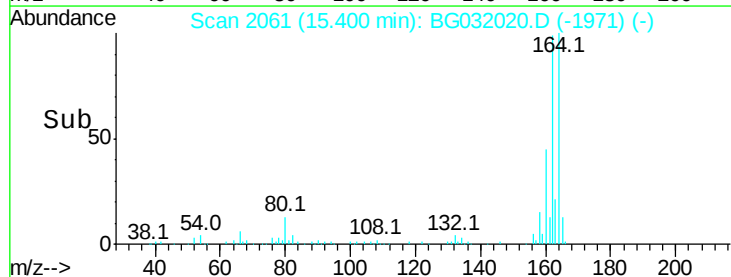
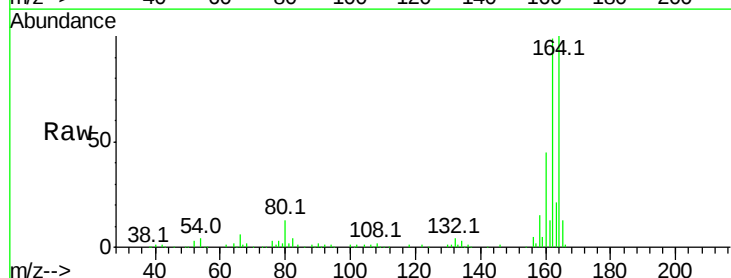
Instrument :
 BNA_G
 ClientSampleId :

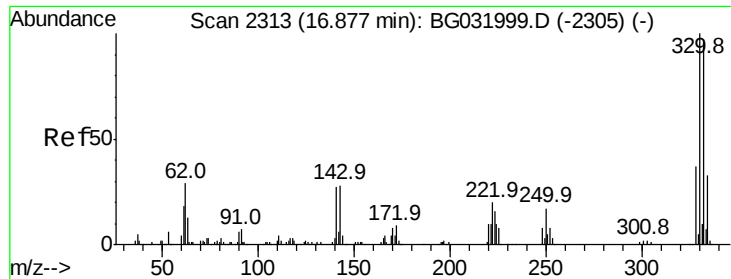
Tot Ion: 82 Resp: 231308
 Ion Ratio Lower Upper
 82 100
 128 50.1 29.7 44.5#
 54 46.6 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.00 min
 Lab File: BG032020.D
 Acq: 13 Jan 2018 2:18

Tgt Ion:164 Resp: 160567
 Ion Ratio Lower Upper
 164 100
 162 99.3 78.8 118.2
 160 45.2 35.4 53.0

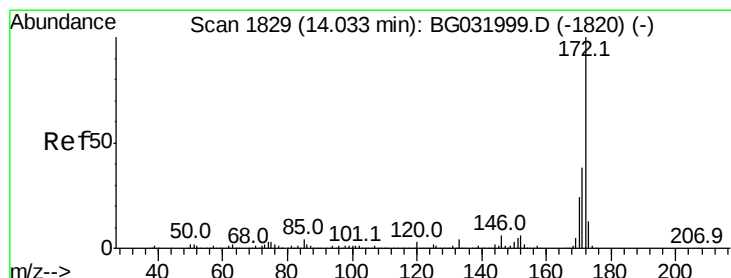
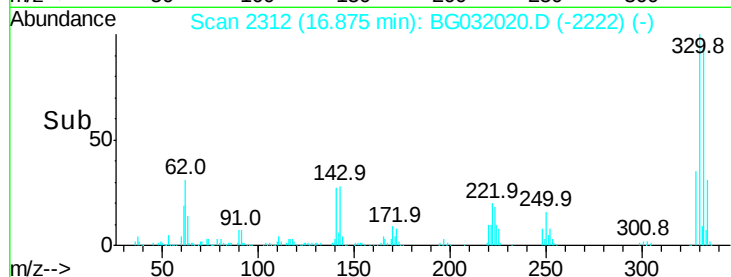
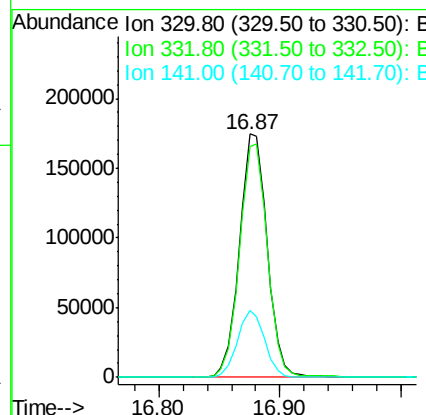
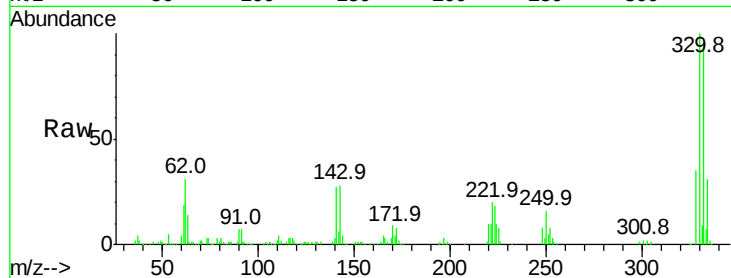




#41
 2,4,6-Tribromophenol
 Concen: 105.394 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BG032020.D
 Acq: 13 Jan 2018 2:18

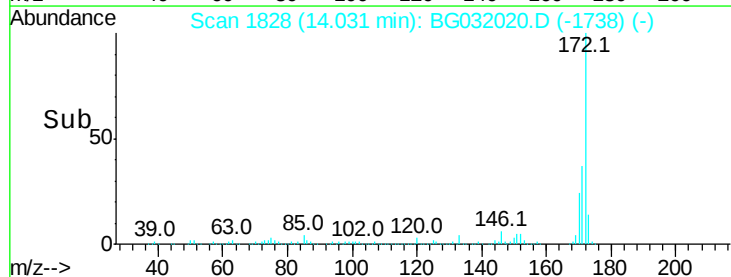
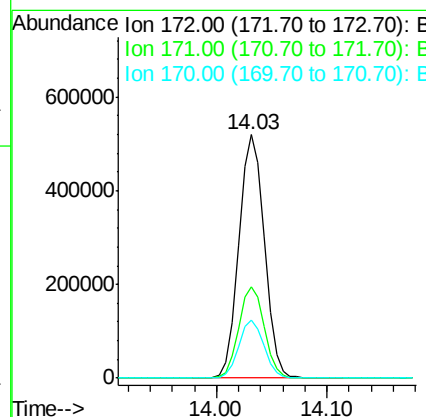
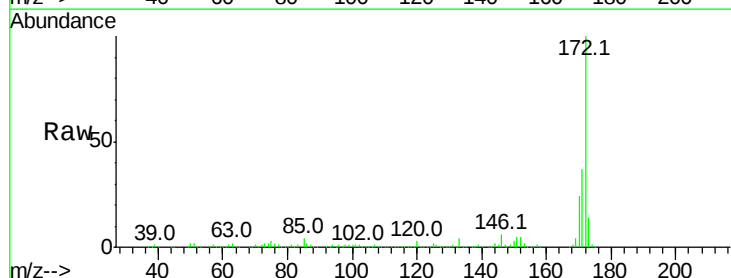
Instrument :
 BNA_G
 ClientSampleId :

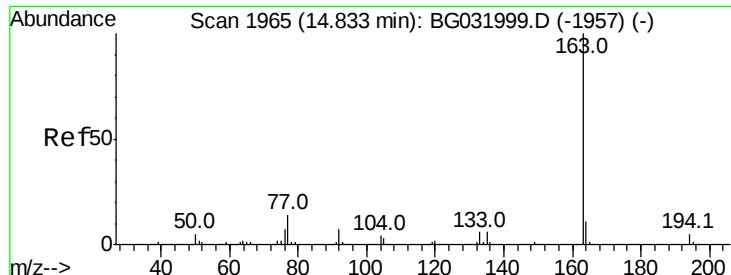
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	26.9	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 65.253 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032020.D
 Acq: 13 Jan 2018 2:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.9	19.5	29.3





#49

Dimethylphthalate

Concen: 7.588 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Instrument :

BNA_G

ClientSampleId :

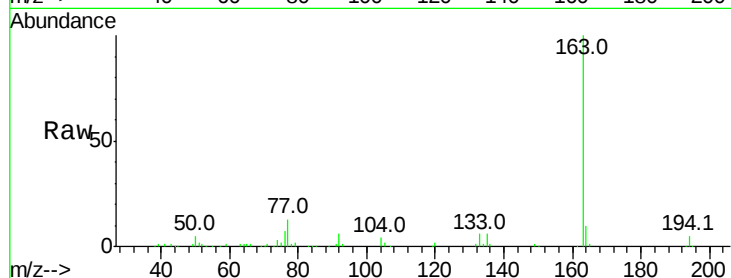
Tot Ion:163 Resp: 106618

Ion Ratio Lower Upper

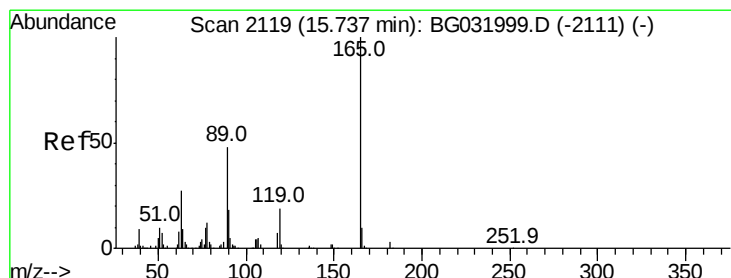
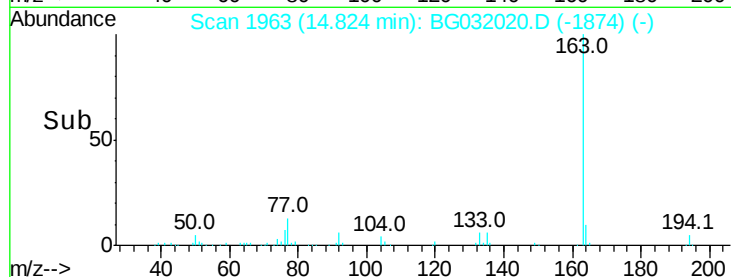
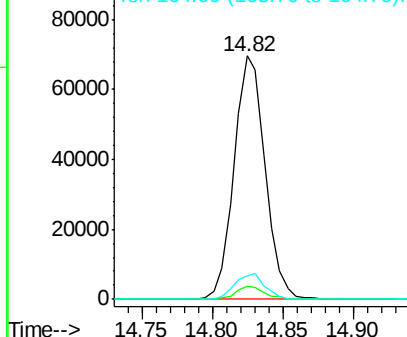
163 100

194 5.3 3.4 5.2#

164 9.6 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: 5.341 ng

RT: 15.41 min Scan# 2062

Delta R.T. -0.33 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Tgt Ion:165 Resp: 20972

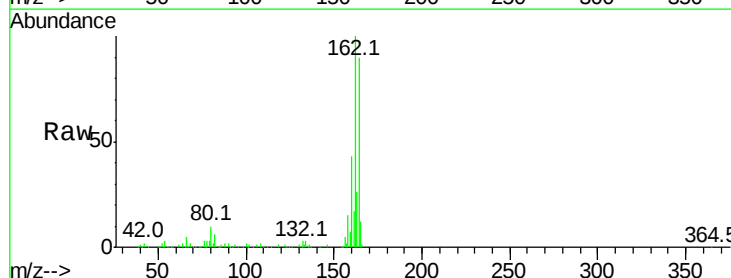
Ion Ratio Lower Upper

165 100

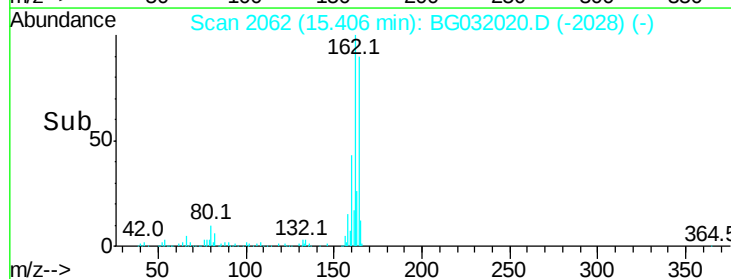
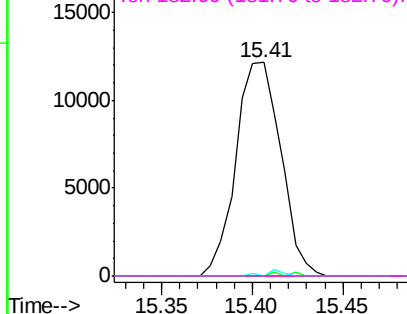
63 0.0 42.0 63.0#

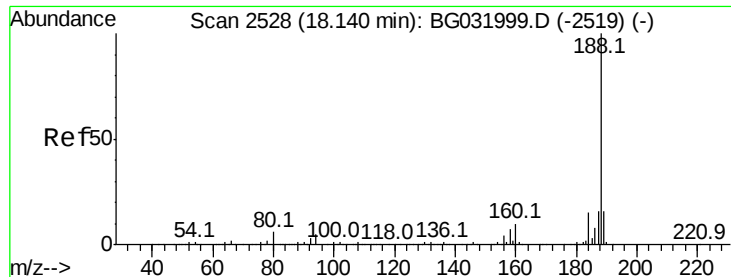
89 0.0 66.9 100.3#

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

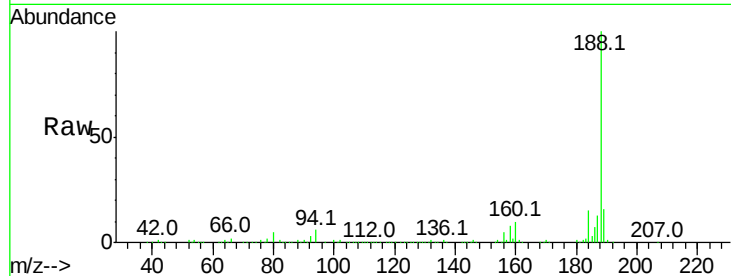




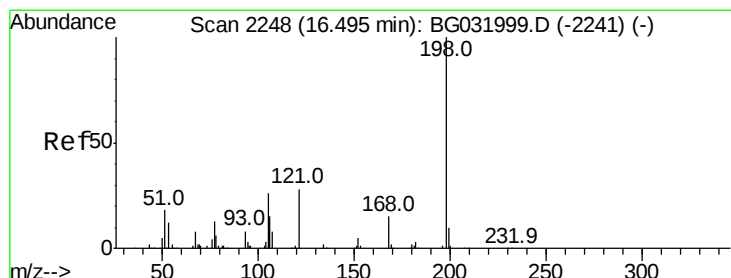
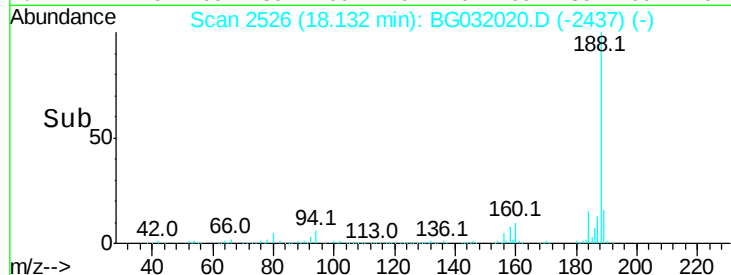
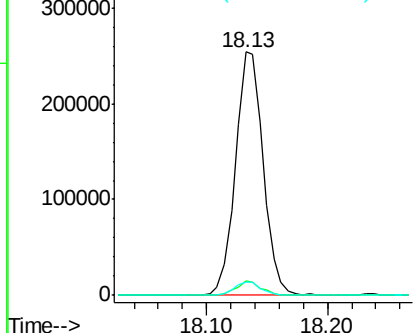
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032020.D
Acq: 13 Jan 2018 2:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 406456
Ion Ratio Lower Upper
188 100
94 5.8 6.9 10.3#
80 5.5 7.7 11.5#

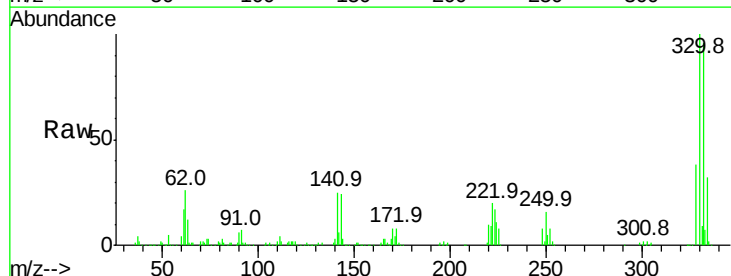


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

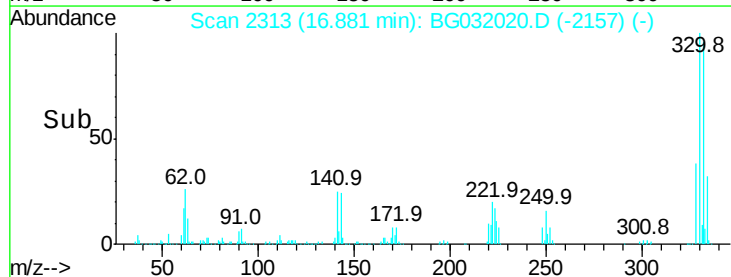
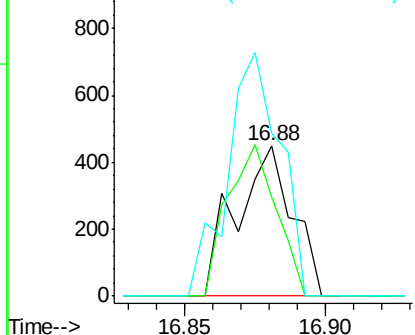


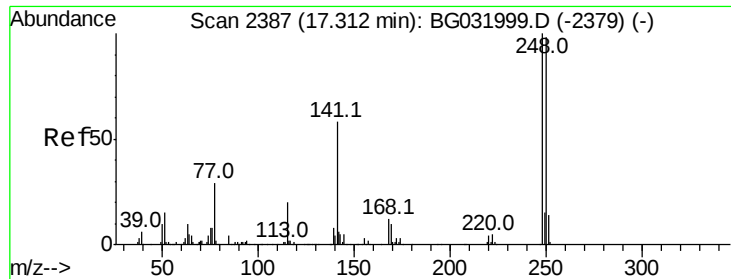
#64
4,6-Dinitro-2-methylphenol
Concen: 5.098 ng
RT: 16.88 min Scan# 2313
Delta R.T. 0.39 min
Lab File: BG032020.D
Acq: 13 Jan 2018 2:18

Tgt Ion:198 Resp: 619
Ion Ratio Lower Upper
198 100
51 65.3 30.6 70.6
105 108.2 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

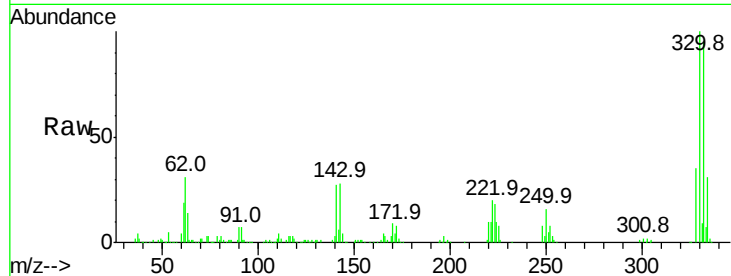




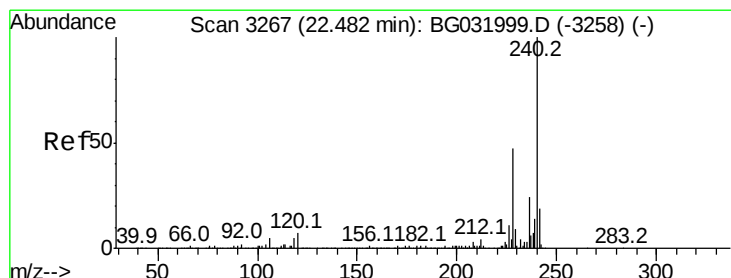
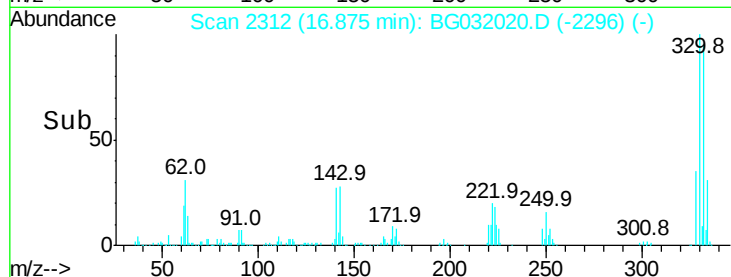
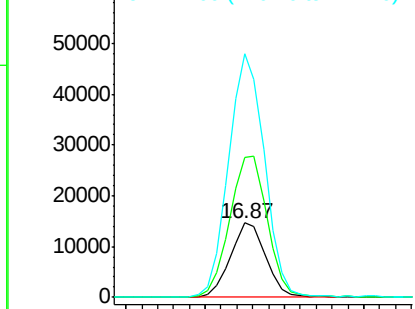
#66
4-Bromophenyl-phenylether
Concen: 3.911 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032020.D
Acq: 13 Jan 2018 2:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22617
Ion Ratio Lower Upper
248 100
250 189.6 77.1 115.7#
141 328.7 50.8 76.2#

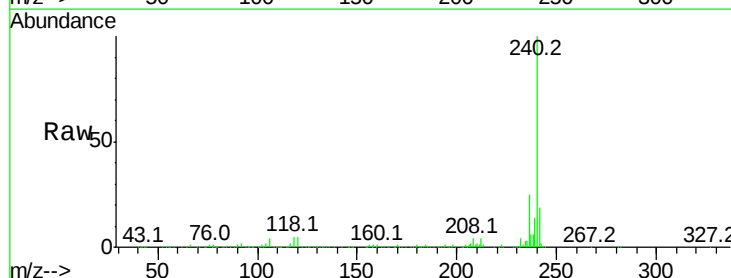


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

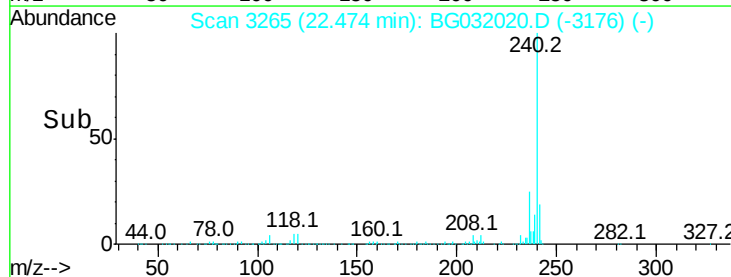
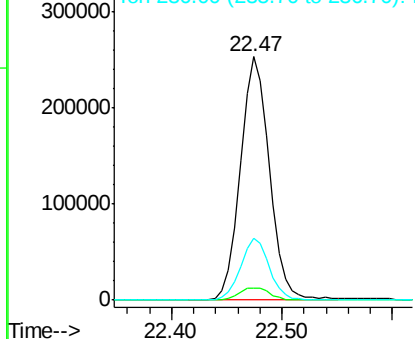


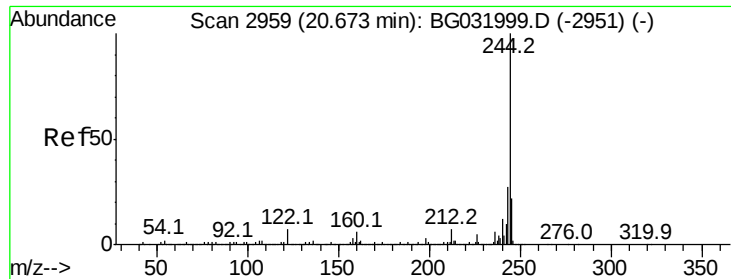
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3265
Delta R.T. -0.01 min
Lab File: BG032020.D
Acq: 13 Jan 2018 2:18

Tgt Ion:240 Resp: 467935
Ion Ratio Lower Upper
240 100
120 5.1 6.8 10.2#
236 25.3 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: 72.018 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.00 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

Instrument :

BNA_G

ClientSampled :

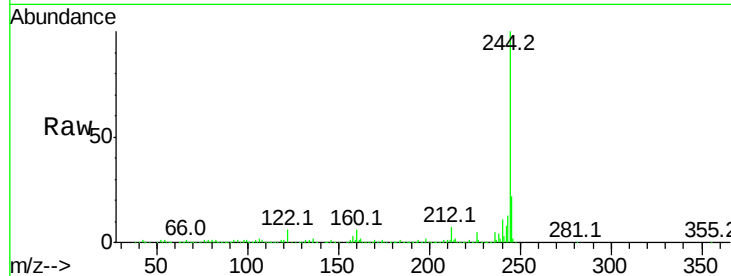
Tot Ion:244 Resp: 1526217

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	6.2	7.0	10.4

244 100

212 7.4 5.8 8.8

122 6.2 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

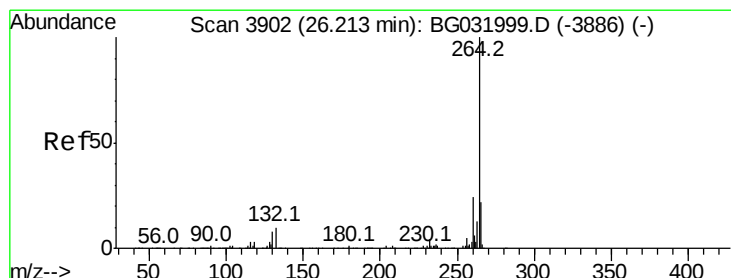
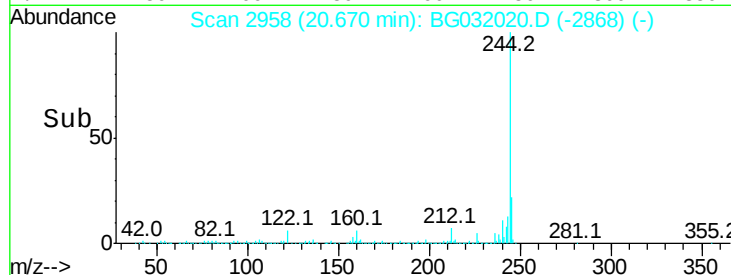
20.67

1000000

500000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.20 min Scan# 3899

Delta R.T. -0.01 min

Lab File: BG032020.D

Acq: 13 Jan 2018 2:18

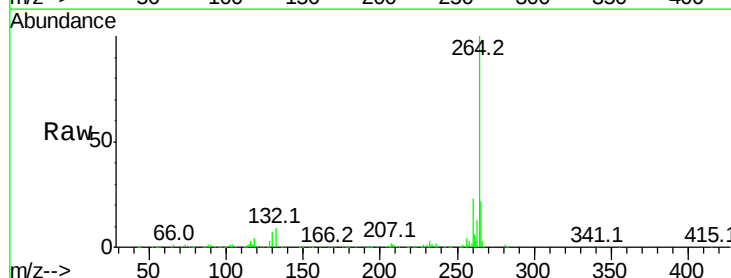
Tgt Ion:264 Resp: 497154

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.8	17.7	26.5

264 100

260 22.5 17.4 26.0

265 21.8 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

26.20

200000

150000

100000

50000

0

Time-->

