

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045064.D
 Acq On : 18 Apr 2020 13:05
 Operator : CG/JU
 Sample : L2249-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Quant Time: Apr 20 00:16:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	52844	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	223306	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	173244	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	446678	20.00	ng	0.00
76) Chrysene-d12	21.66	240	458693	20.00	ng	0.00
87) Perylene-d12	24.85	264	497414	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	188438	58.87	ng	0.00
7) Phenol-d6	7.18	99	181870	38.24	ng	0.00
23) Nitrobenzene-d5	9.18	82	409576	83.69	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	391264	146.19	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	989790	83.77	ng	0.00
79) Terphenyl-d14	20.01	244	2116958	100.59	ng	0.00

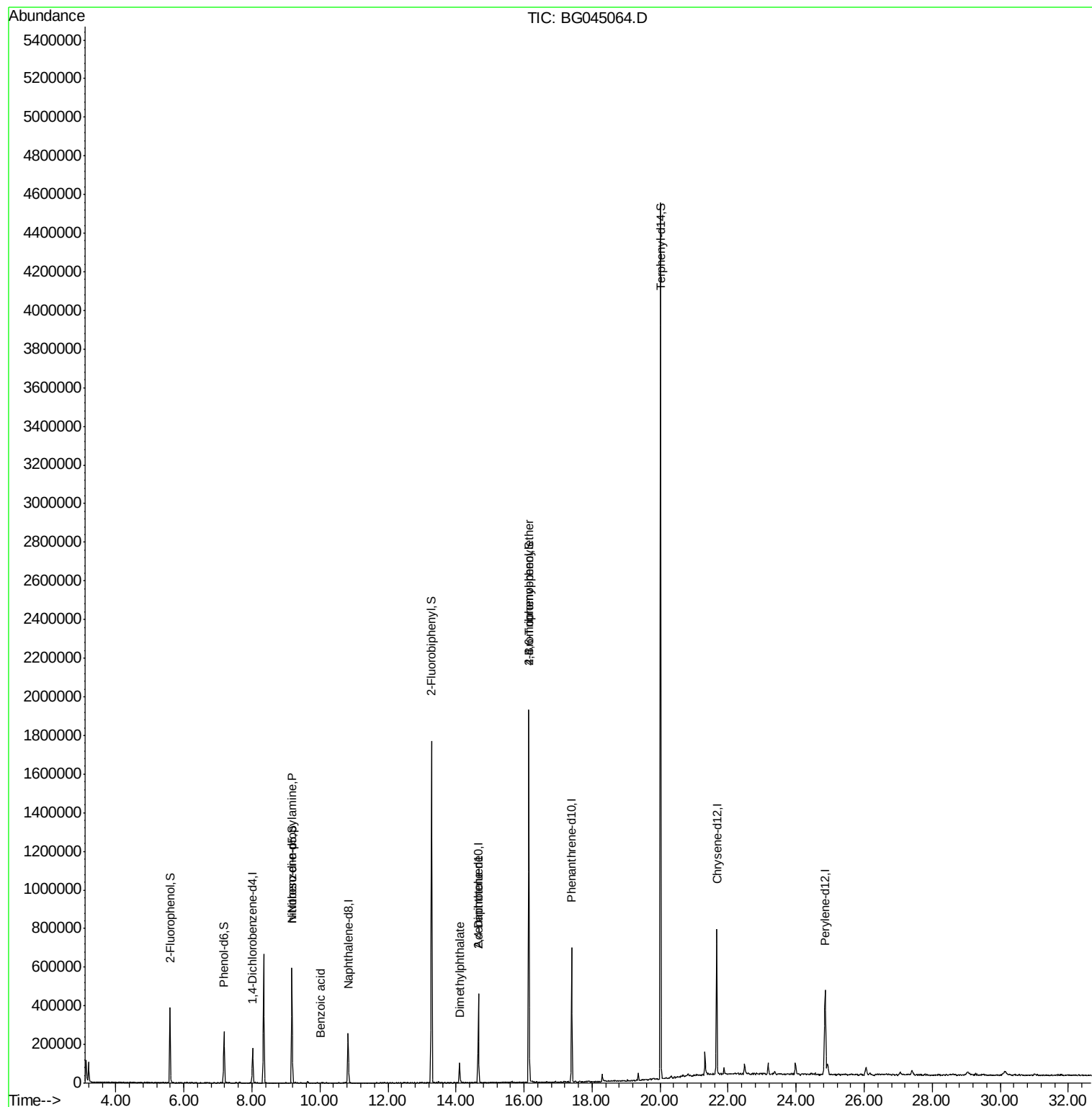
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	185	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	55682	16.556 ng	#	83
32) Benzoic acid	10.02	122	54	6.391 ng	#	1
50) Dimethylphthalate	14.10	163	72803	5.161 ng	#	96
57) 2,4-Dinitrotoluene	14.66	165	22108	4.795 ng	#	22
67) 4-Bromophenyl-phenylether	16.14	248	27373	4.750 ng	#	1
69) Atrazine	16.85	200	64	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	786	Below Cal	#	39
75) Fluoranthene	19.46	202	265	Below Cal	#	62
77) Benzidine	20.01	184	40775	Below Cal	#	92

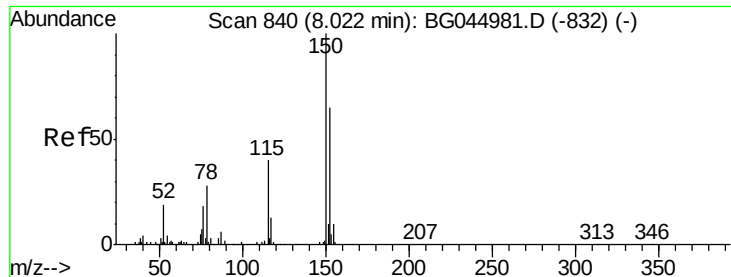
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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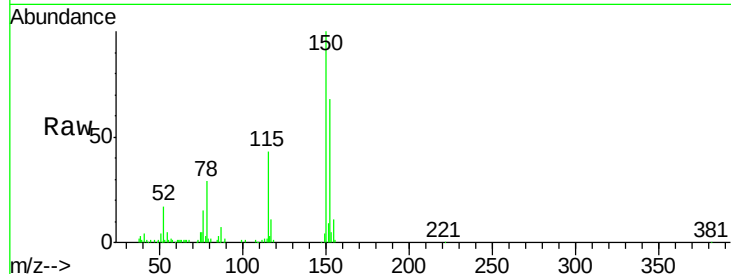


#1

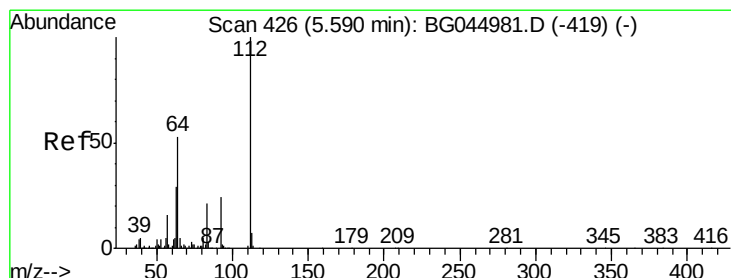
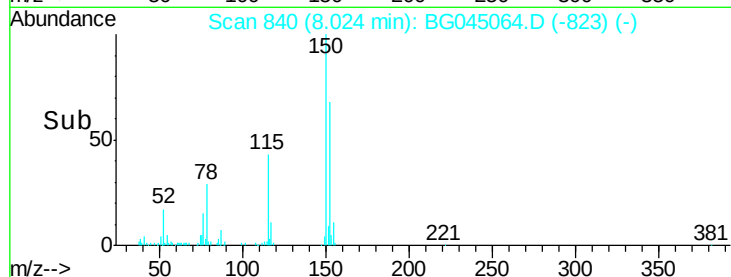
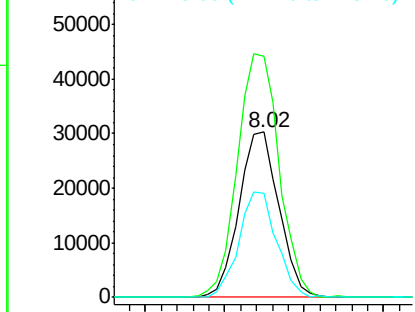
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045064.D
 Acq: 18 Apr 2020 13:05

Instrument :
 BNA_G
 ClientSampled :
 WC-6

Tot Ion:152 Resp: 52844
 Ion Ratio Lower Upper
 152 100
 150 146.2 123.6 185.4
 115 62.9 49.1 73.7



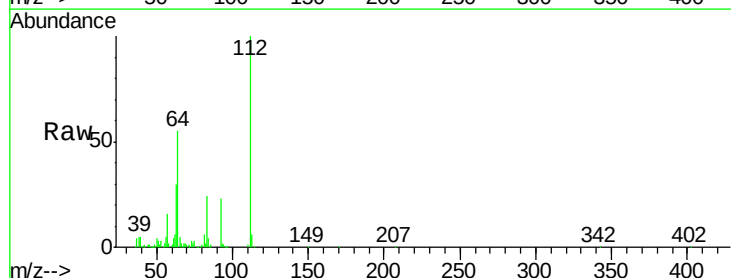
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



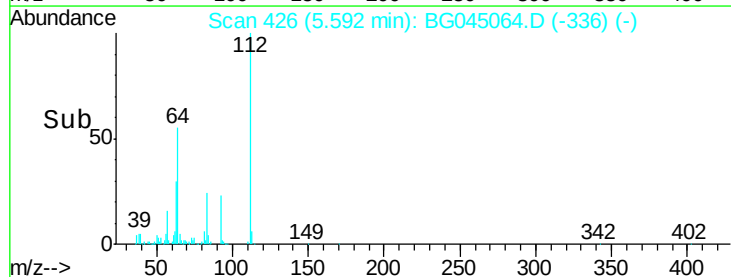
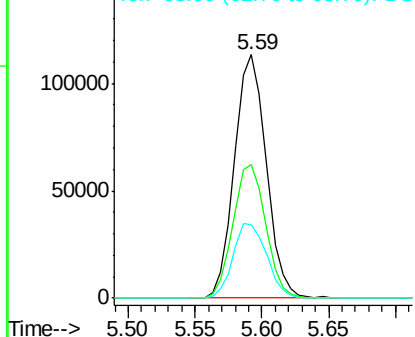
#5

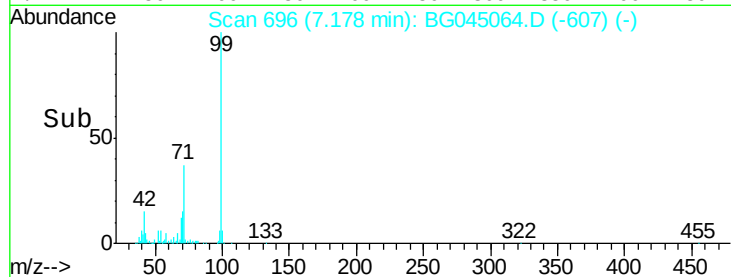
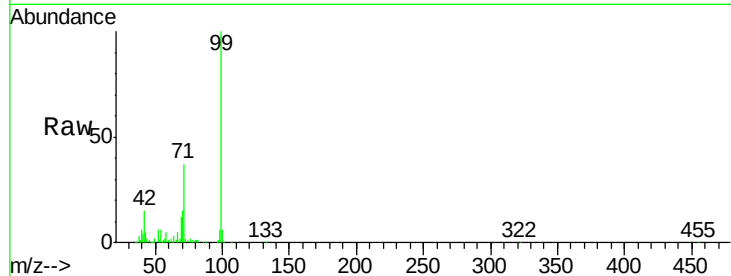
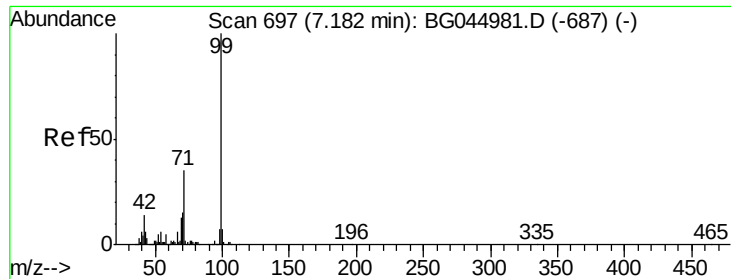
2-Fluorophenol
 Concen: 58.872 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045064.D
 Acq: 18 Apr 2020 13:05

Tgt Ion:112 Resp: 188438
 Ion Ratio Lower Upper
 112 100
 64 54.9 42.4 63.6
 63 30.1 23.1 34.7



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





#7

Phenol-d6

Concen: 38.243 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampled :

WC-6

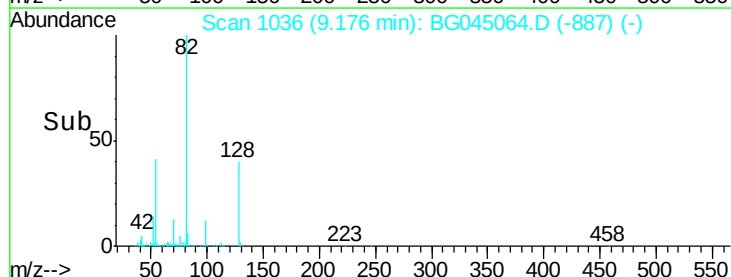
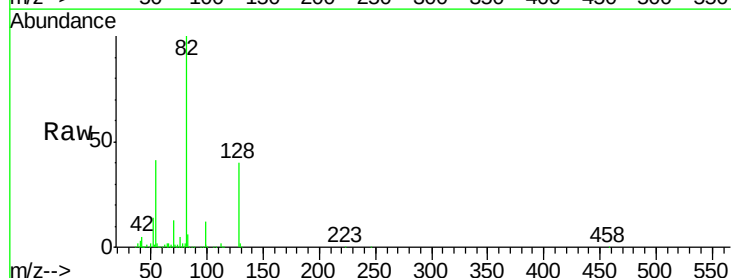
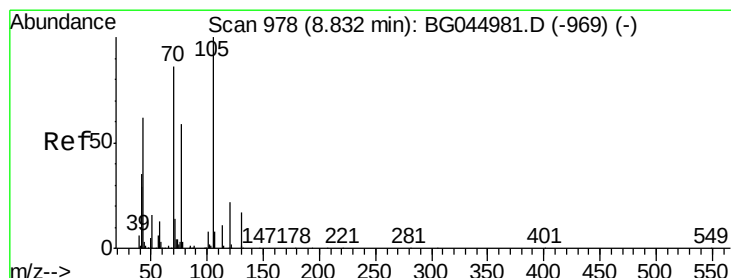
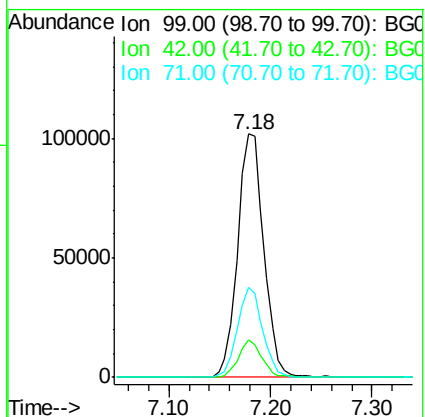
Tot Ion: 99 Resp: 181870

Ion Ratio Lower Upper

99 100

42 15.3 11.3 16.9

71 37.2 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.556 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Tgt Ion: 70 Resp: 55682

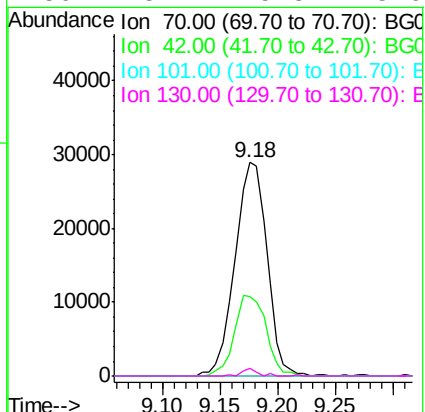
Ion Ratio Lower Upper

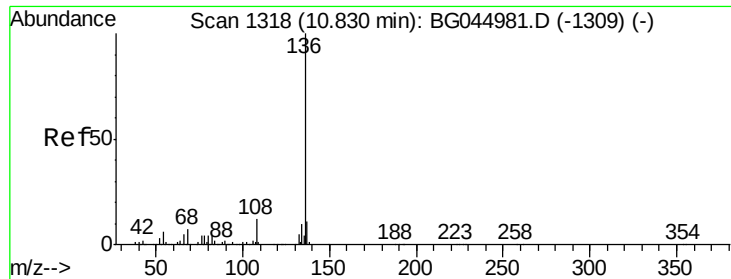
70 100

42 37.3 33.3 49.9

101 0.0 7.8 11.8#

130 3.7 15.8 23.6#

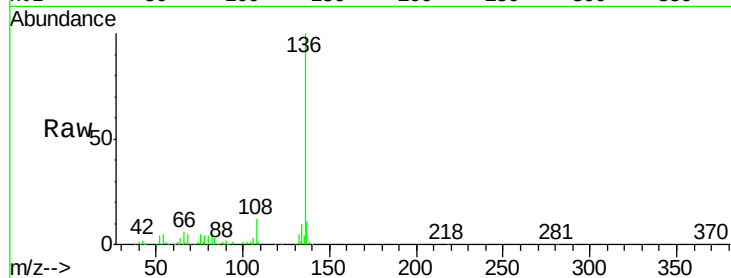




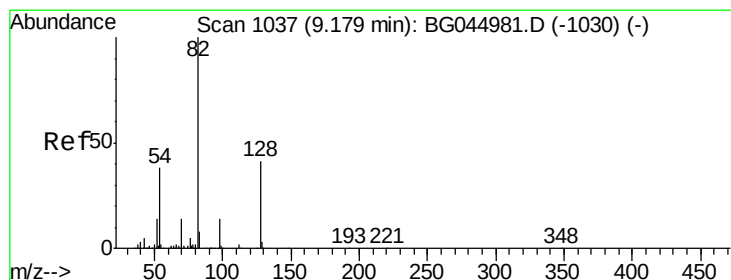
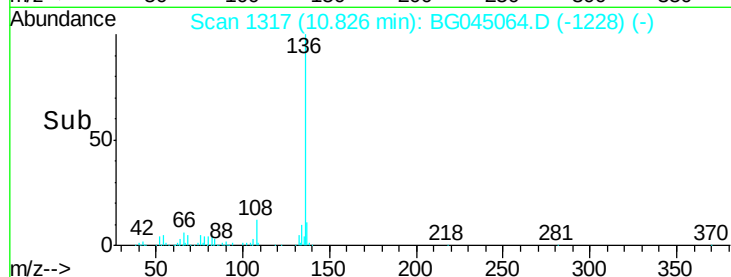
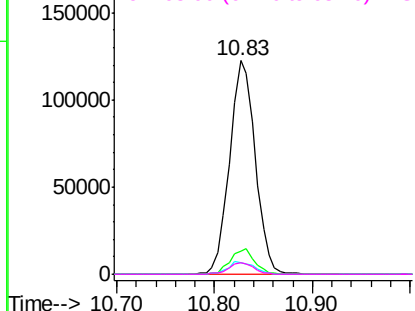
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045064.D
Acq: 18 Apr 2020 13:05

Instrument :
BNA_G
ClientSampleId :
WC-6

Tot Ion:136	Resp:	223306
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.6 13.0
54	5.4	4.8 7.2
68	5.4	5.2 7.8

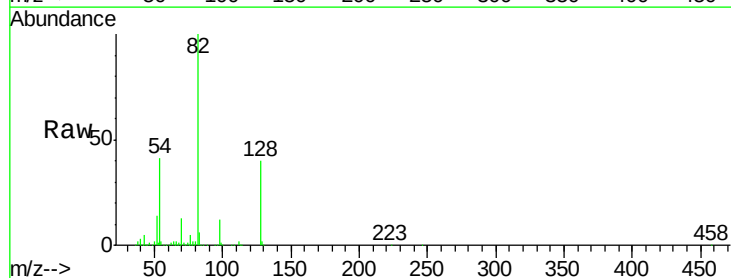


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

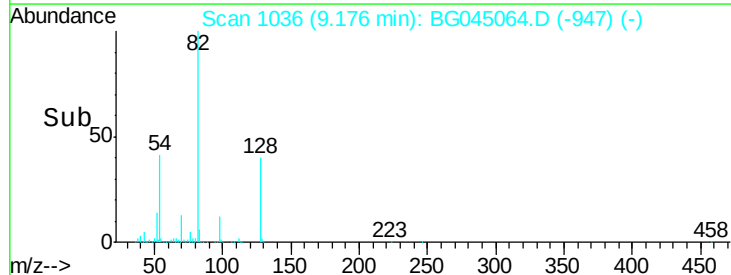
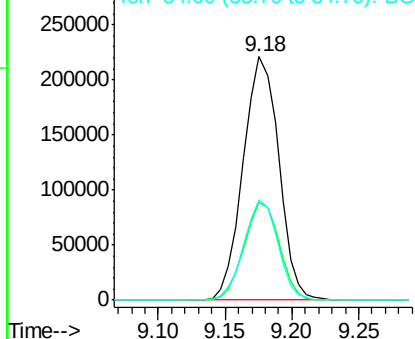


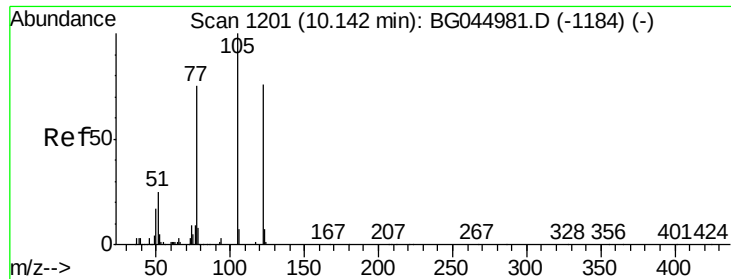
#23
Nitrobenzene-d5
Concen: 83.690 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045064.D
Acq: 18 Apr 2020 13:05

Tgt Ion: 82	Resp:	409576
Ion	Ratio	Lower Upper
82	100	
128	40.1	33.0 49.4
54	41.2	30.4 45.6



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: 6.391 ng

RT: 10.02 min Scan# 1180

Delta R.T. -0.13 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampleId :

WC-6

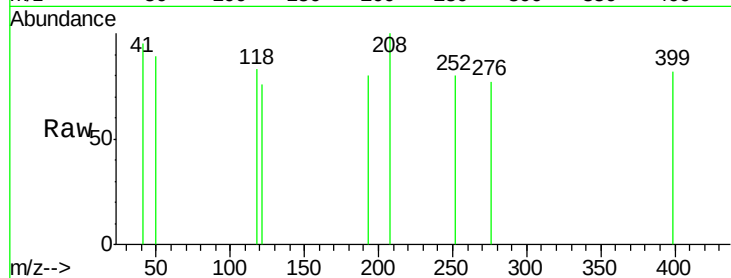
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#



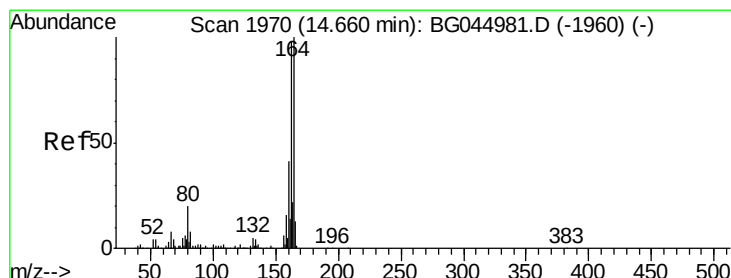
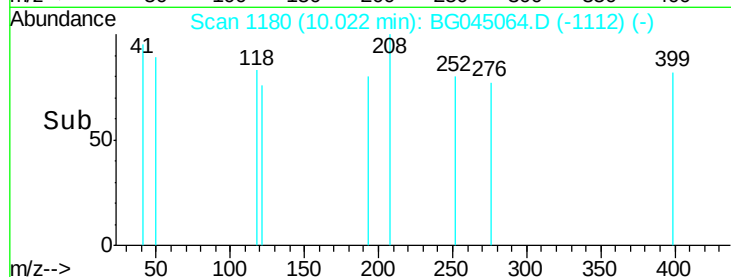
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.02

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

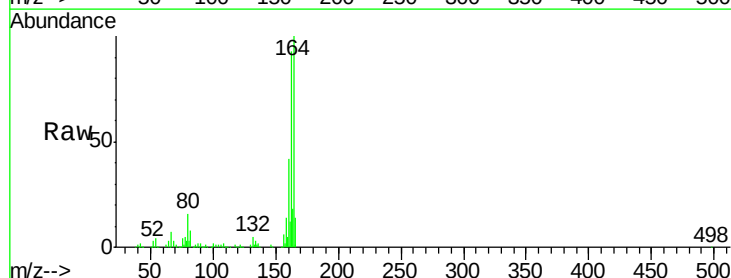
Tgt Ion:164 Resp: 173244

Ion Ratio Lower Upper

164 100

162 92.5 78.7 118.1

160 41.7 32.8 49.2



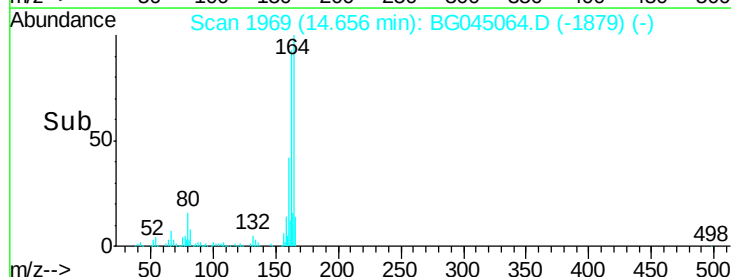
Abundance Ion 164.00 (163.70 to 164.70): E

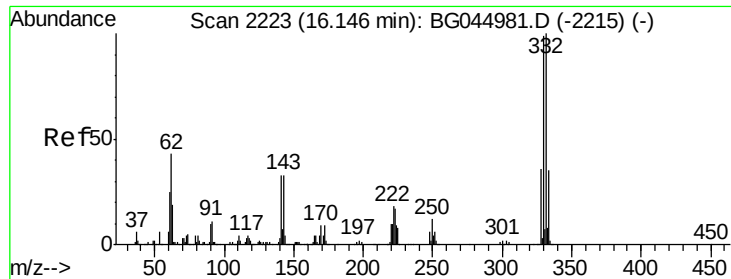
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.66

Time-->

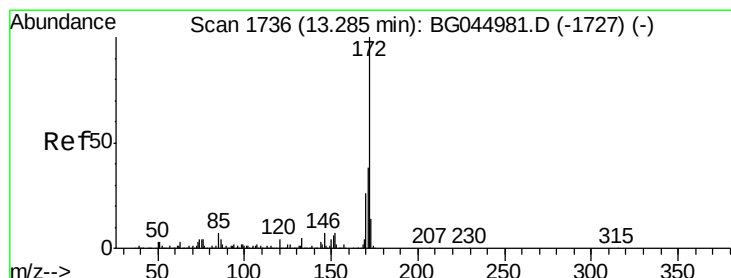
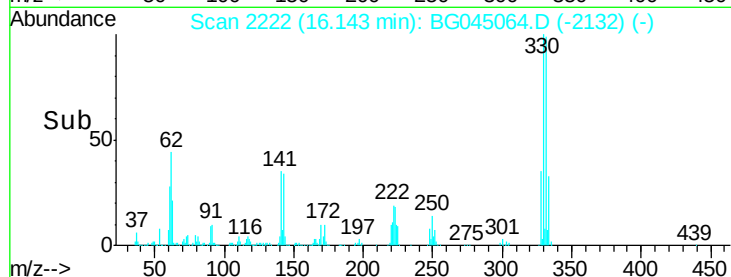
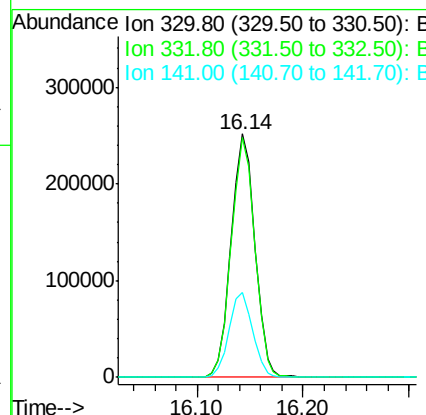
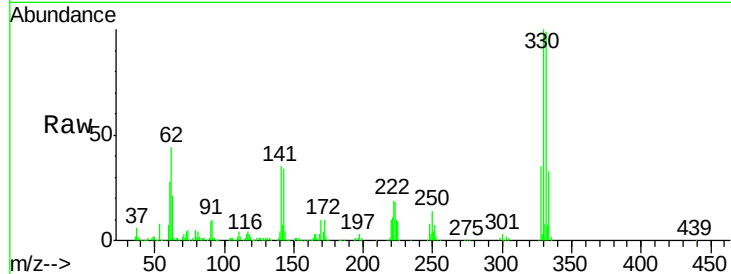




#42
2,4,6-Tribromophenol
Concen: 146.191 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045064.D
Acq: 18 Apr 2020 13:05

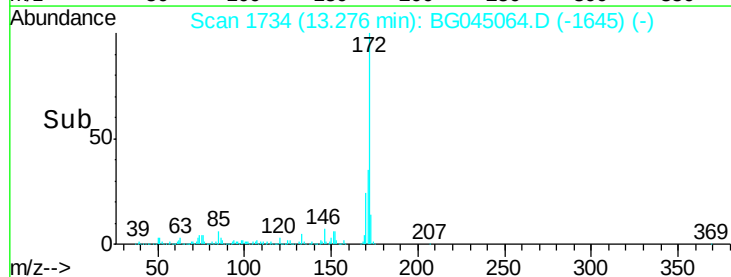
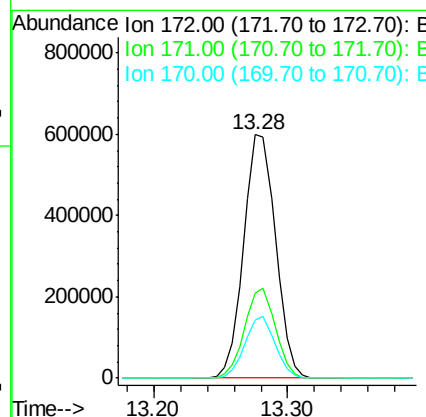
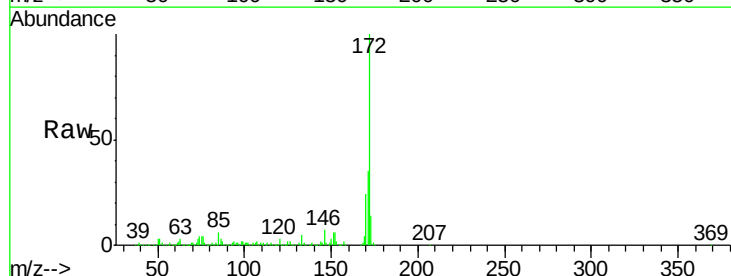
Instrument :
BNA_G
ClientSampleId :
WC-6

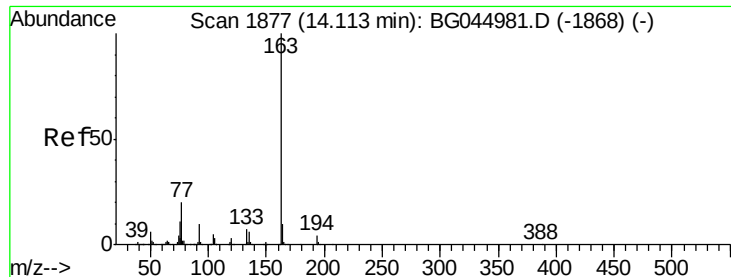
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	34.7	27.1	40.7



#45
2-Fluorobiphenyl
Concen: 83.775 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG045064.D
Acq: 18 Apr 2020 13:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	46.0
170	23.9	20.5	30.7





#50

Dimethylphthalate

Concen: 5.161 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampleId :

WC-6

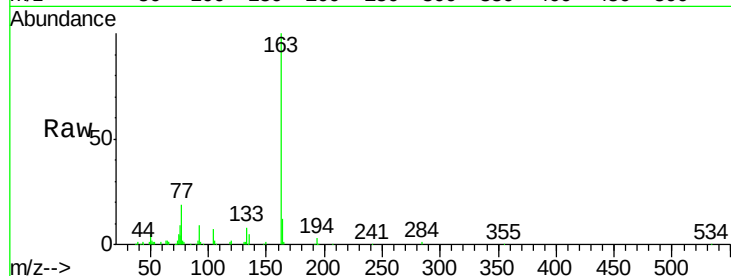
Tot Ion:163 Resp: 72803

Ion Ratio Lower Upper

163 100

194 3.4 3.5 5.3#

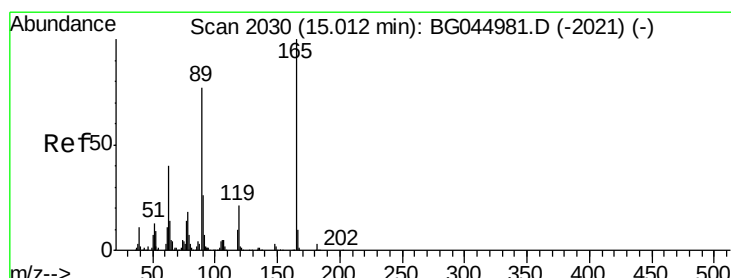
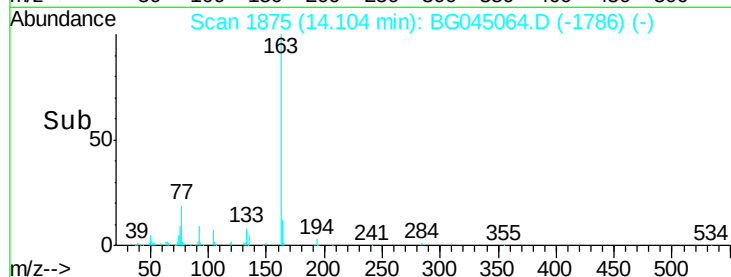
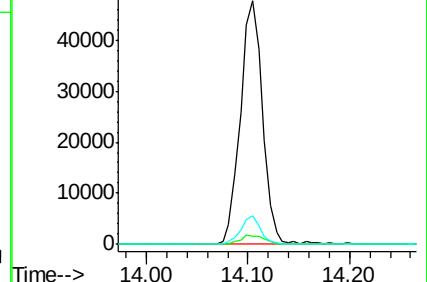
164 12.0 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 4.795 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Tgt Ion:165 Resp: 22108

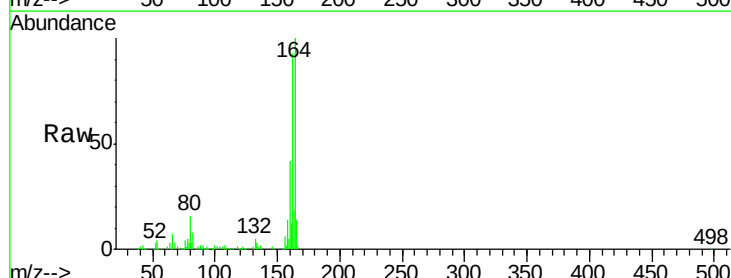
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.4 61.7 92.5#

182 0.0 2.0 3.0#

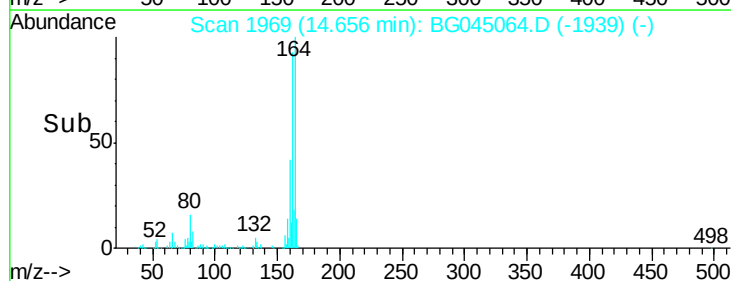
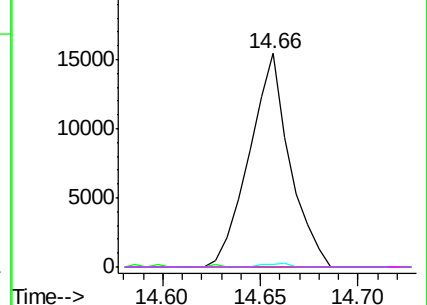


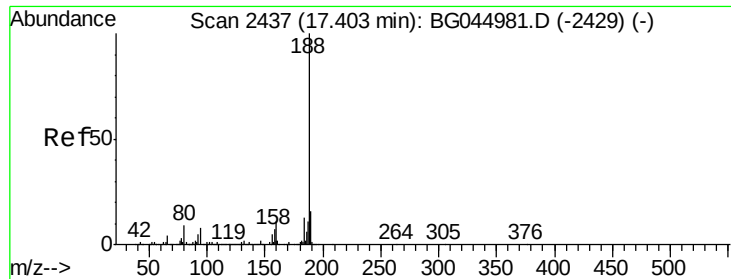
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampleId :

WC-6

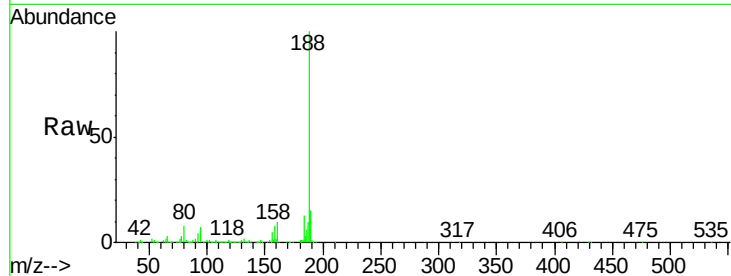
Tot Ion:188 Resp: 446678

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

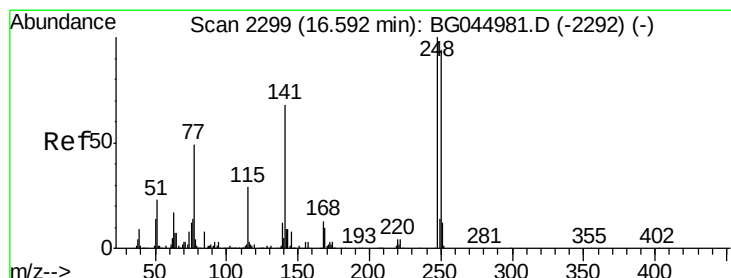
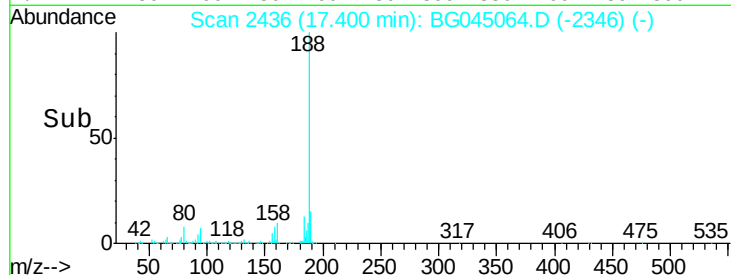
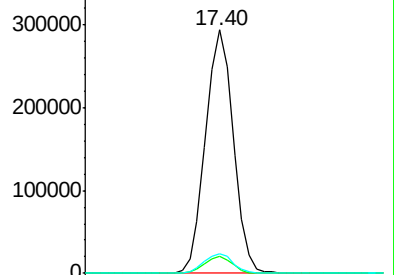
80 8.1 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.750 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

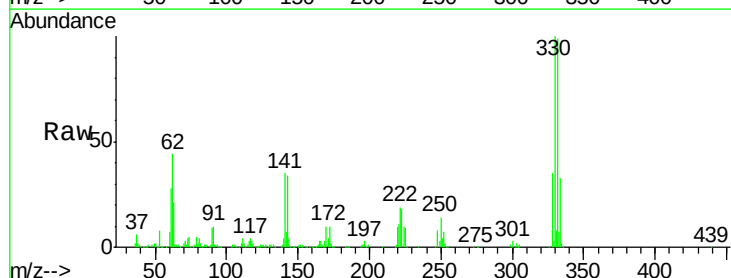
Tgt Ion:248 Resp: 27373

Ion Ratio Lower Upper

248 100

250 178.9 75.4 113.2#

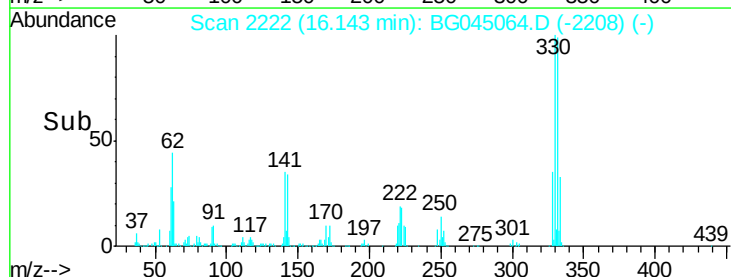
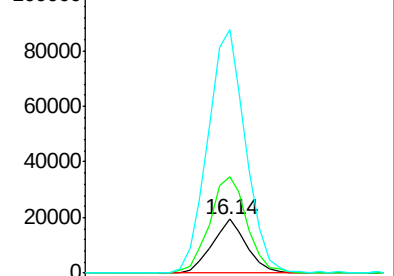
141 452.3 54.4 81.6#

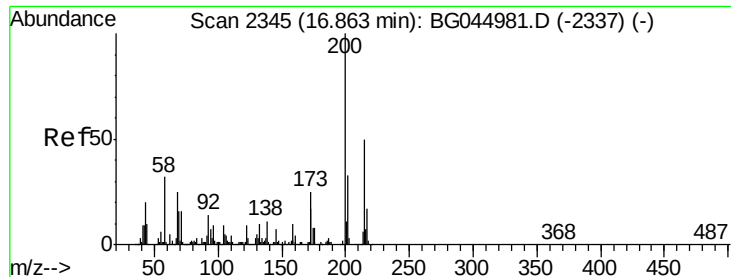


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampled :

WC-6

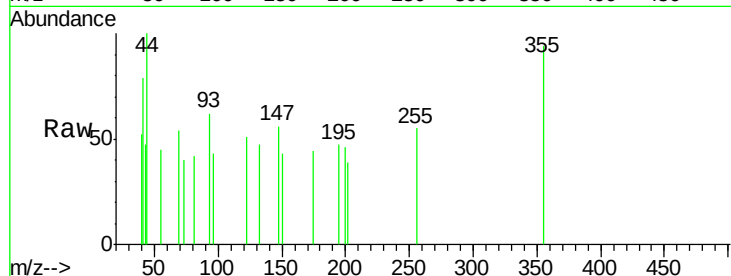
Tot Ion:200 Resp: 64

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

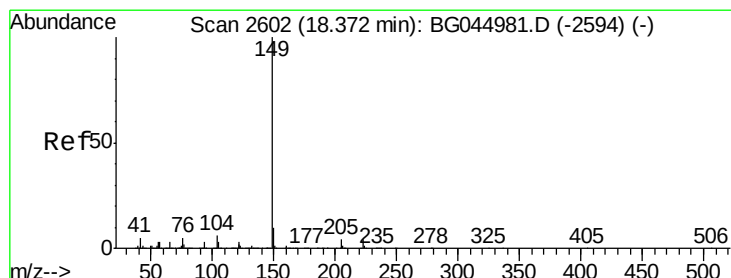
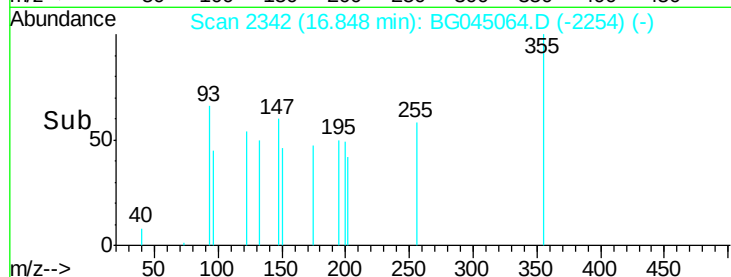
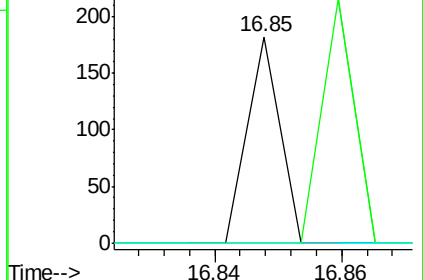
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

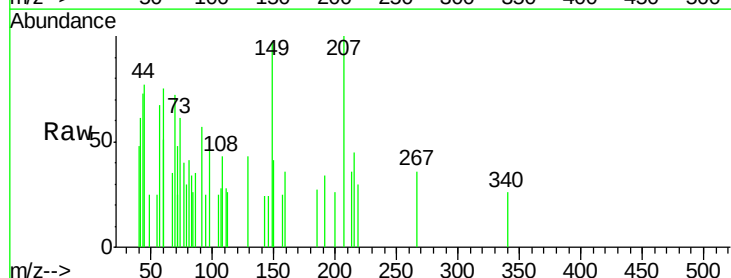
Tgt Ion:149 Resp: 786

Ion Ratio Lower Upper

149 100

150 42.3 8.2 12.2#

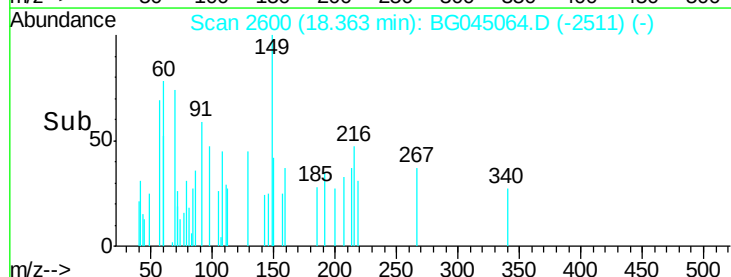
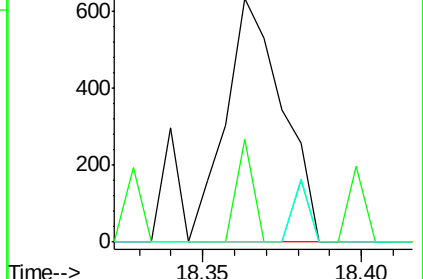
104 0.0 4.8 7.2#

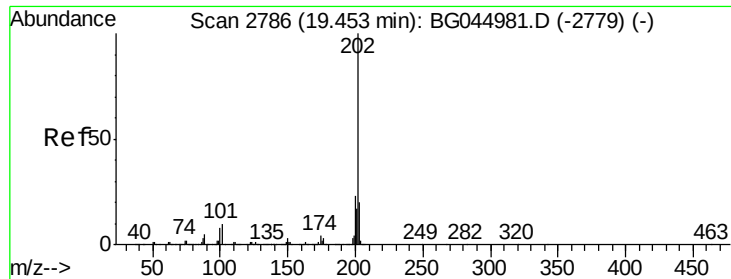


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

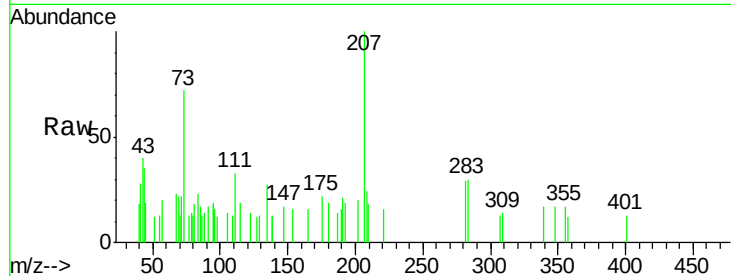
Instrument :

BNA_G

ClientSampleId :

WC-6

Tot Ion:	202	Resp:	265
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



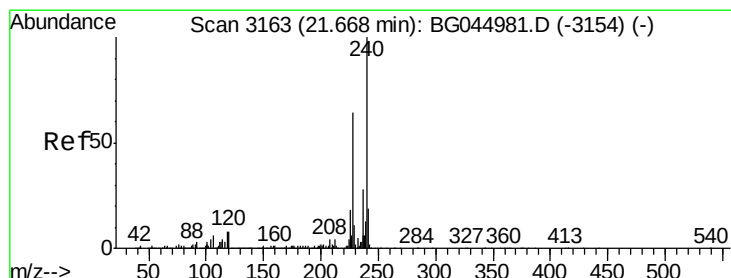
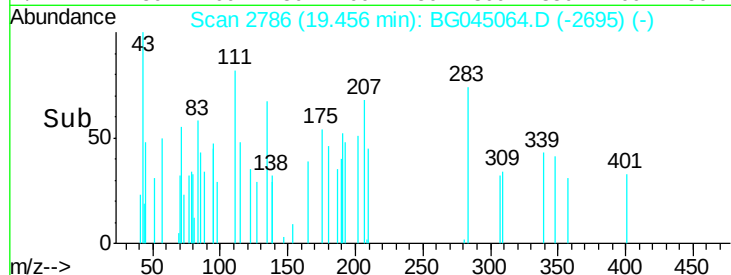
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.46

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

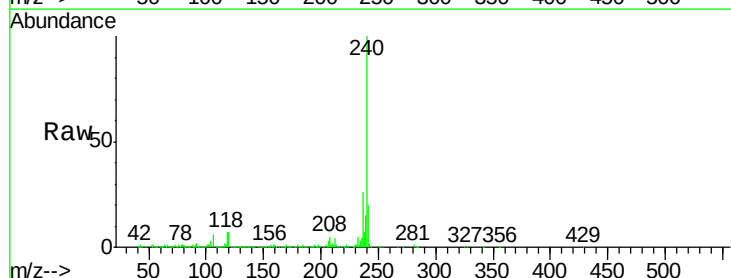
RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Tgt Ion:	240	Resp:	458693
Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	26.4	22.2	33.2



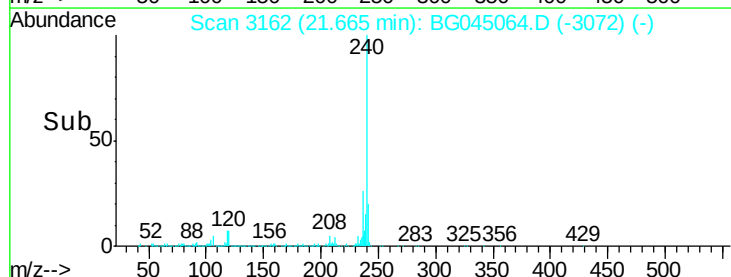
Abundance Ion 240.00 (239.70 to 240.70): E

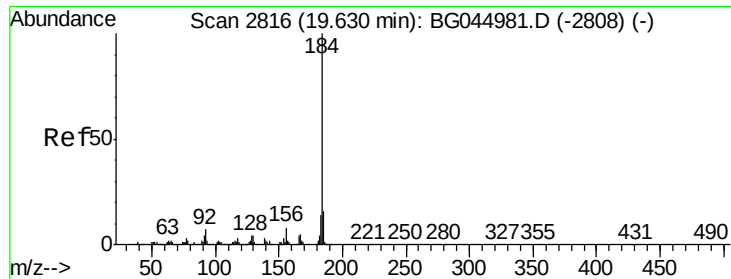
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.66

Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

Instrument :

BNA_G

ClientSampleId :

WC-6

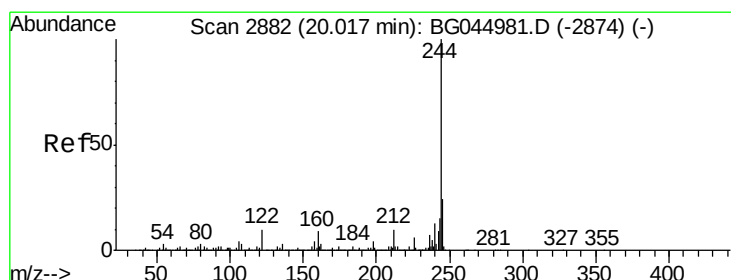
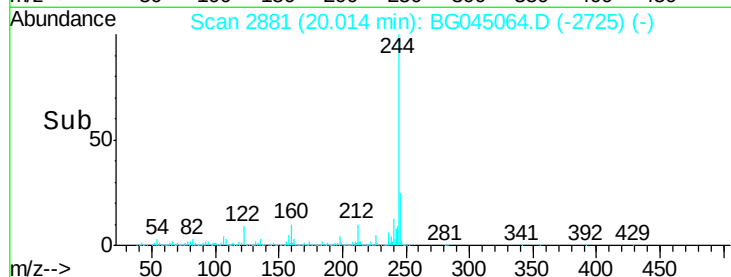
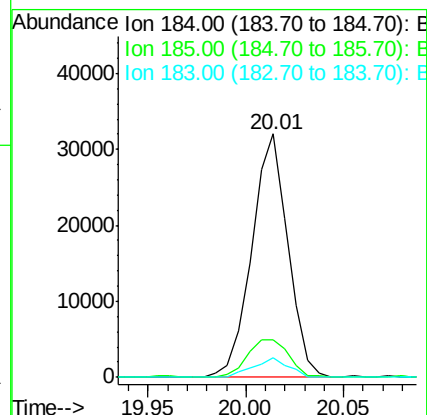
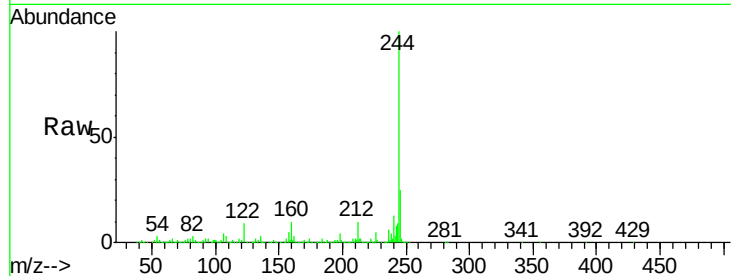
Tot Ion:184 Resp: 40775

Ion Ratio Lower Upper

184 100

185 15.5 12.6 19.0

183 7.9 11.3 16.9#



#79

Terphenyl-d14

Concen: 100.591 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045064.D

Acq: 18 Apr 2020 13:05

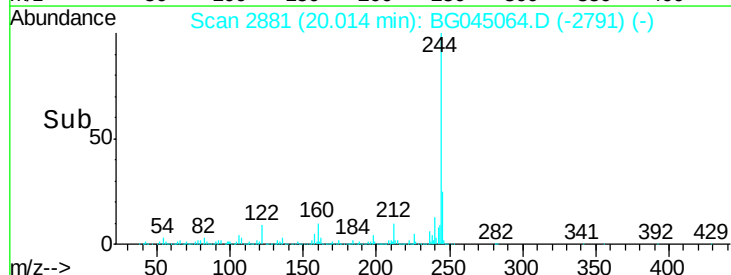
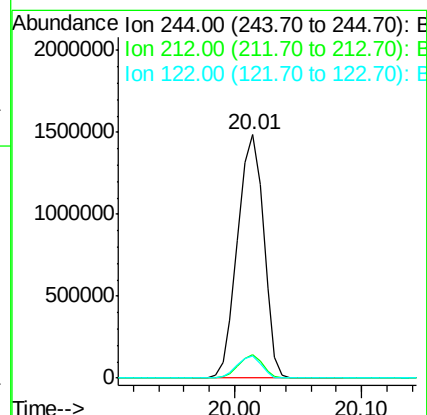
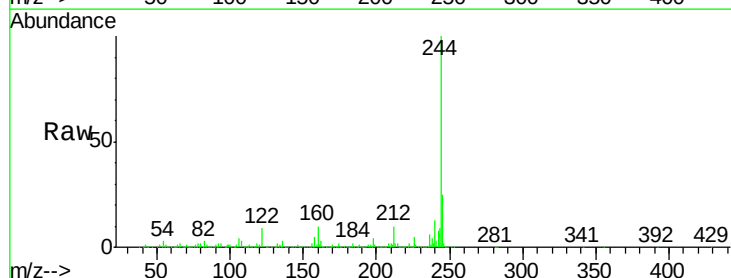
Tgt Ion:244 Resp: 2116958

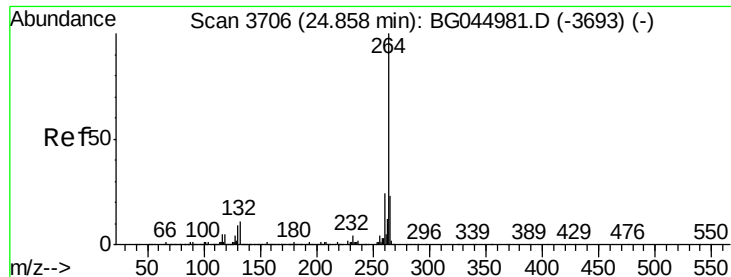
Ion Ratio Lower Upper

244 100

212 9.8 7.9 11.9

122 9.2 7.7 11.5

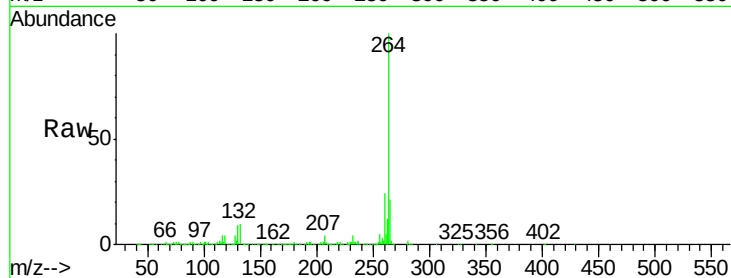




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG045064.D
Acq: 18 Apr 2020 13:05

Instrument :
BNA_G
ClientSampleId :
WC-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.7	19.0	28.4



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

