

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045062.D
 Acq On : 18 Apr 2020 11:46
 Operator : CG/JU
 Sample : L2249-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Quant Time: Apr 20 00:15:41 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	60239	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	245984	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	182352	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	462368	20.00	ng	0.00
76) Chrysene-d12	21.66	240	487958	20.00	ng	0.00
87) Perylene-d12	24.85	264	532721	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	246248	67.49	ng	0.00
7) Phenol-d6	7.18	99	237271	43.77	ng	0.00
23) Nitrobenzene-d5	9.18	82	461347	85.58	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	422048	149.82	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1118577	89.95	ng	0.00
79) Terphenyl-d14	20.01	244	2260279	100.96	ng	0.00

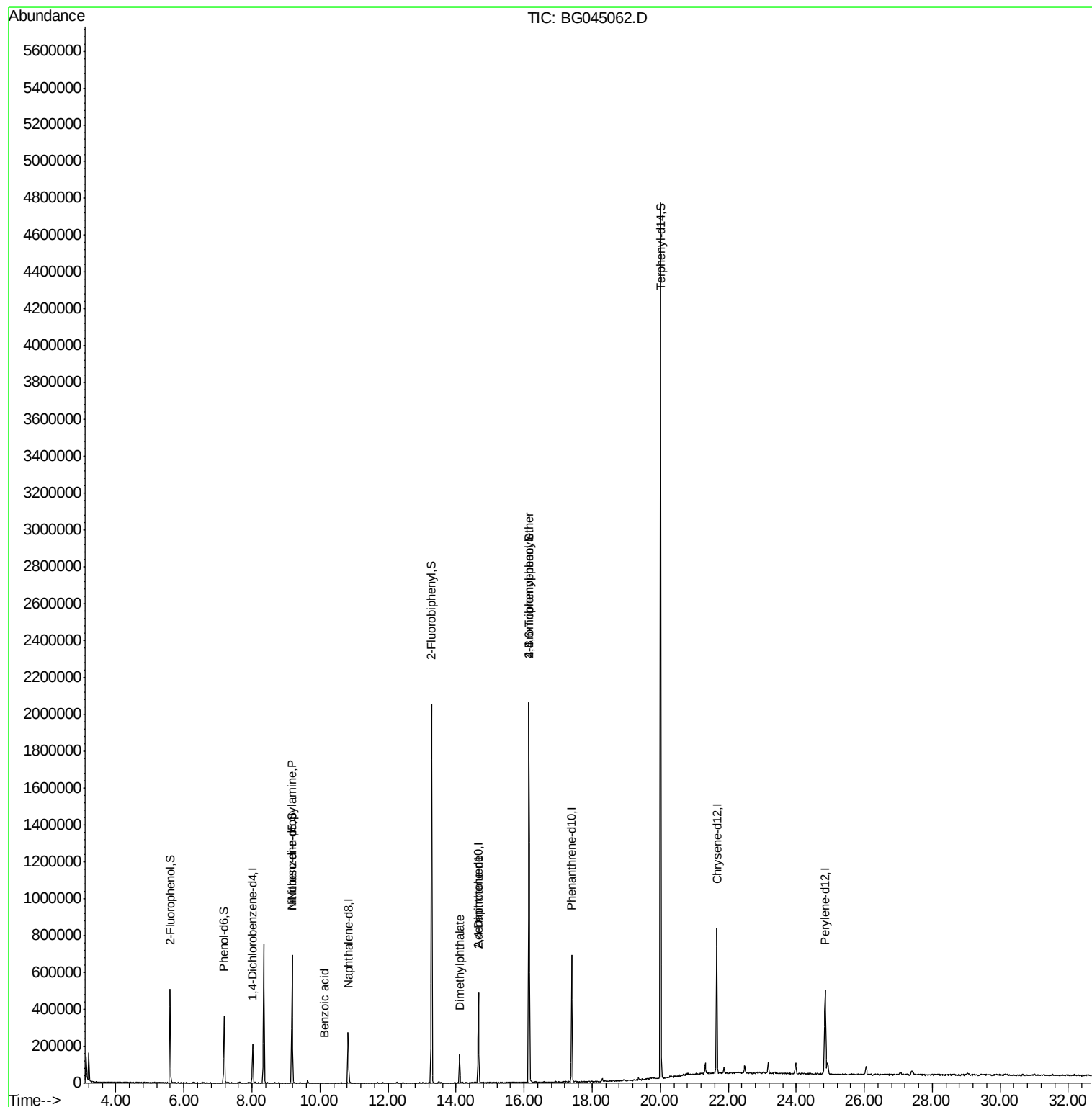
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	62	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	62701	16.355	ng	83
32) Benzoic acid	10.12	122	62	6.391	ng	1
50) Dimethylphthalate	14.10	163	103825	6.993	ng	98
57) 2,4-Dinitrotoluene	14.66	165	23416	4.825	ng	23
67) 4-Bromophenyl-phenylether	16.14	248	28465	4.772	ng	1
69) Atrazine	16.69	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1133	Below Cal	#	76
75) Fluoranthene	19.52	202	69	Below Cal	#	62
77) Benzidine	20.01	184	46428	Below Cal	#	92

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

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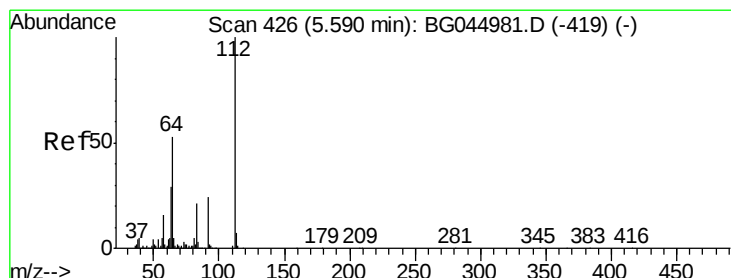
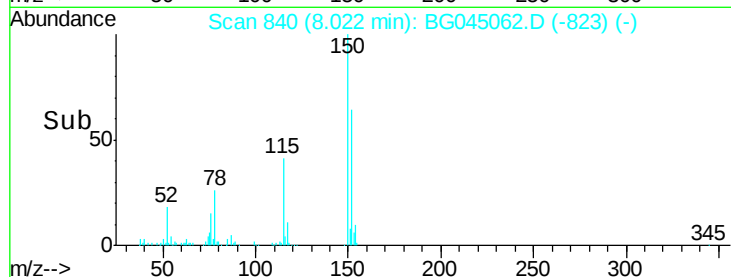
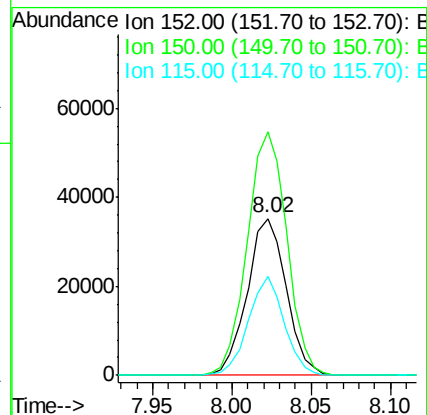
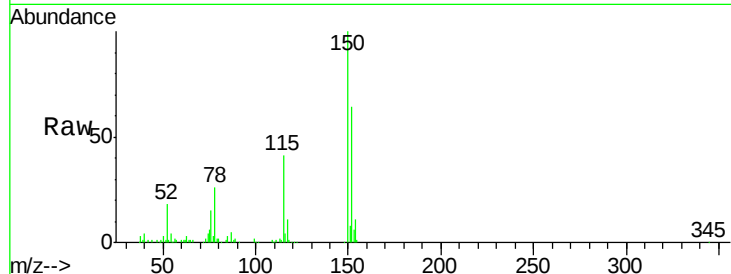


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Instrument :
BNA_G
ClientSampleId :
WC-2

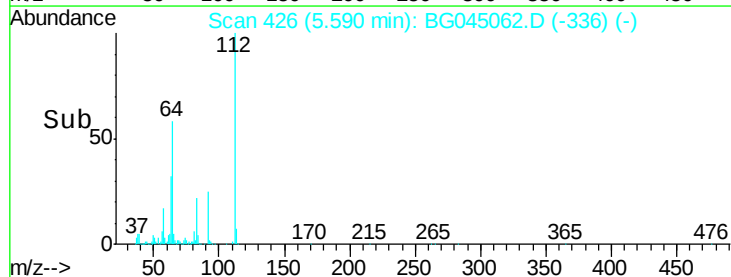
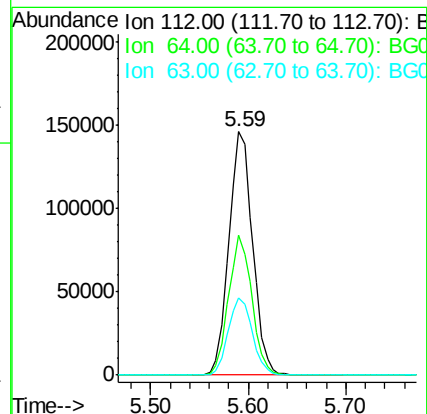
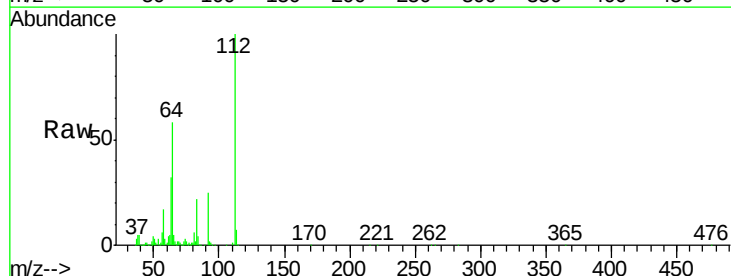
Tot Ion:152 Resp: 60239
Ion Ratio Lower Upper
152 100
150 155.5 123.6 185.4
115 63.5 49.1 73.7

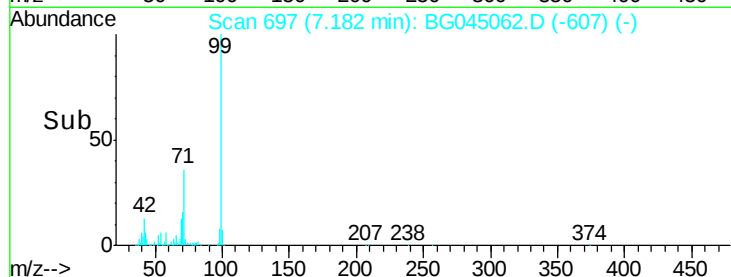
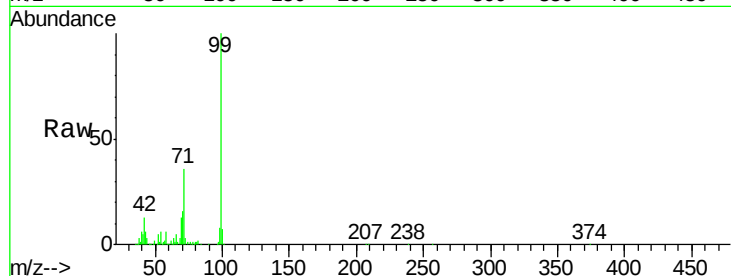


#5

2-Fluorophenol
Concen: 67.488 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Tgt Ion:112 Resp: 246248
Ion Ratio Lower Upper
112 100
64 57.6 42.4 63.6
63 31.7 23.1 34.7





#7

Phenol-d6

Concen: 43.768 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

Instrument :

BNA_G

ClientSampleId :

WC-2

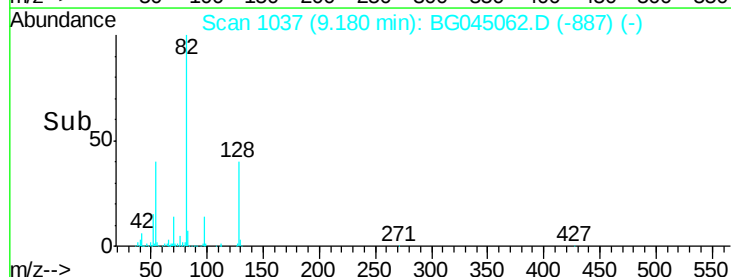
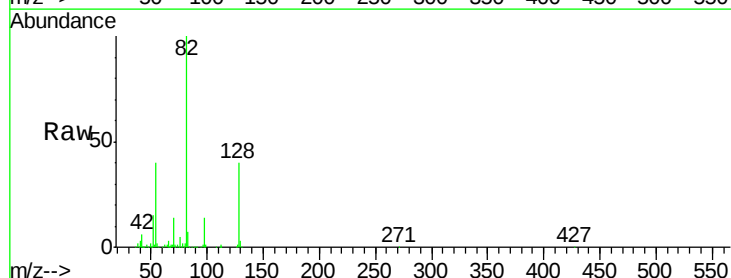
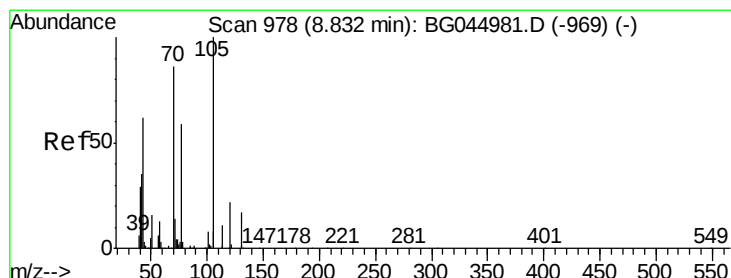
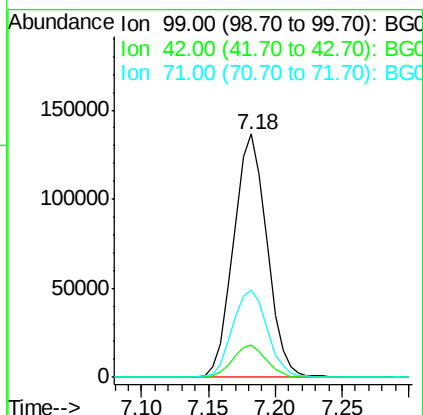
Tot Ion: 99 Resp: 237271

Ion Ratio Lower Upper

99 100

42 13.2 11.3 16.9

71 36.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.355 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

Tgt Ion: 70 Resp: 62701

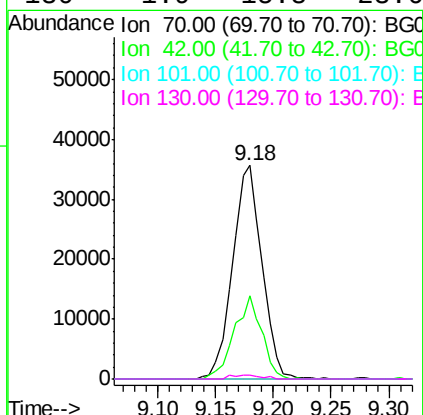
Ion Ratio Lower Upper

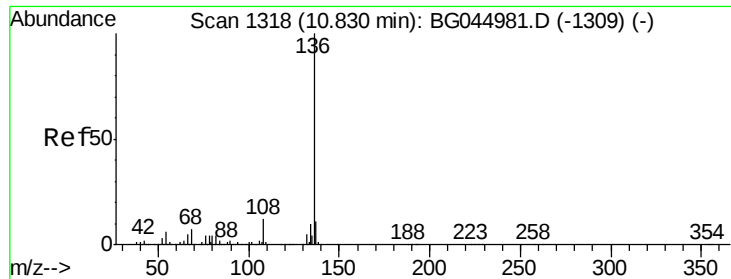
70 100

42 39.1 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

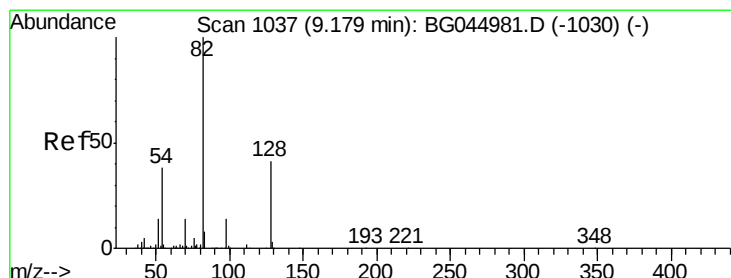
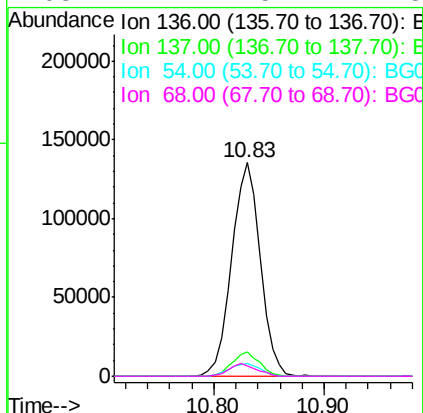
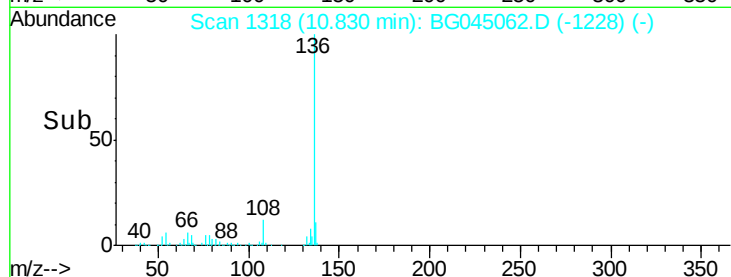
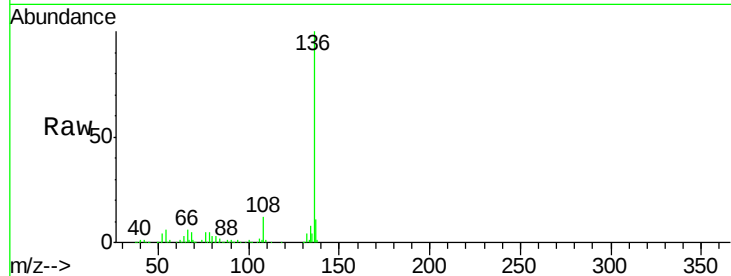




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

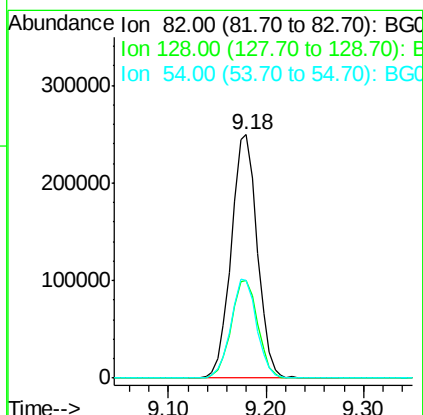
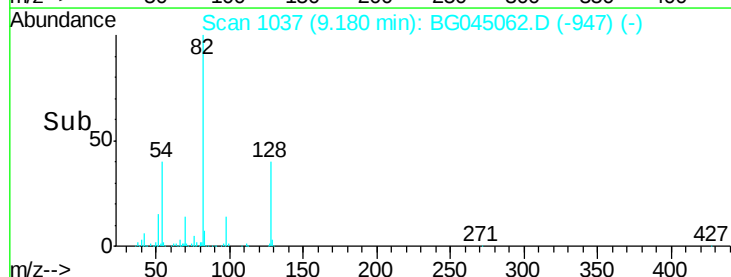
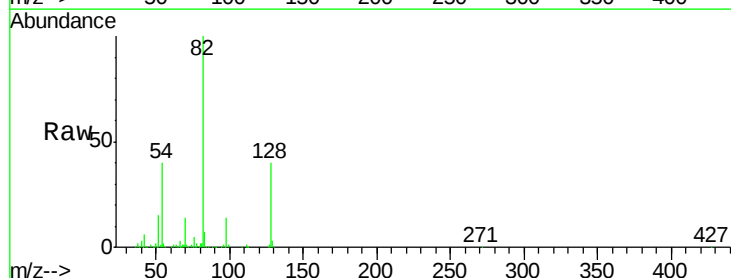
Instrument :
BNA_G
ClientSampleId :
WC-2

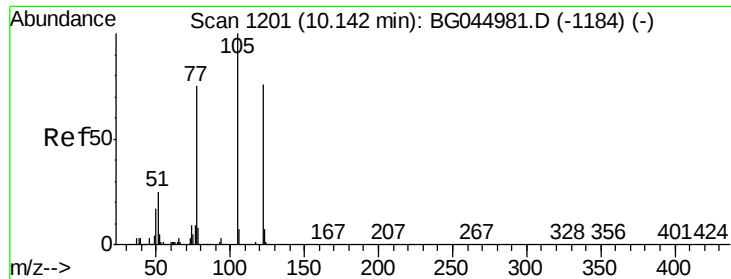
Tot Ion:136	Resp: 245984
Ion Ratio	Lower Upper
136 100	
137 11.3	8.6 13.0
54 5.8	4.8 7.2
68 4.7	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 85.578 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Tgt Ion: 82	Resp: 461347
Ion Ratio	Lower Upper
82 100	
128 40.1	33.0 49.4
54 40.2	30.4 45.6

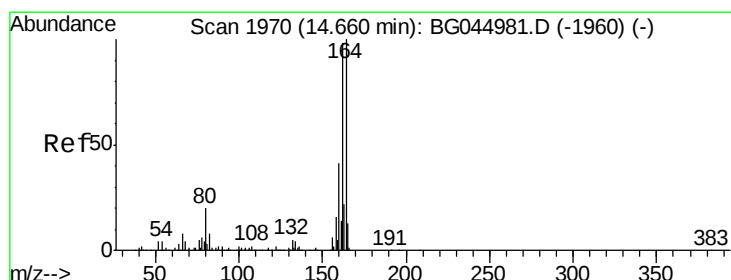
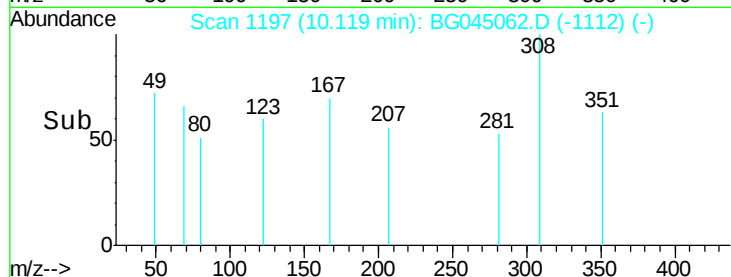
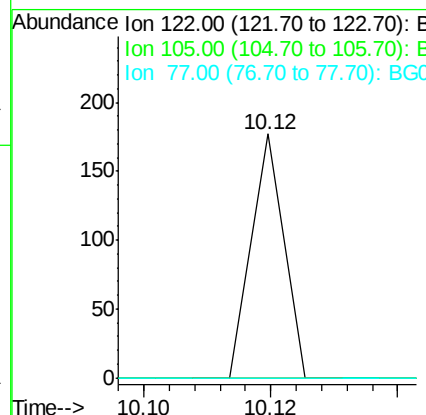
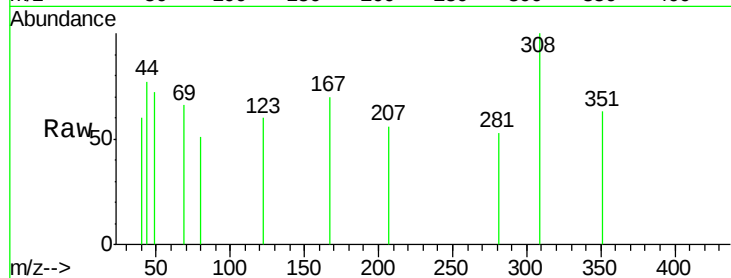




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

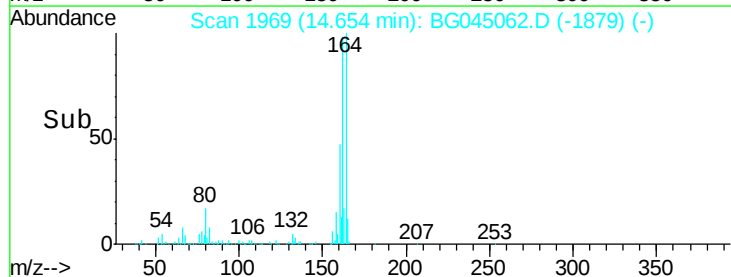
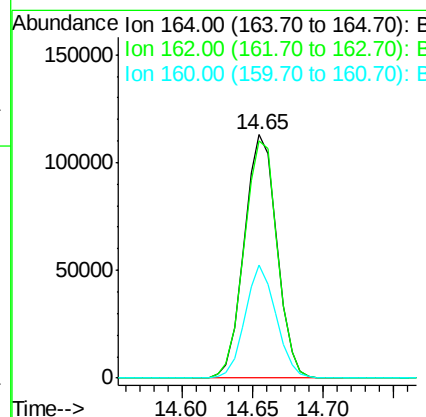
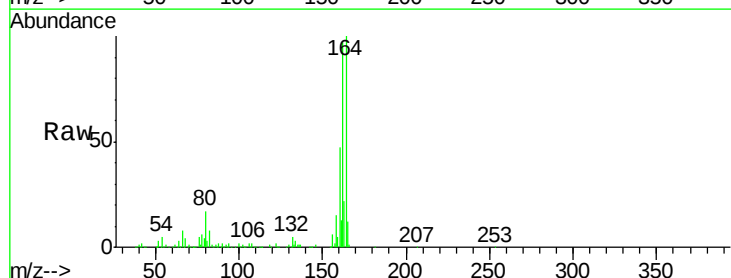
Instrument :
BNA_G
ClientSampleId :
WC-2

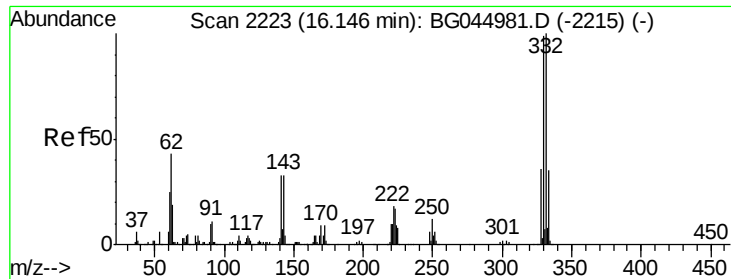
Tot Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Tgt Ion:164 Resp: 182352
Ion Ratio Lower Upper
164 100
162 97.5 78.7 118.1
160 46.6 32.8 49.2





#42

2,4,6-Tribromophenol

Concen: 149.816 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

Instrument :

BNA_G

ClientSampleId :

WC-2

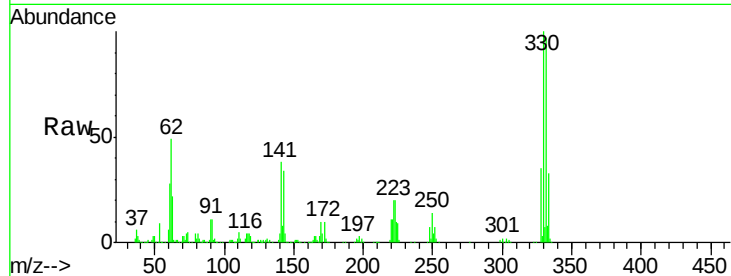
Tot Ion:330 Resp: 422048

Ion Ratio Lower Upper

330 100

332 98.2 79.1 118.7

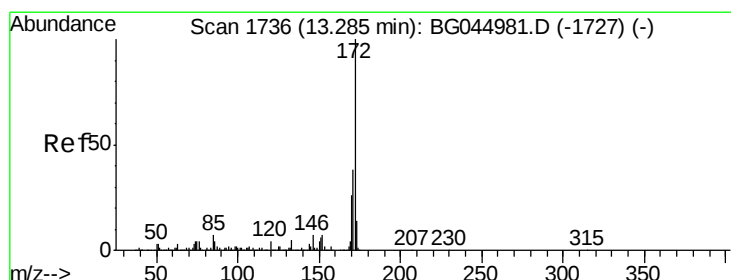
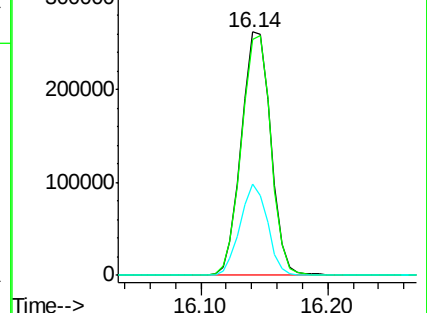
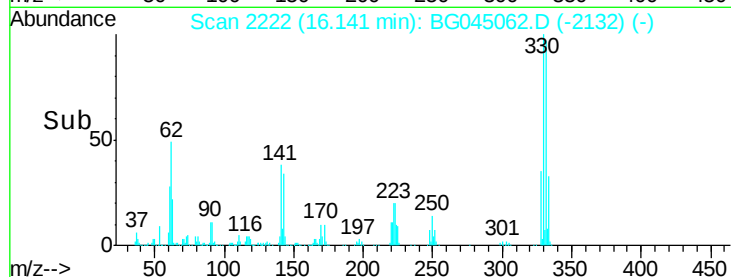
141 34.9 27.1 40.7



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



#45

2-Fluorobiphenyl

Concen: 89.946 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

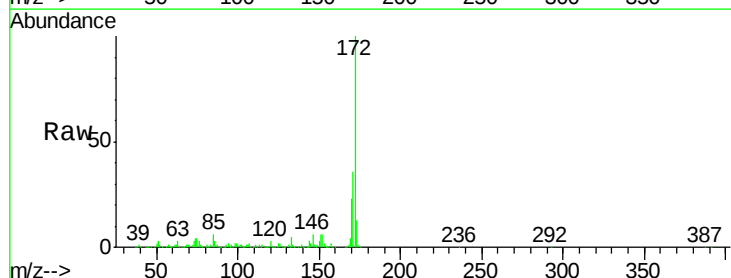
Tgt Ion:172 Resp: 1118577

Ion Ratio Lower Upper

172 100

171 35.8 30.6 46.0

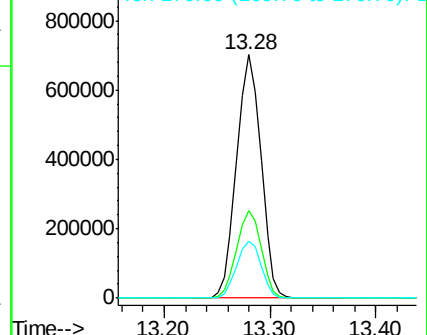
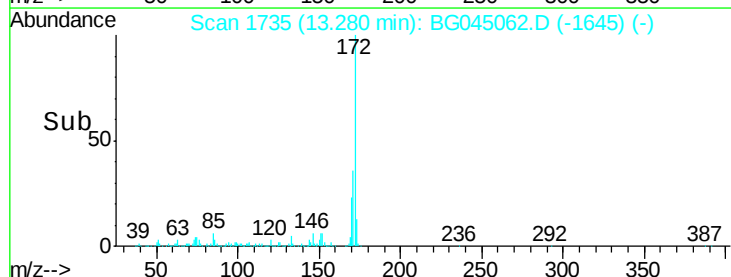
170 23.4 20.5 30.7

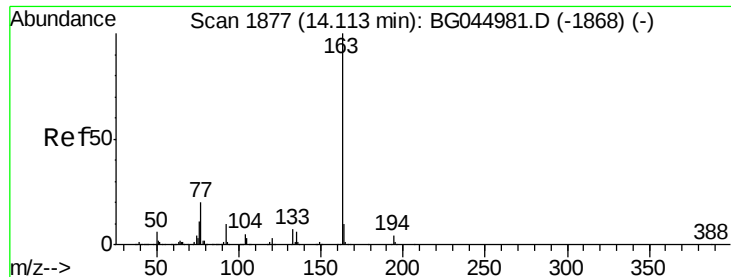


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

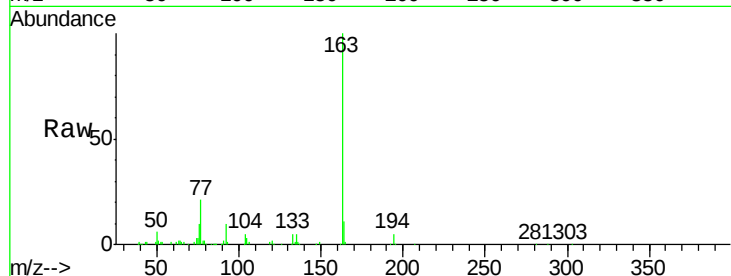




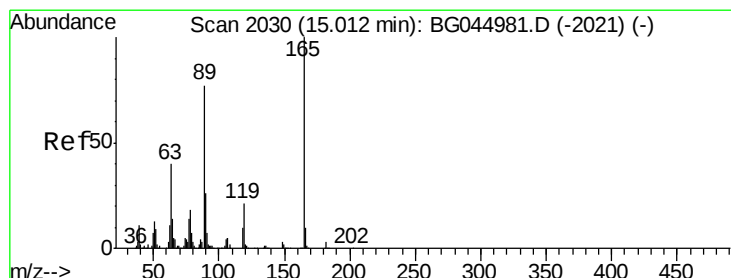
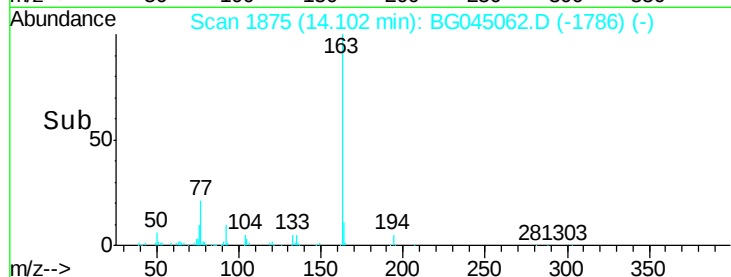
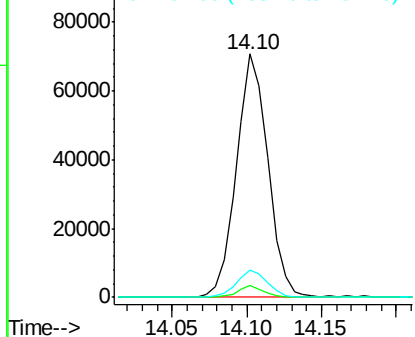
#50
Dimethylphthalate
Concen: 6.993 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Instrument :
BNA_G
ClientSampleId :
WC-2

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	11.0	8.2	12.4

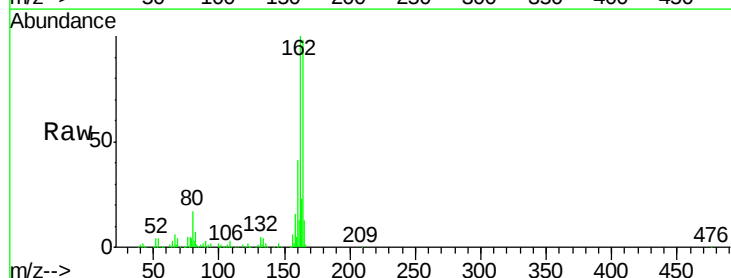


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

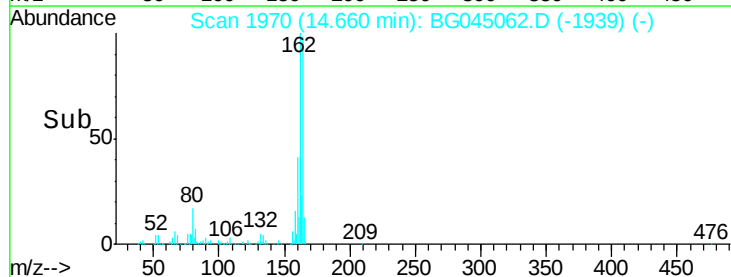
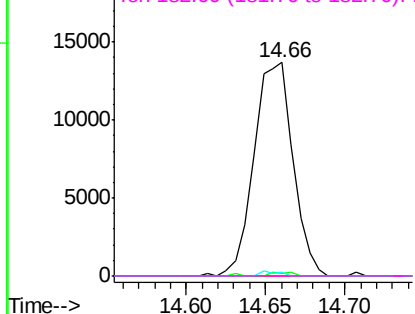


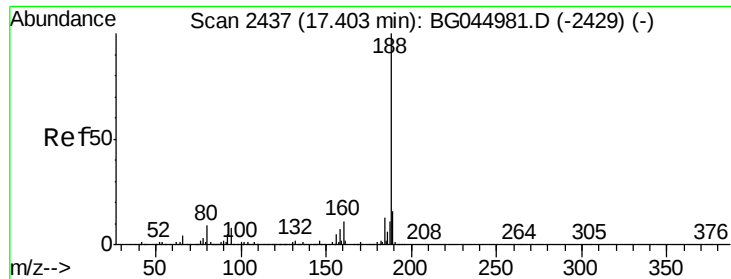
#57
2,4-Dinitrotoluene
Concen: 4.825 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.35 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.2	48.2#
89	1.7	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: BG045062.D

Acq: 18 Apr 2020 11:46

Instrument :

BNA_G

ClientSampleId :

WC-2

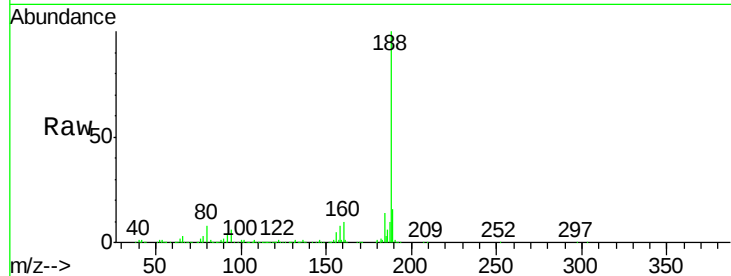
Tot Ion:188 Resp: 462368

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

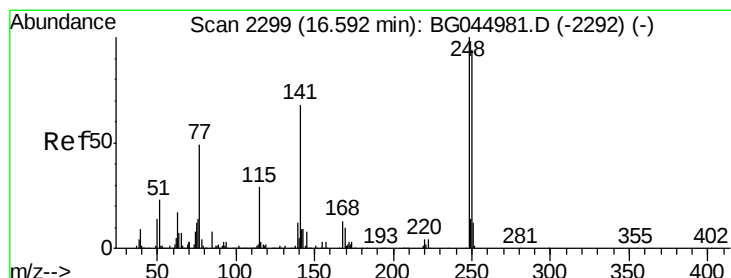
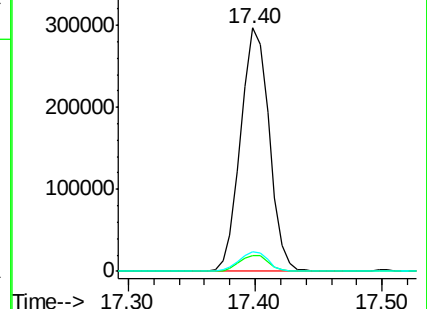
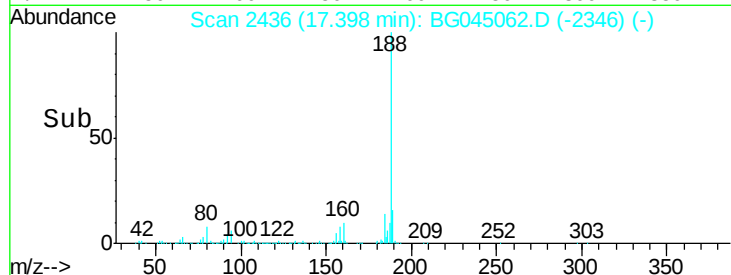
80 8.3 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.772 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

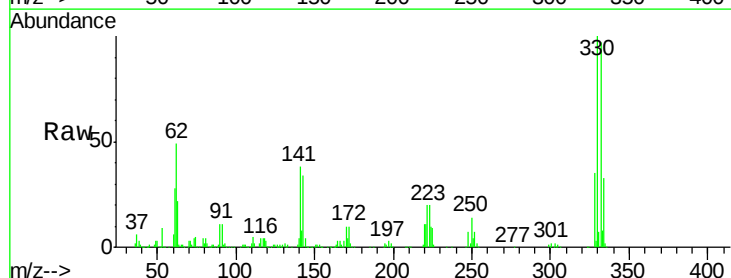
Tgt Ion:248 Resp: 28465

Ion Ratio Lower Upper

248 100

250 189.5 75.4 113.2#

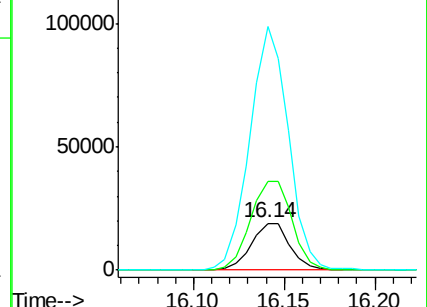
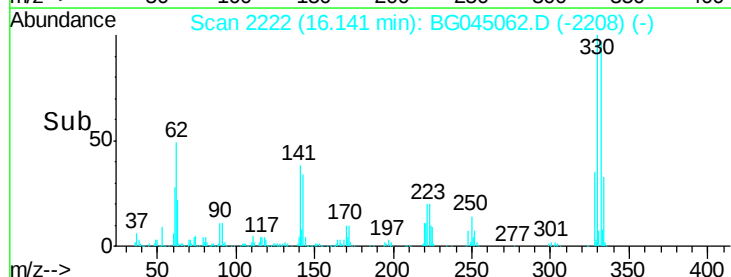
141 520.5 54.4 81.6#

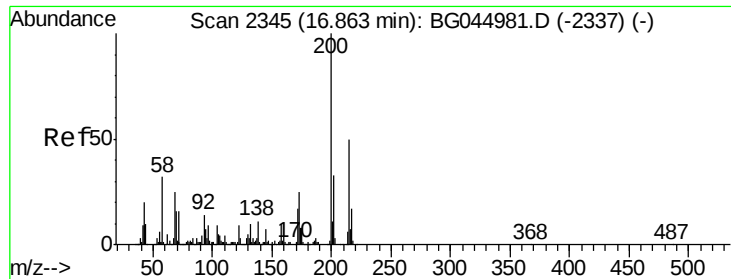


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.69 min Scan# 2316

Delta R.T. -0.17 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

Instrument :

BNA_G

ClientSampleId :

WC-2

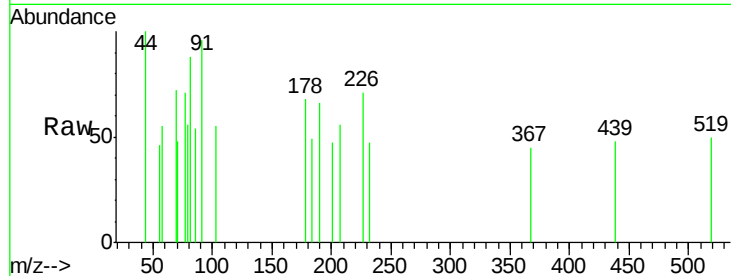
Tot Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

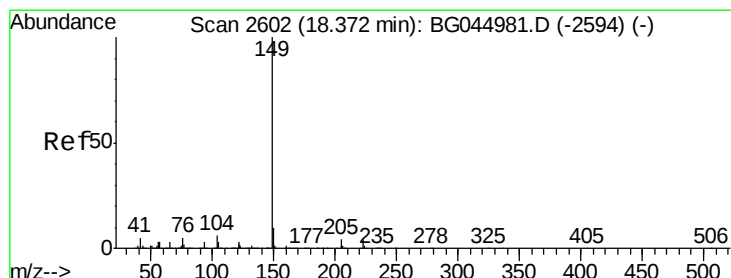
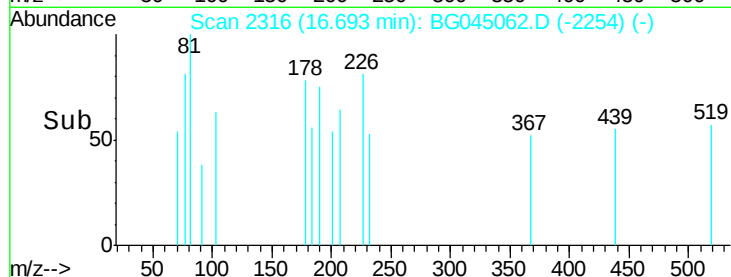
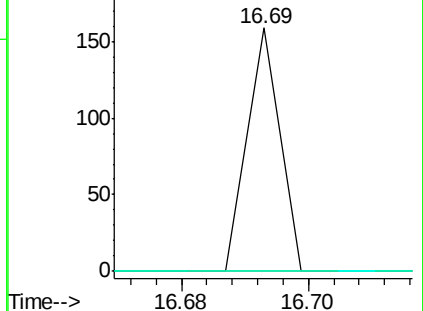
215 0.0 30.0 70.0#



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: BG045062.D

Acq: 18 Apr 2020 11:46

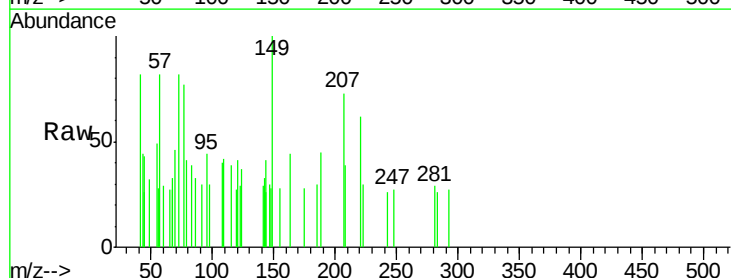
Tgt Ion:149 Resp: 1133

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

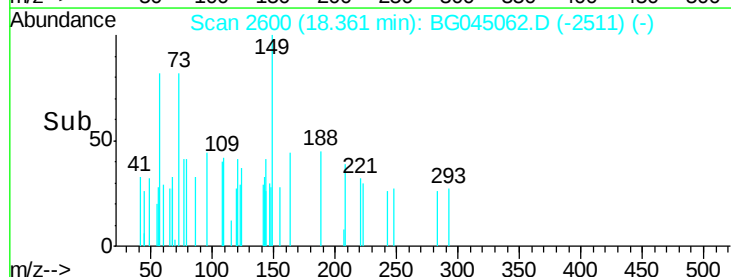
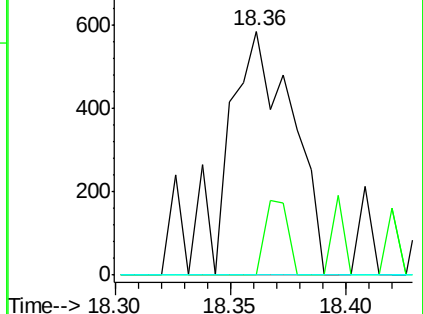
104 0.0 4.8 7.2#

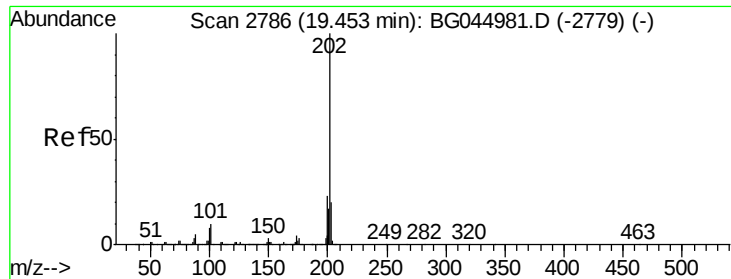


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

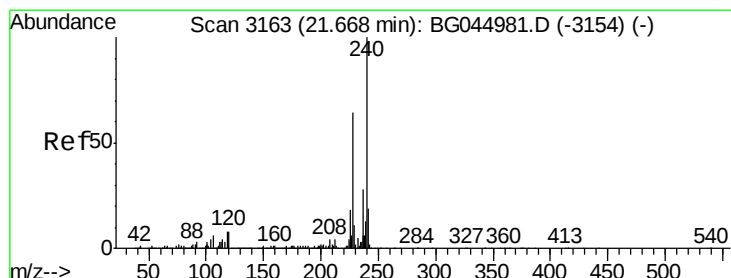
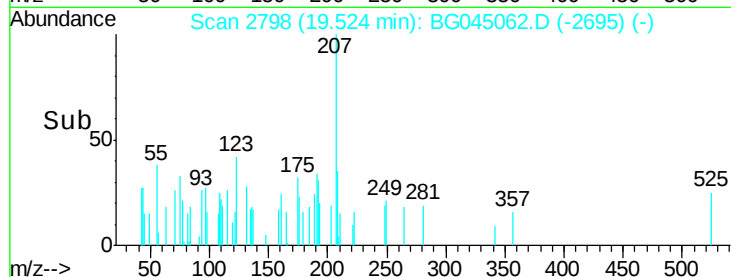
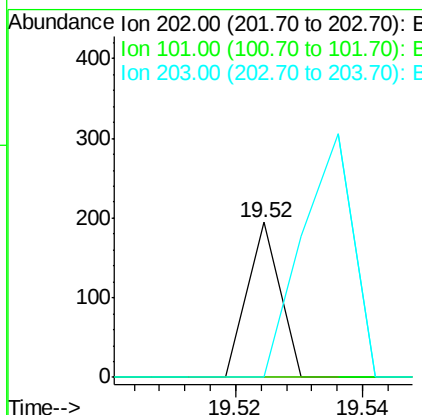
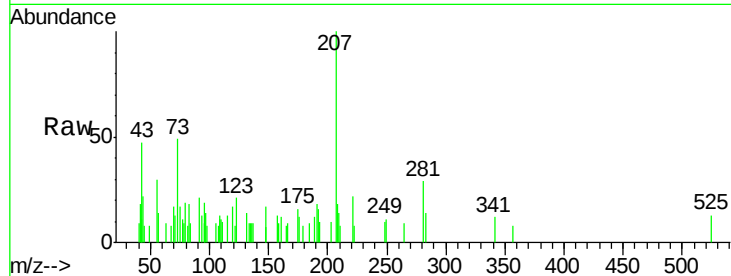




#75
Fluoranthene
Concen: Below Cal
RT: 19.52 min Scan# 2798
Delta R.T. 0.07 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

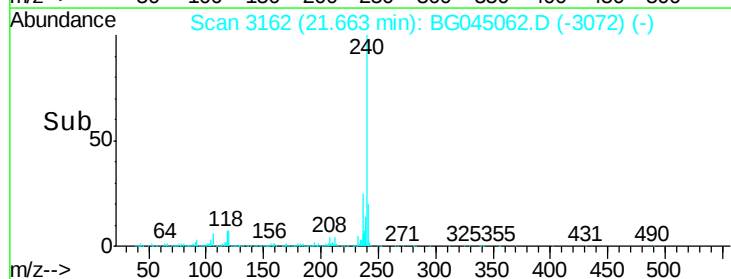
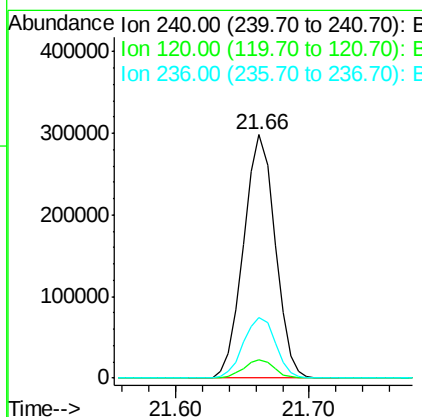
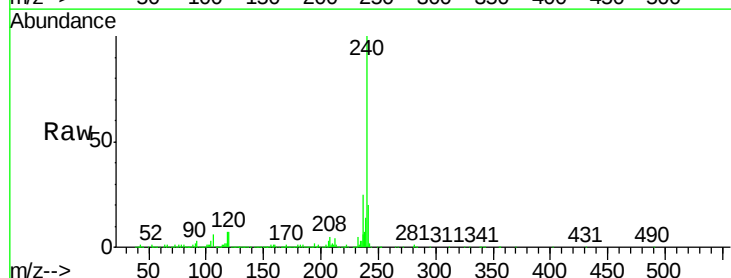
Instrument :
BNA_G
ClientSampleId :
WC-2

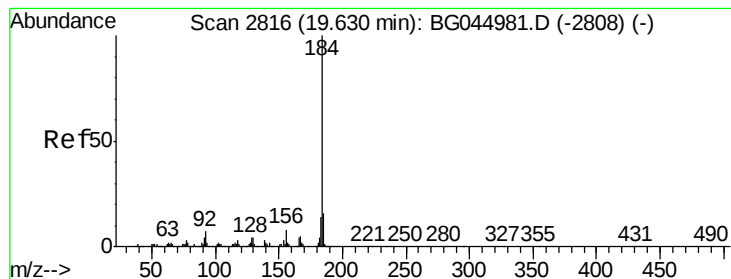
Tot Ion:202 Resp: 69
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 0.0 0.0 39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045062.D
Acq: 18 Apr 2020 11:46

Tgt Ion:240 Resp: 487958
Ion Ratio Lower Upper
240 100
120 7.3 6.6 10.0
236 24.8 22.2 33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

Instrument :

BNA_G

ClientSampleId :

WC-2

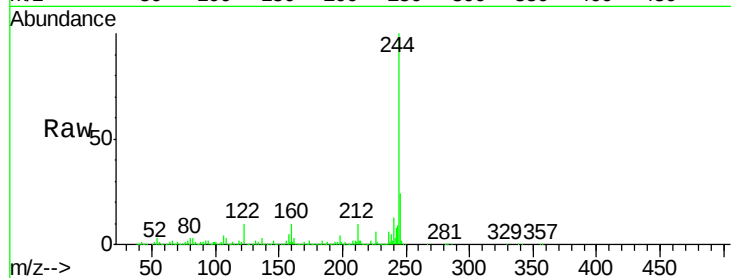
Tot Ion:184 Resp: 46428

Ion Ratio Lower Upper

184 100

185 15.5 12.6 19.0

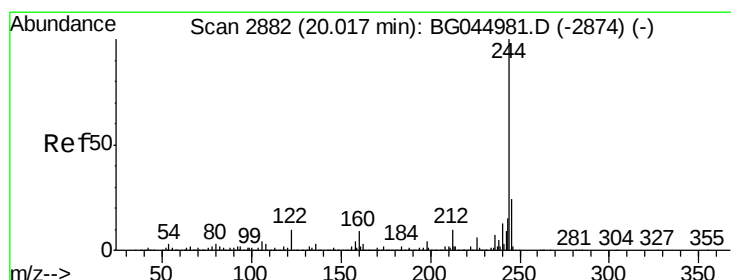
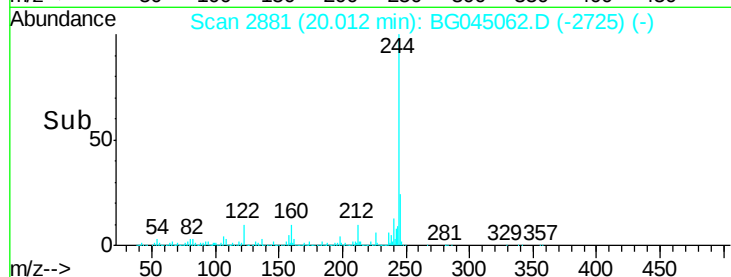
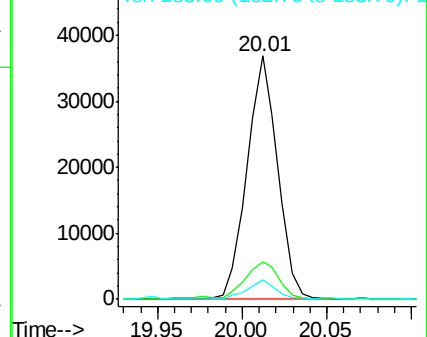
183 7.8 11.3 16.9#



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



#79

Terphenyl-d14

Concen: 100.960 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045062.D

Acq: 18 Apr 2020 11:46

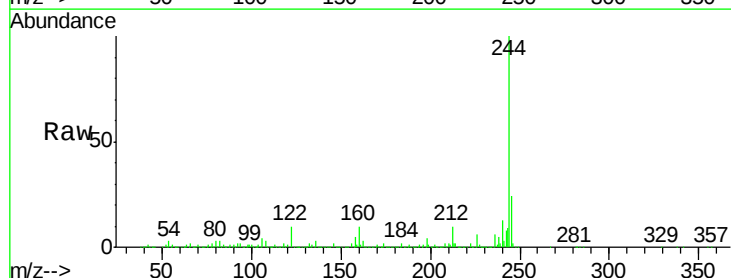
Tgt Ion:244 Resp: 2260279

Ion Ratio Lower Upper

244 100

212 10.1 7.9 11.9

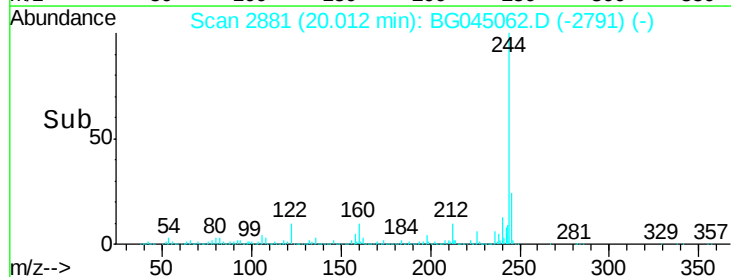
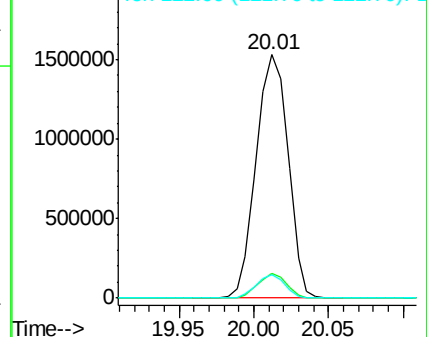
122 9.6 7.7 11.5

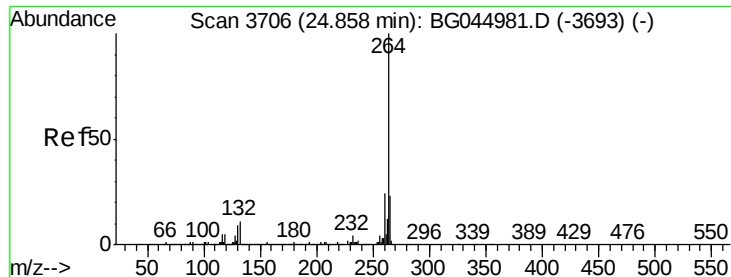


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045062.D
 Acq: 18 Apr 2020 11:46

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.0	19.0	28.4

