

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
 Data File : BG045104.D
 Acq On : 20 Apr 2020 20:23
 Operator : CG/JU
 Sample : L2346-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 21 04:54:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	60270	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	274683	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	208865	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	482680	20.00	ng	0.00
76) Chrysene-d12	21.67	240	437180	20.00	ng	0.00
87) Perylene-d12	24.86	264	469789	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	212475	58.20	ng	0.00
7) Phenol-d6	7.19	99	323481	59.64	ng	-0.01
23) Nitrobenzene-d5	9.18	82	233706	38.82	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	193097	59.84	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	613000	43.04	ng	0.00
79) Terphenyl-d14	20.01	244	996770	49.69	ng	0.00

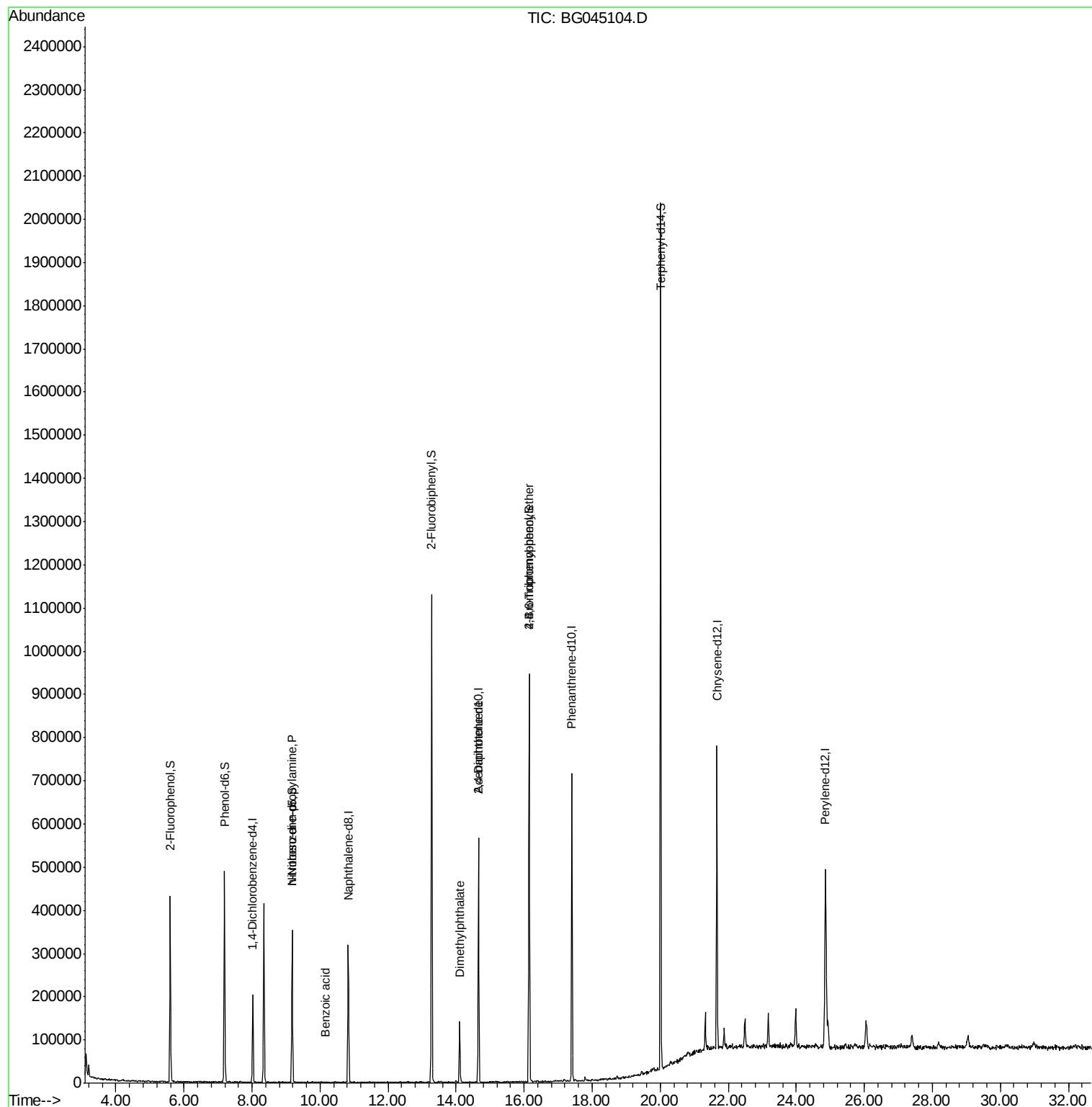
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	674	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	32859	8.566 ng	#	74
32) Benzoic acid	10.15	122	55	6.388 ng	#	1
50) Dimethylphthalate	14.11	163	99556	5.854 ng	#	99
57) 2,4-Dinitrotoluene	14.66	165	27653	4.974 ng	#	22
67) 4-Bromophenyl-phenylether	16.15	248	13109	2.105 ng	#	1
69) Atrazine	16.89	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1181	Below Cal	#	76
75) Fluoranthene	19.45	202	3773	Below Cal	#	91
77) Benzidine	20.01	184	16942	Below Cal	#	87

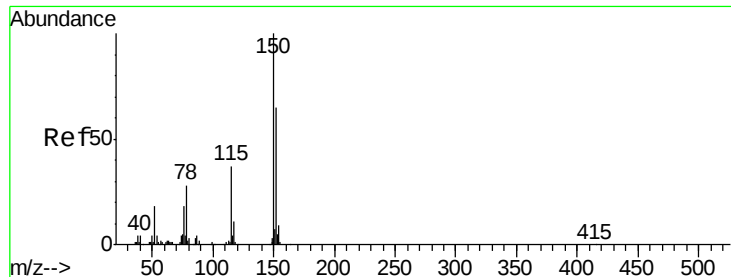
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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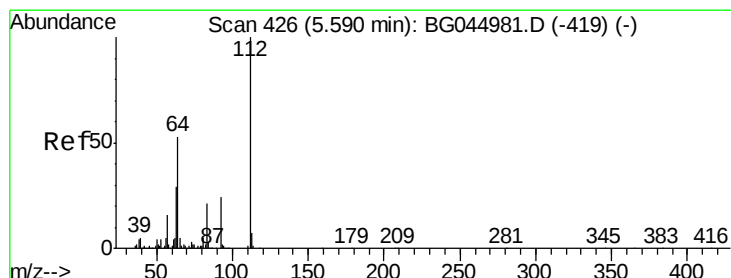
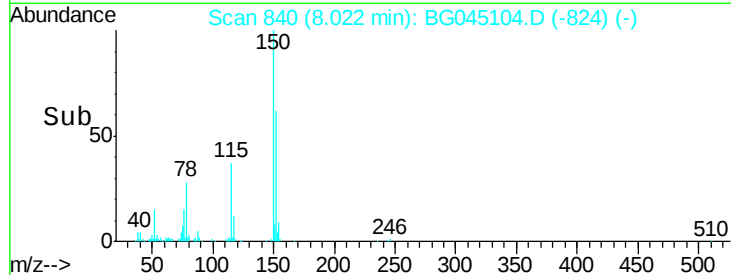
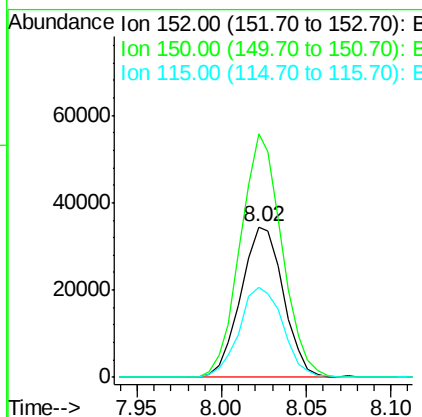
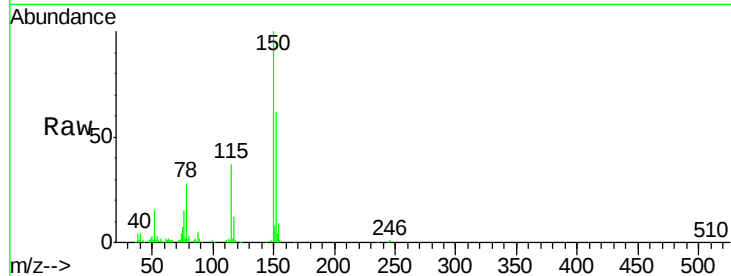




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

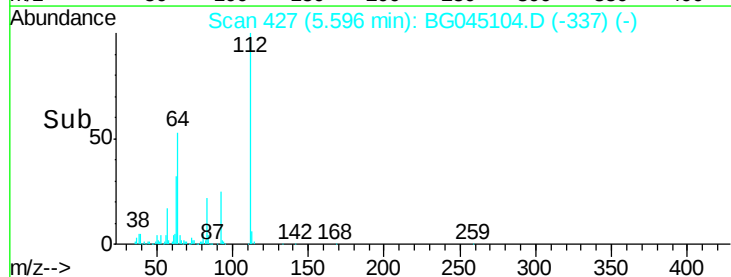
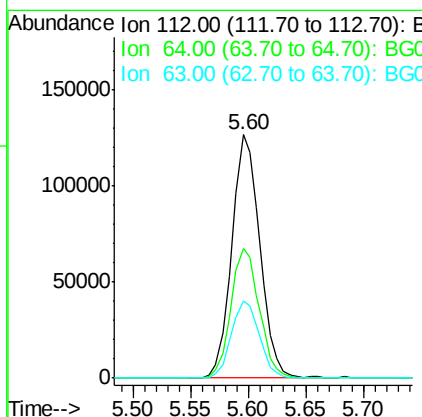
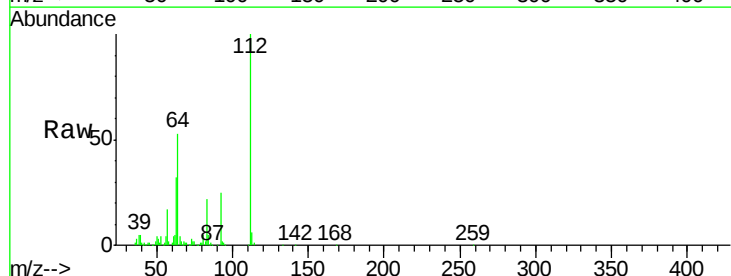
Instrument :
 BNA_G
 ClientSampleId :

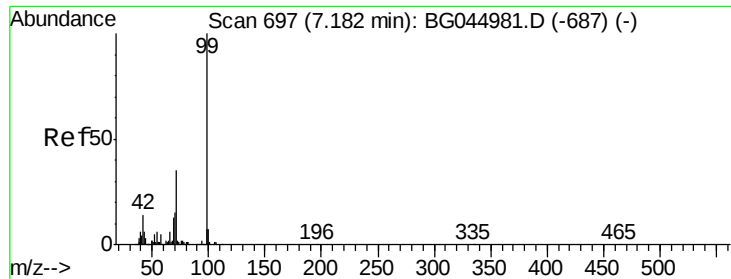
Tot Ion:152	Resp:	60270
Ion Ratio	Lower	Upper
152	100	
150	161.7	123.6 185.4
115	60.1	49.1 73.7



#5
 2-Fluorophenol
 Concen: 58.202 ng
 RT: 5.60 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:112	Resp:	212475
Ion Ratio	Lower	Upper
112	100	
64	53.4	42.4 63.6
63	31.6	23.1 34.7





#7

Phenol-d6

Concen: 59.640 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Instrument :

BNA_G

ClientSampleId :

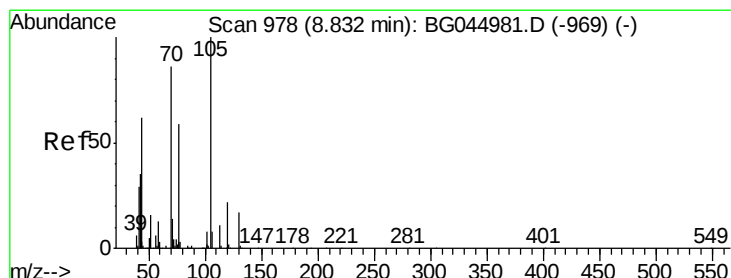
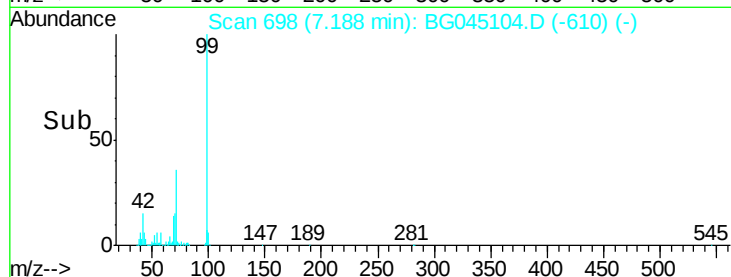
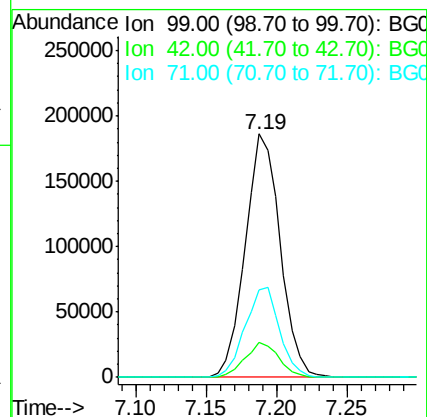
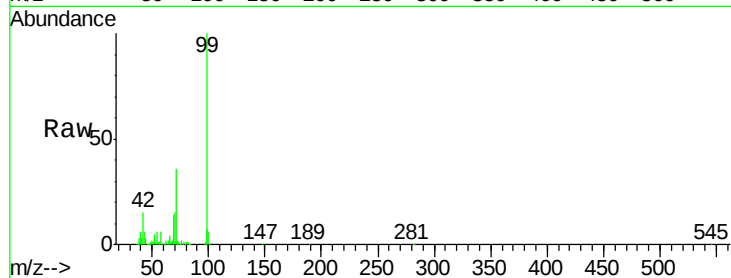
Tot Ion: 99 Resp: 323481

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 36.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 8.566 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Tgt Ion: 70 Resp: 32859

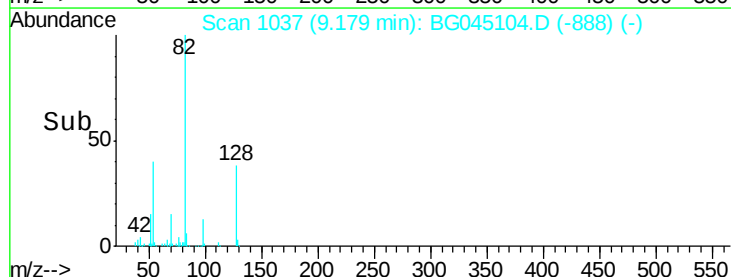
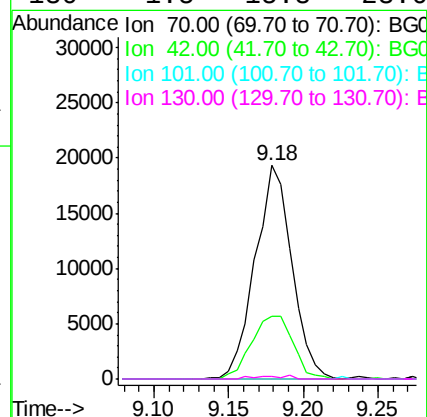
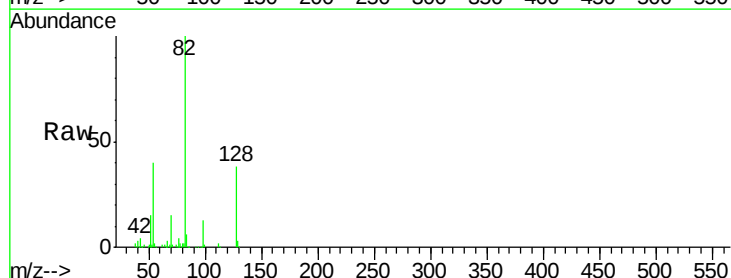
Ion Ratio Lower Upper

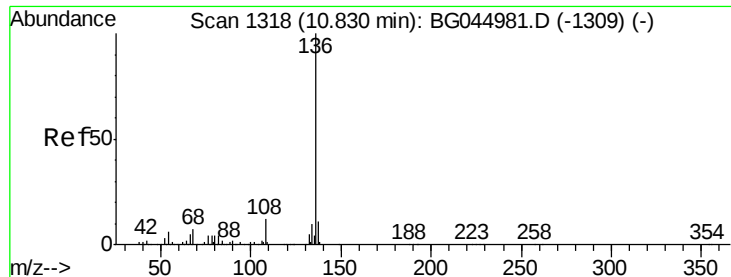
70 100

42 29.2 33.3 49.9#

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

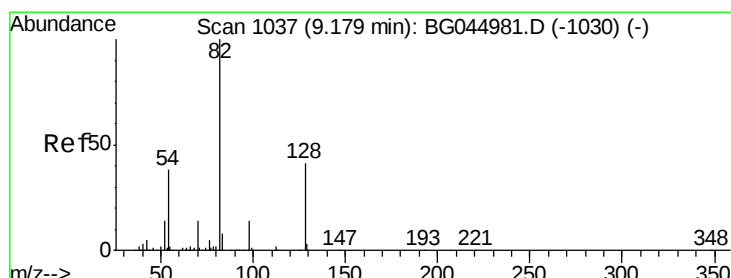
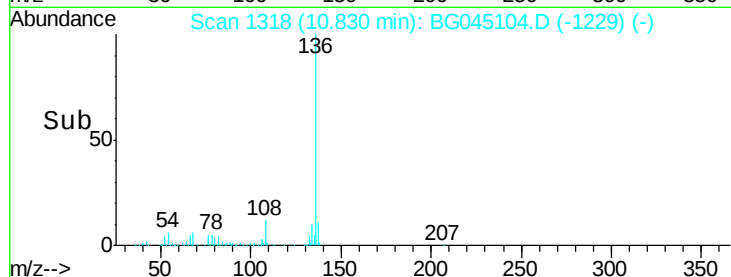
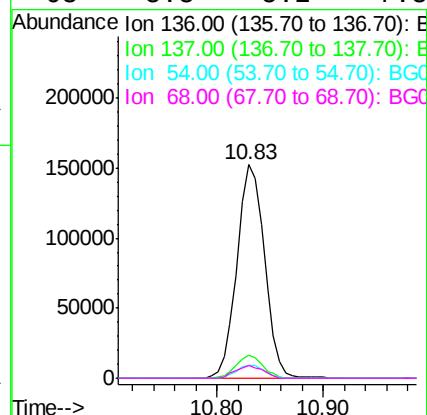
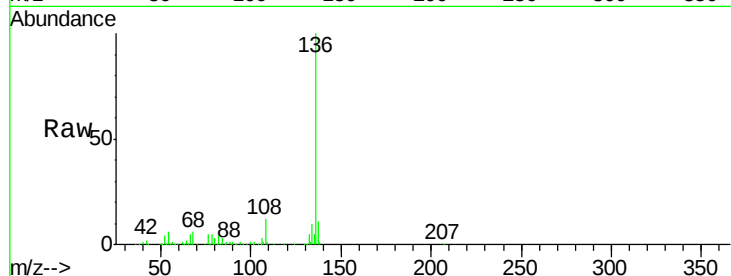




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG045104.D
Acq: 20 Apr 2020 20:23

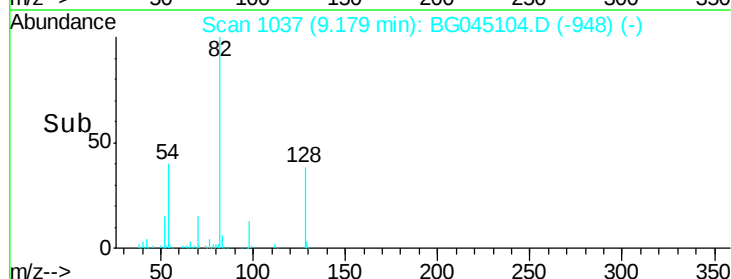
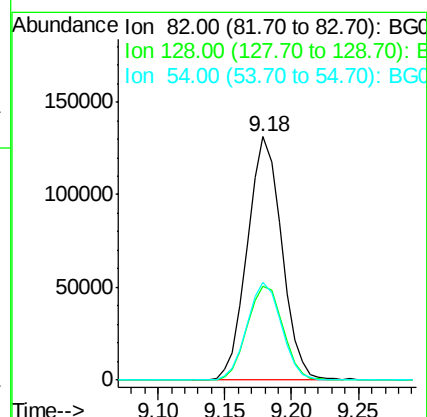
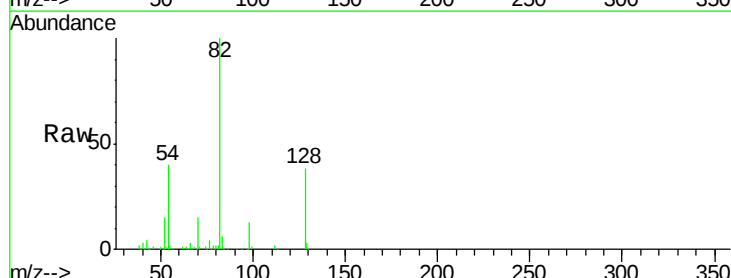
Instrument :
BNA_G
ClientSampleId :

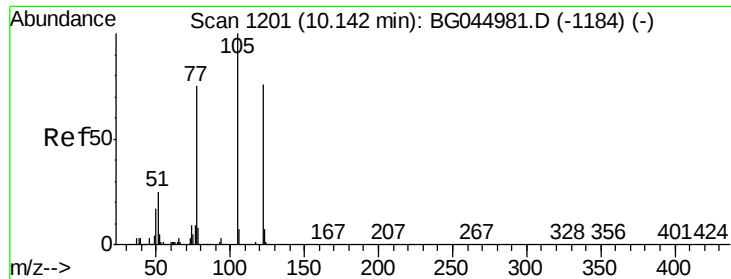
Tot Ion:	136	Resp:	274683
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.9	4.8	7.2
68	5.8	5.2	7.8



#23
Nitrobenzene-d5
Concen: 38.822 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG045104.D
Acq: 20 Apr 2020 20:23

Tgt Ion:	82	Resp:	233706
Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.0	49.4
54	40.1	30.4	45.6

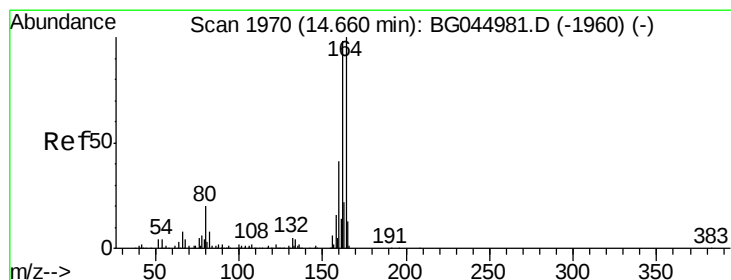
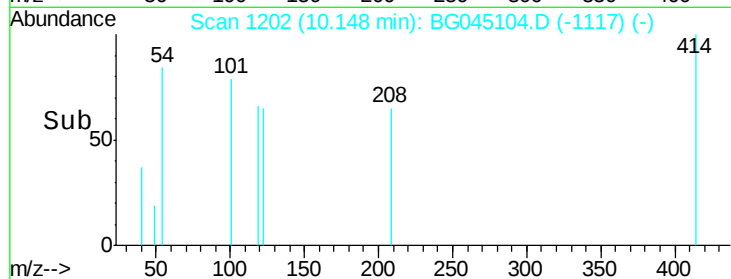
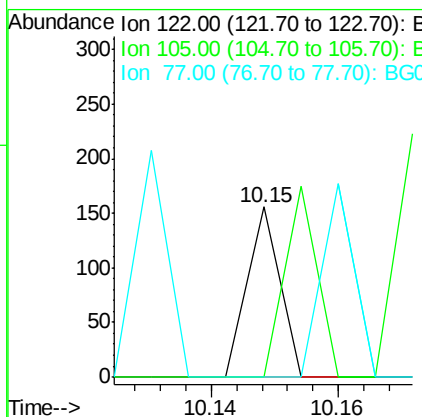
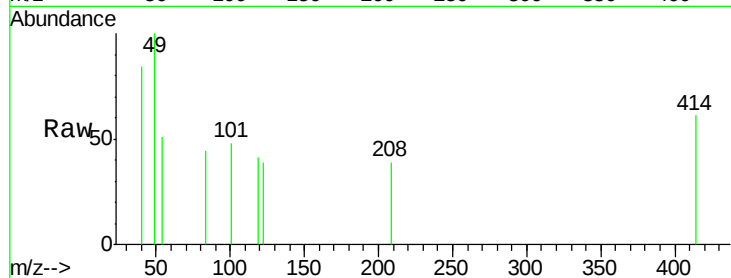




#32
Benzoic acid
Concen: 6.388 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.03 min
Lab File: BG045104.D
Acq: 20 Apr 2020 20:23

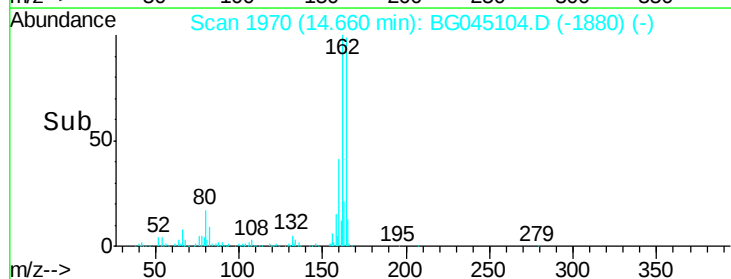
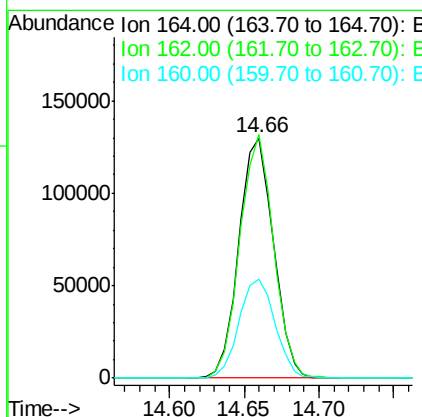
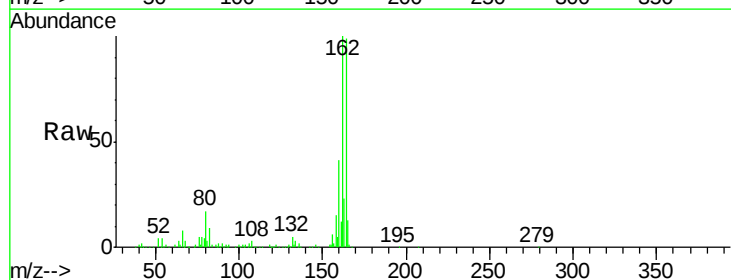
Instrument :
BNA_G
ClientSampled :

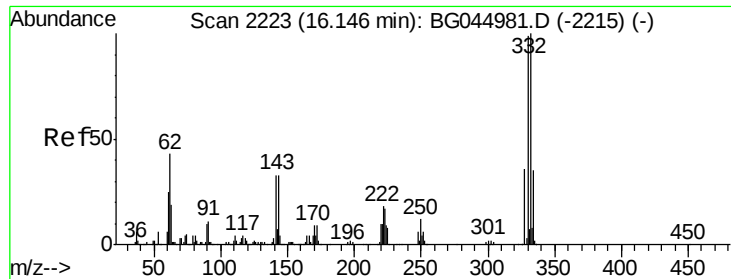
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG045104.D
Acq: 20 Apr 2020 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.7	118.1
160	41.2	32.8	49.2

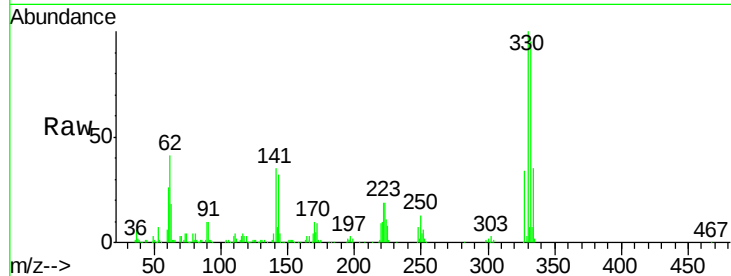




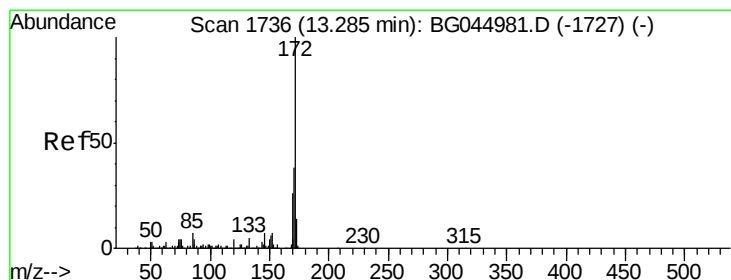
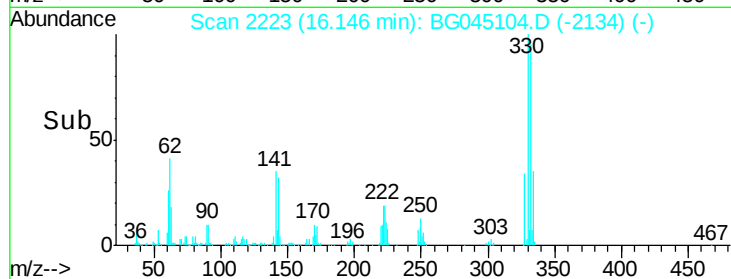
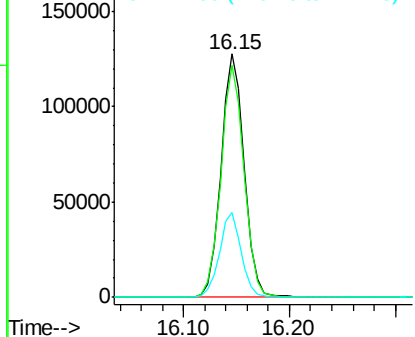
#42
 2,4,6-Tribromophenol
 Concen: 59.844 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	79.1	118.7
141	33.4	27.1	40.7

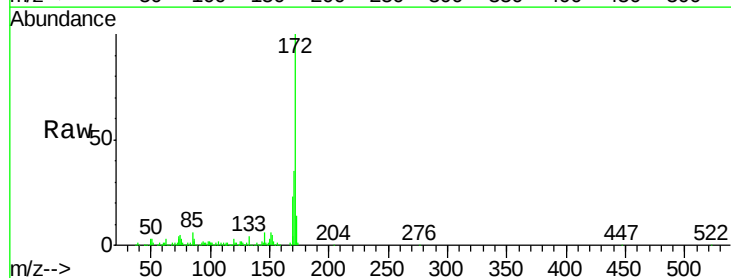


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

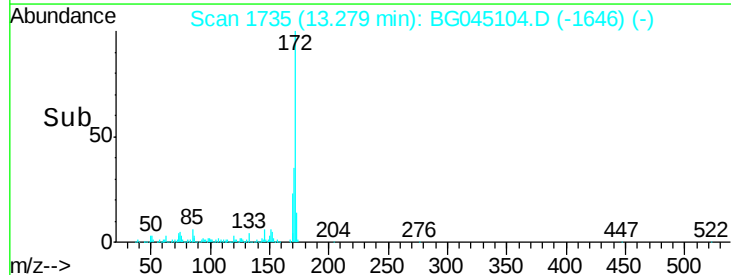
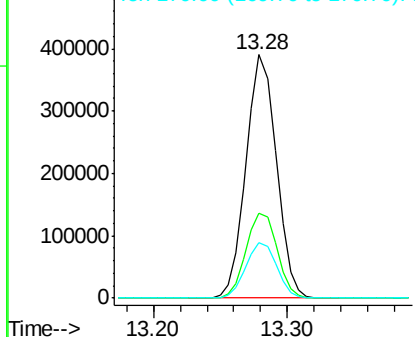


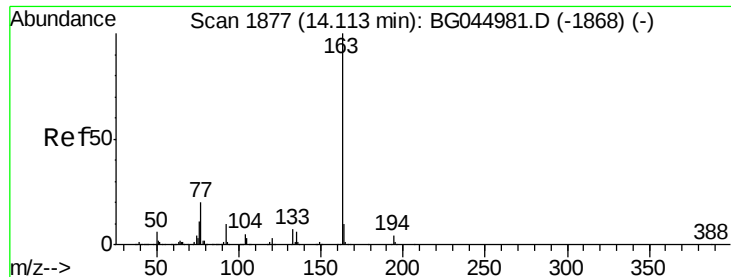
#45
 2-Fluorobiphenyl
 Concen: 43.035 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.6	46.0
170	22.7	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: 5.854 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Instrument :

BNA_G

ClientSampleId :

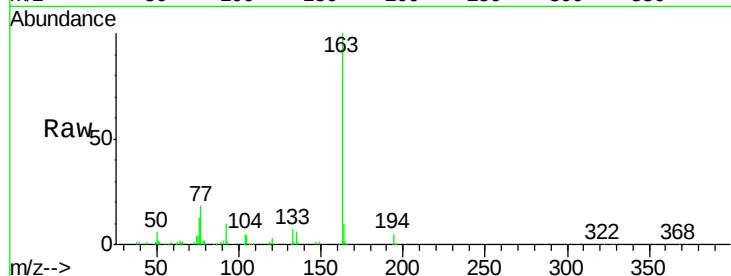
Tot Ion:163 Resp: 99556

Ion Ratio Lower Upper

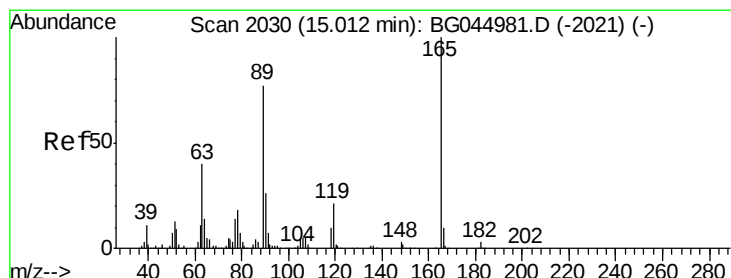
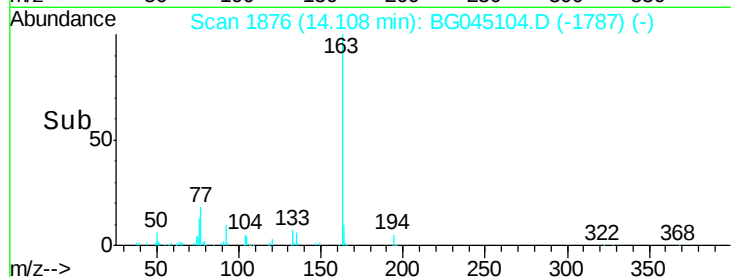
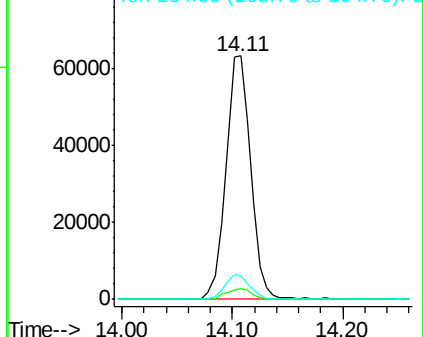
163 100

194 4.6 3.5 5.3

164 9.7 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: 4.974 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Tgt Ion:165 Resp: 27653

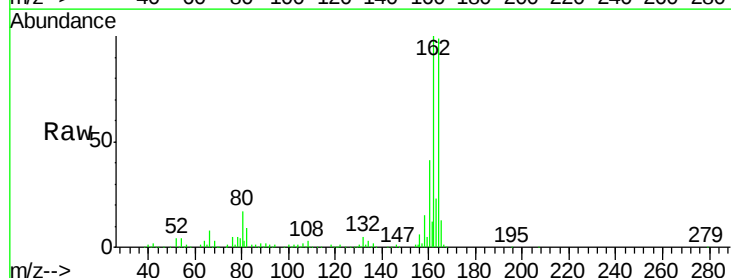
Ion Ratio Lower Upper

165 100

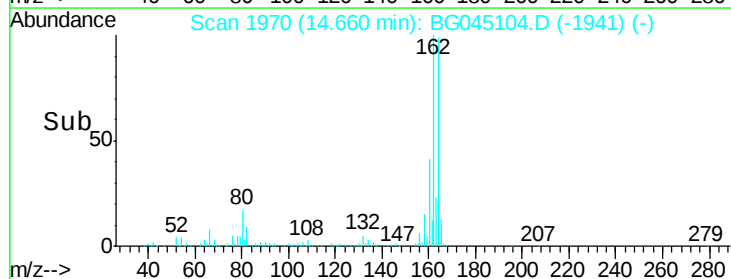
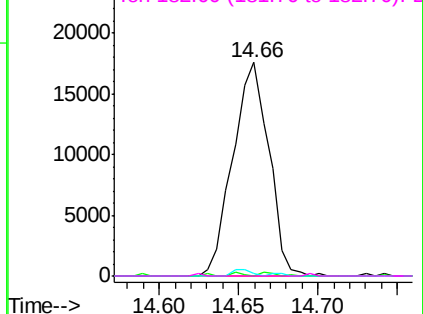
63 0.0 32.2 48.2#

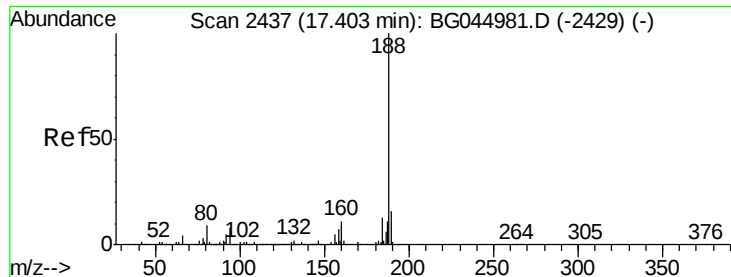
89 1.5 61.7 92.5#

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# 2437

Delta R.T. -0.01 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Instrument :

BNA_G

ClientSampleId :

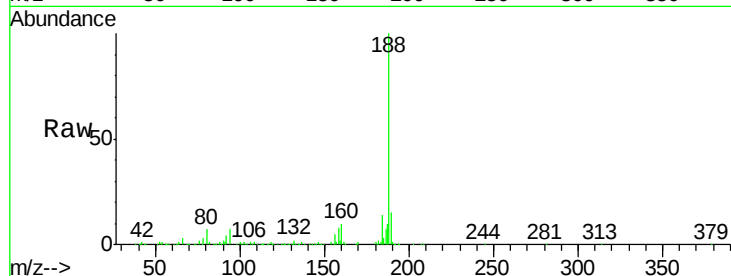
Tot Ion:188 Resp: 482680

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

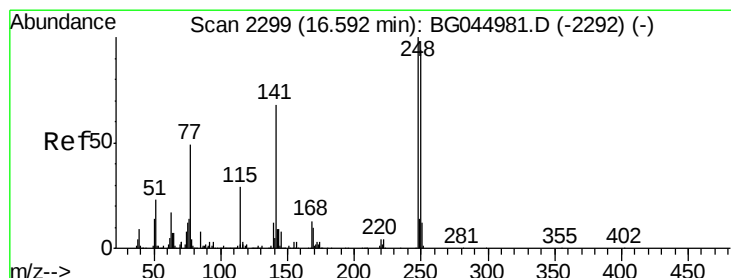
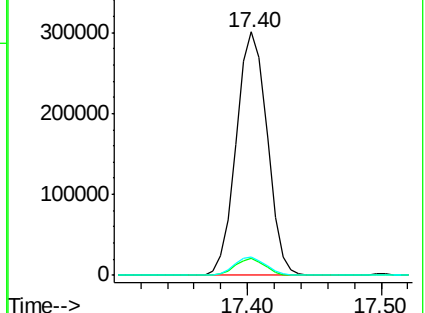
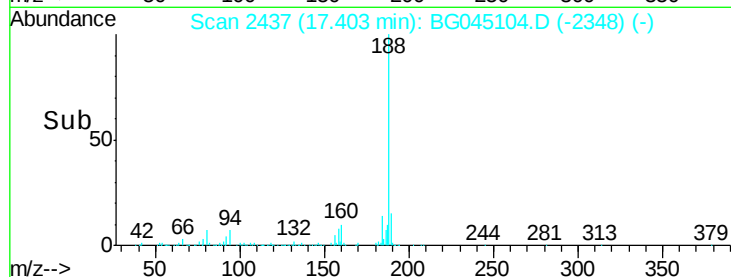
80 7.5 7.0 10.6



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: 2.105 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

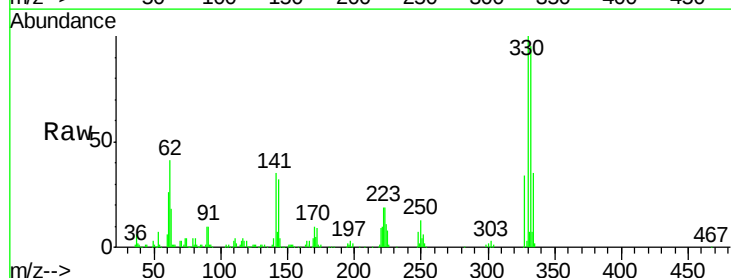
Tgt Ion:248 Resp: 13109

Ion Ratio Lower Upper

248 100

250 179.3 75.4 113.2#

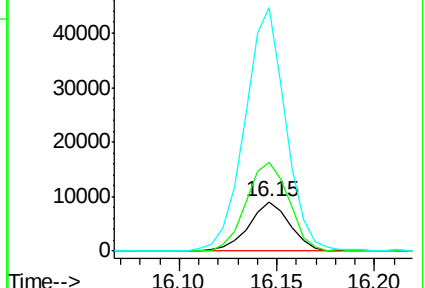
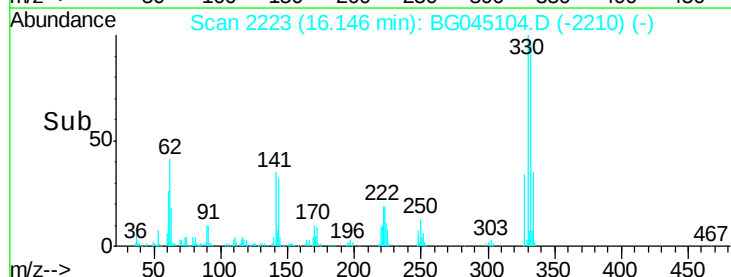
141 492.8 54.4 81.6#

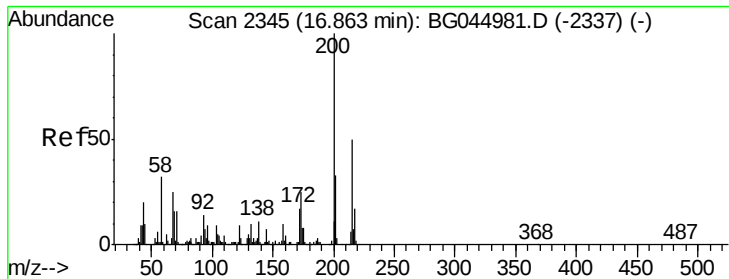


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.89 min Scan# 2349

Delta R.T. 0.02 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Instrument :

BNA_G

ClientSampleId :

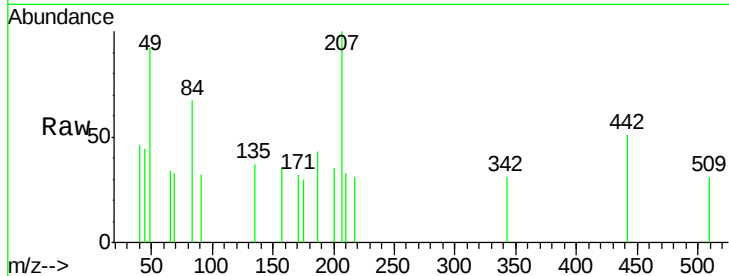
Tot Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

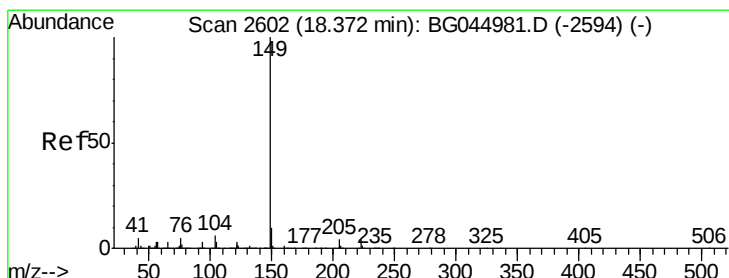
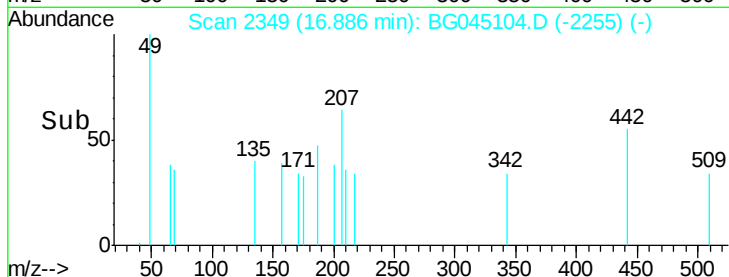
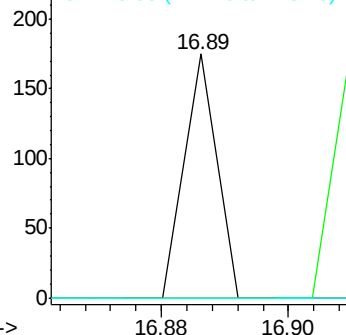
215 0.0 30.0 70.0#



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: 18.37 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

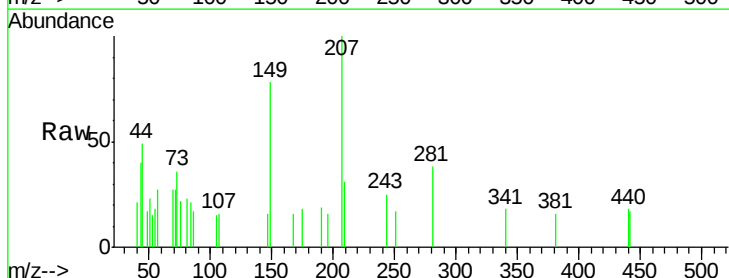
Tgt Ion:149 Resp: 1181

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

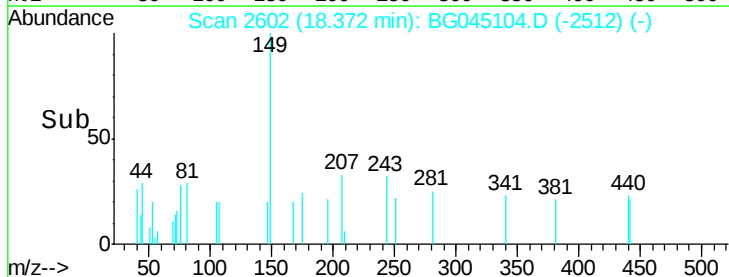
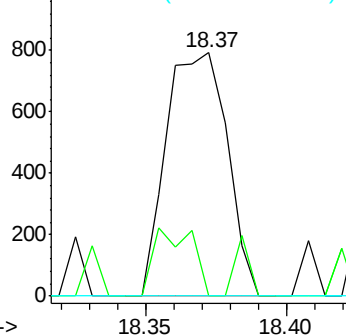
104 0.0 4.8 7.2#

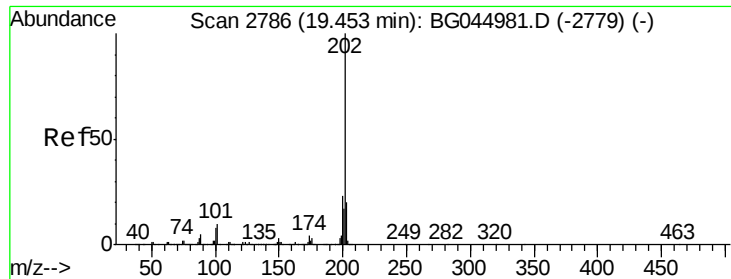


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

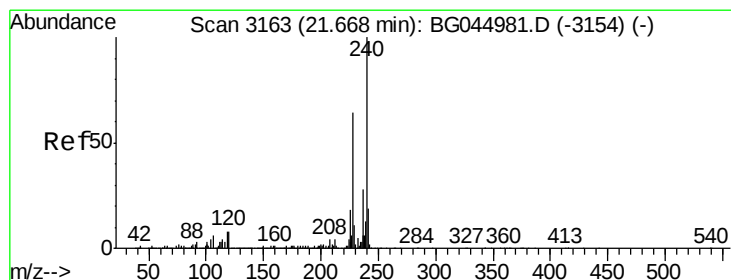
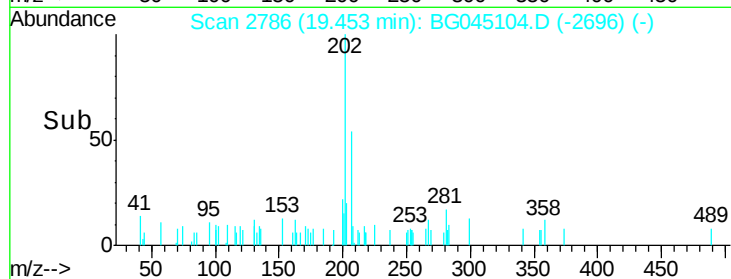
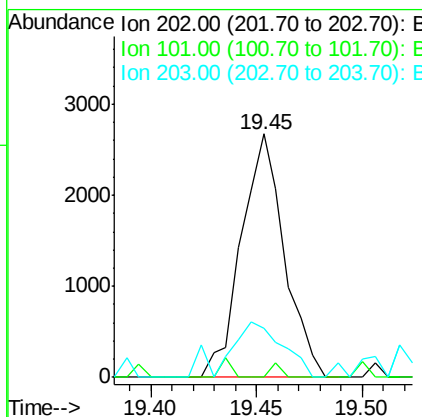
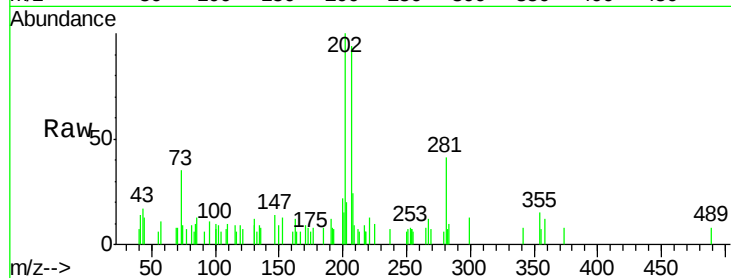




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.45 min Scan# 2786
 Delta R.T. -0.00 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

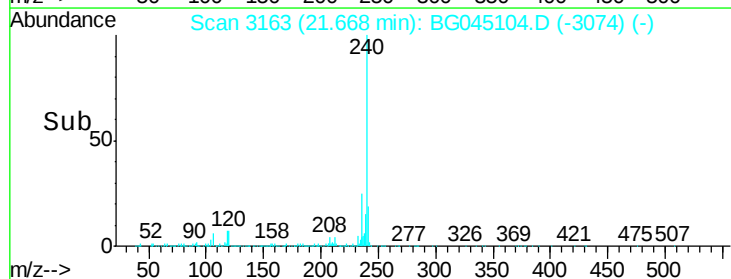
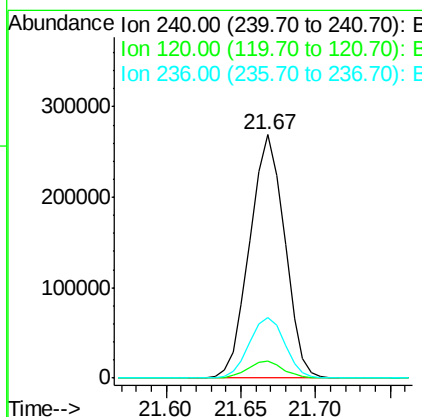
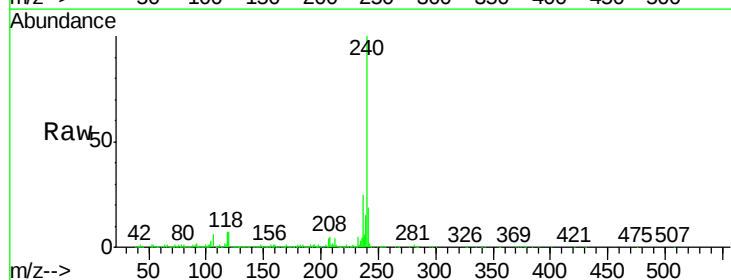
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	202	Resp:	3773
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	20.3	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG045104.D
 Acq: 20 Apr 2020 20:23

Tgt Ion:	240	Resp:	437180
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.6	10.0
236	24.7	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

Instrument :

BNA_G

ClientSampleId :

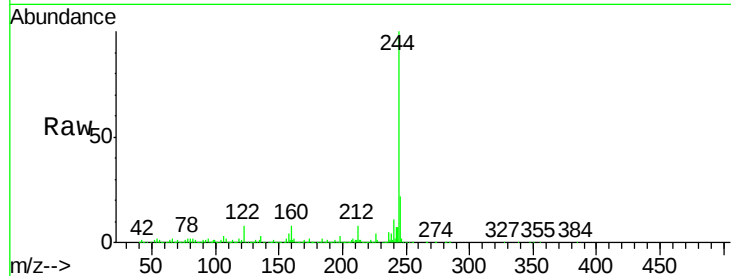
Tot Ion:184 Resp: 16942

Ion Ratio Lower Upper

184 100

185 19.1 12.6 19.0#

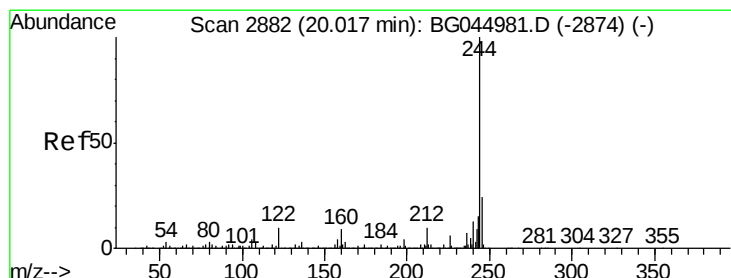
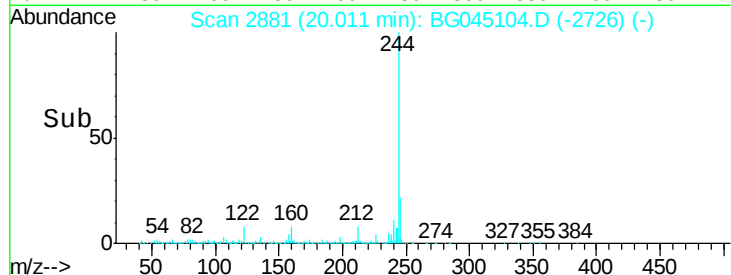
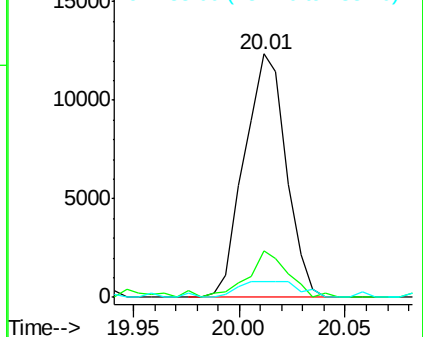
183 6.5 11.3 16.9#



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: 49.694 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045104.D

Acq: 20 Apr 2020 20:23

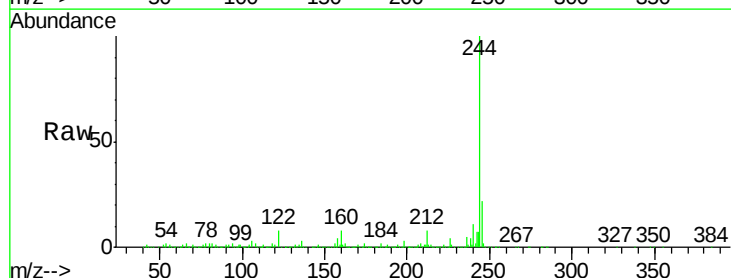
Tgt Ion:244 Resp: 996770

Ion Ratio Lower Upper

244 100

212 8.3 7.9 11.9

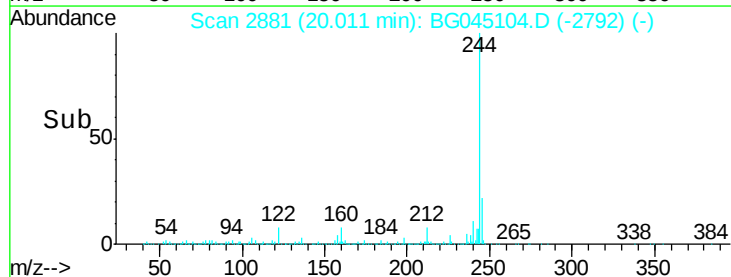
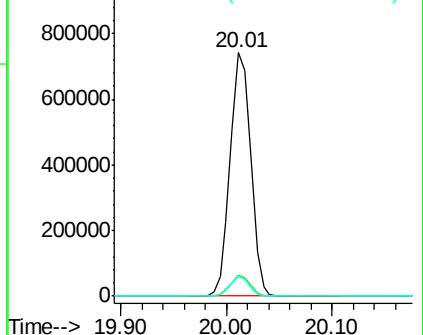
122 7.8 7.7 11.5

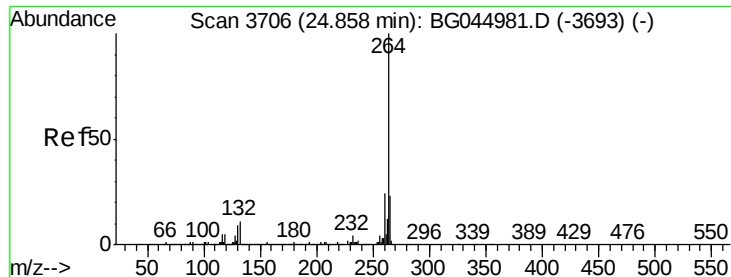


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG045104.D
Acq: 20 Apr 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.0	19.0	28.4

