

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
 Data File : BG045107.D
 Acq On : 21 Apr 2020 11:58
 Operator : CG/JU
 Sample : PB128352BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128352BL

Quant Time: Apr 21 14:18:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 14:13:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	54927	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	236787	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	184477	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	463914	20.00	ng	0.00
76) Chrysene-d12	21.66	240	484372	20.00	ng	0.00
87) Perylene-d12	24.85	264	501587	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	471927	141.85	ng	0.00
7) Phenol-d6	7.18	99	688890	139.36	ng	0.00
23) Nitrobenzene-d5	9.17	82	509188	98.12	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	423003	148.43	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1250277	99.38	ng	0.00
79) Terphenyl-d14	20.01	244	2311279	104.00	ng	0.00

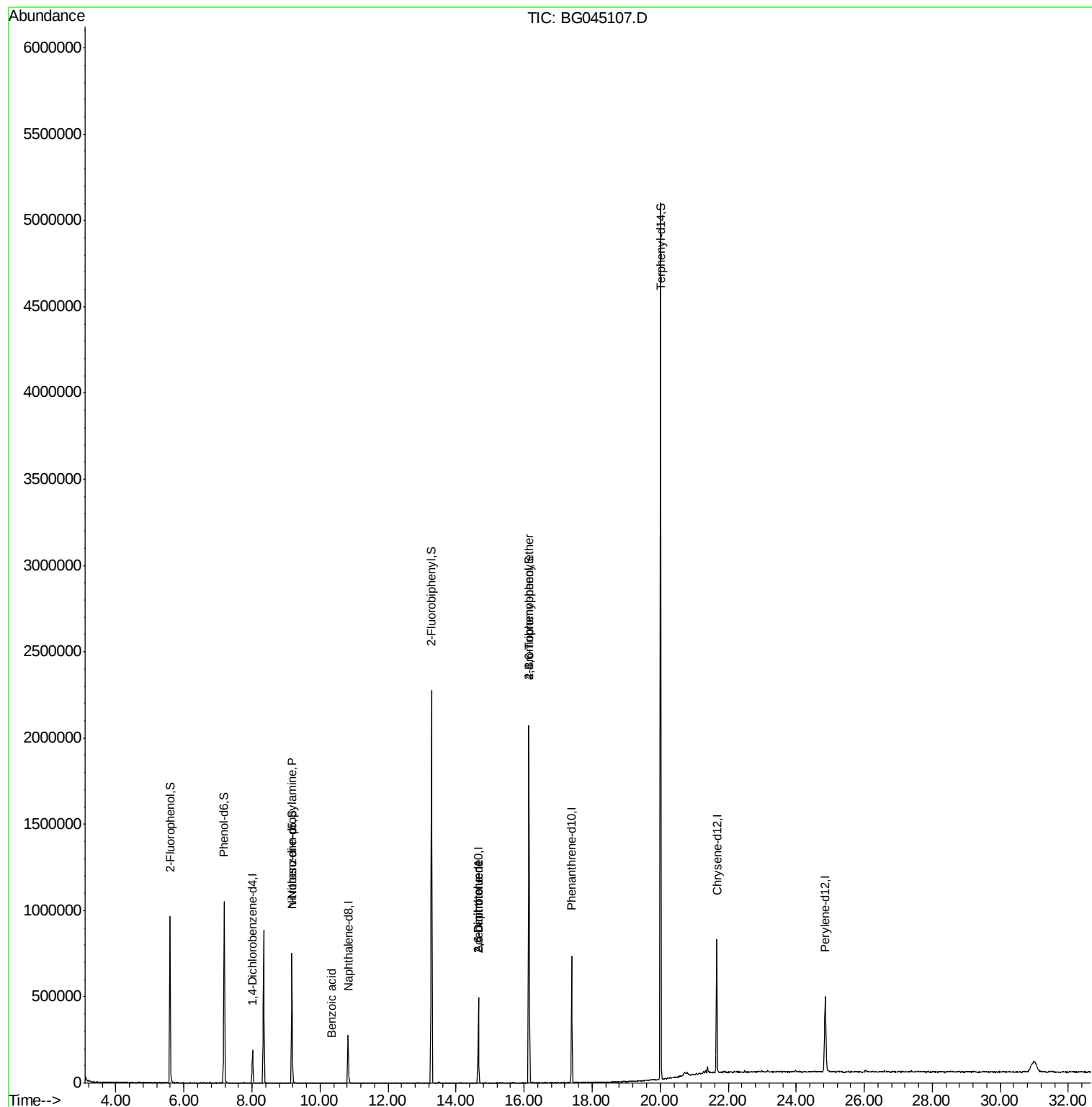
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1034	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	67604	19.339	ng	84
32) Benzoic acid	10.35	122	54	6.390	ng	1
51) 2,6-Dinitrotoluene	14.65	165	23199	6.905	ng	25
57) 2,4-Dinitrotoluene	14.65	165	23199	4.725	ng	22
67) 4-Bromophenyl-phenylether	16.14	248	27200	4.545	ng	1
69) Atrazine	17.15	200	58	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	143	Below Cal	#	76
75) Fluoranthene	19.47	202	75	Below Cal	#	62
77) Benzydine	20.01	184	45622	Below Cal	#	91

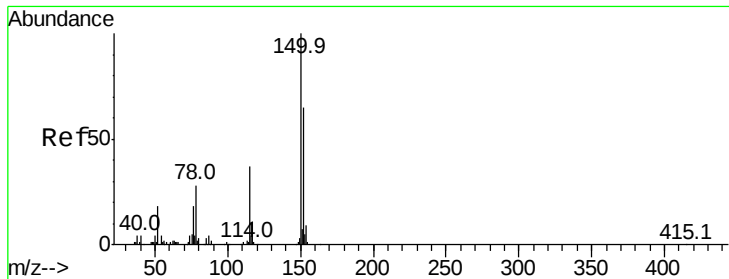
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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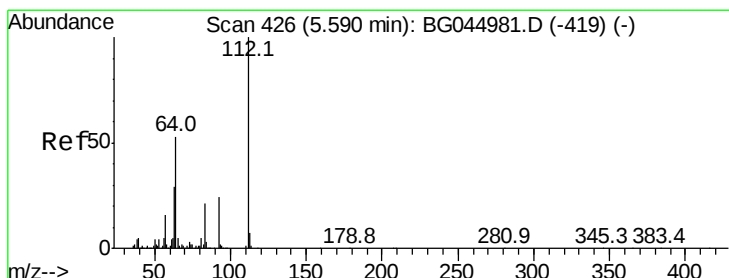
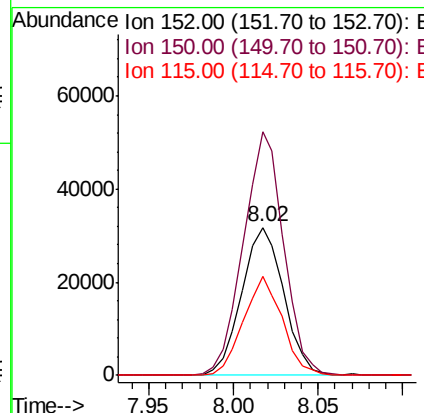
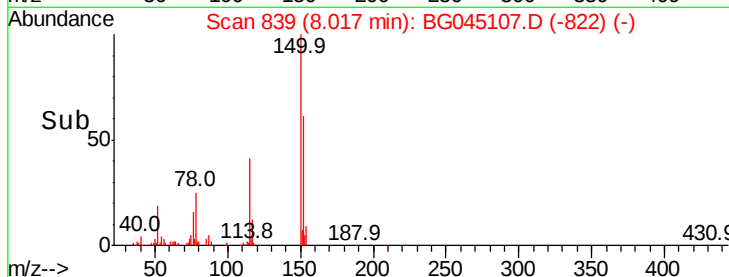
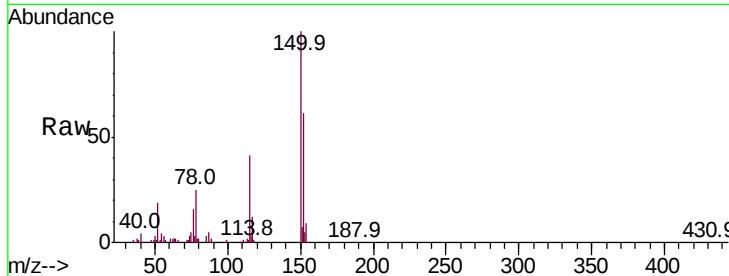




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BG045107.D
 Acq: 21 Apr 2020 11:58

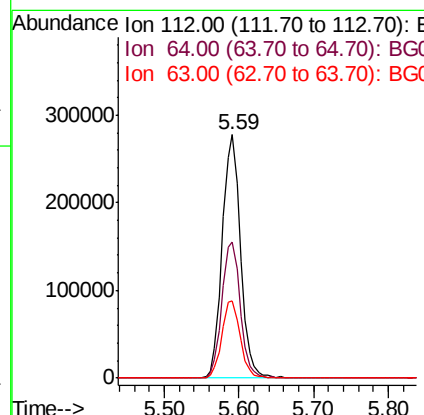
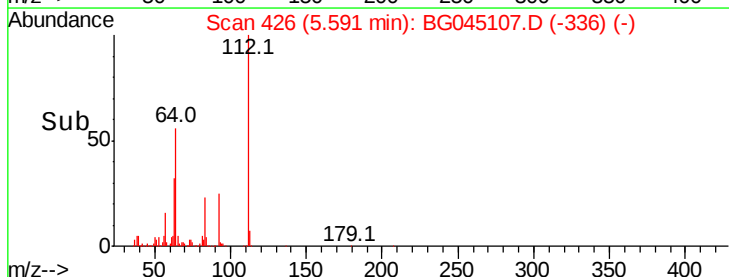
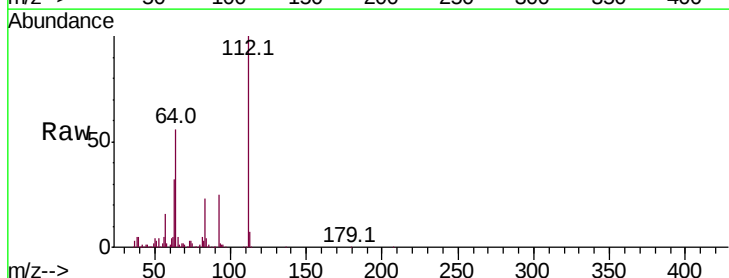
Instrument :
 BNA_G
 ClientSampleId :
 PB128352BL

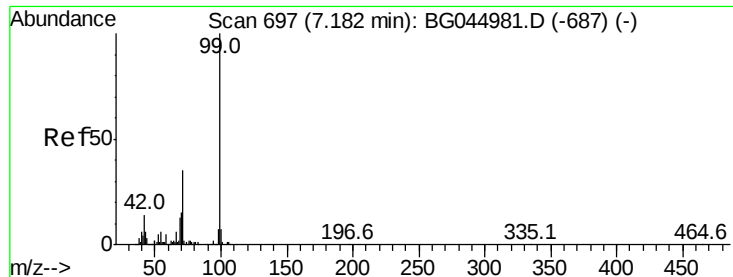
Tot Ion:	152	Resp:	54927
Ion	Ratio	Lower	Upper
152	100		
150	164.8	123.6	185.4
115	67.4	49.1	73.7



#5
 2-Fluorophenol
 Concen: 141.848 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045107.D
 Acq: 21 Apr 2020 11:58

Tgt Ion:	112	Resp:	471927
Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.4	63.6
63	31.9	23.1	34.7





#7

Phenol-d6

Concen: 139.364 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

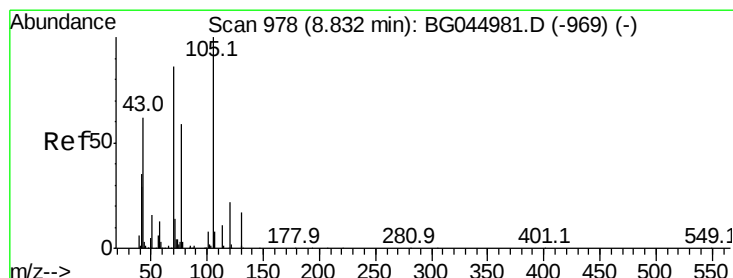
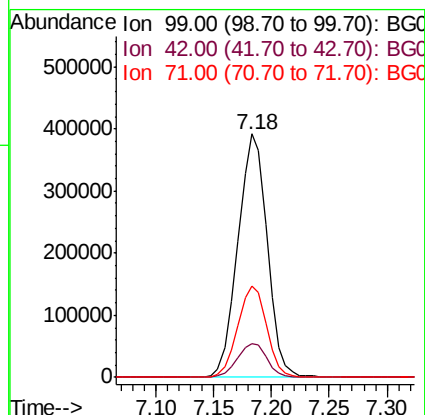
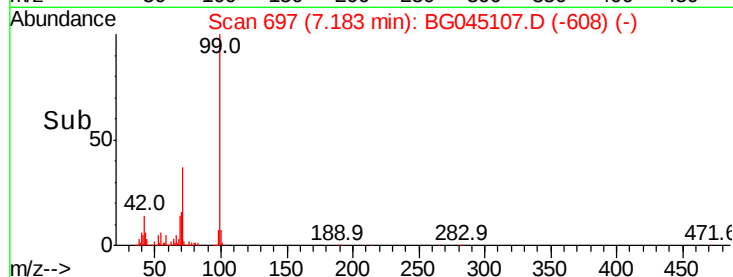
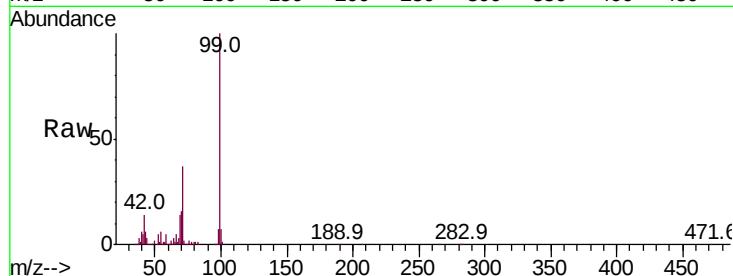
Tot Ion: 99 Resp: 688890

Ion Ratio Lower Upper

99 100

42 14.0 11.3 16.9

71 37.3 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.339 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Tgt Ion: 70 Resp: 67604

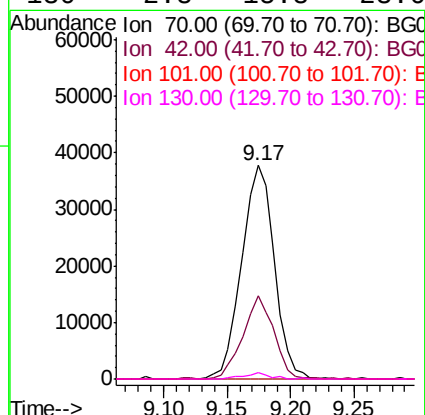
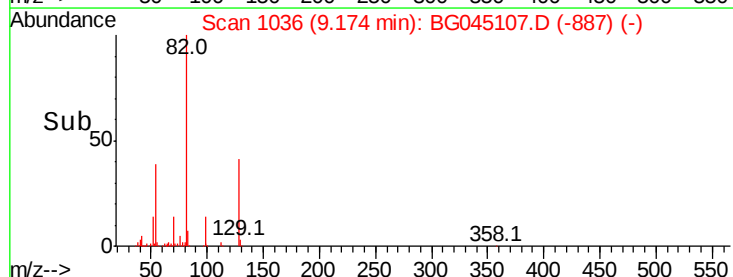
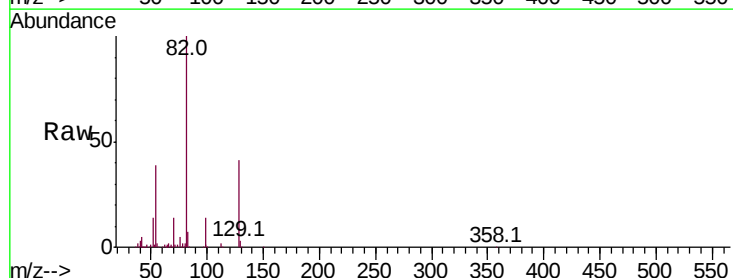
Ion Ratio Lower Upper

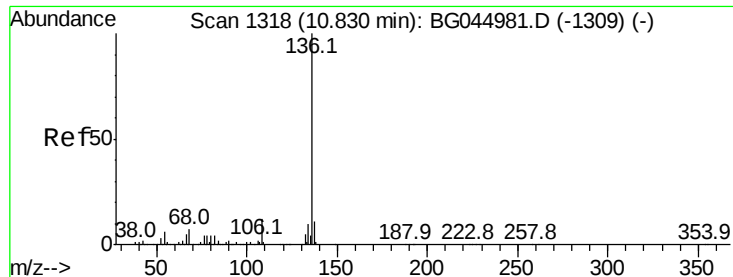
70 100

42 39.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.8 15.8 23.6#

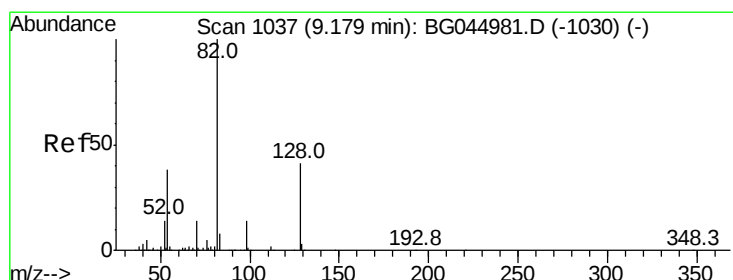
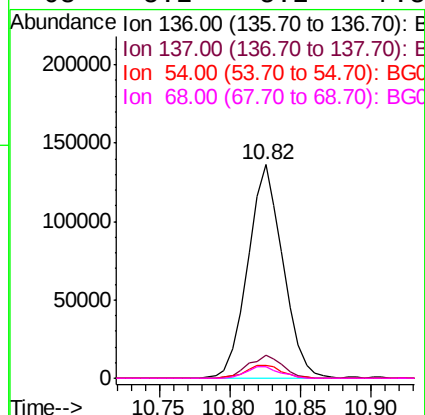
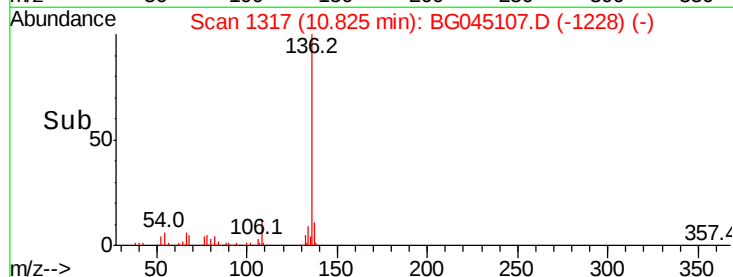
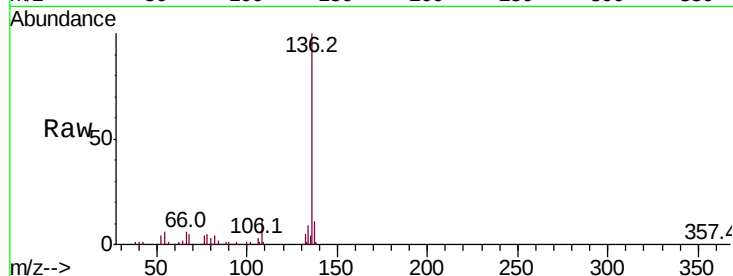




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045107.D
Acq: 21 Apr 2020 11:58

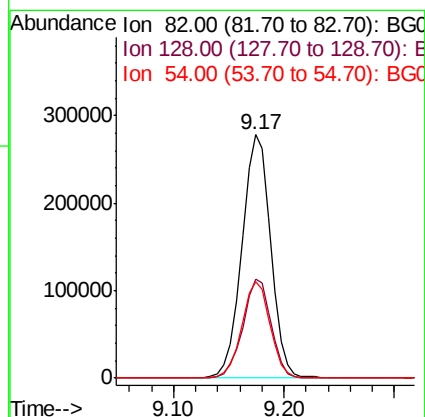
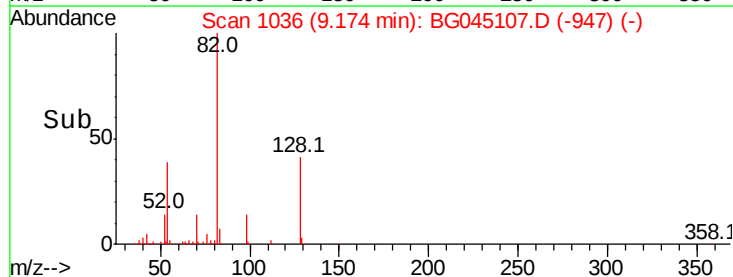
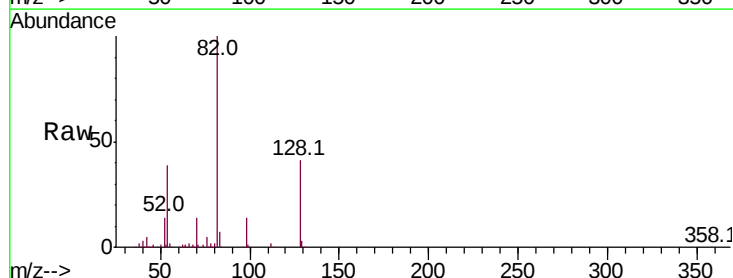
Instrument :
BNA_G
ClientSampleId :
PB128352BL

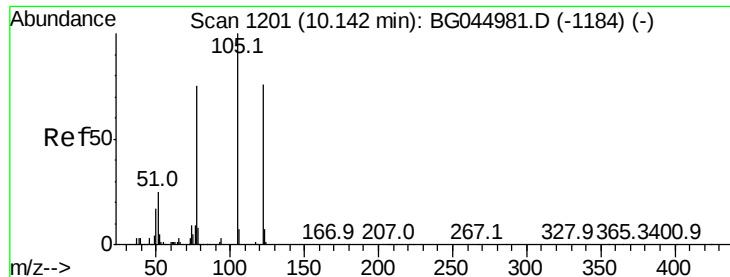
Tot Ion:136	Resp:	236787
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 5.9	4.8	7.2
68 5.2	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 98.120 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045107.D
Acq: 21 Apr 2020 11:58

Tgt Ion: 82	Resp: 509188
Ion Ratio	Lower Upper
82 100	
128 40.6	33.0 49.4
54 39.4	30.4 45.6

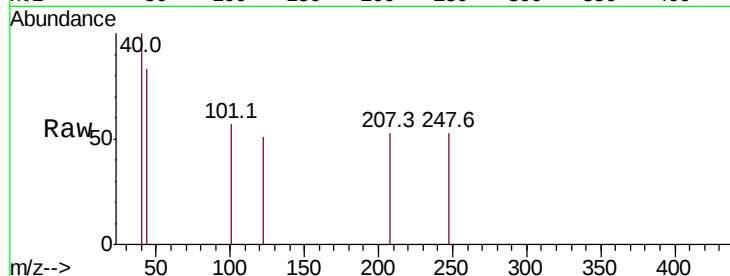




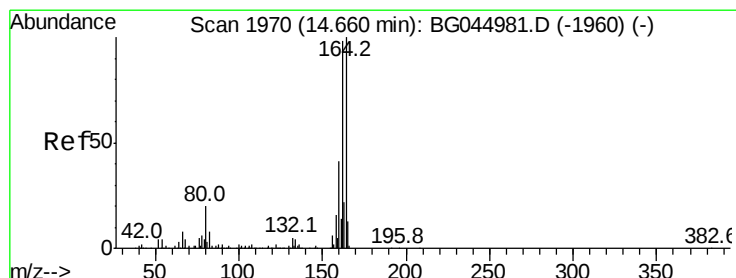
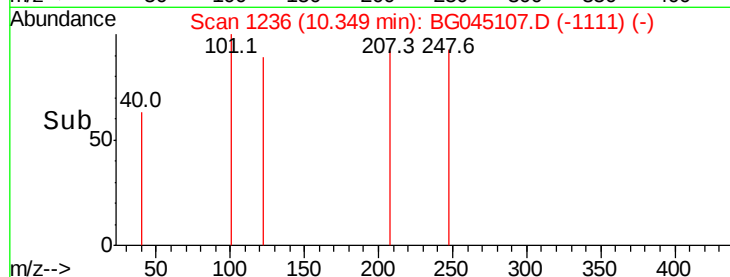
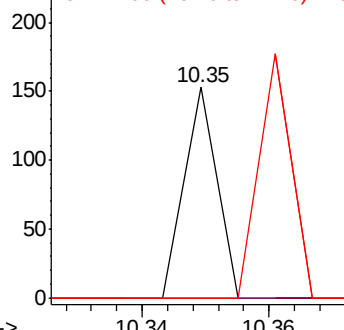
#32
Benzoic acid
Concen: 6.390 ng
RT: 10.35 min Scan# 1236
Delta R.T. 0.21 min
Lab File: BG045107.D
Acq: 21 Apr 2020 11:58

Instrument :
BNA_G
ClientSampleId :
PB128352BL

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

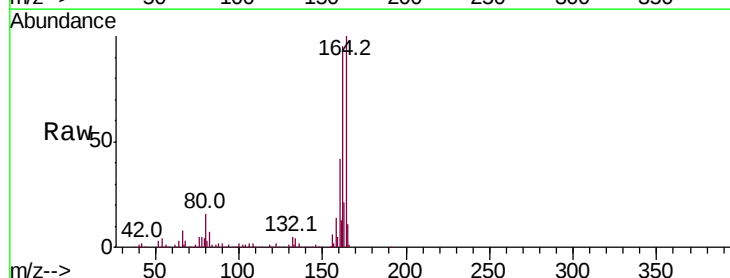


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

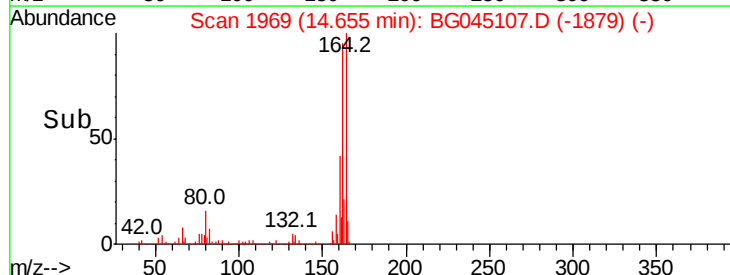
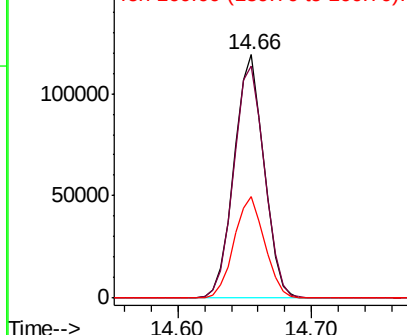


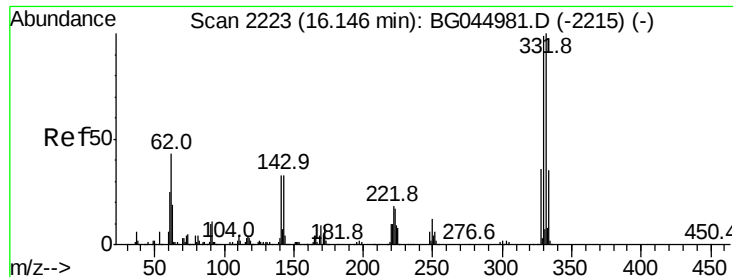
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045107.D
Acq: 21 Apr 2020 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.4	78.7	118.1
160	41.6	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

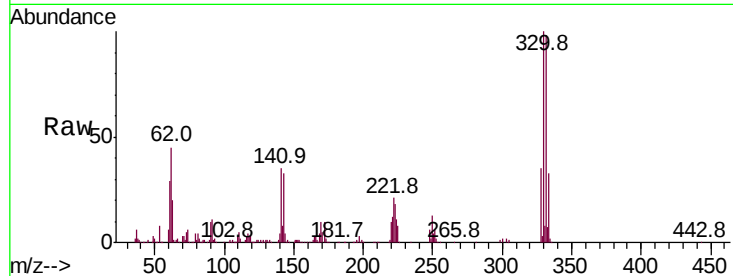




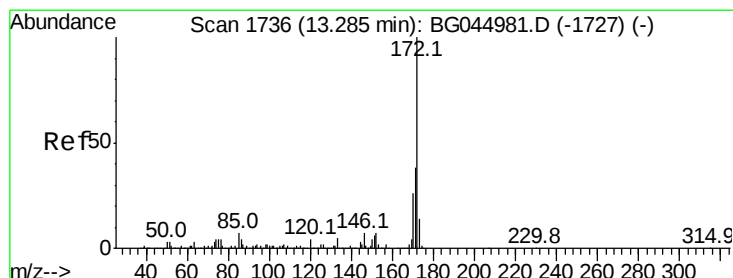
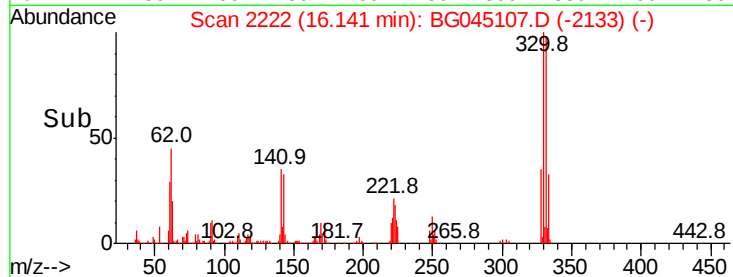
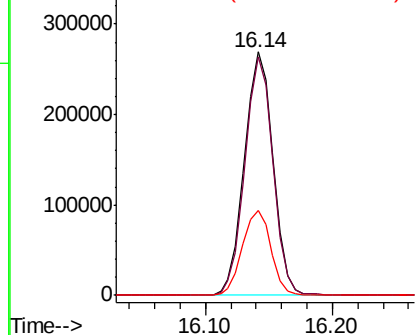
#42
 2,4,6-Tribromophenol
 Concen: 148.426 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG045107.D
 Acq: 21 Apr 2020 11:58

Instrument :
 BNA_G
 ClientSampleId :
 PB128352BL

Tot Ion:330 Resp: 423003
 Ion Ratio Lower Upper
 330 100
 332 96.2 79.1 118.7
 141 34.8 27.1 40.7

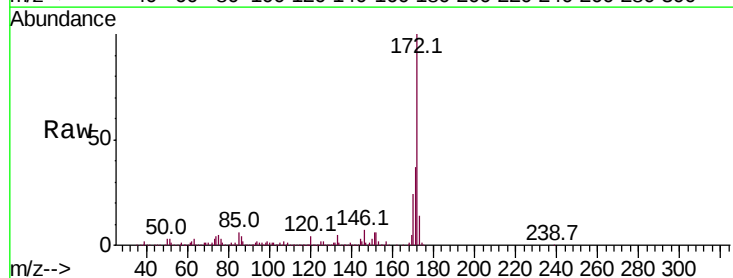


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

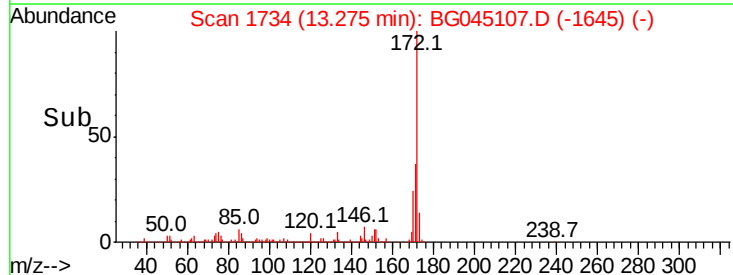
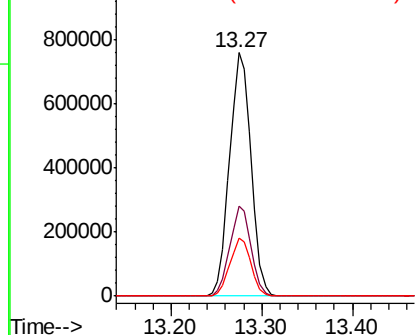


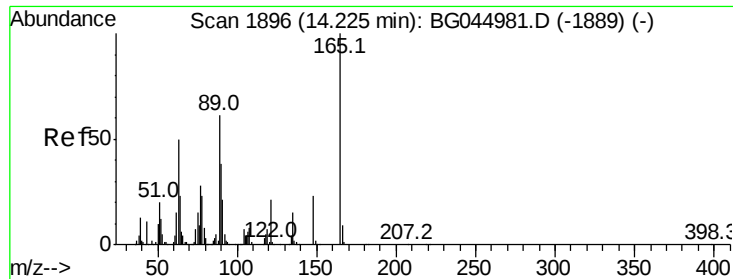
#45
 2-Fluorobiphenyl
 Concen: 99.378 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG045107.D
 Acq: 21 Apr 2020 11:58

Tgt Ion:172 Resp: 1250277
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.6 46.0
 170 24.0 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





#51

2,6-Dinitrotoluene

Concen: 6.905 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

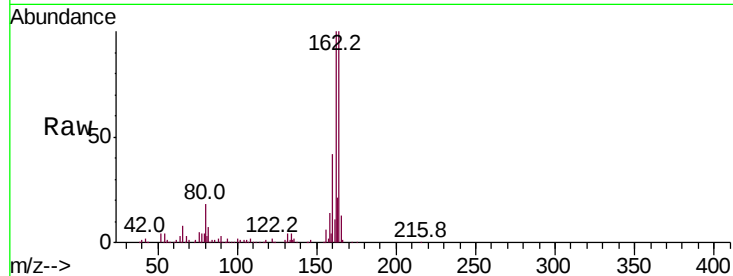
Tot Ion:165 Resp: 23199

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

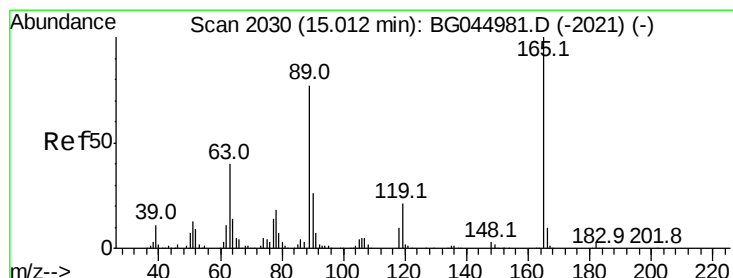
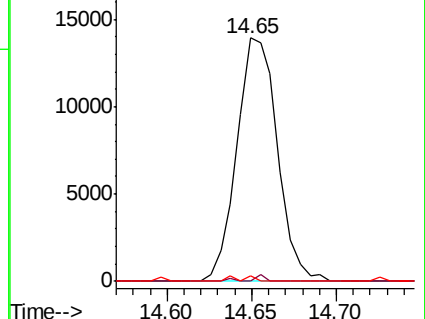
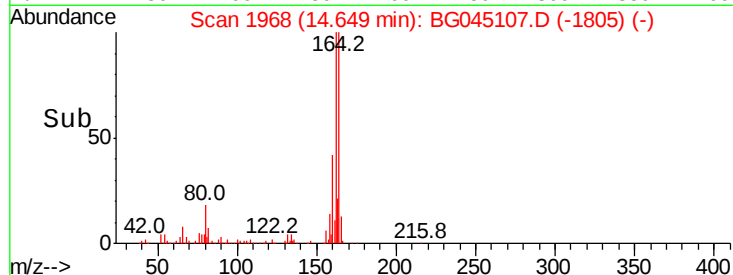
89 2.3 49.1 73.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.725 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Tgt Ion:165 Resp: 23199

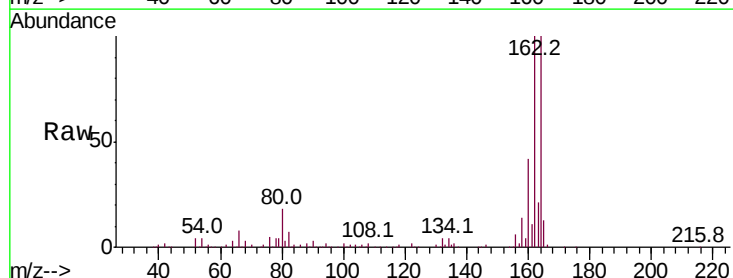
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.3 61.7 92.5#

182 0.0 2.0 3.0#

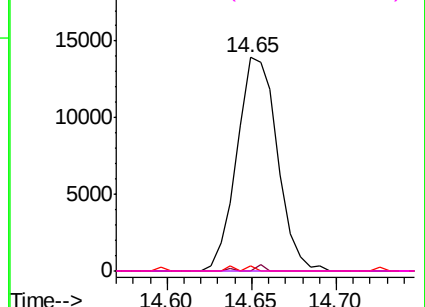
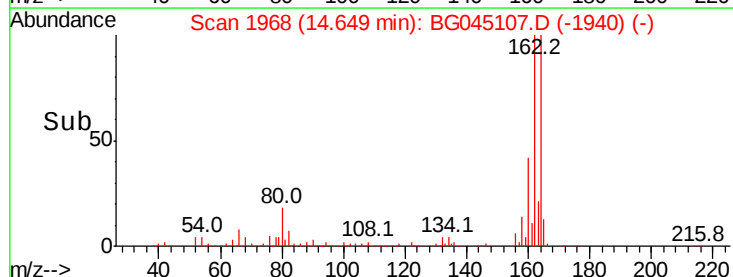


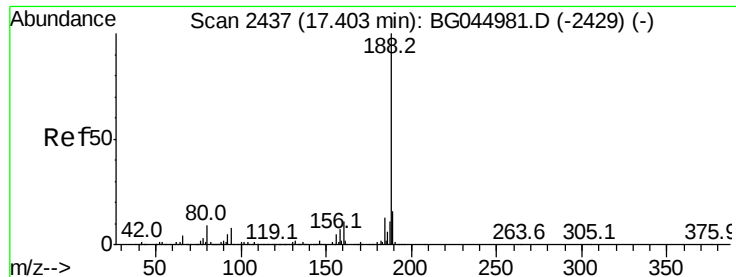
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

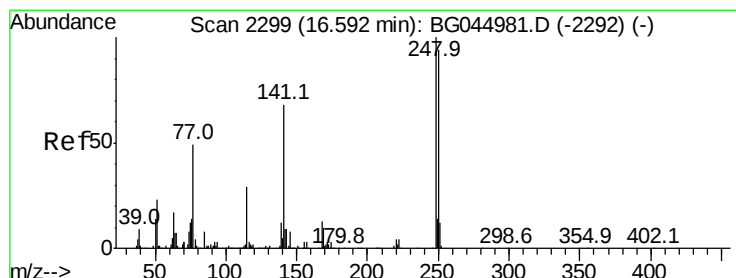
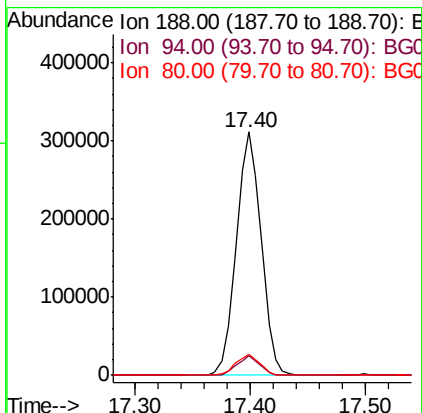
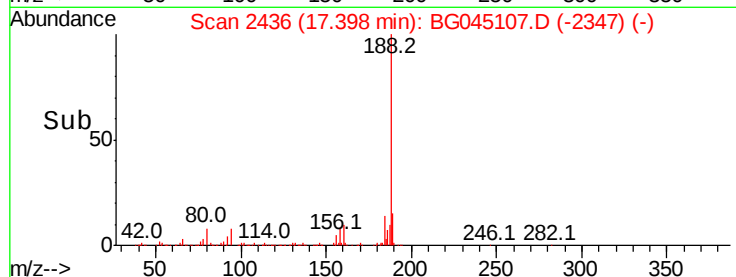
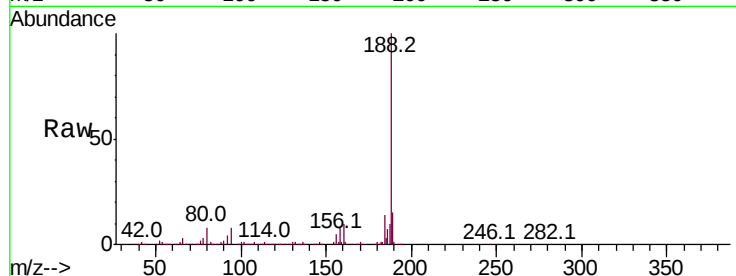
Tot Ion:188 Resp: 463914

Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.4

80 8.4 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 4.545 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

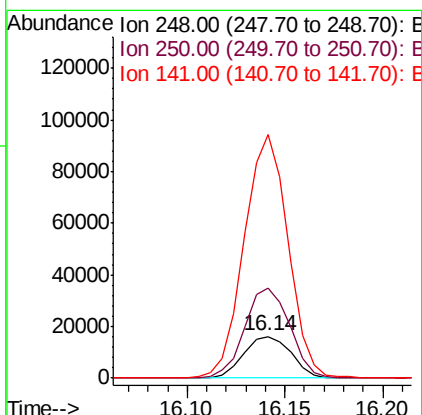
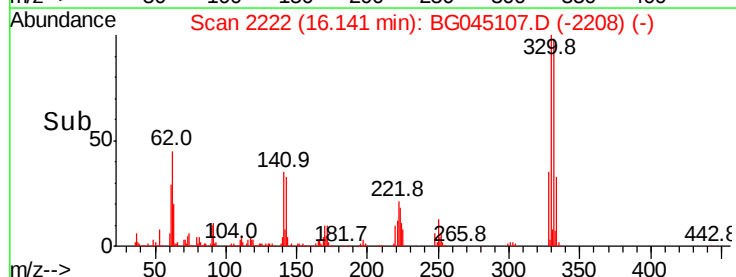
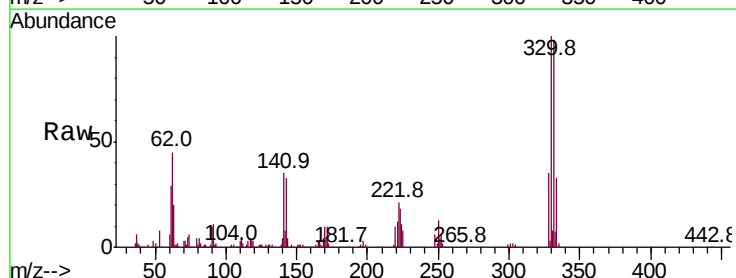
Tgt Ion:248 Resp: 27200

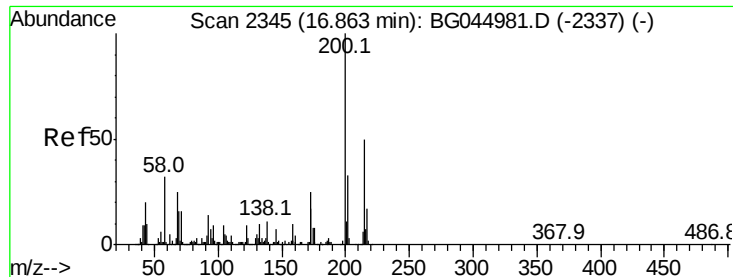
Ion Ratio Lower Upper

248 100

250 217.4 75.4 113.2#

141 585.6 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 17.15 min Scan# 2393

Delta R.T. 0.29 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

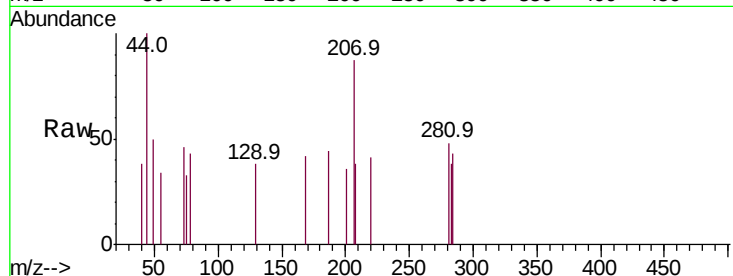
Tot Ion:200 Resp: 58

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

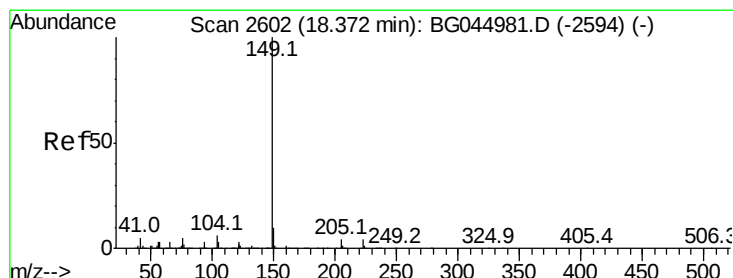
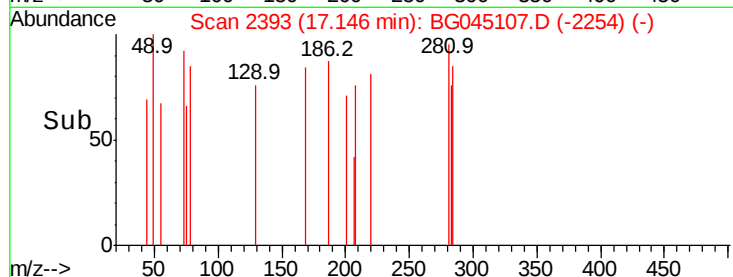
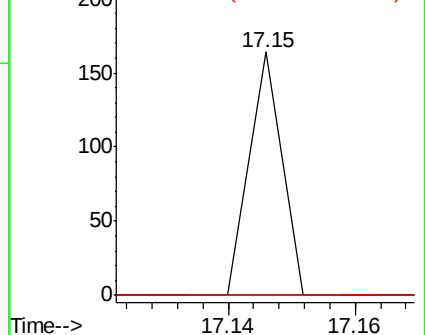
215 0.0 30.0 70.0#



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# 2601

Delta R.T. -0.00 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

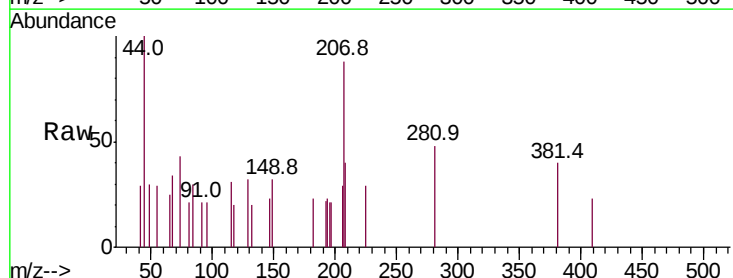
Tgt Ion:149 Resp: 143

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

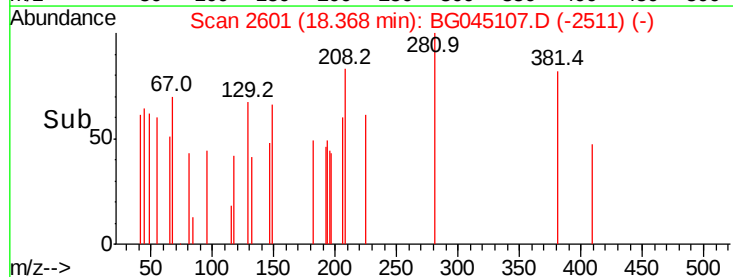
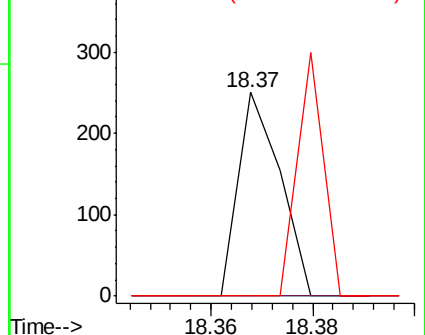
104 0.0 4.8 7.2#

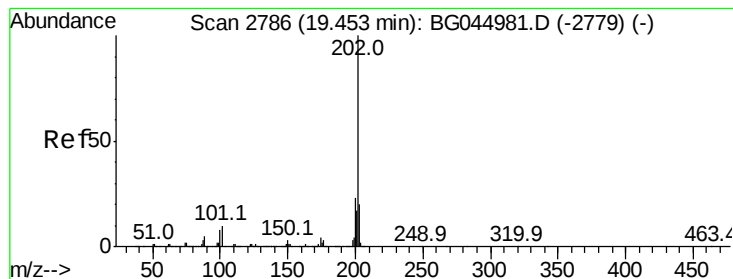


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.47 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

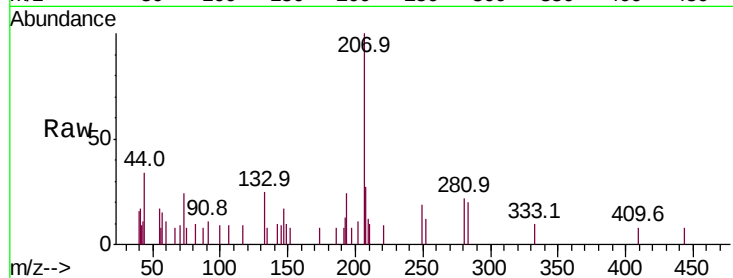
Tot Ion:202 Resp: 75

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

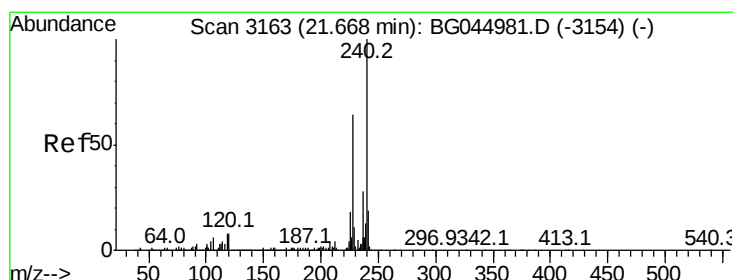
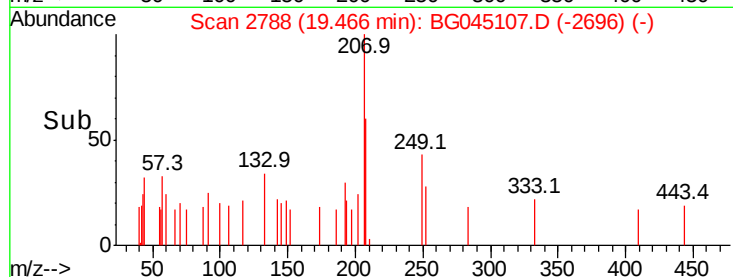
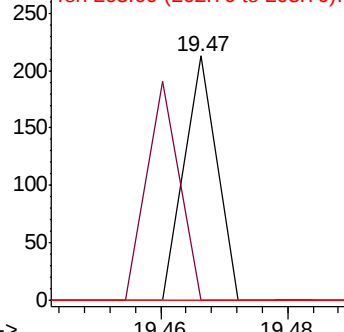
203 0.0 0.0 39.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

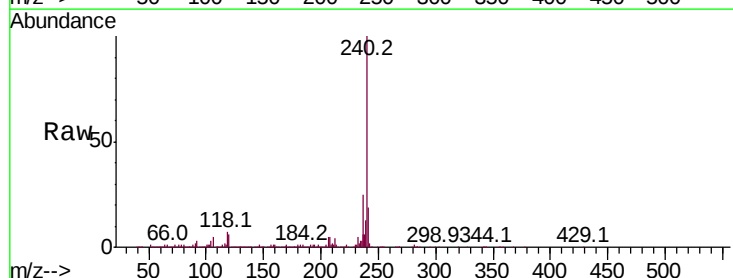
Tgt Ion:240 Resp: 484372

Ion Ratio Lower Upper

240 100

120 6.3 6.6 10.0#

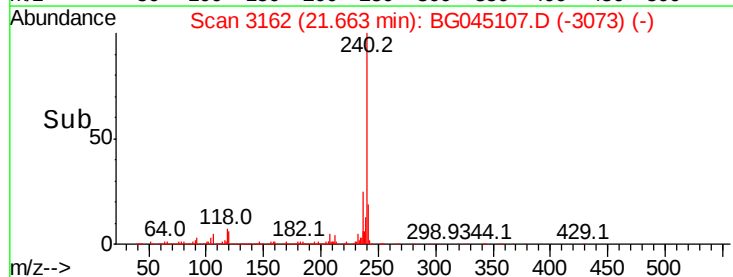
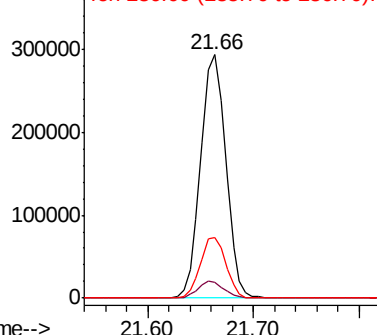
236 25.1 22.2 33.2

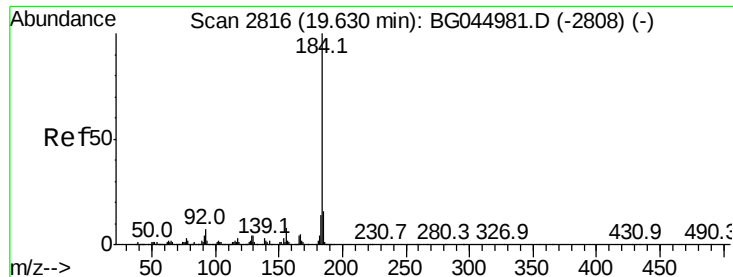


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

Instrument :

BNA_G

ClientSampleId :

PB128352BL

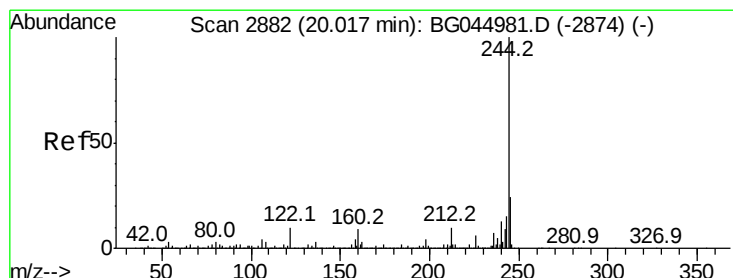
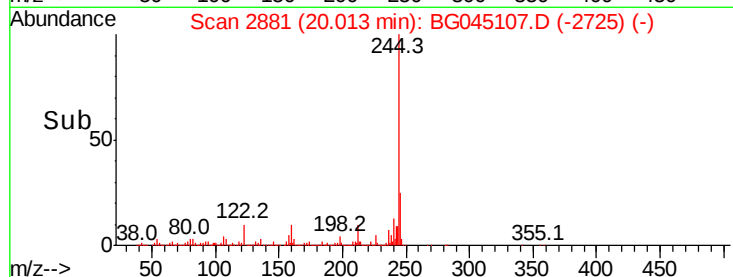
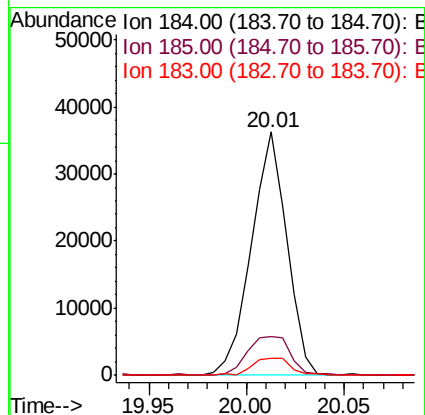
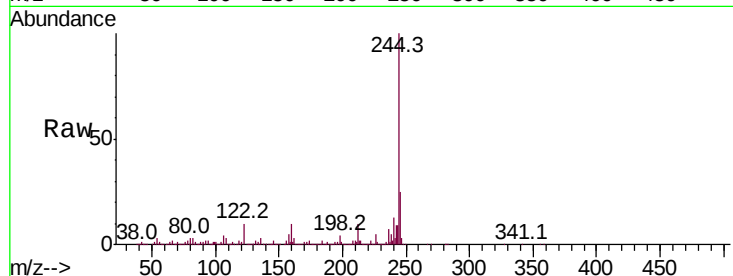
Tot Ion:184 Resp: 45622

Ion Ratio Lower Upper

184 100

185 16.1 12.6 19.0

183 6.9 11.3 16.9#



#79

Terphenyl-d14

Concen: 104.002 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045107.D

Acq: 21 Apr 2020 11:58

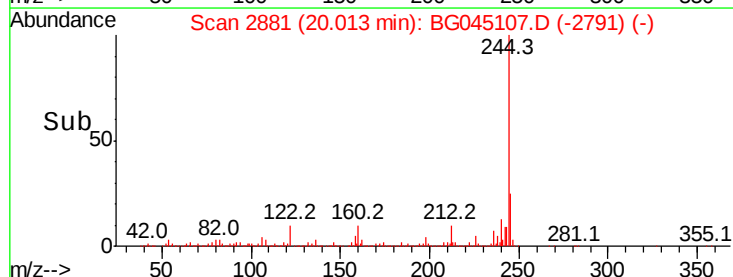
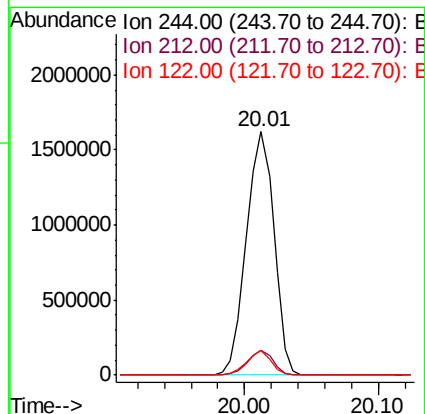
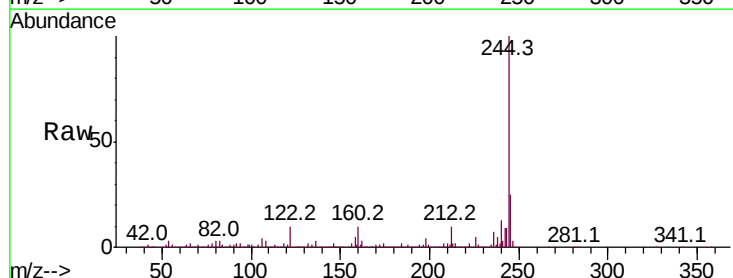
Tgt Ion:244 Resp: 2311279

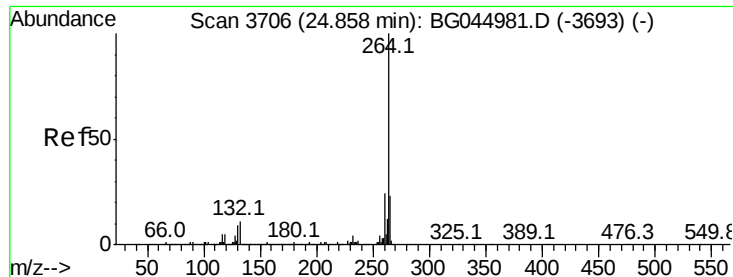
Ion Ratio Lower Upper

244 100

212 10.4 7.9 11.9

122 9.9 7.7 11.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG045107.D
 Acq: 21 Apr 2020 11:58

Instrument :
 BNA_G
 ClientSampleId :
 PB128352BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	19.0	28.4

