

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\
 Data File : BG045209.D
 Acq On : 29 Apr 2020 17:39
 Operator : CG/JU
 Sample : PB128554TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128554TB

Quant Time: Apr 29 19:00:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	61156	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	248736	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	196724	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	458323	20.00	ng	0.00
76) Chrysene-d12	21.64	240	447186	20.00	ng	0.00
87) Perylene-d12	24.81	264	477017	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	505944	136.58	ng	0.00
7) Phenol-d6	7.15	99	736874	133.89	ng	0.00
23) Nitrobenzene-d5	9.14	82	523569	96.04	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	429842	141.44	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1284685	95.76	ng	0.00
79) Terphenyl-d14	20.00	244	2146146	104.60	ng	0.00

Target Compounds

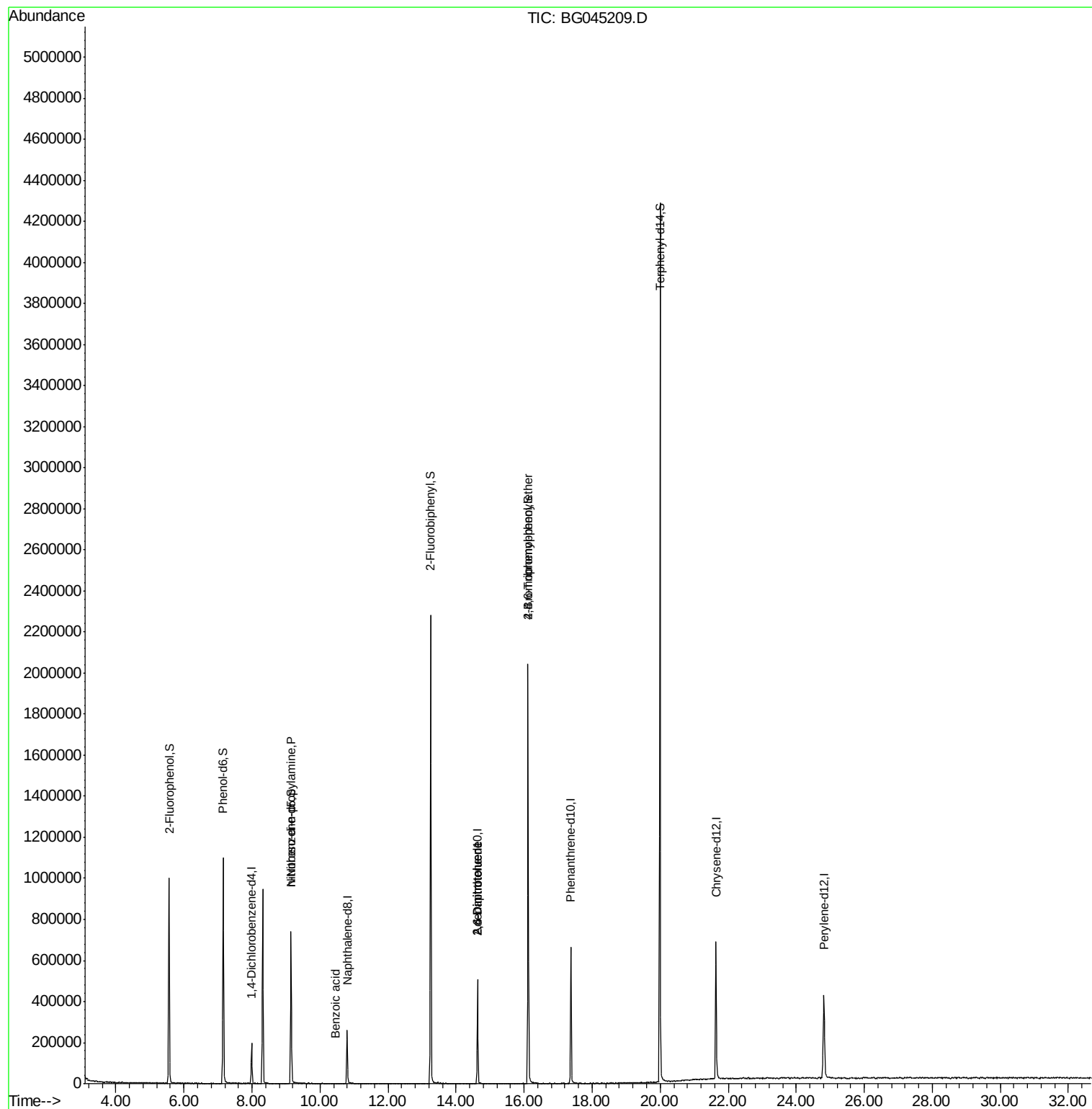
						Qvalue
9) Benzaldehyde	7.14	77	890	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	70318	18.066 ng	#	79
32) Benzoic acid	10.45	122	57	6.390 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	24600	6.866 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	24600	4.698 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	29845	5.048 ng	#	1
69) Atrazine	16.81	200	83	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	185	Below Cal	#	76
75) Fluoranthene	19.57	202	58	Below Cal	#	62
77) Benzidine	20.00	184	41882	Below Cal	#	91

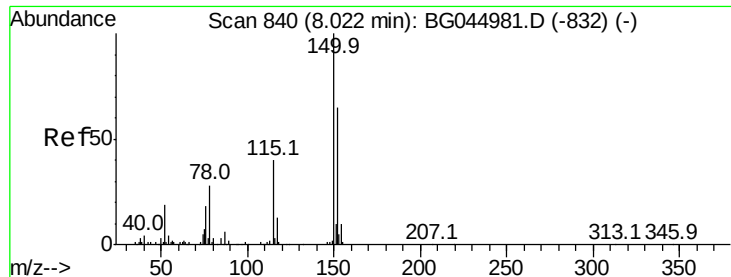
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

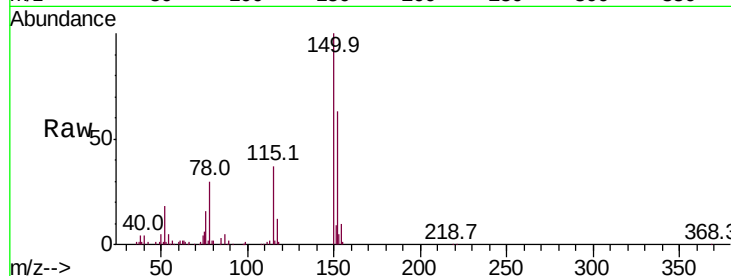
Tot Ion:152 Resp: 61156

Ion Ratio Lower Upper

152 100

150 158.1 123.6 185.4

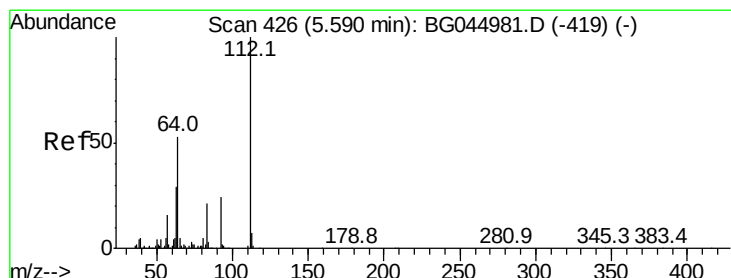
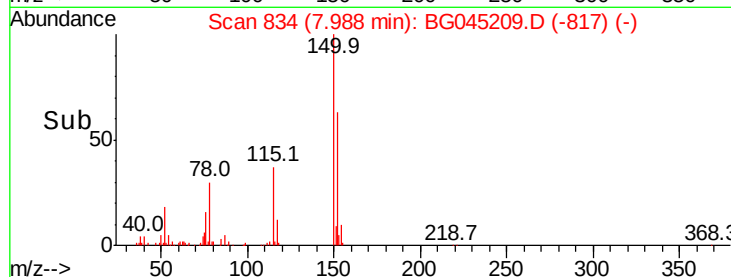
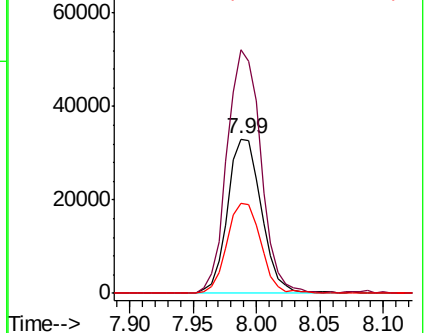
115 58.6 49.1 73.7



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: 136.583 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

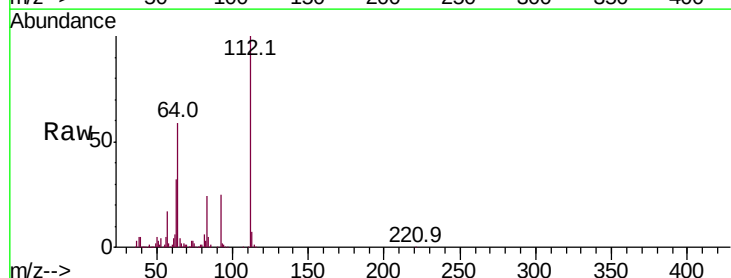
Tgt Ion:112 Resp: 505944

Ion Ratio Lower Upper

112 100

64 58.9 42.4 63.6

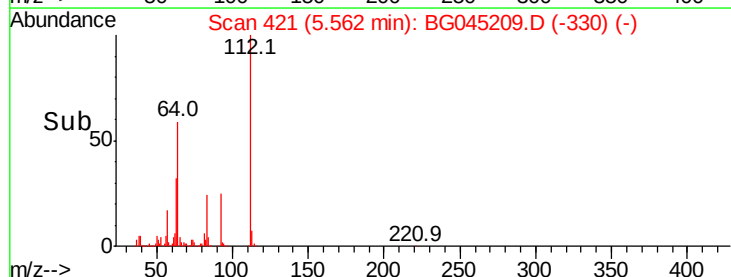
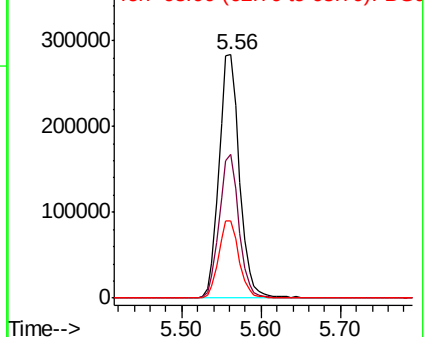
63 31.9 23.1 34.7

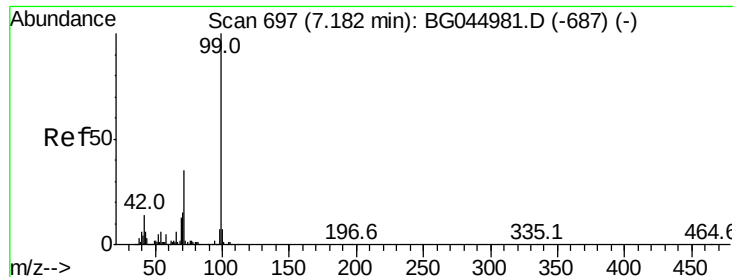


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 133.888 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

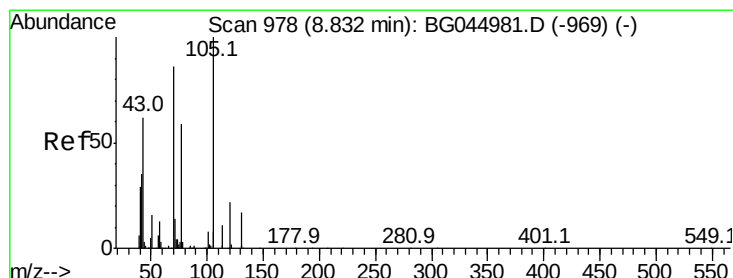
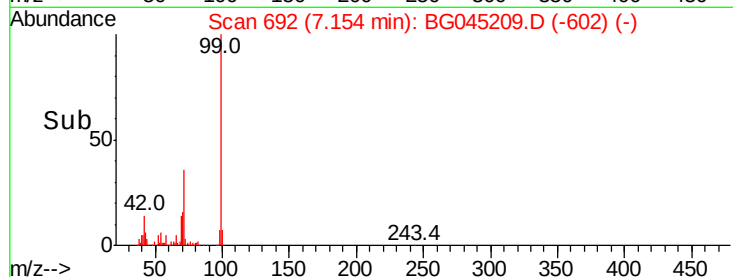
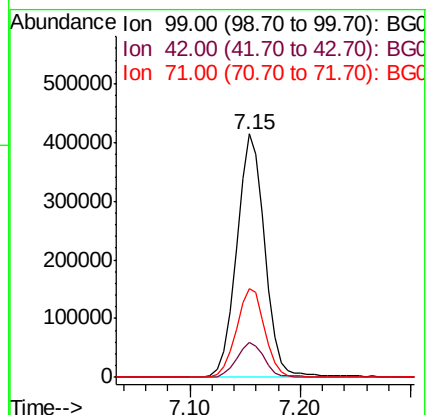
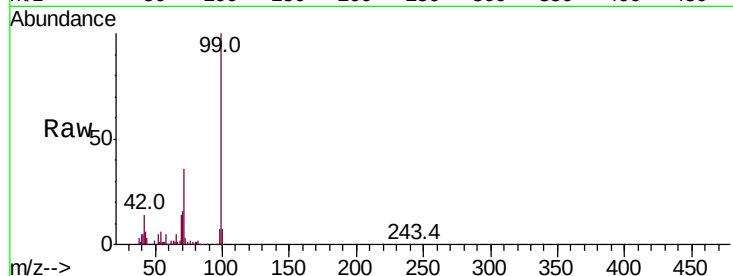
Tot Ion: 99 Resp: 736874

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 36.4 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.066 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Tgt Ion: 70 Resp: 70318

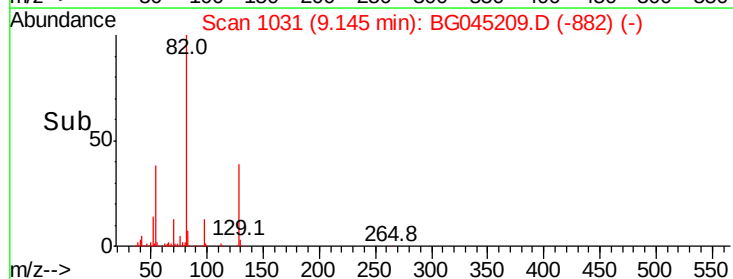
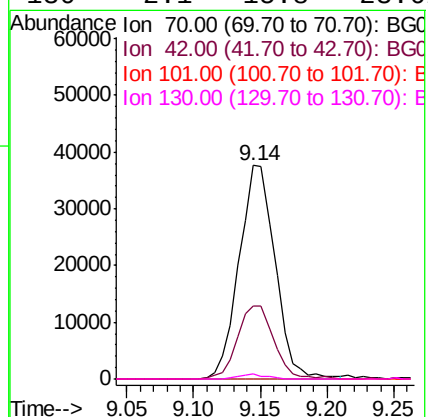
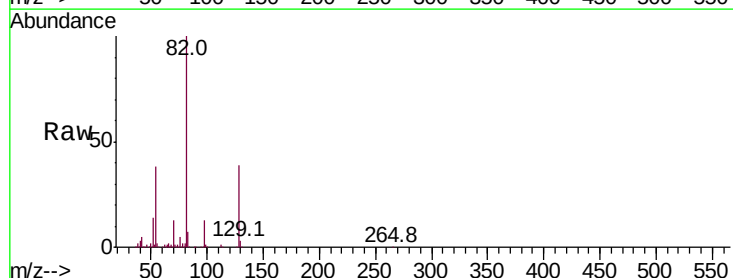
Ion Ratio Lower Upper

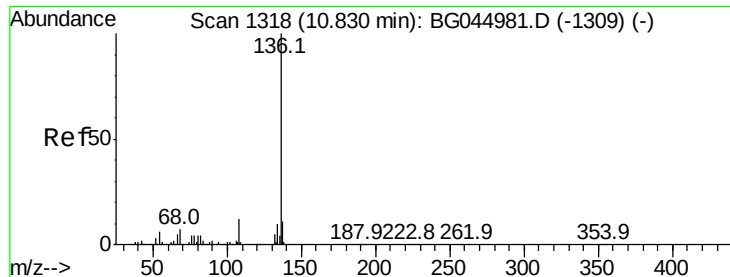
70 100

42 34.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

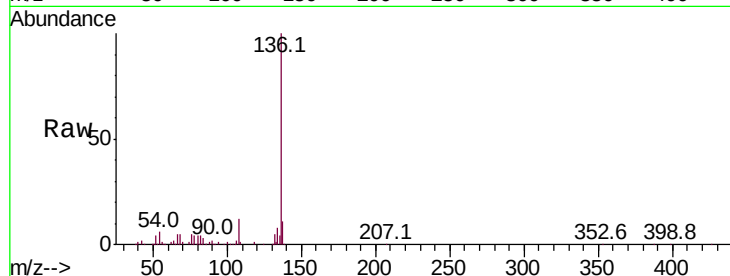




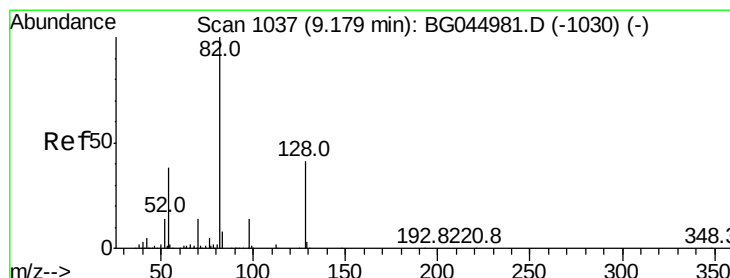
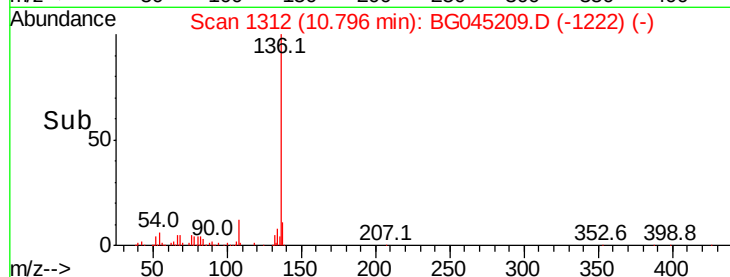
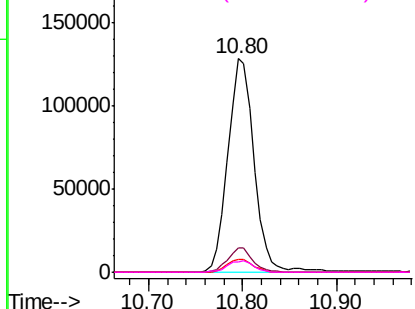
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045209.D
Acq: 29 Apr 2020 17:39

Instrument :
BNA_G
ClientSampleId :
PB128554TB

Tot Ion:136	Resp:	248736
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.6	13.0
54 5.9	4.8	7.2
68 4.9	5.2	7.8#

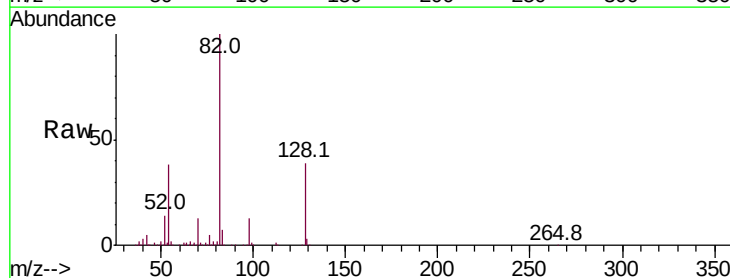


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

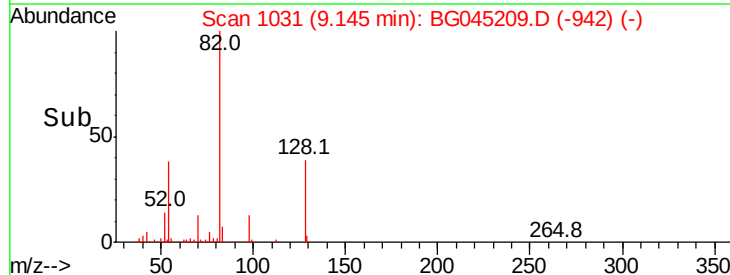
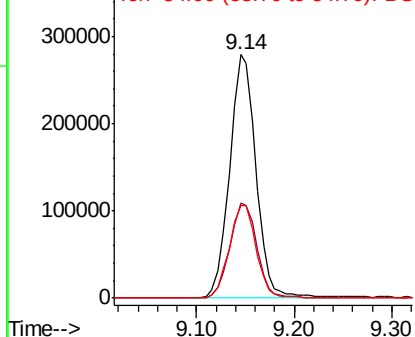


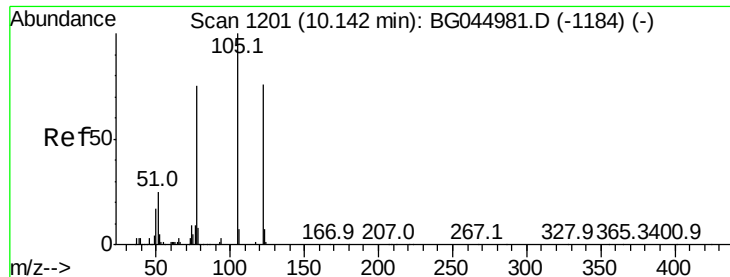
#23
Nitrobenzene-d5
Concen: 96.045 ng
RT: 9.14 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BG045209.D
Acq: 29 Apr 2020 17:39

Tgt	Ion: 82	Resp:	523569
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.0	49.4
54	38.0	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: 6.390 ng

RT: 10.45 min Scan# 1253

Delta R.T. 0.32 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

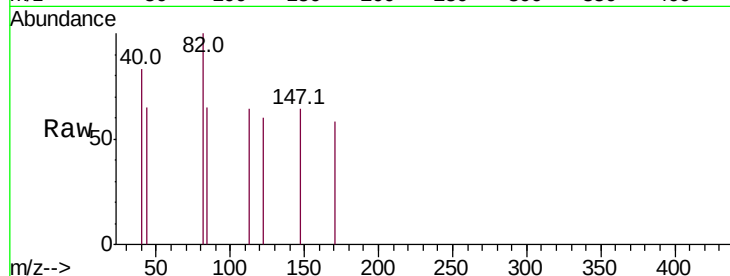
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#



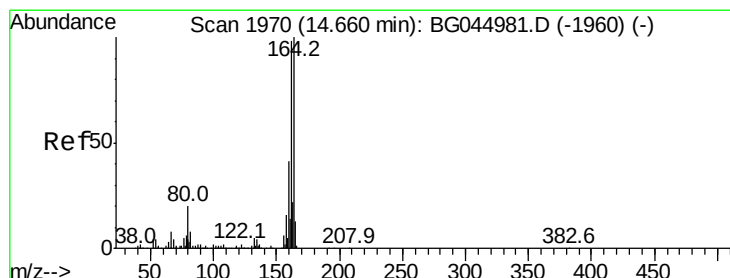
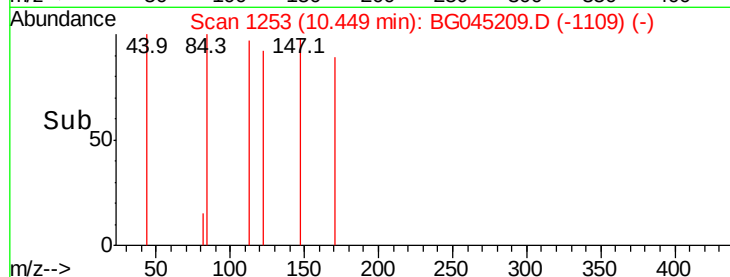
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.45

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

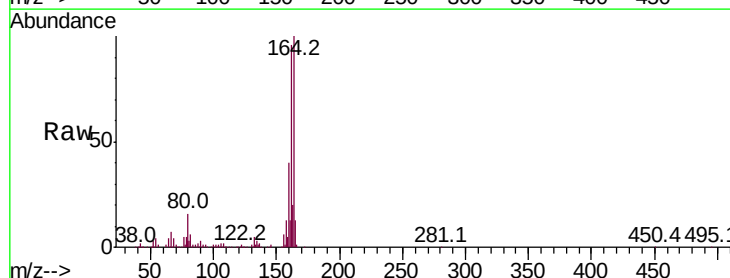
Tgt Ion:164 Resp: 196724

Ion Ratio Lower Upper

164 100

162 96.4 78.7 118.1

160 39.9 32.8 49.2



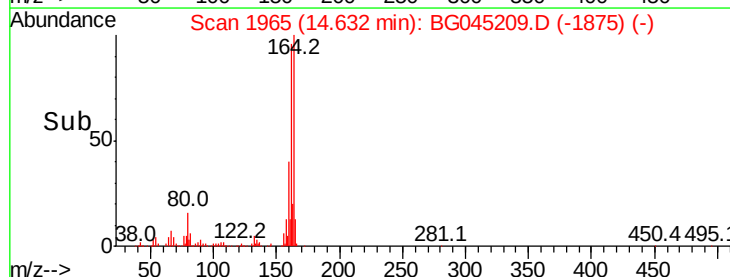
Abundance Ion 164.00 (163.70 to 164.70): E

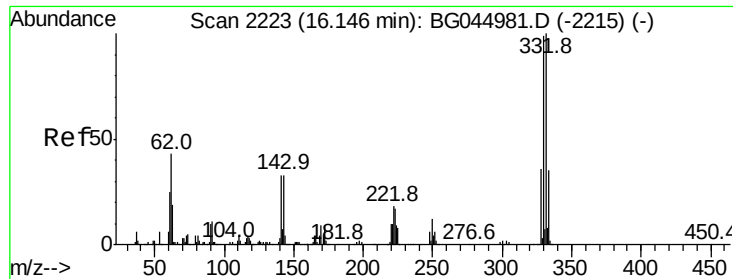
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.63

Time-->

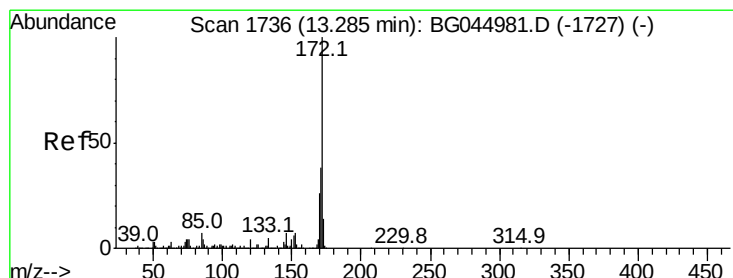
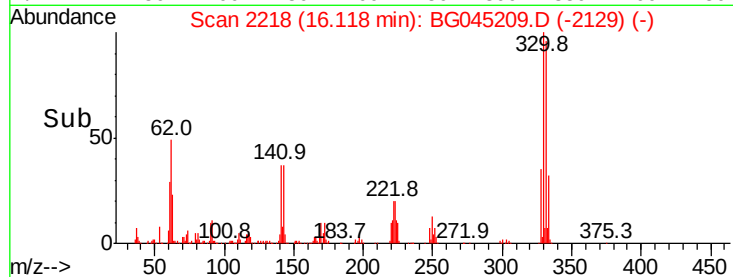
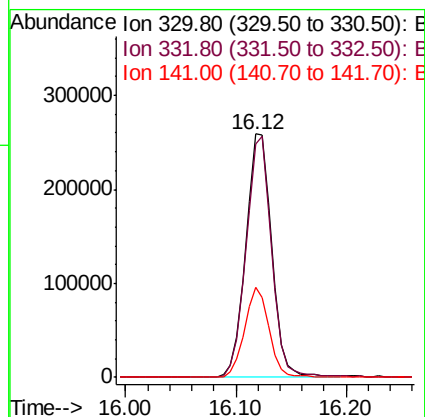
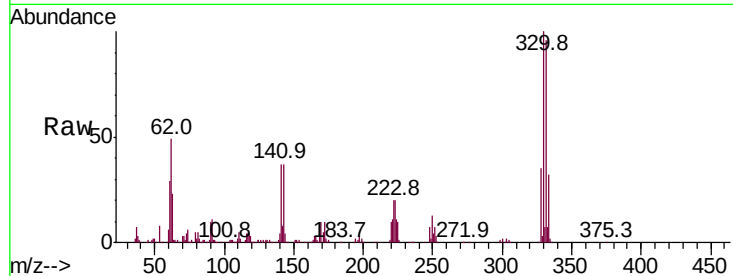




#42
 2,4,6-Tribromophenol
 Concen: 141.436 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG045209.D
 Acq: 29 Apr 2020 17:39

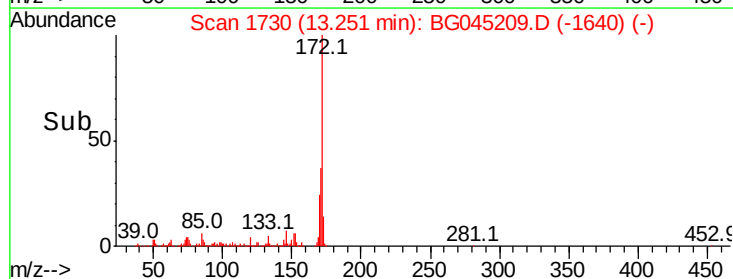
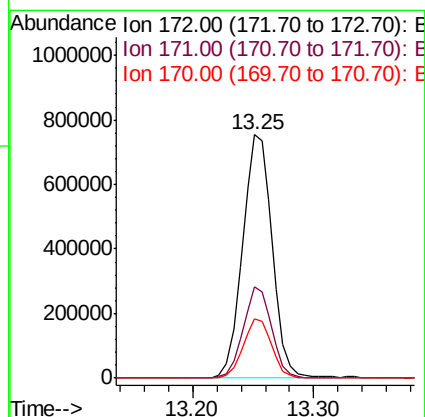
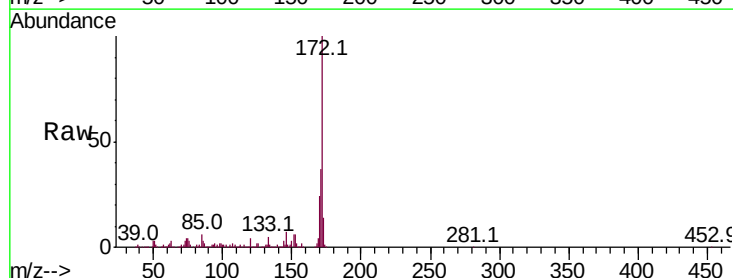
Instrument :
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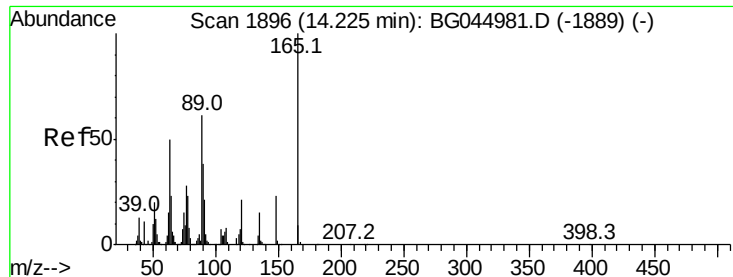
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.1	118.7
141	34.9	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 95.756 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045209.D
 Acq: 29 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.6	46.0
170	24.3	20.5	30.7

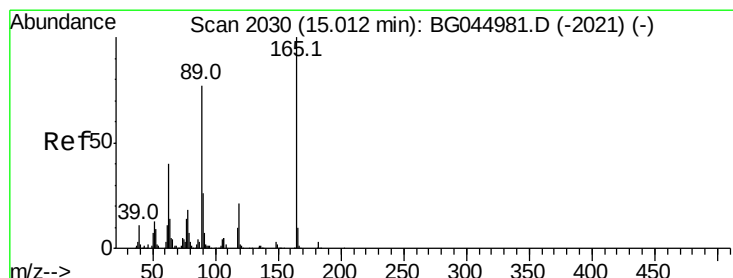
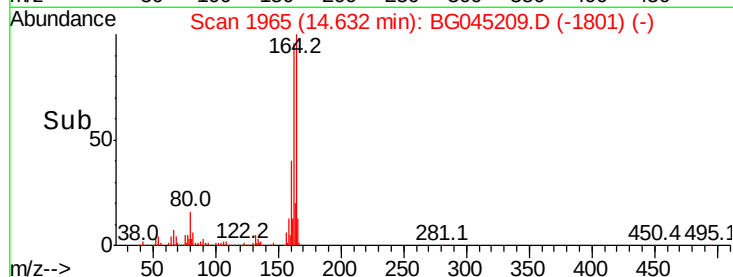
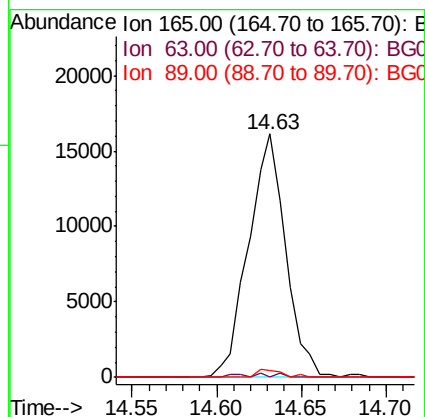
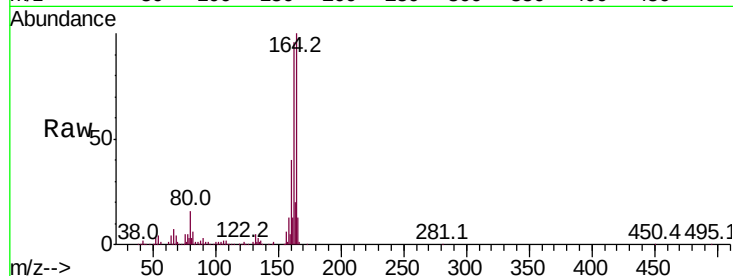




#51
 2,6-Dinitrotoluene
 Concen: 6.866 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG045209.D
 Acq: 29 Apr 2020 17:39

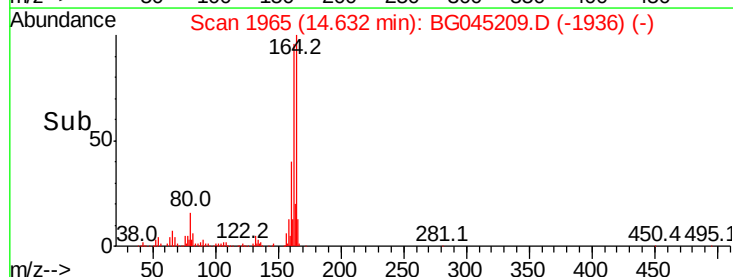
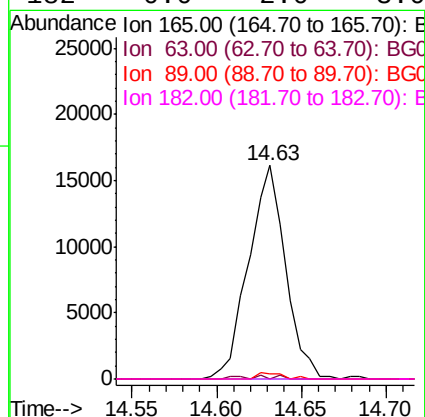
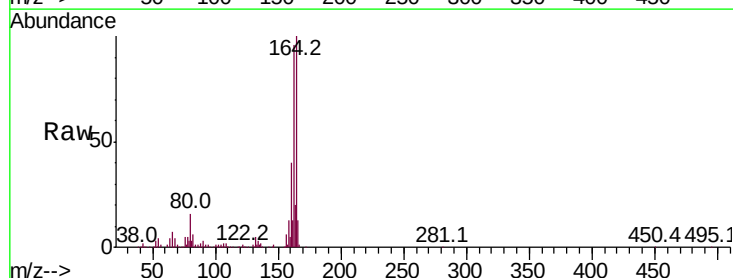
Instrument :
 BNA_G
 ClientSampleId :
 PB128554TB

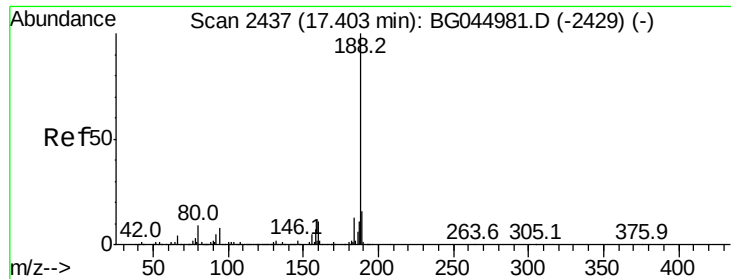
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.7	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.698 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.36 min
 Lab File: BG045209.D
 Acq: 29 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	2.7	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

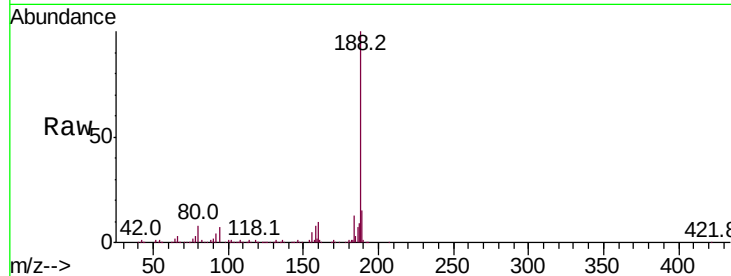
Tot Ion:188 Resp: 458323

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

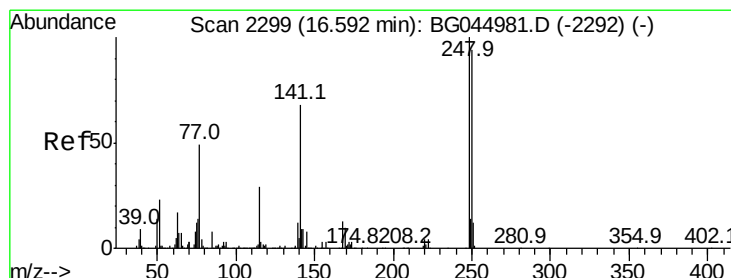
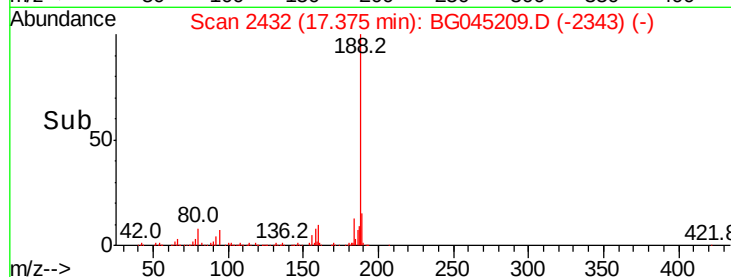
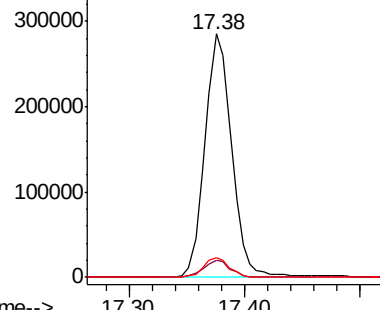
80 8.2 7.0 10.6



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: 5.048 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

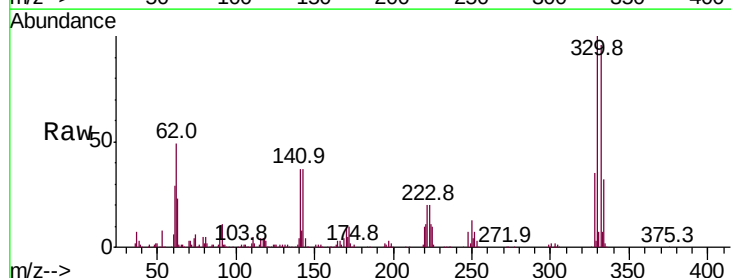
Tgt Ion:248 Resp: 29845

Ion Ratio Lower Upper

248 100

250 184.7 75.4 113.2#

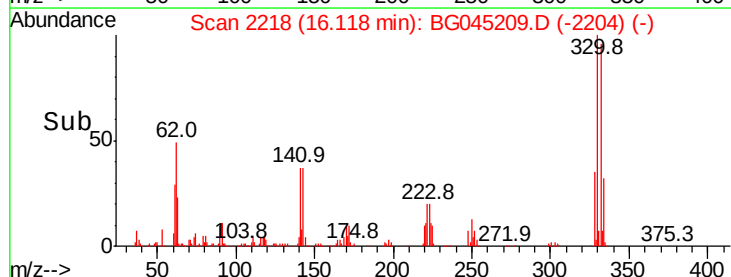
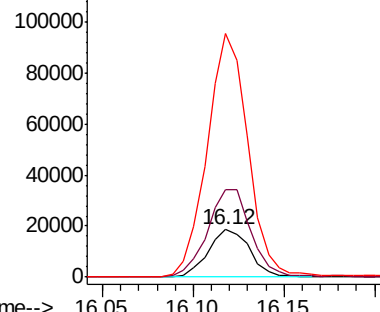
141 513.5 54.4 81.6#

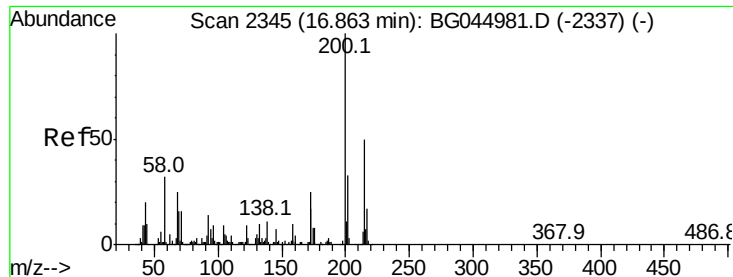


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.81 min Scan# 2335

Delta R.T. -0.03 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

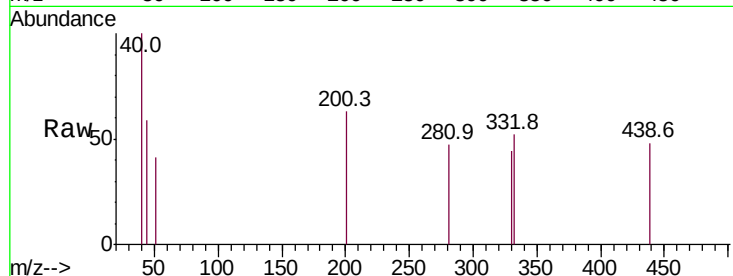
Tot Ion:200 Resp: 83

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

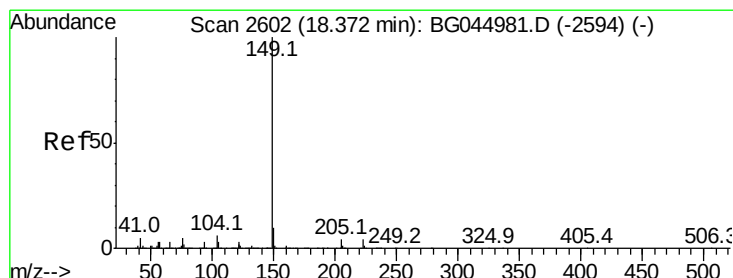
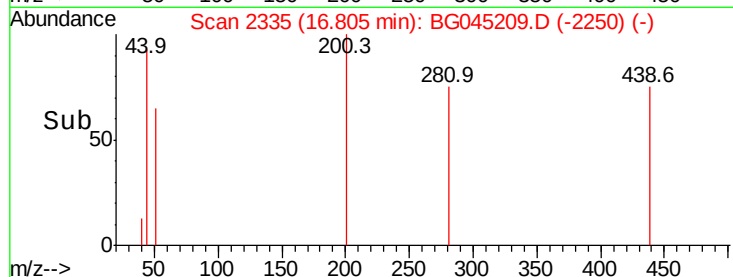
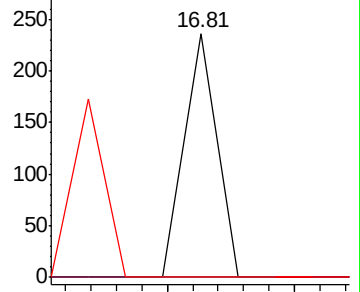
215 0.0 30.0 70.0#



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: 18.35 min Scan# 2598

Delta R.T. 0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

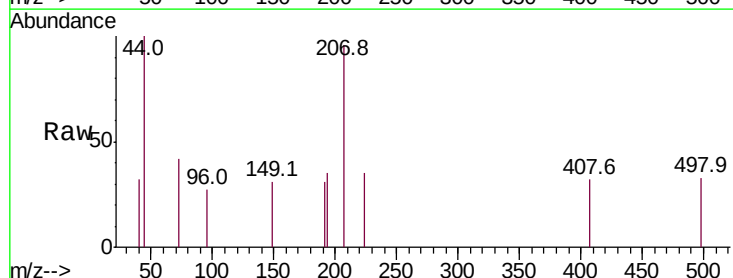
Tgt Ion:149 Resp: 185

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

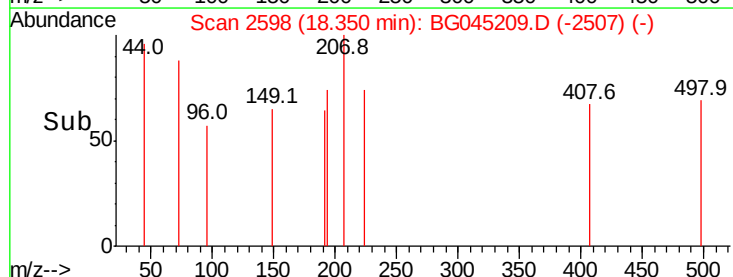
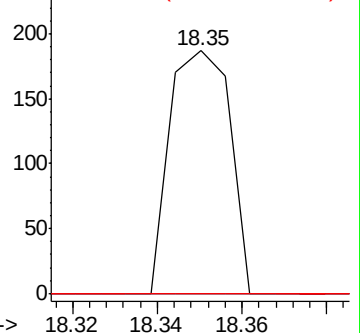
104 0.0 4.8 7.2#

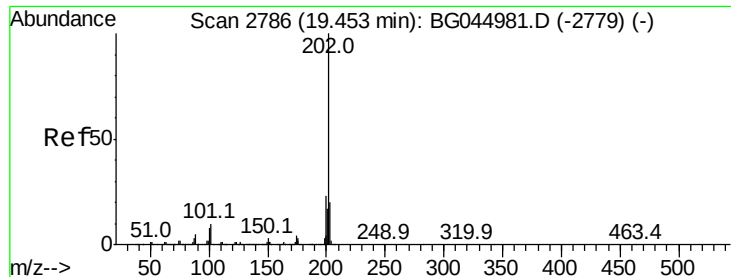


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.57 min Scan# 2806

Delta R.T. 0.14 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

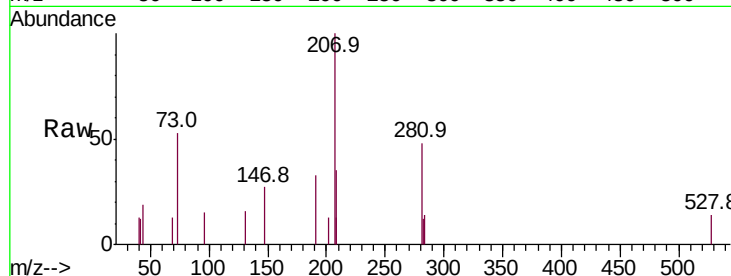
Tot Ion:202 Resp: 58

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

19.57

150

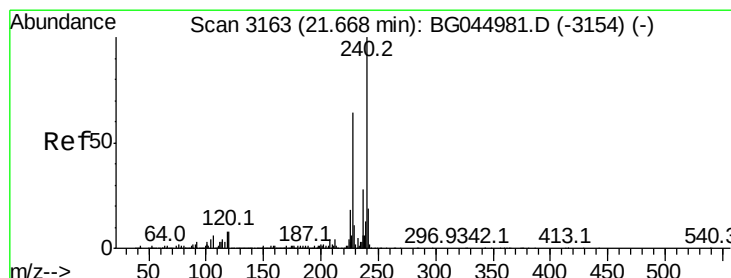
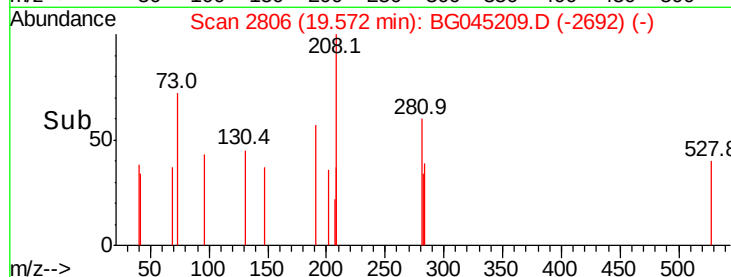
100

50

0

19.56 19.58

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

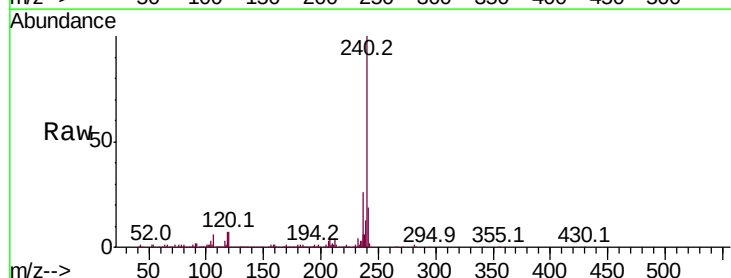
Tgt Ion:240 Resp: 447186

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

236 25.9 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

21.64

300000

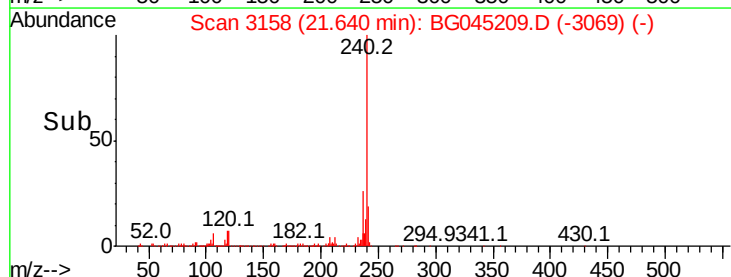
200000

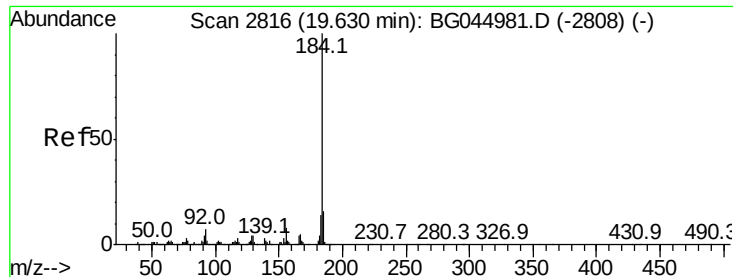
100000

0

21.60 21.70

Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

Instrument :

BNA_G

ClientSampleId :

PB128554TB

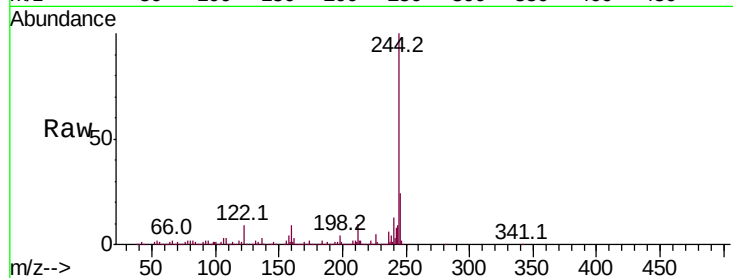
Tot Ion:184 Resp: 41882

Ion Ratio Lower Upper

184 100

185 14.7 12.6 19.0

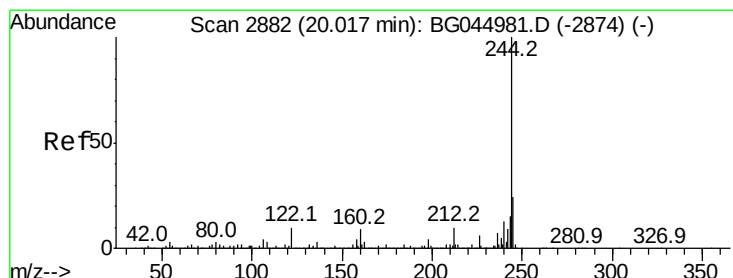
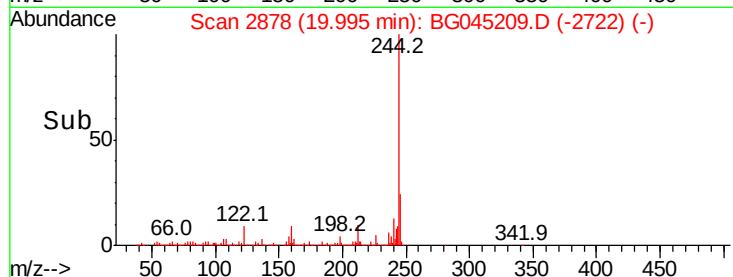
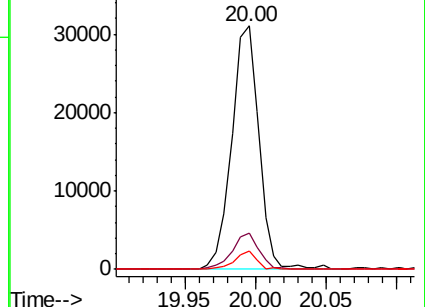
183 7.7 11.3 16.9#



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: 104.602 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045209.D

Acq: 29 Apr 2020 17:39

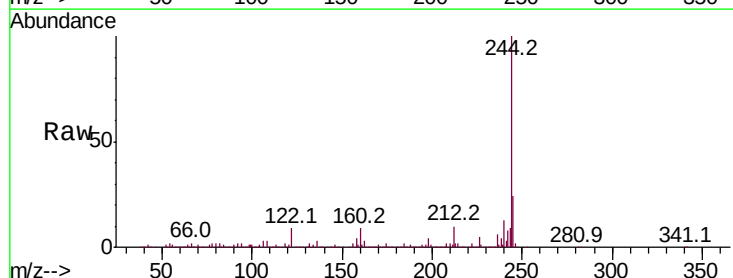
Tgt Ion:244 Resp: 2146146

Ion Ratio Lower Upper

244 100

212 10.0 7.9 11.9

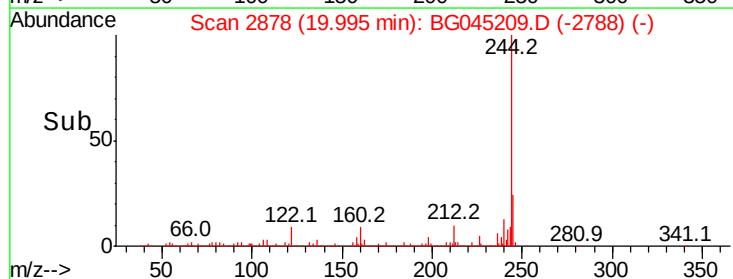
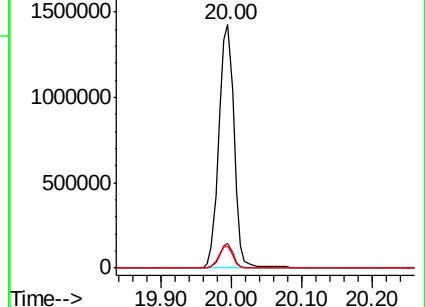
122 9.1 7.7 11.5

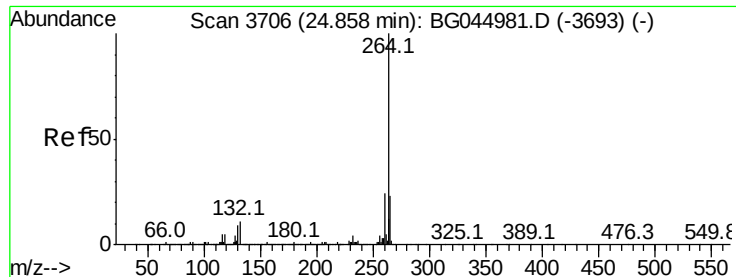


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.81 min Scan# 3698
Delta R.T. -0.01 min
Lab File: BG045209.D
Acq: 29 Apr 2020 17:39

Instrument :
BNA_G
ClientSampleId :
PB128554TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	23.6	19.0	28.4

