

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045067.D
 Acq On : 18 Apr 2020 15:03
 Operator : CG/JU
 Sample : L2283-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PA-1

Quant Time: Apr 20 00:17:09 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	58630	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	262919	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	201467	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	495025	20.00	ng	0.00
76) Chrysene-d12	21.66	240	456934	20.00	ng	0.00
87) Perylene-d12	24.85	264	491252	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	332214	93.55	ng	0.00
7) Phenol-d6	7.18	99	519431	98.45	ng	0.00
23) Nitrobenzene-d5	9.18	82	353822	61.40	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	315362	101.32	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	887376	64.59	ng	0.00
79) Terphenyl-d14	20.01	244	1488194	70.99	ng	0.00

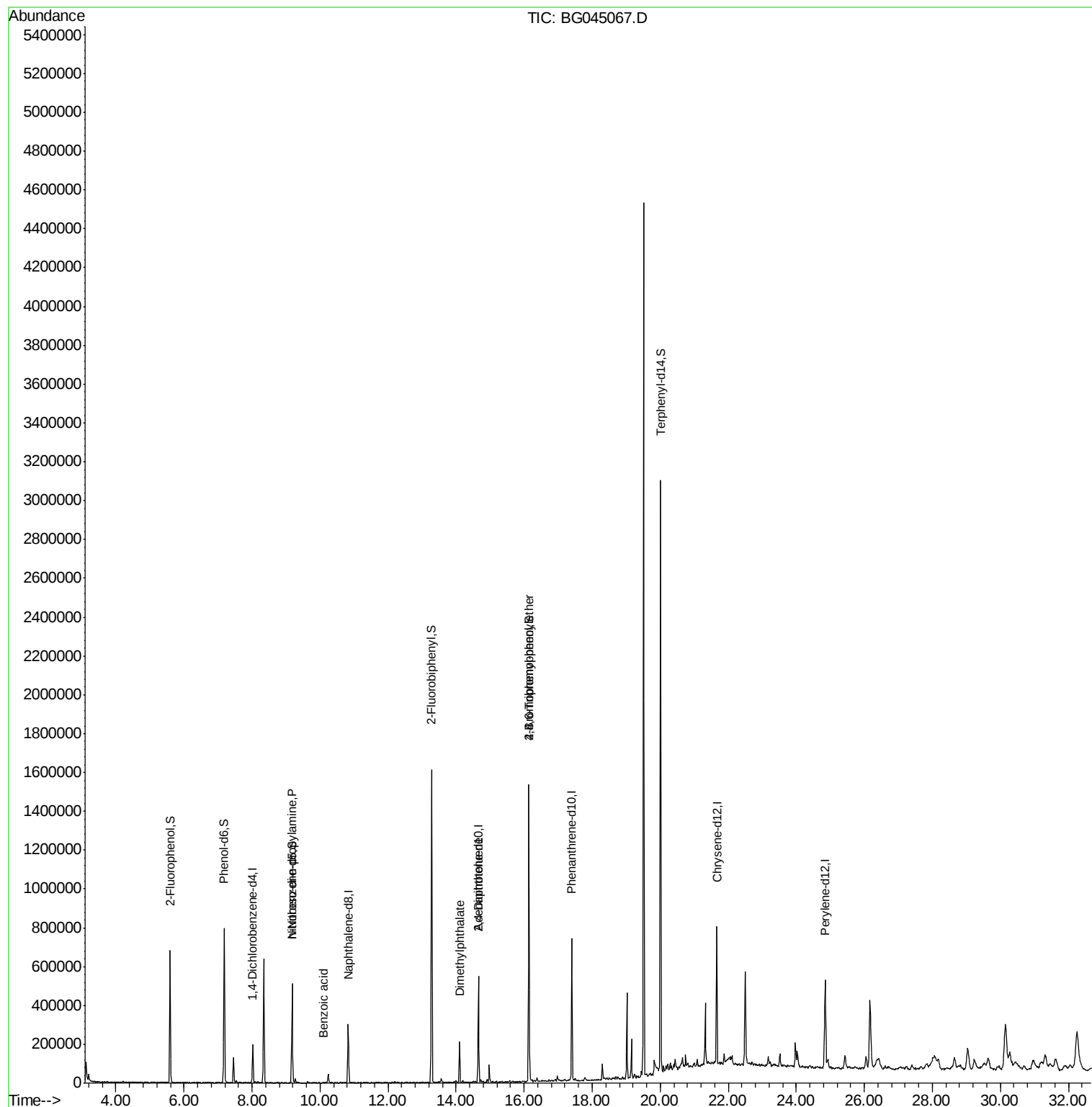
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	1704	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	47051	12.609 ng	#	80
32) Benzoic acid	10.09	122	68	6.392 ng	#	1
50) Dimethylphthalate	14.10	163	145669	8.880 ng		100
57) 2,4-Dinitrotoluene	14.65	165	26612	4.963 ng	#	23
67) 4-Bromophenyl-phenylether	16.14	248	21641	3.389 ng	#	1
69) Atrazine	16.56	200	63	Below Cal	#	6
74) Di-n-butylphthalate	18.36	149	885	Below Cal	#	61
75) Fluoranthene	19.45	202	1958	Below Cal		87
77) Benzidine	19.51	184	2546	Below Cal	#	1

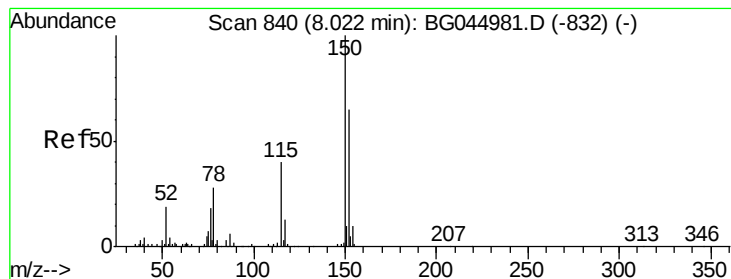
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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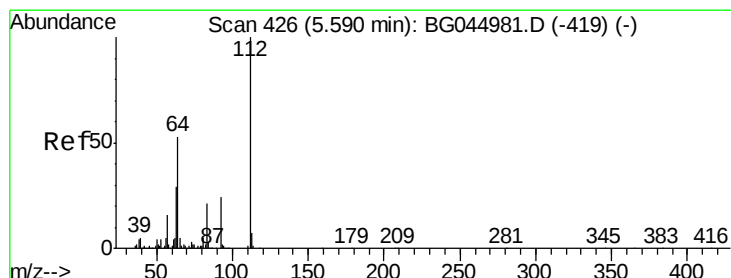
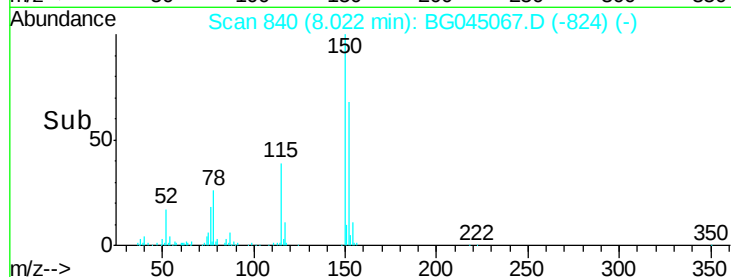
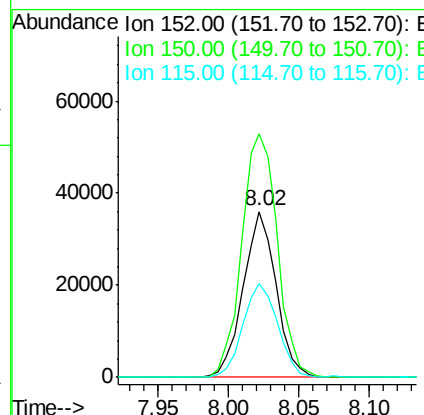
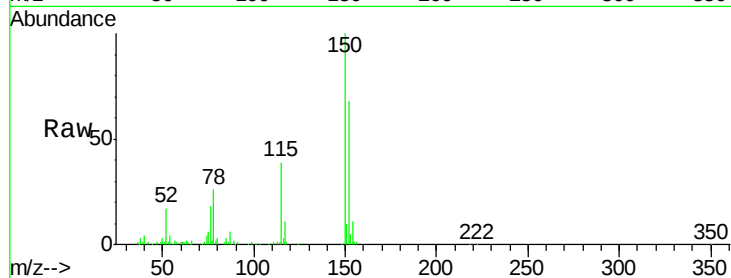




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045067.D
 Acq: 18 Apr 2020 15:03

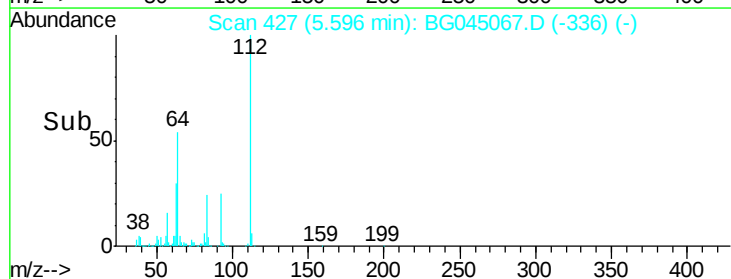
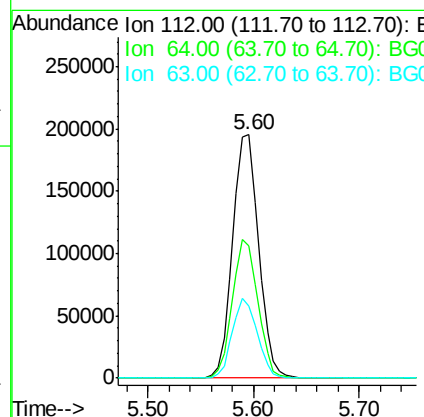
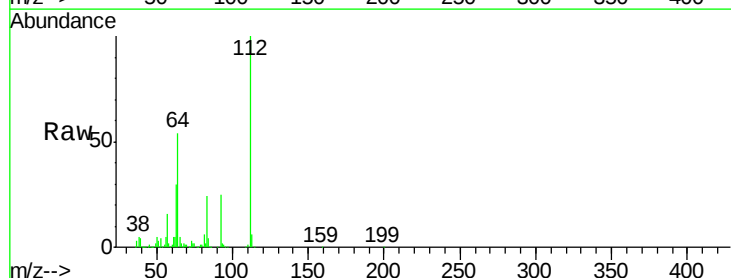
Instrument :
 BNA_G
 ClientSampleId :
 PA-1

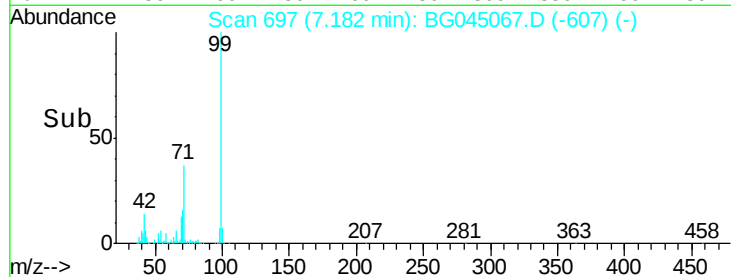
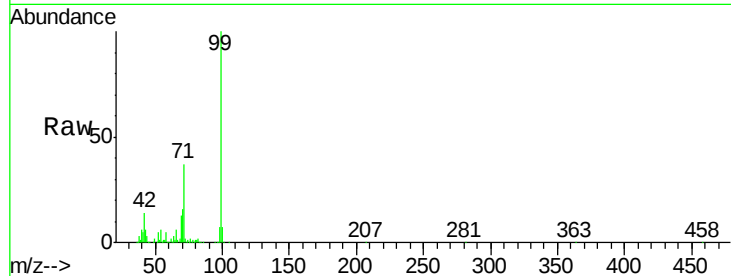
Tot Ion:152 Resp: 58630
 Ion Ratio Lower Upper
 152 100
 150 146.6 123.6 185.4
 115 56.6 49.1 73.7



#5
 2-Fluorophenol
 Concen: 93.547 ng
 RT: 5.60 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BG045067.D
 Acq: 18 Apr 2020 15:03

Tgt Ion:112 Resp: 332214
 Ion Ratio Lower Upper
 112 100
 64 54.1 42.4 63.6
 63 29.6 23.1 34.7





#7

Phenol-d6

Concen: 98.445 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

Instrument :

BNA_G

ClientSampleId :

PA-1

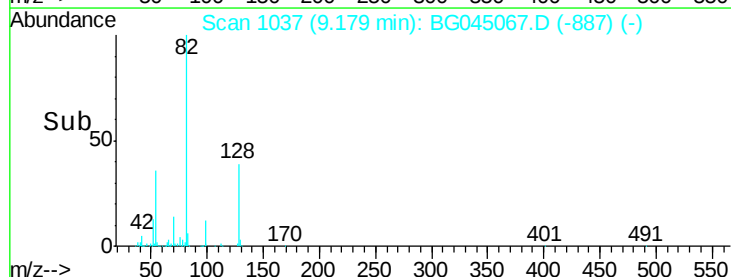
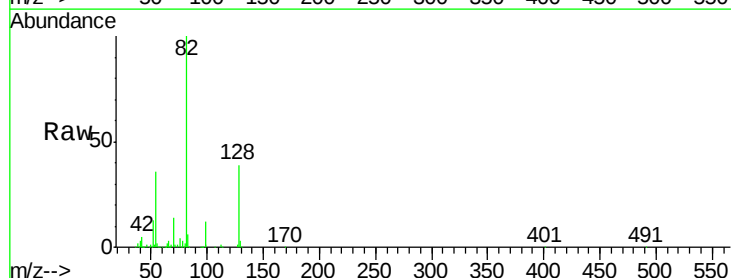
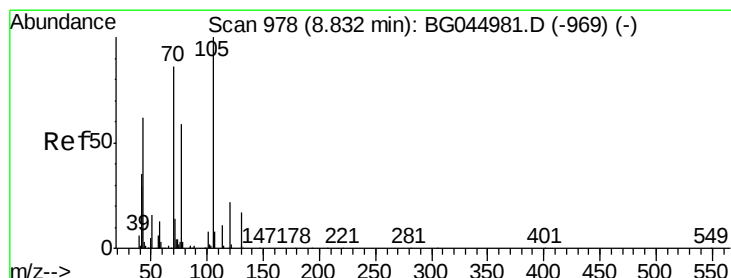
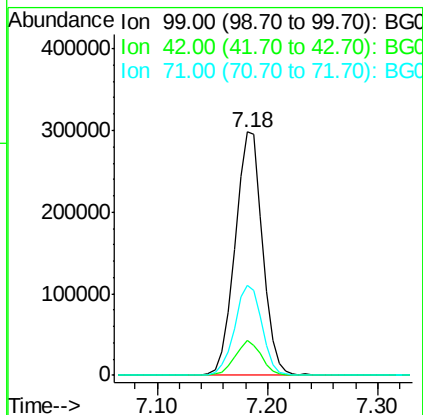
Tot Ion: 99 Resp: 519431

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 37.2 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.609 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

Tgt Ion: 70 Resp: 47051

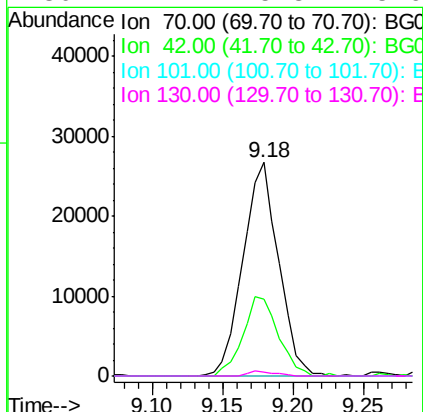
Ion Ratio Lower Upper

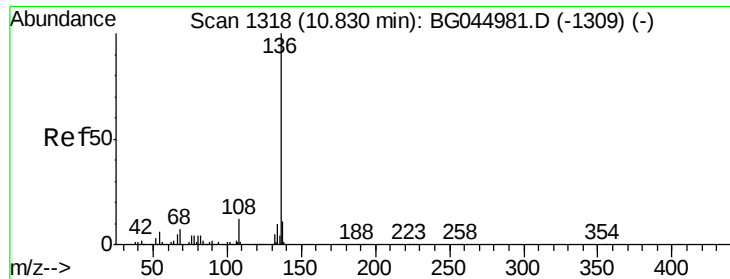
70 100

42 35.9 33.3 49.9

101 0.0 7.8 11.8#

130 1.7 15.8 23.6#

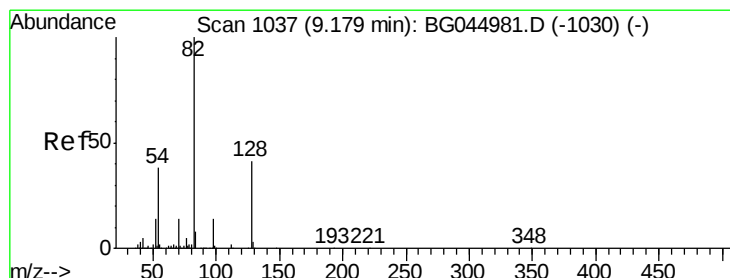
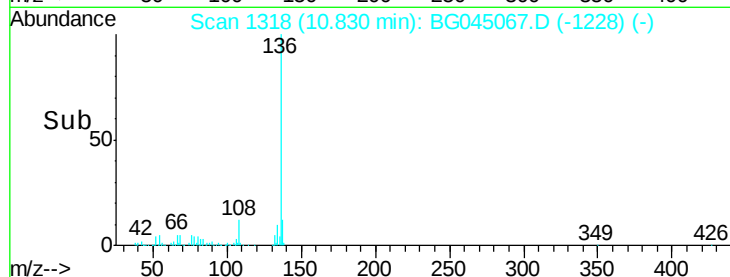
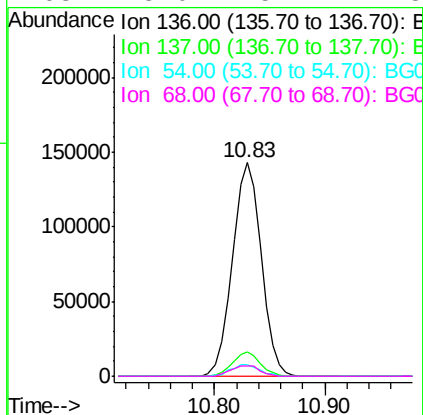
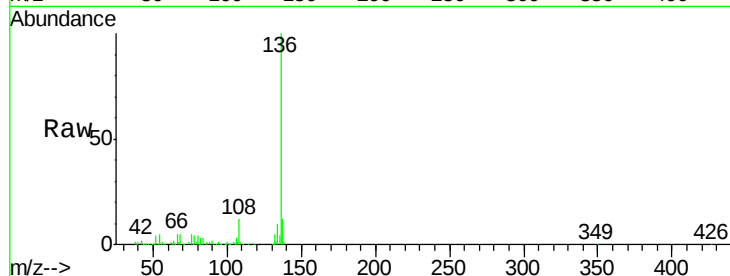




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

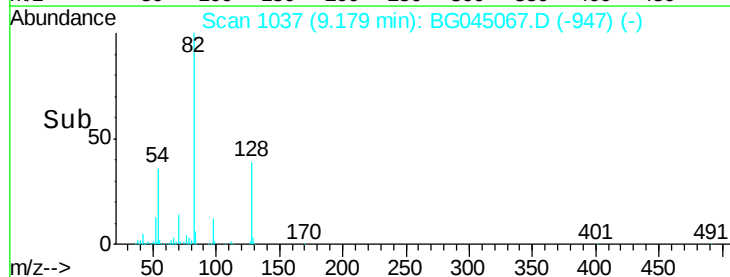
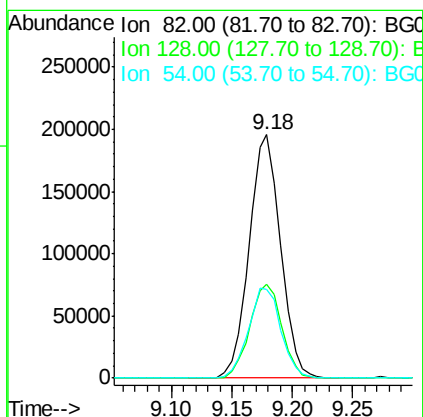
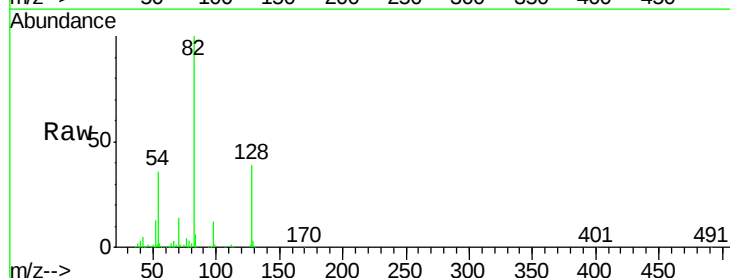
Instrument :
BNA_G
ClientSampleId :
PA-1

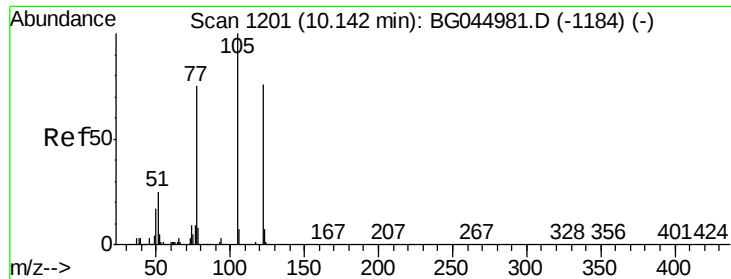
Tot Ion:136	Resp:	262919
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.6	13.0
54 5.4	4.8	7.2
68 5.0	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 61.405 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Tgt Ion	82	Resp: Lower	353822 Upper
	Ratio 100		
128	38.8	33.0	49.4
54	36.3	30.4	45.6

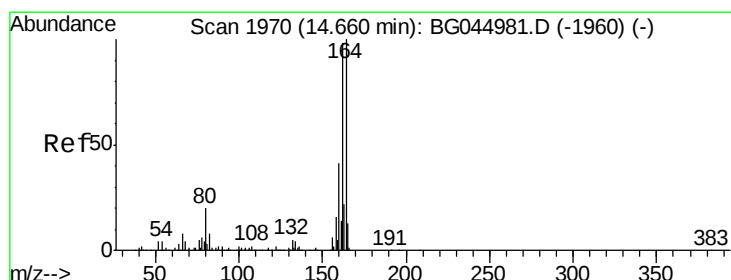
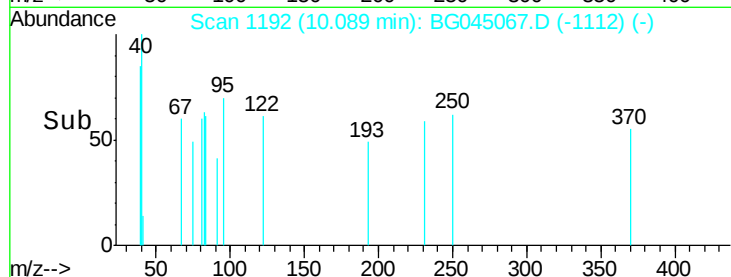
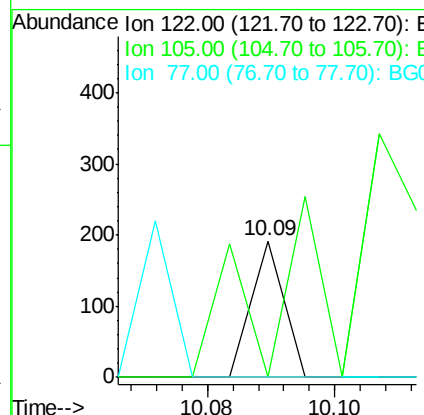
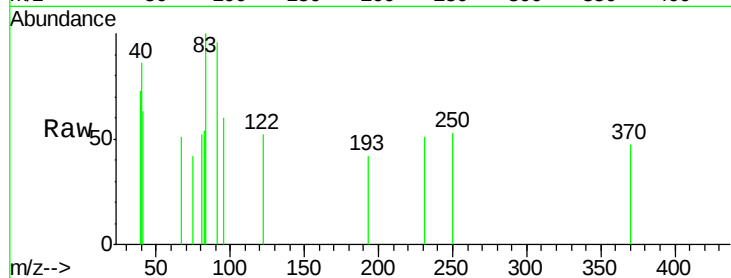




#32
Benzoic acid
Concen: 6.392 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.06 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

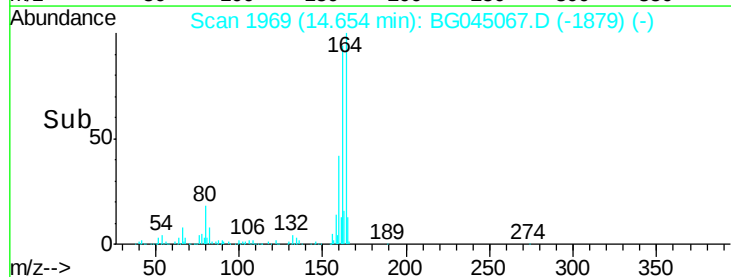
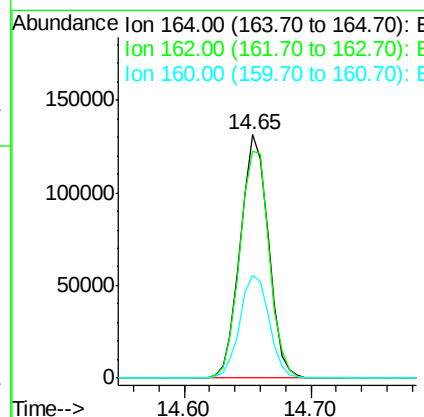
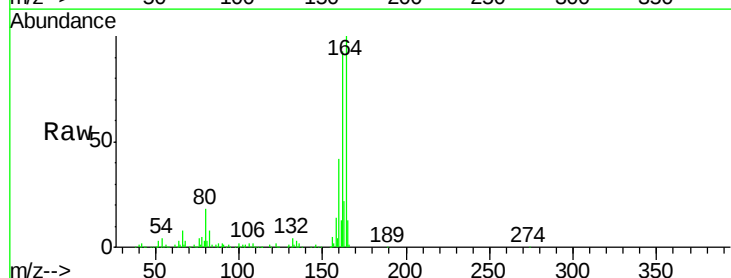
Instrument :
BNA_G
ClientSampleId :
PA-1

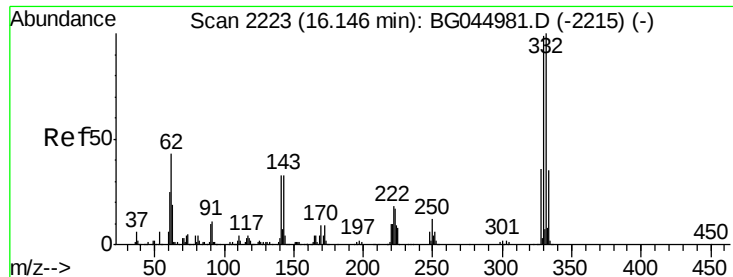
Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Tgt Ion:164 Resp: 201467
Ion Ratio Lower Upper
164 100
162 93.2 78.7 118.1
160 42.0 32.8 49.2

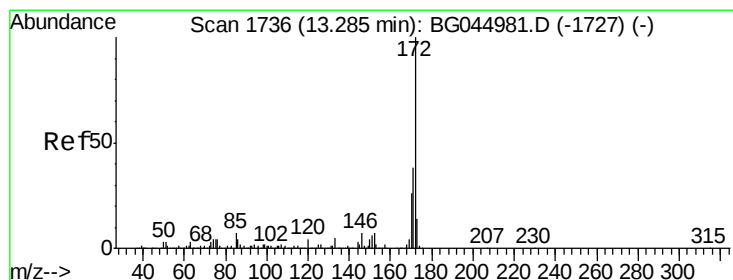
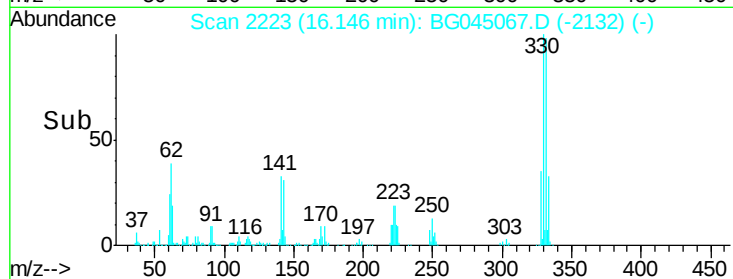
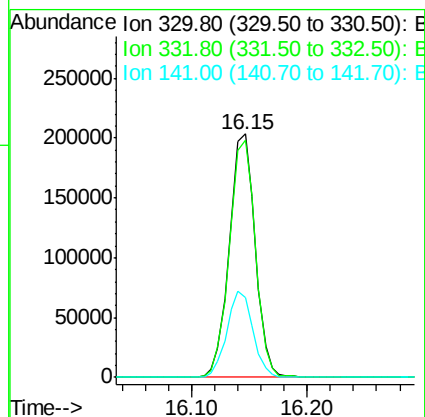
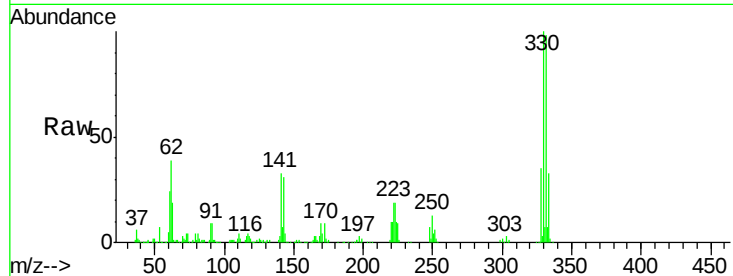




#42
2,4,6-Tribromophenol
Concen: 101.324 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

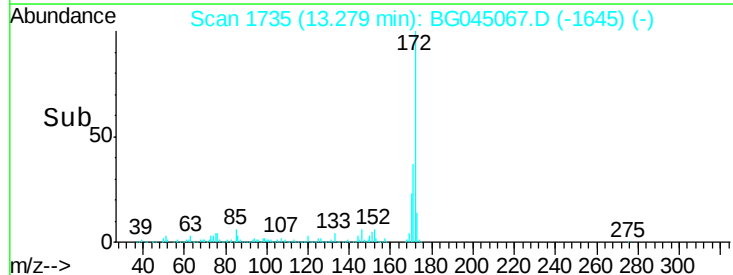
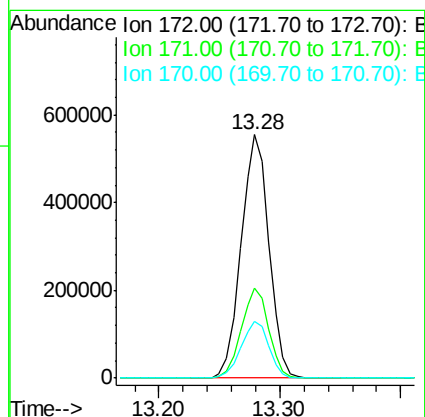
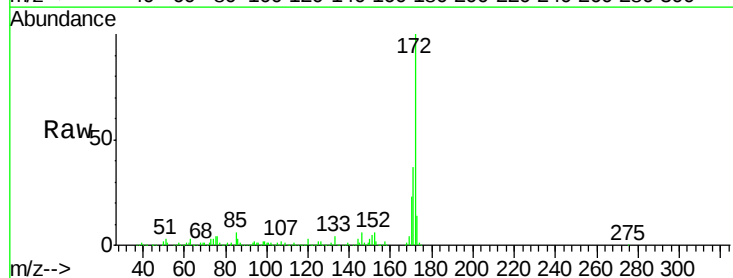
Instrument :
BNA_G
ClientSampleId :
PA-1

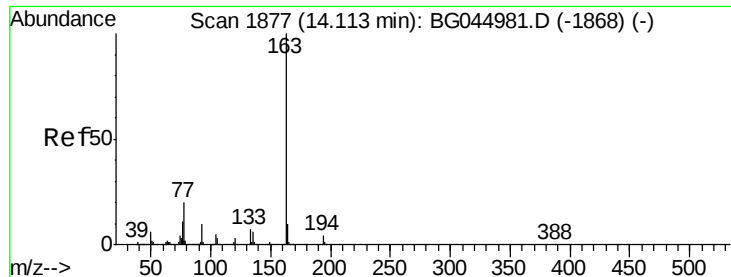
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.1	118.7
141	35.7	27.1	40.7



#45
2-Fluorobiphenyl
Concen: 64.585 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	46.0
170	23.1	20.5	30.7

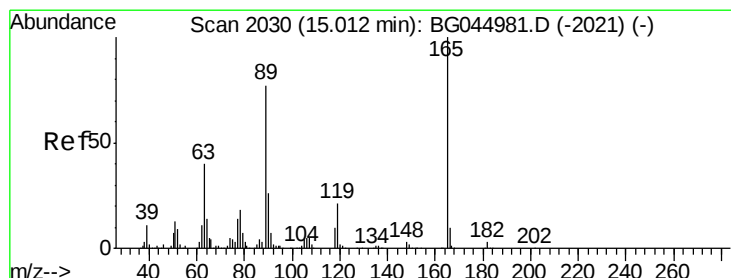
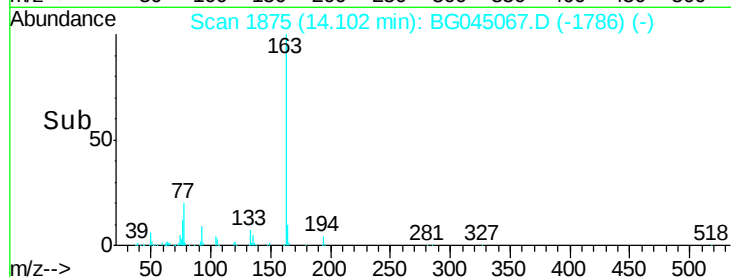
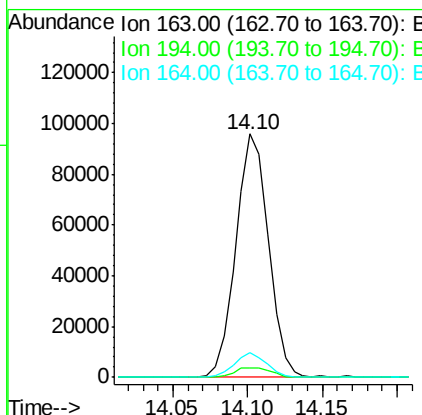
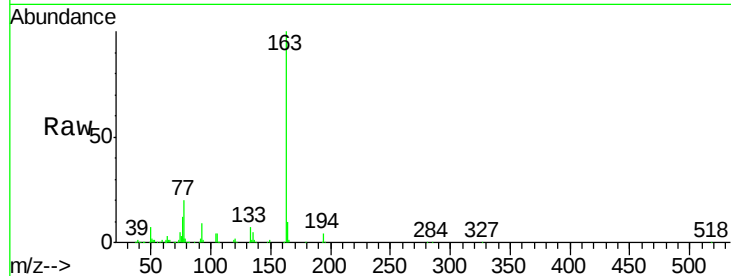




#50
Dimethylphthalate
Concen: 8.880 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

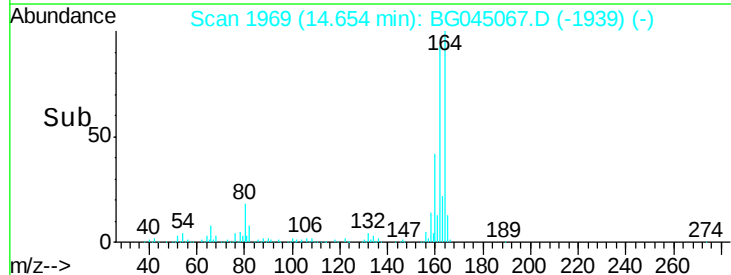
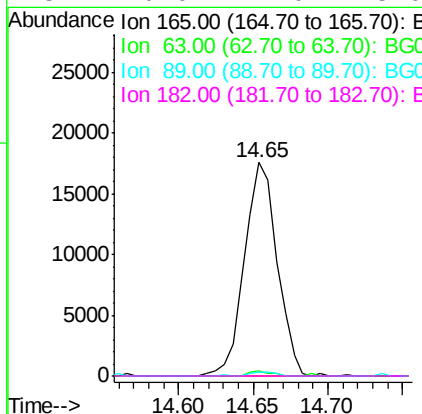
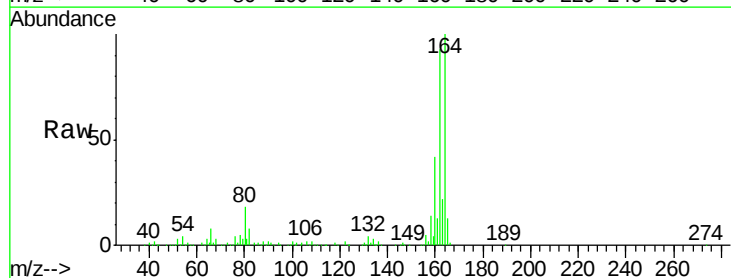
Instrument :
BNA_G
ClientSampleId :
PA-1

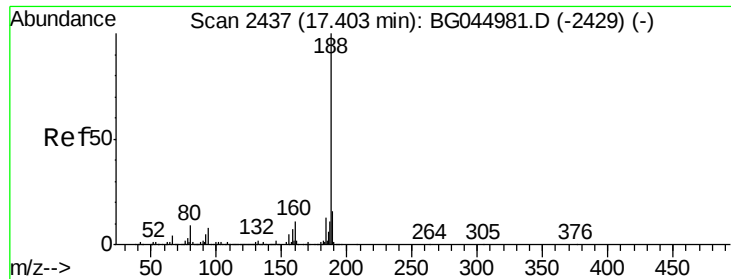
Tot Ion:163 Resp: 145669
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.2 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 4.963 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.36 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Tgt Ion:165 Resp: 26612
Ion Ratio Lower Upper
165 100
63 2.3 32.2 48.2#
89 1.5 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

Instrument :

BNA_G

ClientSampleId :

PA-1

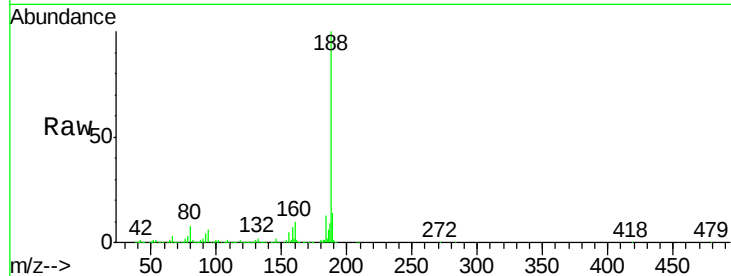
Tot Ion:188 Resp: 495025

Ion Ratio Lower Upper

188 100

94 6.3 6.2 9.4

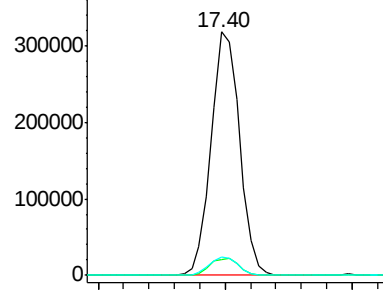
80 7.6 7.0 10.6



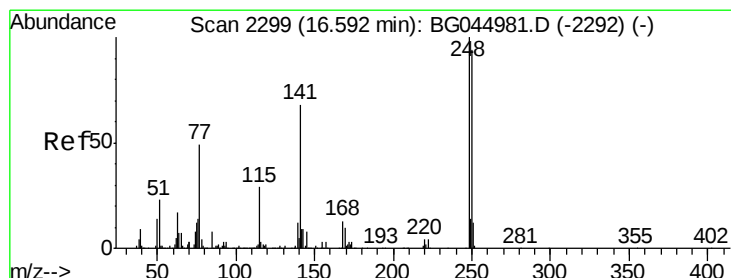
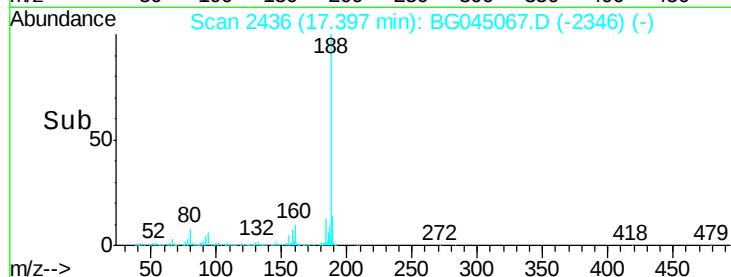
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 3.389 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

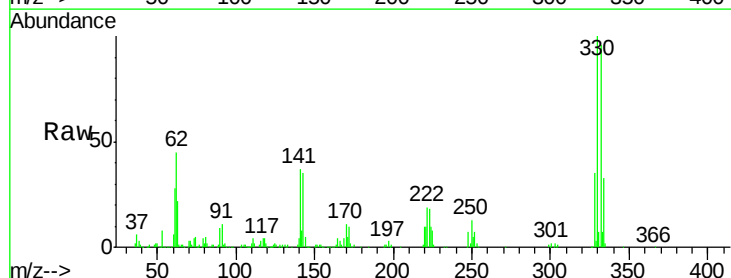
Tgt Ion:248 Resp: 21641

Ion Ratio Lower Upper

248 100

250 192.4 75.4 113.2#

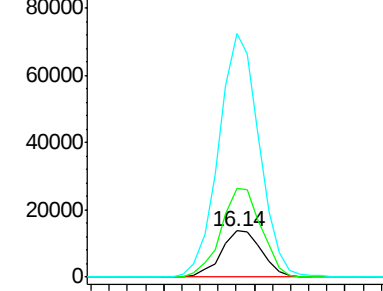
141 527.5 54.4 81.6#



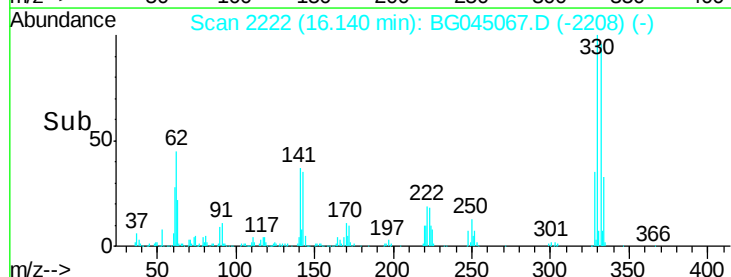
Abundance Ion 248.00 (247.70 to 248.70): E

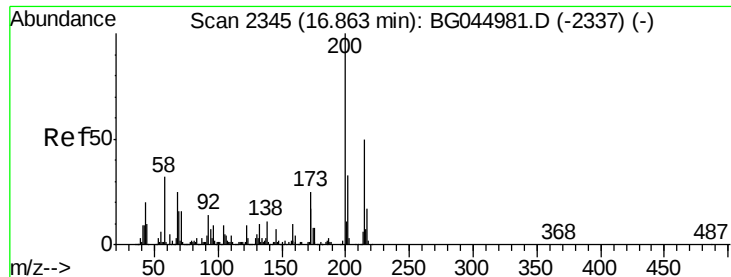
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20





#69

Atrazine

Concen: Below Cal

RT: 16.56 min Scan# 2294

Delta R.T. -0.30 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

Instrument :

BNA_G

ClientSampleId :

PA-1

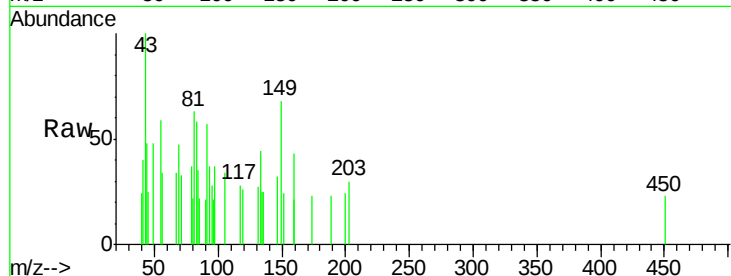
Tot Ion:200 Resp: 63

Ion Ratio Lower Upper

200 100

173 92.7 4.5 44.5#

215 0.0 30.0 70.0#

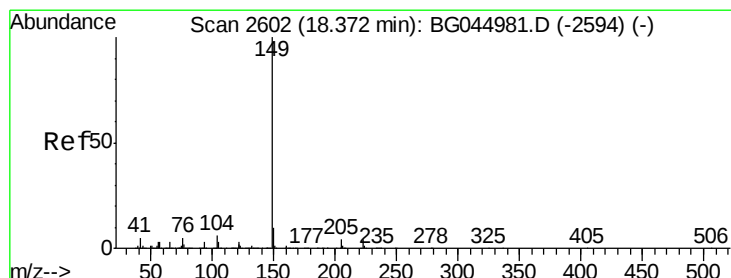
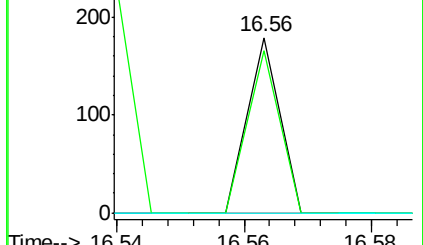
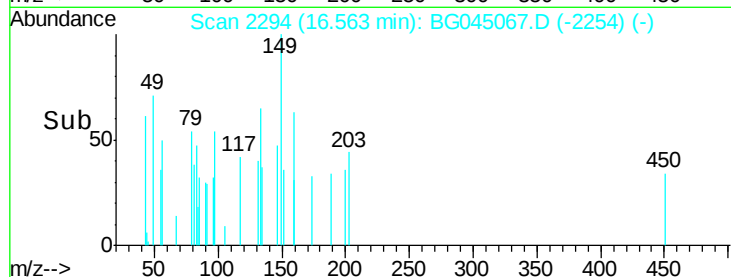


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

Time--> 16.54 16.56 16.58



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

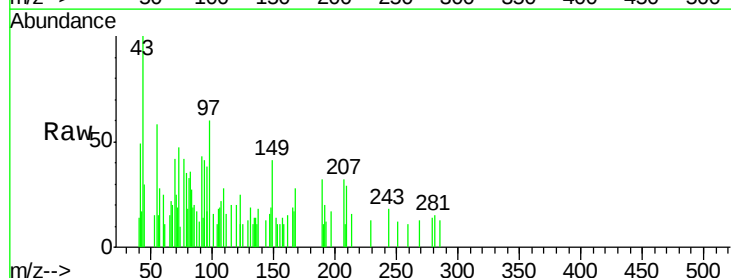
Tgt Ion:149 Resp: 885

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 25.9 4.8 7.2#

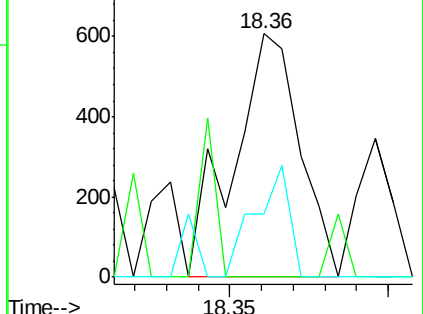
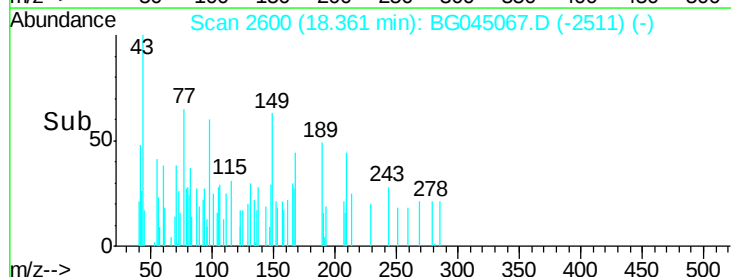


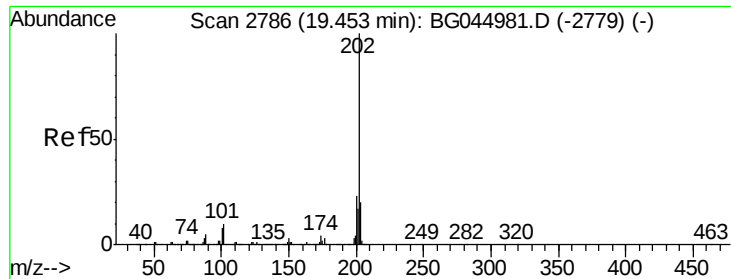
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time--> 18.35





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

Instrument :

BNA_G

ClientSampleId :

PA-1

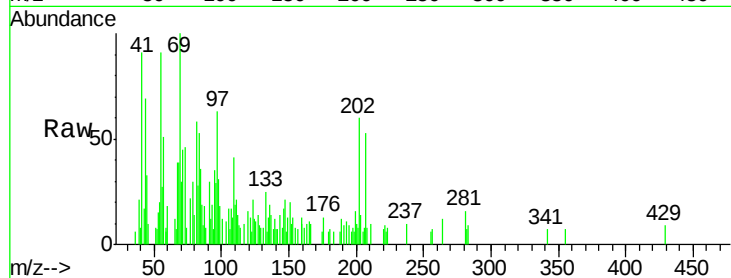
Tot Ion:202 Resp: 1958

Ion Ratio Lower Upper

202 100

101 19.2 0.0 29.6

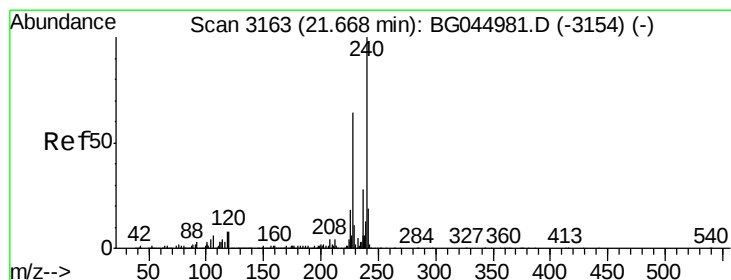
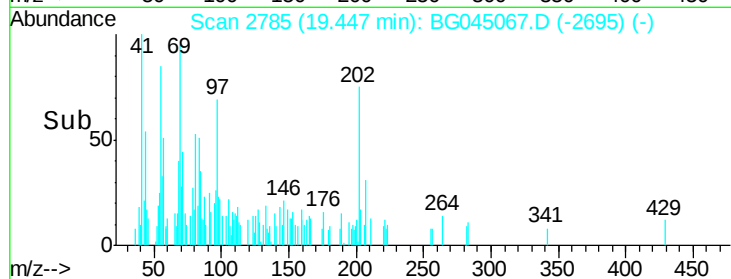
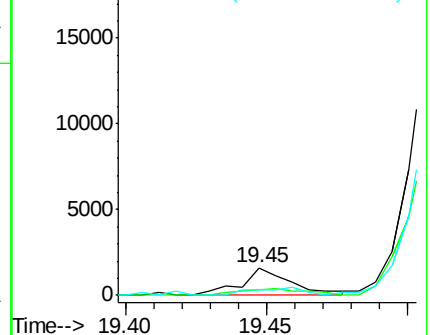
203 22.4 0.0 39.7



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. -0.00 min

Lab File: BG045067.D

Acq: 18 Apr 2020 15:03

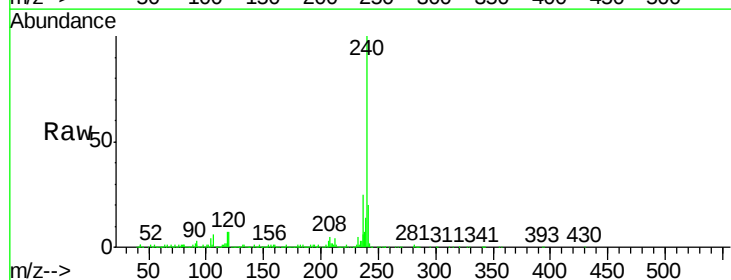
Tgt Ion:240 Resp: 456934

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

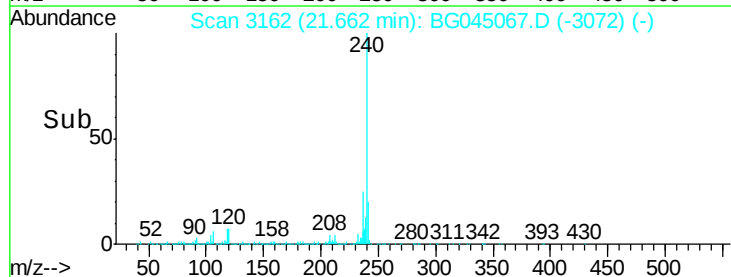
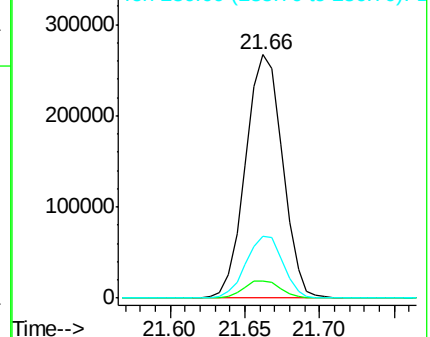
236 25.5 22.2 33.2

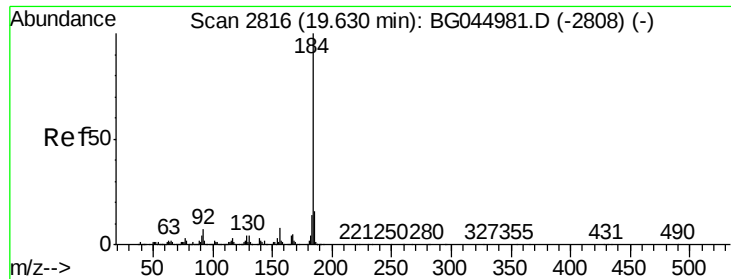


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

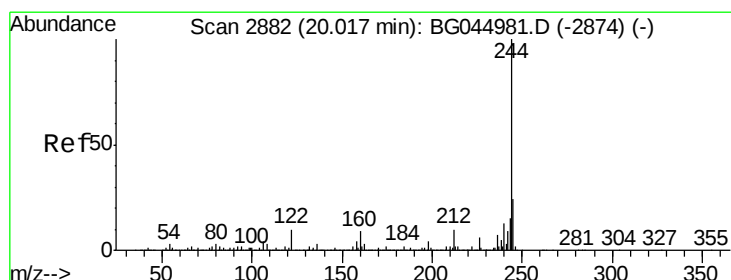
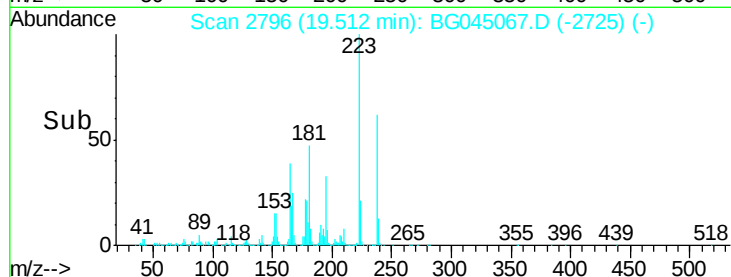
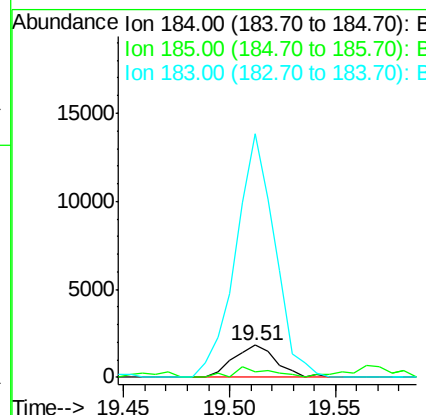
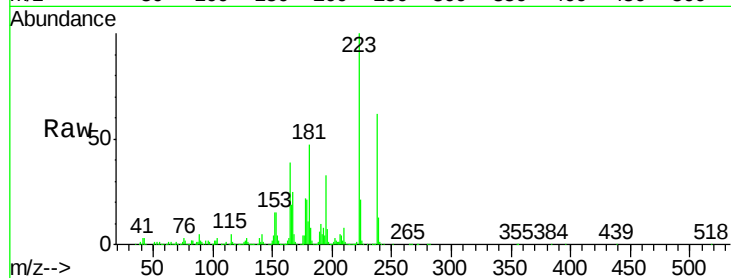




#77
Benzidine
Concen: Below Cal
RT: 19.51 min Scan# 2796
Delta R.T. -0.11 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

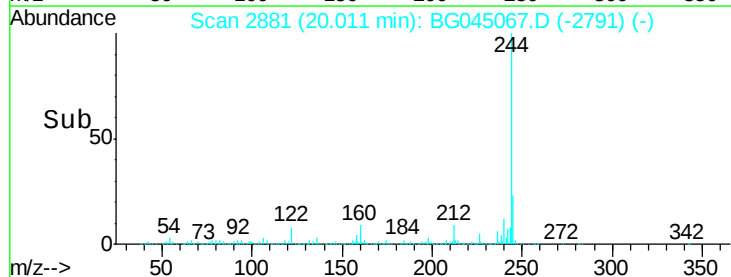
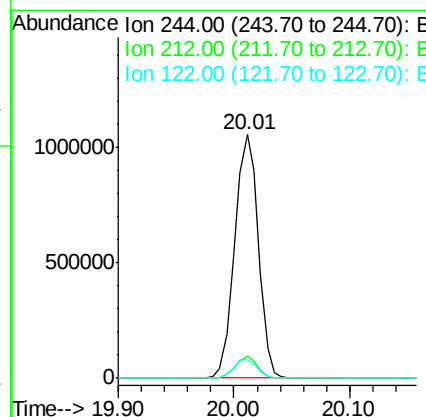
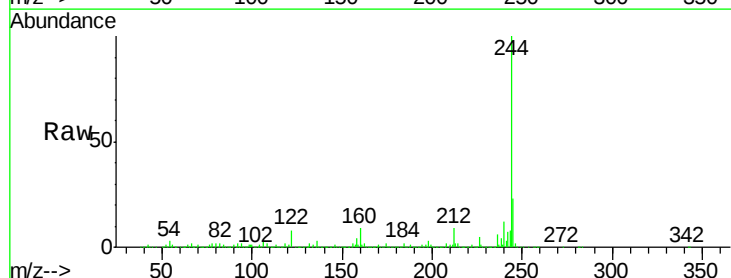
Instrument :
BNA_G
ClientSampleId :
PA-1

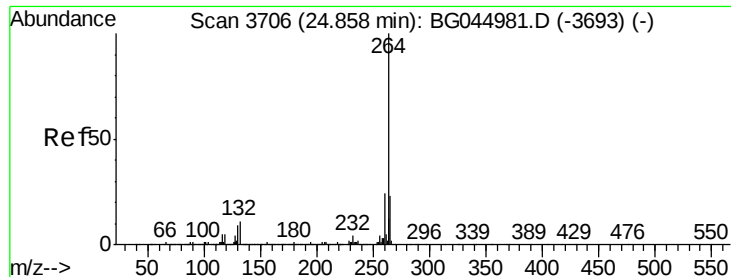
Tot Ion:184 Resp: 2546
Ion Ratio Lower Upper
184 100
185 18.8 12.6 19.0
183 761.9 11.3 16.9#



#79
Terphenyl-d14
Concen: 70.987 ng
RT: 20.01 min Scan# 2881
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Tgt Ion:244 Resp: 1488194
Ion Ratio Lower Upper
244 100
212 9.1 7.9 11.9
122 7.8 7.7 11.5

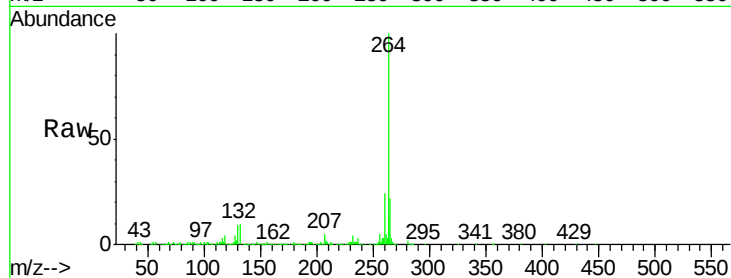




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG045067.D
Acq: 18 Apr 2020 15:03

Instrument :
BNA_G
ClientSampleId :
PA-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	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

