

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045079.D
 Acq On : 18 Apr 2020 23:00
 Operator : CG/JU
 Sample : L2277-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Quant Time: Apr 20 00:25:12 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	72006	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	315063	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	226563	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	478167	20.00	ng	0.00
76) Chrysene-d12	21.66	240	437566	20.00	ng	0.00
87) Perylene-d12	24.85	264	479611	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	669906	153.60	ng	0.00
7) Phenol-d6	7.19	99	1052339	162.40	ng	0.00
23) Nitrobenzene-d5	9.18	82	687976	99.64	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	536490	153.28	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1628514	105.40	ng	0.00
79) Terphenyl-d14	20.01	244	2269565	113.05	ng	0.00

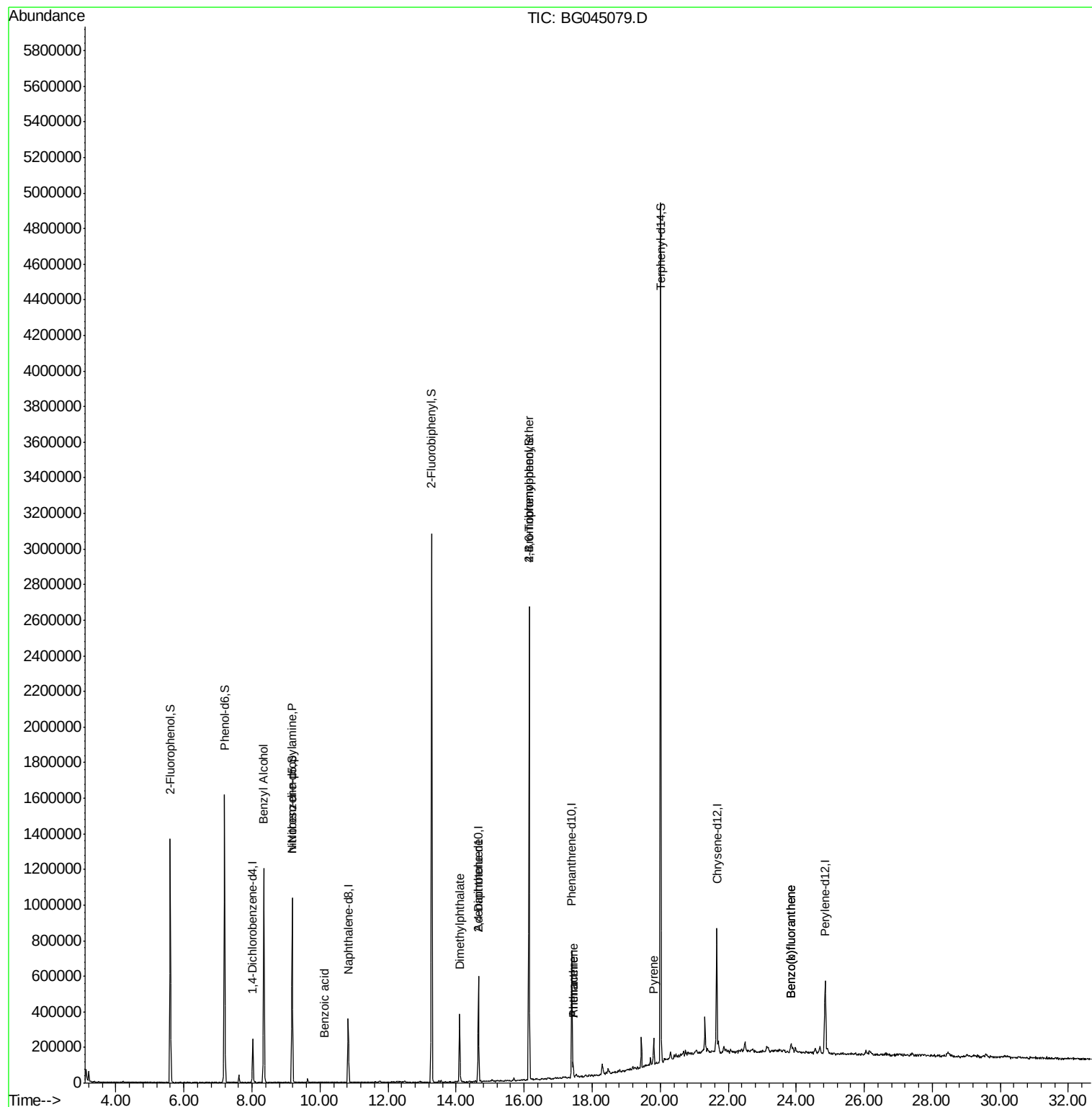
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	2700	Below Cal	#	4
15) Benzyl Alcohol	8.35	79	11069	2.037 ng	#	49
19) n-Nitroso-di-n-propylamine	9.18	70	93846	20.478 ng	#	81
32) Benzoic acid	10.13	122	54	6.386 ng	#	51
50) Dimethylphthalate	14.10	163	258560	14.016 ng		99
57) 2,4-Dinitrotoluene	14.66	165	30188	5.006 ng	#	23
67) 4-Bromophenyl-phenylether	16.14	248	36483	5.914 ng	#	1
69) Atrazine	16.85	200	62	Below Cal	#	35
71) Phenanthrene	17.45	178	55651	2.265 ng		98
72) Anthracene	17.45	178	55651	2.258 ng		97
74) Di-n-butylphthalate	18.37	149	1791	Below Cal	#	74
75) Fluoranthene	19.45	202	103945	Below Cal		98
77) Benzidine	20.01	184	48744	Below Cal	#	91
78) Pyrene	19.81	202	94010	3.116 ng		96
88) Benzo(b)fluoranthene	23.85	252	68138	2.268 ng		96
89) Benzo(k)fluoranthene	23.85	252	68138	2.385 ng		97

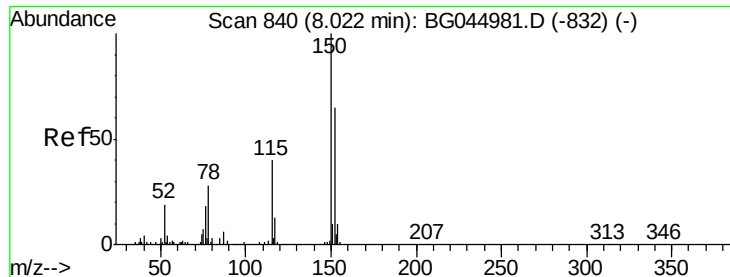
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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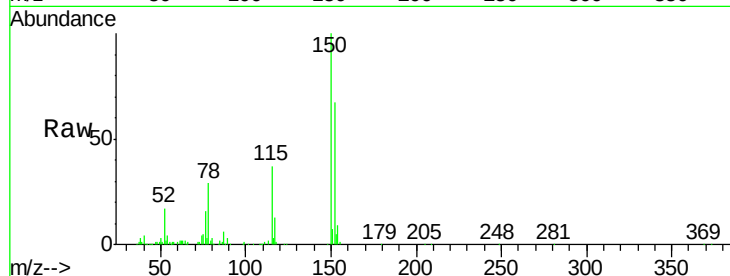


#1

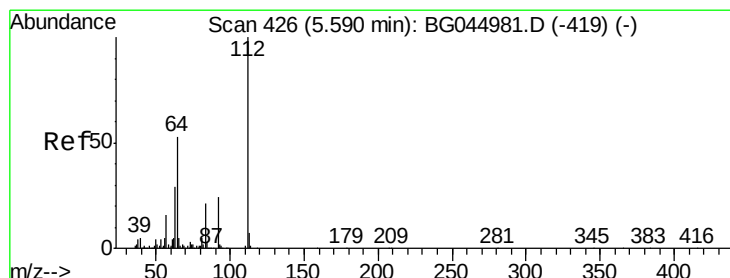
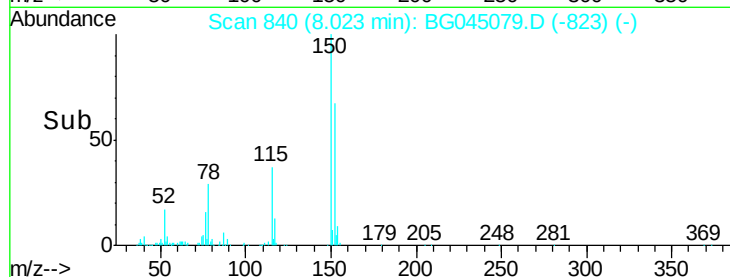
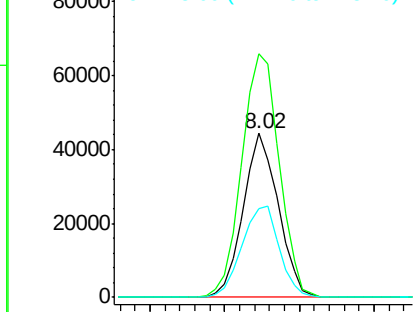
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

Instrument :
BNA_G
ClientSampled :
B-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	123.6	185.4
115	54.5	49.1	73.7



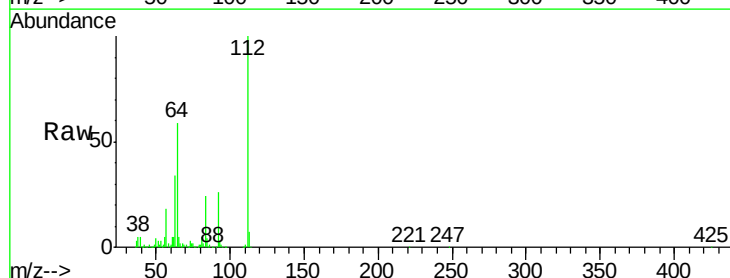
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



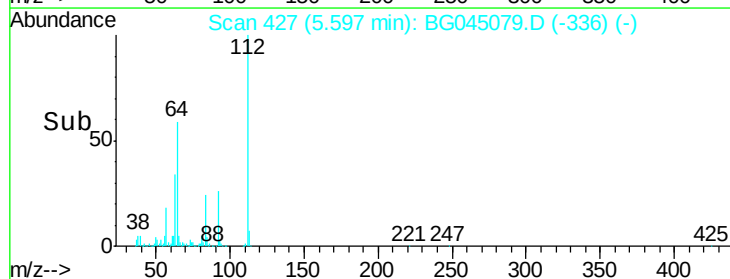
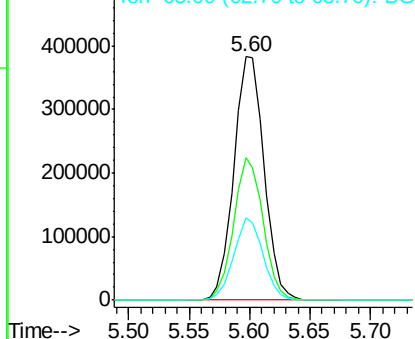
#5

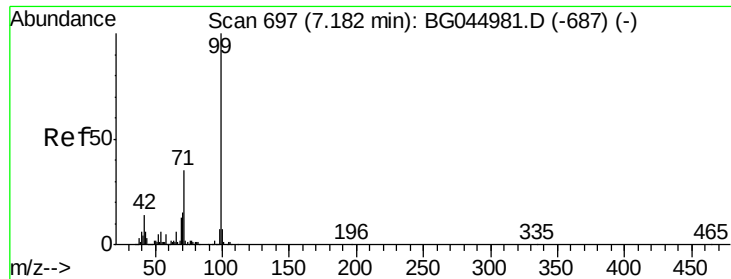
2-Fluorophenol
Concen: 153.595 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	42.4	63.6
63	33.6	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: 162.396 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

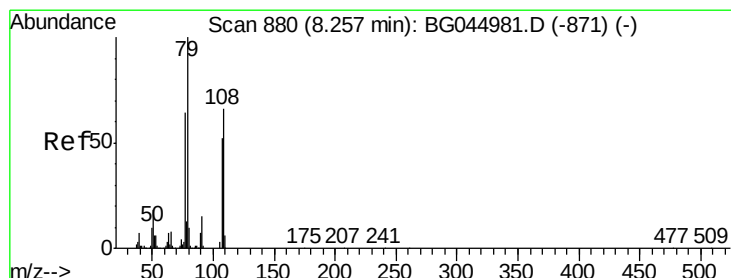
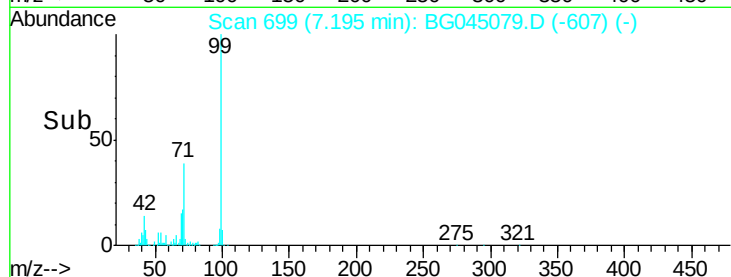
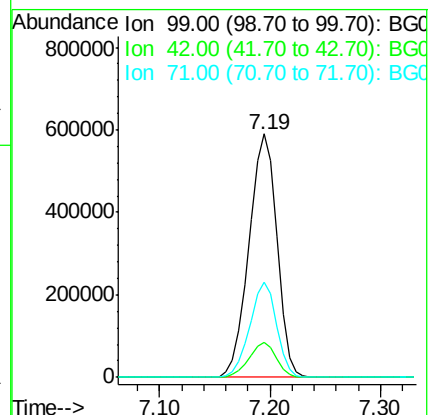
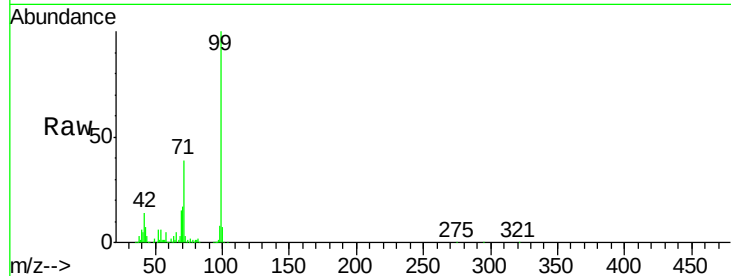
Tot Ion: 99 Resp: 1052339

Ion Ratio Lower Upper

99 100

42 14.3 11.3 16.9

71 38.9 28.3 42.5



#15

Benzyl Alcohol

Concen: 2.037 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.10 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

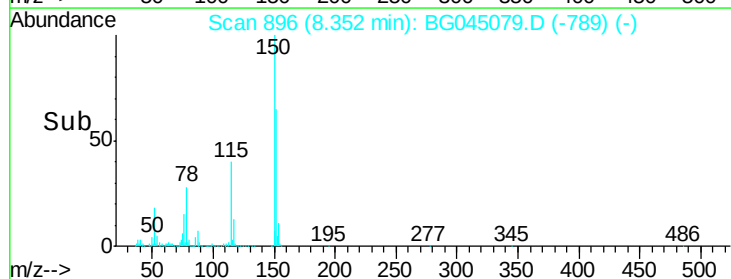
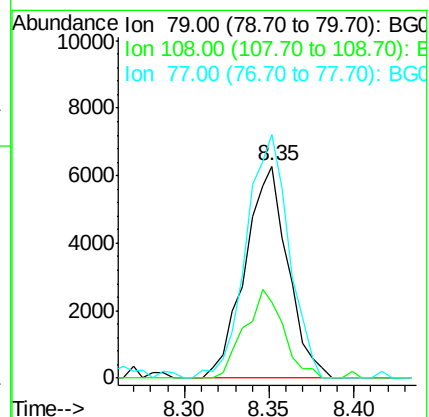
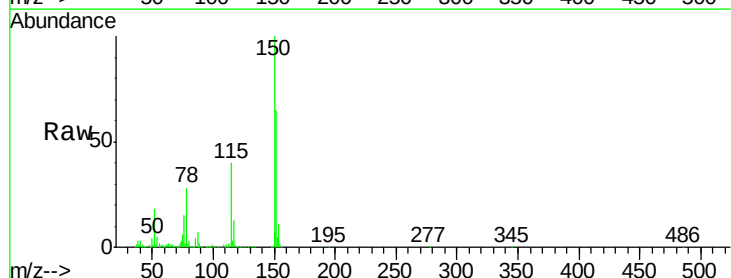
Tgt Ion: 79 Resp: 11069

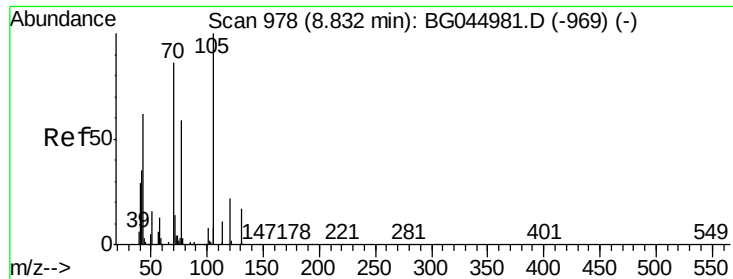
Ion Ratio Lower Upper

79 100

108 35.8 52.7 79.1#

77 114.8 51.3 76.9#

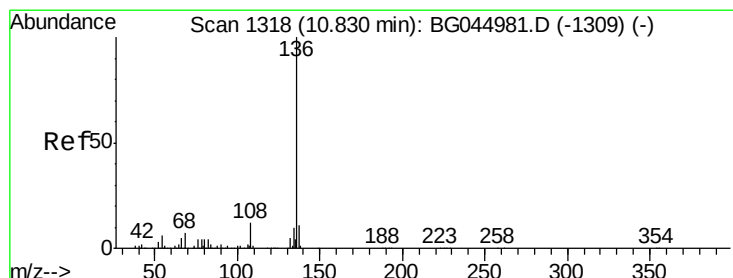
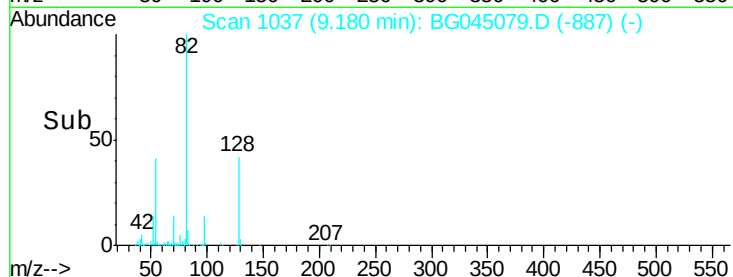
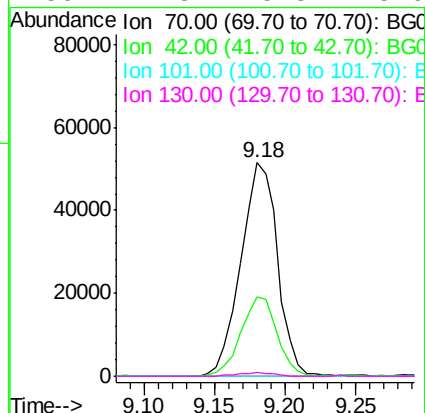
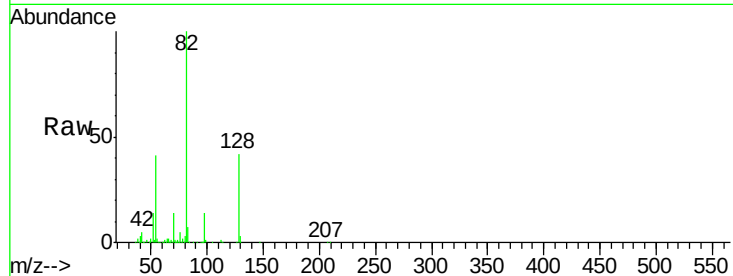




#19
n-Nitroso-di-n-propylamine
Concen: 20.478 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

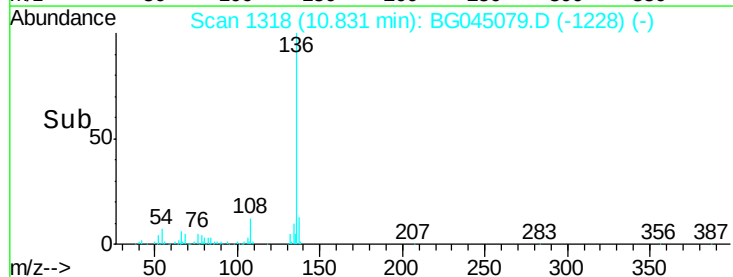
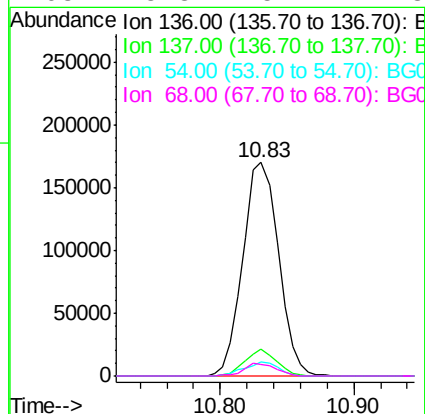
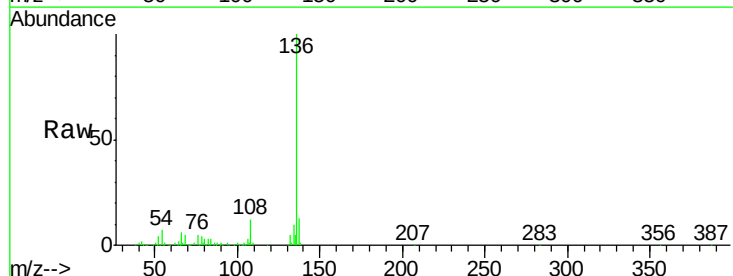
Instrument :
BNA_G
ClientSampleId :
B-2

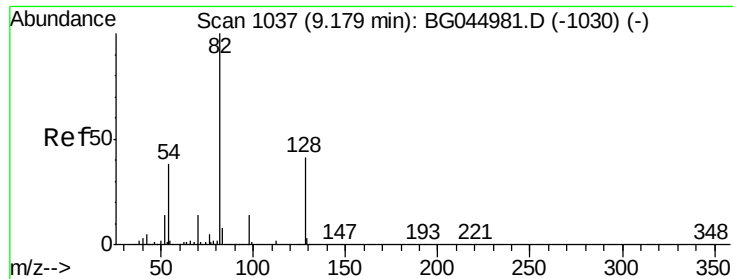
Tot Ion:	70	Resp:	93846
Ion	Ratio	Lower	Upper
70	100		
42	37.1	33.3	49.9
101	0.0	7.8	11.8#
130	1.8	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

Tgt Ion:	136	Resp:	315063
Ion	Ratio	Lower	Upper
136	100		
137	12.6	8.6	13.0
54	6.5	4.8	7.2
68	5.3	5.2	7.8

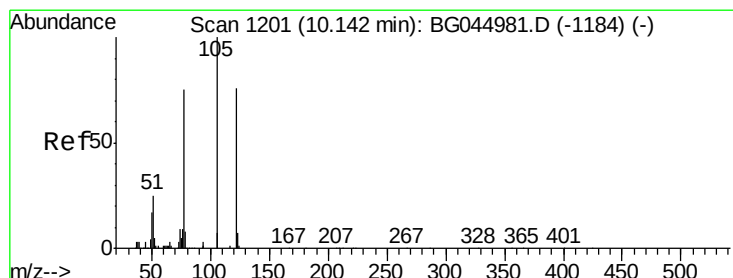
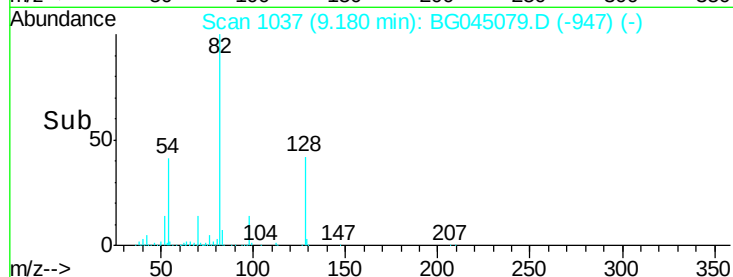
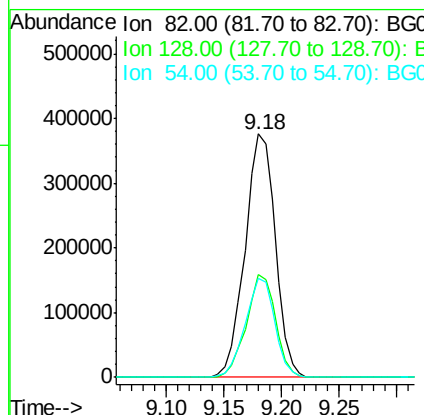
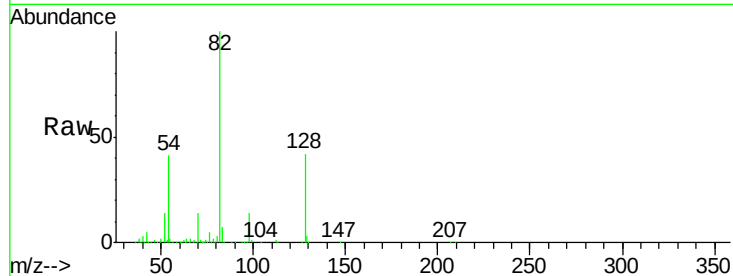




#23
 Nitrobenzene-d5
 Concen: 99.636 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

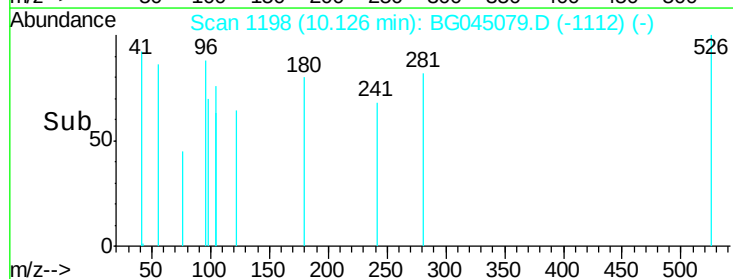
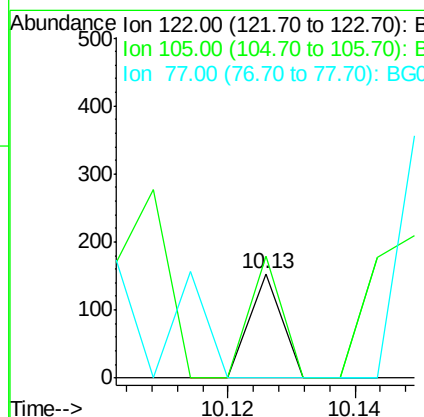
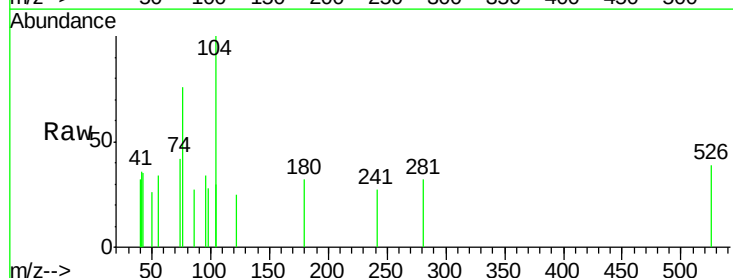
Instrument :
 BNA_G
 ClientSampleId :
 B-2

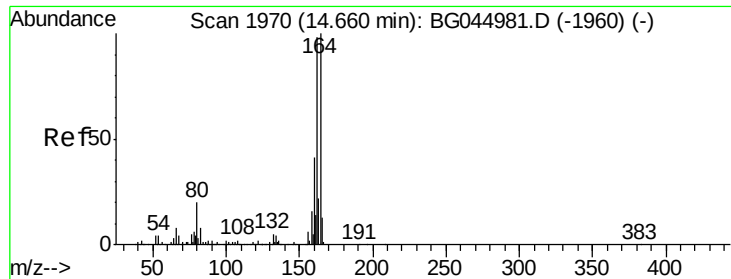
Tot Ion	82	Resp	687976
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	40.7	30.4	45.6



#32
 Benzoic acid
 Concen: 6.386 ng
 RT: 10.13 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

Tgt Ion	122	Resp	54
Ion	Ratio	Lower	Upper
122	100		
105	117.6	108.4	148.4
77	0.0	78.8	118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

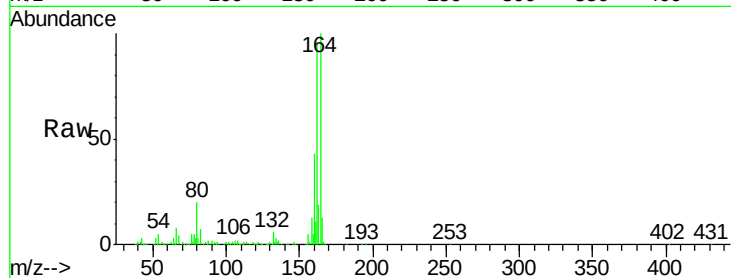
Tot Ion:164 Resp: 226563

Ion Ratio Lower Upper

164 100

162 96.0 78.7 118.1

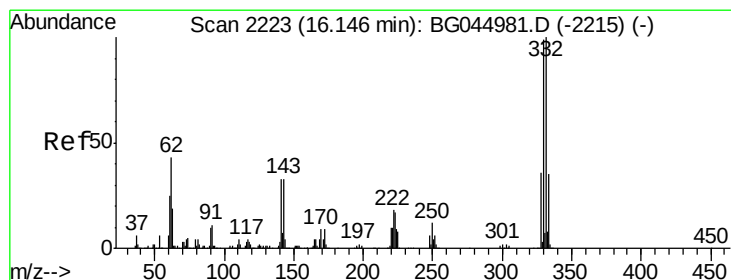
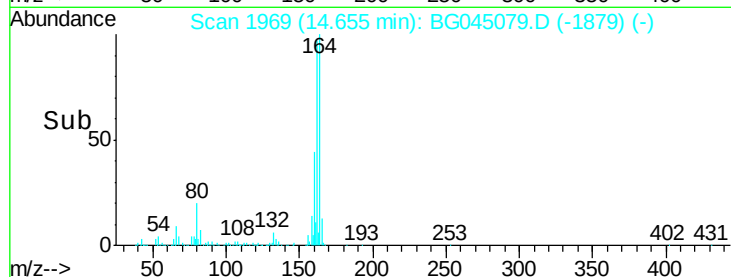
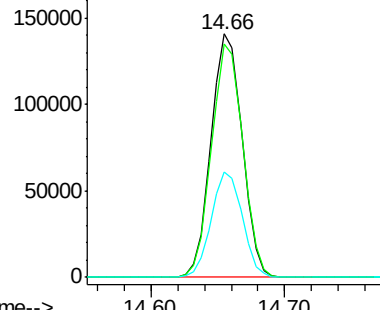
160 43.1 32.8 49.2



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: 153.278 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

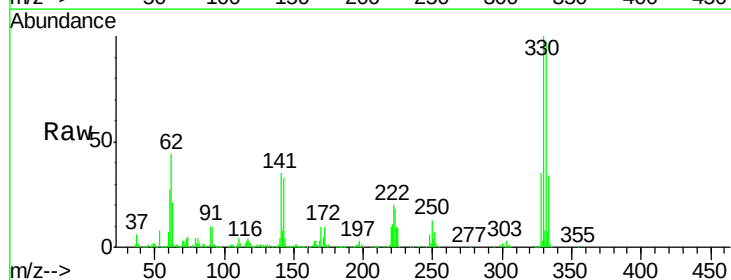
Tgt Ion:330 Resp: 536490

Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

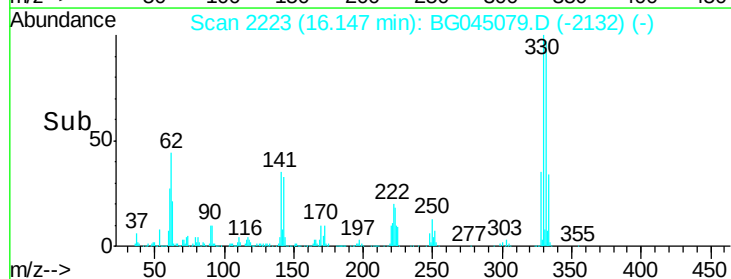
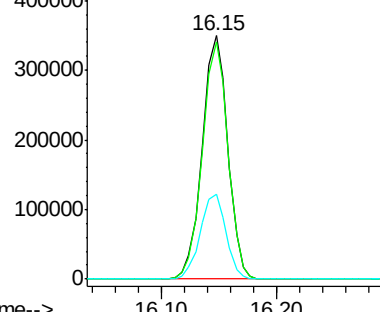
141 34.9 27.1 40.7

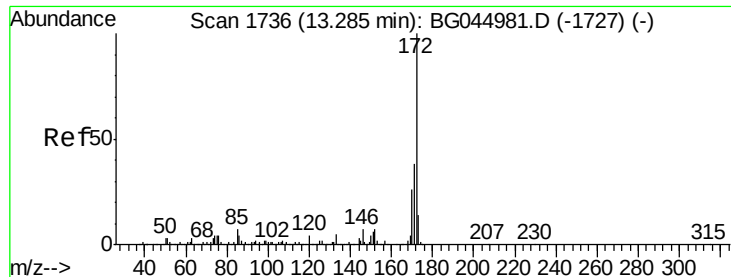


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

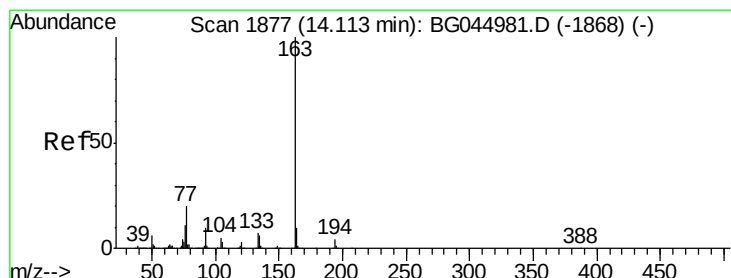
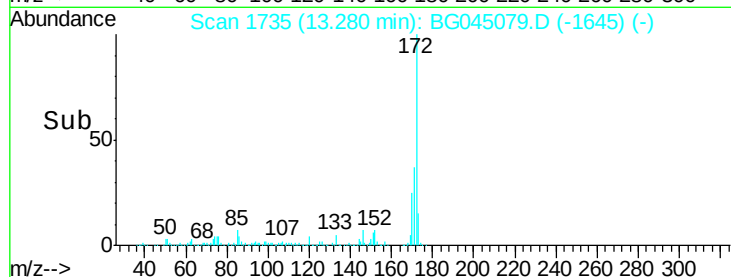
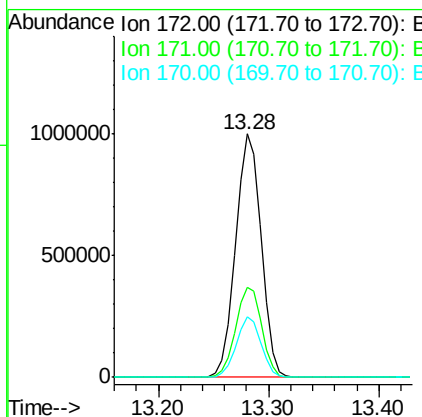
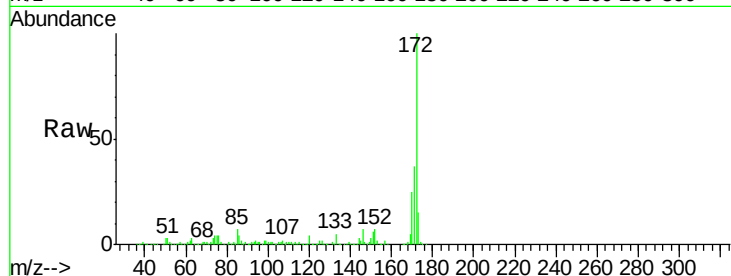




#45
2-Fluorobiphenyl
Concen: 105.398 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

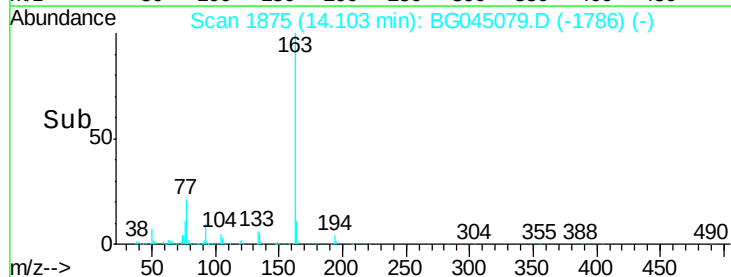
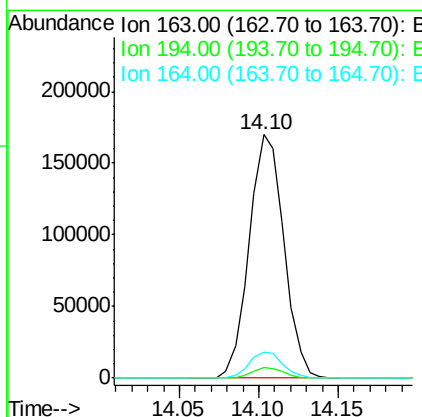
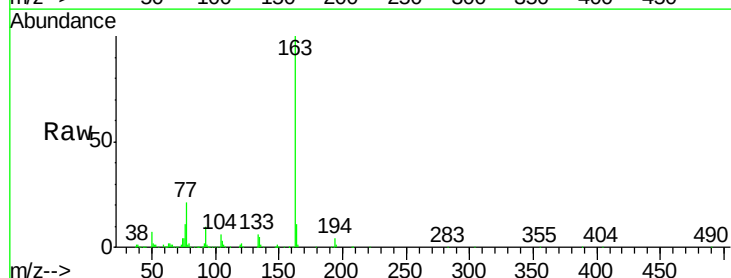
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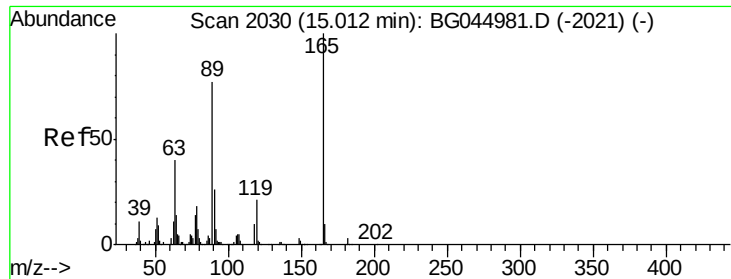
Tot Ion:172 Resp: 1628514
Ion Ratio Lower Upper
172 100
171 37.1 30.6 46.0
170 25.0 20.5 30.7



#50
Dimethylphthalate
Concen: 14.016 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

Tgt Ion:163 Resp: 258560
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 10.9 8.2 12.4

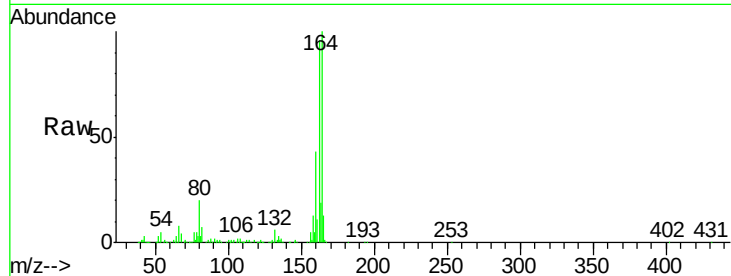




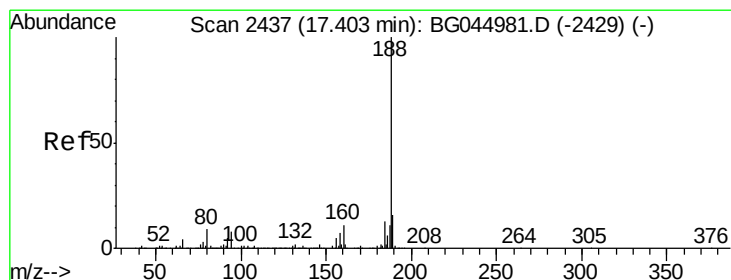
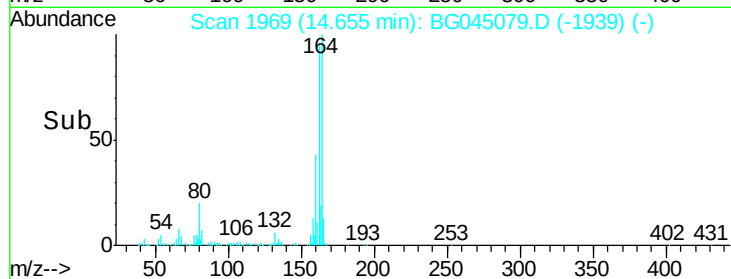
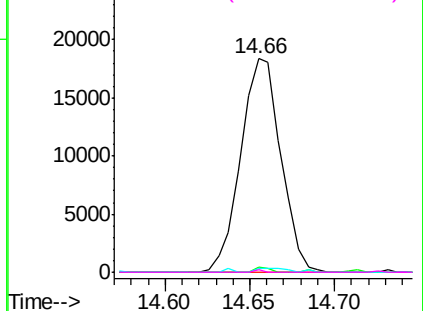
#57
 2,4-Dinitrotoluene
 Concen: 5.006 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

Instrument :
 BNA_G
 ClientSampled :
 B-2

Tot Ion:165 Resp: 30188
 Ion Ratio Lower Upper
 165 100
 63 2.2 32.2 48.2#
 89 1.6 61.7 92.5#
 182 1.0 2.0 3.0#

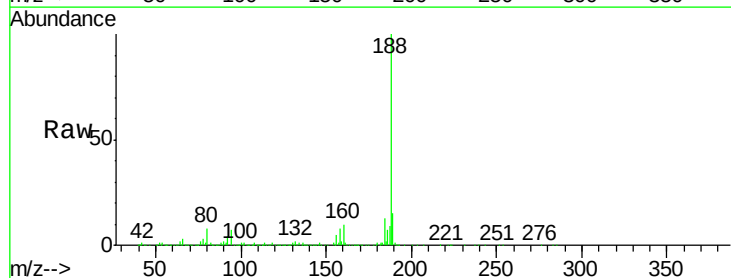


Abundance Ion 165.00 (164.70 to 165.70): E

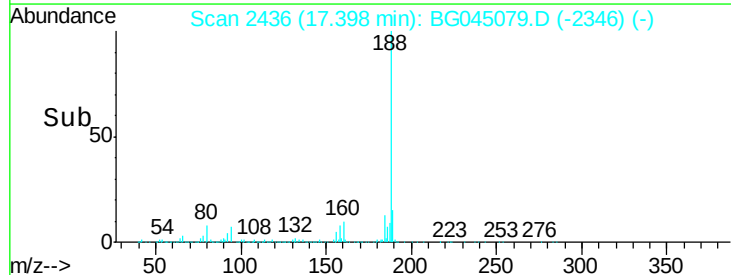
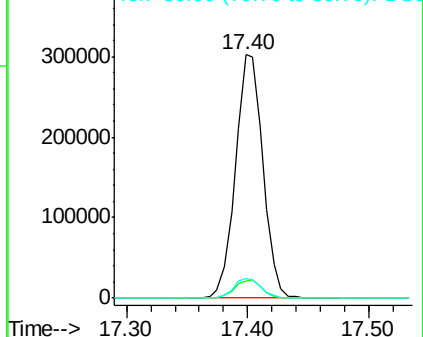


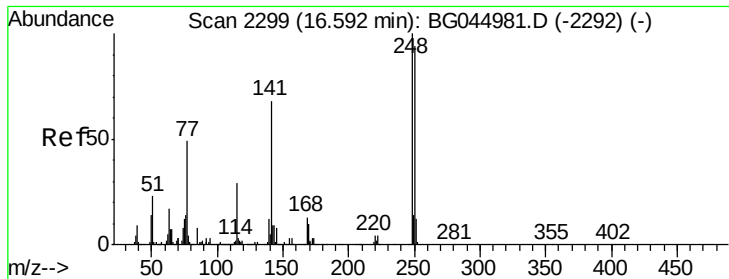
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

Tgt Ion:188 Resp: 478167
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.2 9.4
 80 8.2 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

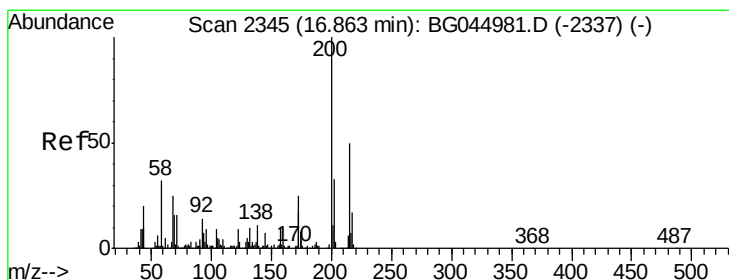
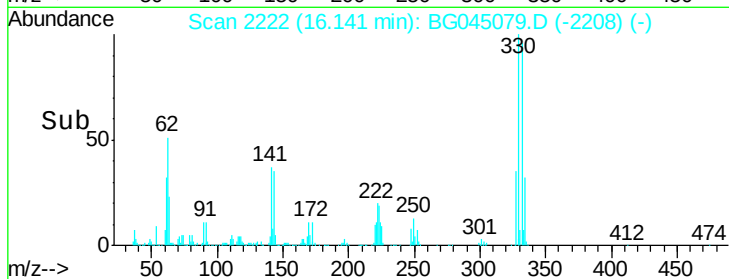
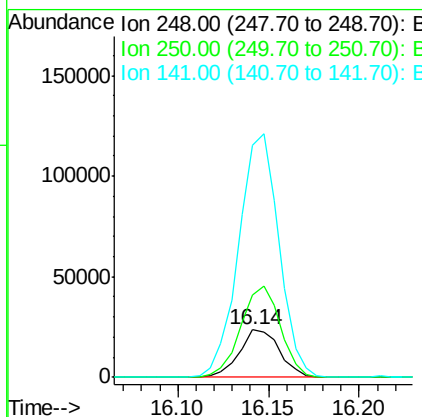
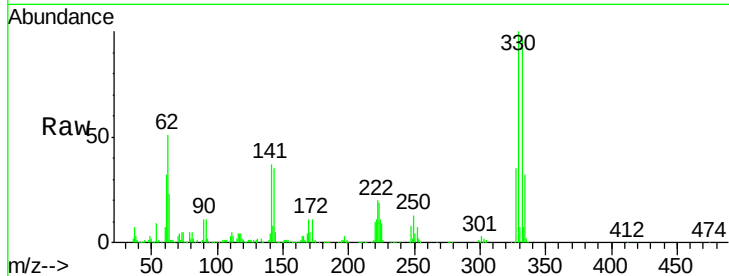




#67
 4-Bromophenyl-phenylether
 Concen: 5.914 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.45 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

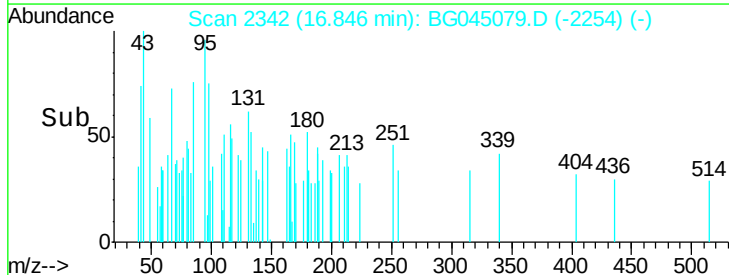
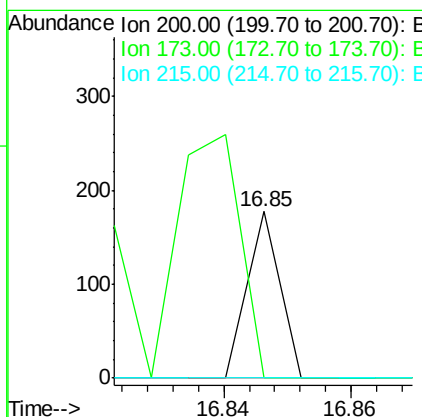
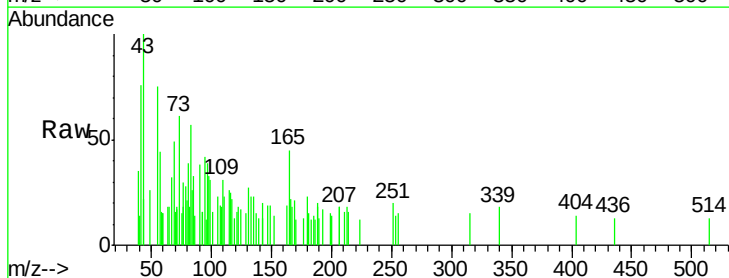
Instrument :
 BNA_G
 ClientSampleId :
 B-2

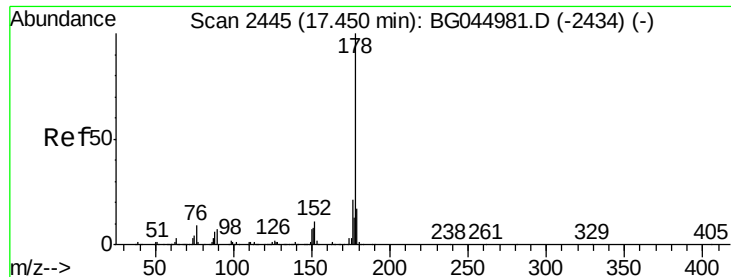
Tot Ion:248 Resp: 36483
 Ion Ratio Lower Upper
 248 100
 250 173.0 75.4 113.2#
 141 489.8 54.4 81.6#



#69
 Atrazine
 Concen: Below Cal
 RT: 16.85 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: BG045079.D
 Acq: 18 Apr 2020 23:00

Tgt Ion:200 Resp: 62
 Ion Ratio Lower Upper
 200 100
 173 0.0 4.5 44.5#
 215 0.0 30.0 70.0#





#71

Phenanthrene

Concen: 2.265 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

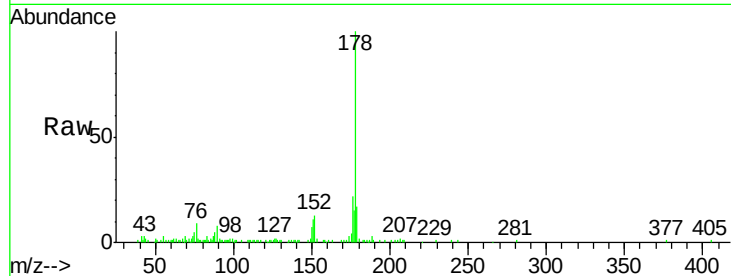
Tot Ion:178 Resp: 55651

Ion Ratio Lower Upper

178 100

176 22.0 16.8 25.2

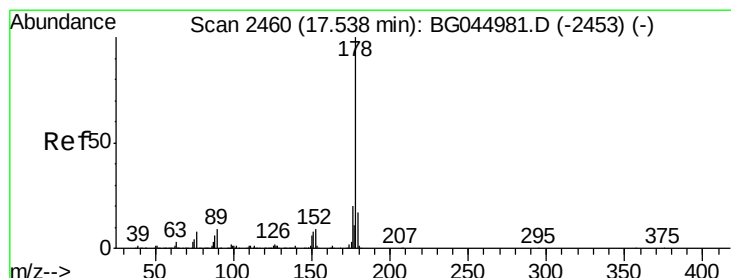
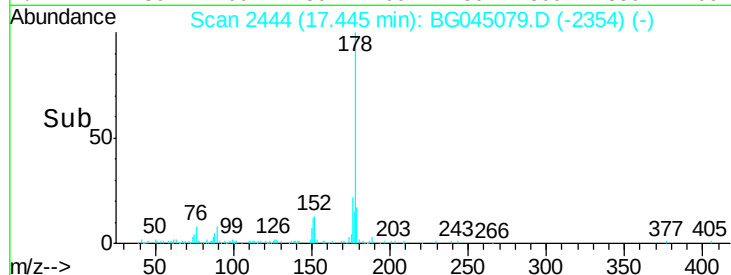
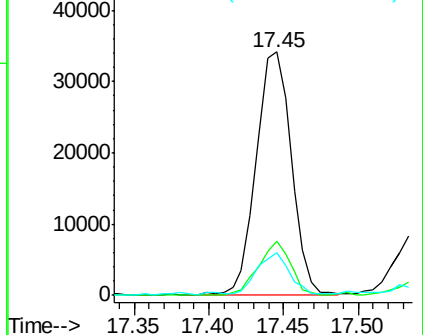
179 17.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.258 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.09 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

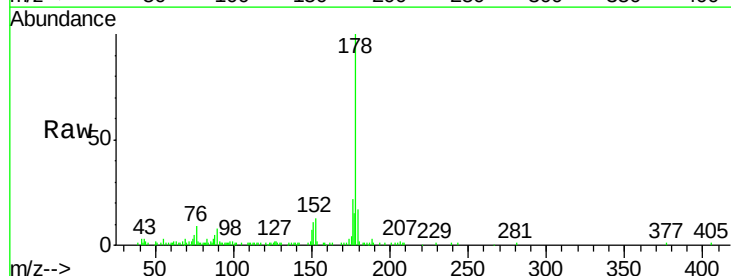
Tgt Ion:178 Resp: 55651

Ion Ratio Lower Upper

178 100

176 22.0 16.0 24.0

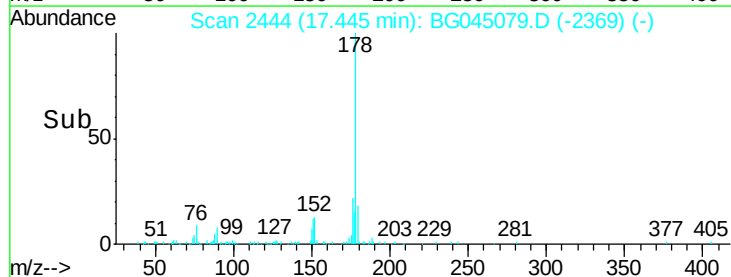
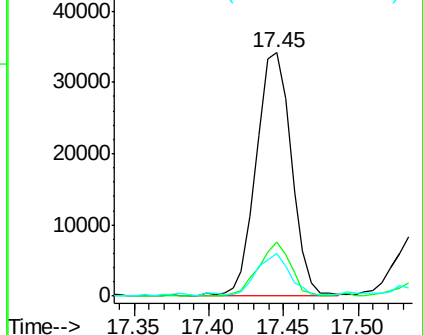
179 17.4 13.6 20.4

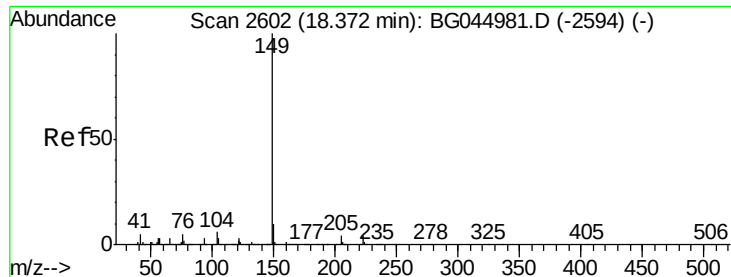


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

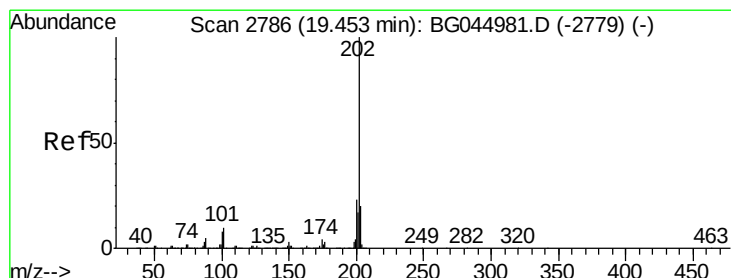
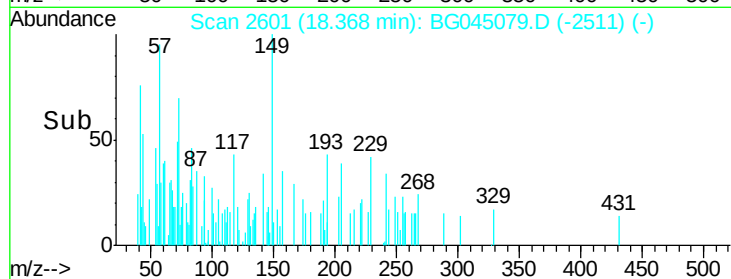
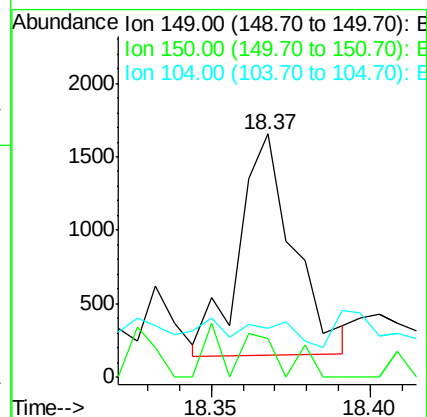
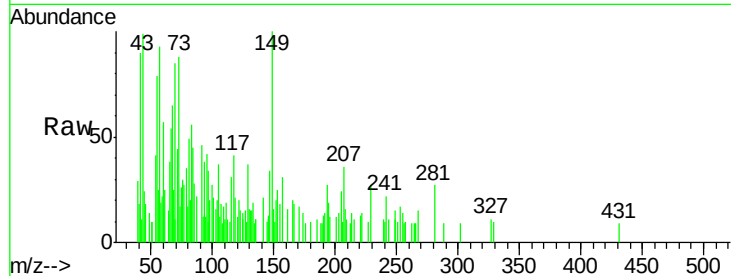




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

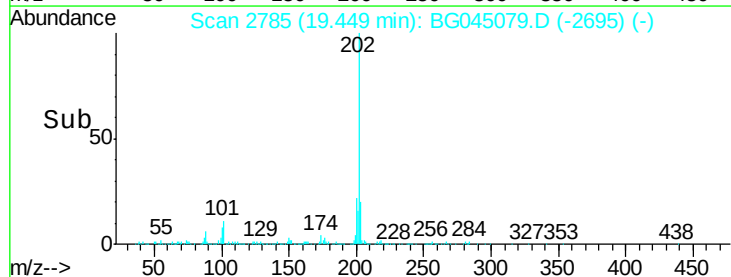
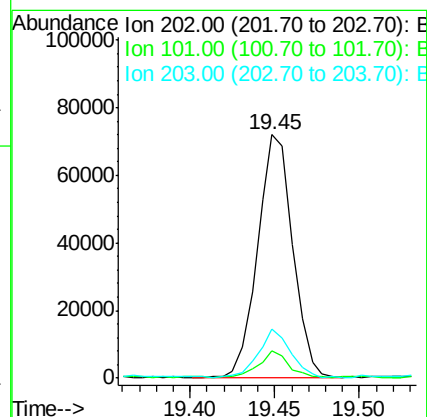
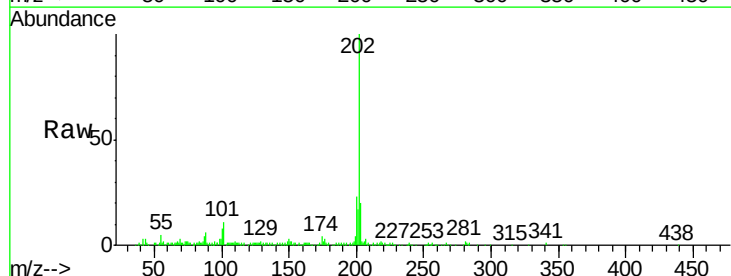
Instrument :
BNA_G
ClientSampled :
B-2

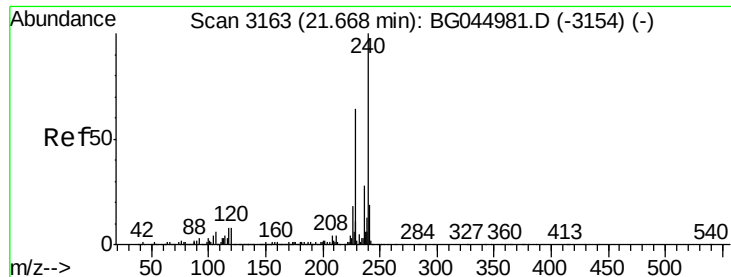
Tot Ion:149 Resp: 1791
Ion Ratio Lower Upper
149 100
150 16.1 8.2 12.2#
104 20.1 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG045079.D
Acq: 18 Apr 2020 23:00

Tgt Ion:202 Resp: 103945
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 20.3 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: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

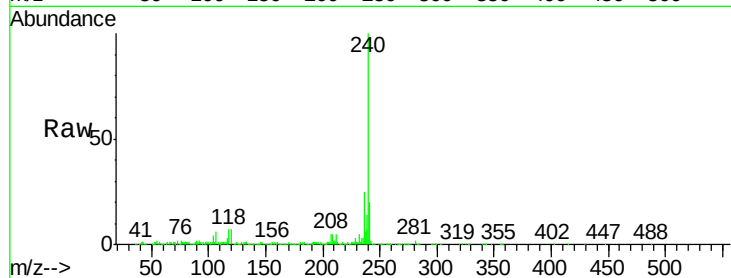
Tot Ion:240 Resp: 437566

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

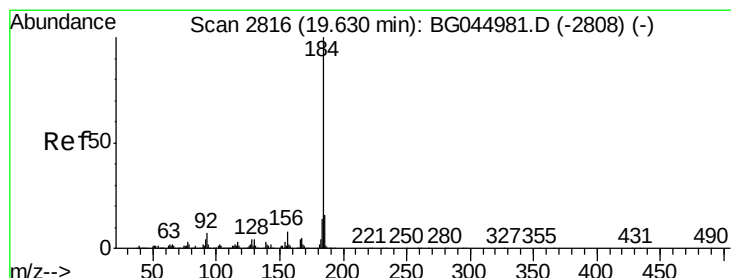
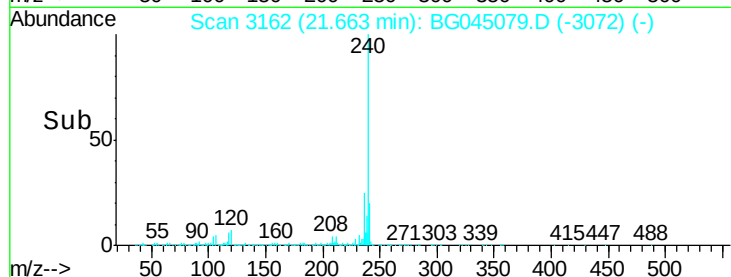
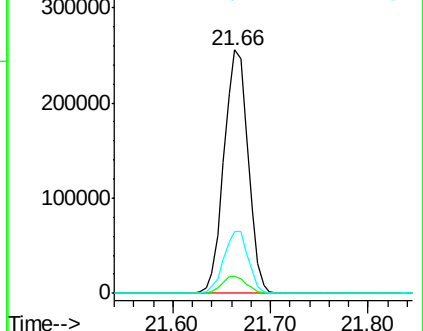
236 25.3 22.2 33.2



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: BG045079.D

Acq: 18 Apr 2020 23:00

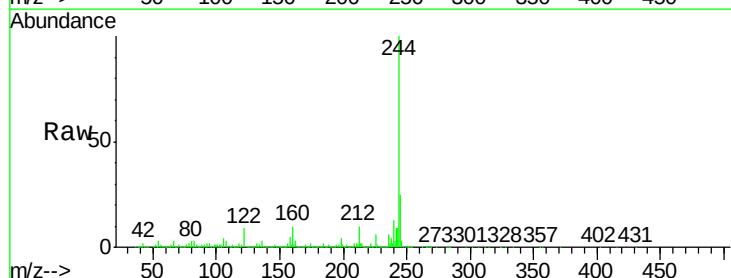
Tgt Ion:184 Resp: 48744

Ion Ratio Lower Upper

184 100

185 17.1 12.6 19.0

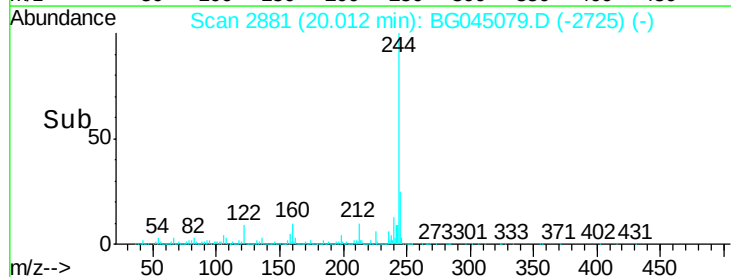
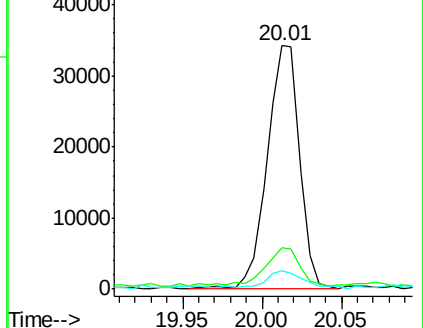
183 7.7 11.3 16.9#

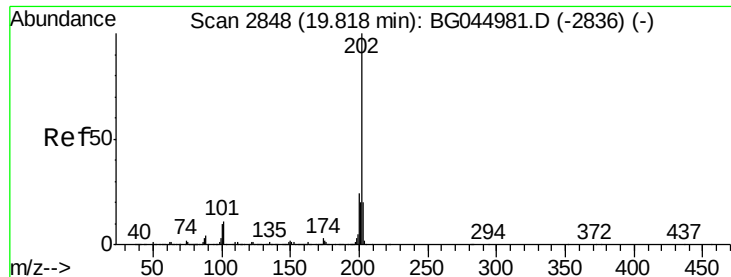


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 3.116 ng

RT: 19.81 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

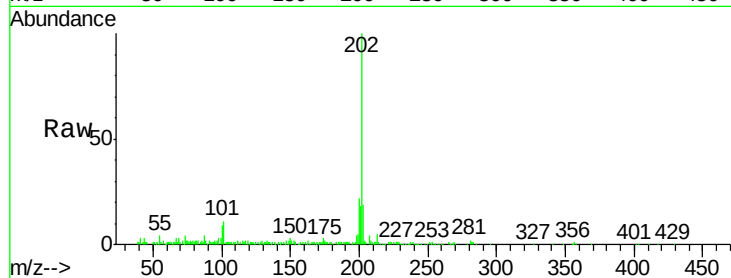
Tot Ion:202 Resp: 94010

Ion Ratio Lower Upper

202 100

200 21.6 19.0 28.6

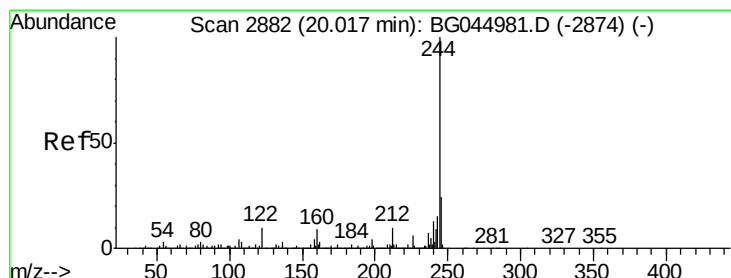
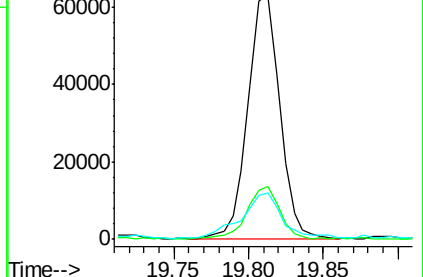
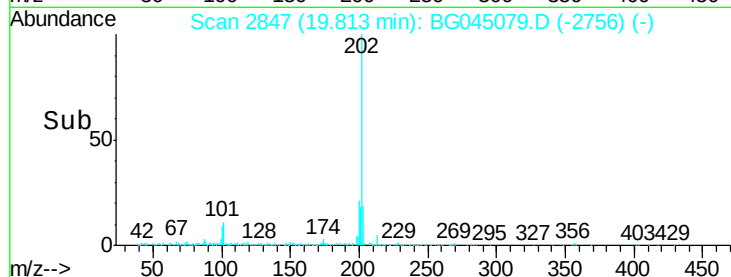
203 19.0 16.1 24.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 113.050 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

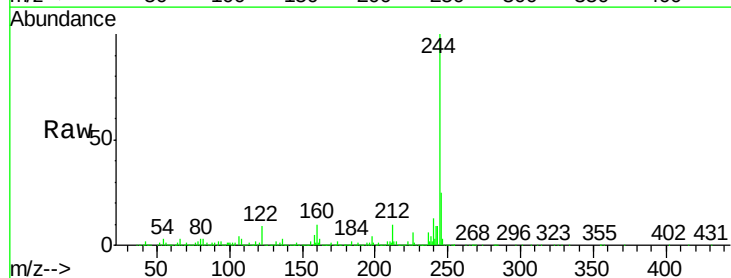
Tgt Ion:244 Resp: 2269565

Ion Ratio Lower Upper

244 100

212 10.4 7.9 11.9

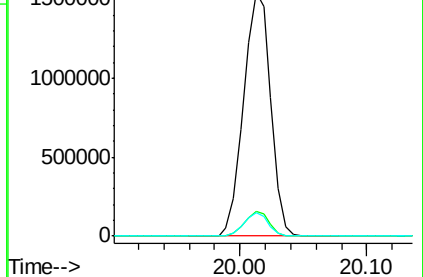
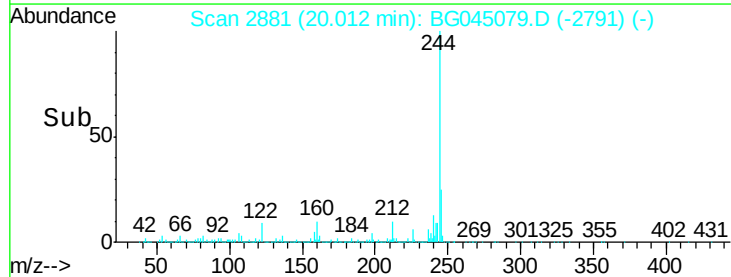
122 9.5 7.7 11.5

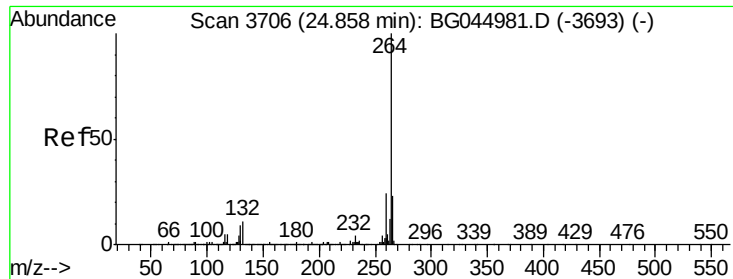


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3705

Delta R.T. -0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

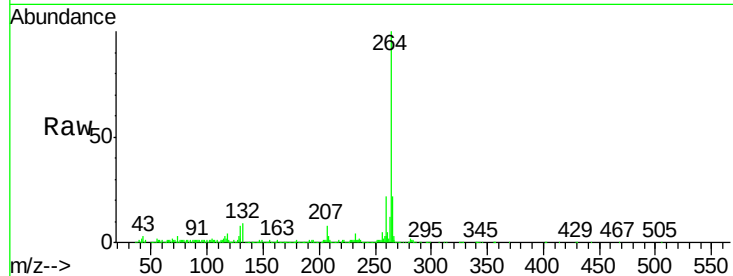
Tot Ion:264 Resp: 479611

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

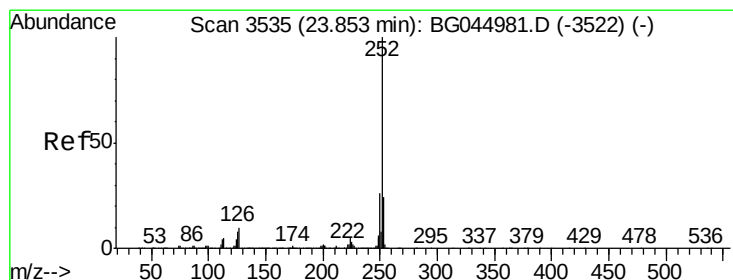
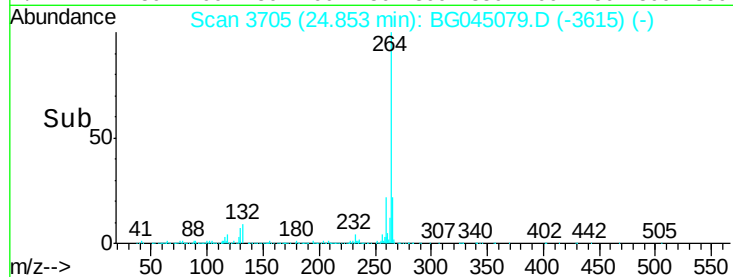
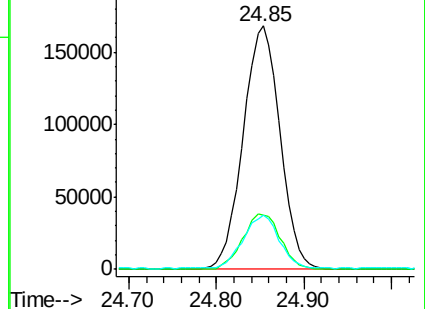
265 22.2 19.0 28.4



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



#88

Benzo(b)fluoranthene

Concen: 2.268 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

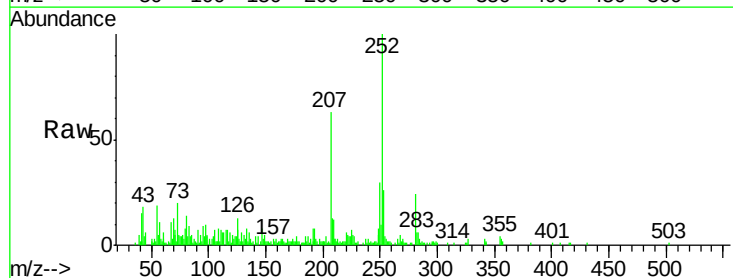
Tgt Ion:252 Resp: 68138

Ion Ratio Lower Upper

252 100

253 25.7 18.8 28.2

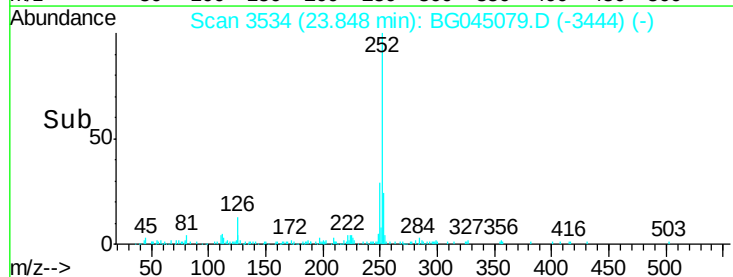
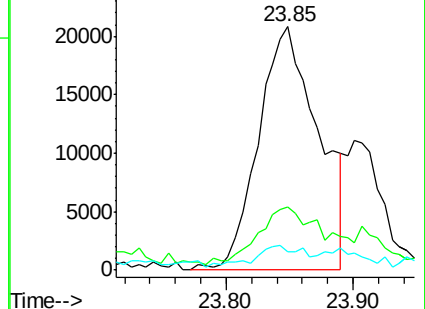
125 7.3 6.2 9.4

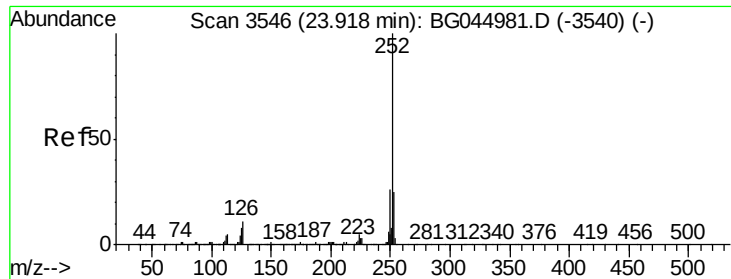


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.385 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.07 min

Lab File: BG045079.D

Acq: 18 Apr 2020 23:00

Instrument :

BNA_G

ClientSampleId :

B-2

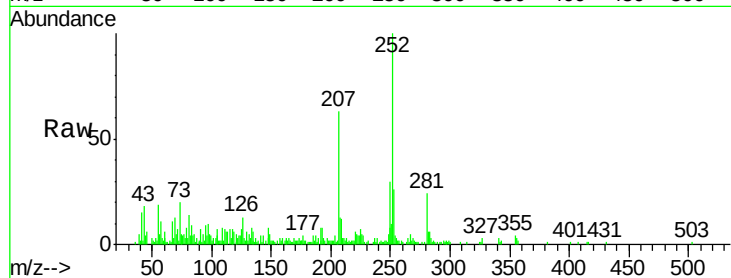
Tot Ion:252 Resp: 68138

Ion Ratio Lower Upper

252 100

253 25.7 19.2 28.8

125 7.3 5.9 8.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

