

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045461.D
 Acq On : 26 May 2020 17:34
 Operator : CG/JU
 Sample : L2744-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 27 00:57:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

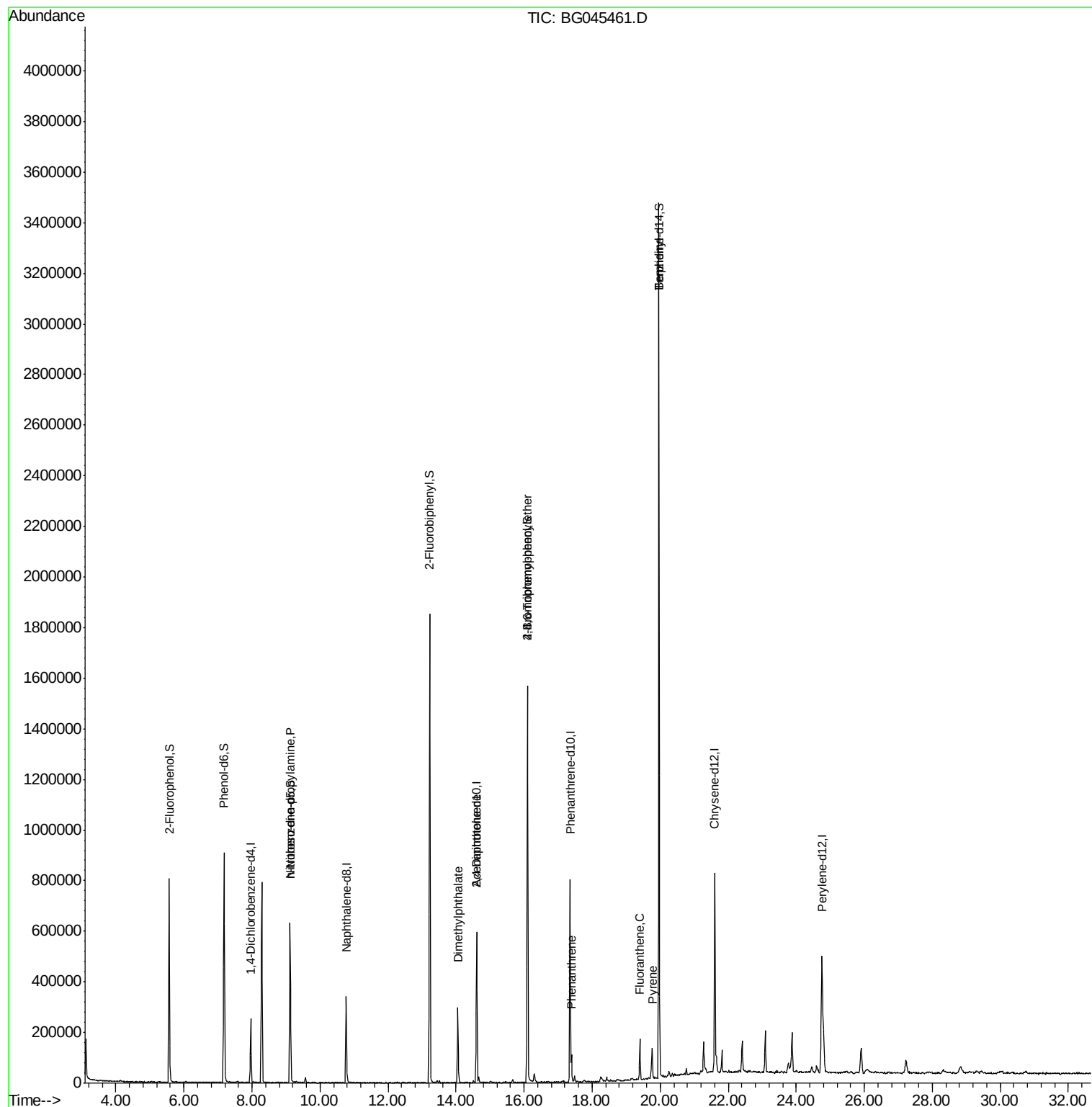
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	76390	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	314760	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	227385	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	522831	20.00	ng	0.00
76) Chrysene-d12	21.60	240	488036	20.00	ng	0.00
87) Perylene-d12	24.76	264	530448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	398018	101.83	ng	0.00
7) Phenol-d6	7.18	99	605244	108.79	ng	0.00
23) Nitrobenzene-d5	9.12	82	437007	75.71	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	330308	113.59	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1051658	78.45	ng	0.00
79) Terphenyl-d14	19.97	244	1673505	79.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	57473	14.939	ng	Qvalue # 81
50) Dimethylphthalate	14.06	163	216964	13.909	ng	99
57) 2,4-Dinitrotoluene	14.60	165	28659	5.622	ng	# 22
67) 4-Bromophenyl-phenylether	16.10	248	22462	3.968	ng	# 1
71) Phenanthrene	17.39	178	68688	3.009	ng	# 94
75) Fluoranthene	19.40	202	101332	3.490	ng	94
77) Benzidine	19.97	184	29665	2.164	ng	# 92
78) Pyrene	19.77	202	83496	3.001	ng	96

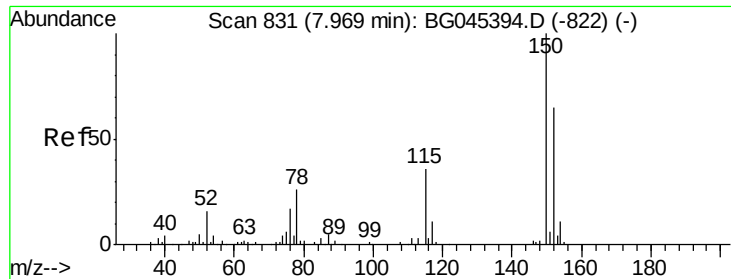
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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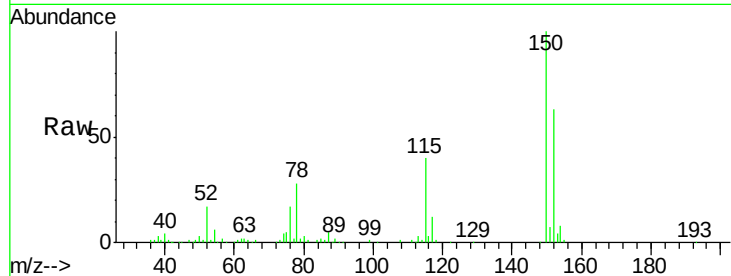


#1

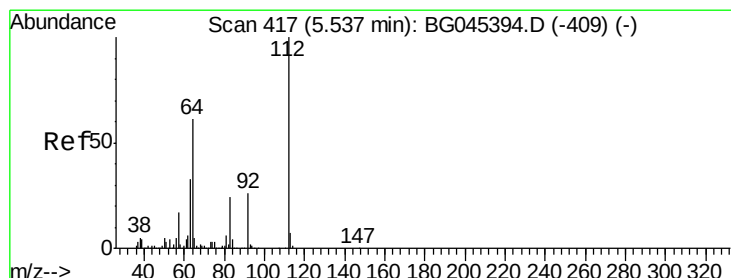
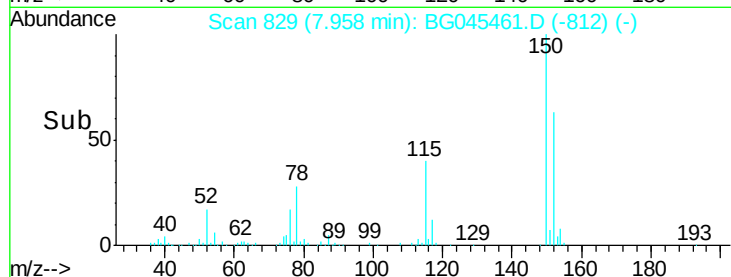
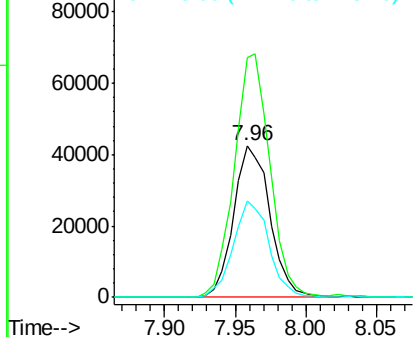
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045461.D
Acq: 26 May 2020 17:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 76390
Ion Ratio Lower Upper
152 100
150 157.7 122.4 183.6
115 63.5 44.2 66.4



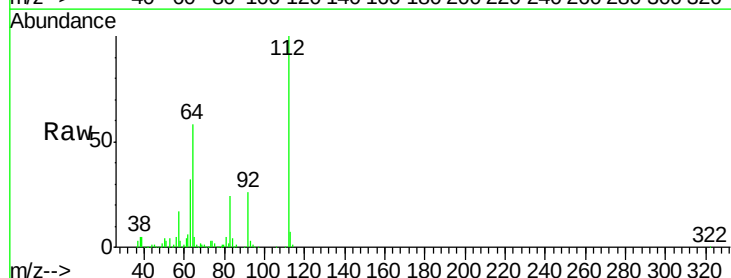
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



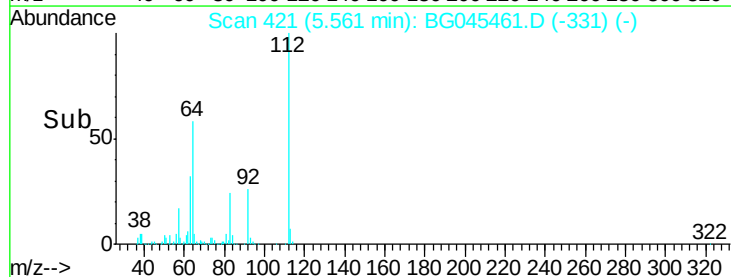
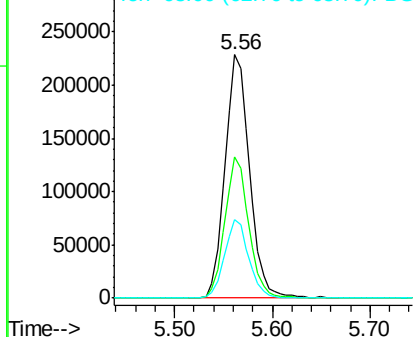
#5

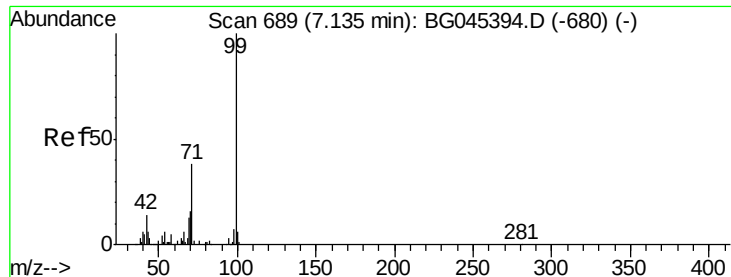
2-Fluorophenol
Concen: 101.826 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045461.D
Acq: 26 May 2020 17:34

Tgt Ion:112 Resp: 398018
Ion Ratio Lower Upper
112 100
64 58.0 48.6 72.8
63 32.1 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGO
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 108.790 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Instrument :

BNA_G

ClientSampled :

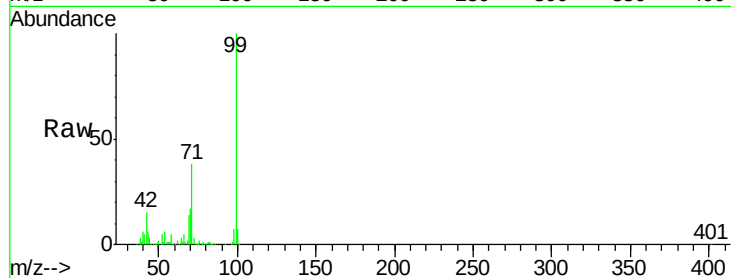
Tot Ion: 99 Resp: 605244

Ion Ratio Lower Upper

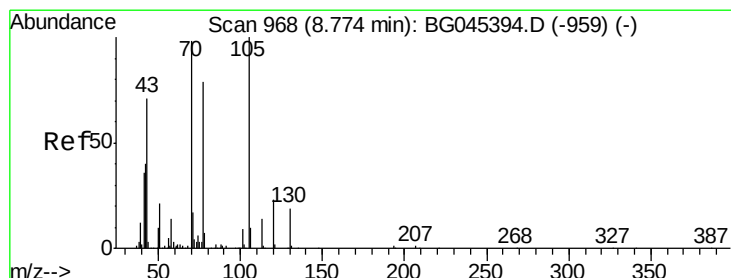
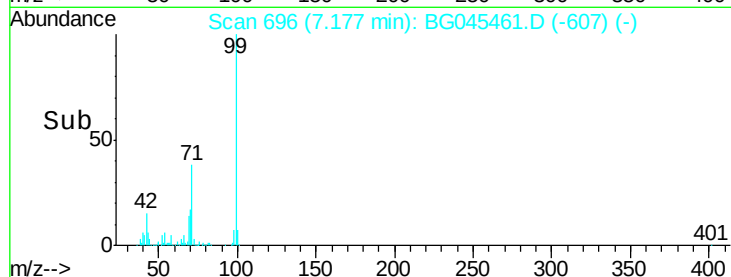
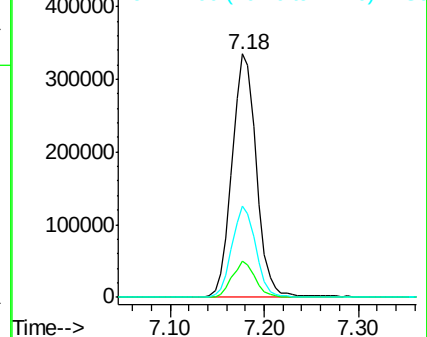
99 100

42 14.8 11.3 16.9

71 37.7 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.939 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Tgt Ion: 70 Resp: 57473

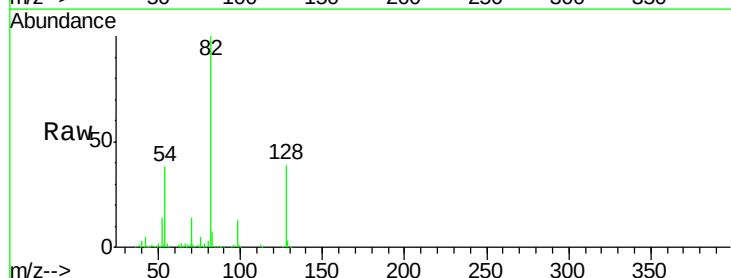
Ion Ratio Lower Upper

70 100

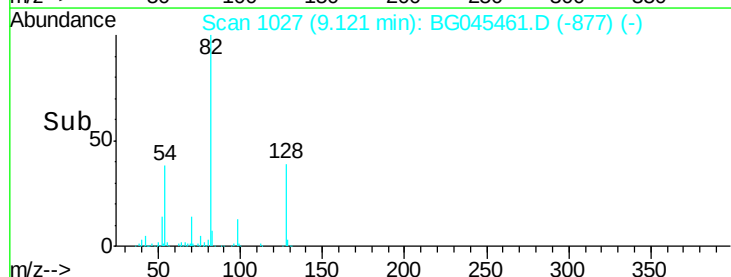
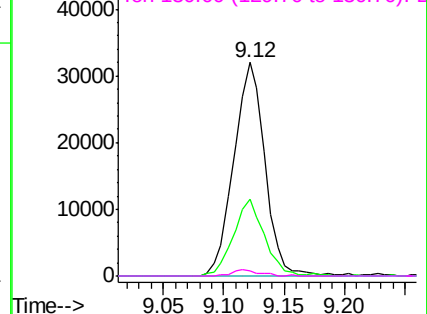
42 35.8 33.2 49.8

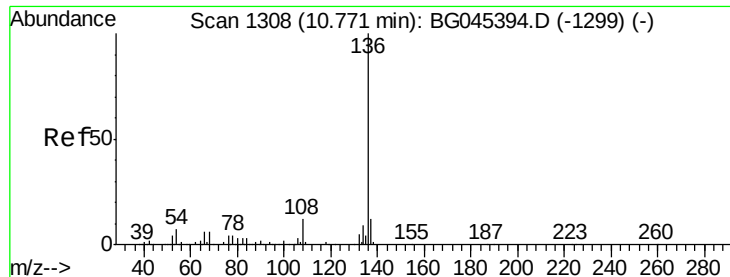
101 0.0 7.8 11.6#

130 2.5 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

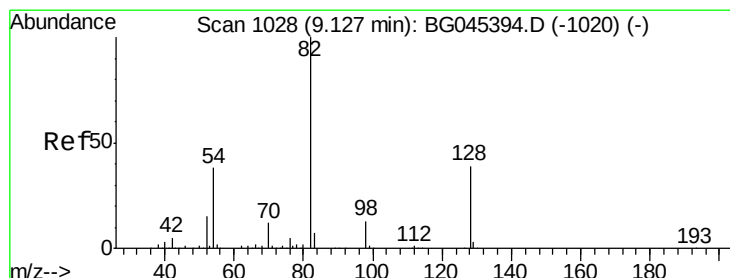
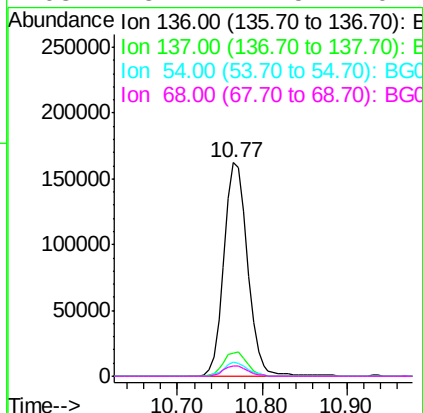
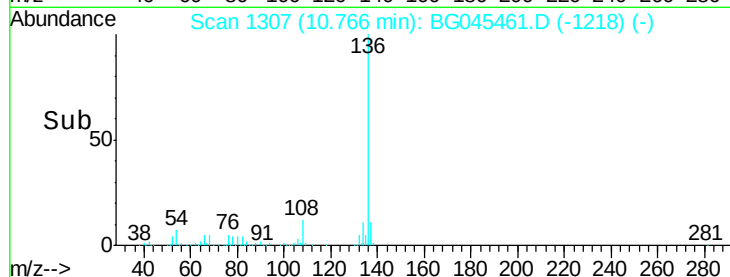
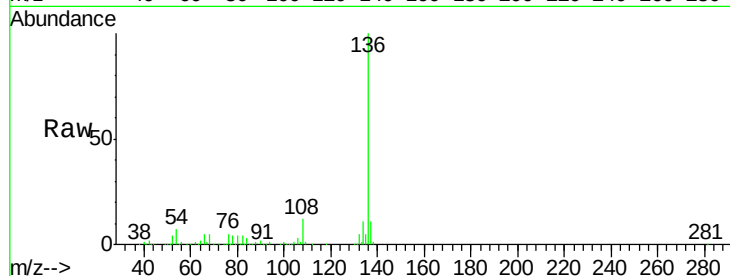




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG045461.D
Acq: 26 May 2020 17:34

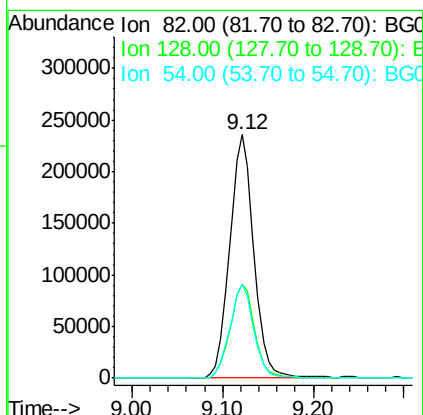
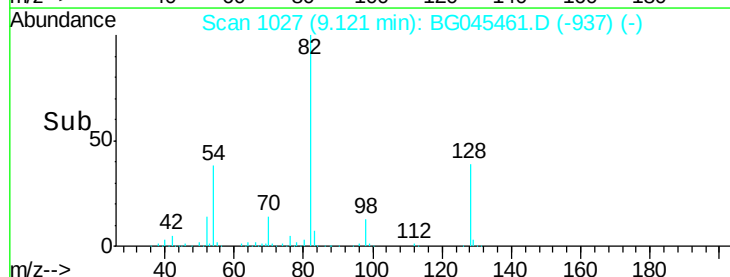
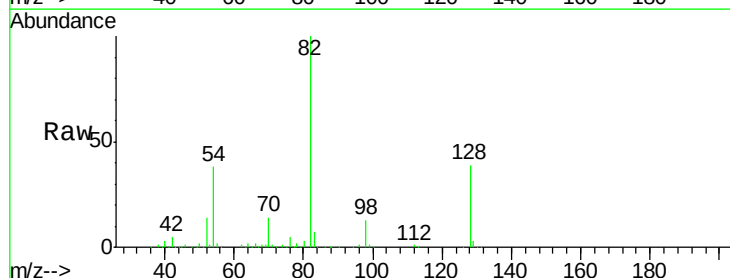
Instrument :
BNA_G
ClientSampleId :

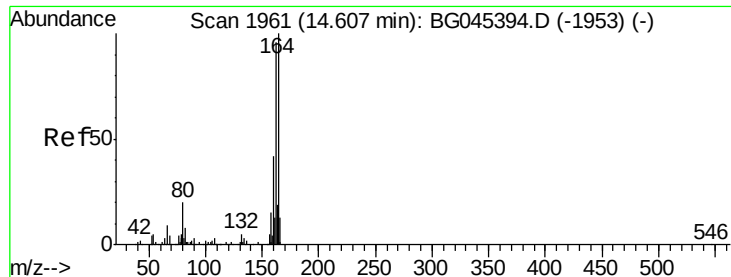
Tot Ion:136	Resp:	314760	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.4	14.2	
54 6.6	5.8	8.6	
68 5.1	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 75.711 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045461.D
Acq: 26 May 2020 17:34

Tgt	Ion: 82	Resp:	437007
Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.9	46.3
54	38.4	30.3	45.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Instrument :

BNA_G

ClientSampleId :

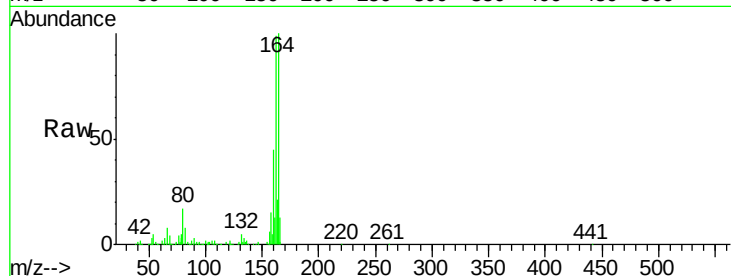
Tot Ion:164 Resp: 227385

Ion Ratio Lower Upper

164 100

162 99.4 76.9 115.3

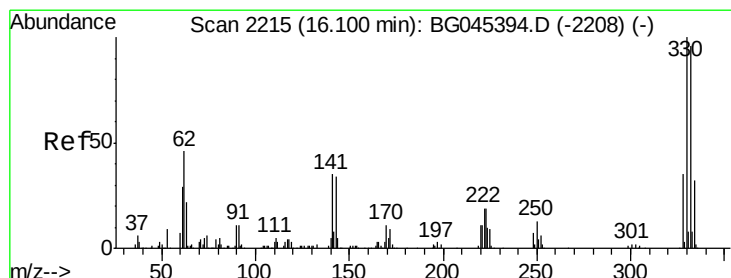
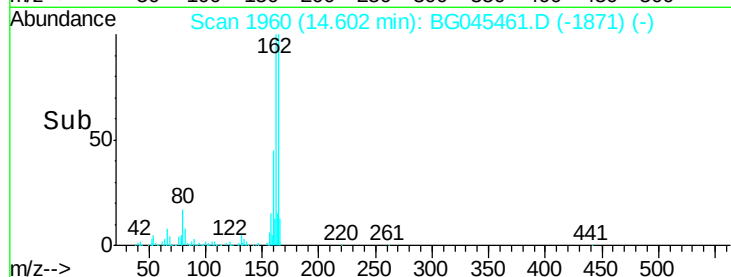
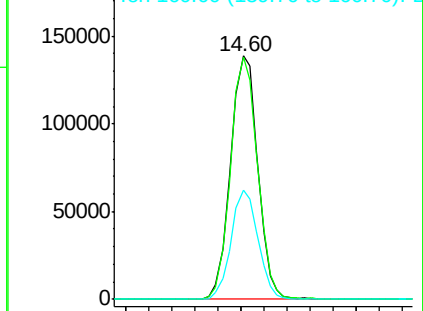
160 44.7 33.8 50.8



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: 113.586 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

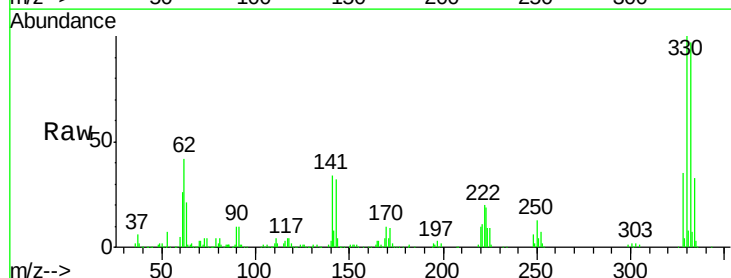
Tgt Ion:330 Resp: 330308

Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.4

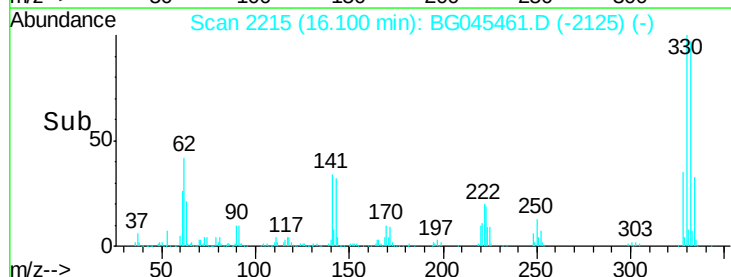
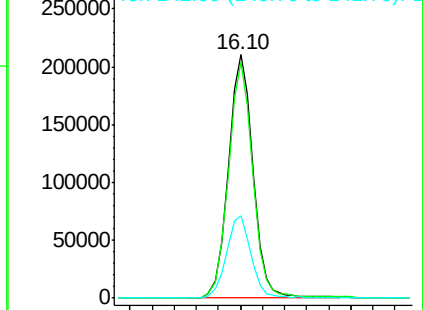
141 33.9 28.2 42.4

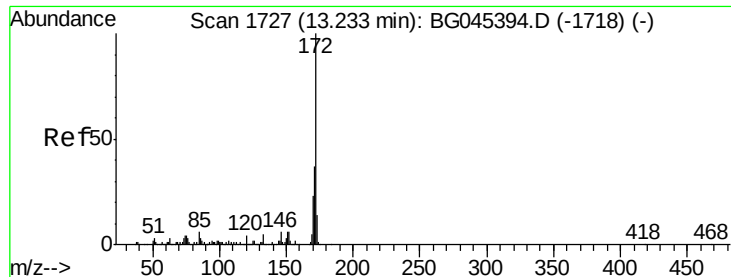


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 78.450 ng

RT: 13.23 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

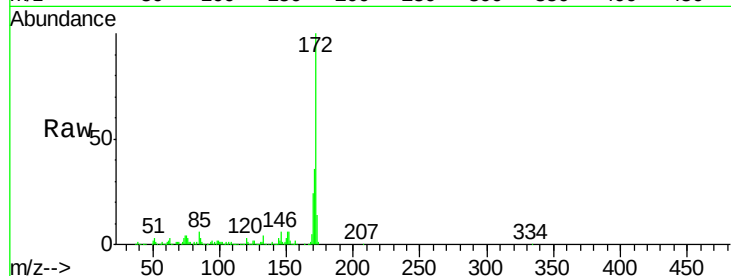
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1051658

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.5	44.3
170	24.1	18.5	27.7

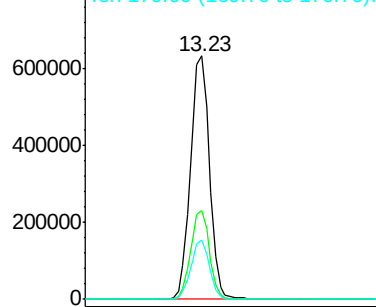


Abundance

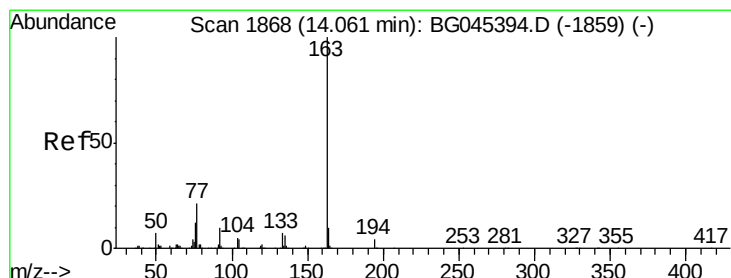
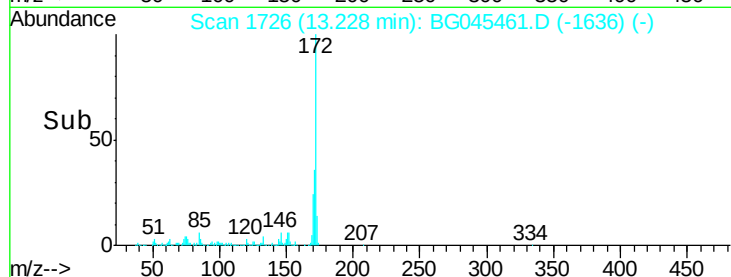
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#50

Dimethylphthalate

Concen: 13.909 ng

RT: 14.06 min Scan# 1867

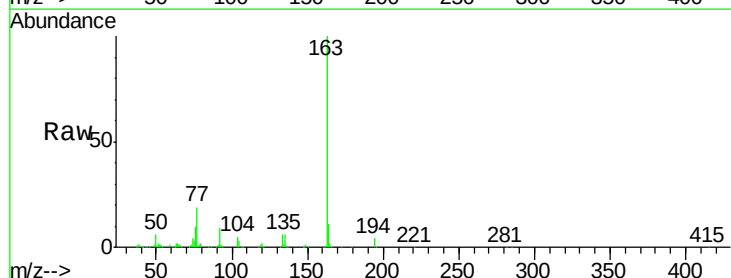
Delta R.T. -0.01 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Tgt Ion:163 Resp: 216964

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.7	8.3	12.5

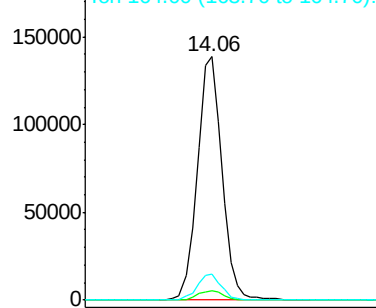


Abundance

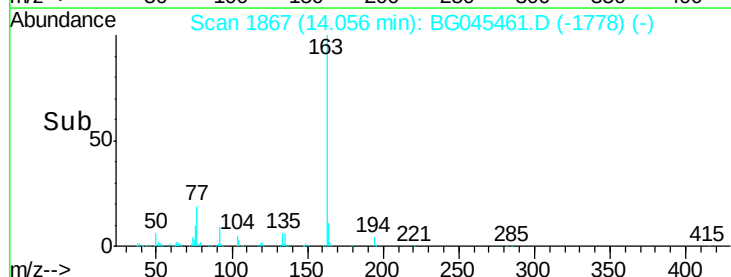
Ion 163.00 (162.70 to 163.70): E

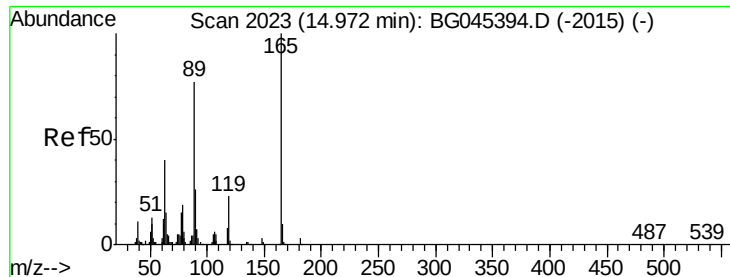
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->

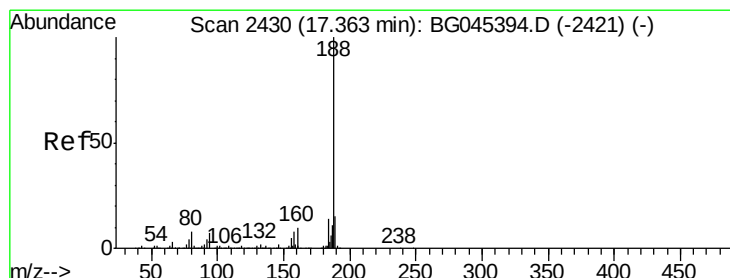
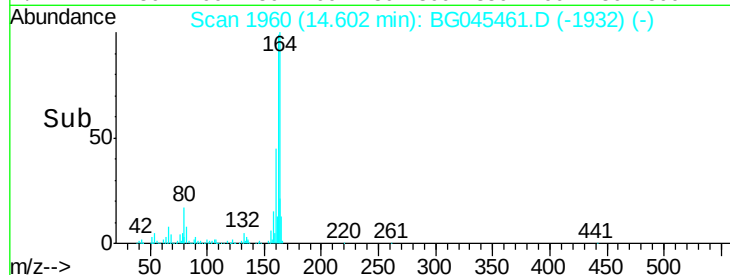
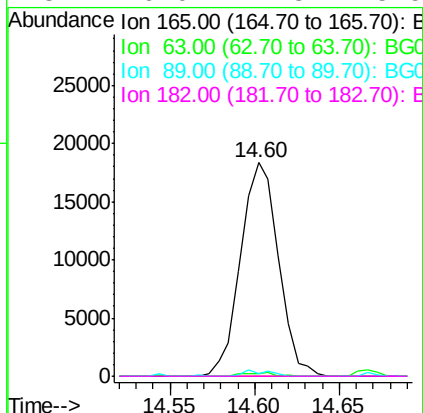
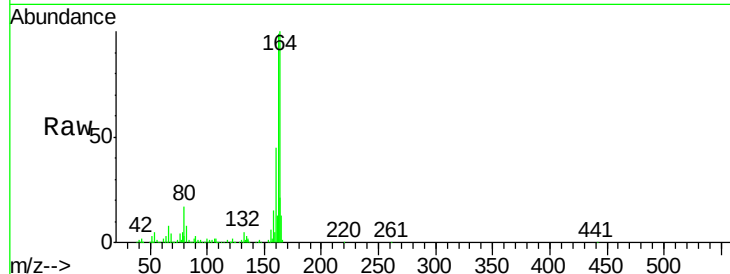




#57
 2,4-Dinitrotoluene
 Concen: 5.622 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045461.D
 Acq: 26 May 2020 17:34

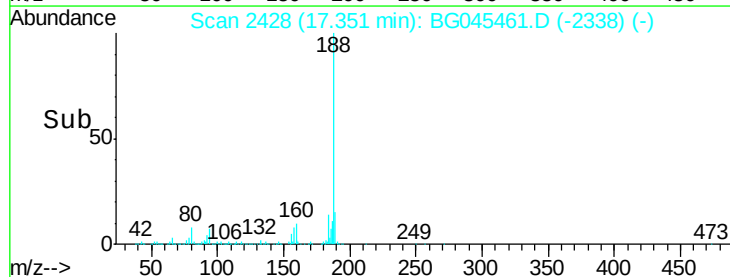
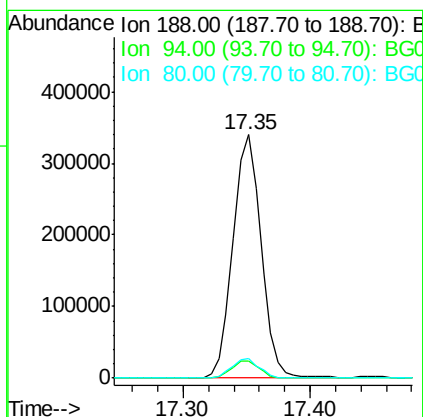
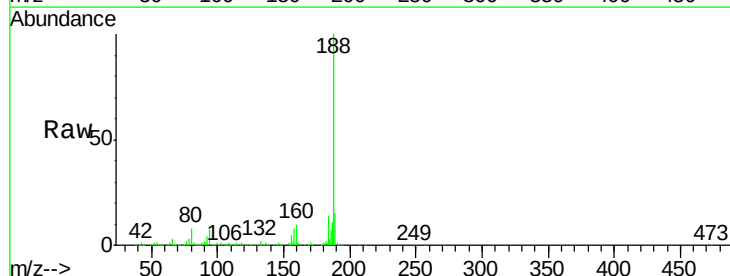
Instrument :
 BNA_G
 ClientSampleId :

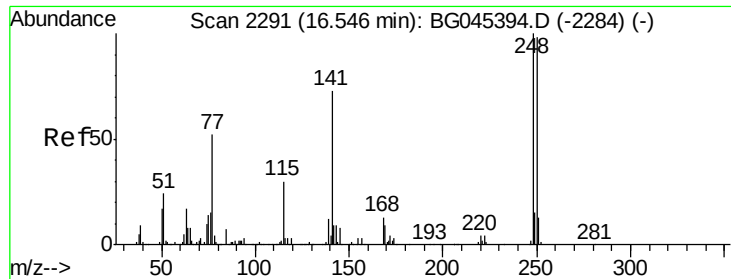
Tot Ion:165 Resp: 28659
 Ion Ratio Lower Upper
 165 100
 63 1.0 32.5 48.7#
 89 1.2 61.8 92.6#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG045461.D
 Acq: 26 May 2020 17:34

Tgt Ion:188 Resp: 522831
 Ion Ratio Lower Upper
 188 100
 94 7.2 5.5 8.3
 80 8.0 6.6 10.0

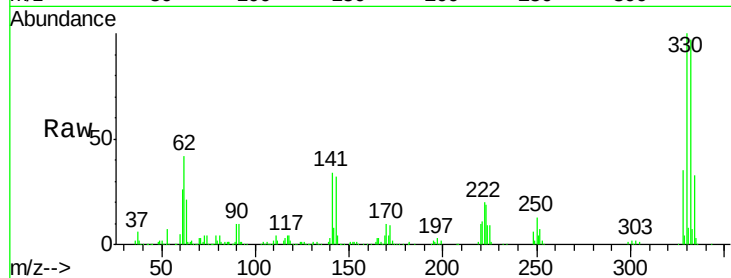




#67
 4-Bromophenyl-phenylether
 Concen: 3.968 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045461.D
 Acq: 26 May 2020 17:34

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	208.4	78.6	117.8#
141	538.7	58.2	87.2#

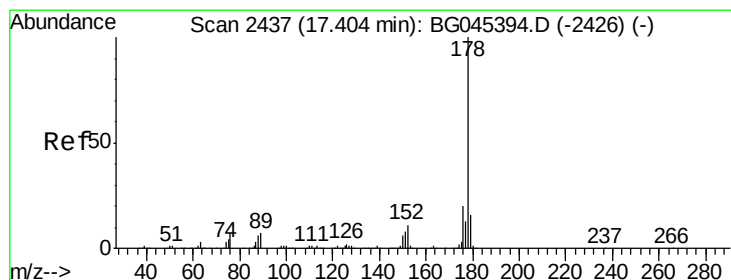
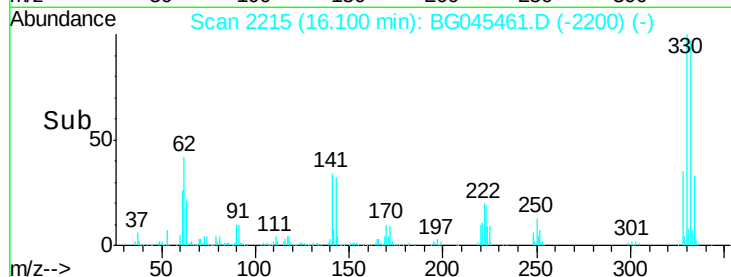
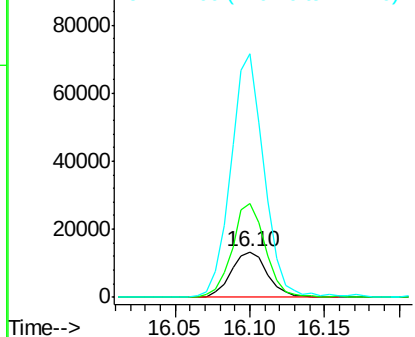


Abundance

Ion 248.00 (247.70 to 248.70): E

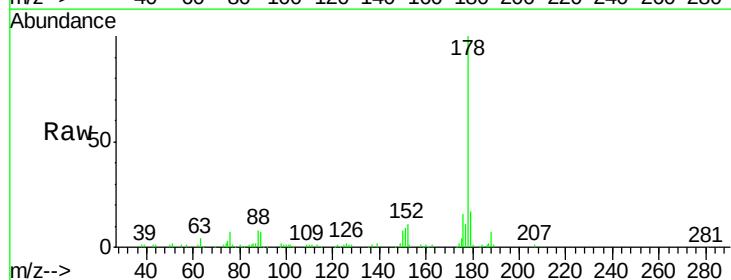
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.009 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: BG045461.D
 Acq: 26 May 2020 17:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.7	16.2	24.4#
179	16.8	13.1	19.7

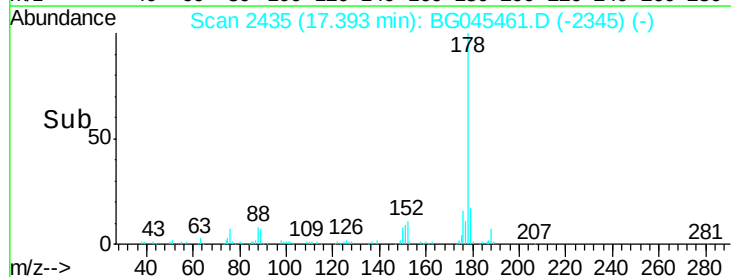
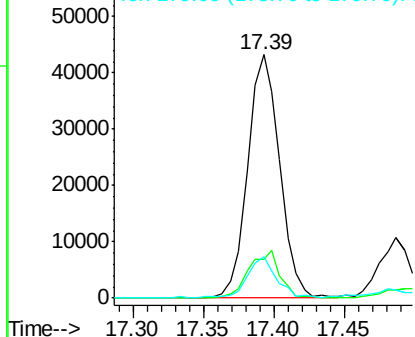


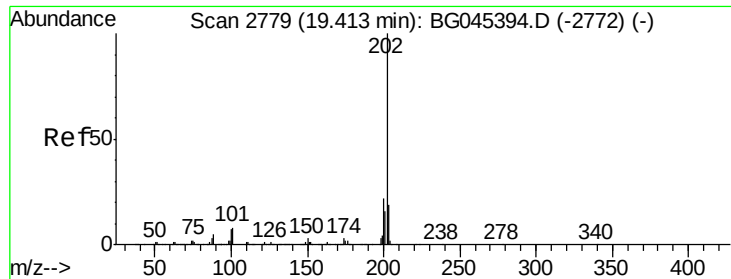
Abundance

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





#75

Fluoranthene

Concen: 3.490 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BG045461.D

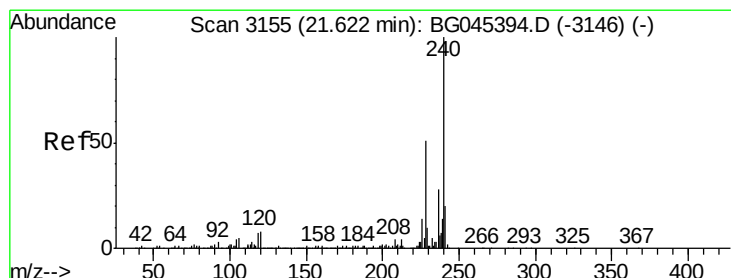
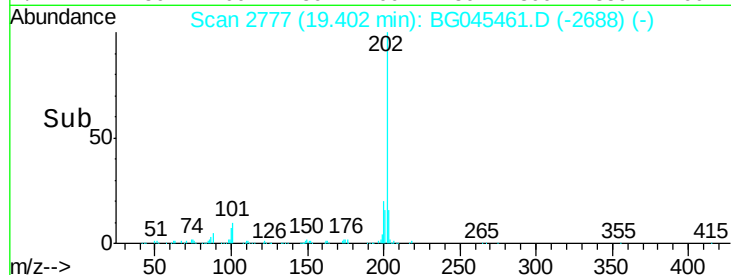
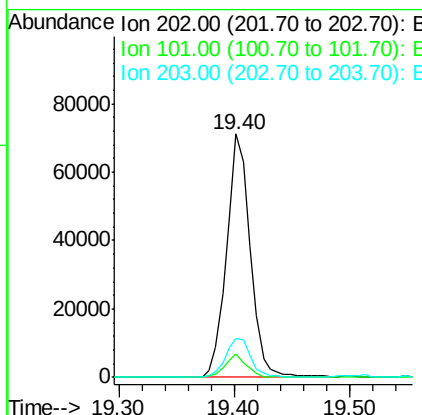
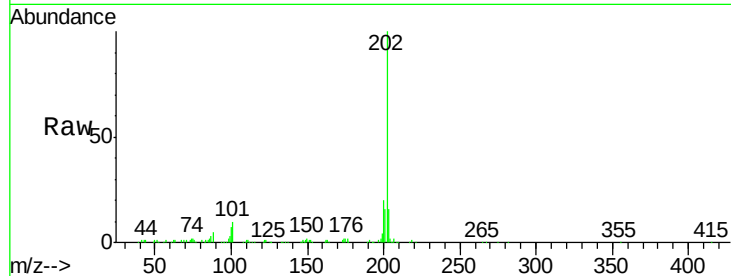
Acq: 26 May 2020 17:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	101332
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	28.3
203	16.0	0.0	39.0



#76

Chrysene-d12

Concen: 20.000 ng

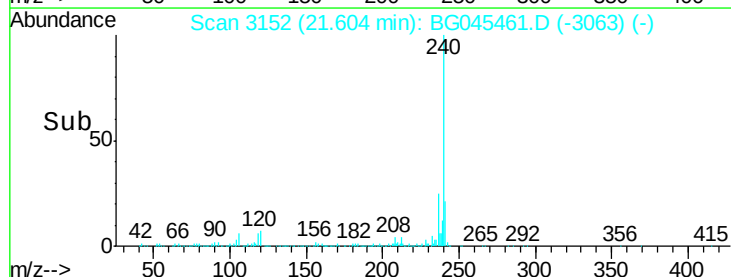
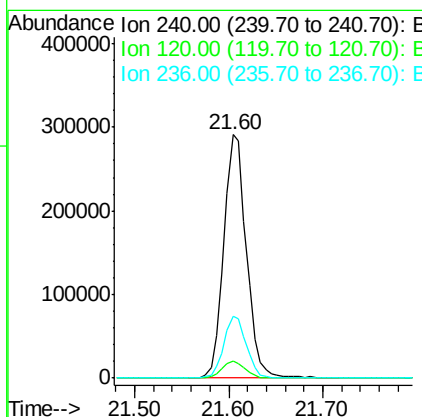
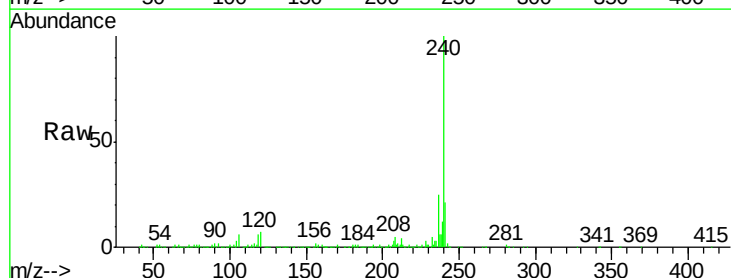
RT: 21.60 min Scan# 3152

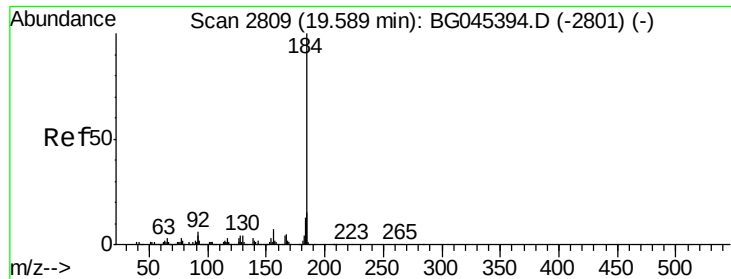
Delta R.T. -0.01 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Tgt Ion:	240	Resp:	488036
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.1	9.1
236	25.4	22.3	33.5





#77

Benzidine

Concen: 2.164 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Instrument :

BNA_G

ClientSampleId :

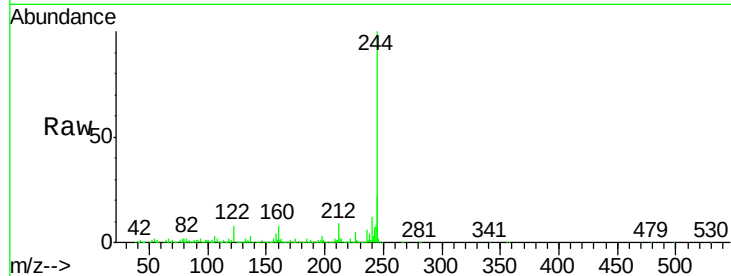
Tot Ion:184 Resp: 29665

Ion Ratio Lower Upper

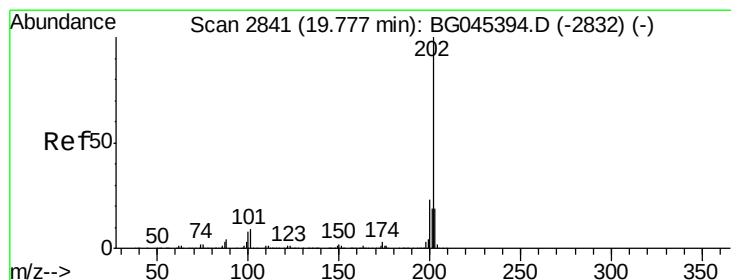
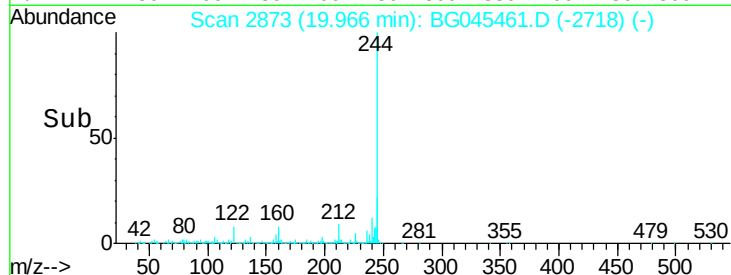
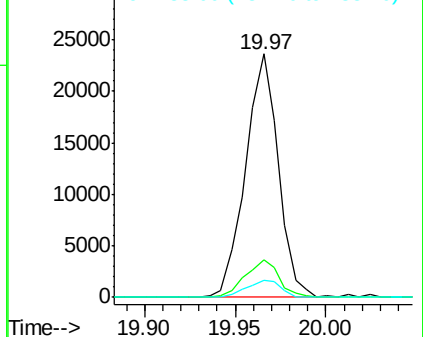
184 100

185 15.3 11.7 17.5

183 6.8 10.2 15.4#



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

Pyrene

Concen: 3.001 ng

RT: 19.77 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

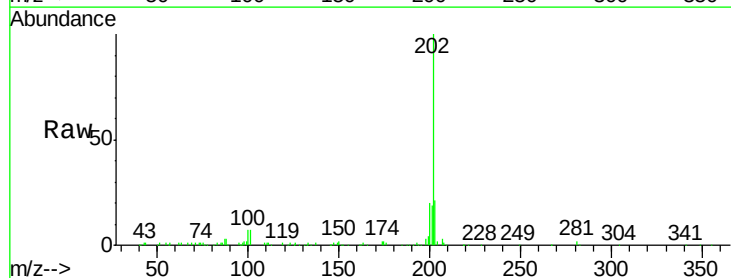
Tgt Ion:202 Resp: 83496

Ion Ratio Lower Upper

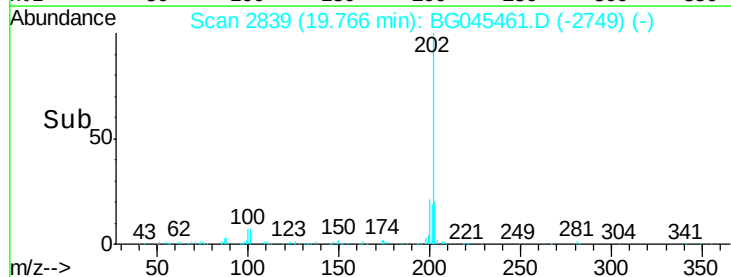
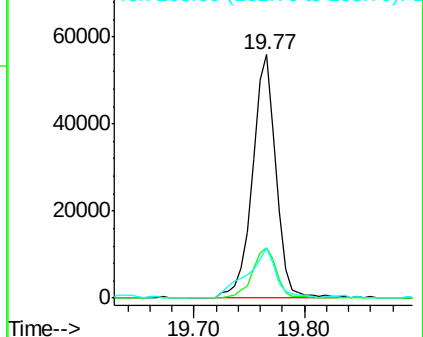
202 100

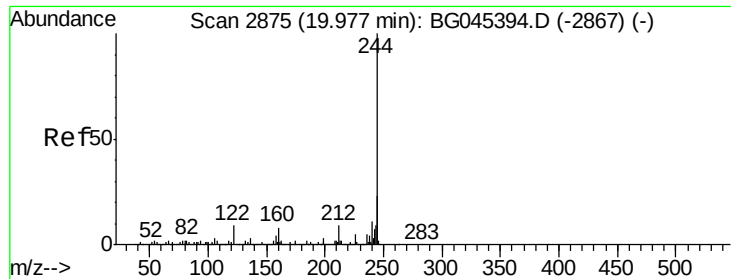
200 20.5 18.2 27.2

203 20.7 15.1 22.7



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: 79.976 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

Instrument :

BNA_G

ClientSampleId :

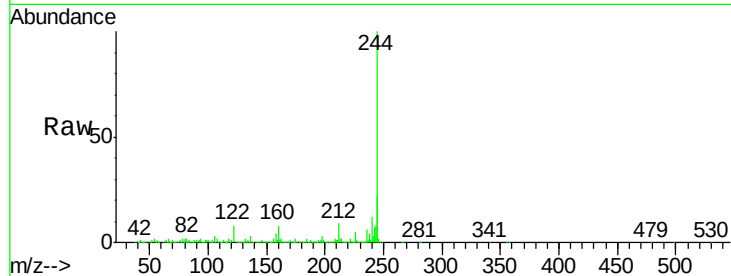
Tot Ion:244 Resp: 1673505

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.0

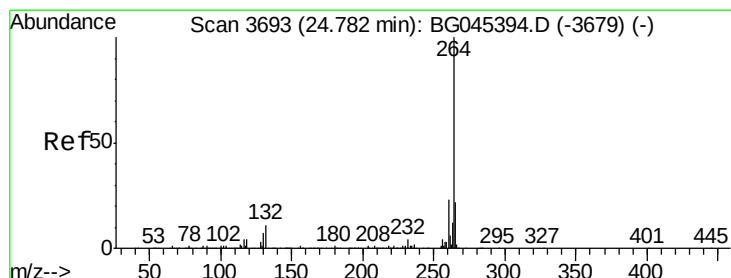
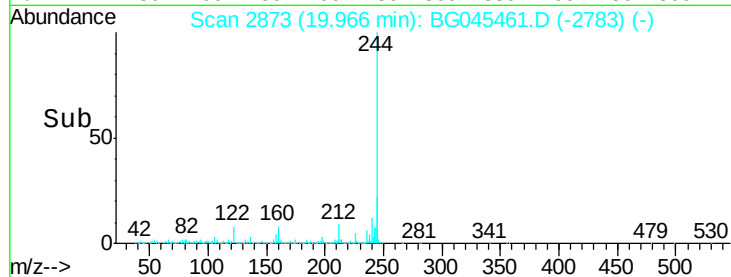
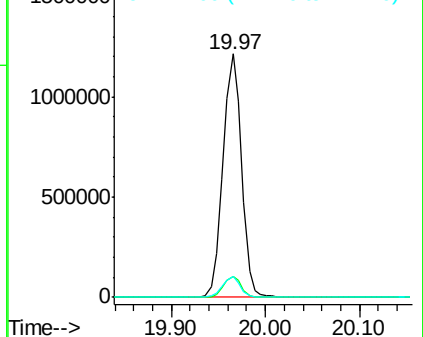
122 8.3 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BG045461.D

Acq: 26 May 2020 17:34

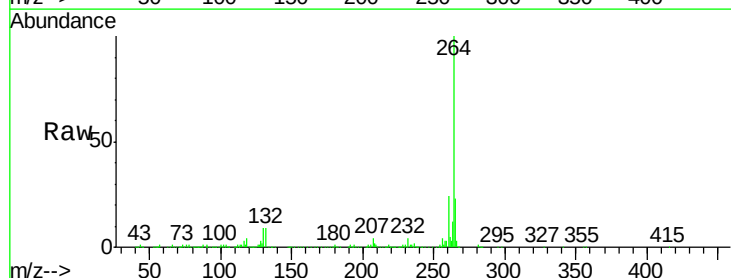
Tgt Ion:264 Resp: 530448

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.6 17.6 26.4



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

