

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045504.D
 Acq On : 28 May 2020 19:36
 Operator : CG/JU
 Sample : L2498-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220

Quant Time: May 29 01:41:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

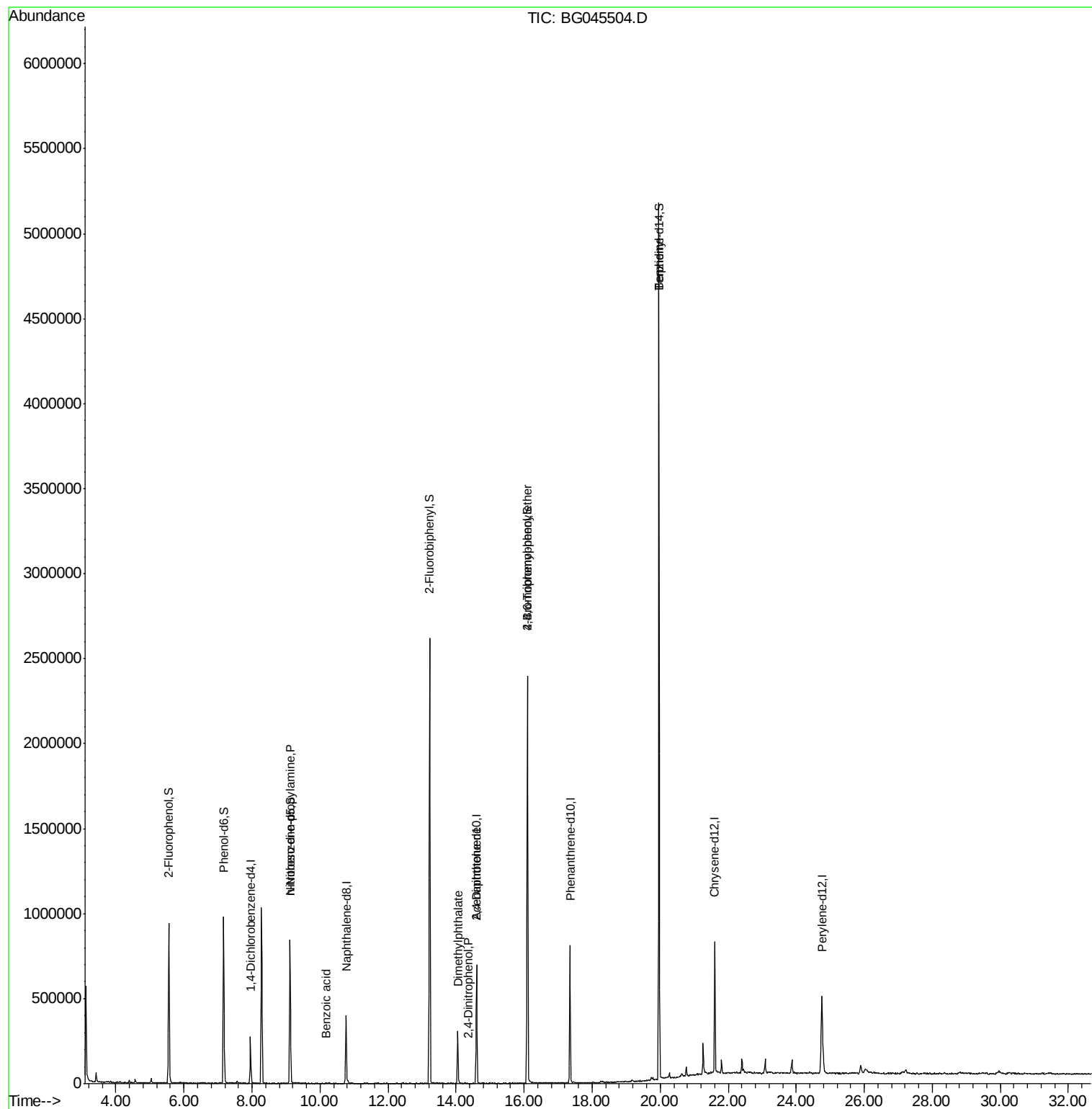
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	86426	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	350736	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	251417	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	539548	20.00	ng	0.00
76) Chrysene-d12	21.60	240	492268	20.00	ng	0.00
87) Perylene-d12	24.76	264	523444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	469701	106.21	ng	0.00
7) Phenol-d6	7.16	99	661478	105.09	ng	0.00
23) Nitrobenzene-d5	9.12	82	577666	89.81	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	512827	159.49	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1418409	95.69	ng	0.00
79) Terphenyl-d14	19.96	244	2385019	113.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	79330	18.226	ng	Qvalue # 82
32) Benzoic acid	10.18	122	55	10.037	ng	# 1
50) Dimethylphthalate	14.05	163	204681	11.868	ng	99
54) 2,4-Dinitrophenol	14.37	184	60	5.481	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	32209	5.715	ng	# 21
67) 4-Bromophenyl-phenylether	16.10	248	34364	5.882	ng	# 1
77) Benzidine	19.96	184	48333	3.496	ng	# 89

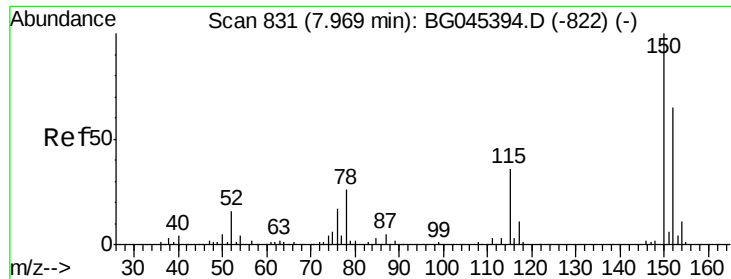
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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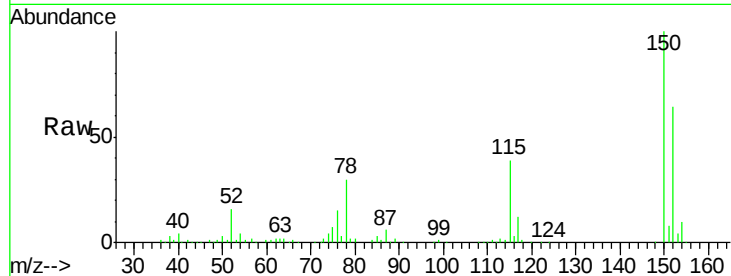


#1

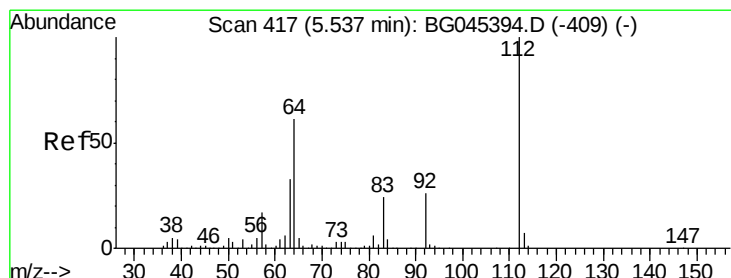
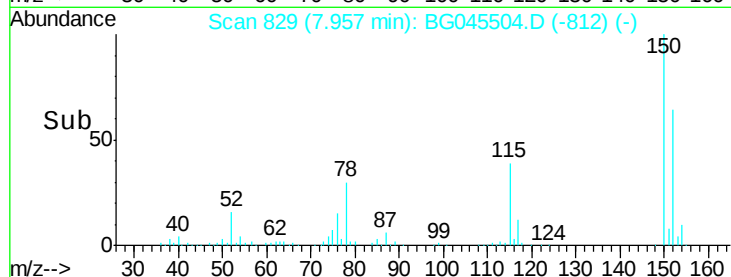
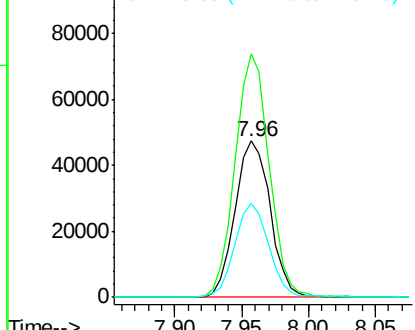
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG045504.D
Acq: 28 May 2020 19:36

Instrument :
BNA_G
ClientSampleId :
CL-01-052220

Tot Ion:152 Resp: 86426
Ion Ratio Lower Upper
152 100
150 155.6 122.4 183.6
115 60.3 44.2 66.4



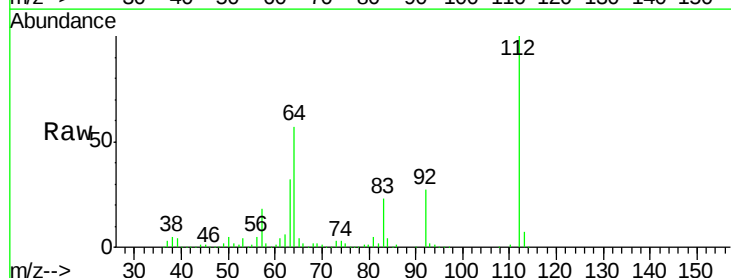
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



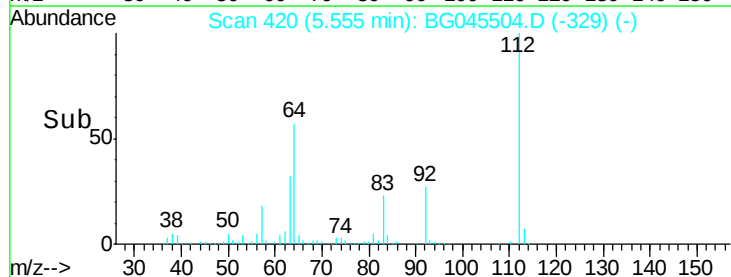
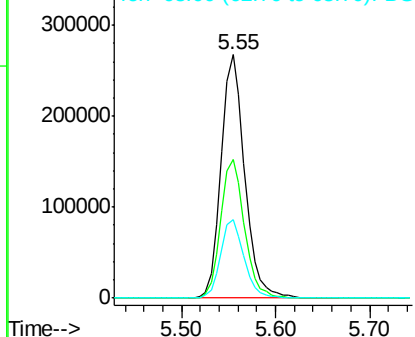
#5

2-Fluorophenol
Concen: 106.211 ng
RT: 5.55 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045504.D
Acq: 28 May 2020 19:36

Tgt Ion:112 Resp: 469701
Ion Ratio Lower Upper
112 100
64 56.8 48.6 72.8
63 32.2 26.5 39.7



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





#7

Phenol-d6

Concen: 105.091 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Instrument :

BNA_G

ClientSampleId :

CL-01-052220

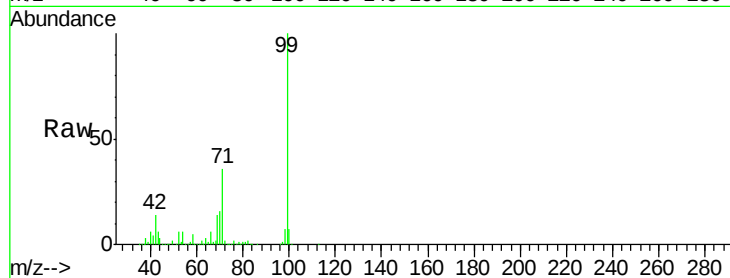
Tot Ion: 99 Resp: 661478

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

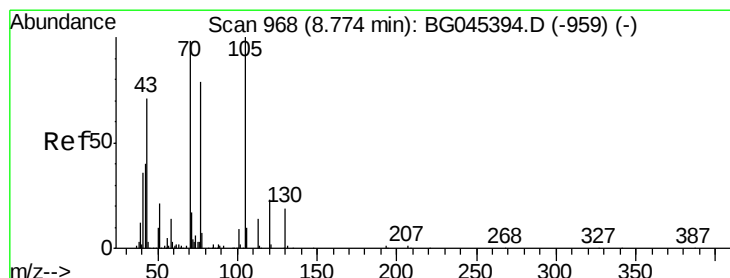
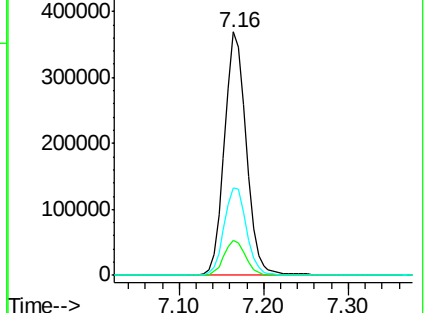
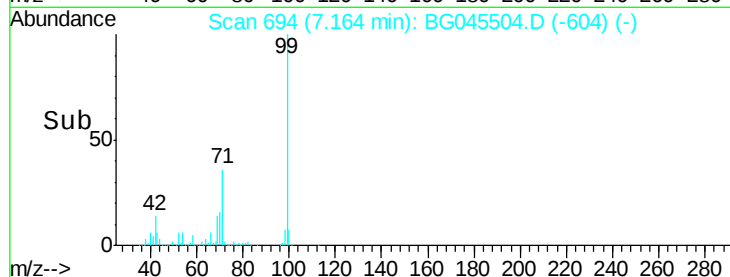
71 36.2 30.8 46.2



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: 18.226 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Tgt Ion: 70 Resp: 79330

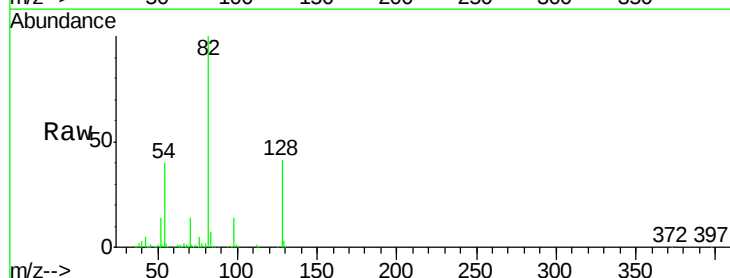
Ion Ratio Lower Upper

70 100

42 36.7 33.2 49.8

101 0.0 7.8 11.6#

130 2.7 15.4 23.2#

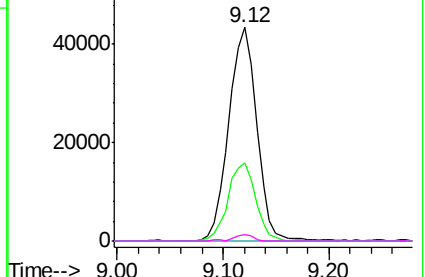
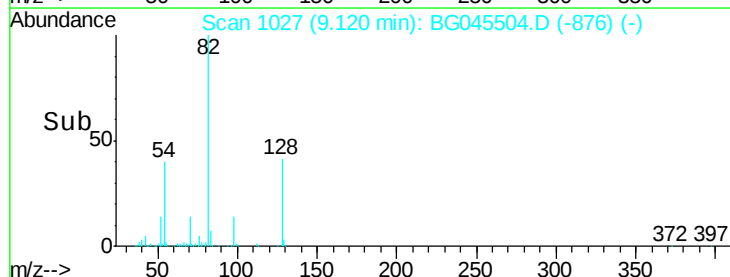


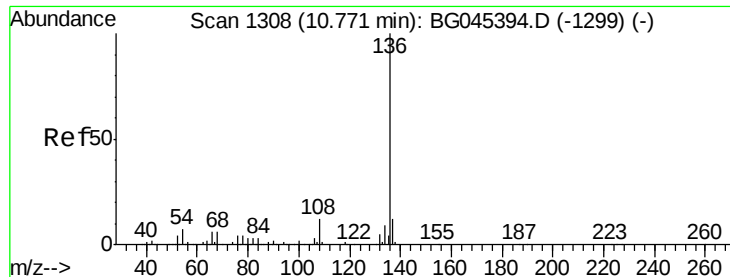
Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.00 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Instrument :

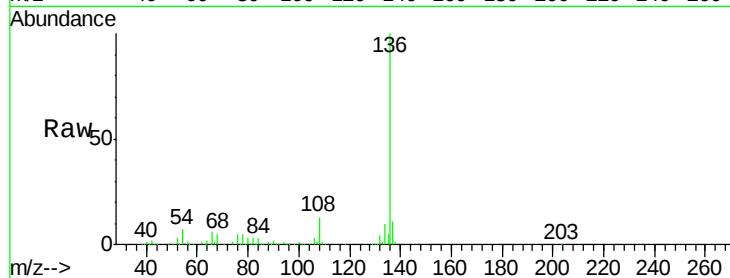
BNA_G

ClientSampleId :

CL-01-052220

Tot Ion:136 Resp: 350736

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.4	14.2
54	6.5	5.8	8.6
68	4.9	4.5	6.7

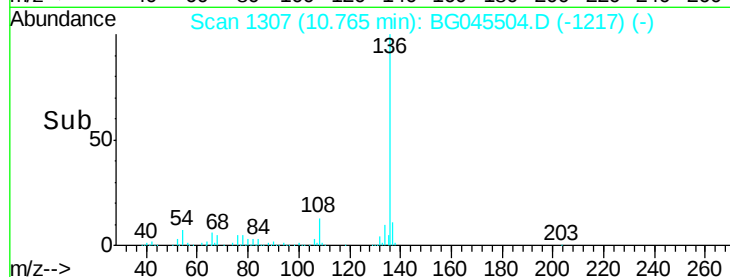


Abundance Ion 136.00 (135.70 to 136.70): E

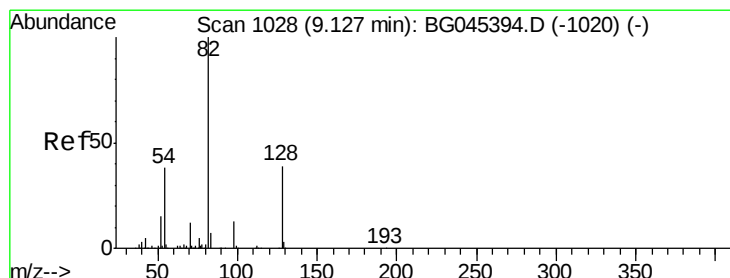
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 89.814 ng

RT: 9.12 min Scan# 1027

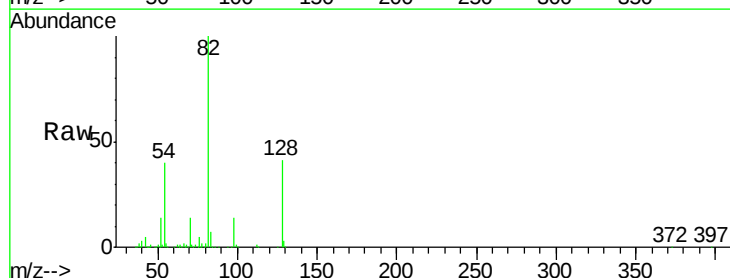
Delta R.T. 0.00 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Tgt Ion: 82 Resp: 577666

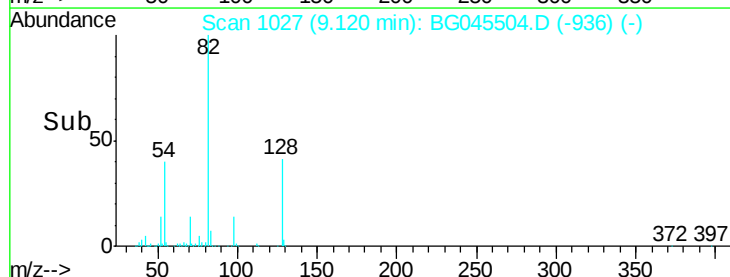
Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.9	46.3
54	39.6	30.3	45.5



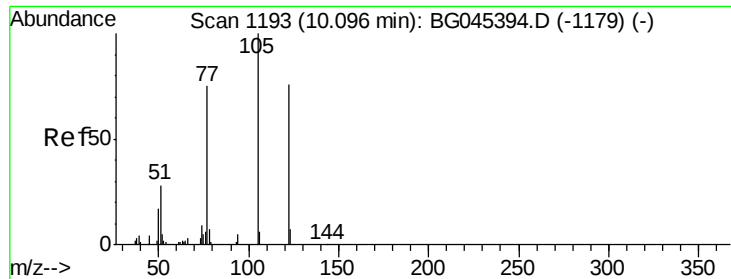
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



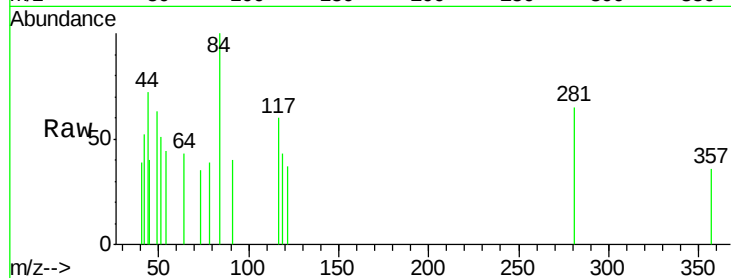
Time-->



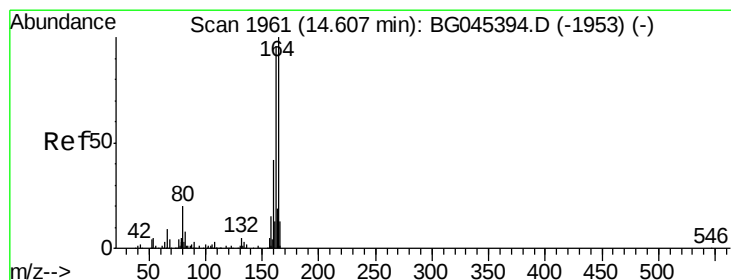
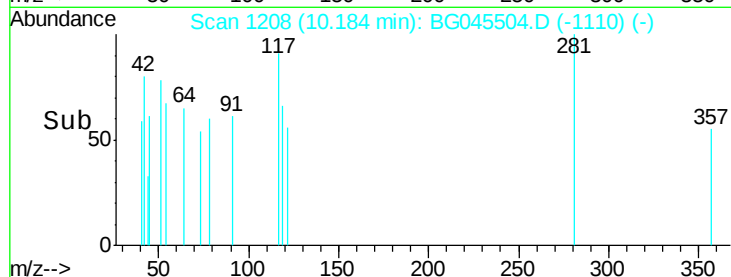
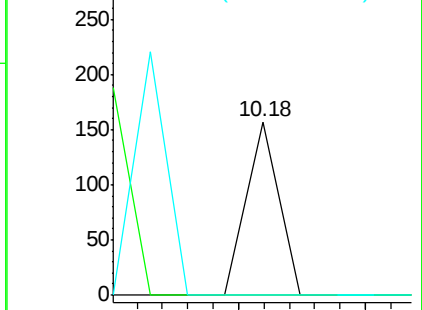
#32
Benzoic acid
Concen: 10.037 ng
RT: 10.18 min Scan# 1208
Delta R.T. 0.05 min
Lab File: BG045504.D
Acq: 28 May 2020 19:36

Instrument :
BNA_G
ClientSampleId :
CL-01-052220

Tot Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

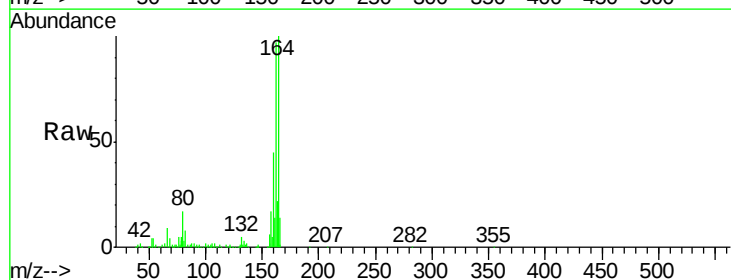


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

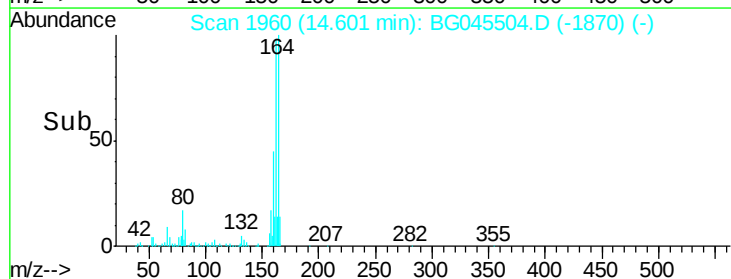
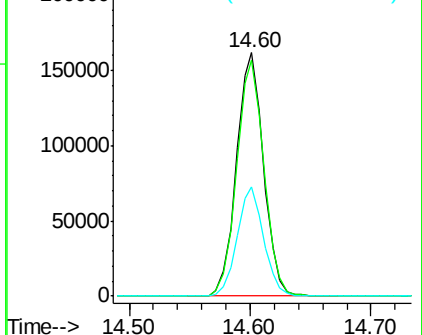


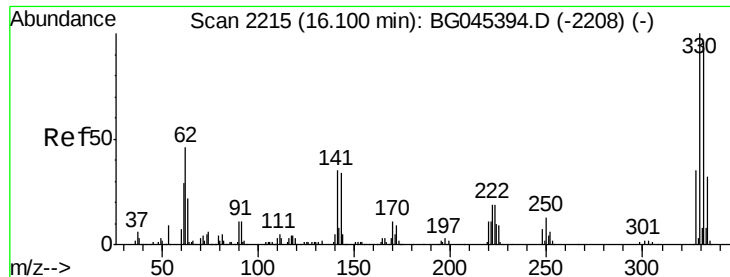
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045504.D
Acq: 28 May 2020 19:36

Tgt Ion:164 Resp: 251417
Ion Ratio Lower Upper
164 100
162 96.9 76.9 115.3
160 44.9 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

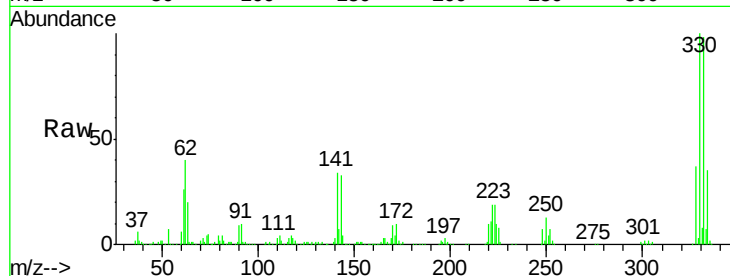




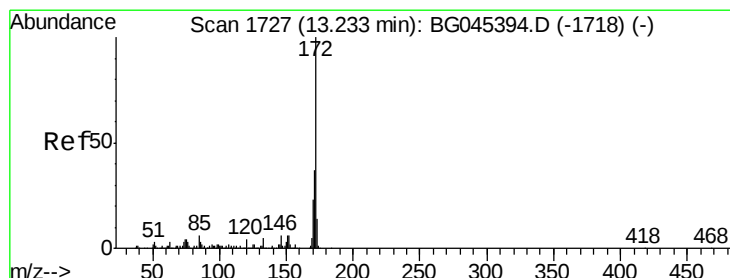
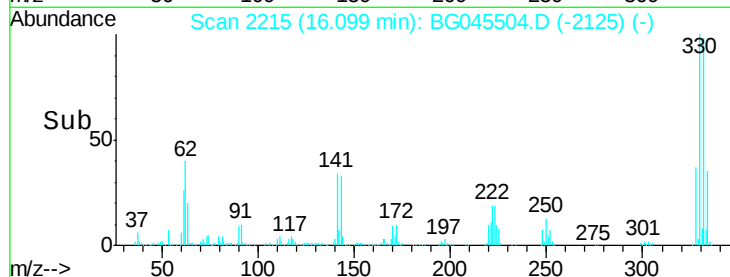
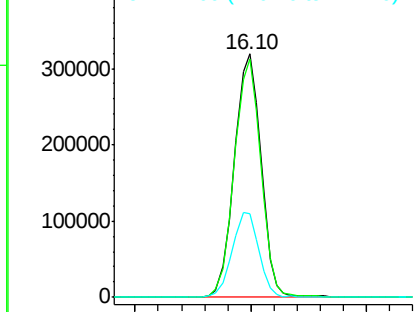
#42
 2,4,6-Tribromophenol
 Concen: 159.494 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.4
141	34.9	28.2	42.4

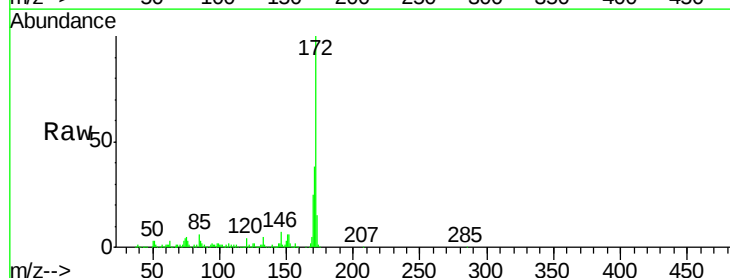


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

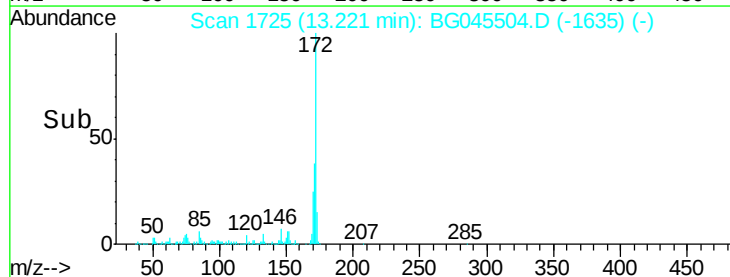
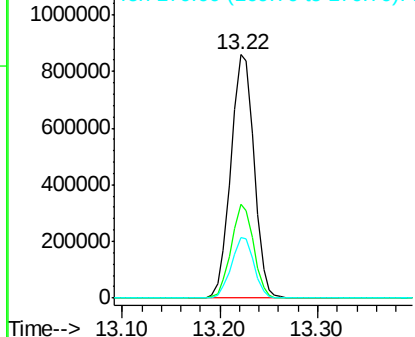


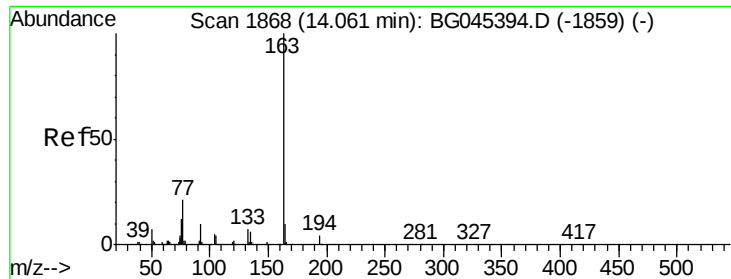
#45
 2-Fluorobiphenyl
 Concen: 95.694 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.5	44.3
170	24.8	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





#50

Dimethylphthalate

Concen: 11.868 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Instrument :

BNA_G

ClientSampleId :

CL-01-052220

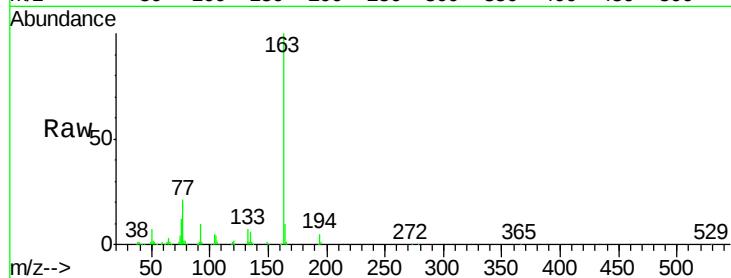
Tot Ion:163 Resp: 204681

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

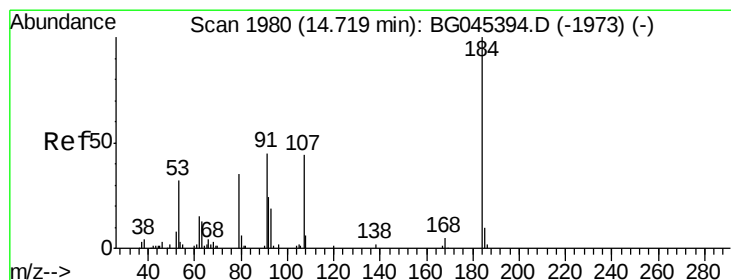
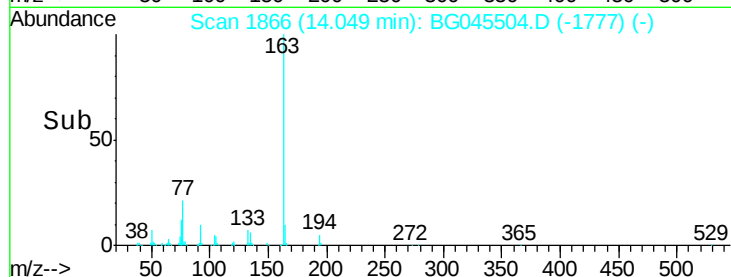
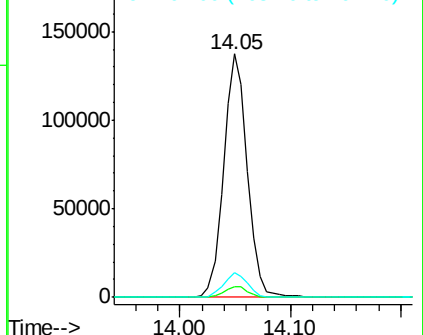
164 10.1 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.481 ng

RT: 14.37 min Scan# 1920

Delta R.T. -0.35 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

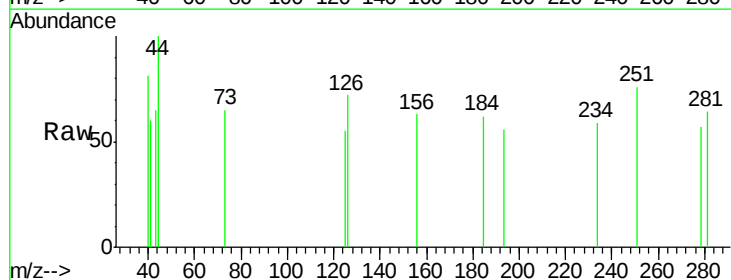
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

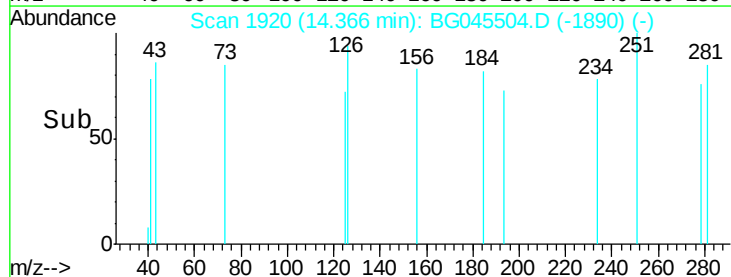
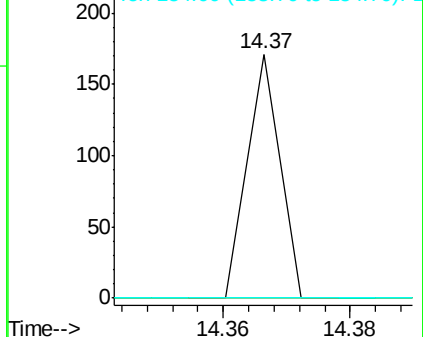
154 0.0 58.3 87.5#

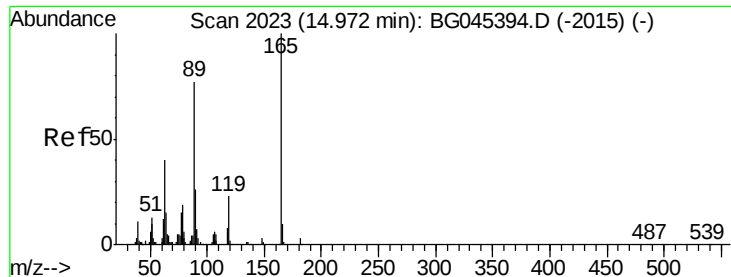


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

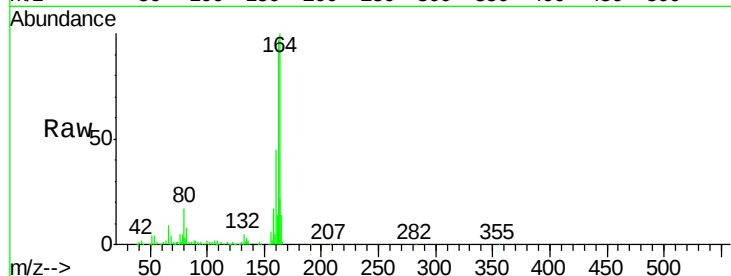




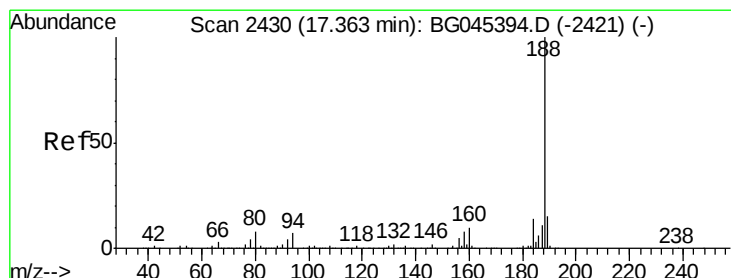
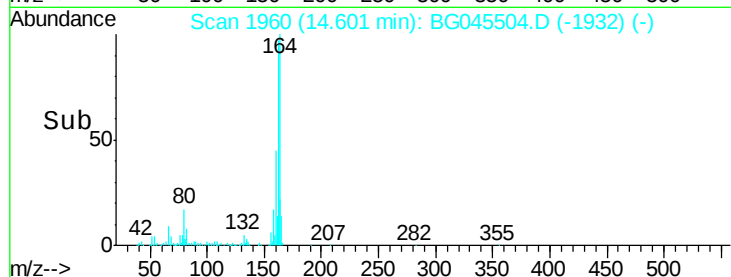
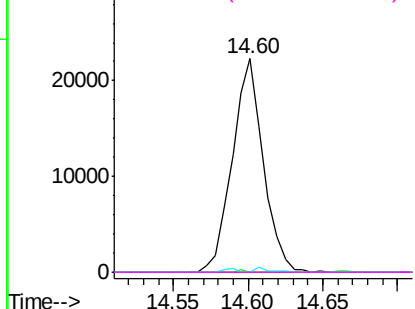
#57
 2,4-Dinitrotoluene
 Concen: 5.715 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.37 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220

Tot Ion:165 Resp: 32209
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.5 48.7#
 89 0.0 61.8 92.6#
 182 0.0 2.3 3.5#

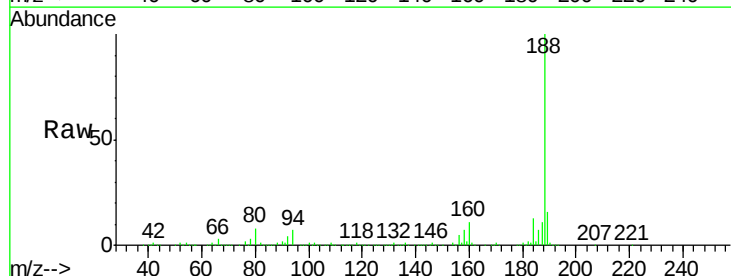


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

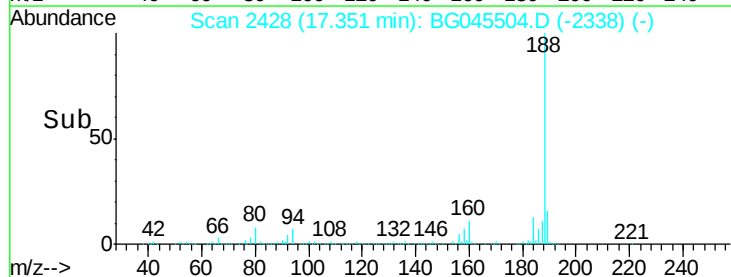
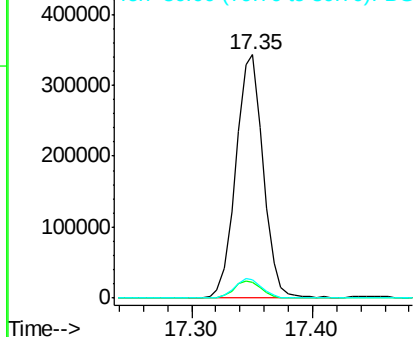


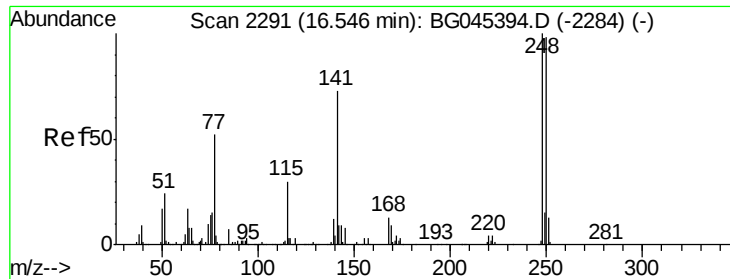
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Tgt Ion:188 Resp: 539548
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.5 8.3
 80 7.7 6.6 10.0



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

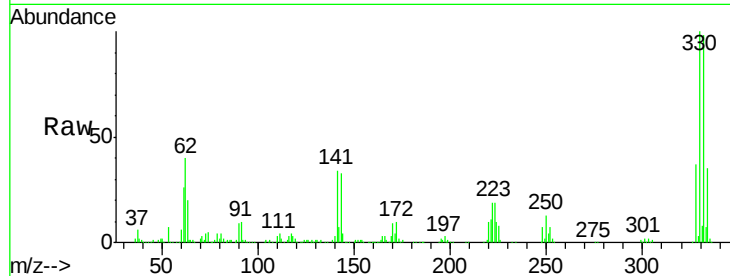




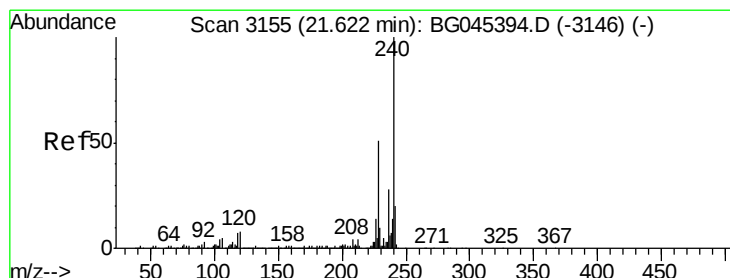
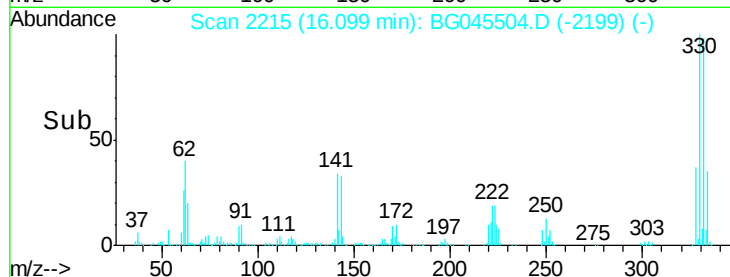
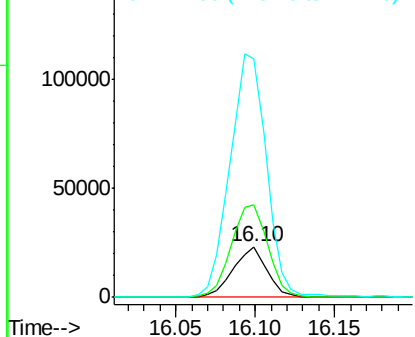
#67
 4-Bromophenyl-phenylether
 Concen: 5.882 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.6	78.6	117.8#
141	471.0	58.2	87.2#

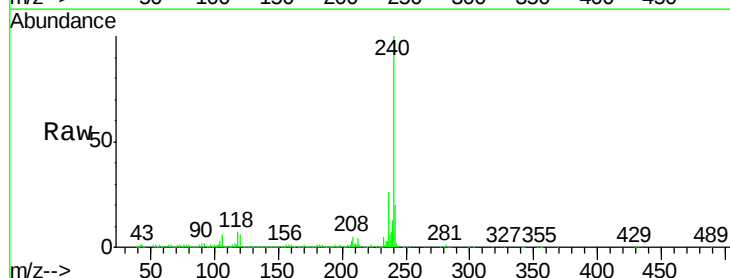


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

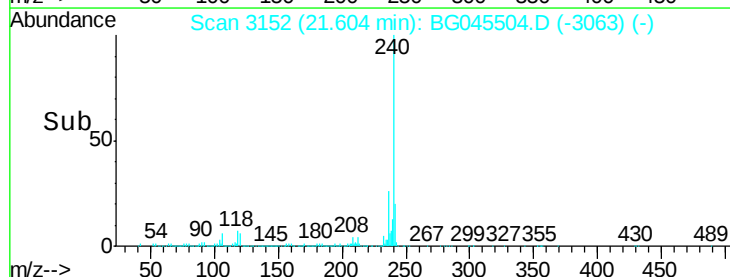
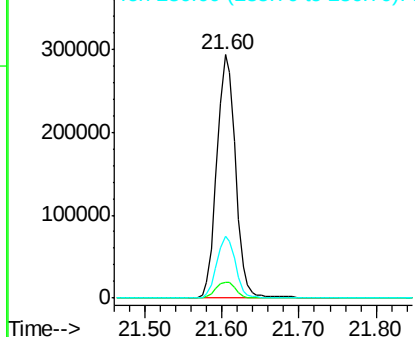


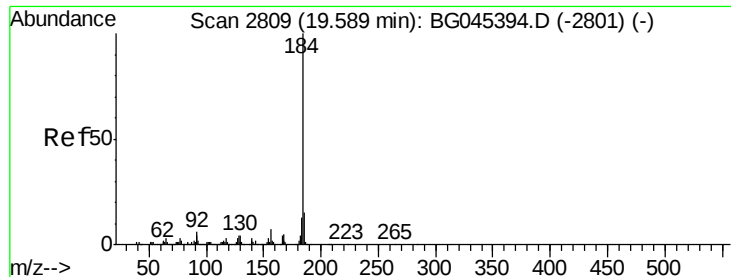
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3152
 Delta R.T. -0.01 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.1	9.1
236	25.6	22.3	33.5



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: 3.496 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

Instrument :

BNA_G

ClientSampleId :

CL-01-052220

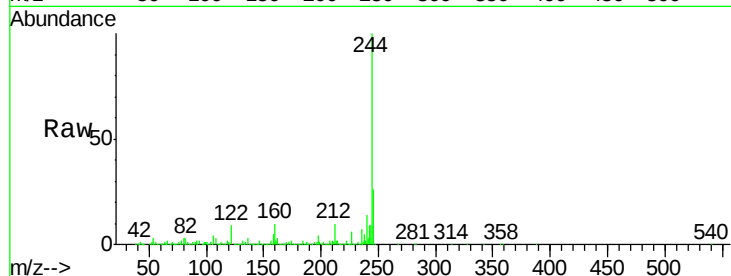
Tot Ion:184 Resp: 48333

Ion Ratio Lower Upper

184 100

185 16.6 11.7 17.5

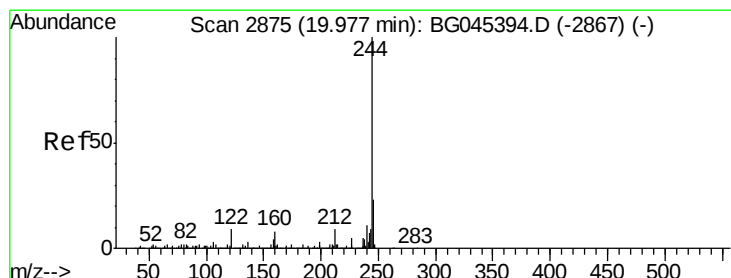
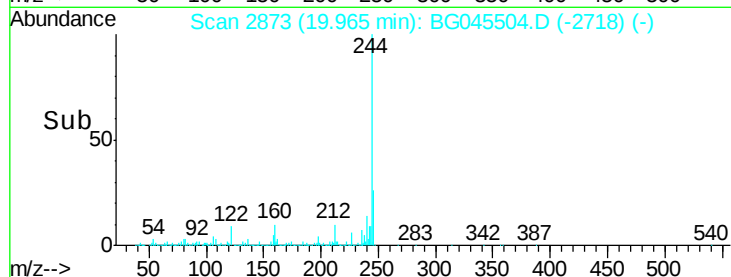
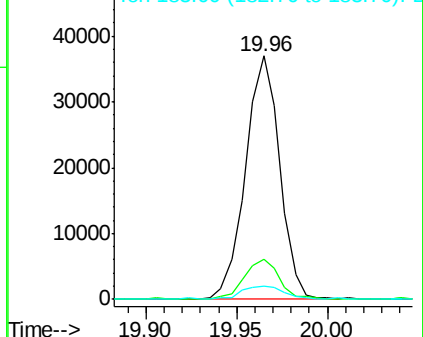
183 5.5 10.2 15.4#



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



#79

Terphenyl-d14

Concen: 112.999 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045504.D

Acq: 28 May 2020 19:36

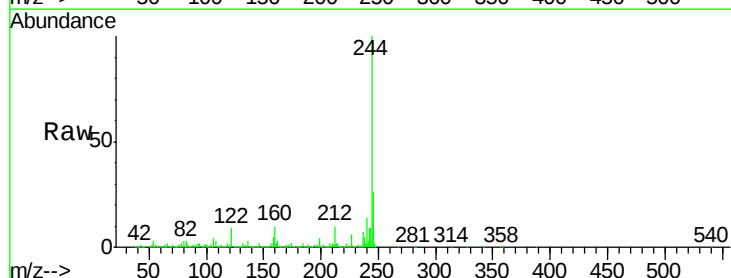
Tgt Ion:244 Resp: 2385019

Ion Ratio Lower Upper

244 100

212 10.4 7.4 11.0

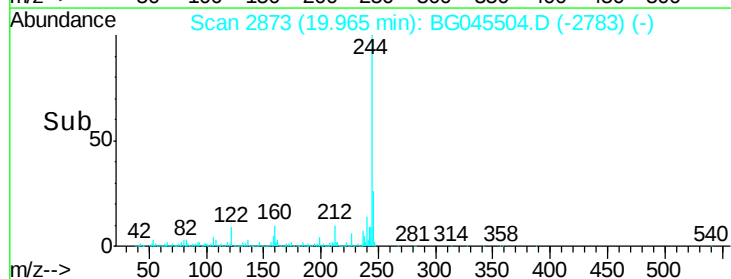
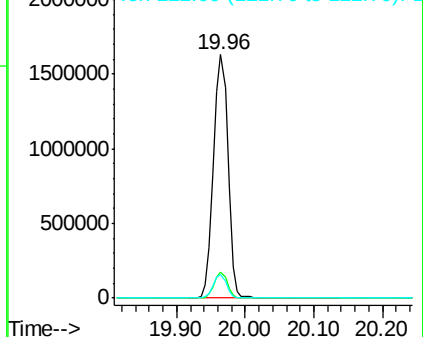
122 9.4 6.8 10.2

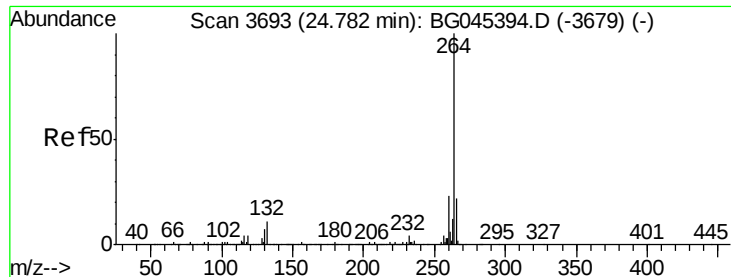


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

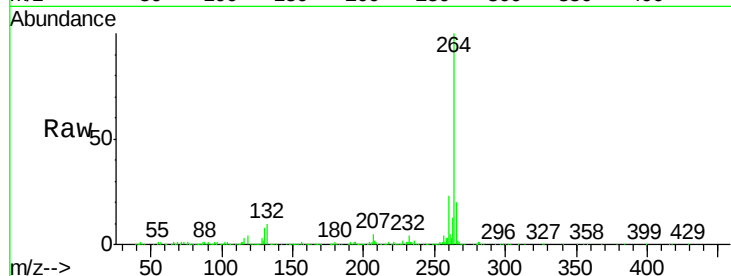




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.76 min Scan# 3689
 Delta R.T. -0.00 min
 Lab File: BG045504.D
 Acq: 28 May 2020 19:36

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220

Tot Ion:	264	Resp:	523444
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	20.3	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

