

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045599.D
 Acq On : 4 Jun 2020 5:45
 Operator : CG/JU
 Sample : L2837-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 04 07:03:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

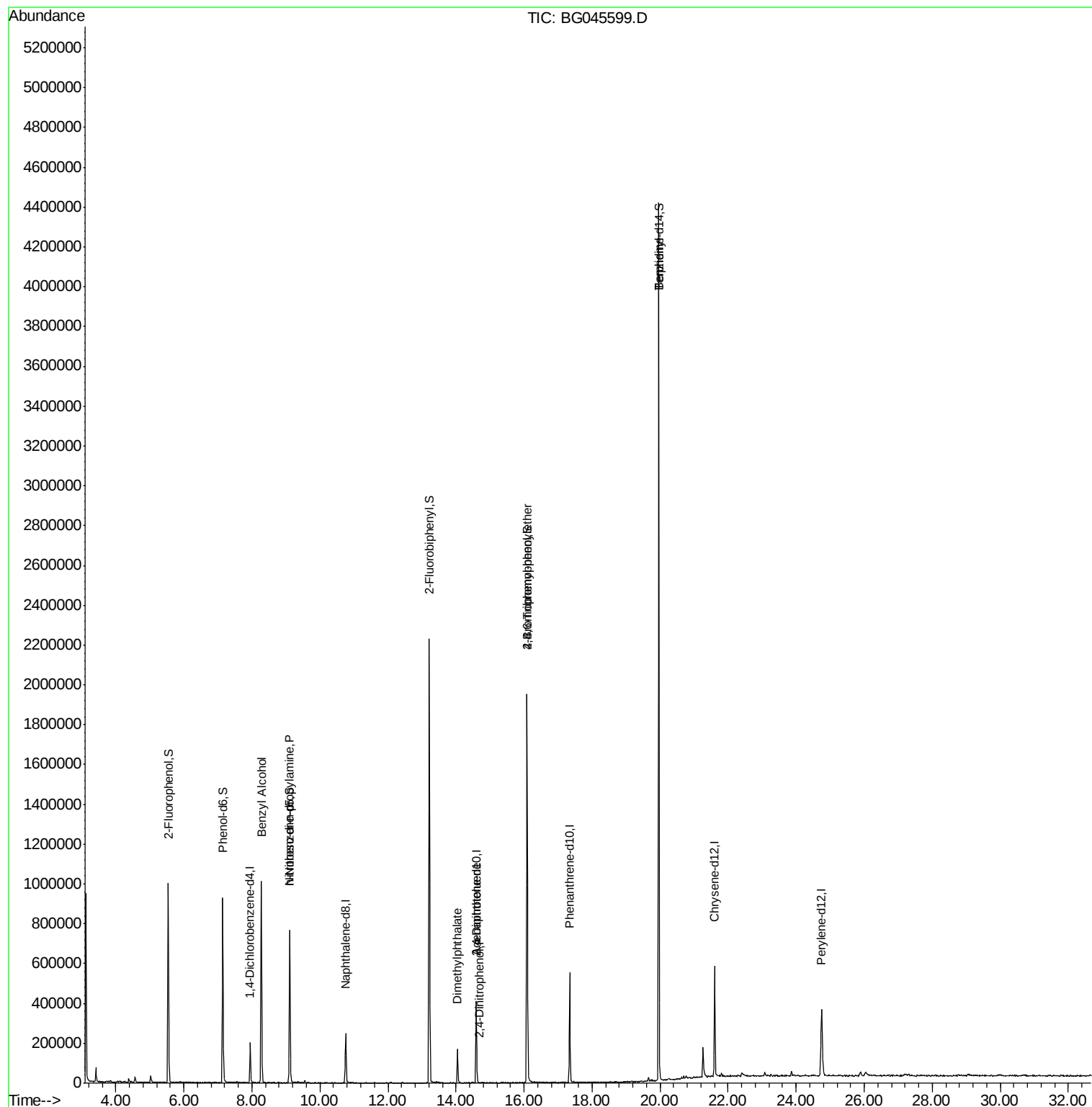
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	59743	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	226182	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	159353	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	380816	20.00	ng	0.00
76) Chrysene-d12	21.60	240	368317	20.00	ng	0.00
87) Perylene-d12	24.76	264	389969	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	475291	155.48	ng	0.00
7) Phenol-d6	7.14	99	611048	140.44	ng	0.00
23) Nitrobenzene-d5	9.11	82	530034	127.79	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	404782	198.62	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1192760	126.96	ng	0.00
79) Terphenyl-d14	19.96	244	2062842	130.63	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	9358	2.604	ng	# 46
19) n-Nitroso-di-n-propylamine	9.11	70	74428	24.737	ng	# 79
50) Dimethylphthalate	14.05	163	121795	11.142	ng	# 99
54) 2,4-Dinitrophenol	14.68	184	55	5.491	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	21112	5.910	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	26601	6.451	ng	# 1
77) Benzidine	19.96	184	40587	3.924	ng	# 88

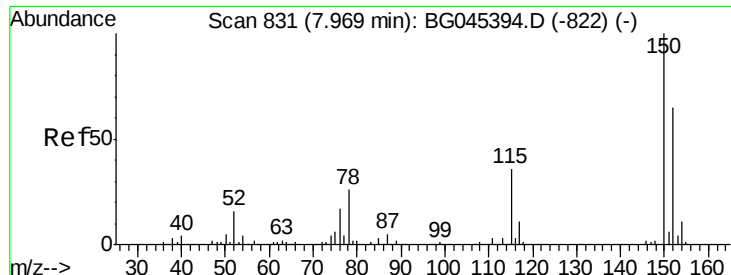
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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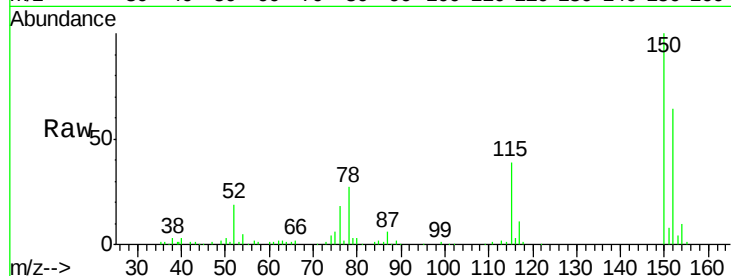


#1

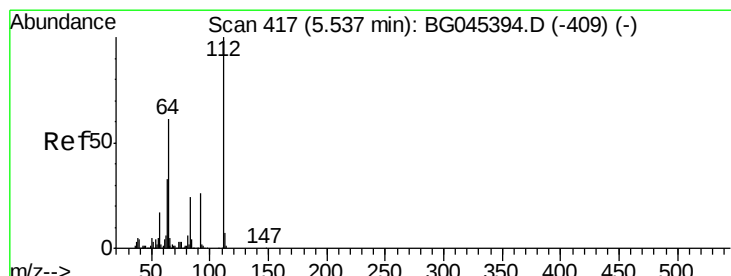
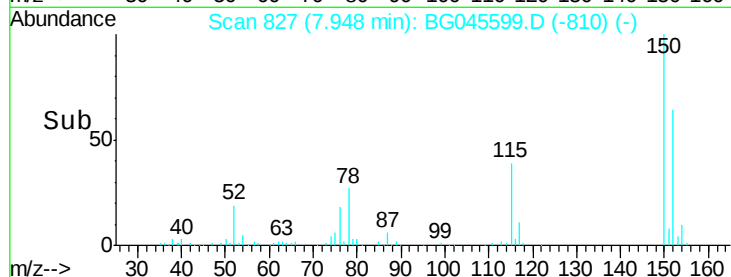
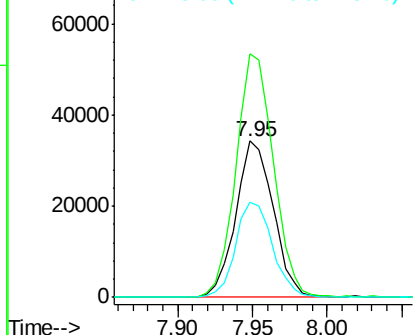
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045599.D
Acq: 4 Jun 2020 5:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59743
Ion Ratio Lower Upper
152 100
150 155.9 122.4 183.6
115 61.2 44.2 66.4



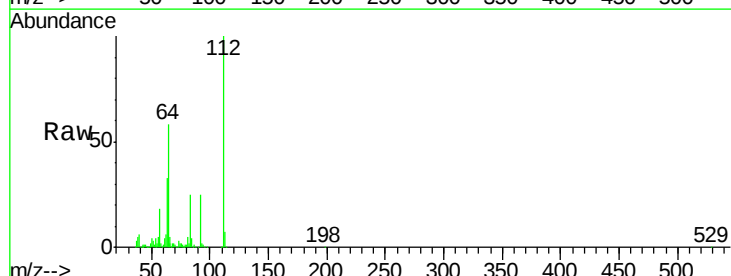
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



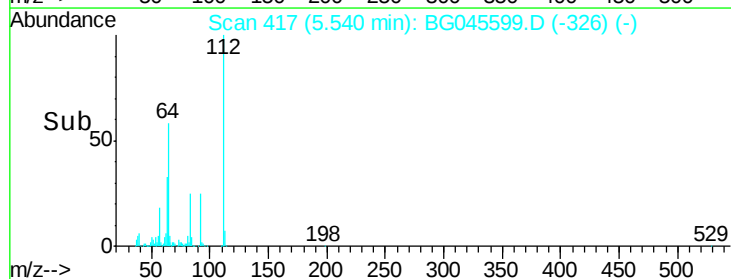
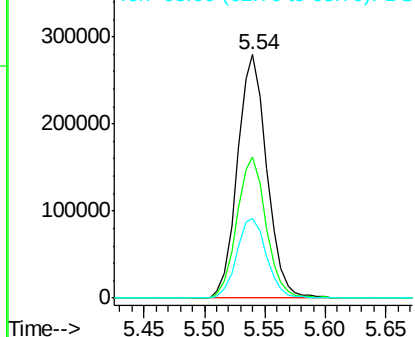
#5

2-Fluorophenol
Concen: 155.476 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045599.D
Acq: 4 Jun 2020 5:45

Tgt Ion:112 Resp: 475291
Ion Ratio Lower Upper
112 100
64 57.8 48.6 72.8
63 32.6 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: 140.437 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

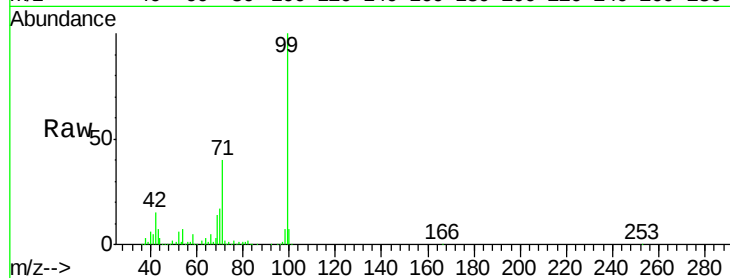
Tot Ion: 99 Resp: 611048

Ion Ratio Lower Upper

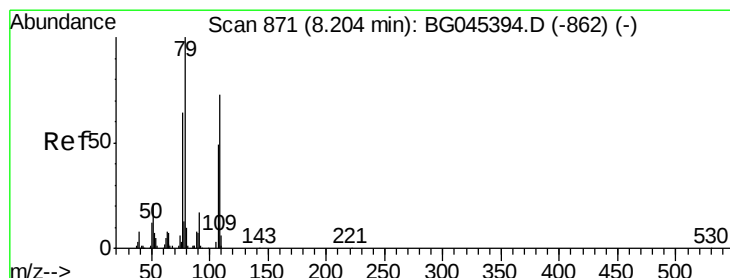
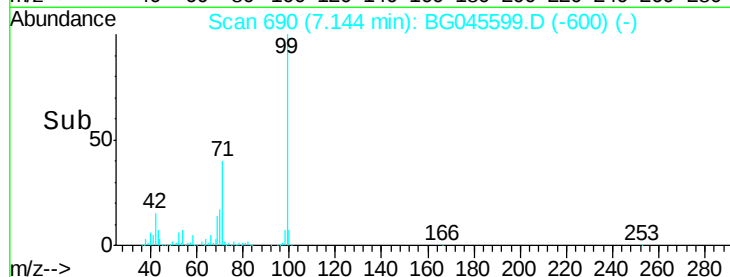
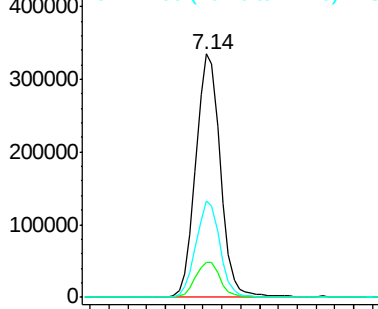
99 100

42 14.6 11.3 16.9

71 39.5 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



#15

Benzyl Alcohol

Concen: 2.604 ng

RT: 8.27 min Scan# 882

Delta R.T. 0.07 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

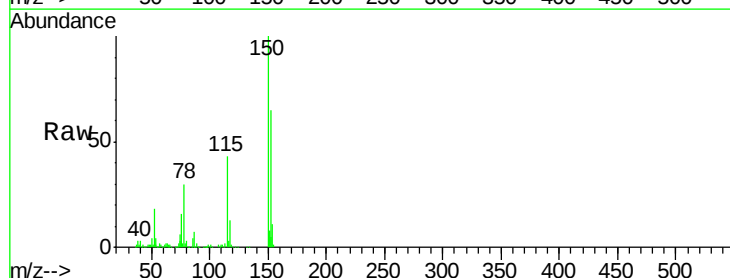
Tgt Ion: 79 Resp: 9358

Ion Ratio Lower Upper

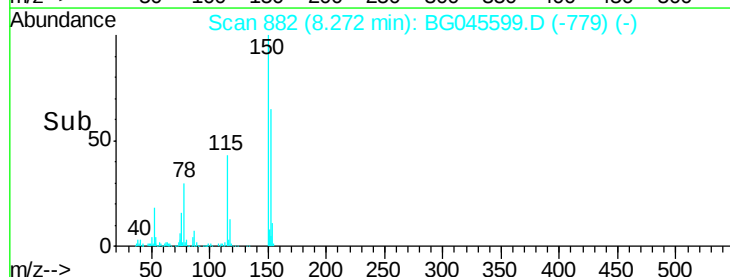
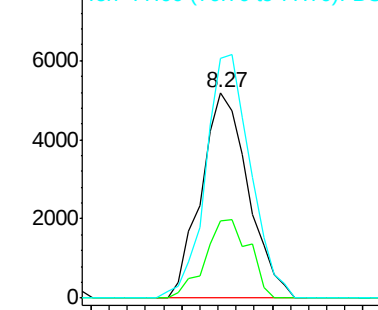
79 100

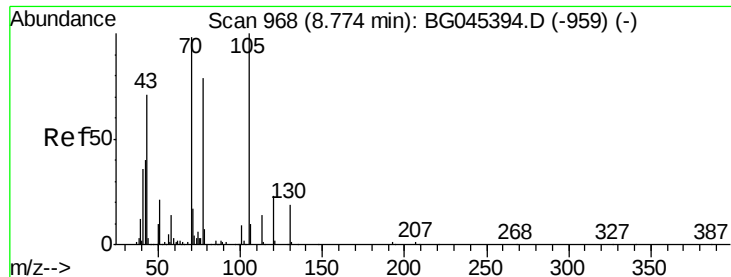
108 37.3 58.2 87.4#

77 116.7 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

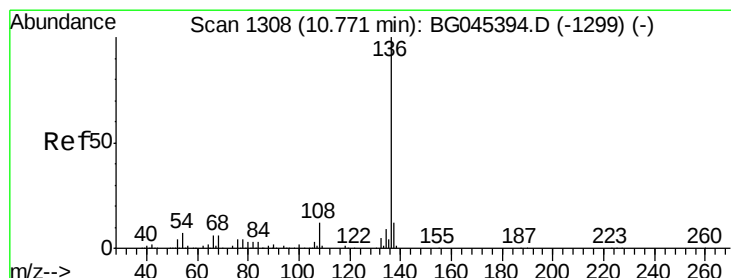
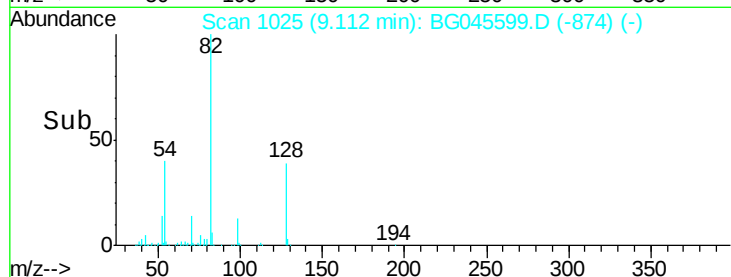
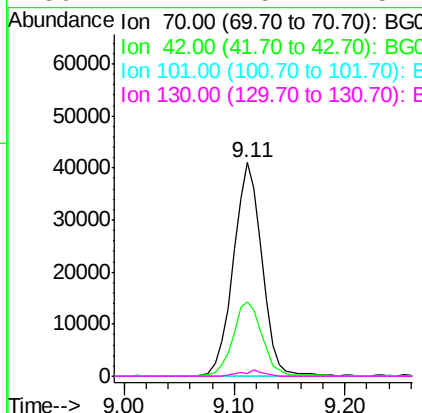
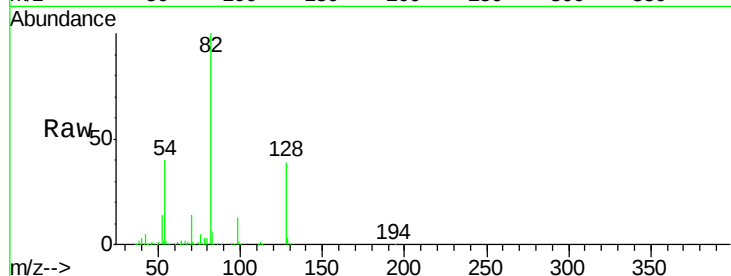




#19
n-Nitroso-di-n-propylamine
Concen: 24.737 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.36 min
Lab File: BG045599.D
Acq: 4 Jun 2020 5:45

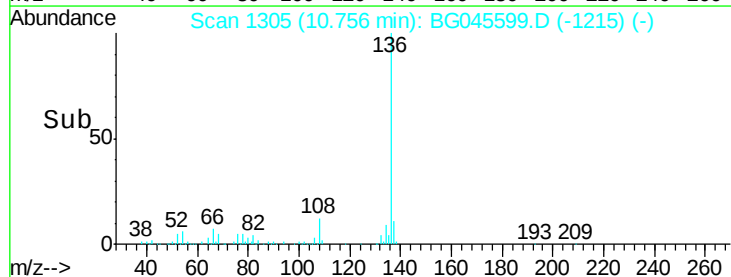
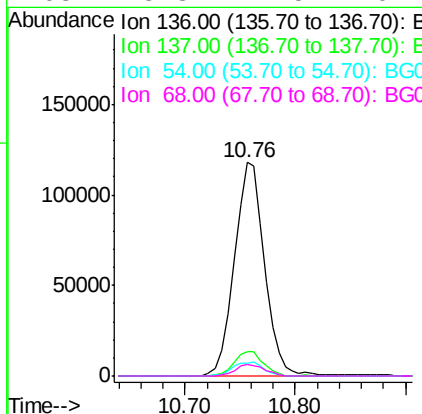
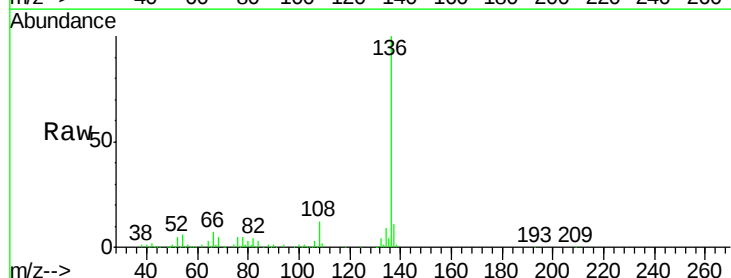
Instrument :
BNA_G
ClientSampleId :

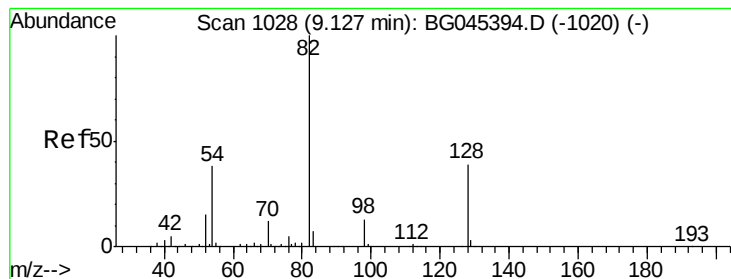
Tot Ion: 70 Resp: 74428
Ion Ratio Lower Upper
70 100
42 34.7 33.2 49.8
101 0.0 7.8 11.6#
130 1.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045599.D
Acq: 4 Jun 2020 5:45

Tgt Ion: 136 Resp: 226182
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 6.3 5.8 8.6
68 5.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 127.789 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

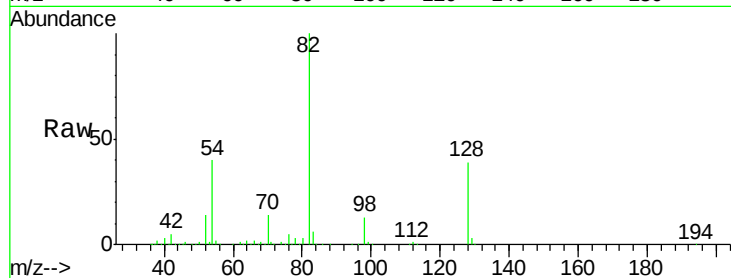
Tot Ion: 82 Resp: 530034

Ion Ratio Lower Upper

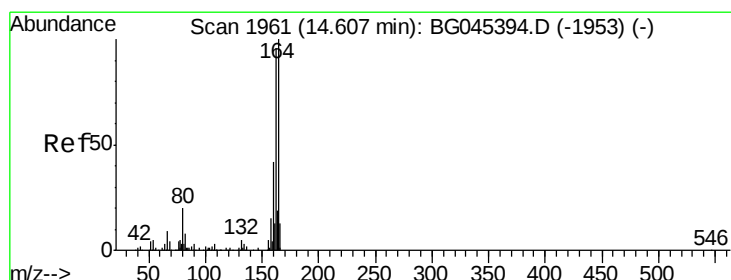
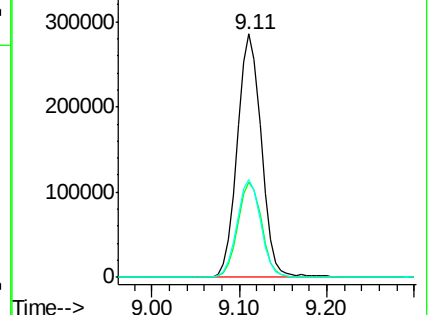
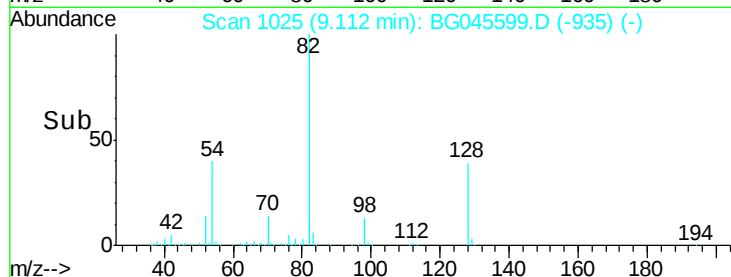
82 100

128 38.9 30.9 46.3

54 40.1 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

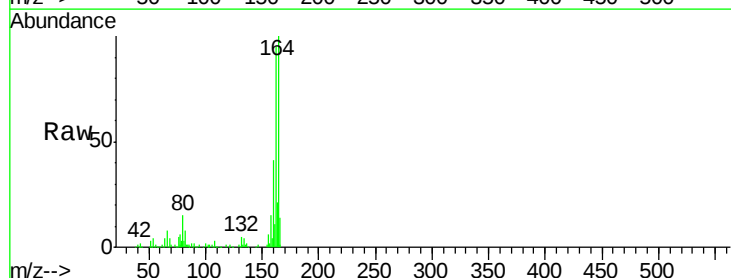
Tgt Ion: 164 Resp: 159353

Ion Ratio Lower Upper

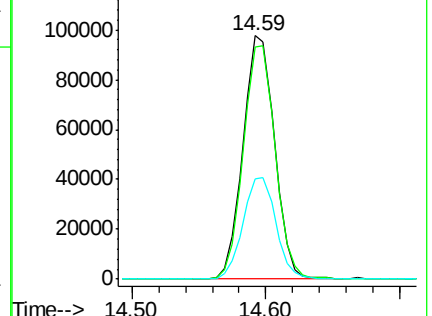
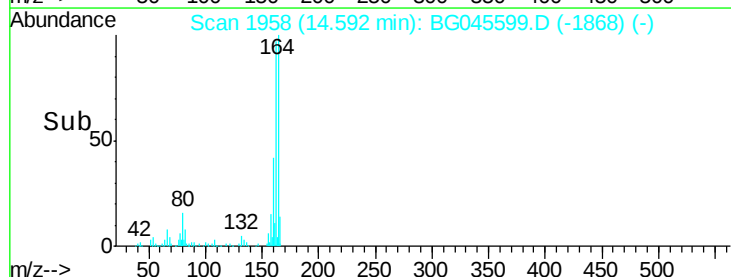
164 100

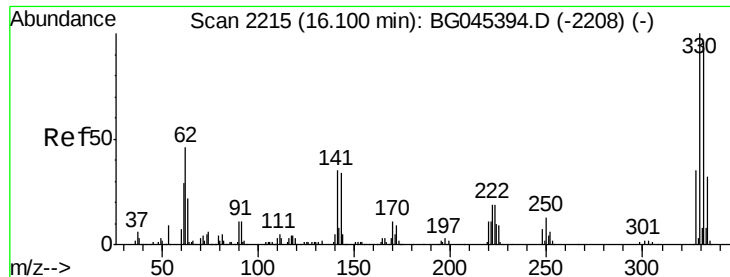
162 95.2 76.9 115.3

160 41.1 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 198.623 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

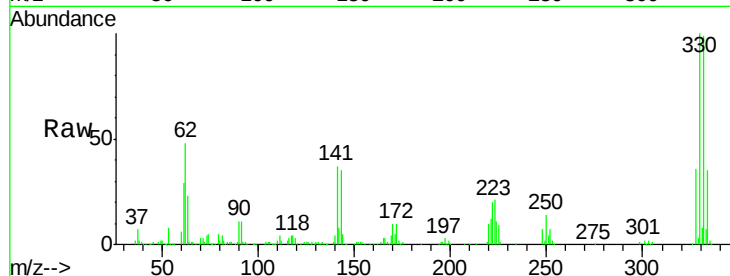
Tot Ion:330 Resp: 404782

Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.4

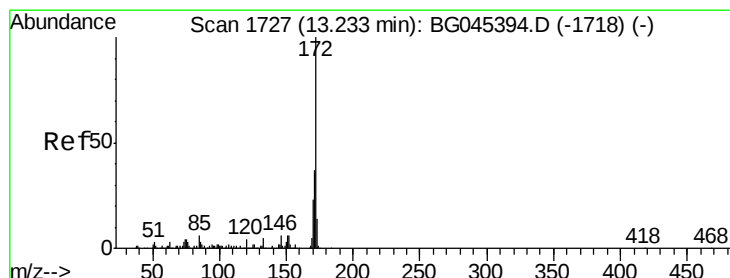
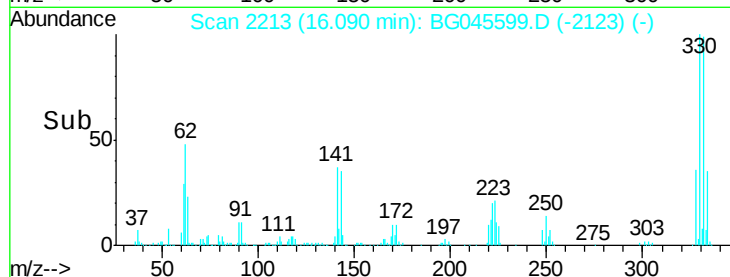
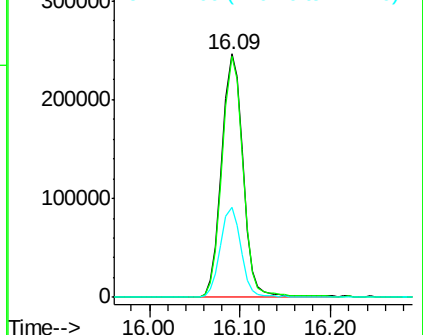
141 35.9 28.2 42.4



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: 126.961 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

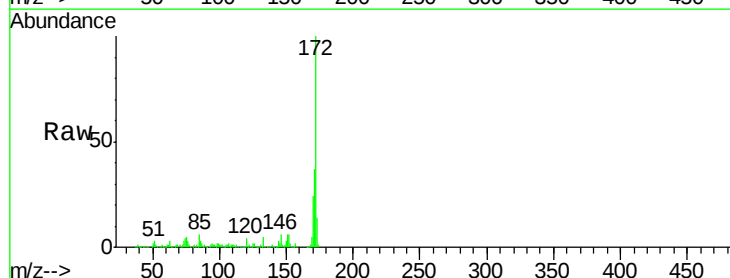
Tgt Ion:172 Resp: 1192760

Ion Ratio Lower Upper

172 100

171 36.6 29.5 44.3

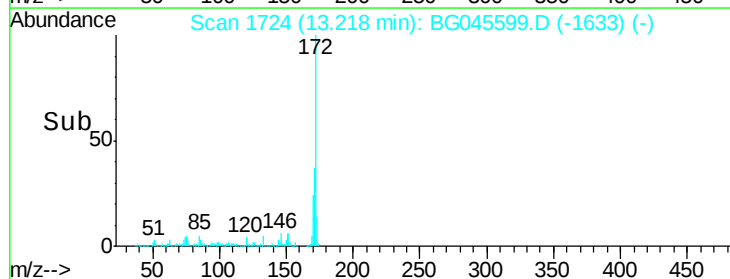
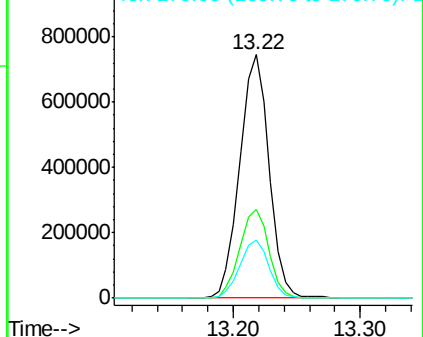
170 23.7 18.5 27.7

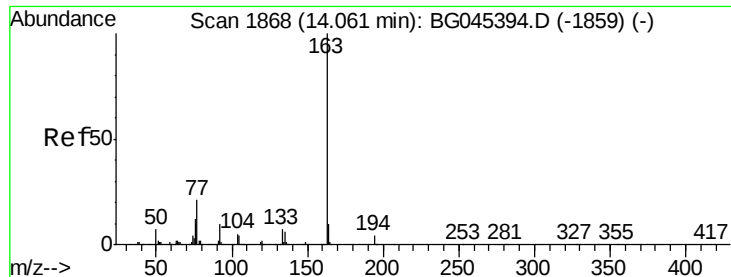


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.142 ng

RT: 14.05 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

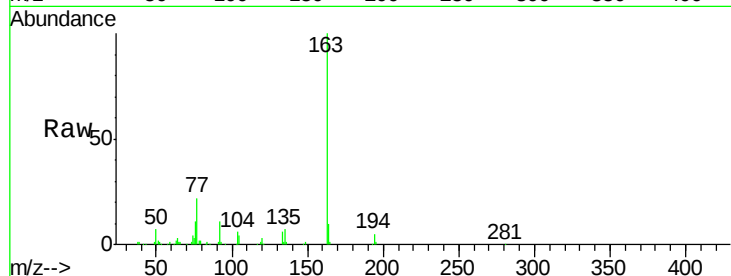
Tot Ion:163 Resp: 121795

Ion Ratio Lower Upper

163 100

194 4.9 3.2 4.8#

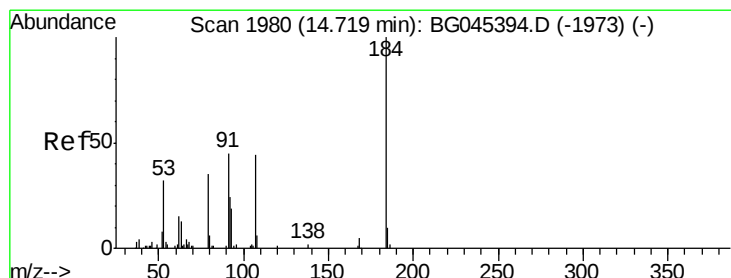
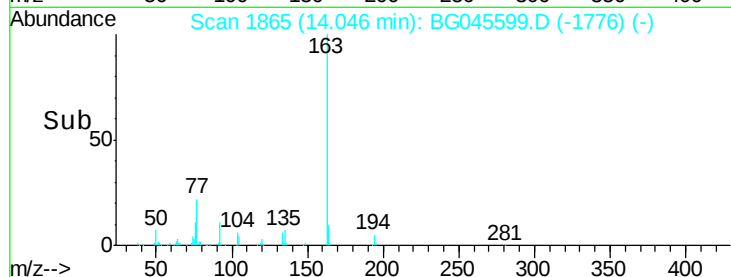
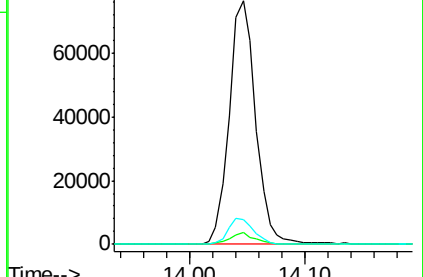
164 10.2 8.3 12.5



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: 5.491 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.03 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

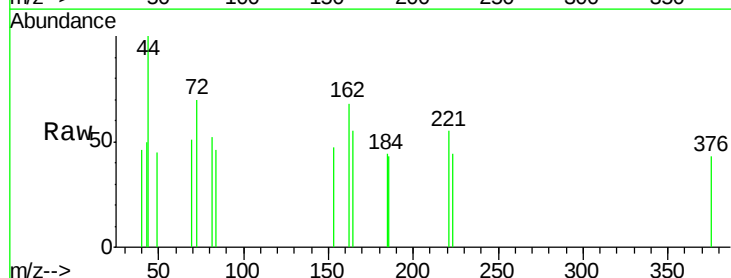
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

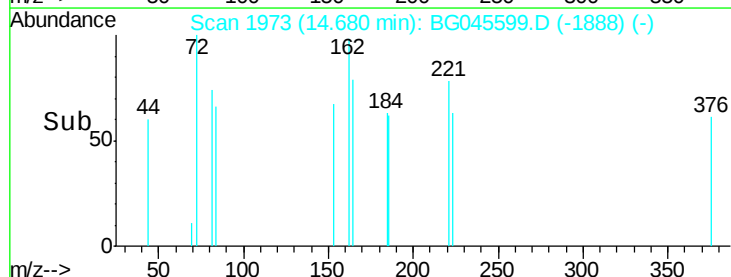
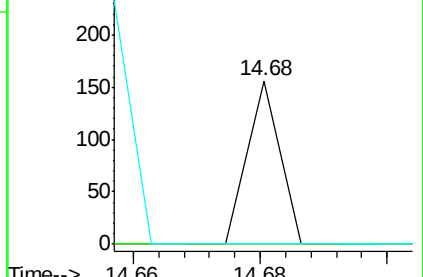
154 0.0 58.3 87.5#

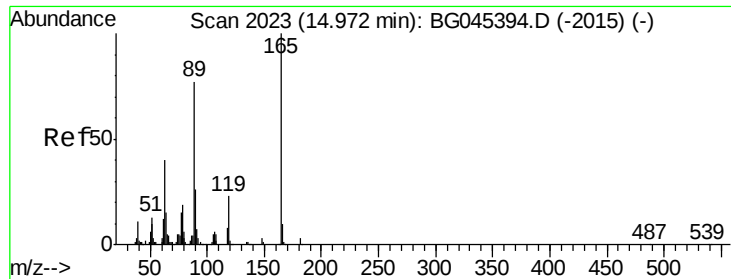


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

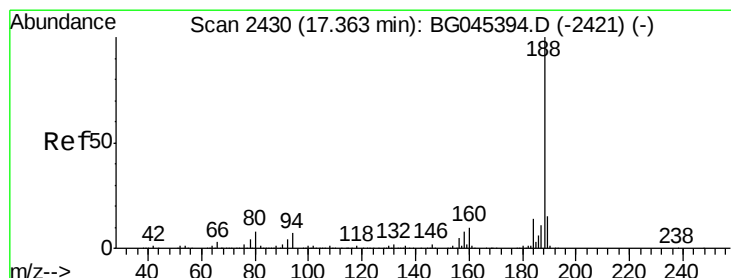
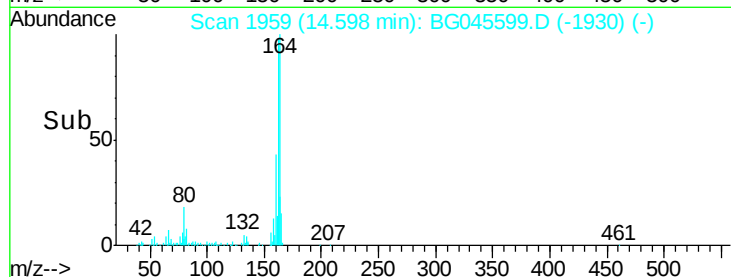
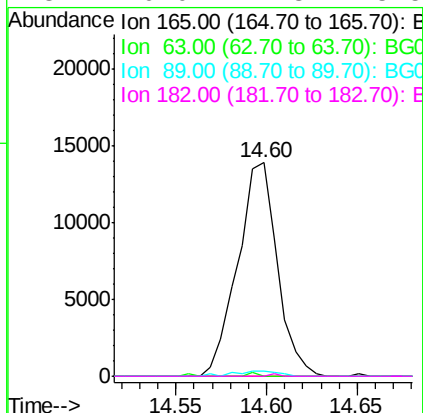
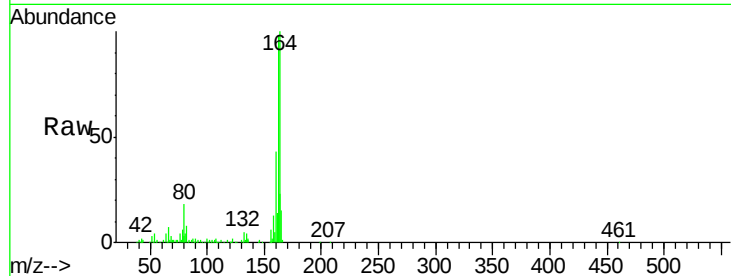




#57
 2,4-Dinitrotoluene
 Concen: 5.910 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.36 min
 Lab File: BG045599.D
 Acq: 4 Jun 2020 5:45

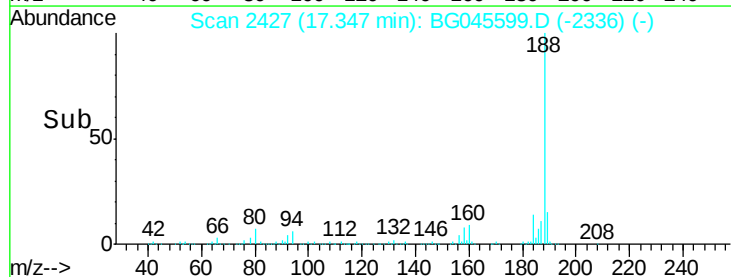
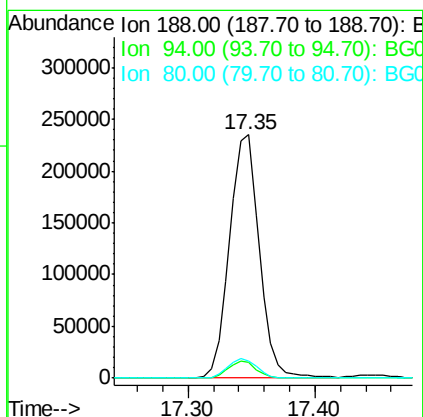
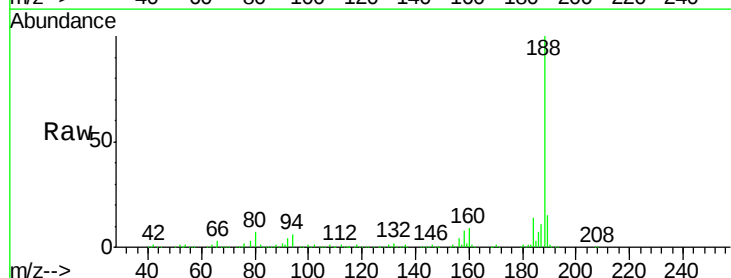
Instrument :
 BNA_G
 ClientSampleId :

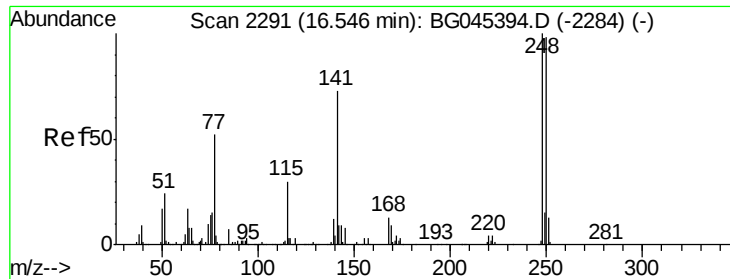
Tot Ion:165 Resp: 21112
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.5 48.7#
 89 2.4 61.8 92.6#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BG045599.D
 Acq: 4 Jun 2020 5:45

Tgt Ion:188 Resp: 380816
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.5 8.3
 80 7.0 6.6 10.0





#67

4-Bromophenyl-phenylether

Concen: 6.451 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.44 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

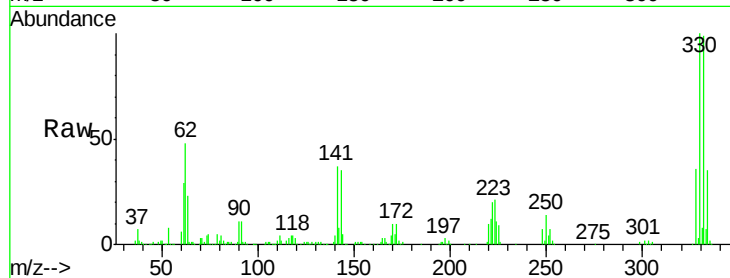
Tot Ion:248 Resp: 26601

Ion Ratio Lower Upper

248 100

250 191.3 78.6 117.8#

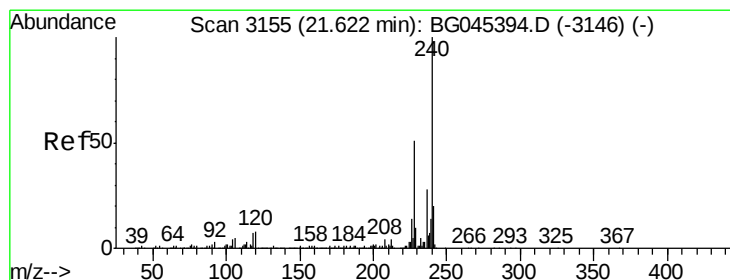
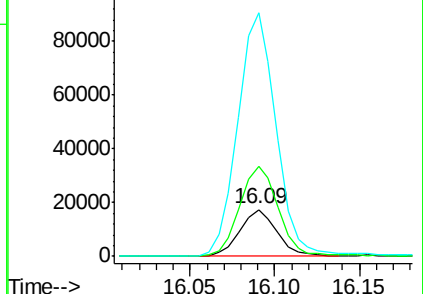
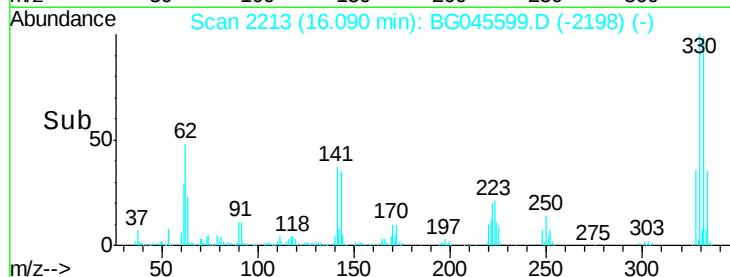
141 519.5 58.2 87.2#



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# 3151

Delta R.T. -0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

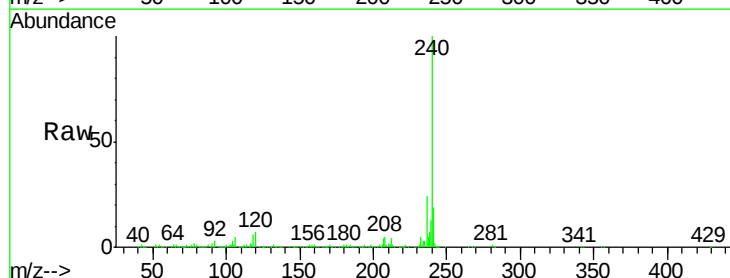
Tgt Ion:240 Resp: 368317

Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

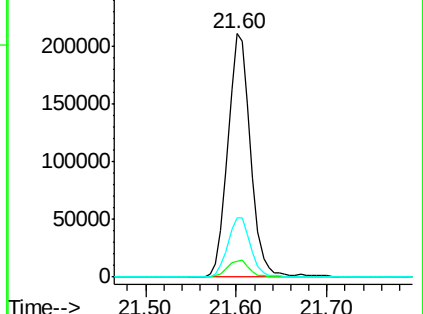
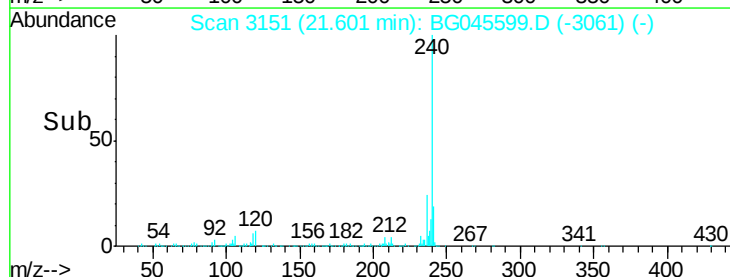
236 24.1 22.3 33.5

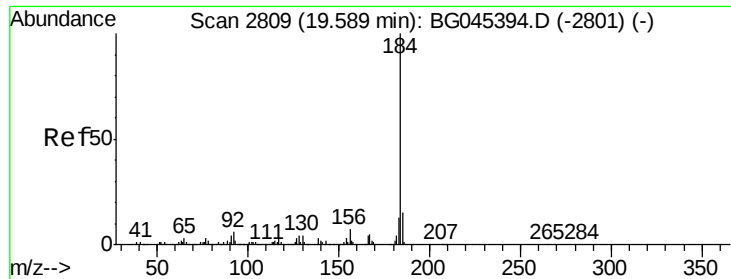


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.924 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

Instrument :

BNA_G

ClientSampleId :

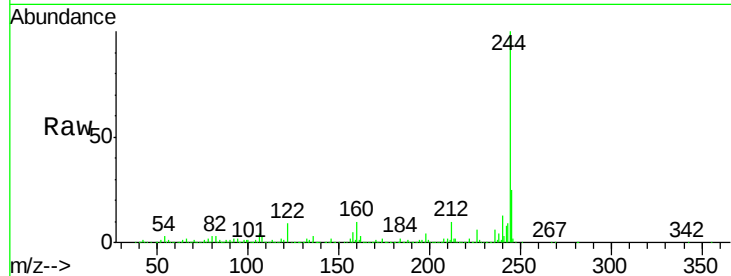
Tot Ion:184 Resp: 40587

Ion Ratio Lower Upper

184 100

185 17.2 11.7 17.5

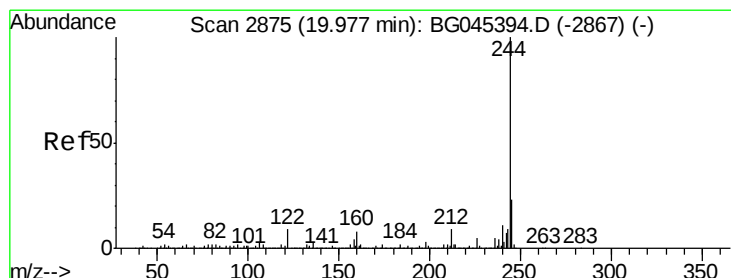
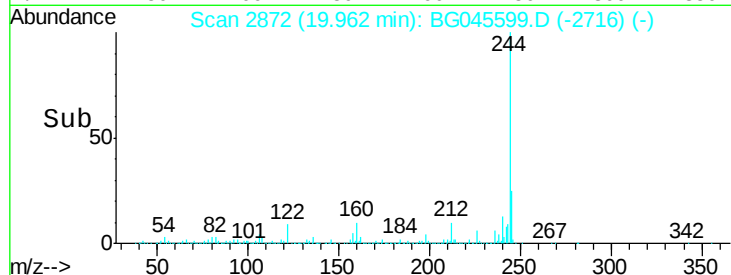
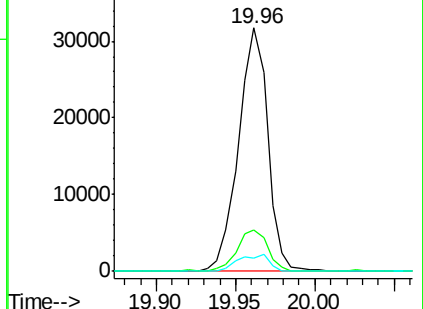
183 5.5 10.2 15.4#



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: 130.626 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045599.D

Acq: 4 Jun 2020 5:45

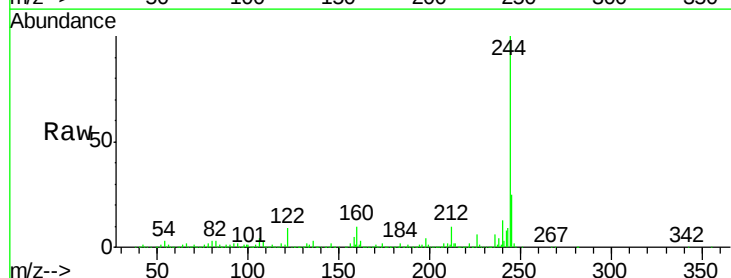
Tgt Ion:244 Resp: 2062842

Ion Ratio Lower Upper

244 100

212 9.8 7.4 11.0

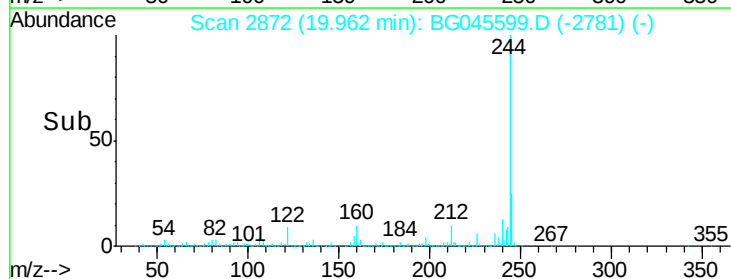
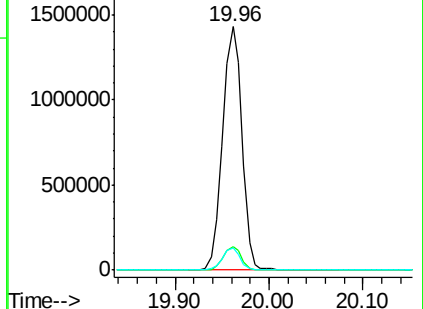
122 9.1 6.8 10.2

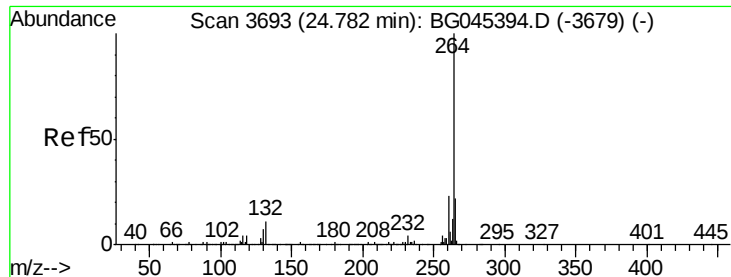


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

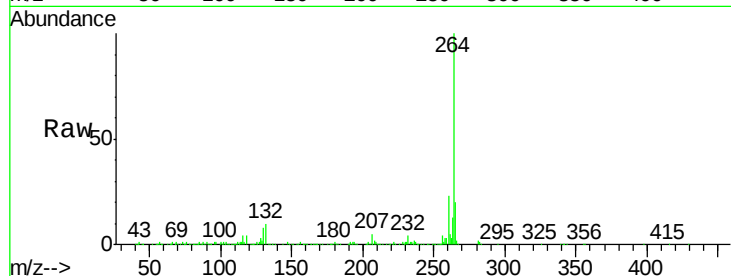




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.76 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: BG045599.D
 Acq: 4 Jun 2020 5:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	20.0	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

