

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060220\
 Data File : BG045574.D
 Acq On : 2 Jun 2020 12:14
 Operator : CG/JU
 Sample : PB129213TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 02 14:23:02 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

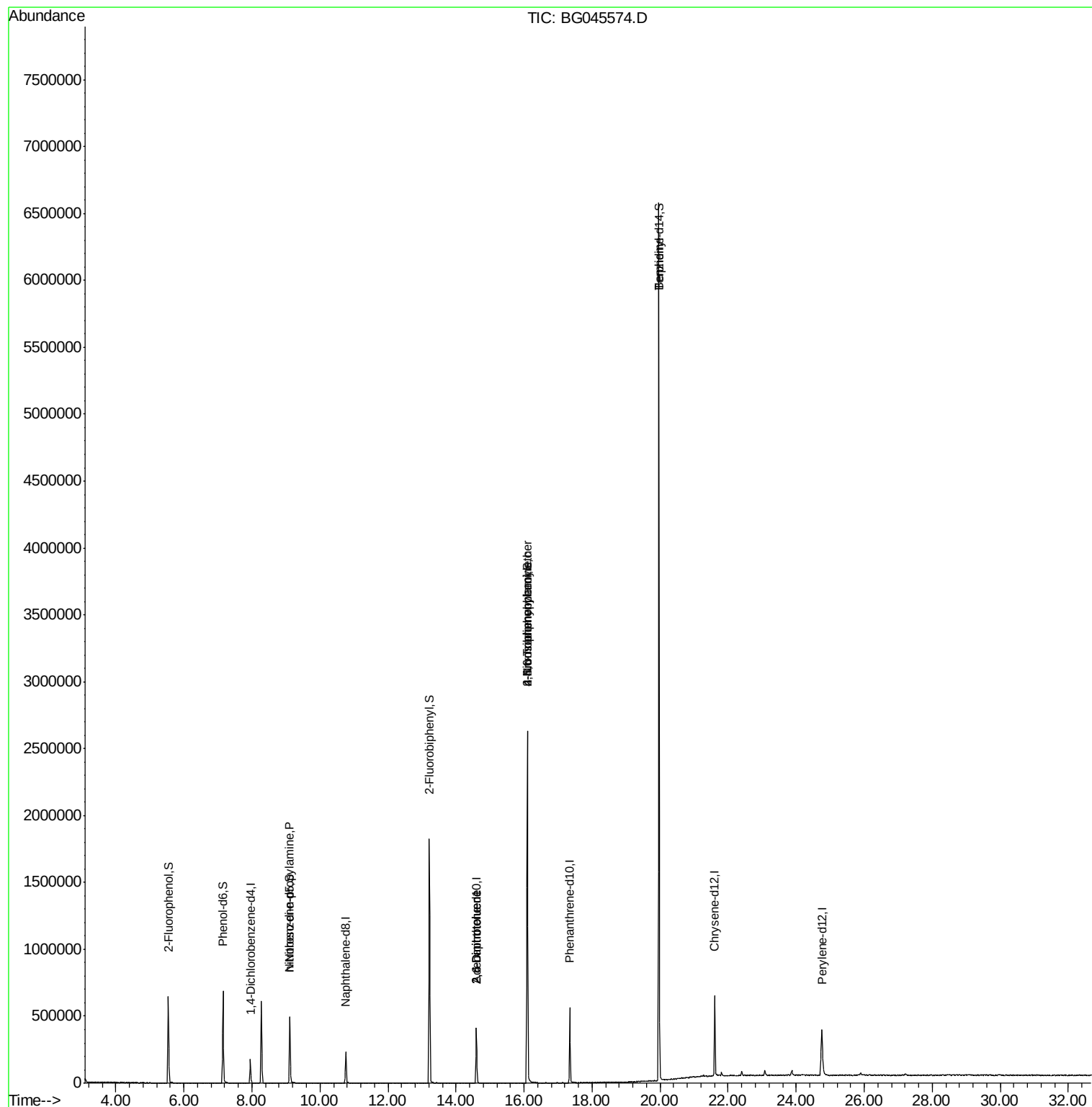
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	51813	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	211167	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	154839	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	378661	20.00	ng	0.00
76) Chrysene-d12	21.60	240	390454	20.00	ng	0.00
87) Perylene-d12	24.75	264	403348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	320216	120.78	ng	0.00
7) Phenol-d6	7.15	99	460476	122.03	ng	0.00
23) Nitrobenzene-d5	9.12	82	347977	89.86	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	528549	266.91	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1024497	112.23	ng	0.00
79) Terphenyl-d14	19.97	244	2834925	169.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	47147	18.068	ng	# 77
51) 2,6-Dinitrotoluene	14.60	165	19693	8.216	ng	# 25
57) 2,4-Dinitrotoluene	14.60	165	19693	5.673	ng	# 24
66) n-Nitrosodiphenylamine	16.09	169	18504	2.035	ng	# 42
67) 4-Bromophenyl-phenylether	16.09	248	36659	8.941	ng	# 1
77) Benzidine	19.97	184	61907	5.645	ng	# 93

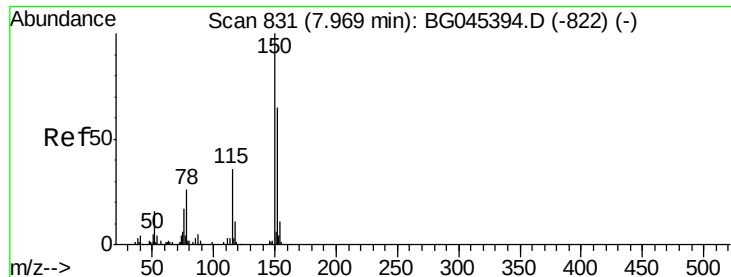
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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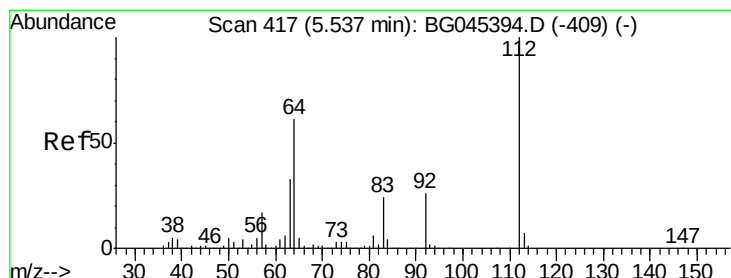
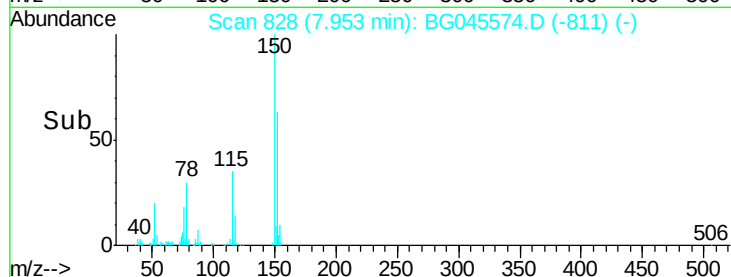
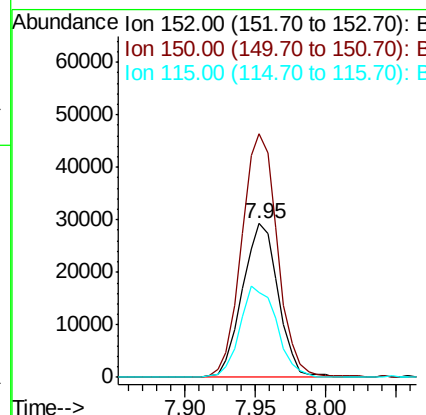
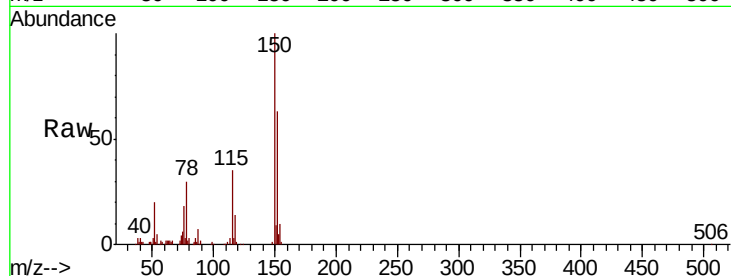


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Instrument :
BNA_G
ClientSampleId :

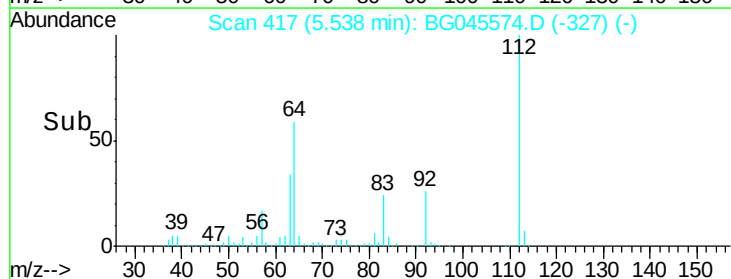
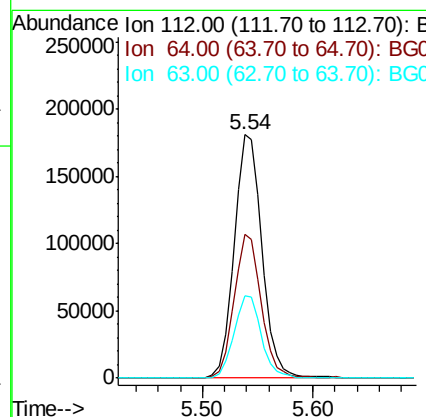
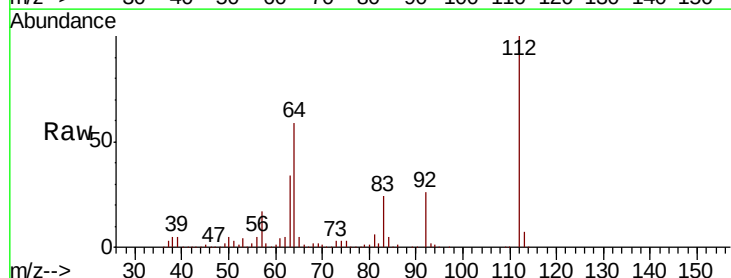
Tot Ion:152 Resp: 51813
Ion Ratio Lower Upper
152 100
150 158.6 122.4 183.6
115 55.4 44.2 66.4

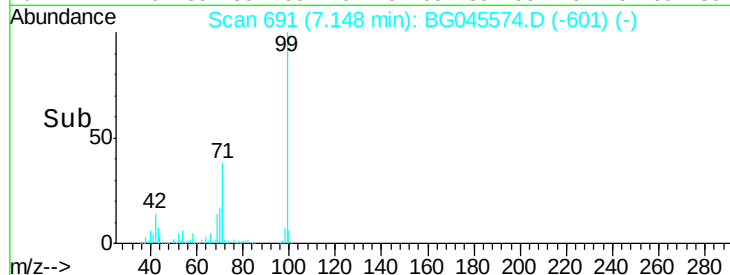
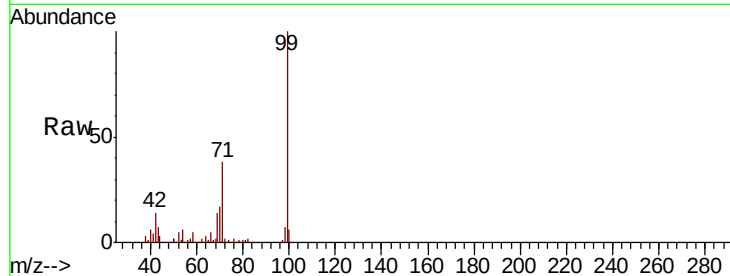
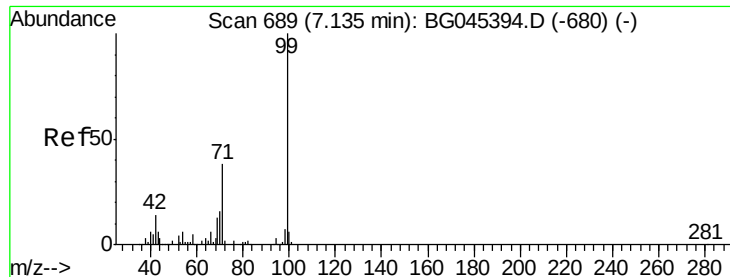


#5

2-Fluorophenol
Concen: 120.780 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Tgt Ion:112 Resp: 320216
Ion Ratio Lower Upper
112 100
64 59.2 48.6 72.8
63 34.1 26.5 39.7





#7

Phenol-d6

Concen: 122.029 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

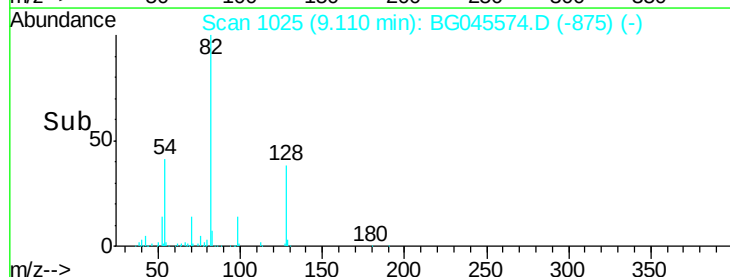
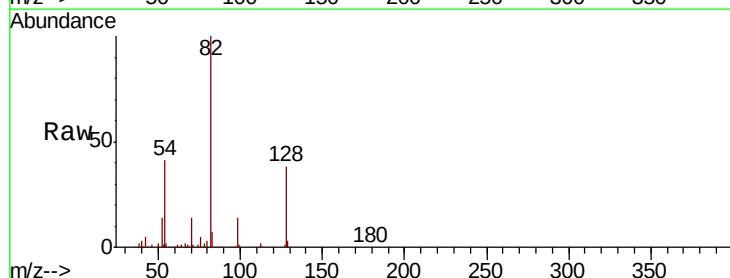
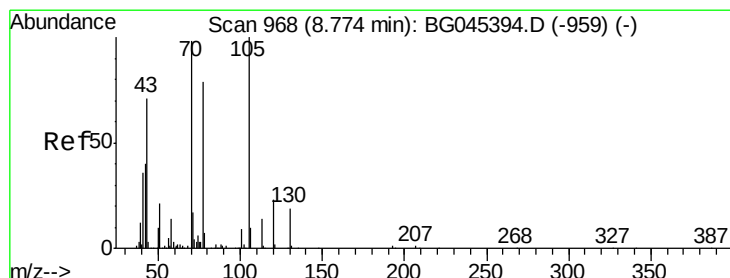
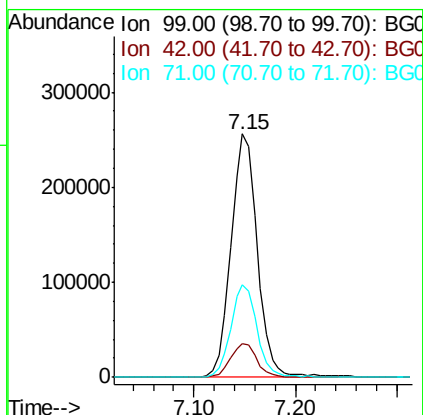
Tot Ion: 99 Resp: 460476

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

71 37.9 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.068 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

Tgt Ion: 70 Resp: 47147

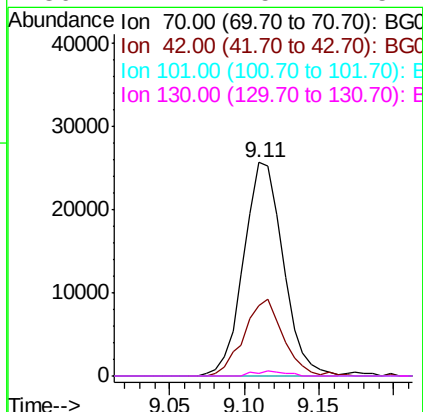
Ion Ratio Lower Upper

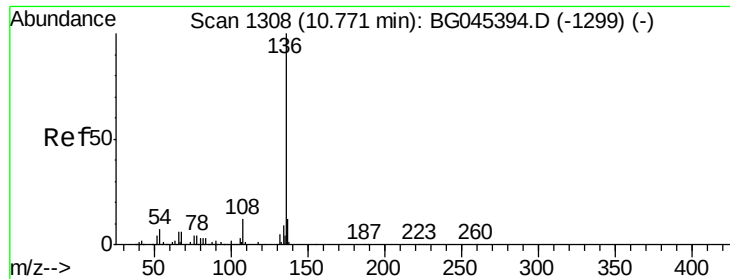
70 100

42 32.8 33.2 49.8#

101 0.0 7.8 11.6#

130 1.4 15.4 23.2#

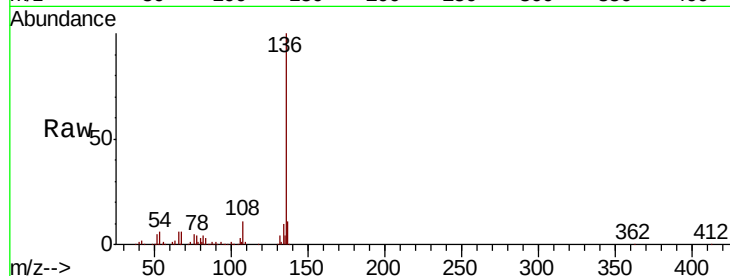




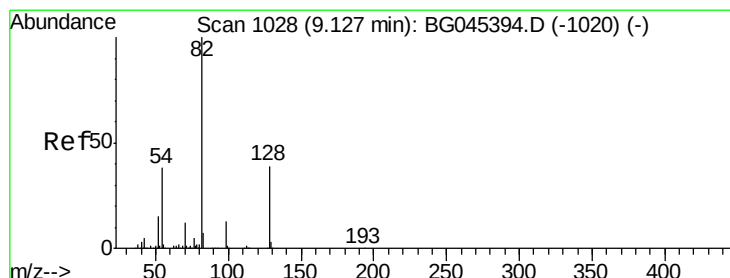
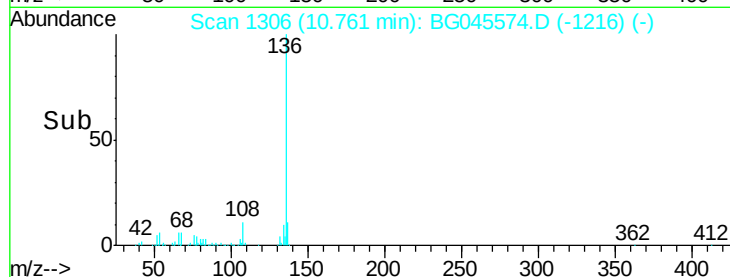
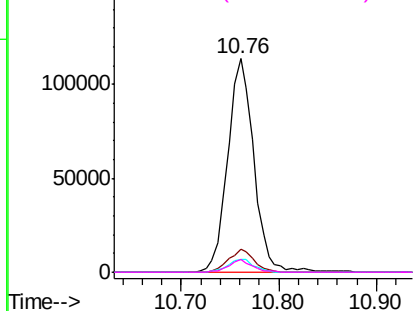
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	211167
Ion Ratio	Lower	Upper
136 100		
137 10.9	9.4	14.2
54 6.0	5.8	8.6
68 6.2	4.5	6.7

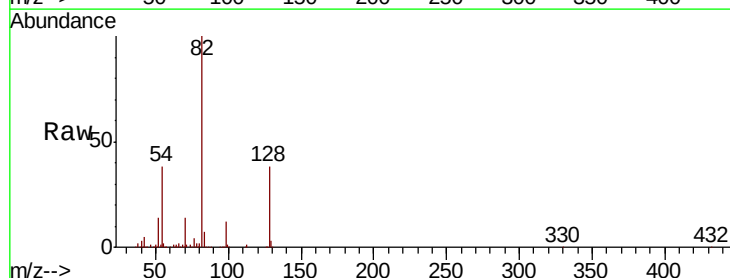


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

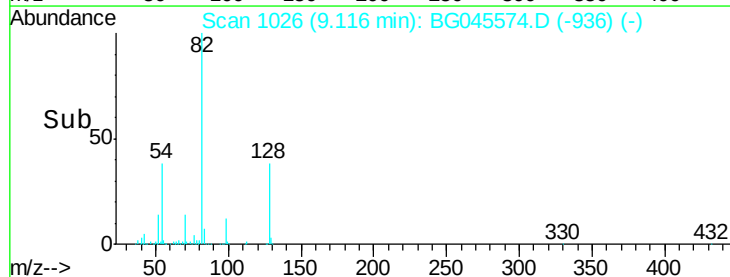
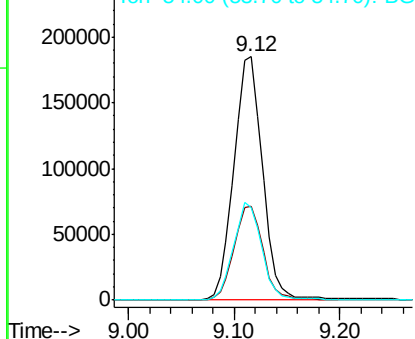


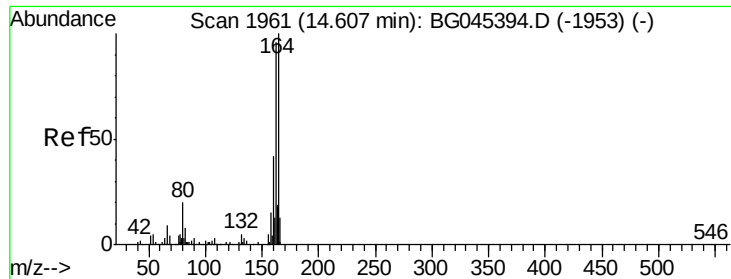
#23
Nitrobenzene-d5
Concen: 89.861 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Tgt	Ion: 82	Resp:	347977
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.9	46.3
54	37.9	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

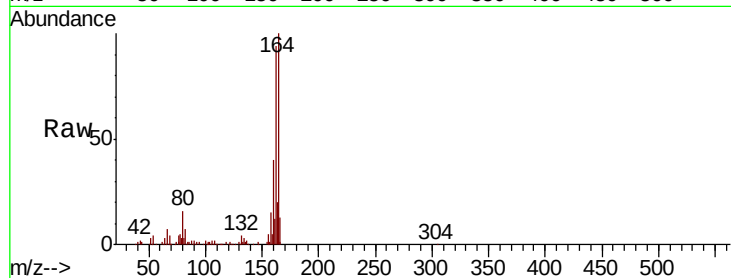
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 154839

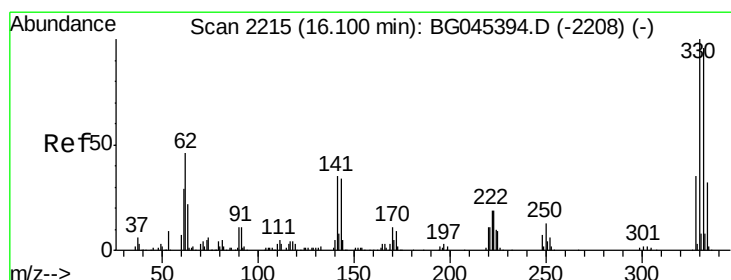
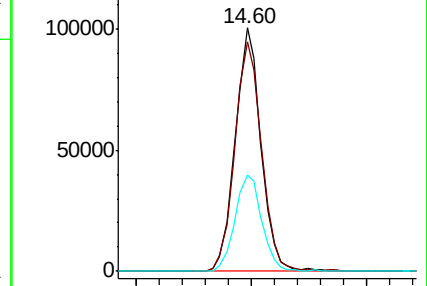
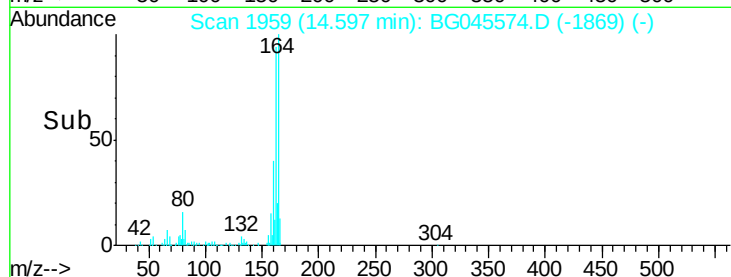
Ion	Ratio	Lower	Upper
164	100		
162	94.3	76.9	115.3
160	39.7	33.8	50.8



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: 266.915 ng

RT: 16.09 min Scan# 2214

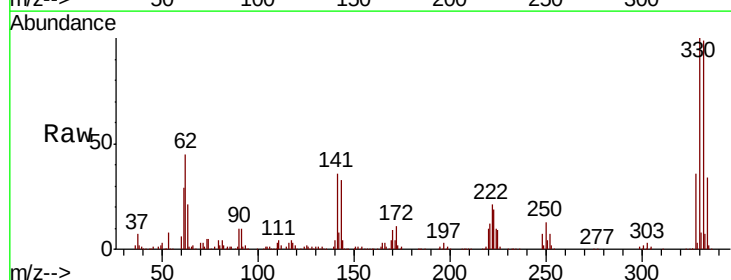
Delta R.T. 0.00 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

Tgt Ion:330 Resp: 528549

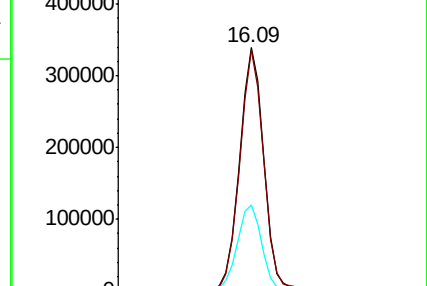
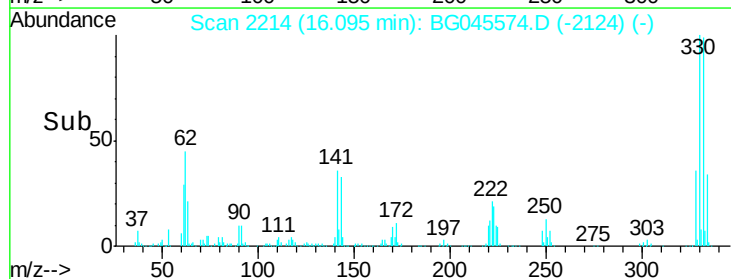
Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.2	117.4
141	35.9	28.2	42.4

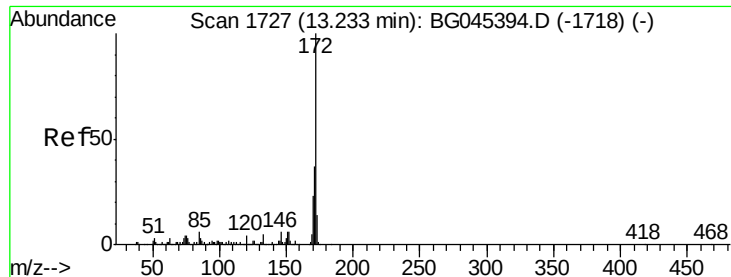


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

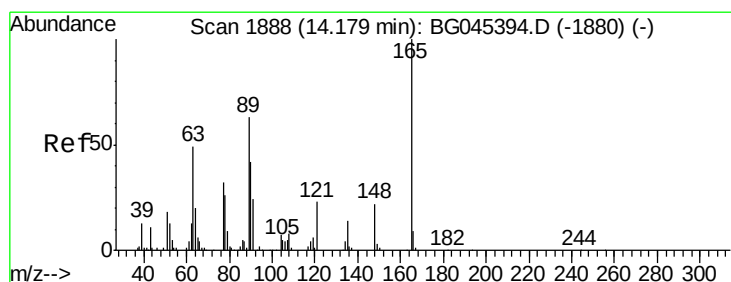
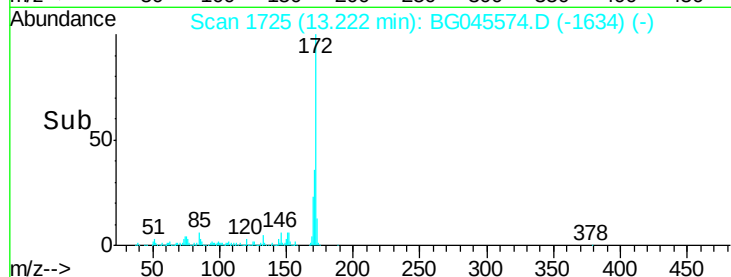
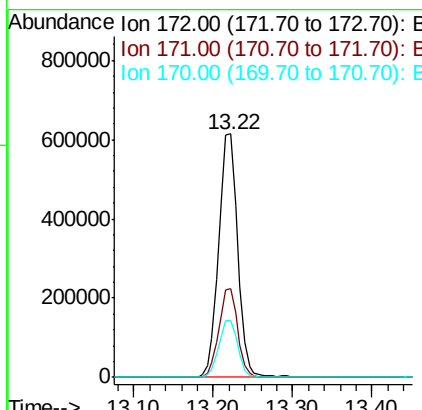
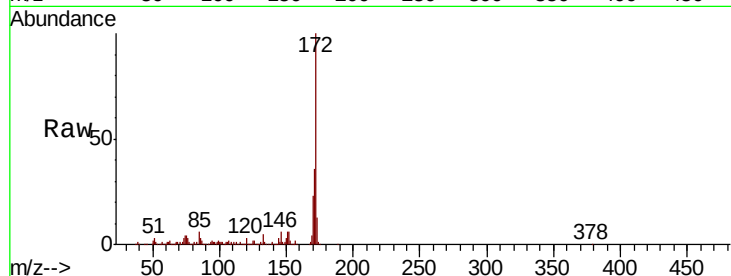




#45
2-Fluorobiphenyl
Concen: 112.230 ng
RT: 13.22 min Scan# 1725
Delta R.T. 0.01 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

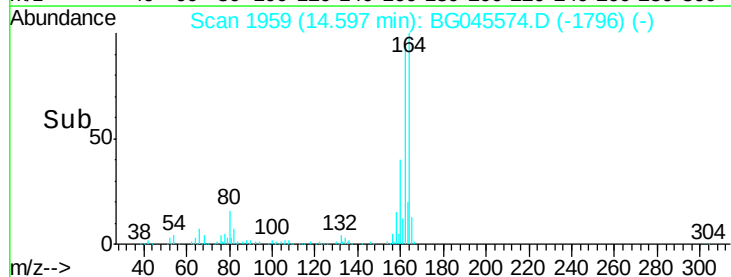
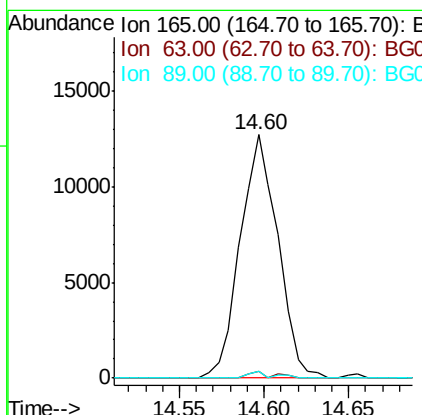
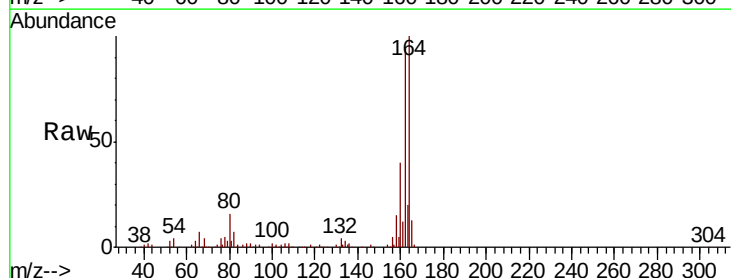
Instrument :
BNA_G
ClientSampleId :

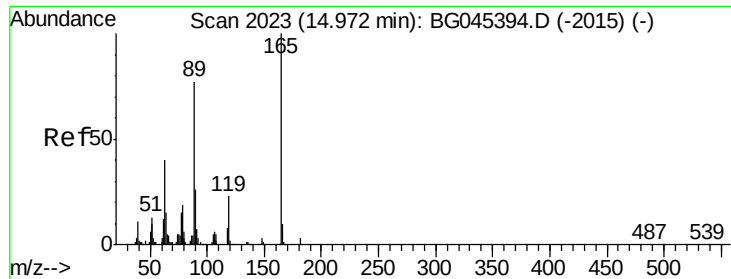
Tot Ion:172 Resp: 1024497
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 23.2 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.216 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.43 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Tgt Ion:165 Resp: 19693
Ion Ratio Lower Upper
165 100
63 2.7 45.0 67.4#
89 2.7 50.2 75.4#

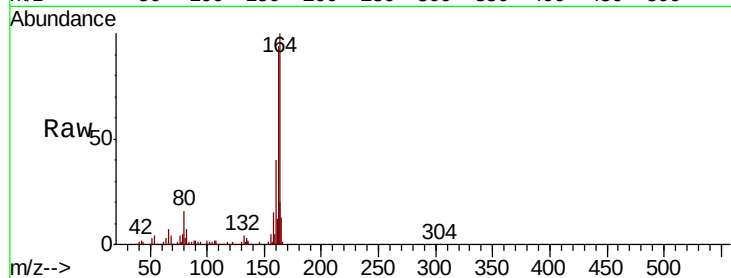




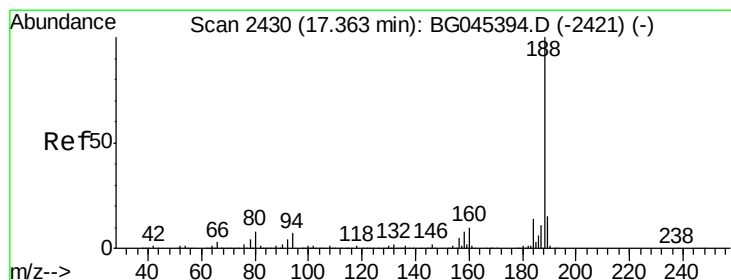
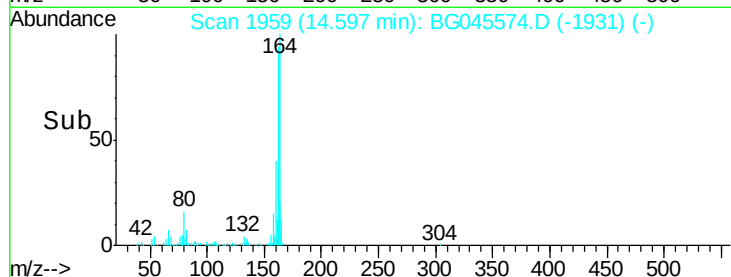
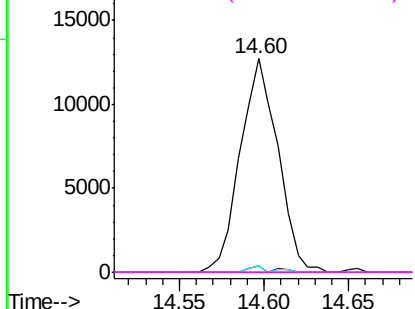
#57
 2,4-Dinitrotoluene
 Concen: 5.673 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.36 min
 Lab File: BG045574.D
 Acq: 2 Jun 2020 12:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 19693
 Ion Ratio Lower Upper
 165 100
 63 2.7 32.5 48.7#
 89 2.7 61.8 92.6#
 182 0.0 2.3 3.5#

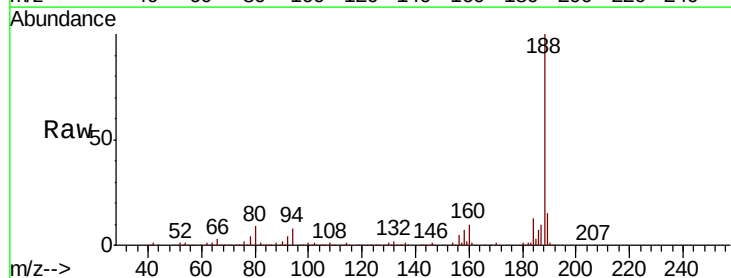


Abundance Ion 165.00 (164.70 to 165.70): E
 20000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

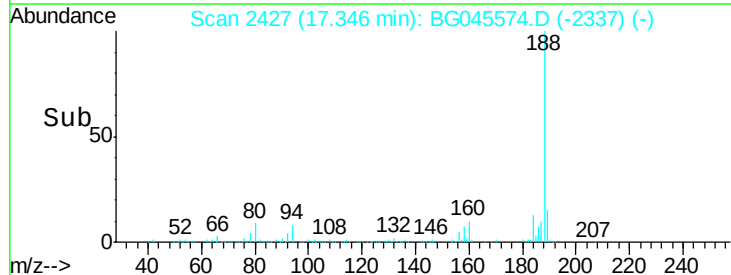
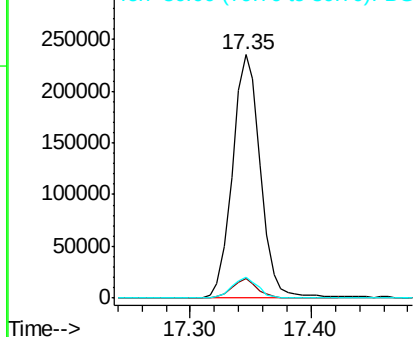


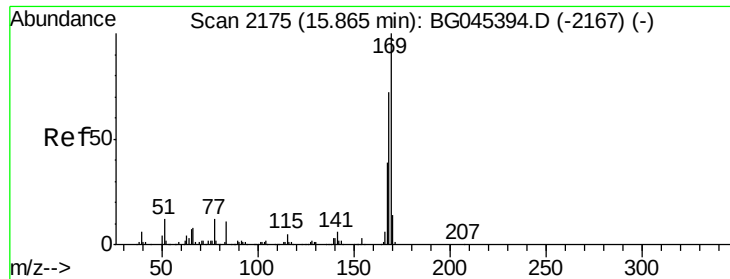
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BG045574.D
 Acq: 2 Jun 2020 12:14

Tgt Ion:188 Resp: 378661
 Ion Ratio Lower Upper
 188 100
 94 8.0 5.5 8.3
 80 8.5 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E
 300000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

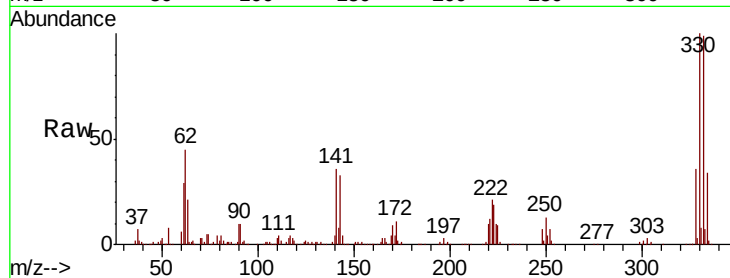




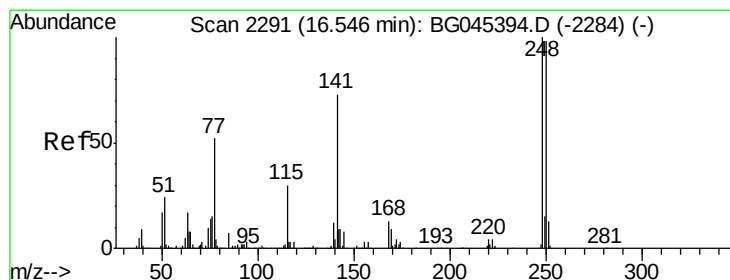
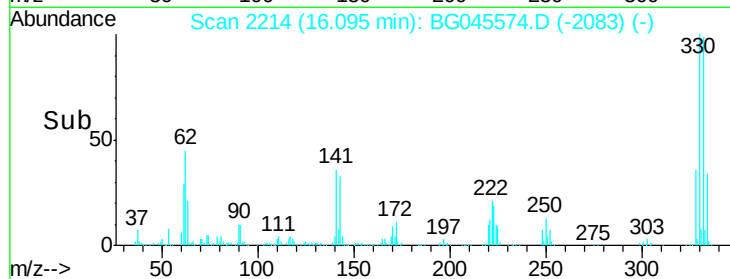
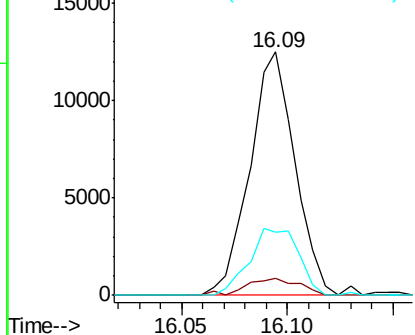
#66
 n-Nitrosodiphenylamine
 Concen: 2.035 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. 0.24 min
 Lab File: BG045574.D
 Acq: 2 Jun 2020 12:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 18504
 Ion Ratio Lower Upper
 169 100
 168 7.1 57.8 86.6#
 167 26.1 31.5 47.3#

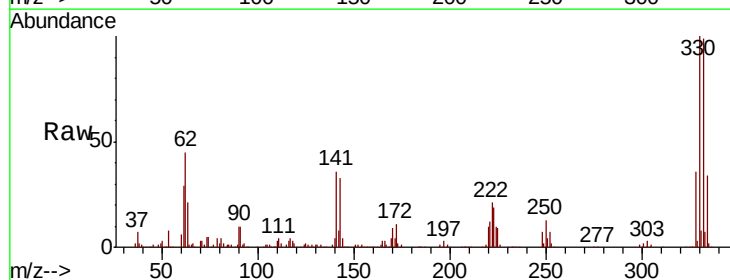


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

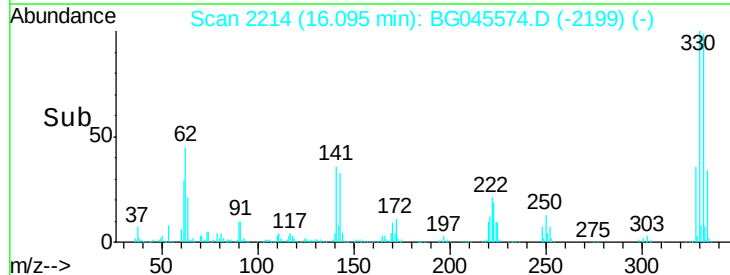
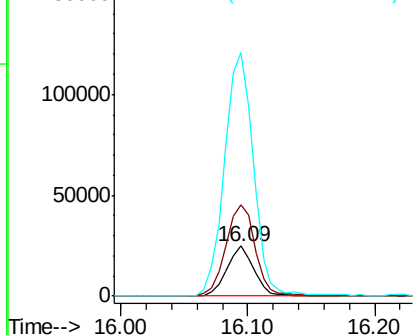


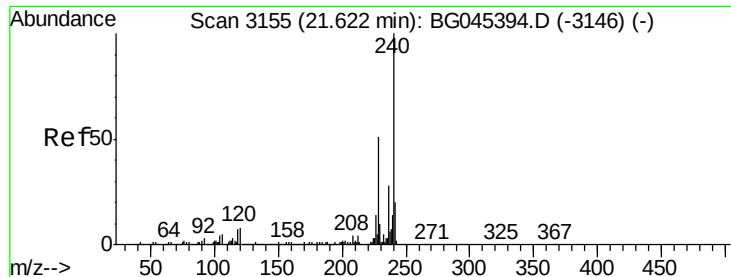
#67
 4-Bromophenyl-phenylether
 Concen: 8.941 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045574.D
 Acq: 2 Jun 2020 12:14

Tgt Ion:248 Resp: 36659
 Ion Ratio Lower Upper
 248 100
 250 183.5 78.6 117.8#
 141 488.8 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

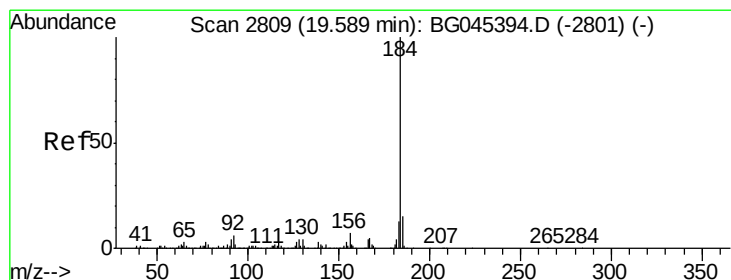
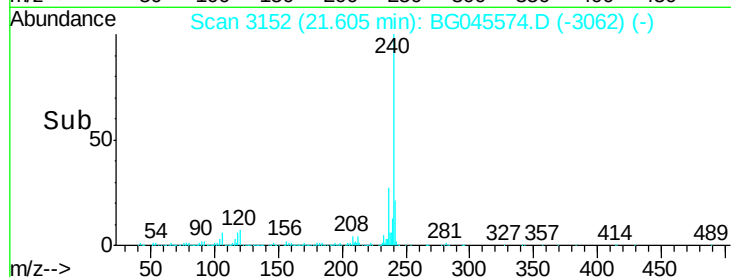
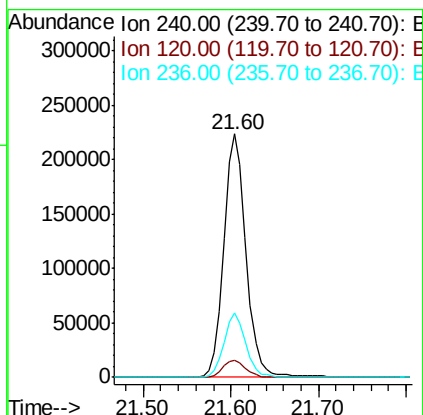
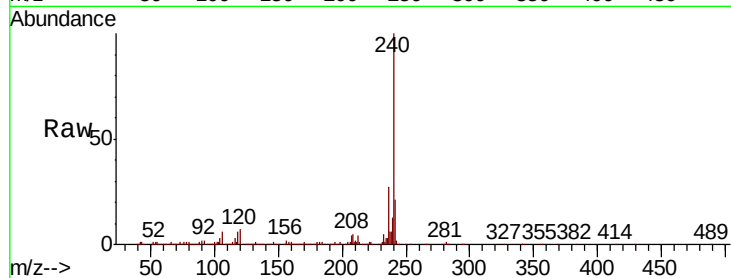




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

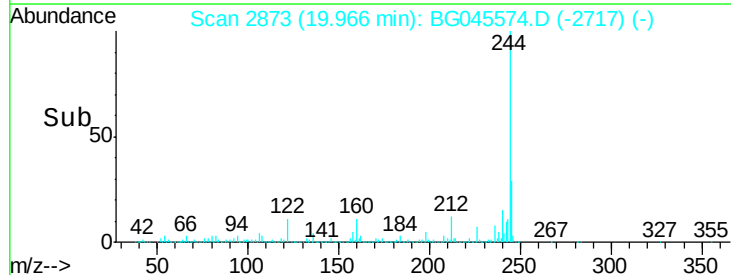
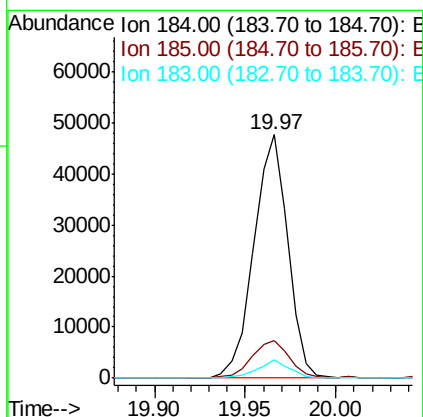
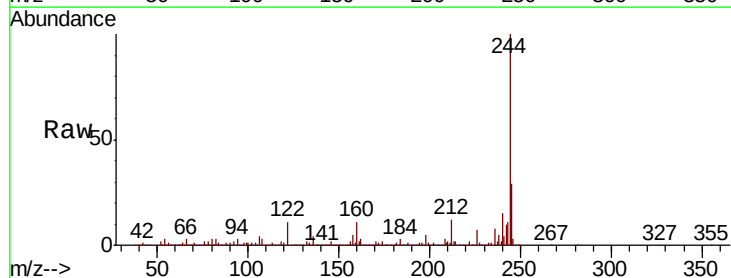
Instrument :
BNA_G
ClientSampleId :

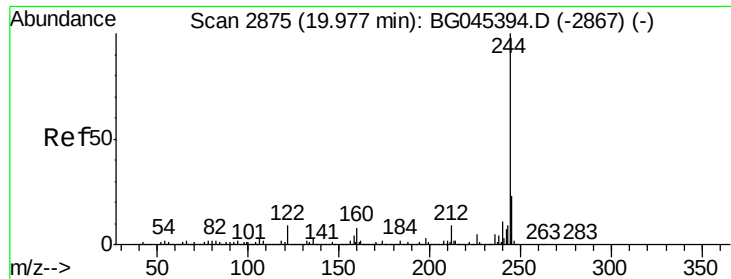
Tot Ion:240 Resp: 390454
Ion Ratio Lower Upper
240 100
120 7.0 6.1 9.1
236 26.6 22.3 33.5



#77
Benzidine
Concen: 5.645 ng
RT: 19.97 min Scan# 2873
Delta R.T. 0.39 min
Lab File: BG045574.D
Acq: 2 Jun 2020 12:14

Tgt Ion:184 Resp: 61907
Ion Ratio Lower Upper
184 100
185 15.4 11.7 17.5
183 7.5 10.2 15.4#





#79

Terphenyl-d14

Concen: 169.339 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

Instrument :

BNA_G

ClientSampleId :

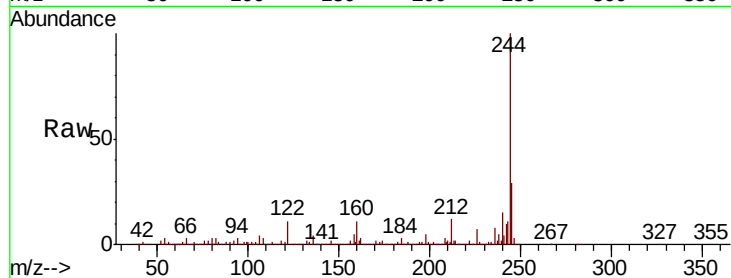
Tot Ion:244 Resp: 2834925

Ion Ratio Lower Upper

244 100

212 12.2 7.4 11.0#

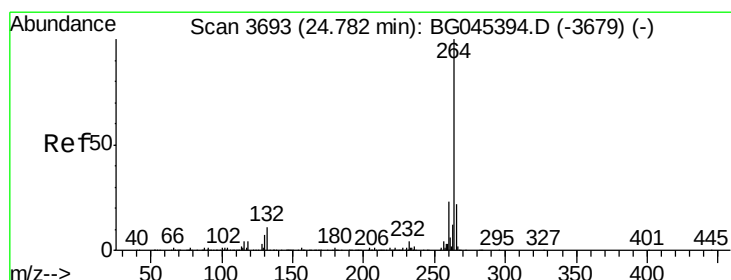
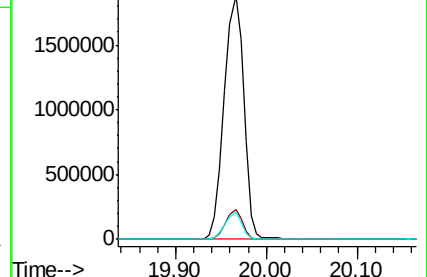
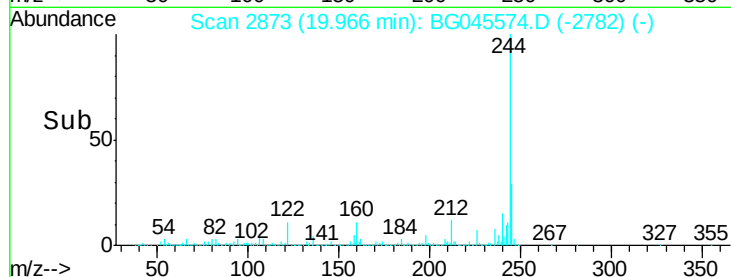
122 11.1 6.8 10.2#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BG045574.D

Acq: 2 Jun 2020 12:14

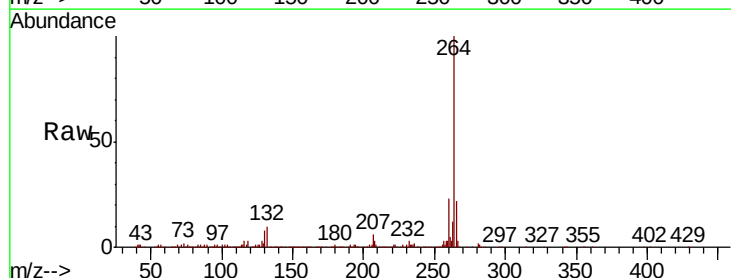
Tgt Ion:264 Resp: 403348

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 22.3 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

