

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044372.D
 Acq On : 11 Feb 2020 3:12
 Operator : CG/JU
 Sample : PB126703BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 06:24:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

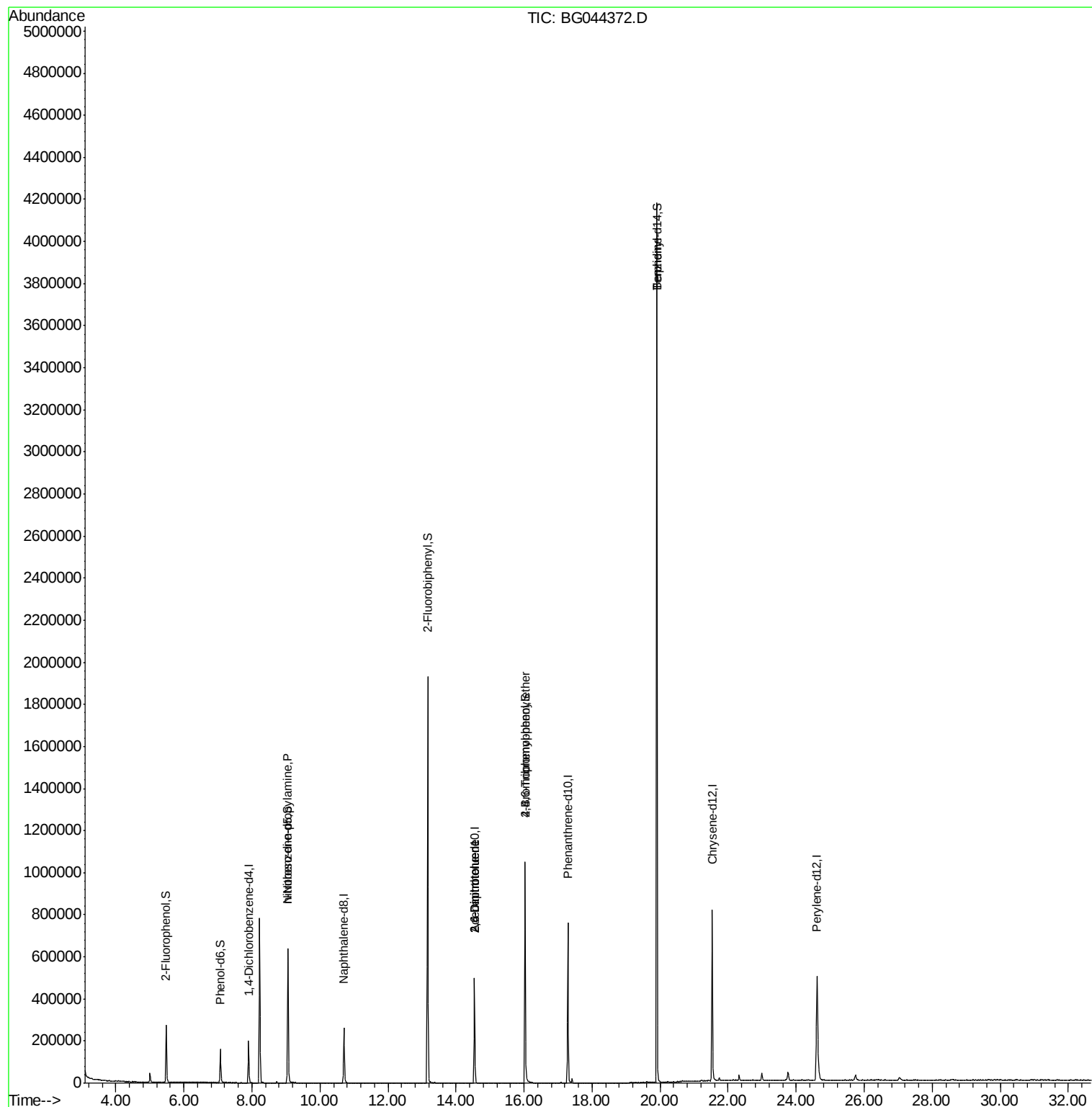
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	60452	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	267246	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	194480	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	495087	20.00	ng	0.00
76) Chrysene-d12	21.53	240	508402	20.00	ng	0.00
87) Perylene-d12	24.61	264	530412	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	141824	41.40	ng	0.00
7) Phenol-d6	7.07	99	113501	24.68	ng	0.00
23) Nitrobenzene-d5	9.06	82	421172	88.97	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	230475	100.95	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1062574	91.49	ng	0.00
79) Terphenyl-d14	19.90	244	1964340	79.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	53850	17.566	ng	# 74
51) 2,6-Dinitrotoluene	14.54	165	24651	7.909	ng	# 29
57) 2,4-Dinitrotoluene	14.54	165	24651	5.643	ng	# 26
67) 4-Bromophenyl-phenylether	16.03	248	14675	2.721	ng	# 1
77) Benzidine	19.90	184	32404	2.298	ng	# 90

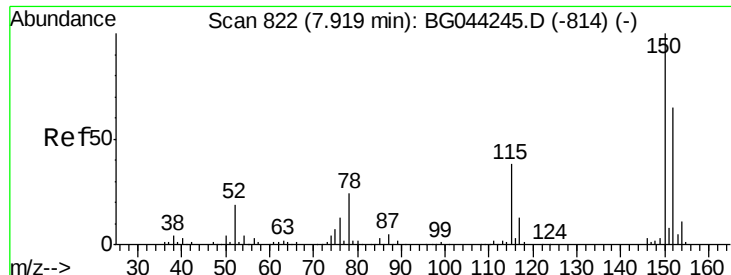
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

Instrument :

BNA_G

ClientSampleId :

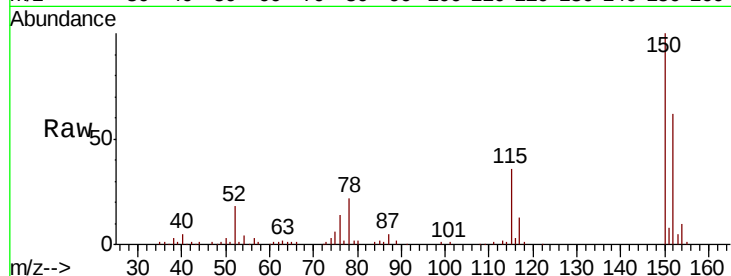
Tot Ion:152 Resp: 60452

Ion Ratio Lower Upper

152 100

150 160.2 122.6 183.8

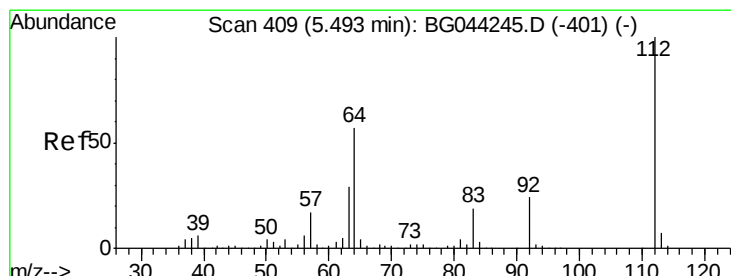
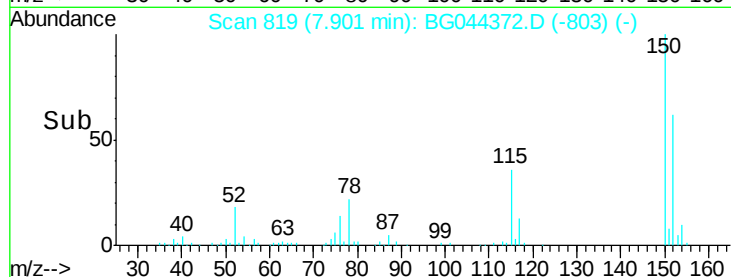
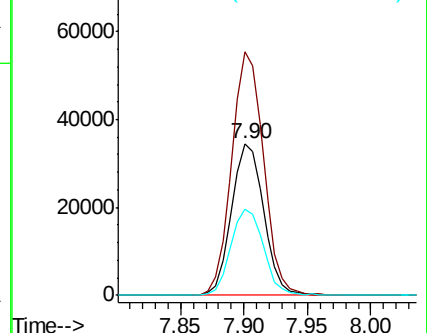
115 57.1 46.0 69.0



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: 41.404 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

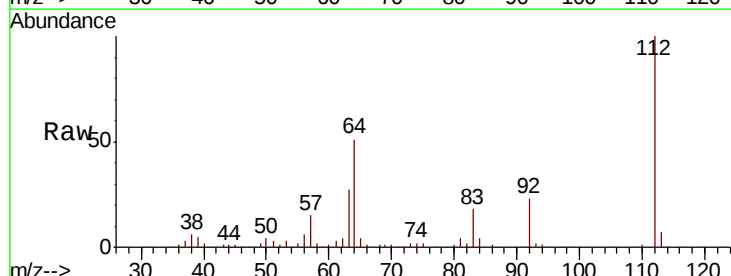
Tgt Ion:112 Resp: 141824

Ion Ratio Lower Upper

112 100

64 51.4 45.4 68.2

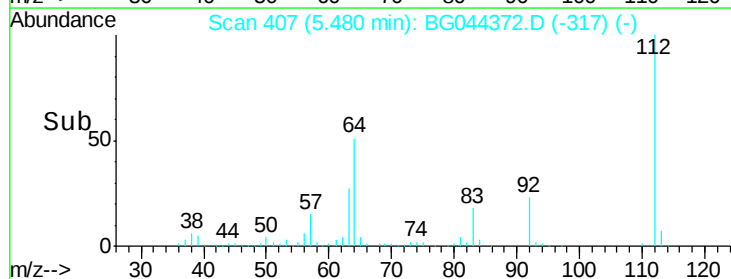
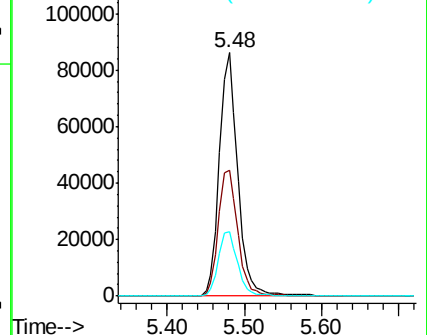
63 26.7 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 24.676 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

Instrument :

BNA_G

ClientSampleId :

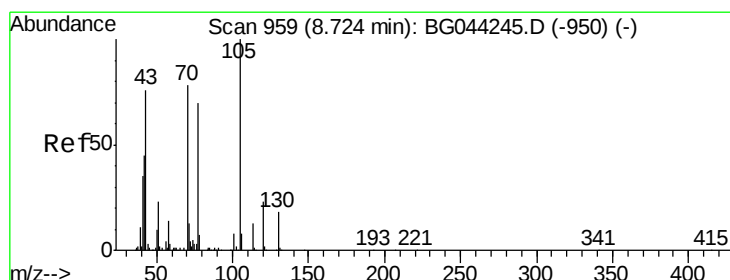
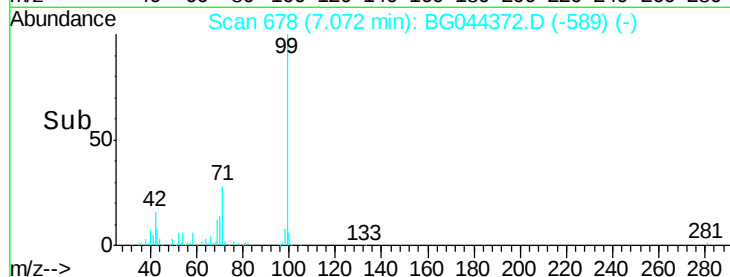
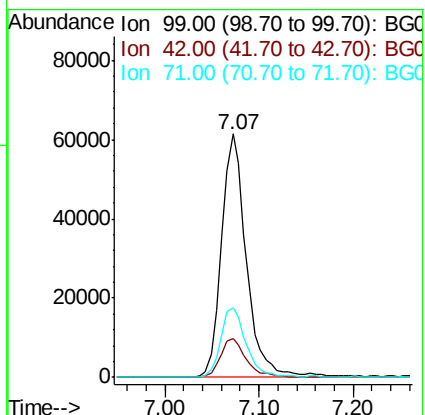
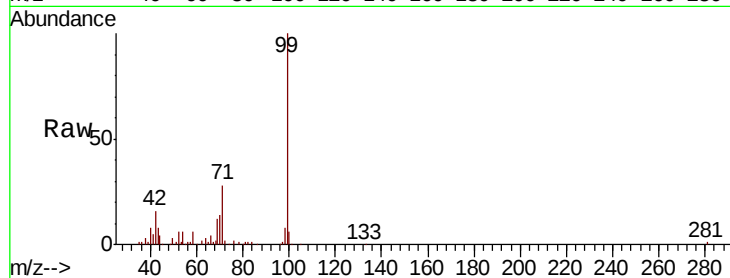
Tot Ion: 99 Resp: 113501

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.6

71 28.5 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.566 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

Tgt Ion: 70 Resp: 53850

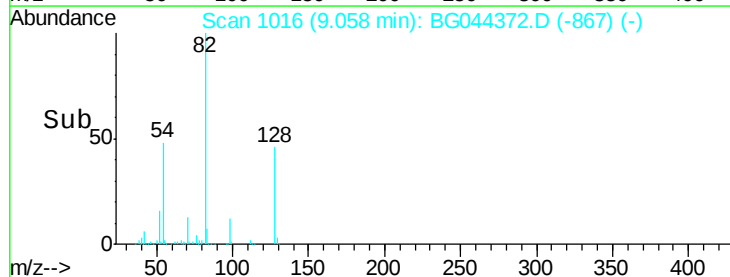
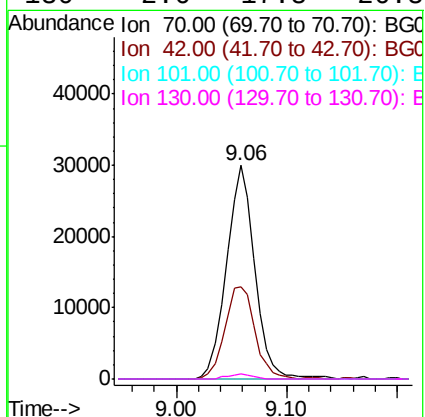
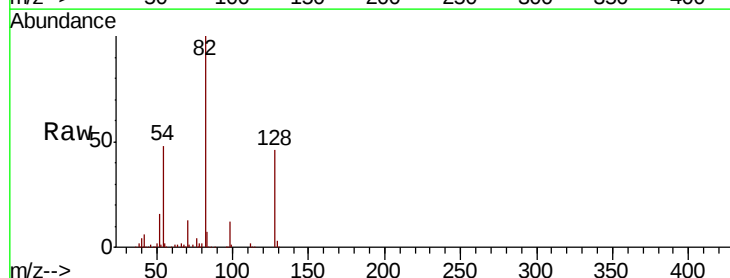
Ion Ratio Lower Upper

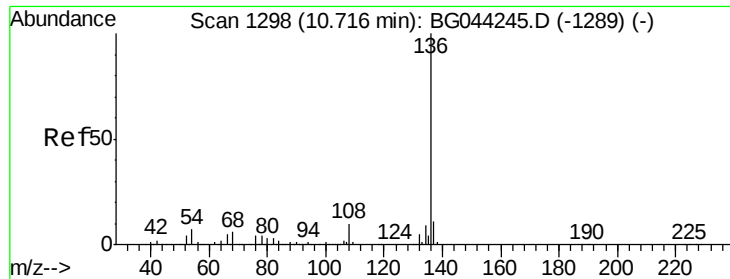
70 100

42 43.1 46.2 69.2#

101 0.0 8.4 12.6#

130 2.6 17.8 26.8#

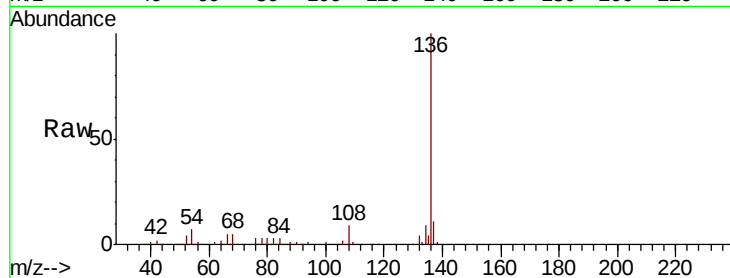




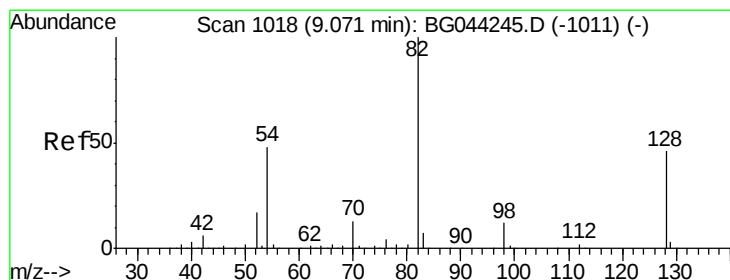
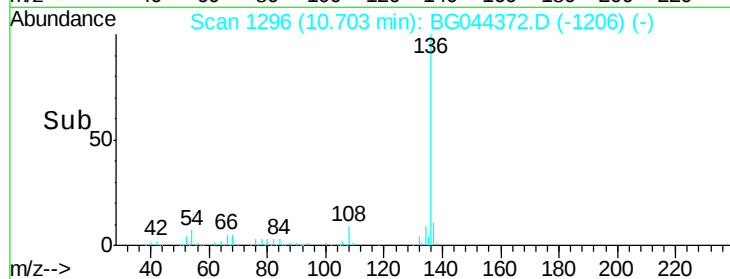
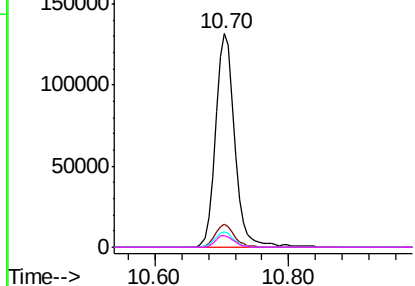
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044372.D
Acq: 11 Feb 2020 3:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	267246
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	7.3	5.8 8.8
68	5.5	4.6 6.8

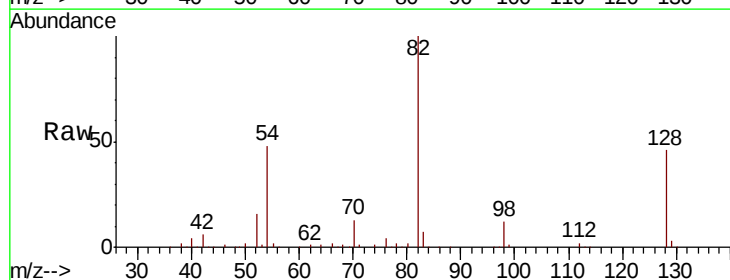


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

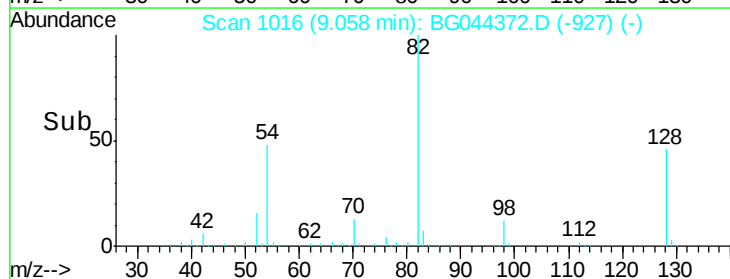
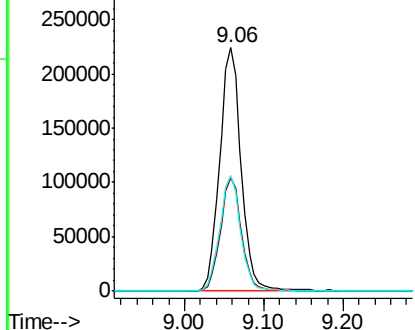


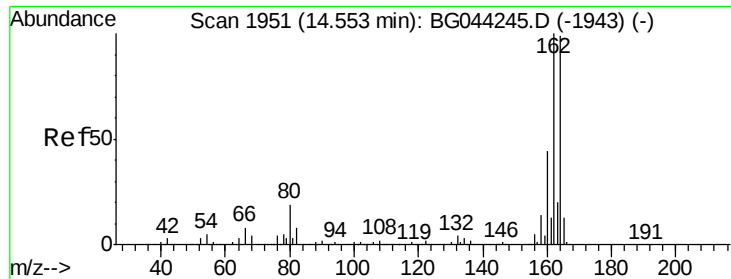
#23
Nitrobenzene-d5
Concen: 88.974 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044372.D
Acq: 11 Feb 2020 3:12

Tgt Ion: 82	Resp:	421172
Ion	Ratio	Lower Upper
82	100	
128	46.4	36.5 54.7
54	47.6	38.6 58.0



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: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

Instrument :

BNA_G

ClientSampleId :

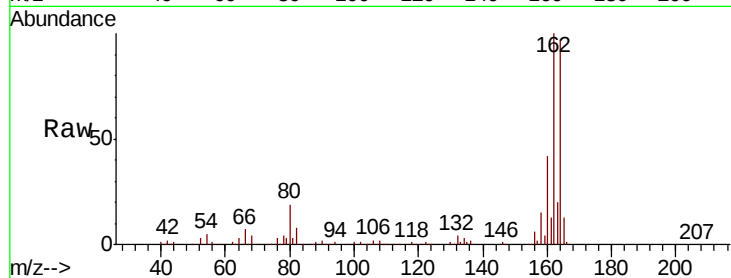
Tot Ion:164 Resp: 194480

Ion Ratio Lower Upper

164 100

162 102.9 80.7 121.1

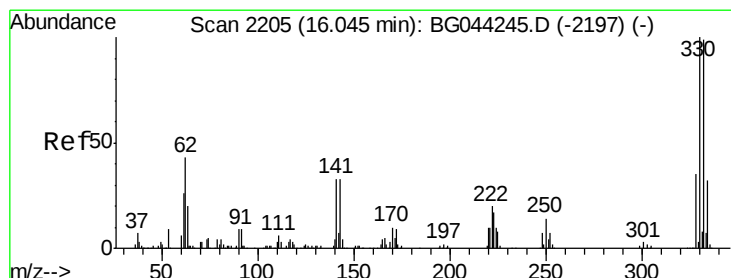
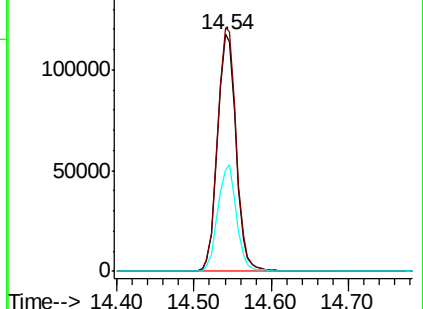
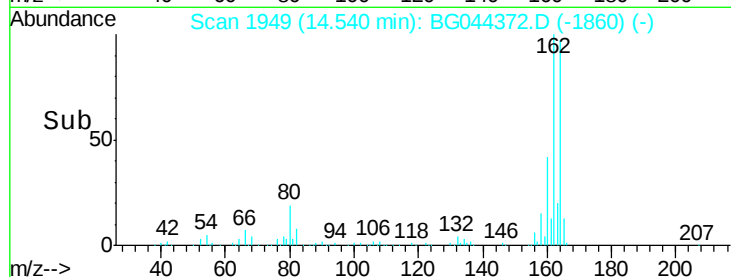
160 43.0 35.3 52.9



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: 100.949 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

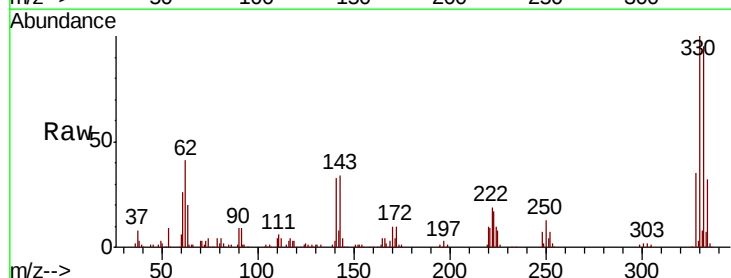
Tgt Ion:330 Resp: 230475

Ion Ratio Lower Upper

330 100

332 94.4 77.2 115.8

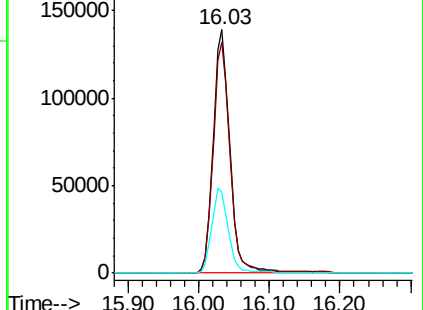
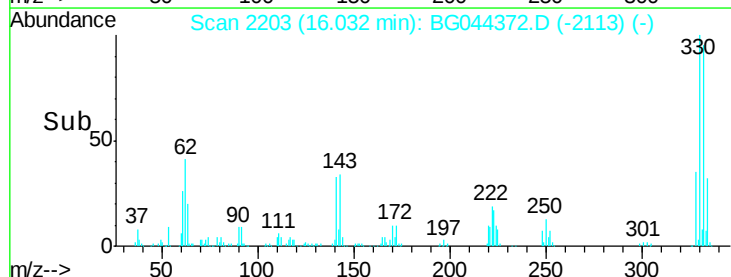
141 34.8 28.3 42.5



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

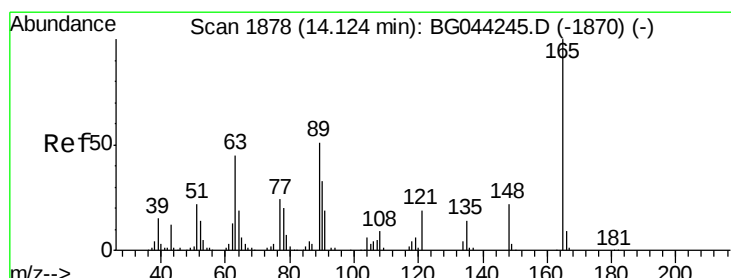
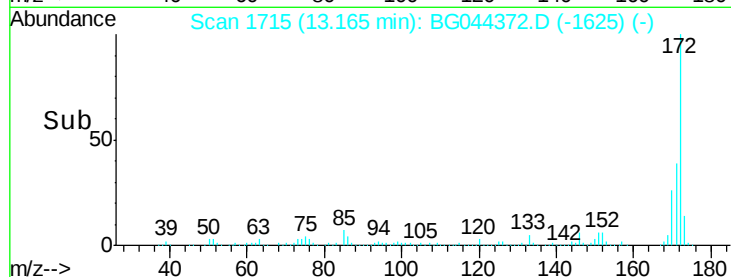
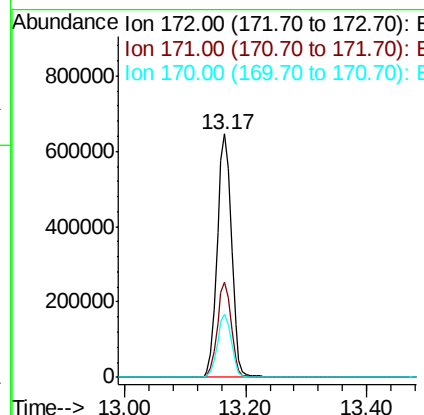
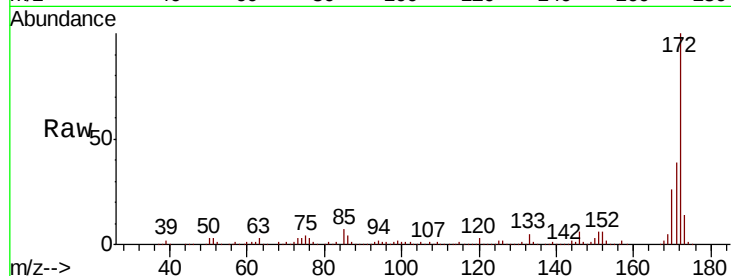




#45
2-Fluorobiphenyl
Concen: 91.492 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044372.D
Acq: 11 Feb 2020 3:12

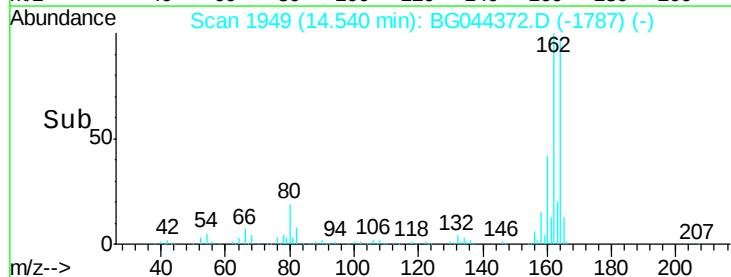
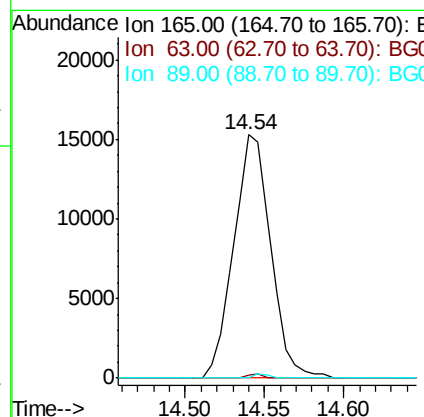
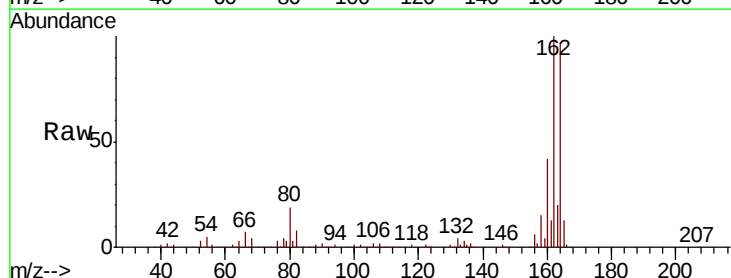
Instrument :
BNA_G
ClientSampleId :

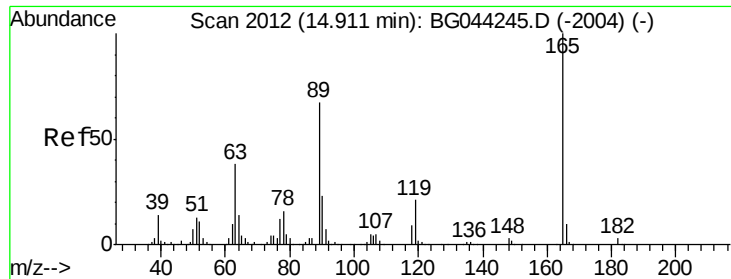
Tot Ion:172 Resp: 1062574
Ion Ratio Lower Upper
172 100
171 39.1 32.9 49.3
170 26.0 22.0 33.0



#51
2,6-Dinitrotoluene
Concen: 7.909 ng
RT: 14.54 min Scan# 1949
Delta R.T. 0.42 min
Lab File: BG044372.D
Acq: 11 Feb 2020 3:12

Tgt Ion:165 Resp: 24651
Ion Ratio Lower Upper
165 100
63 1.4 38.7 58.1#
89 0.0 40.4 60.6#

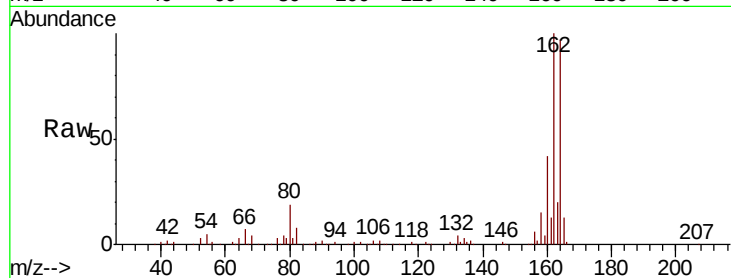




#57
 2,4-Dinitrotoluene
 Concen: 5.643 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044372.D
 Acq: 11 Feb 2020 3:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#

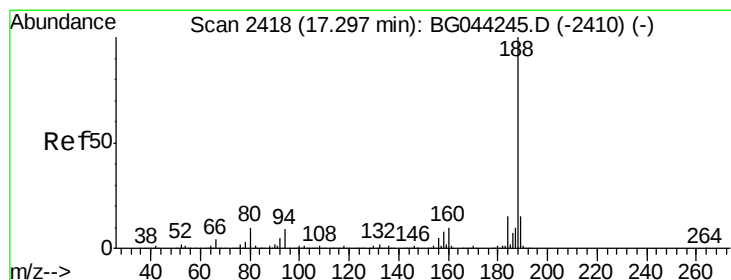
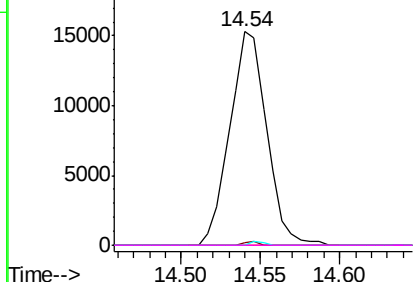
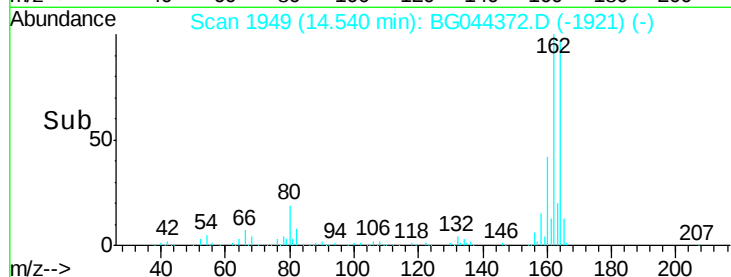


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

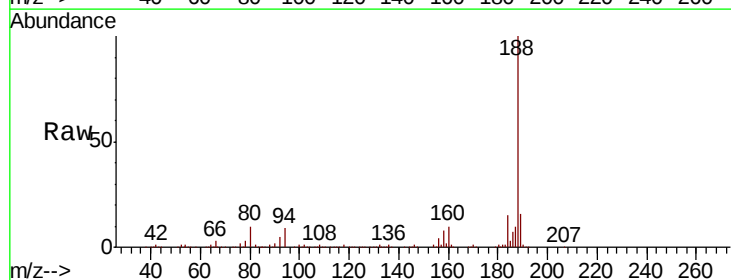
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044372.D
 Acq: 11 Feb 2020 3:12

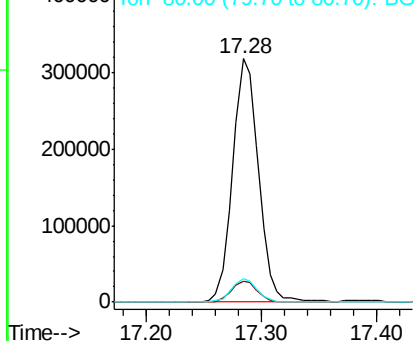
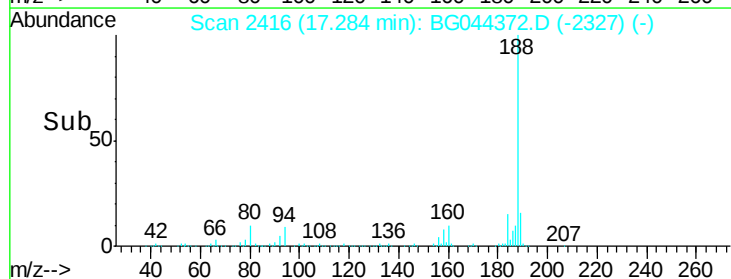
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.2
80	9.6	7.7	11.5

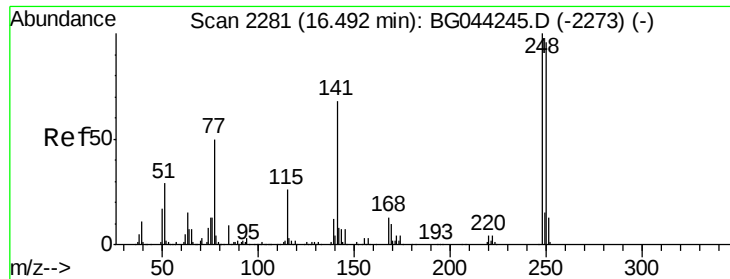


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

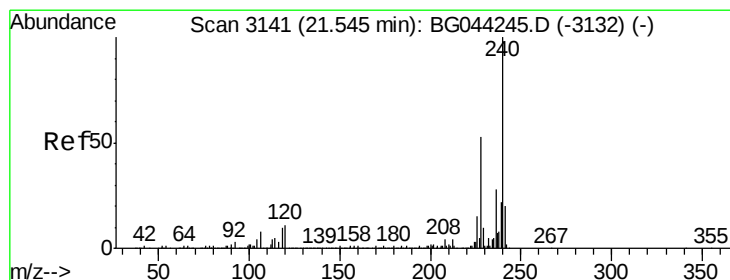
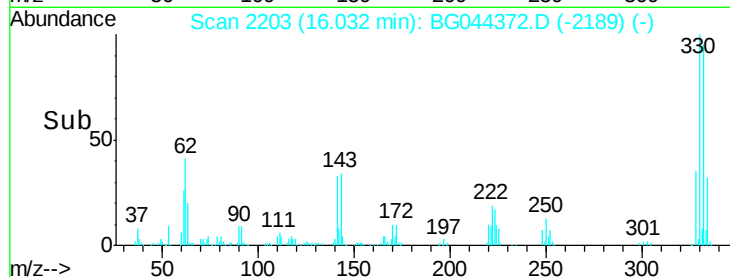
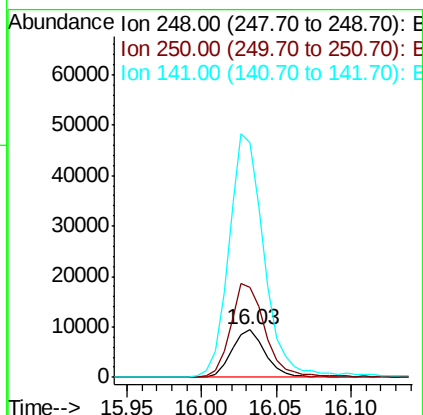
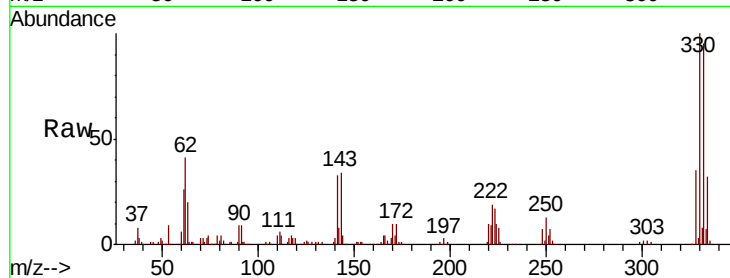




#67
 4-Bromophenyl-phenylether
 Concen: 2.721 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044372.D
 Acq: 11 Feb 2020 3:12

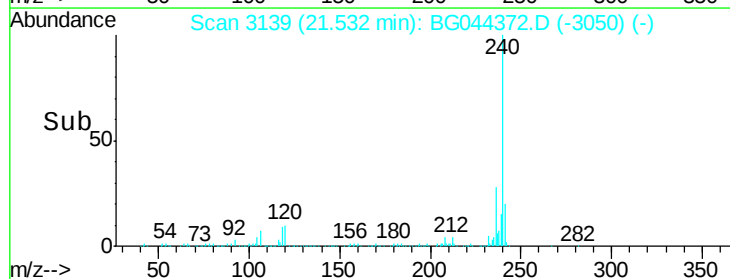
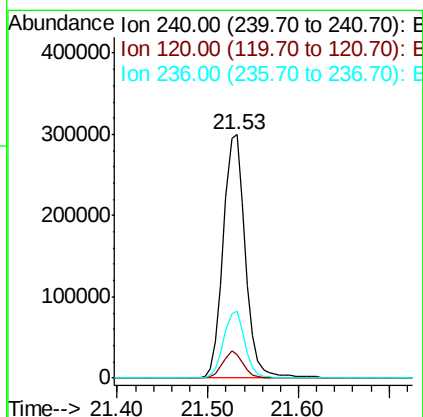
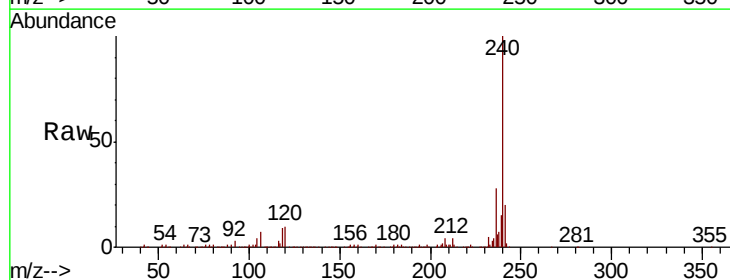
Instrument :
 BNA_G
 ClientSampleId :

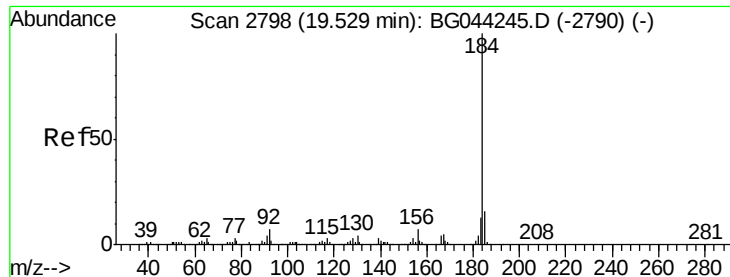
Tot Ion:248 Resp: 14675
 Ion Ratio Lower Upper
 248 100
 250 189.8 76.6 114.8#
 141 497.0 54.7 82.1#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BG044372.D
 Acq: 11 Feb 2020 3:12

Tgt Ion:240 Resp: 508402
 Ion Ratio Lower Upper
 240 100
 120 9.9 8.4 12.6
 236 27.7 22.1 33.1





#77

Benzidine

Concen: 2.298 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

Instrument :

BNA_G

ClientSampleId :

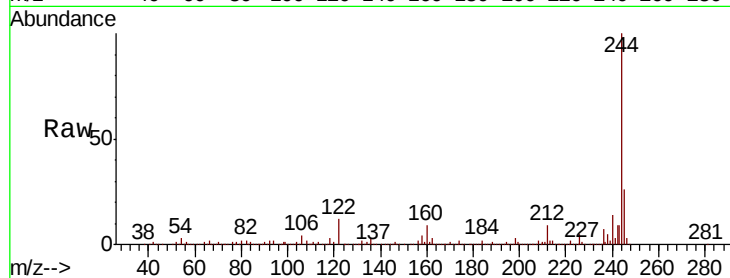
Tot Ion:184 Resp: 32404

Ion Ratio Lower Upper

184 100

185 14.6 12.9 19.3

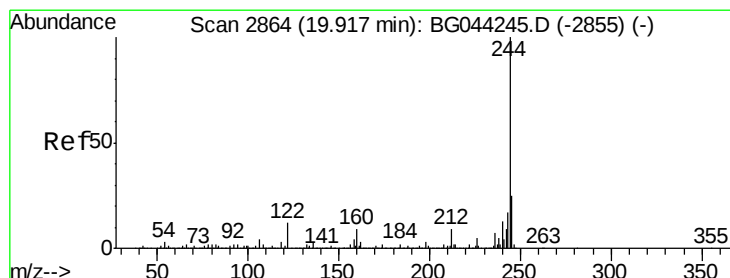
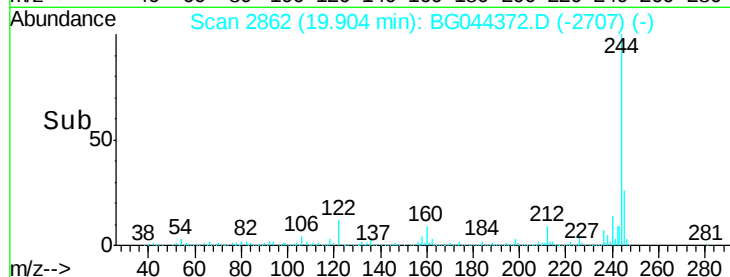
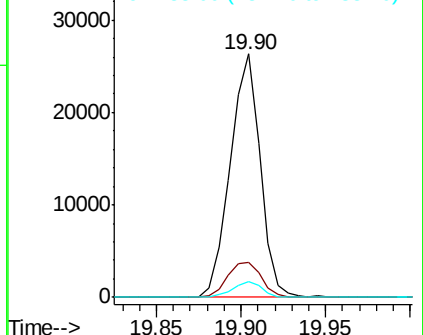
183 6.5 10.8 16.2#



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: 79.472 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044372.D

Acq: 11 Feb 2020 3:12

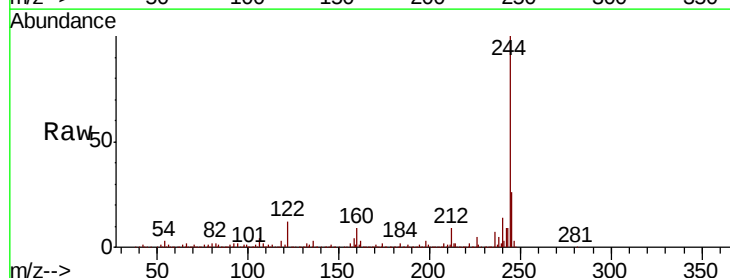
Tgt Ion:244 Resp: 1964340

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.2

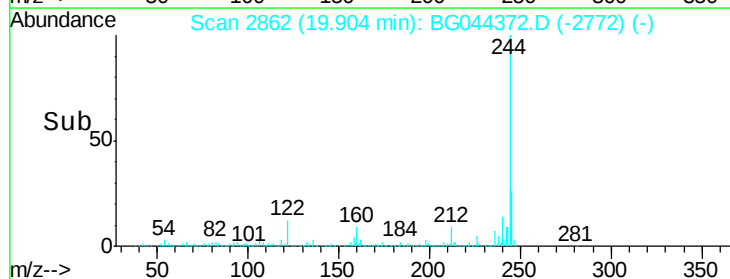
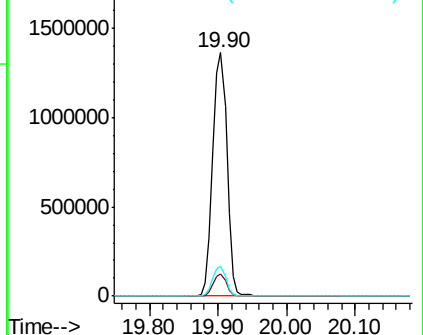
122 12.3 9.8 14.6

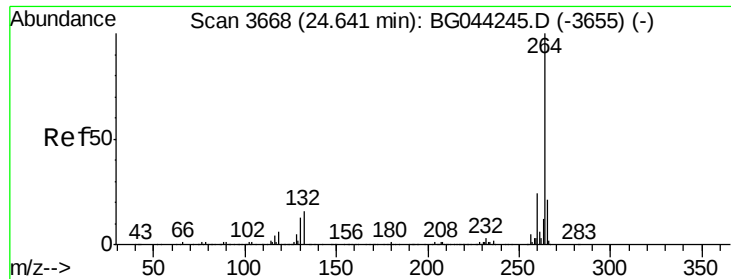


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044372.D
Acq: 11 Feb 2020 3:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.8	16.7	25.1

