

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040864.D
 Acq On : 11 May 2019 3:00
 Operator : HP/JU
 Sample : K2754-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11995

Quant Time: May 11 05:46:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

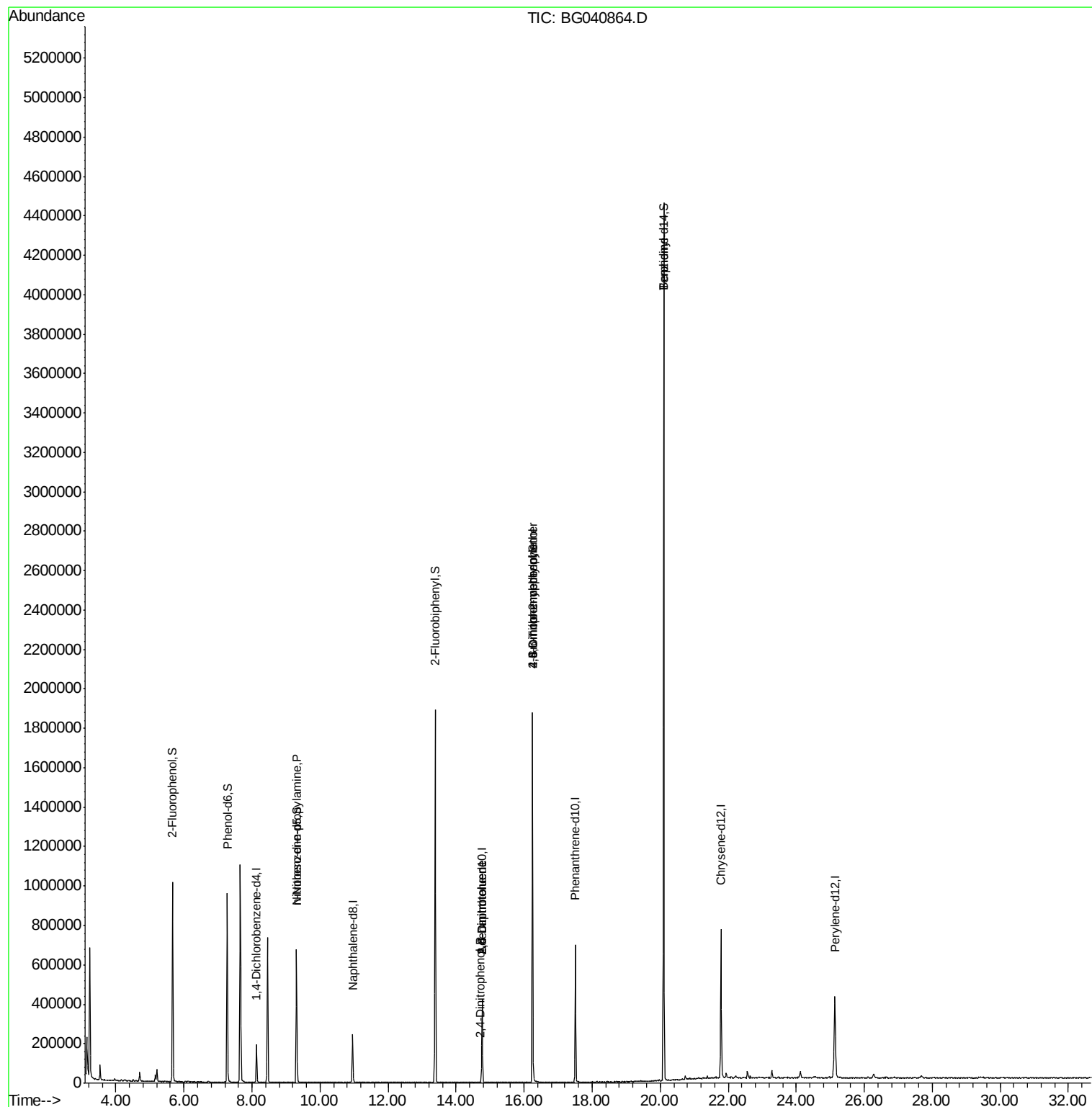
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	49395	20.00	ng	-0.02
21) Naphthalene-d8	10.95	136	190908	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	144389	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	410494	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	464349	20.00	ng	-0.04
87) Perylene-d12	25.13	264	476581	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	371064	132.42	ng	-0.02
7) Phenol-d6	7.28	99	506714	117.44	ng	-0.02
23) Nitrobenzene-d5	9.31	82	406377	98.36	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	352562	177.64	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	933051	93.33	ng	-0.03
79) Terphenyl-d14	20.10	244	2016470	96.21	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1177	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	58847	15.152 ng	#	72
51) 2,6-Dinitrotoluene	14.76	165	18975	8.048 ng	#	14
54) 2,4-Dinitrophenol	14.70	184	56	7.053 ng	#	21
57) 2,4-Dinitrotoluene	14.76	165	18975	5.923 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.25	198	1766	7.845 ng	#	55
67) 4-Bromophenyl-phenylether	16.25	248	26170	5.117 ng	#	1
77) Benzydine	20.10	184	36687	2.886 ng	#	93

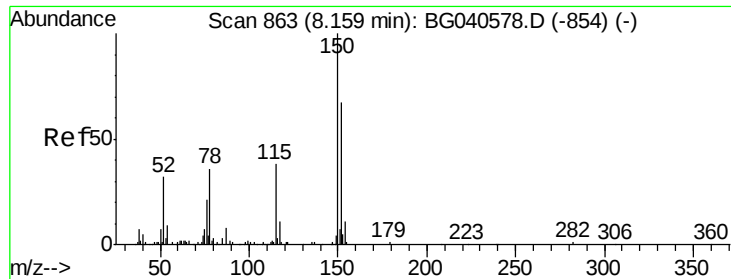
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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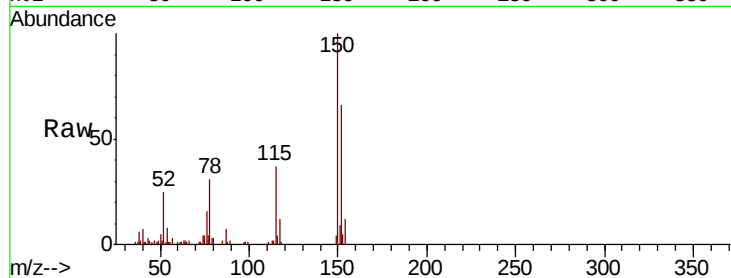




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Instrument :
 BNA_G
 ClientSampleId :
 72-11995

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.4	120.2	180.2
115	56.6	46.2	69.2

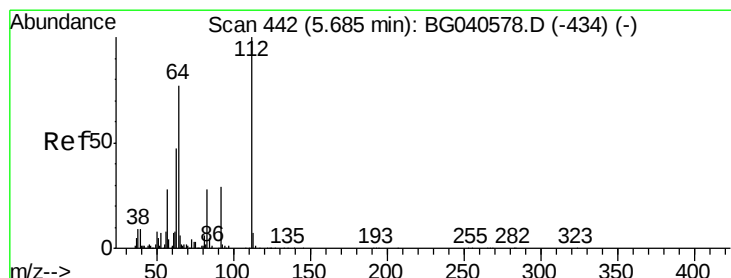
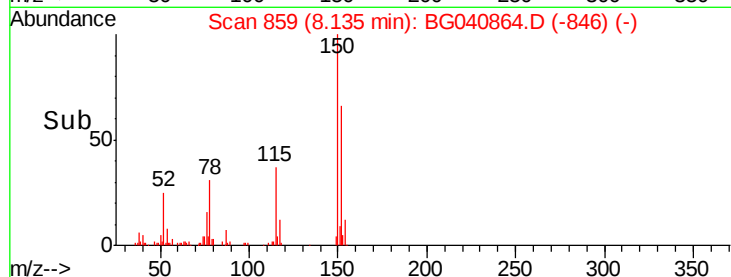
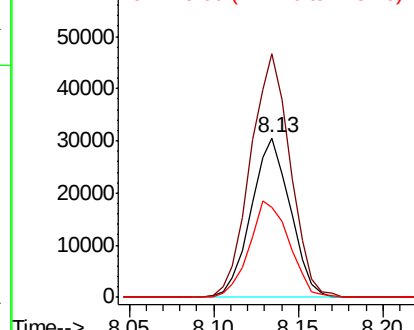


Abundance

Ion 152.00 (151.70 to 152.70): E

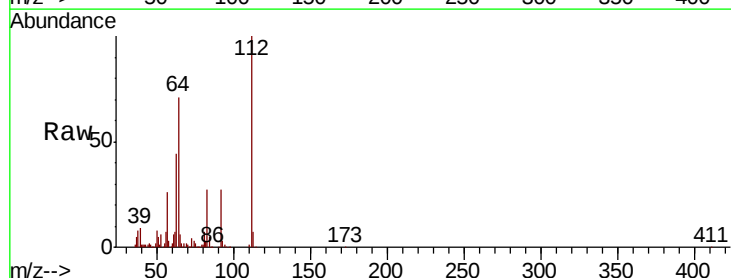
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 132.422 ng
 RT: 5.67 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	61.4	92.0
63	43.7	37.8	56.6

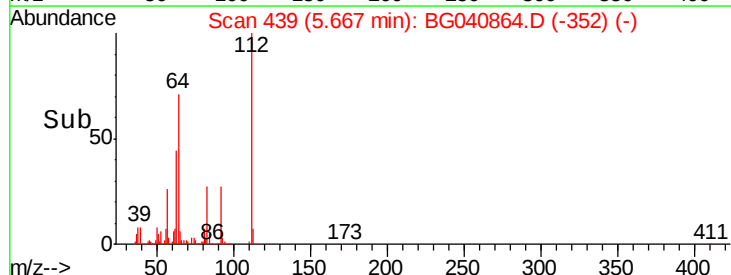
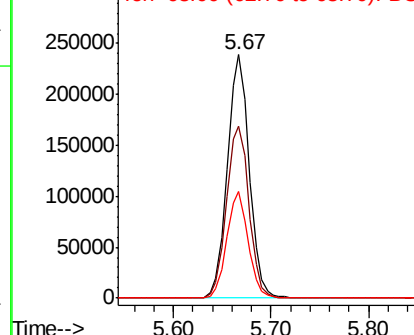


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 117.445 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

Instrument :

BNA_G

ClientSampleId :

72-11995

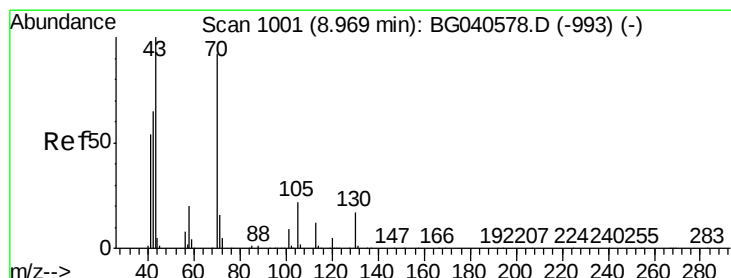
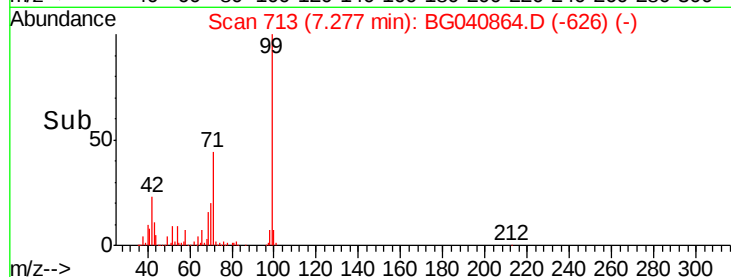
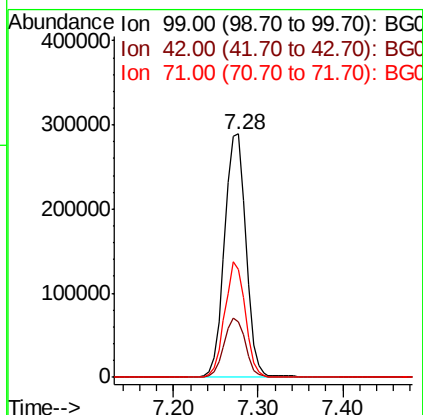
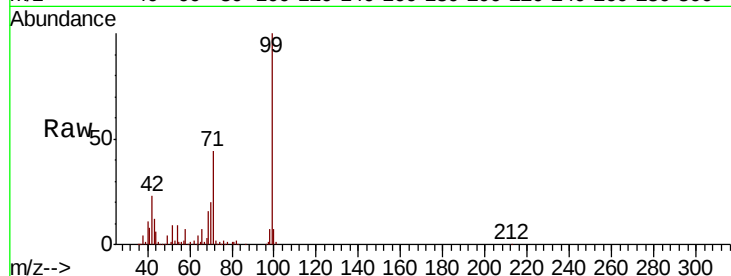
Tgt Ion: 99 Resp: 506714

Ion Ratio Lower Upper

99 100

42 22.9 21.8 32.8

71 44.3 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.152 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

Tgt Ion: 70 Resp: 58847

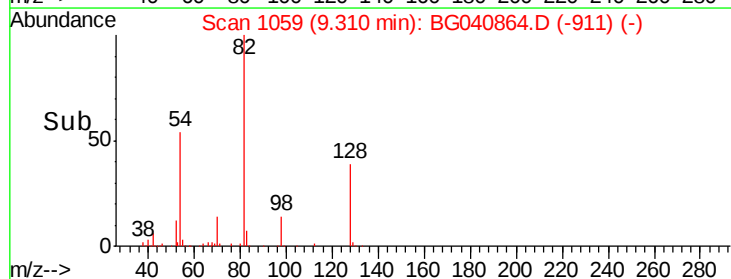
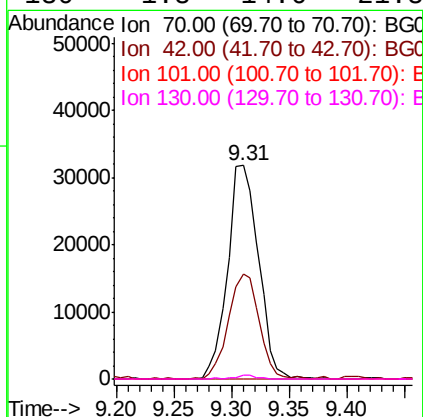
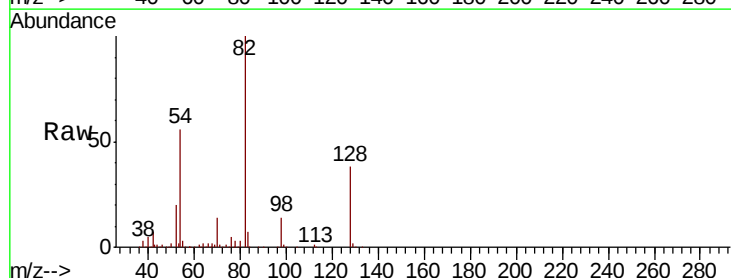
Ion Ratio Lower Upper

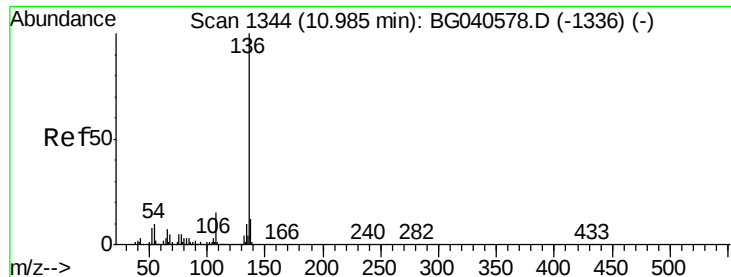
70 100

42 49.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

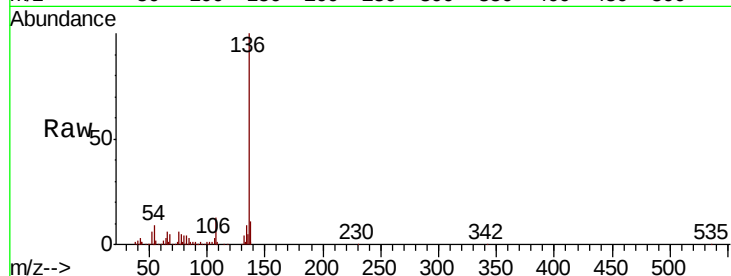




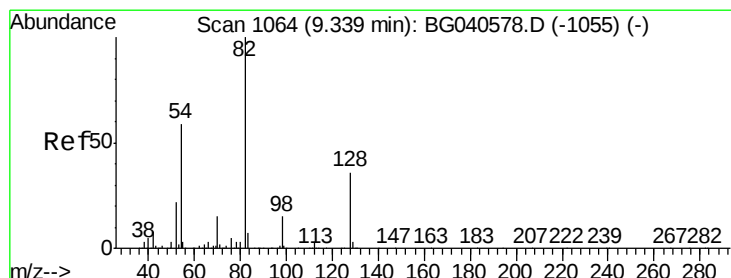
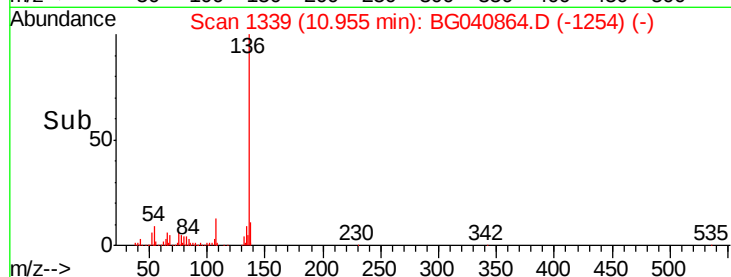
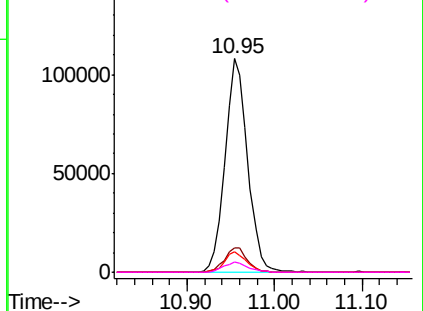
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040864.D
Acq: 11 May 2019 3:00

Instrument :
BNA_G
ClientSampleId :
72-11995

Tgt Ion:	136	Resp:	190908
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.7	14.5
54	9.3	8.6	12.8
68	4.9	4.8	7.2

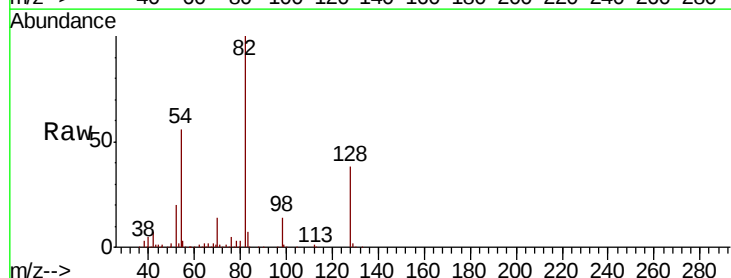


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

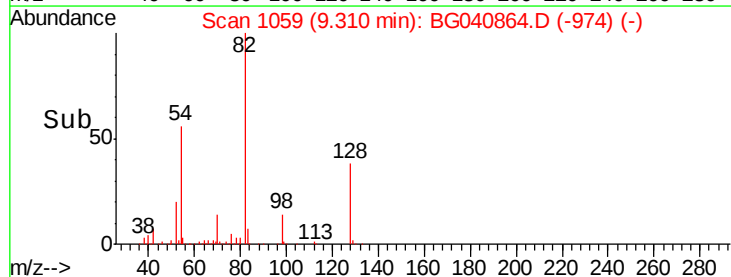
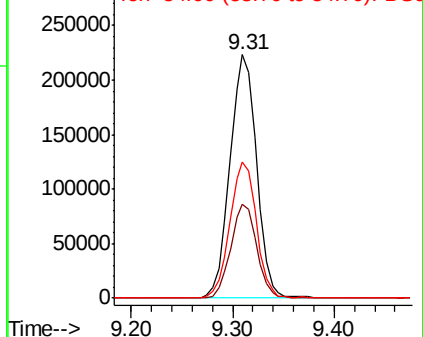


#23
Nitrobenzene-d5
Concen: 98.357 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040864.D
Acq: 11 May 2019 3:00

Tgt Ion:	82	Resp:	406377
Ion	Ratio	Lower	Upper
82	100		
128	38.5	28.9	43.3
54	56.2	47.2	70.8



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: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

Instrument :

BNA_G

ClientSampleId :

72-11995

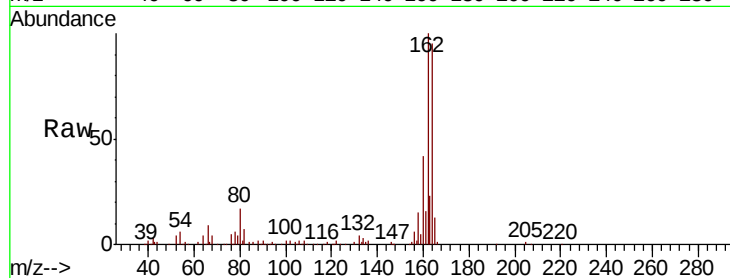
Tgt Ion:164 Resp: 144389

Ion Ratio Lower Upper

164 100

162 105.7 81.9 122.9

160 44.3 35.4 53.2

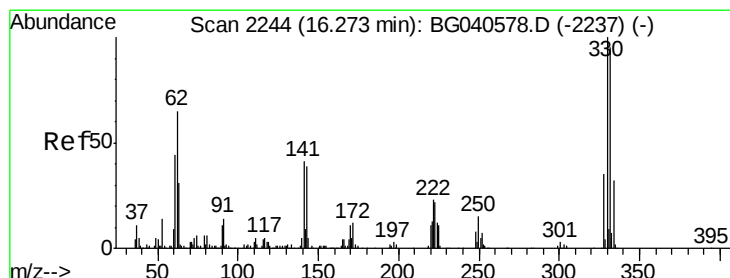
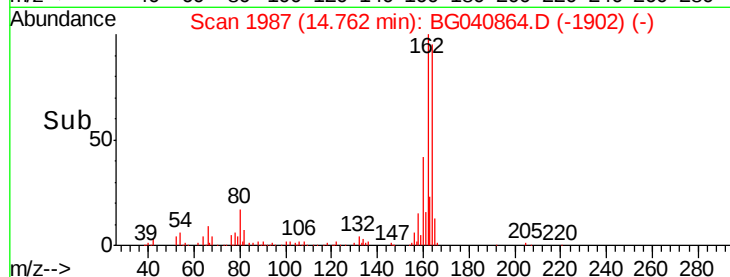
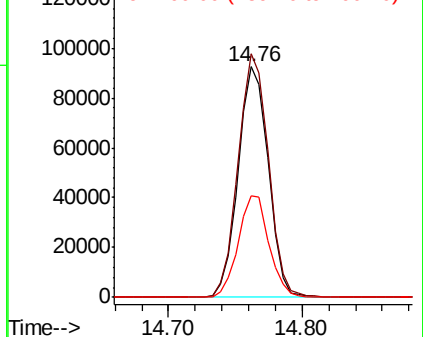


Abundance

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: 177.644 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

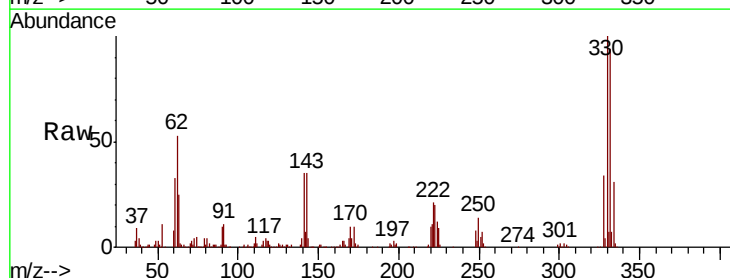
Tgt Ion:330 Resp: 352562

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

141 35.8 32.4 48.6

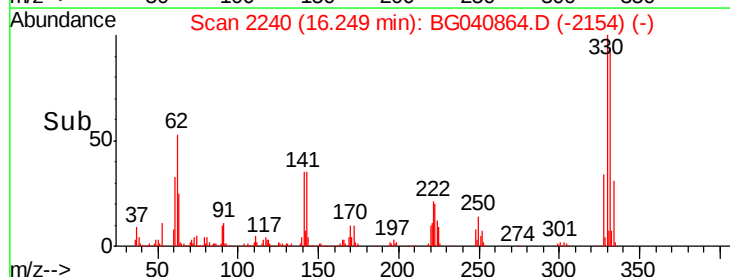
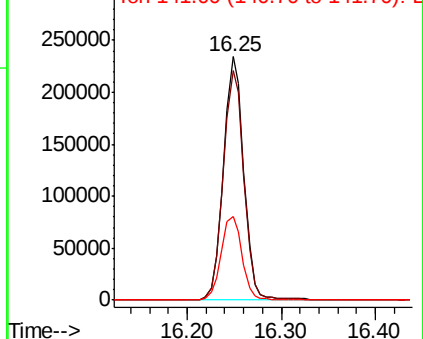


Abundance

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

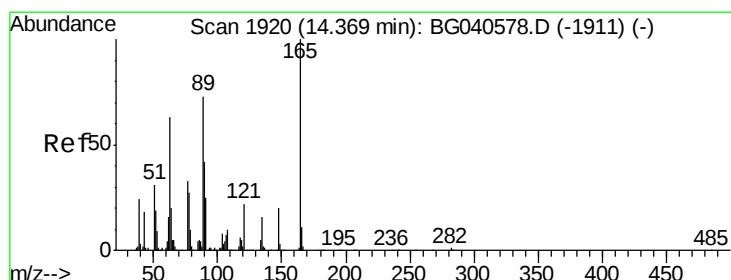
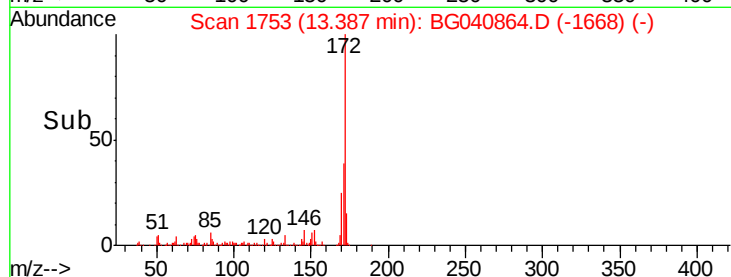
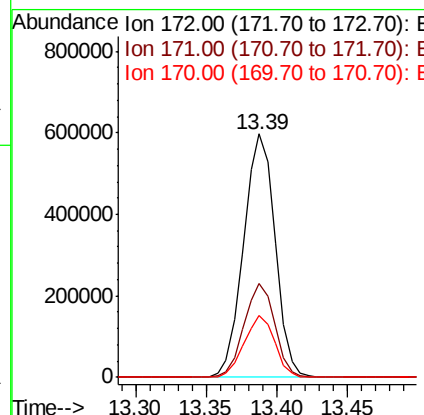
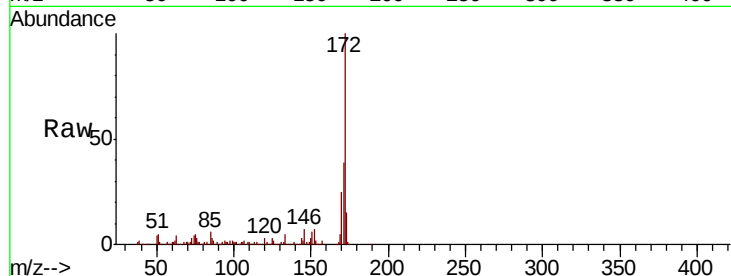




#45
 2-Fluorobiphenyl
 Concen: 93.325 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

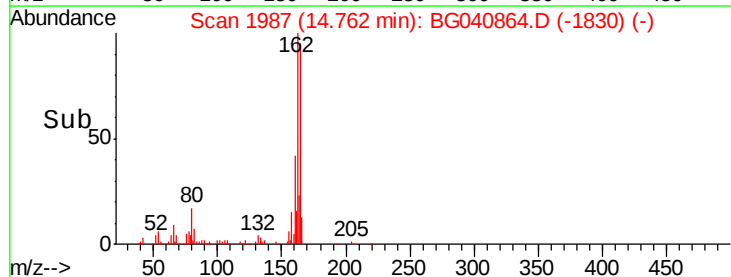
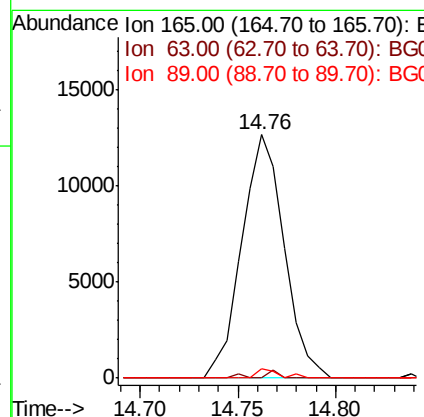
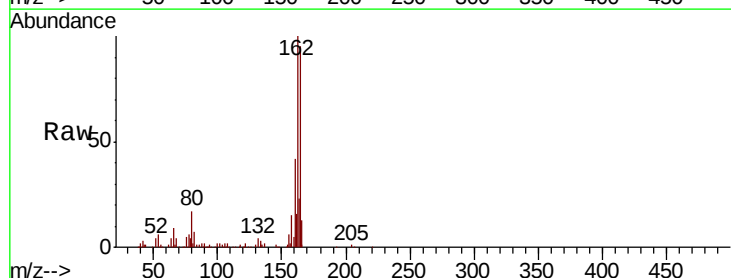
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 72-11995

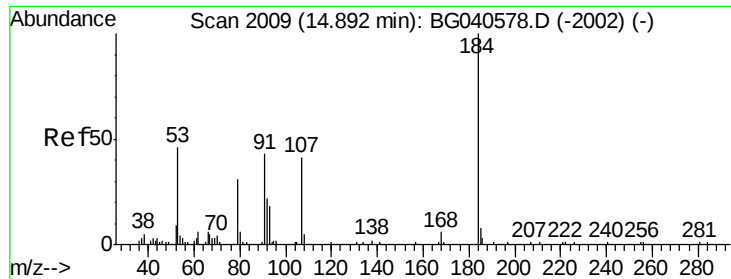
Tgt Ion:	172	Resp:	933051
Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.4	44.2
170	25.2	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.048 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.39 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Tgt Ion:	165	Resp:	18975
Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	3.8	58.6	87.8#

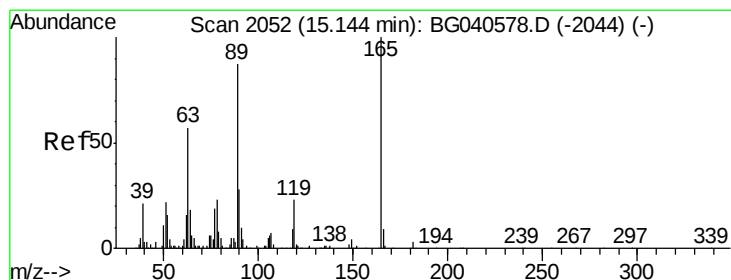
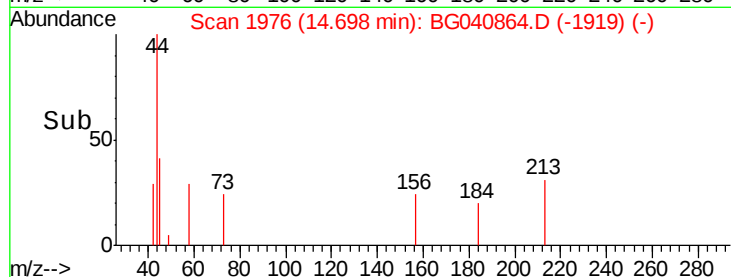
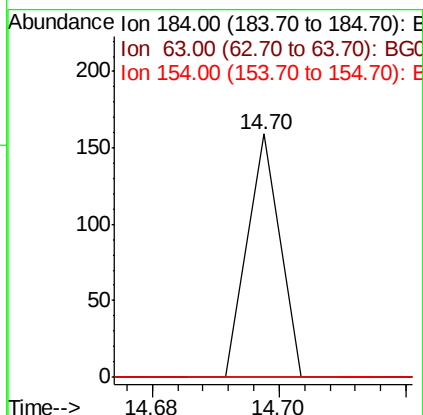
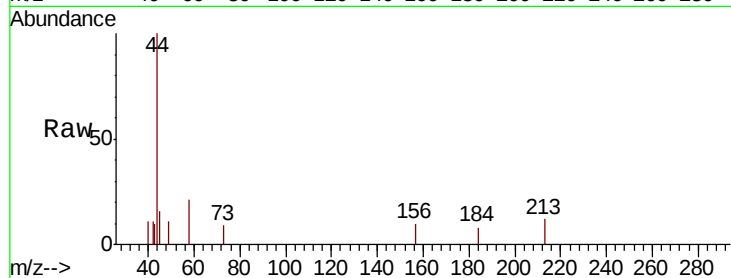




#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.19 min
Lab File: BG040864.D
Acq: 11 May 2019 3:00

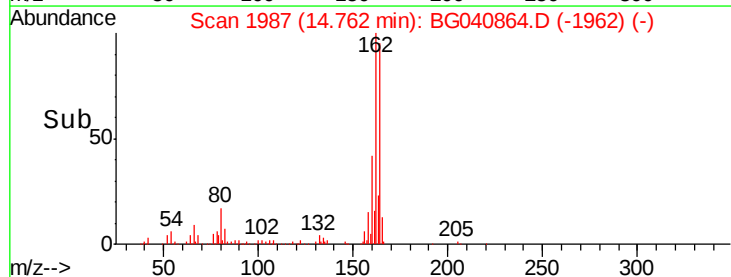
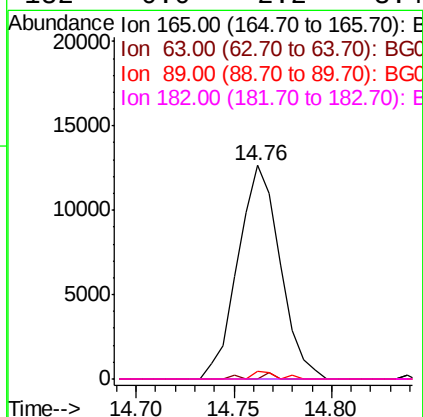
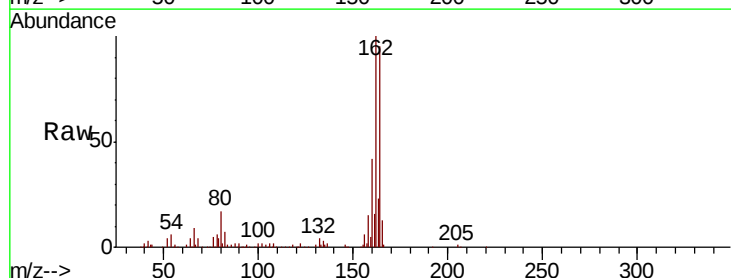
Instrument :
BNA_G
ClientSampleId :
72-11995

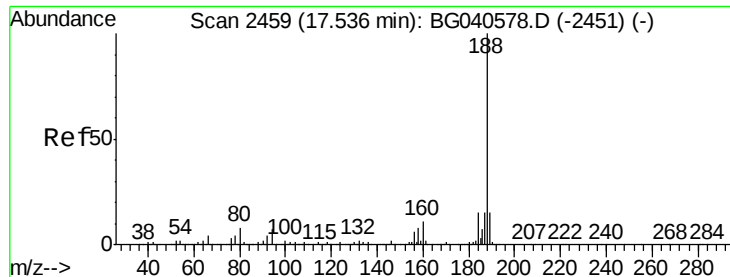
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.923 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040864.D
Acq: 11 May 2019 3:00

Tgt Ion:165 Resp: 18975
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 3.8 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

Instrument :

BNA_G

ClientSampleId :

72-11995

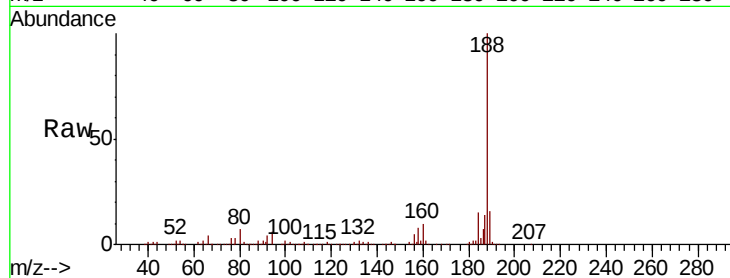
Tgt Ion:188 Resp: 410494

Ion Ratio Lower Upper

188 100

94 5.7 5.6 8.4

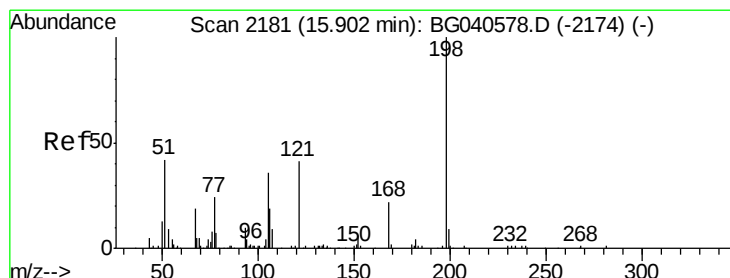
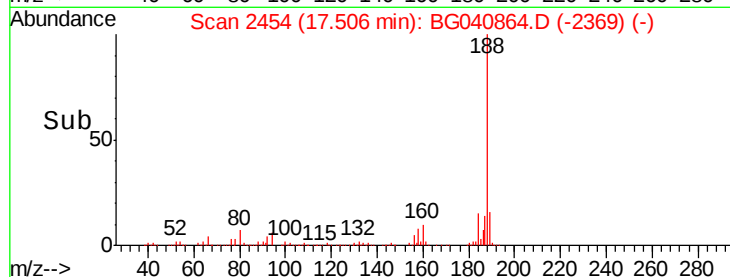
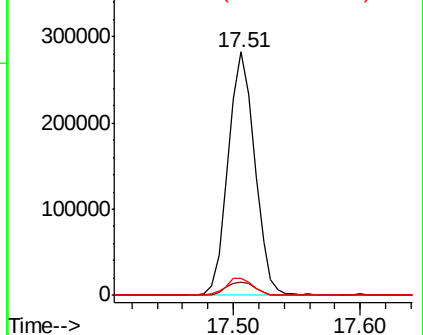
80 6.8 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.845 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

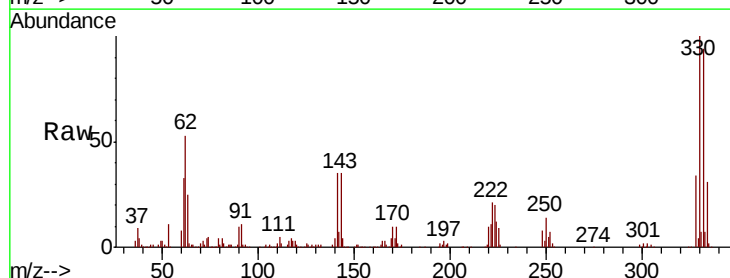
Tgt Ion:198 Resp: 1766

Ion Ratio Lower Upper

198 100

51 91.8 35.9 75.9#

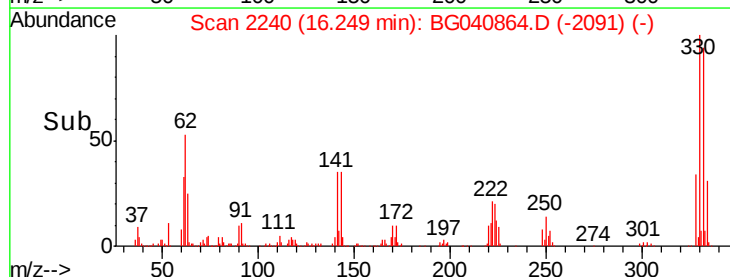
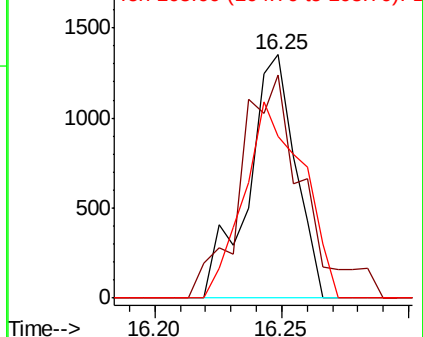
105 66.2 21.2 61.2#

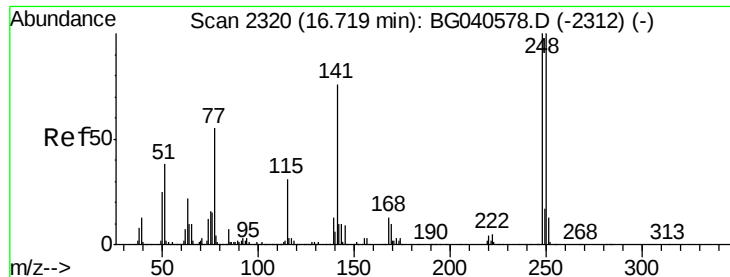


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

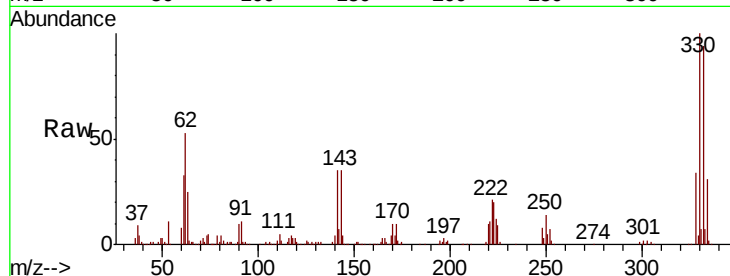




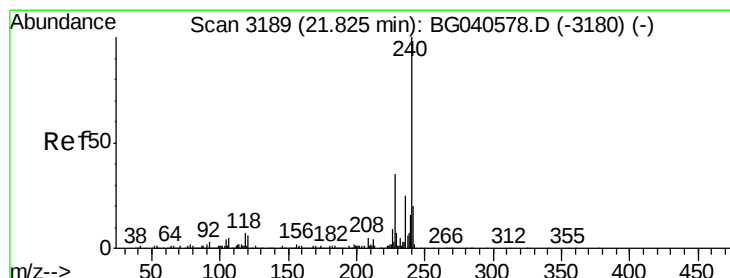
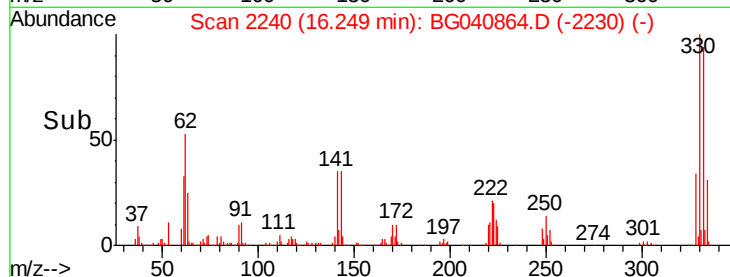
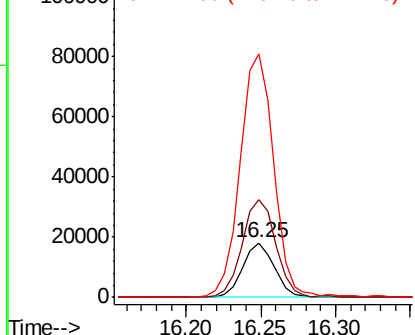
#67
 4-Bromophenyl-phenylether
 Concen: 5.117 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Instrument :
 BNA_G
 ClientSampleId :
 72-11995

Tgt Ion:248 Resp: 26170
 Ion Ratio Lower Upper
 248 100
 250 178.2 79.8 119.6#
 141 445.8 60.8 91.2#

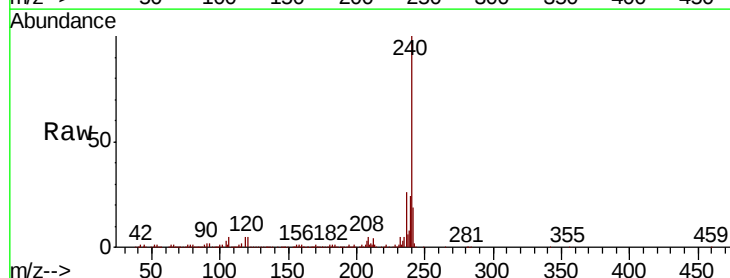


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

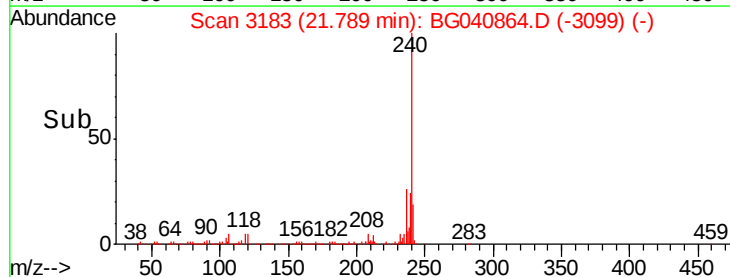
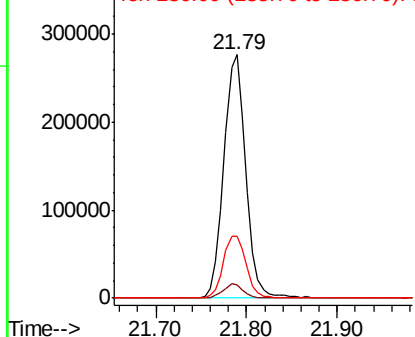


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3183
 Delta R.T. -0.04 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Tgt Ion:240 Resp: 464349
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.0 7.6
 236 25.5 20.3 30.5



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: 2.886 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

Instrument :

BNA_G

ClientSampleId :

72-11995

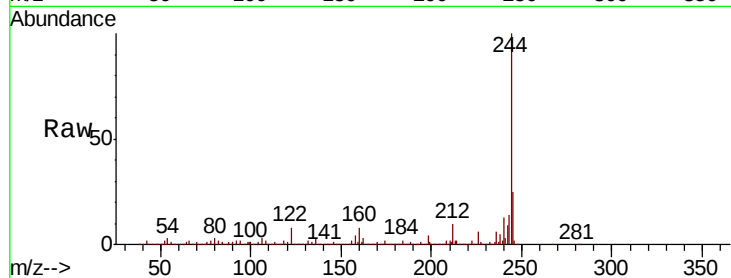
Tgt Ion:184 Resp: 36687

Ion Ratio Lower Upper

184 100

185 16.6 11.8 17.8

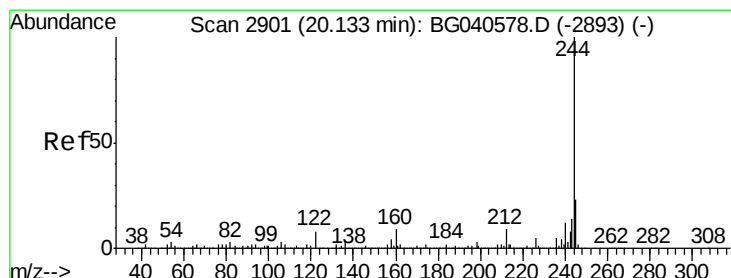
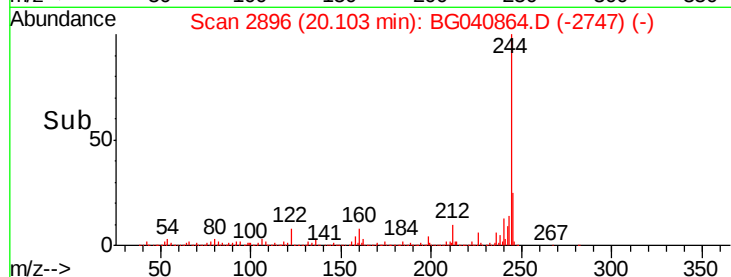
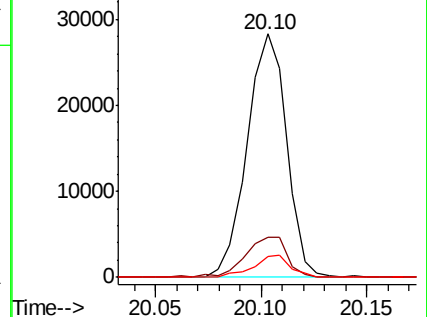
183 8.6 10.2 15.2#



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: 96.206 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040864.D

Acq: 11 May 2019 3:00

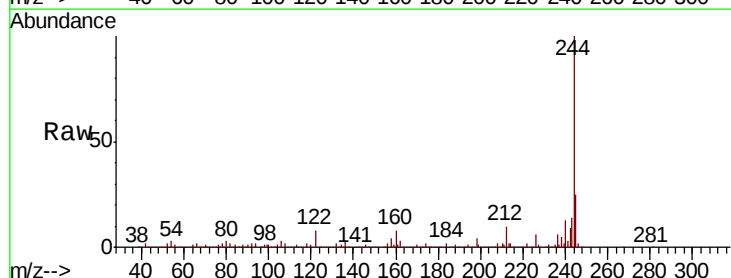
Tgt Ion:244 Resp: 2016470

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

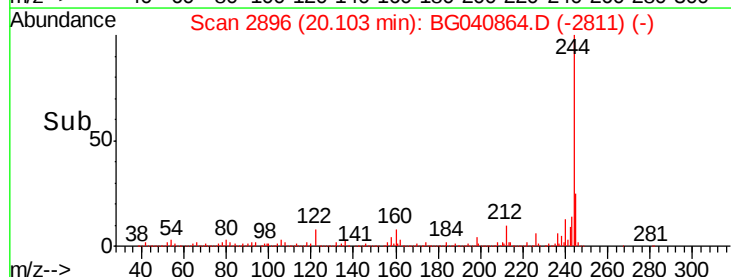
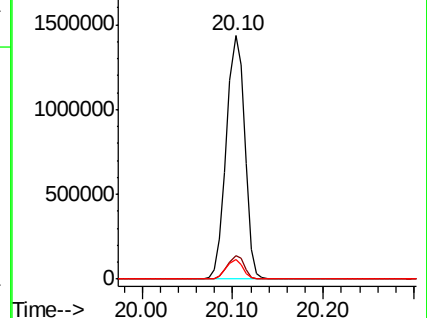
122 8.2 6.6 10.0

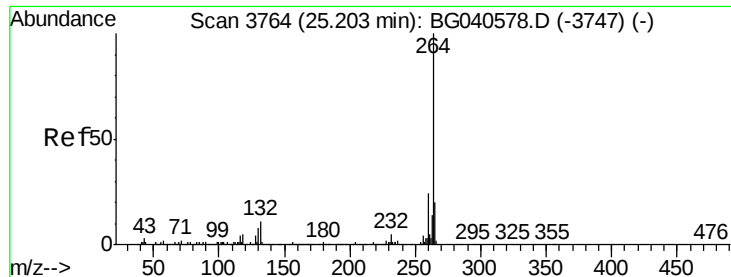


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3752
 Delta R.T. -0.07 min
 Lab File: BG040864.D
 Acq: 11 May 2019 3:00

Instrument :
 BNA_G
 ClientSampleId :
 72-11995

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	16.6	25.0

