

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040782.D
 Acq On : 8 May 2019 00:52
 Operator : HP/JU
 Sample : PB119477BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119477BL

Quant Time: May 08 03:56:55 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

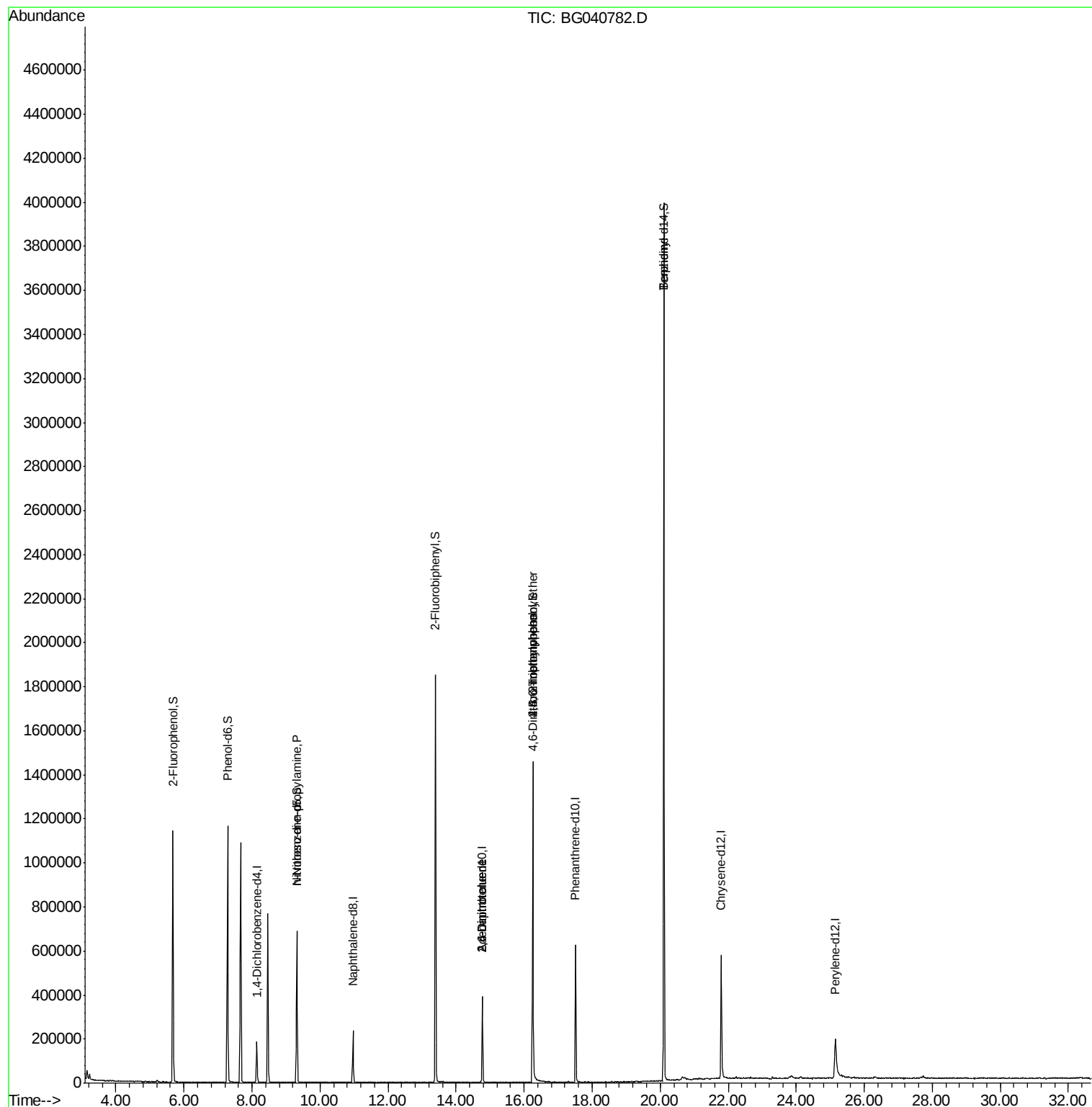
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44452	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	184193	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	136952	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	373933	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	375607	20.00	ng	-0.03
87) Perylene-d12	25.15	264	302803	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	413428	163.95	ng	-0.01
7) Phenol-d6	7.28	99	593924	152.97	ng	-0.01
23) Nitrobenzene-d5	9.32	82	420945	105.60	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	287221	152.58	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	946149	99.77	ng	-0.02
79) Terphenyl-d14	20.11	244	1843675	108.74	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	938	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	60168	17.215 ng	#	76
51) 2,6-Dinitrotoluene	14.77	165	17194	7.688 ng	#	15
57) 2,4-Dinitrotoluene	14.77	165	17194	5.658 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.24	198	343	7.260 ng	#	58
67) 4-Bromophenyl-phenylether	16.26	248	19634	4.215 ng	#	1
77) Benizidine	20.11	184	33544	3.262 ng	#	88

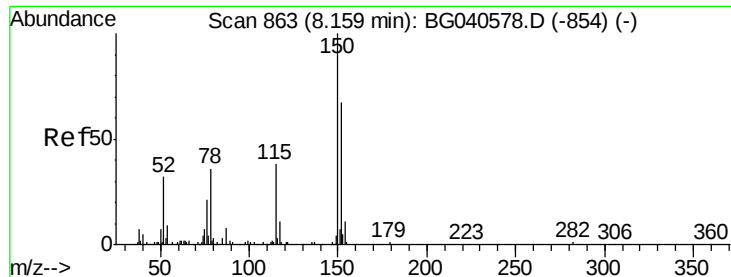
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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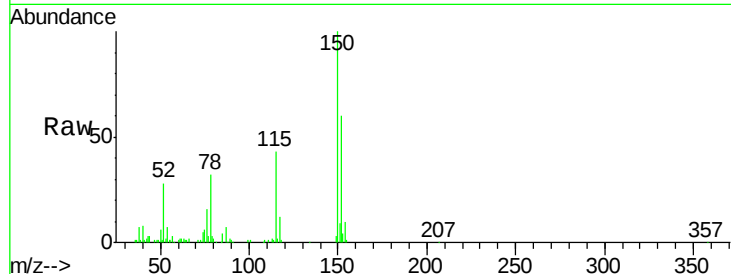


#1

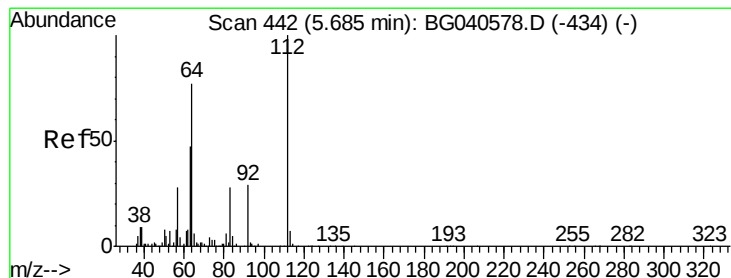
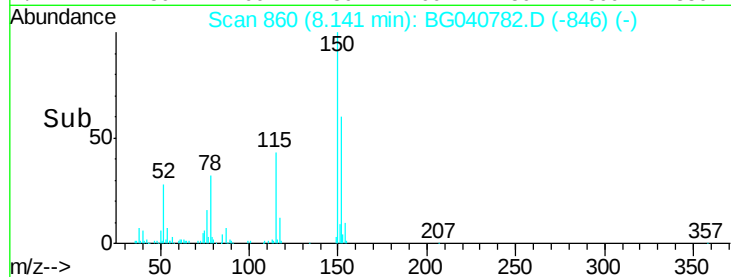
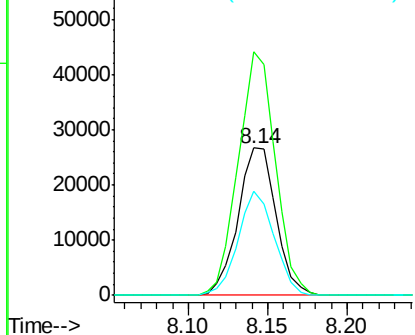
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040782.D
Acq: 8 May 2019 00:52

Instrument :
BNA_G
ClientSampleId :
PB119477BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.3	120.2	180.2
115	70.4	46.2	69.2



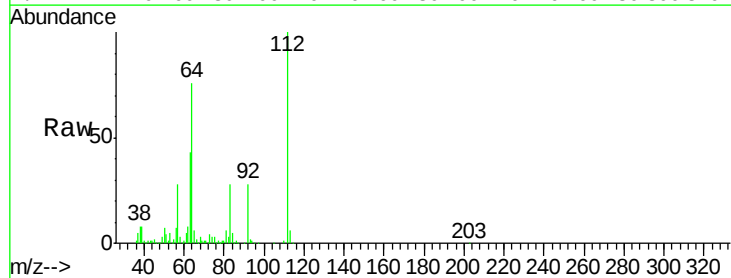
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



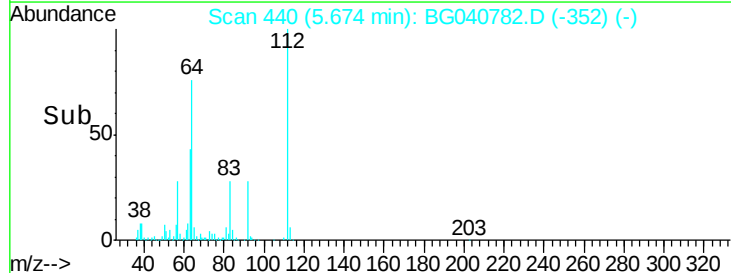
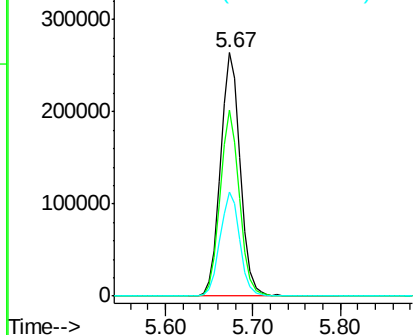
#5

2-Fluorophenol
Concen: 163.947 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040782.D
Acq: 8 May 2019 00:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.2	61.4	92.0
63	42.8	37.8	56.6



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: 152.965 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

Instrument :

BNA_G

ClientSampleId :

PB119477BL

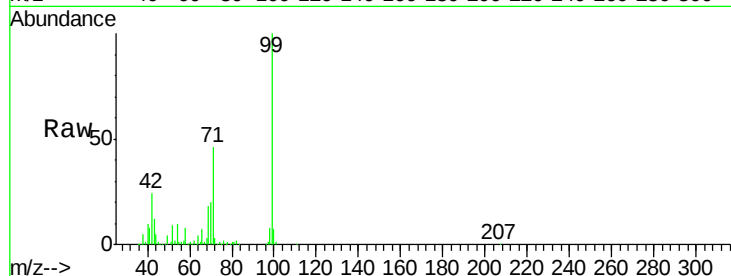
Tot Ion: 99 Resp: 593924

Ion Ratio Lower Upper

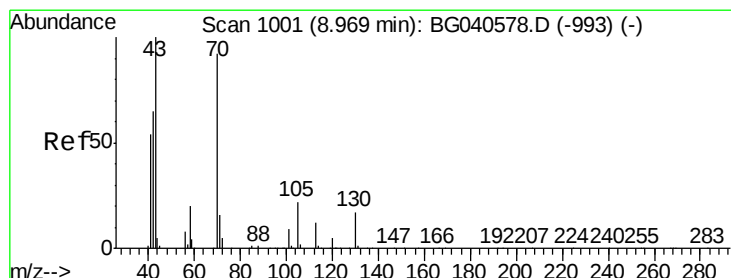
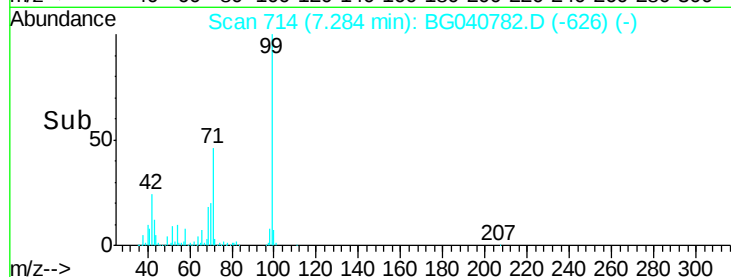
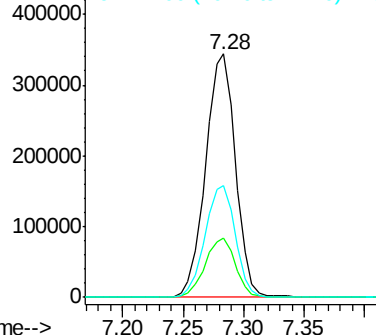
99 100

42 24.5 21.8 32.8

71 46.0 38.6 57.8



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: 17.215 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

Tgt Ion: 70 Resp: 60168

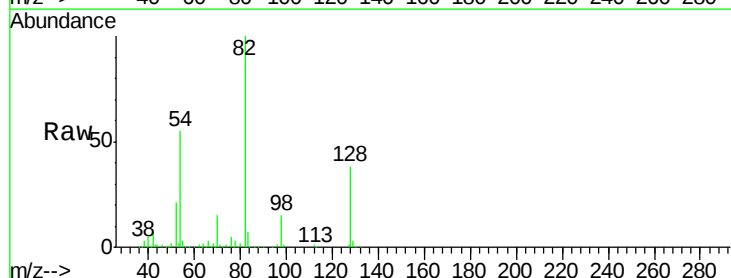
Ion Ratio Lower Upper

70 100

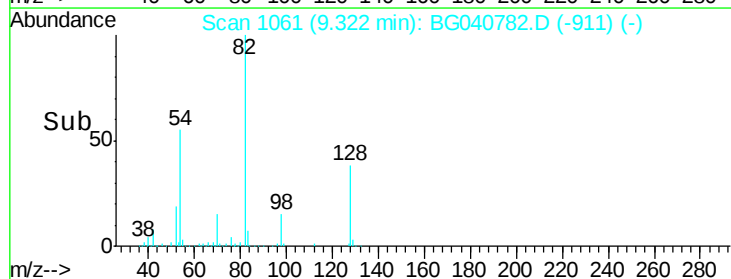
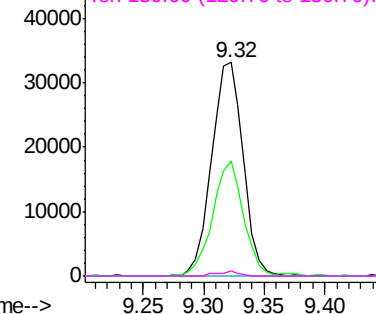
42 54.1 57.1 85.7#

101 0.0 7.8 11.8#

130 2.4 14.6 21.8#



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

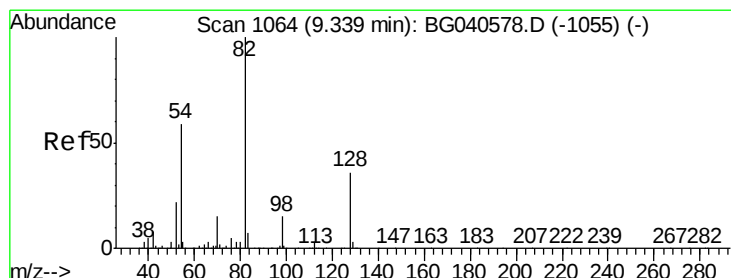
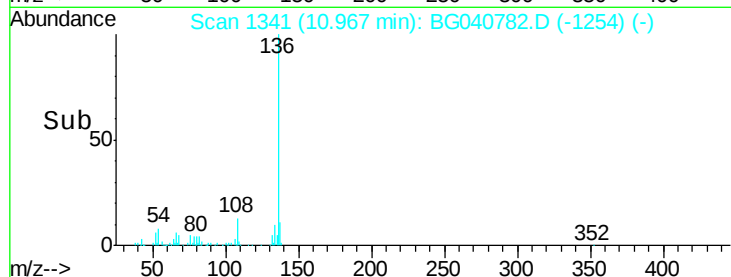
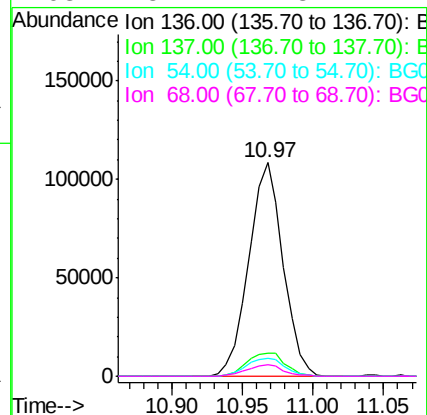
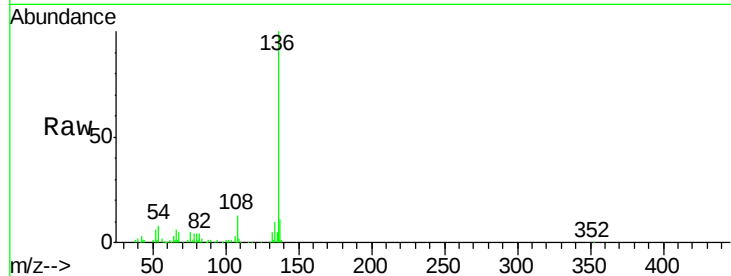




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040782.D
Acq: 8 May 2019 00:52

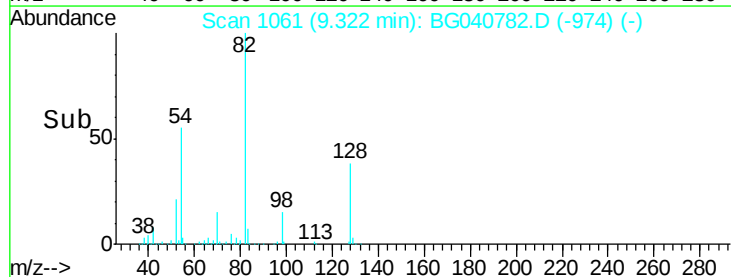
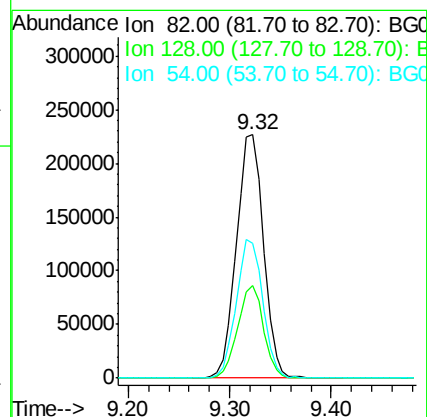
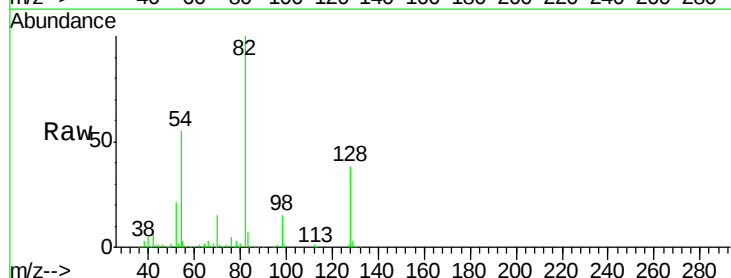
Instrument :
BNA_G
ClientSampleId :
PB119477BL

Tot Ion:136	Resp:	184193
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.7 14.5
54	8.4	8.6 12.8#
68	5.2	4.8 7.2



#23
Nitrobenzene-d5
Concen: 105.597 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040782.D
Acq: 8 May 2019 00:52

Tgt Ion: 82	Resp:	420945
Ion	Ratio	Lower Upper
82	100	
128	37.9	28.9 43.3
54	55.4	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

Instrument :

BNA_G

ClientSampleId :

PB119477BL

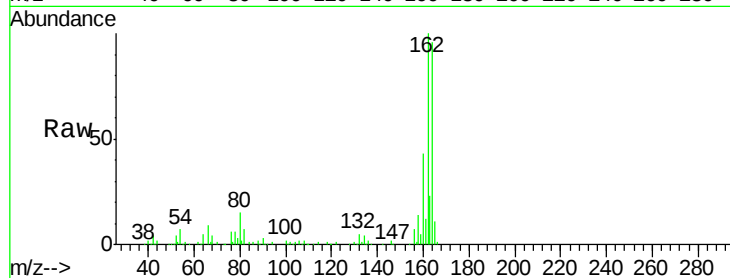
Tot Ion:164 Resp: 136952

Ion Ratio Lower Upper

164 100

162 104.0 81.9 122.9

160 44.5 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

120000

100000

80000

60000

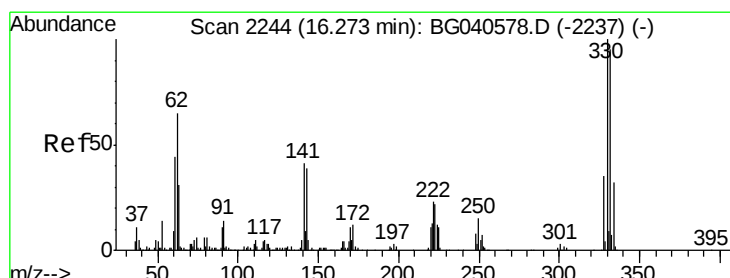
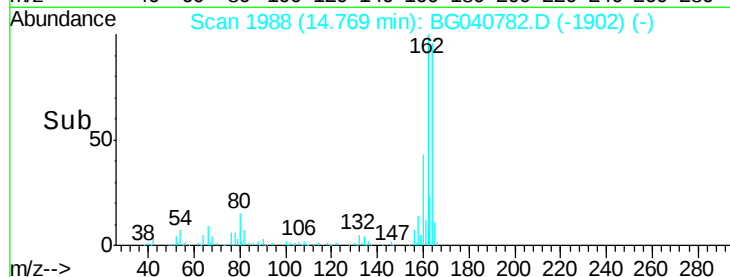
40000

20000

0

14.70 14.75 14.80 14.85

Time-->



#42

2,4,6-Tribromophenol

Concen: 152.579 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

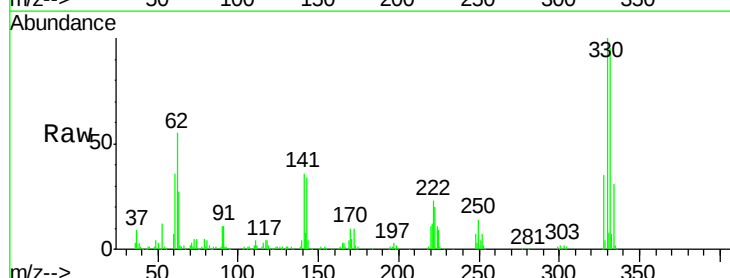
Tgt Ion:330 Resp: 287221

Ion Ratio Lower Upper

330 100

332 95.7 75.9 113.9

141 36.4 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

200000

150000

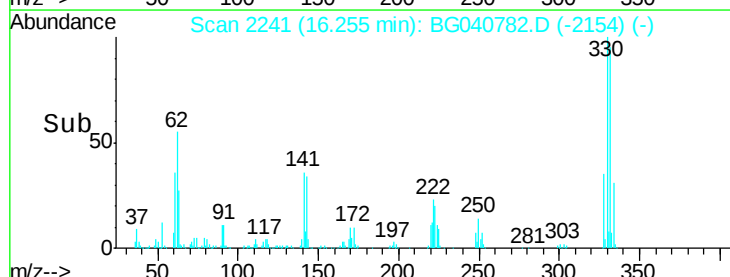
100000

50000

0

16.20 16.30 16.40

Time-->

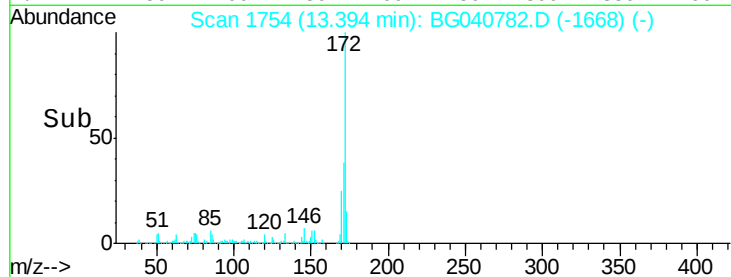
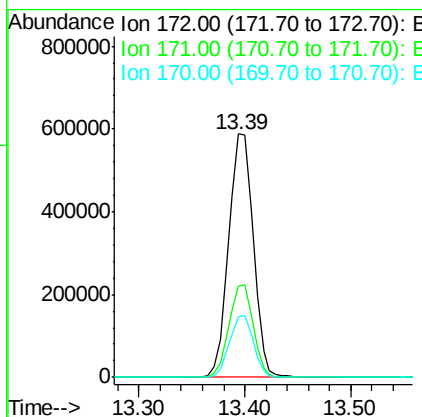
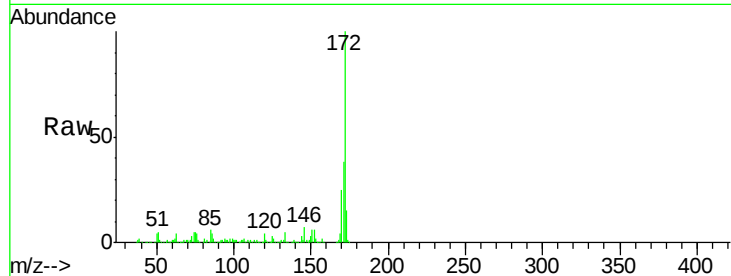




#45
 2-Fluorobiphenyl
 Concen: 99.774 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

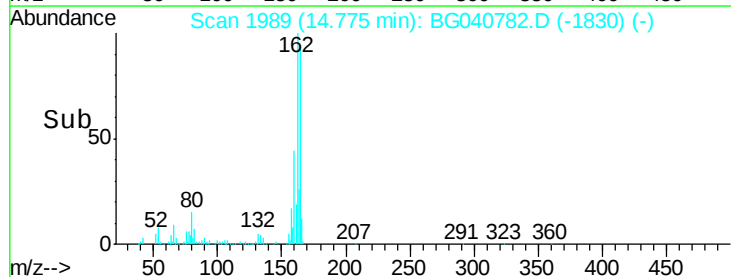
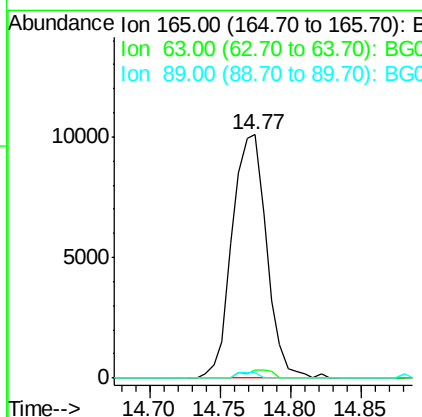
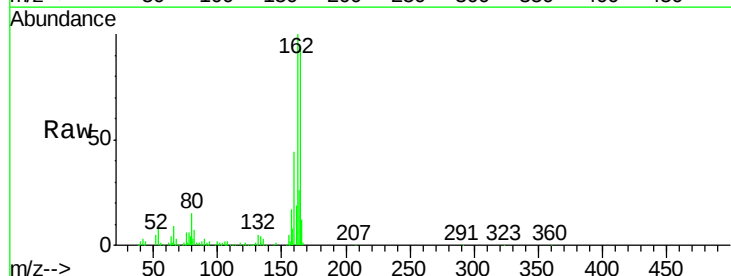
Instrument :
 BNA_G
 ClientSampleId :
 PB119477BL

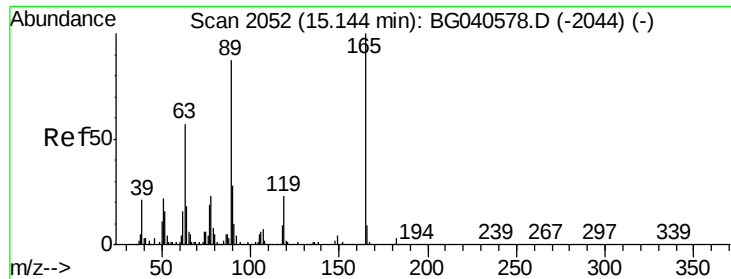
Tot Ion:172	Resp:	946149
Ion	Ratio	Lower Upper
172	100	
171	37.6	29.4 44.2
170	24.9	19.9 29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.688 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

Tgt Ion:165	Resp:	17194
Ion	Ratio	Lower Upper
165	100	
63	3.1	61.0 91.4#
89	2.0	58.6 87.8#





#57

2,4-Dinitrotoluene

Concen: 5.658 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

Instrument :

BNA_G

ClientSampleId :

PB119477BL

Tot Ion:165 Resp: 17194

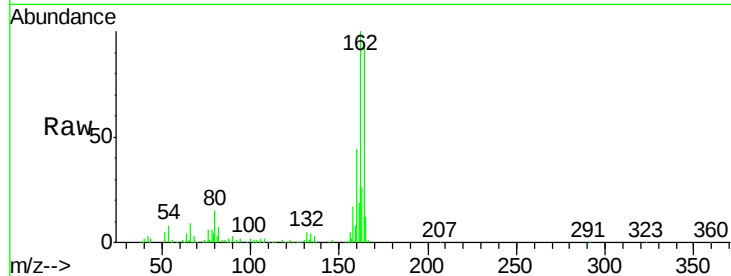
Ion Ratio Lower Upper

165 100

63 3.1 45.8 68.8#

89 2.0 69.4 104.2#

182 0.0 2.2 3.4#

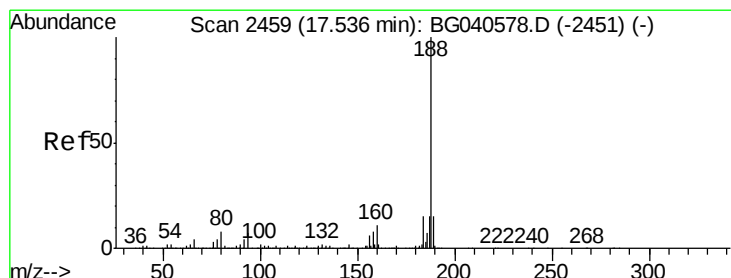
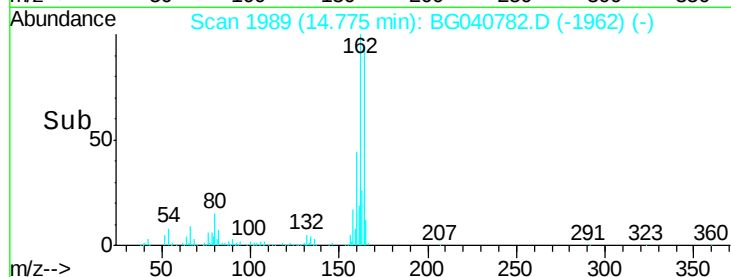
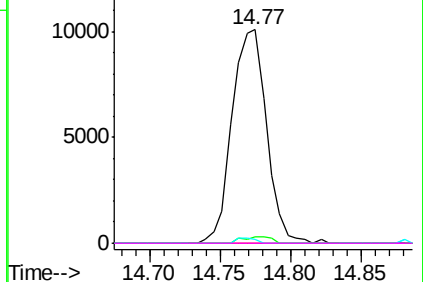


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

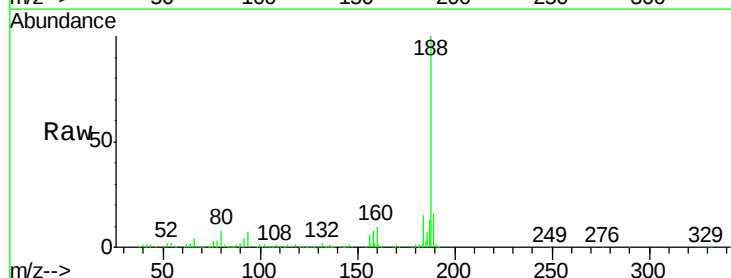
Tgt Ion:188 Resp: 373933

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

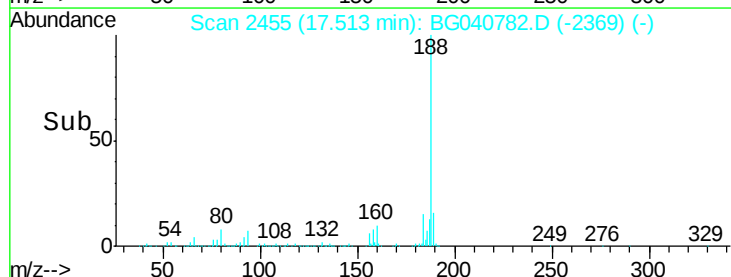
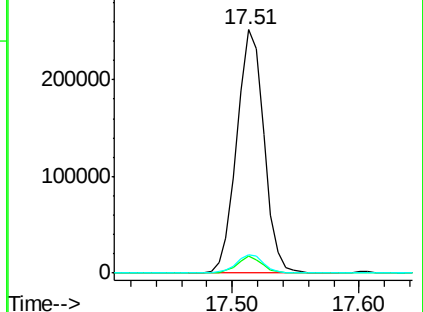
80 7.7 6.4 9.6

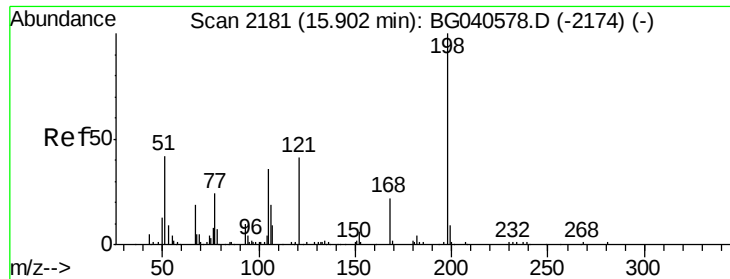


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

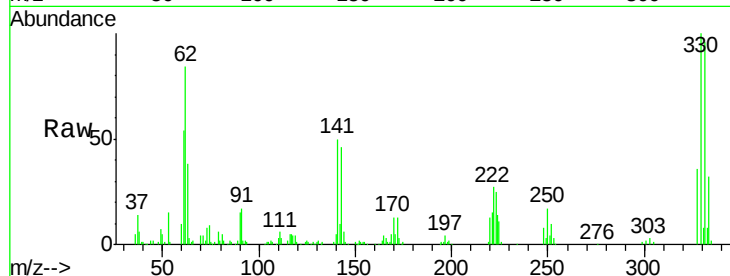




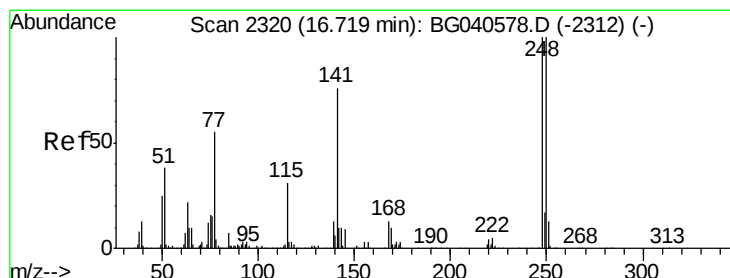
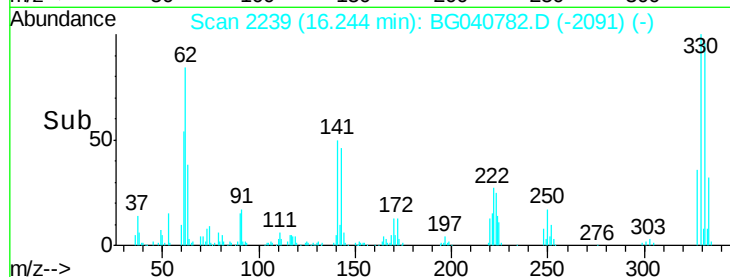
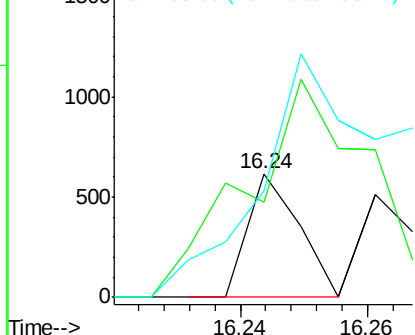
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.260 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. 0.34 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

Instrument :
 BNA_G
 ClientSampleId :
 PB119477BL

Tot Ion:198 Resp: 343
 Ion Ratio Lower Upper
 198 100
 51 19.5 35.9 75.9#
 105 21.8 21.2 61.2

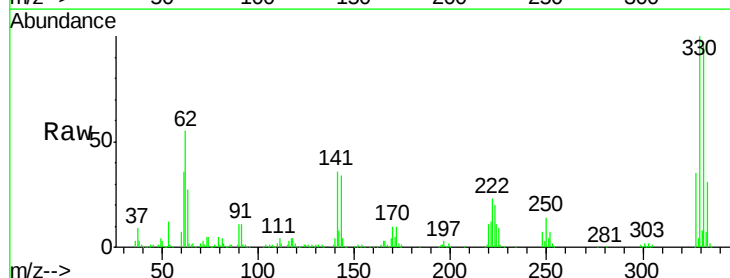


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

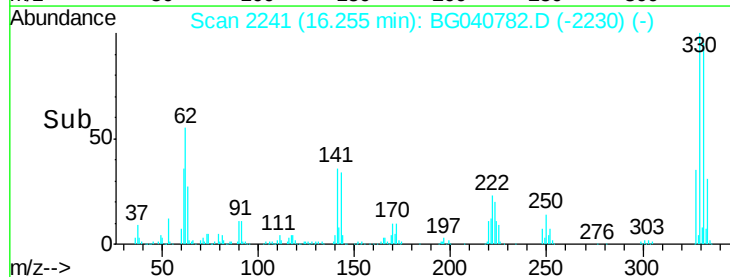
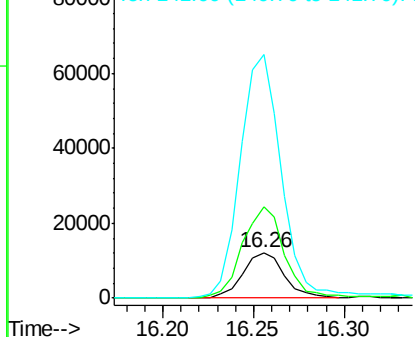


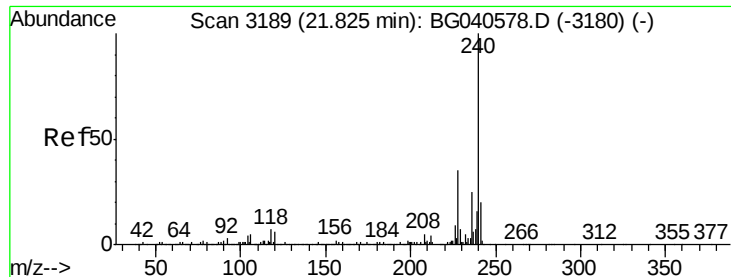
#67
 4-Bromophenyl-phenylether
 Concen: 4.215 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

Tgt Ion:248 Resp: 19634
 Ion Ratio Lower Upper
 248 100
 250 202.0 79.8 119.6#
 141 537.6 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

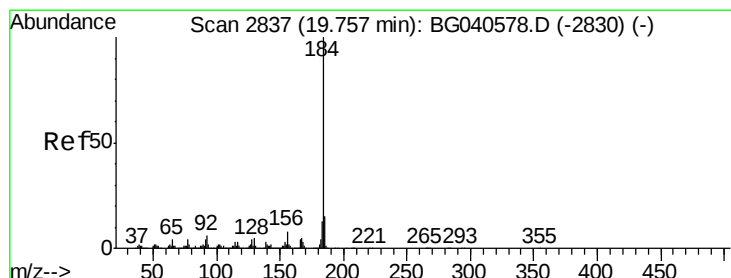
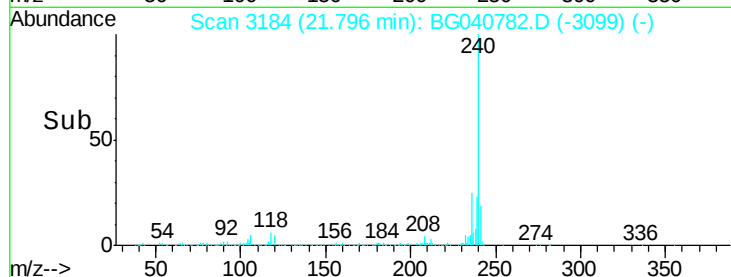
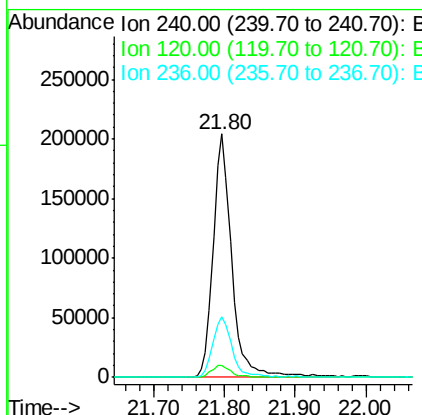
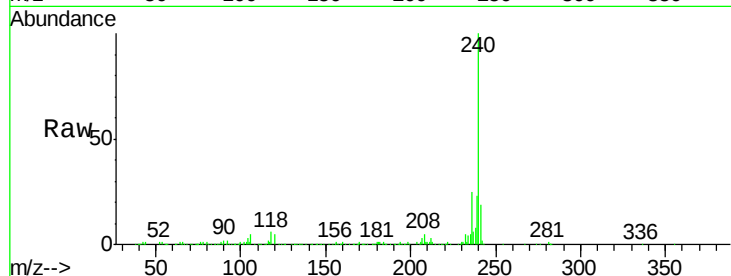




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

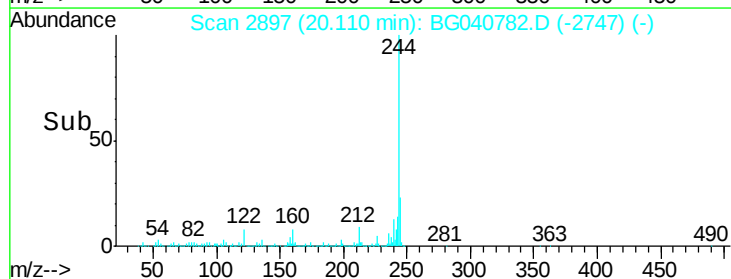
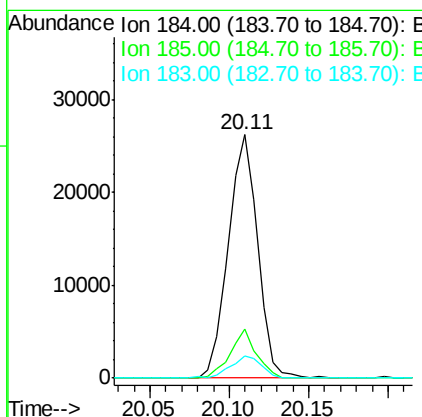
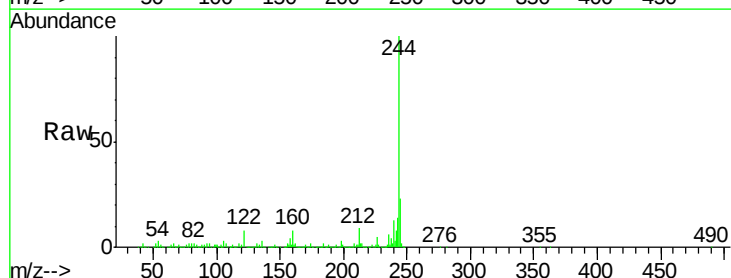
Instrument :
 BNA_G
 ClientSampleId :
 PB119477BL

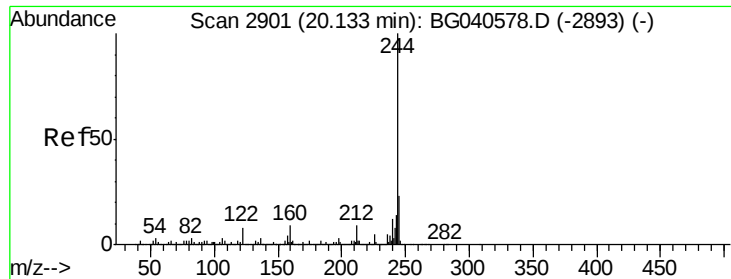
Tot Ion:240 Resp: 375607
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.0 7.6#
 236 25.1 20.3 30.5



#77
 Benzidine
 Concen: 3.262 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. 0.35 min
 Lab File: BG040782.D
 Acq: 8 May 2019 00:52

Tgt Ion:184 Resp: 33544
 Ion Ratio Lower Upper
 184 100
 185 20.2 11.8 17.8#
 183 8.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 108.744 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

Instrument :

BNA_G

ClientSampleId :

PB119477BL

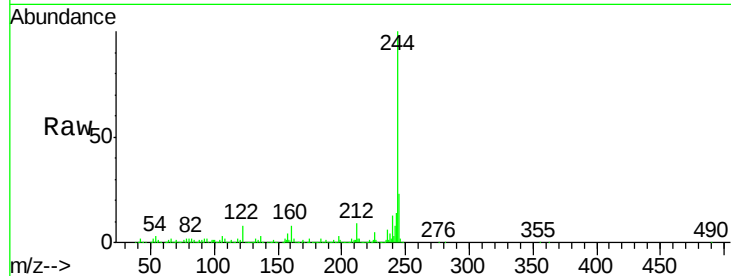
Tot Ion:244 Resp: 1843675

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

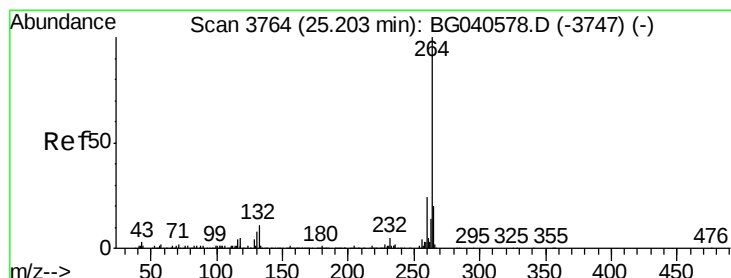
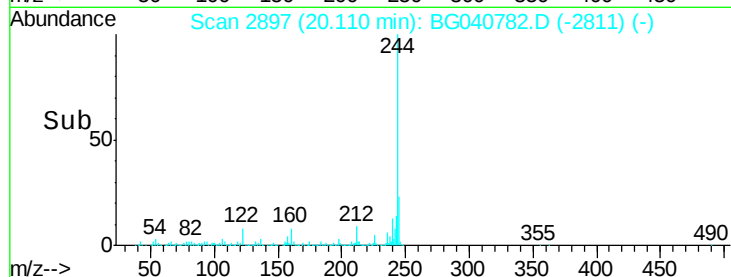
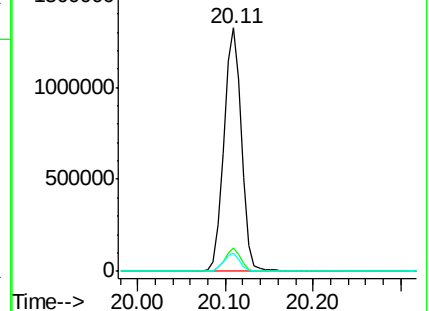
122 7.6 6.6 10.0



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040782.D

Acq: 8 May 2019 00:52

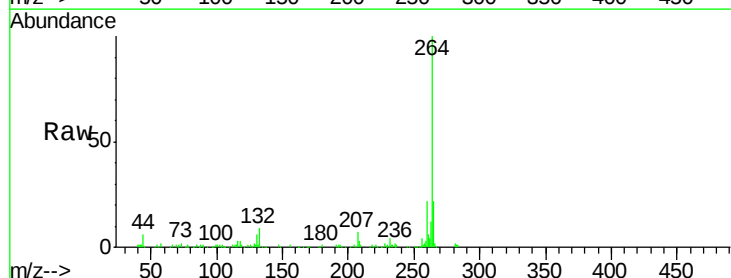
Tgt Ion:264 Resp: 302803

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 21.8 16.6 25.0



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

