

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040886.D
 Acq On : 11 May 2019 23:01
 Operator : HP/JU
 Sample : K2769-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-190507

Quant Time: May 12 05:01:30 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

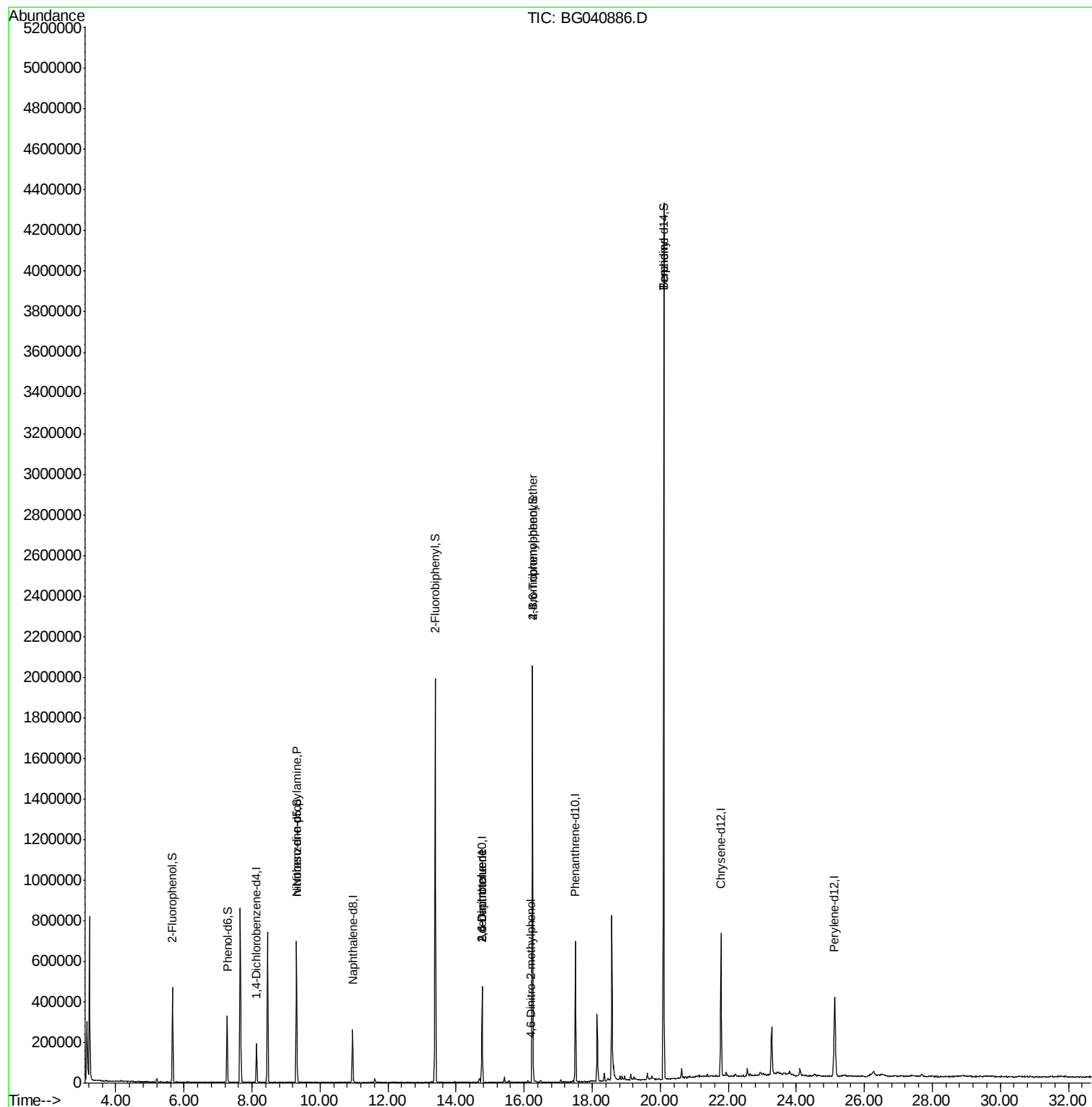
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	51606	20.00	ng	-0.02
21) Naphthalene-d8	10.95	136	204158	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	155540	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	431017	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	443234	20.00	ng	-0.04
87) Perylene-d12	25.13	264	471512	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	182803	62.44	ng	-0.02
7) Phenol-d6	7.27	99	171856	38.13	ng	-0.02
23) Nitrobenzene-d5	9.31	82	413662	93.62	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	369643	172.90	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	995479	92.43	ng	-0.03
79) Terphenyl-d14	20.10	244	1937016	96.82	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.28	77	270	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	59060	14.555 ng	#	72
51) 2,6-Dinitrotoluene	14.76	165	20242	7.970 ng	#	15
57) 2,4-Dinitrotoluene	14.76	165	20242	5.865 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.19	198	71	7.130 ng	#	29
67) 4-Bromophenyl-phenylether	16.25	248	27137	5.054 ng	#	1
77) Benzydine	20.10	184	34724	2.861 ng	#	94

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

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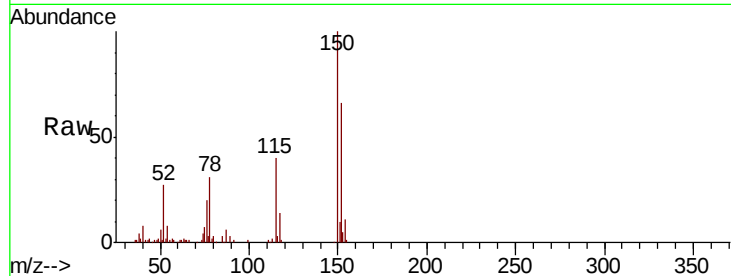


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

Instrument :
BNA_G
ClientSampleId :
RB-190507

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.8	120.2	180.2
115	59.9	46.2	69.2

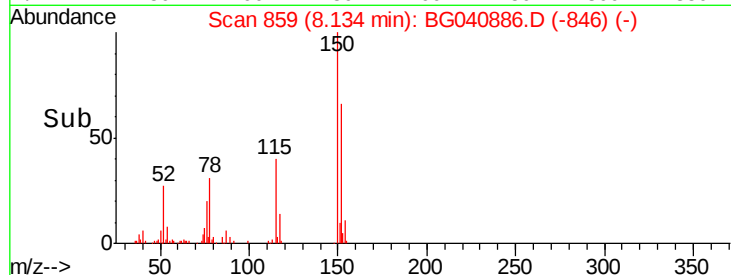
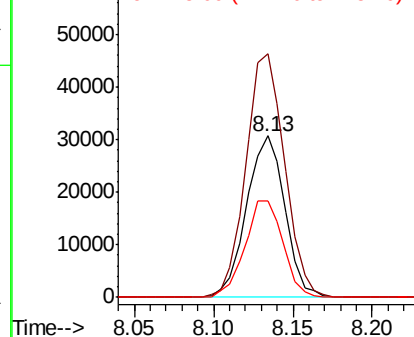


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

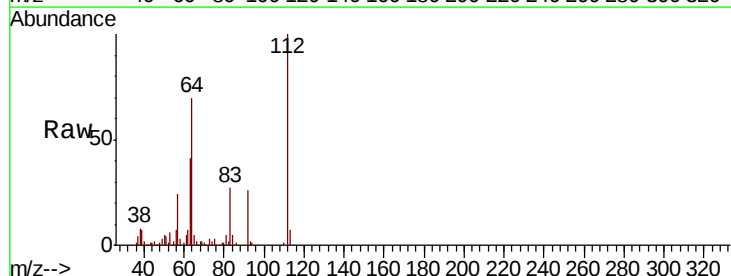
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.442 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	61.4	92.0
63	40.7	37.8	56.6

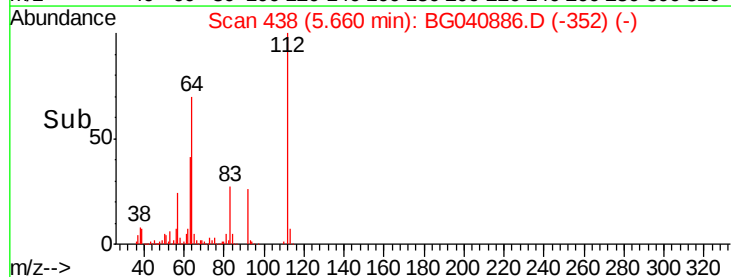
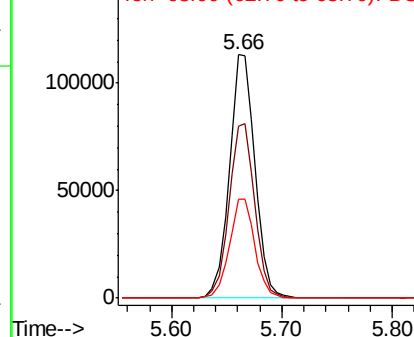


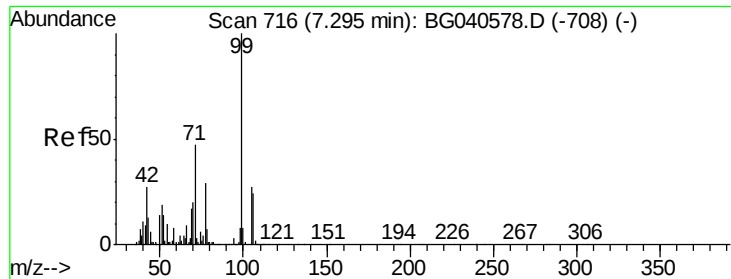
Abundance

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: 38.126 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Instrument :

BNA_G

ClientSampleId :

RB-190507

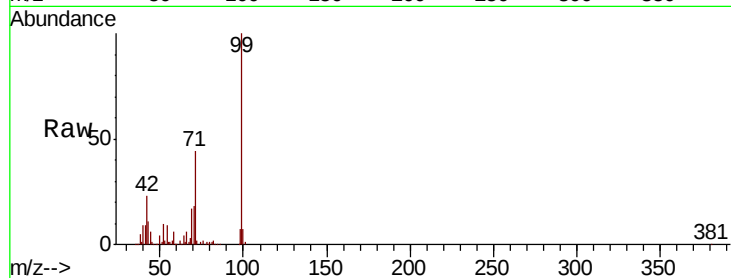
Tgt Ion: 99 Resp: 171856

Ion Ratio Lower Upper

99 100

42 22.8 21.8 32.8

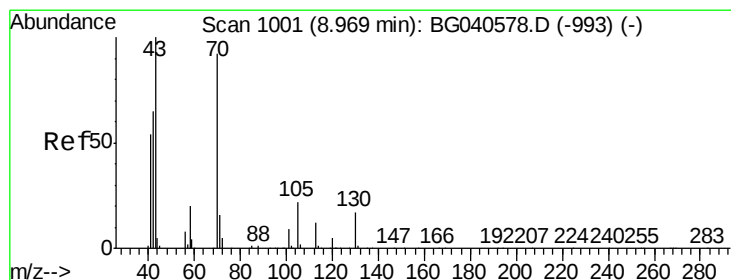
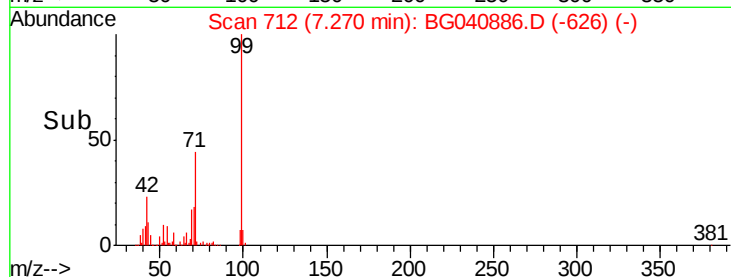
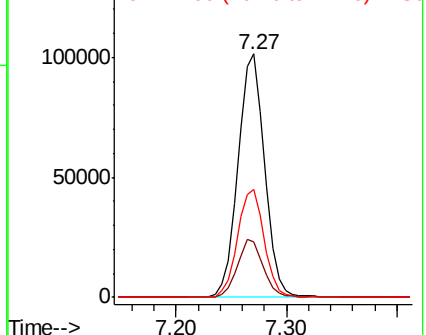
71 44.2 38.6 57.8



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: 14.555 ng

RT: 9.31 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Tgt Ion: 70 Resp: 59060

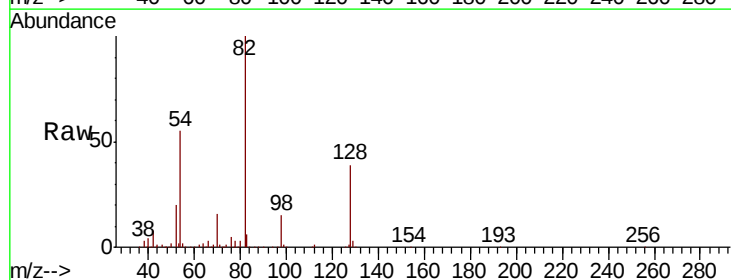
Ion Ratio Lower Upper

70 100

42 49.5 57.1 85.7#

101 0.0 7.8 11.8#

130 2.5 14.6 21.8#

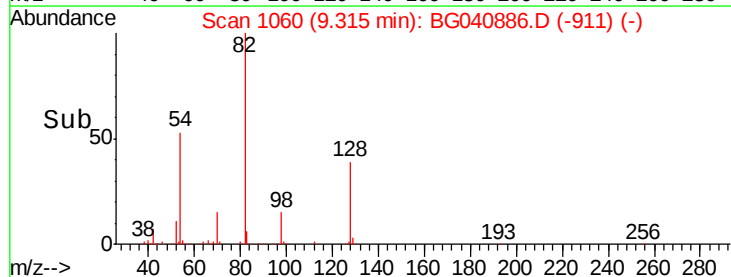
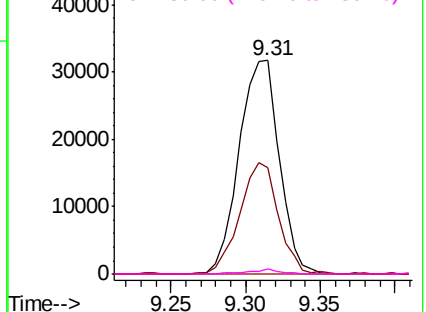


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

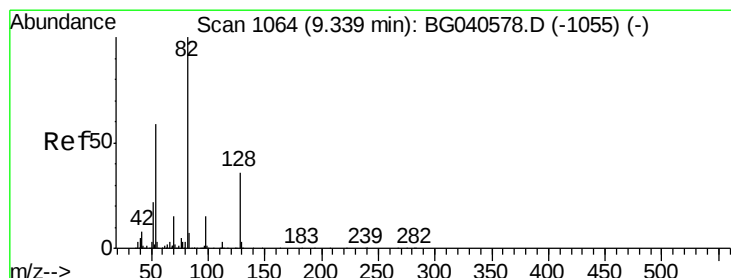
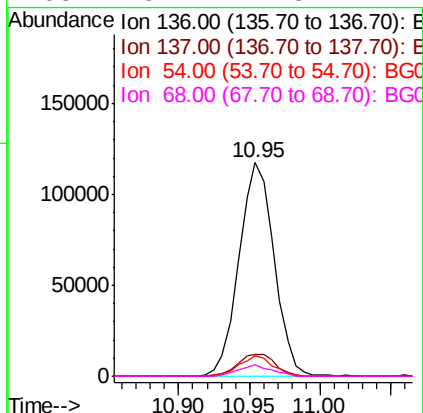
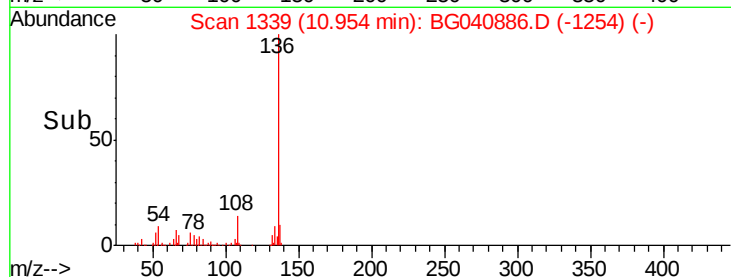
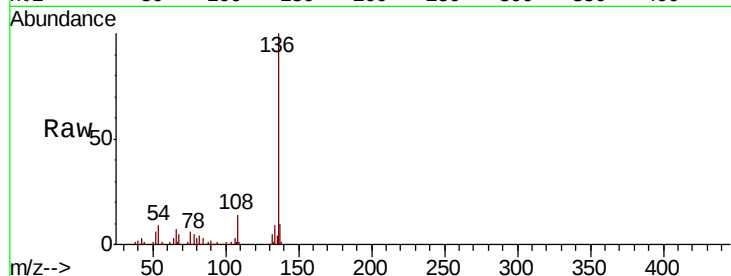




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

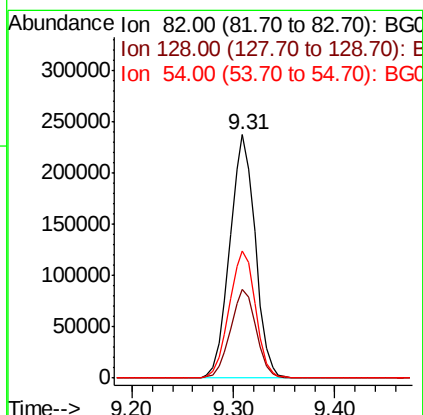
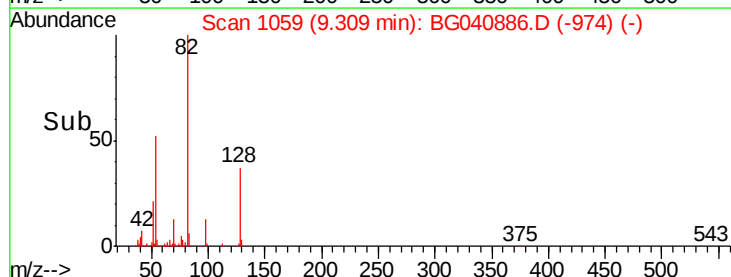
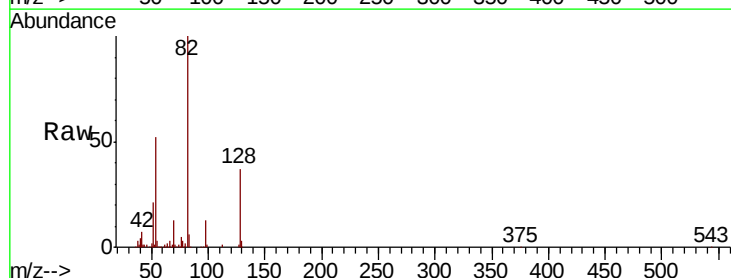
Instrument :
BNA_G
ClientSampleId :
RB-190507

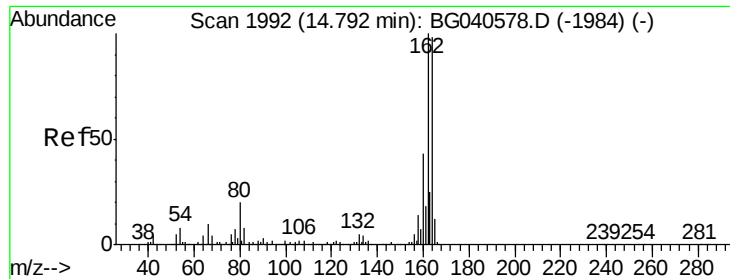
Tgt Ion:	136	Resp:	204158
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.7	14.5
54	9.4	8.6	12.8
68	5.2	4.8	7.2



#23
Nitrobenzene-d5
Concen: 93.622 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

Tgt Ion:	82	Resp:	413662
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	52.1	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Instrument :

BNA_G

ClientSampleId :

RB-190507

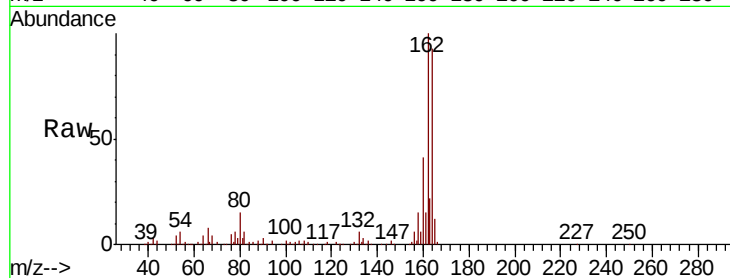
Tgt Ion:164 Resp: 155540

Ion Ratio Lower Upper

164 100

162 108.0 81.9 122.9

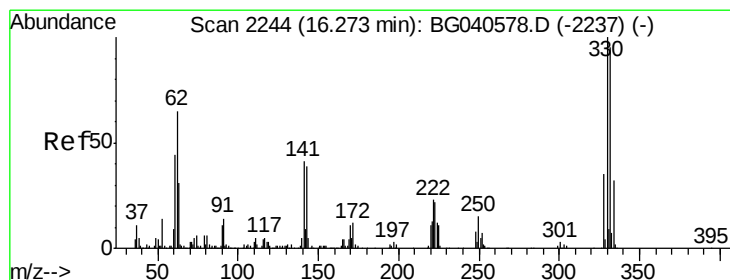
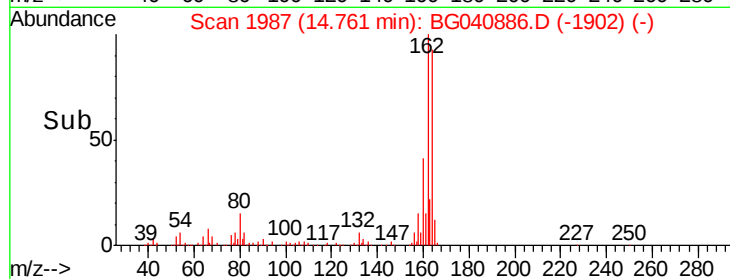
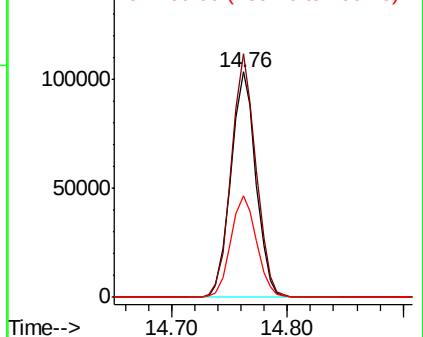
160 44.8 35.4 53.2



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: 172.897 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

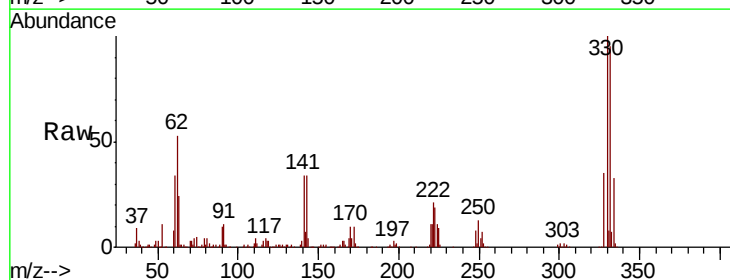
Tgt Ion:330 Resp: 369643

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

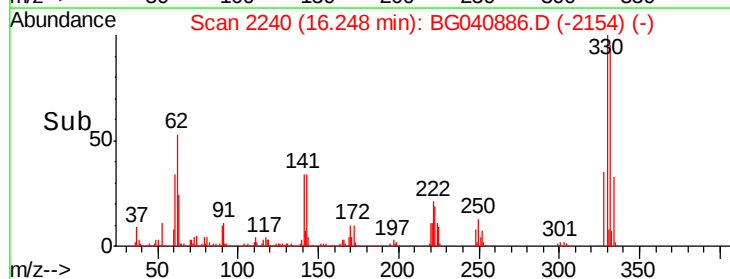
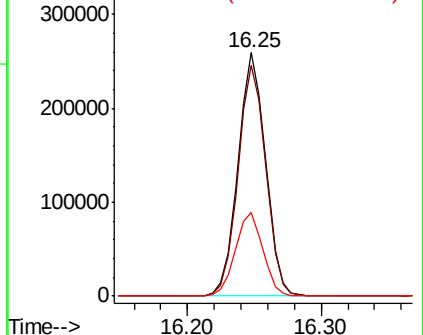
141 34.5 32.4 48.6

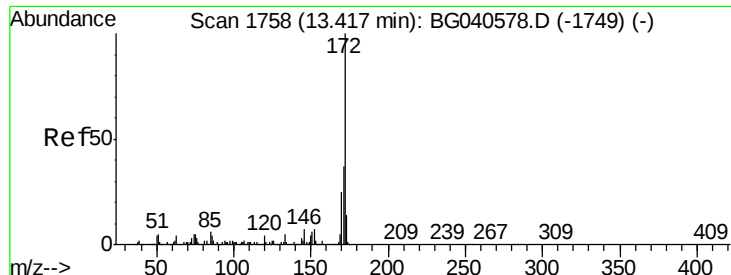


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

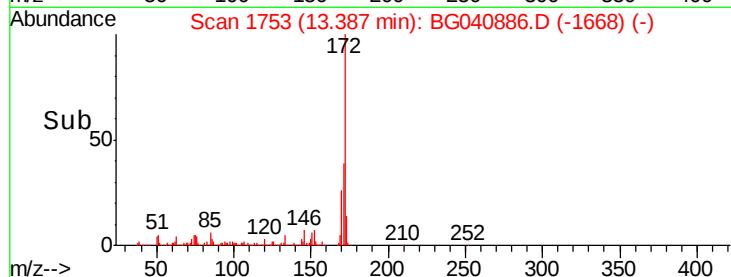
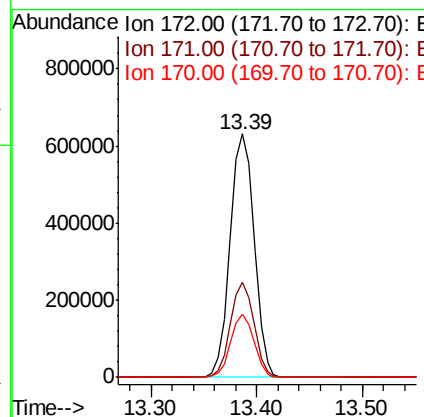
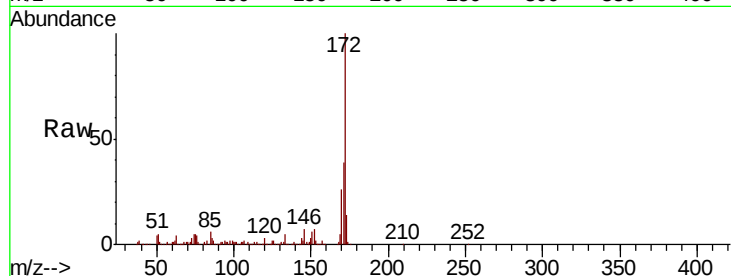




#45
 2-Fluorobiphenyl
 Concen: 92.431 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040886.D
 Acq: 11 May 2019 23:01

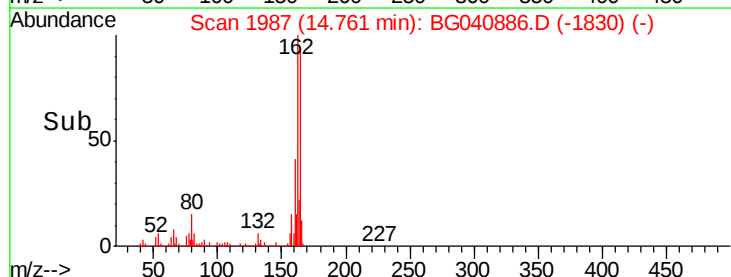
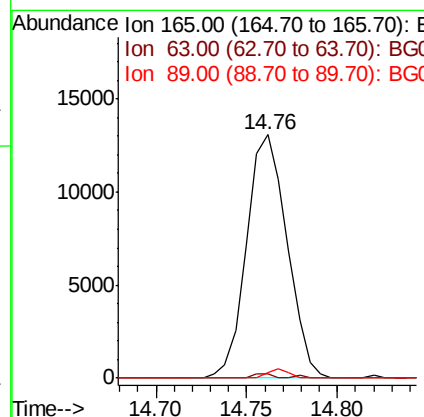
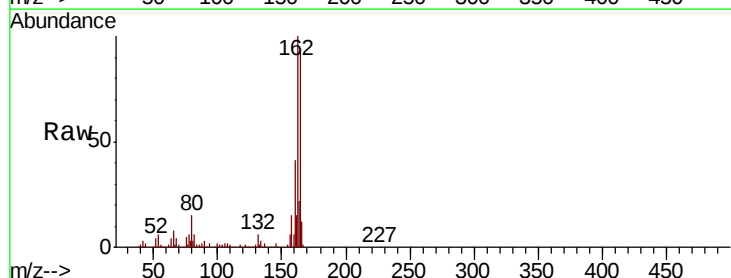
Instrument :
 BNA_G
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 RB-190507

Tgt Ion:	172	Resp:	995479
Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.4	44.2
170	26.1	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.970 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.39 min
 Lab File: BG040886.D
 Acq: 11 May 2019 23:01

Tgt Ion:	165	Resp:	20242
Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	2.5	58.6	87.8#

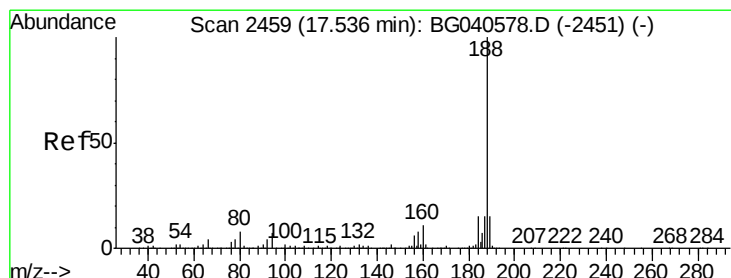
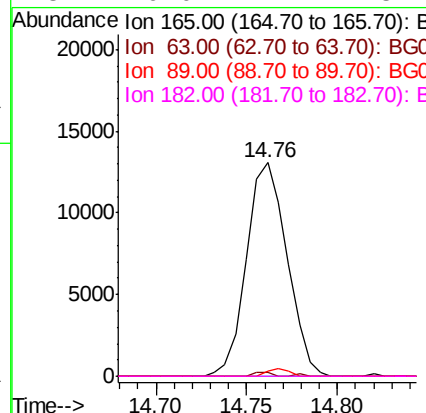
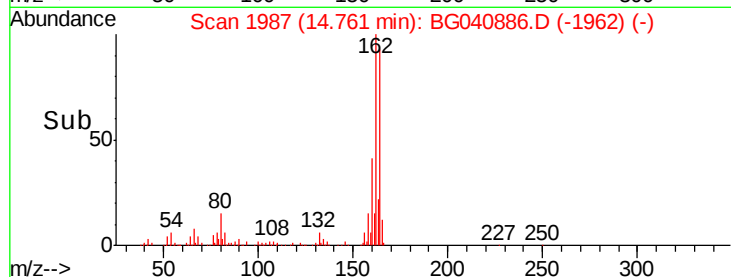
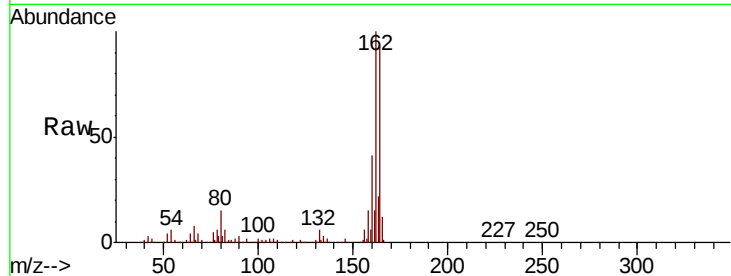




#57
 2,4-Dinitrotoluene
 Concen: 5.865 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.38 min
 Lab File: BG040886.D
 Acq: 11 May 2019 23:01

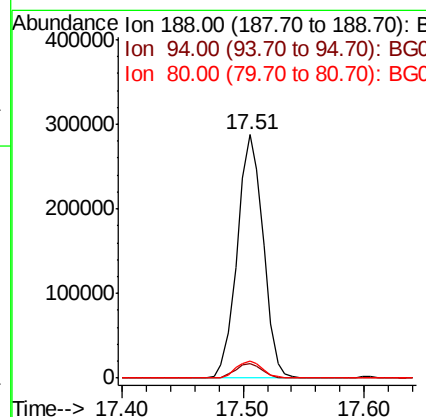
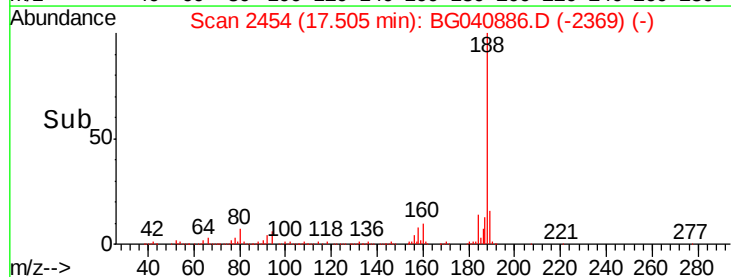
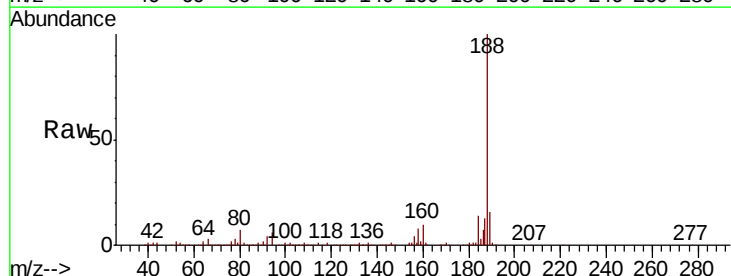
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 ClientSampleId :
 RB-190507

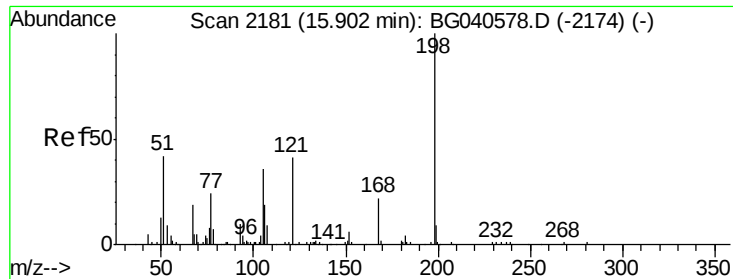
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.8	68.8#
89	2.5	69.4	104.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040886.D
 Acq: 11 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	5.6	8.4
80	6.9	6.4	9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.29 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Instrument :

BNA_G

ClientSampleId :

RB-190507

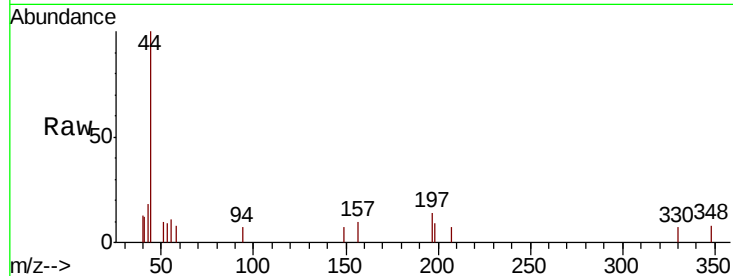
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 110.5 35.9 75.9#

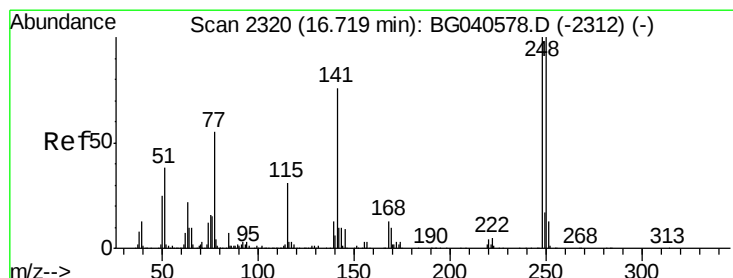
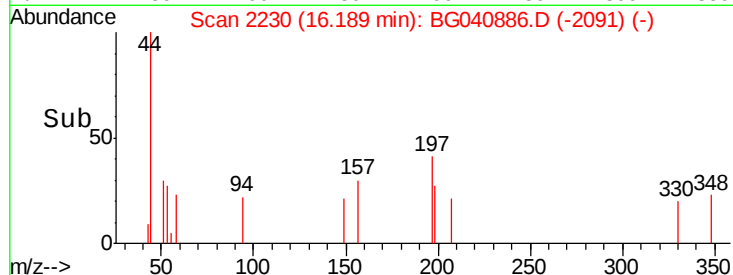
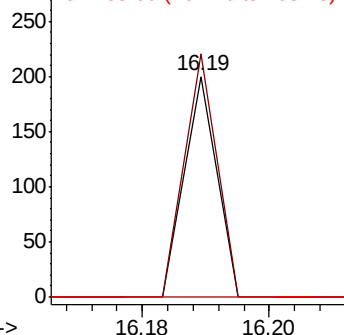
105 0.0 21.2 61.2#



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: 5.054 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

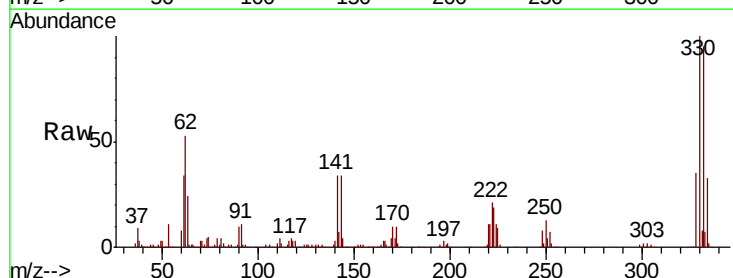
Tgt Ion:248 Resp: 27137

Ion Ratio Lower Upper

248 100

250 176.8 79.8 119.6#

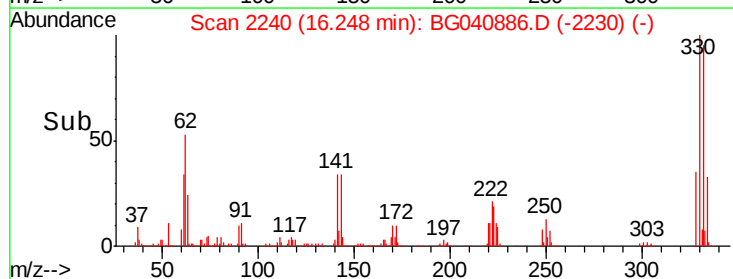
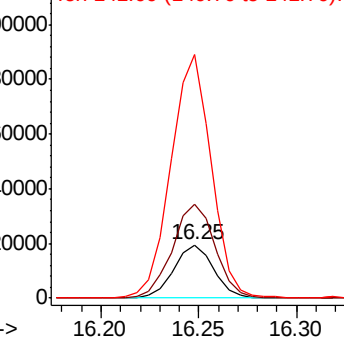
141 457.1 60.8 91.2#

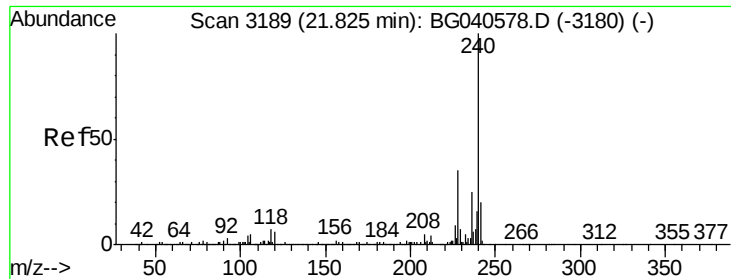


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

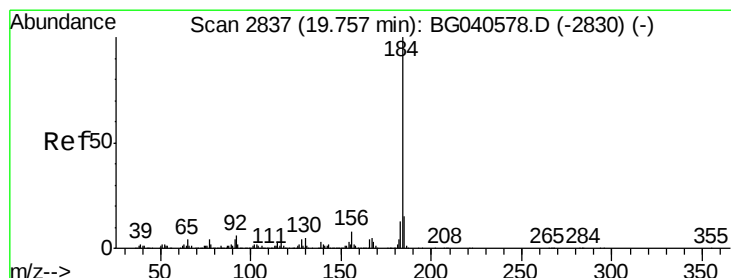
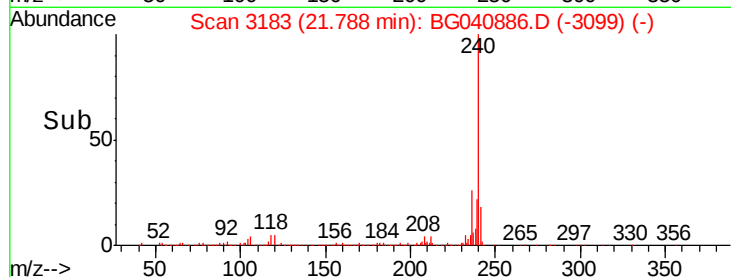
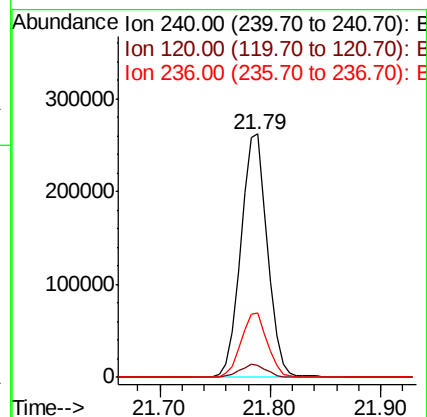
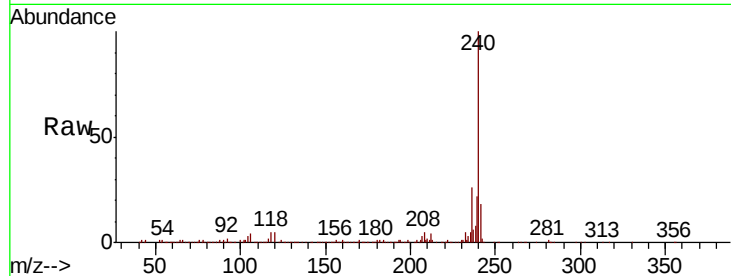




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.04 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

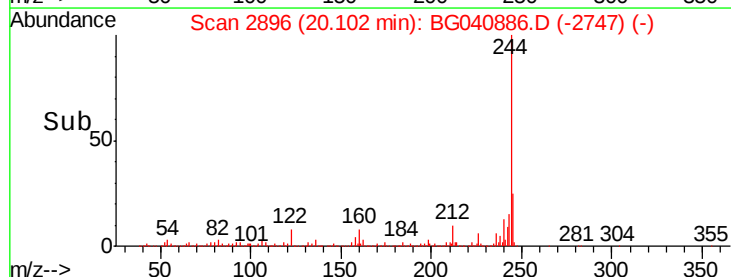
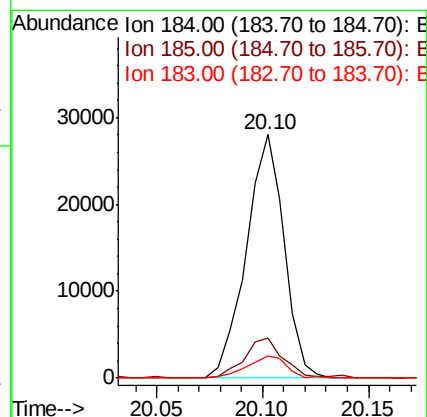
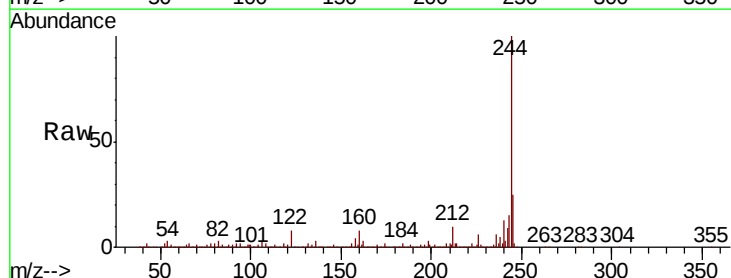
Instrument :
BNA_G
ClientSampleId :
RB-190507

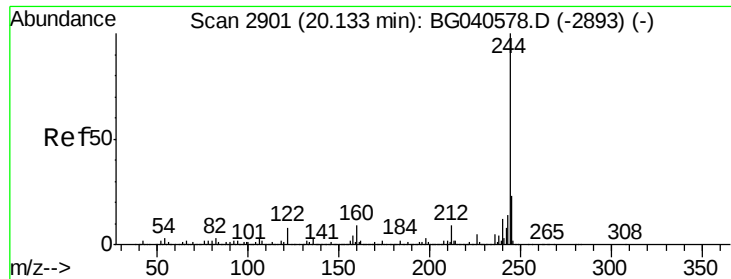
Tgt Ion:240 Resp: 443234
Ion Ratio Lower Upper
240 100
120 5.1 5.0 7.6
236 26.5 20.3 30.5



#77
Benzidine
Concen: 2.861 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040886.D
Acq: 11 May 2019 23:01

Tgt Ion:184 Resp: 34724
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.8
183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 96.818 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Instrument :

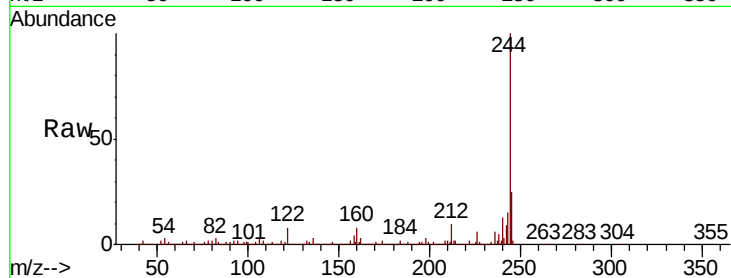
BNA_G

ClientSampleId :

RB-190507

Tgt Ion:244 Resp: 1937016

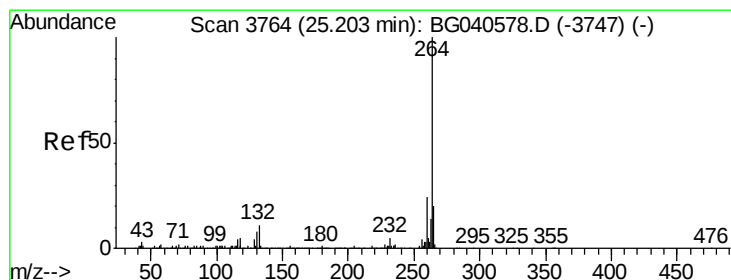
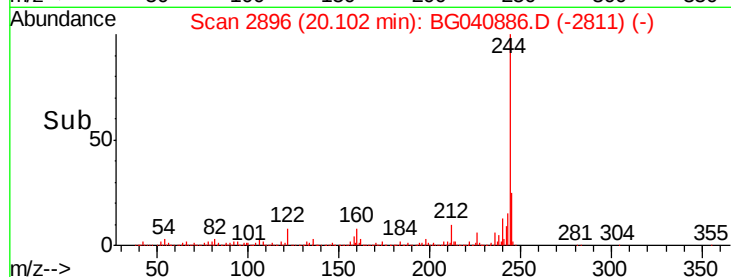
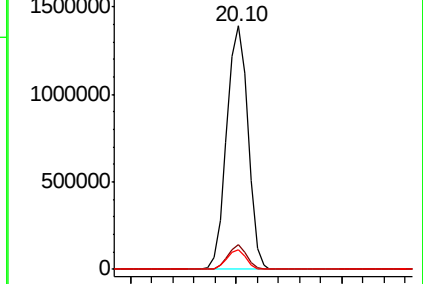
Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.2	10.8
122	8.0	6.6	10.0



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

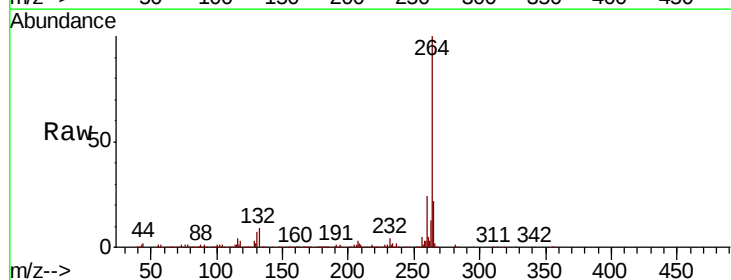
Delta R.T. -0.07 min

Lab File: BG040886.D

Acq: 11 May 2019 23:01

Tgt Ion:264 Resp: 471512

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.9	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

