

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040980.D
 Acq On : 31 May 2019 16:03
 Operator : HP/JU
 Sample : PB119288BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119288BL

Quant Time: Jun 01 05:13:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

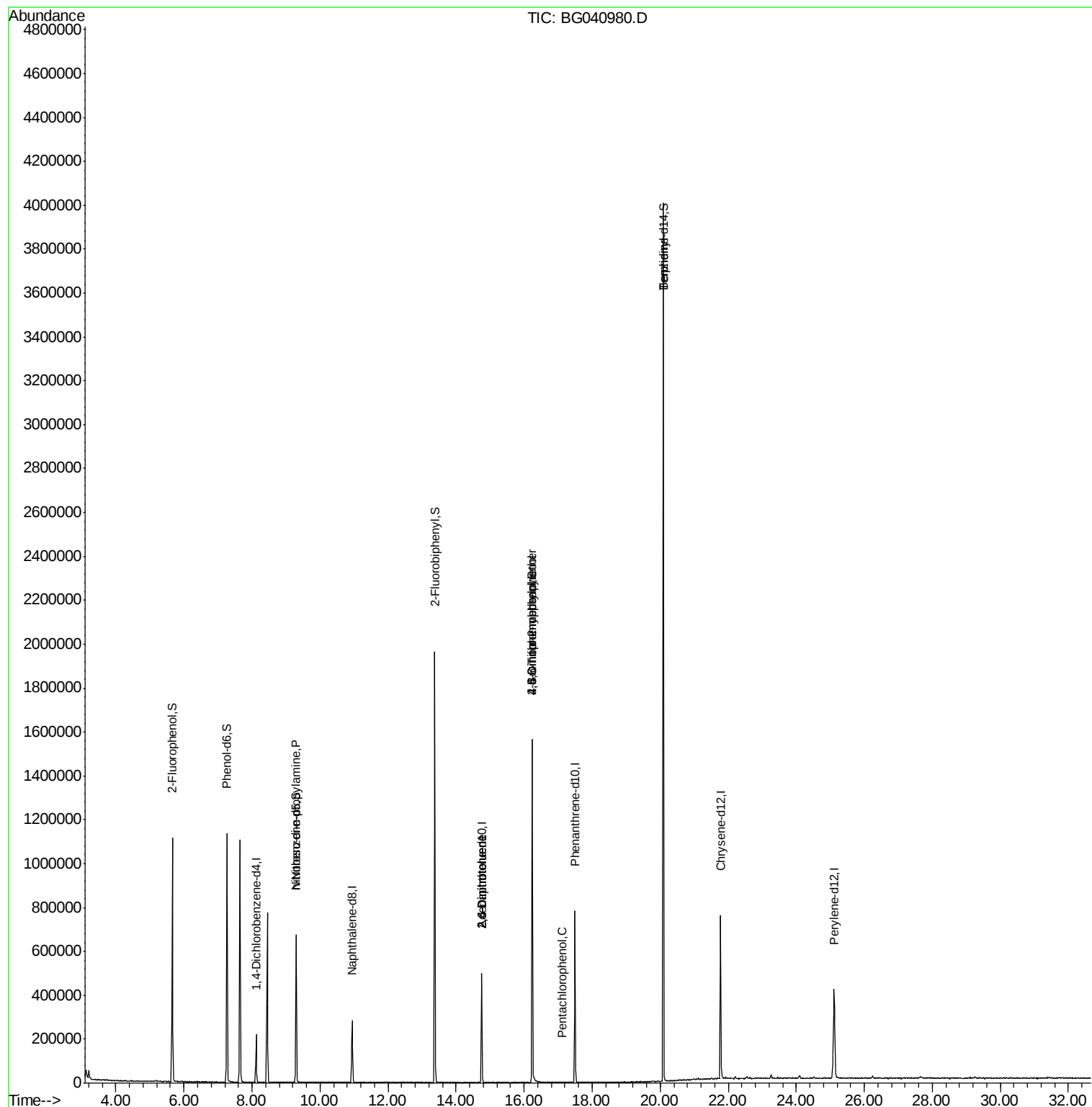
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	57342	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	226063	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	171862	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	460818	20.00	ng	0.00
76) Chrysene-d12	21.78	240	471105	20.00	ng	0.00
87) Perylene-d12	25.11	264	483047	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	411389	129.37	ng	0.00
7) Phenol-d6	7.27	99	589718	120.08	ng	0.00
23) Nitrobenzene-d5	9.30	82	401367	78.82	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	295230	115.71	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	952688	79.83	ng	0.00
79) Terphenyl-d14	20.09	244	1813581	81.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	57149	15.121	ng	# 73
51) 2,6-Dinitrotoluene	14.76	165	22826	7.277	ng	# 18
57) 2,4-Dinitrotoluene	14.76	165	22826	5.152	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.24	198	756	8.841	ng	75
67) 4-Bromophenyl-phenylether	16.24	248	22648	3.642	ng	# 1
70) Pentachlorophenol	17.11	266	63	4.273	ng	# 18
77) Benzidine	20.09	184	32663	2.906	ng	# 94

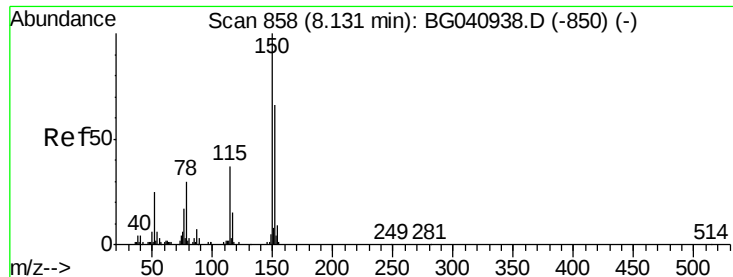
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
Data File : BG040980.D
Acq On : 31 May 2019 16:03
Operator : HP/JU
Sample : PB119288BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB119288BL

Quant Time: Jun 01 05:13:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



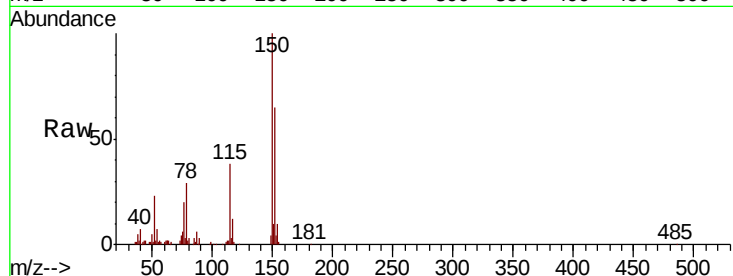


#1

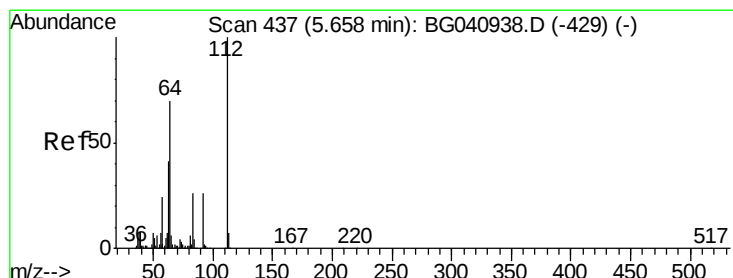
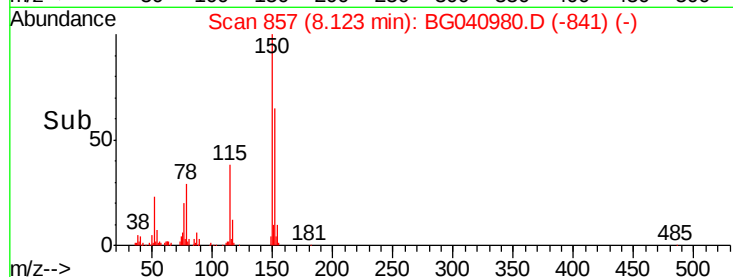
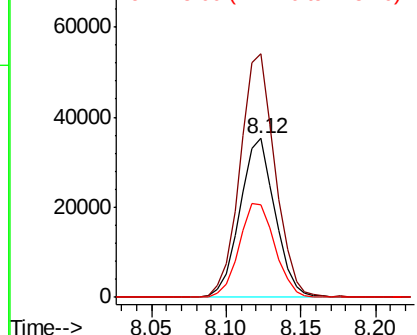
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040980.D
Acq: 31 May 2019 16:03

Instrument :
BNA_G
ClientSampleId :
PB119288BL

Tgt Ion:152 Resp: 57342
Ion Ratio Lower Upper
152 100
150 153.2 120.6 180.8
115 58.0 45.1 67.7



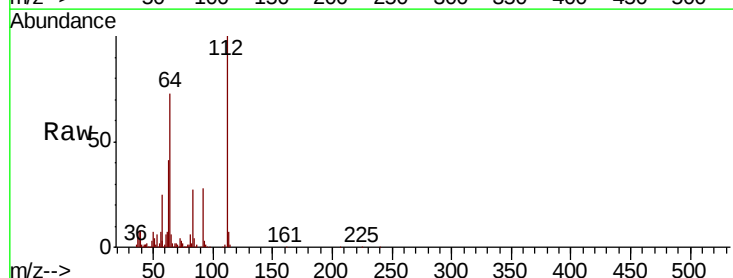
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



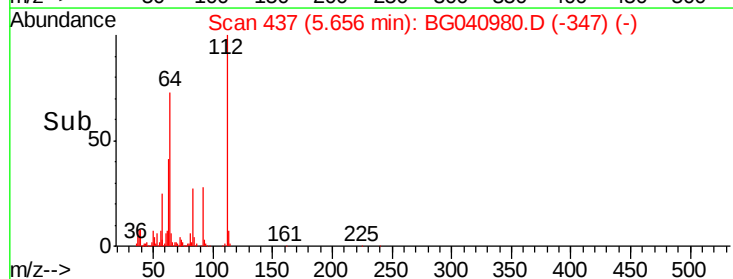
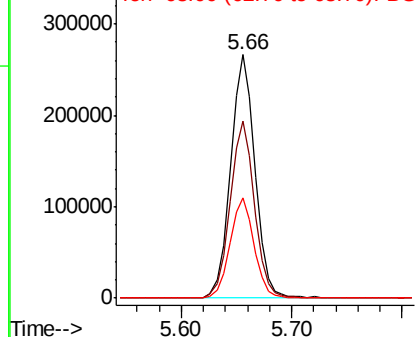
#5

2-Fluorophenol
Concen: 129.368 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040980.D
Acq: 31 May 2019 16:03

Tgt Ion:112 Resp: 411389
Ion Ratio Lower Upper
112 100
64 72.8 56.2 84.2
63 41.4 32.8 49.2



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: 120.077 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

Instrument :

BNA_G

ClientSampleId :

PB119288BL

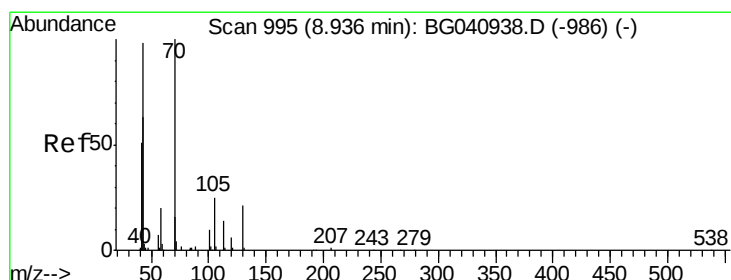
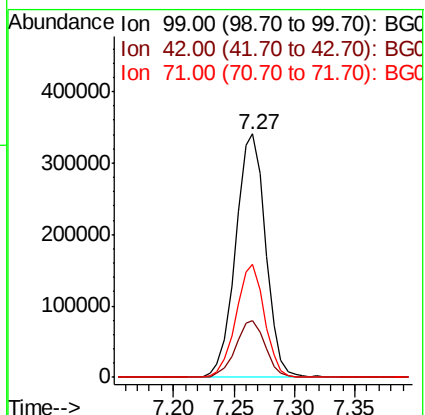
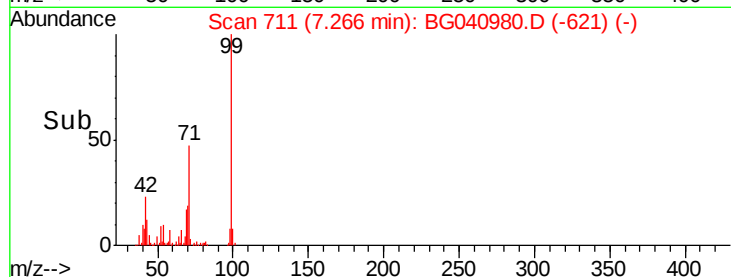
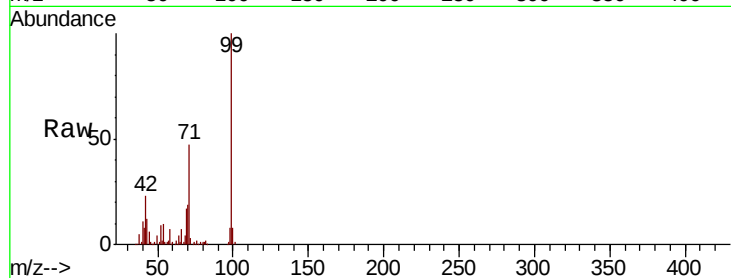
Tgt Ion: 99 Resp: 589718

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 46.5 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.121 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

Tgt Ion: 70 Resp: 57149

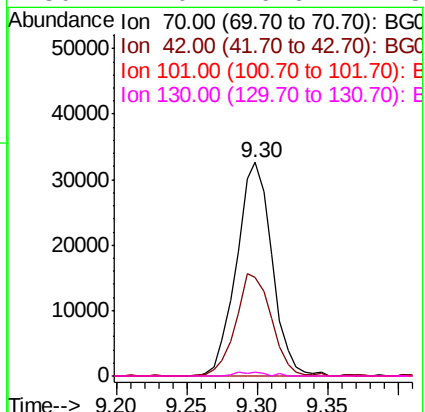
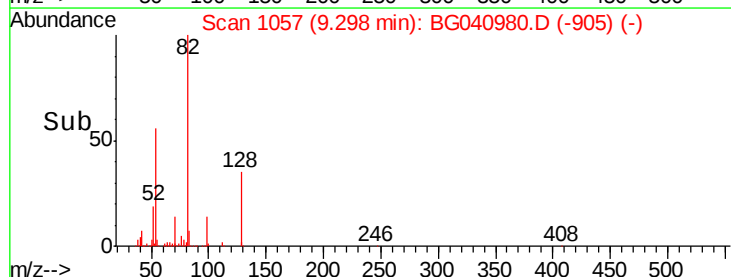
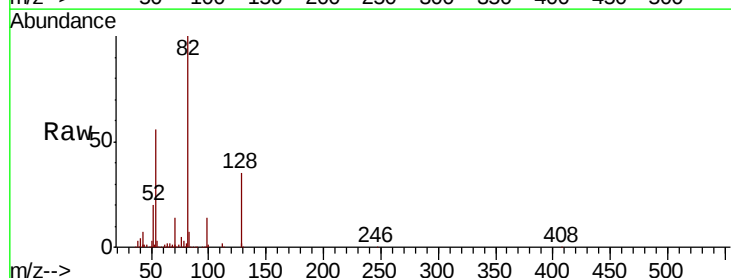
Ion Ratio Lower Upper

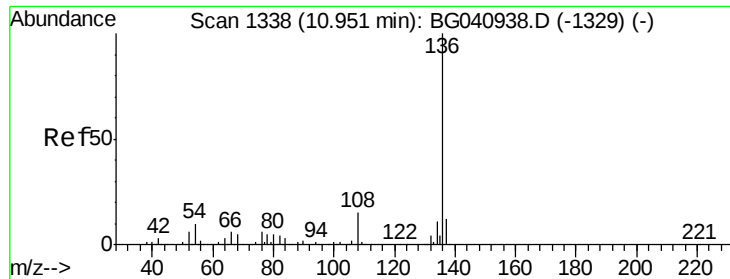
70 100

42 46.3 51.5 77.3#

101 0.0 8.1 12.1#

130 2.0 16.6 24.8#

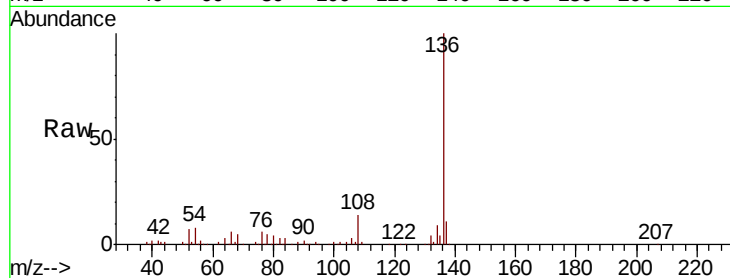




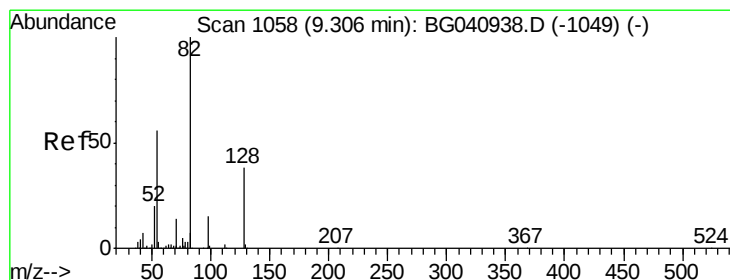
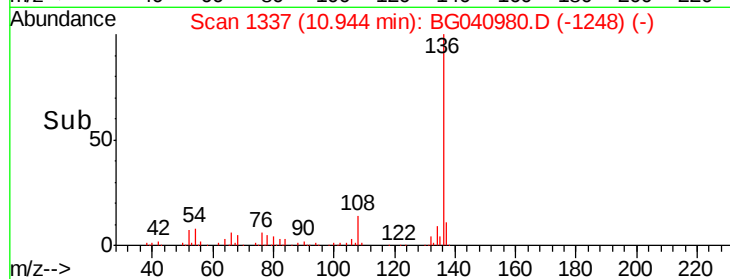
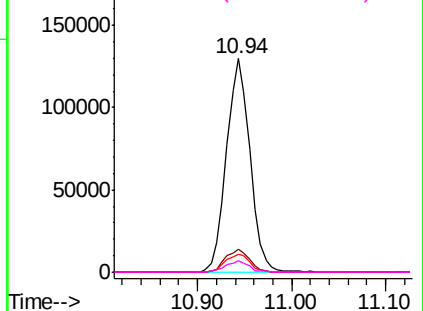
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040980.D
Acq: 31 May 2019 16:03

Instrument :
BNA_G
ClientSampleId :
PB119288BL

Tgt Ion:	136	Resp:	226063
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.5	14.3
54	8.4	7.6	11.4
68	5.1	3.9	5.9

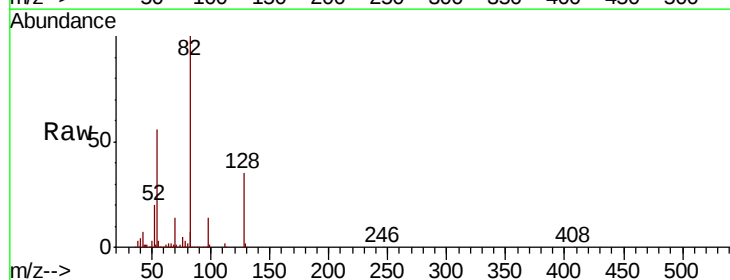


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

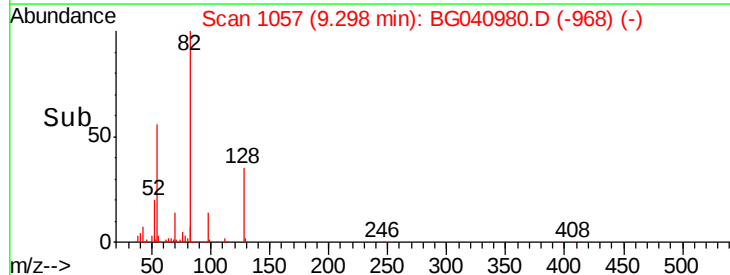
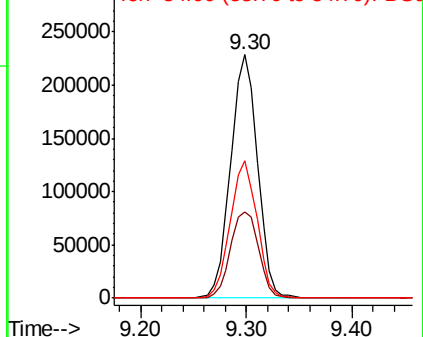


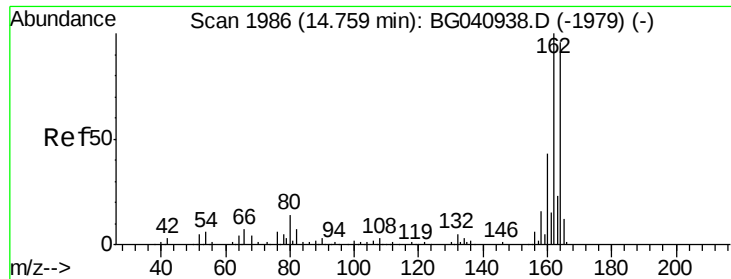
#23
Nitrobenzene-d5
Concen: 78.819 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040980.D
Acq: 31 May 2019 16:03

Tgt Ion:	82	Resp:	401367
Ion	Ratio	Lower	Upper
82	100		
128	35.3	30.5	45.7
54	56.4	44.6	66.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

Instrument :

BNA_G

ClientSampleId :

PB119288BL

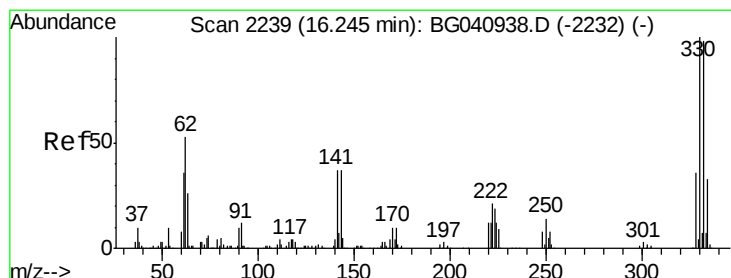
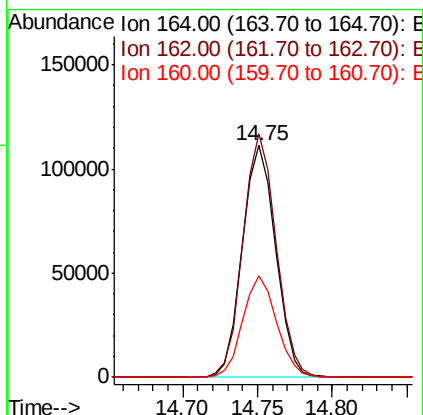
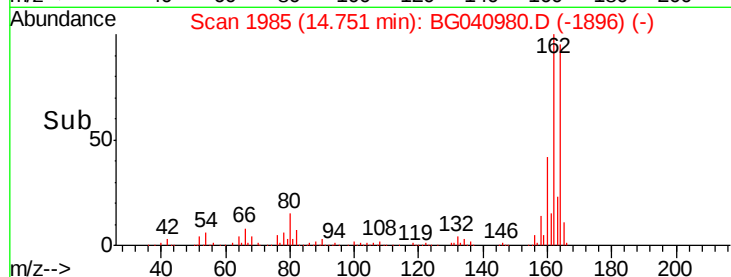
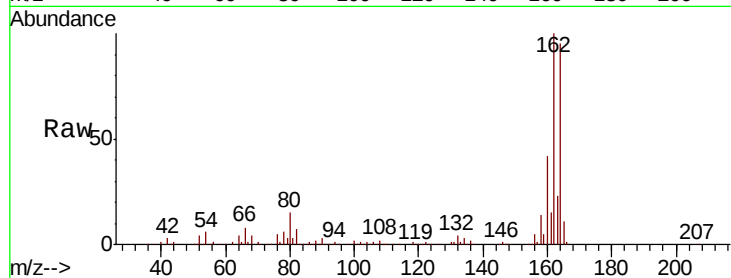
Tgt Ion:164 Resp: 171862

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.4

160 43.8 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 115.712 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

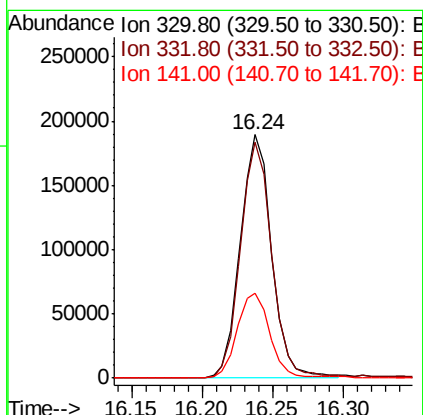
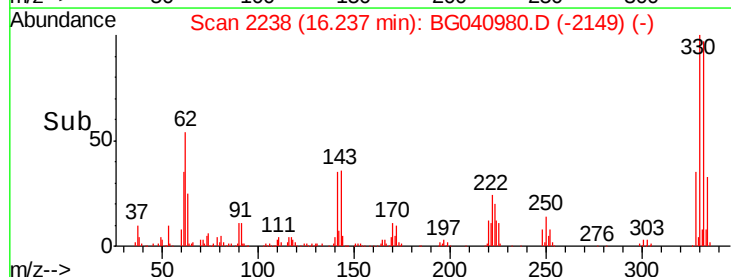
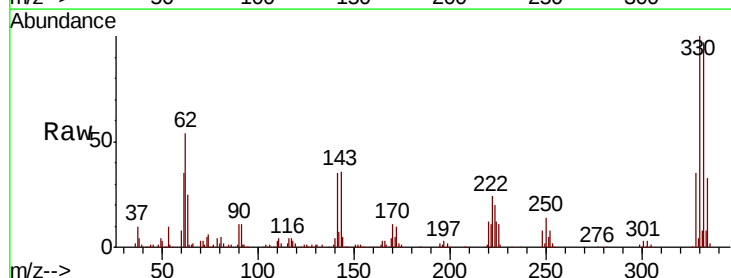
Tgt Ion:330 Resp: 295230

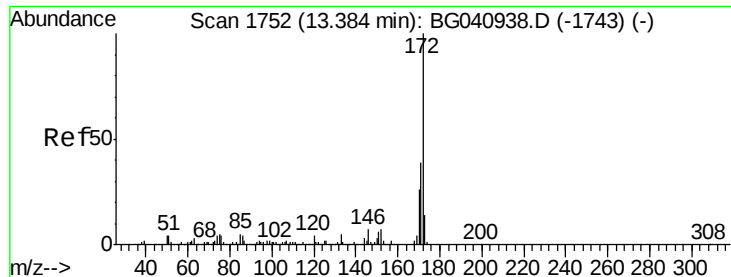
Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 37.2 28.7 43.1

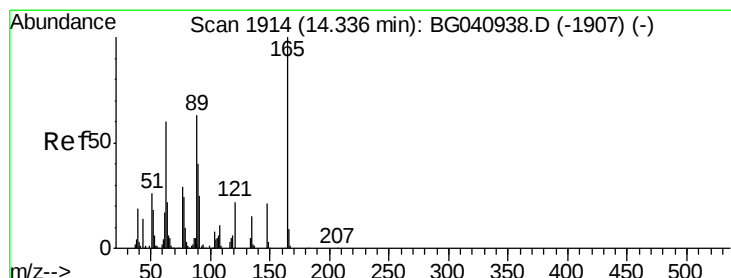
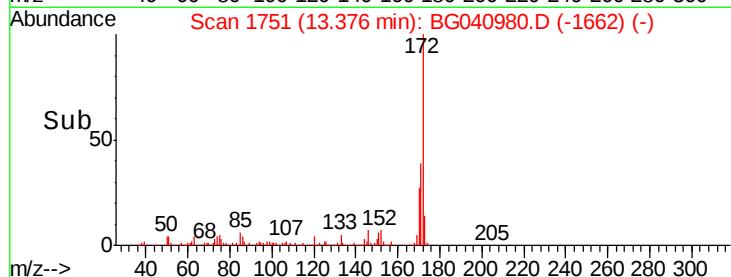
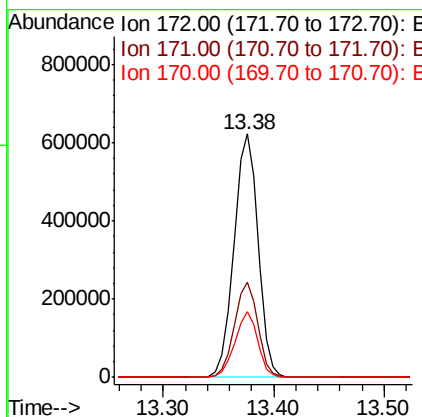
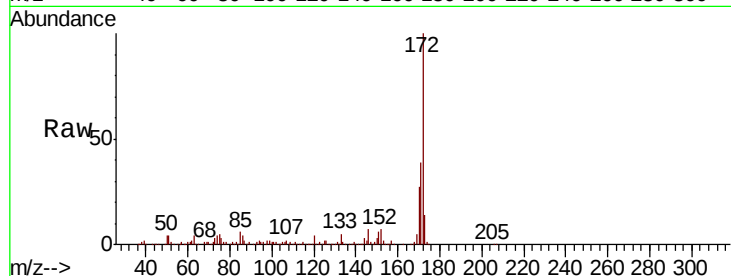




#45
 2-Fluorobiphenyl
 Concen: 79.830 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

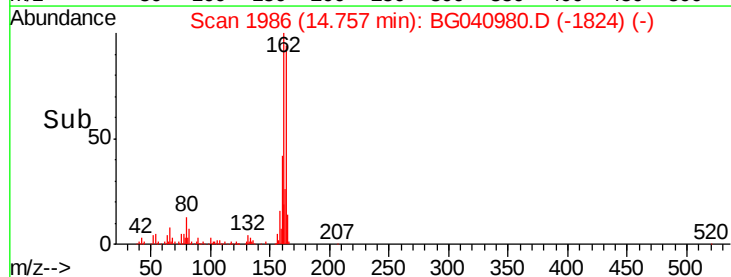
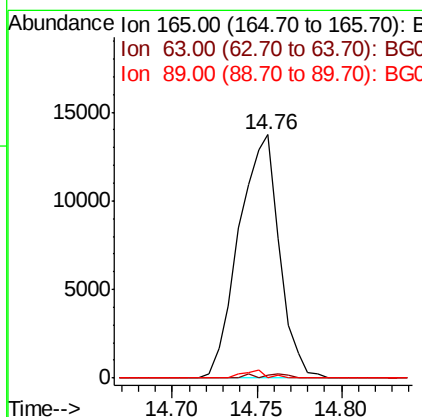
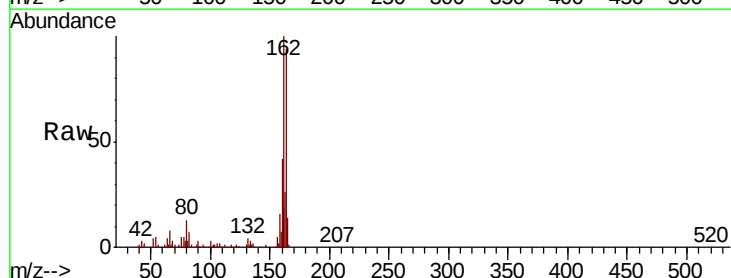
Instrument :
 BNA_G
 ClientSampleId :
 PB119288BL

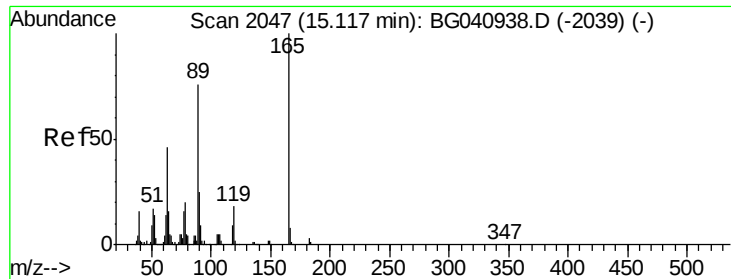
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	31.1	46.7
170	27.0	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.277 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.42 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	53.6	80.4#
89	0.0	50.4	75.6#

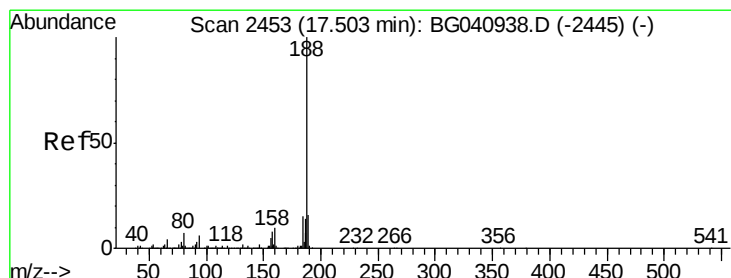
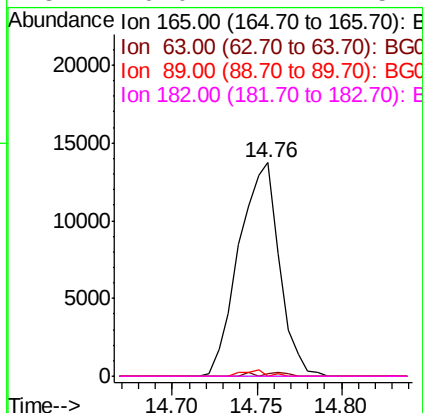
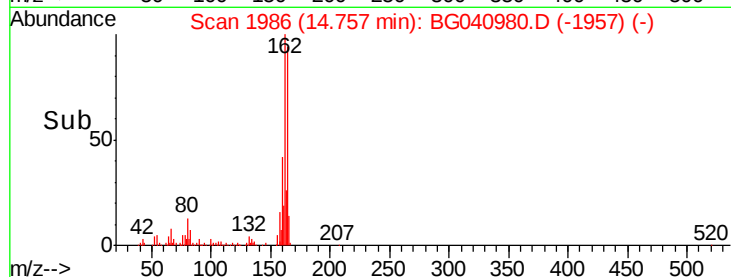
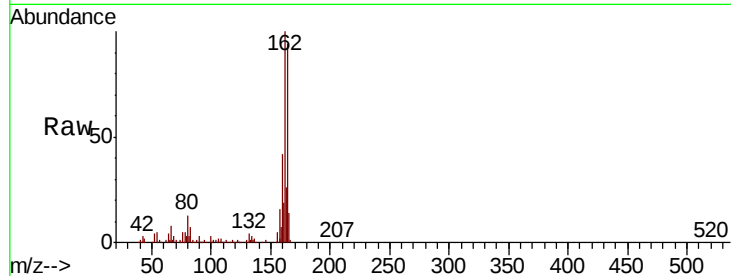




#57
 2,4-Dinitrotoluene
 Concen: 5.152 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.36 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

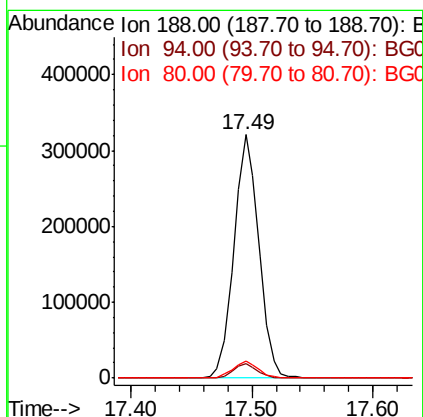
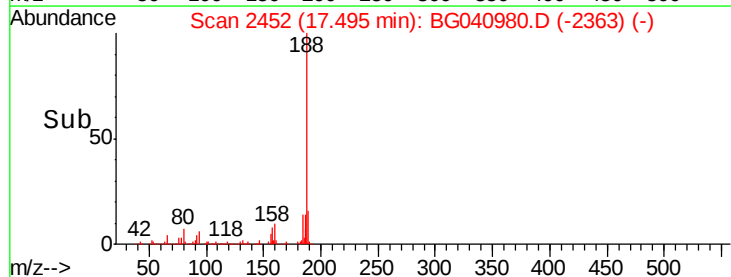
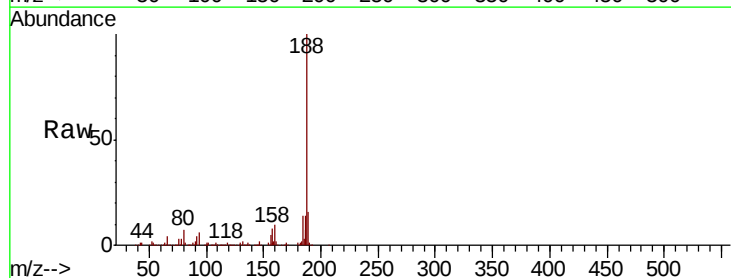
Instrument :
 BNA_G
 ClientSampleId :
 PB119288BL

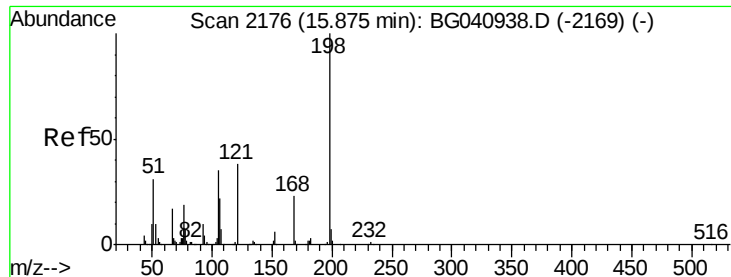
Tgt Ion:165 Resp: 22826
 Ion Ratio Lower Upper
 165 100
 63 1.4 37.3 55.9#
 89 0.0 61.0 91.6#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

Tgt Ion:188 Resp: 460818
 Ion Ratio Lower Upper
 188 100
 94 5.9 4.7 7.1
 80 7.0 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.841 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

Instrument :

BNA_G

ClientSampleId :

PB119288BL

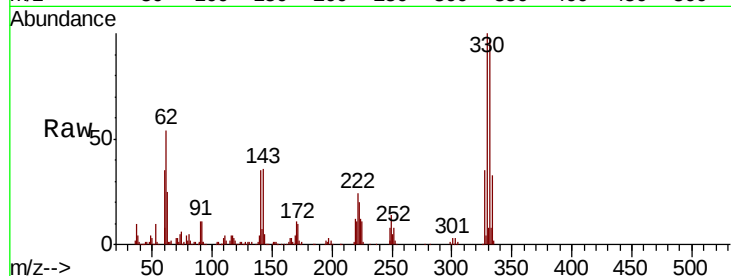
Tgt Ion:198 Resp: 756

Ion Ratio Lower Upper

198 100

51 24.5 21.6 61.6

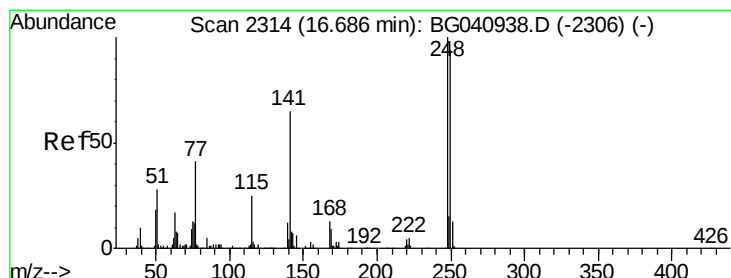
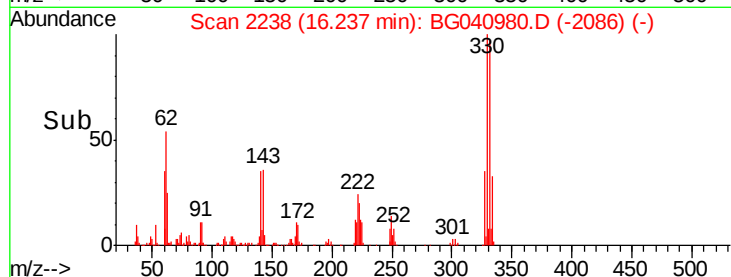
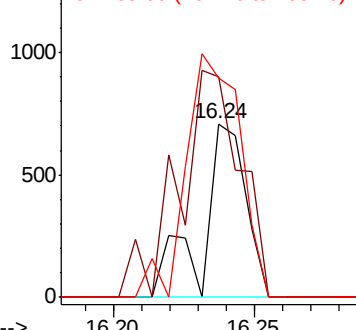
105 24.3 17.5 57.5



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: 3.642 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

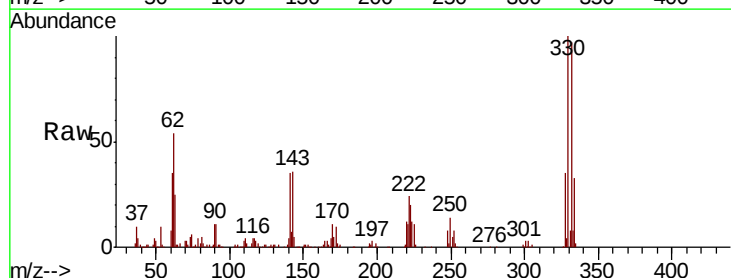
Tgt Ion:248 Resp: 22648

Ion Ratio Lower Upper

248 100

250 168.5 75.0 112.4#

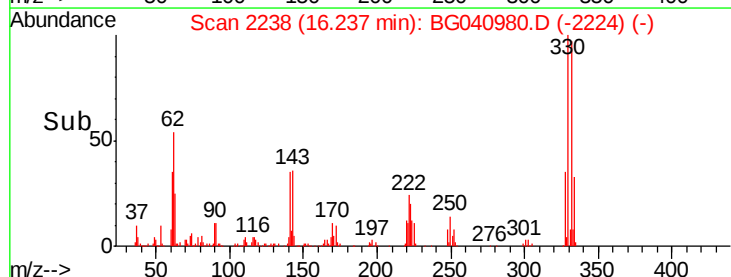
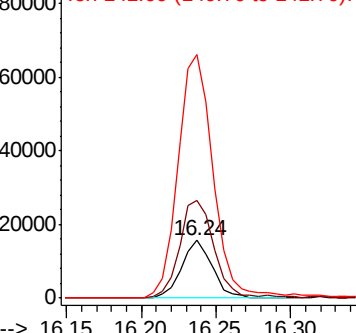
141 420.1 52.4 78.6#

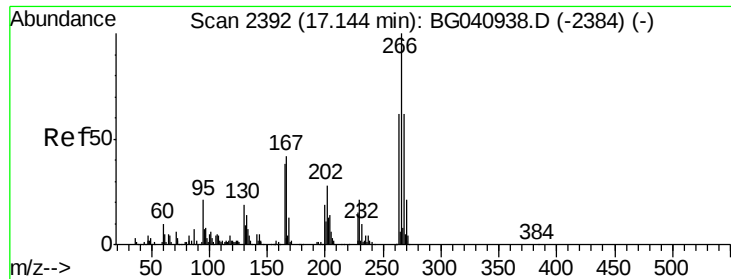


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

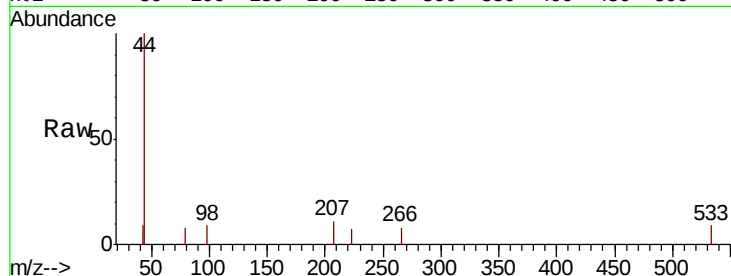




#70
 Pentachlorophenol
 Concen: 4.273 ng
 RT: 17.11 min Scan# 2387
 Delta R.T. -0.03 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

Instrument :
 BNA_G
 ClientSampleId :
 PB119288BL

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#

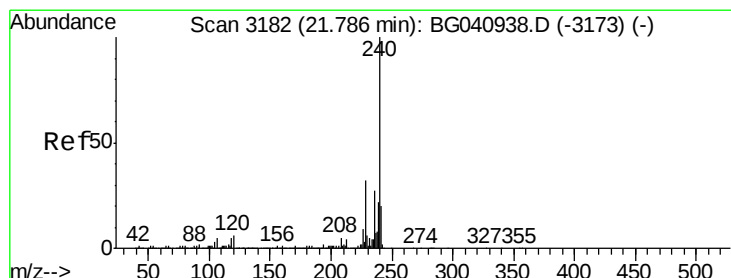
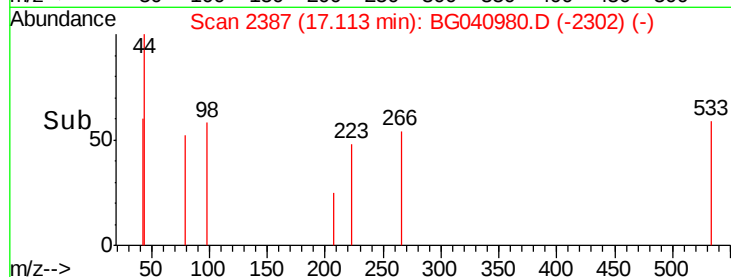
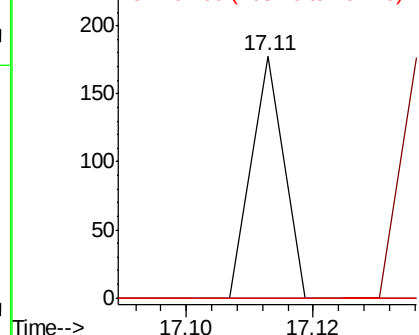


Abundance

Ion 265.70 (265.40 to 266.40): E

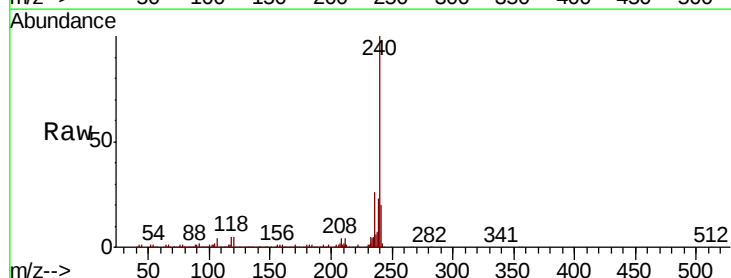
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3181
 Delta R.T. -0.01 min
 Lab File: BG040980.D
 Acq: 31 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.5	6.7
236	26.1	21.3	31.9

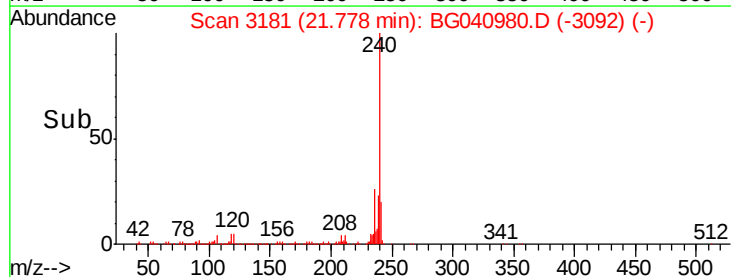
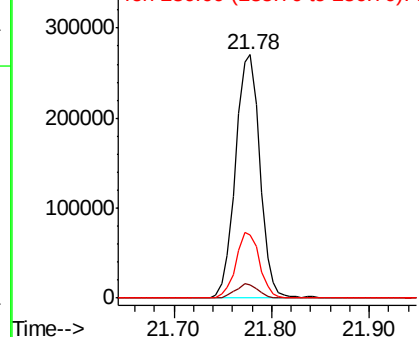


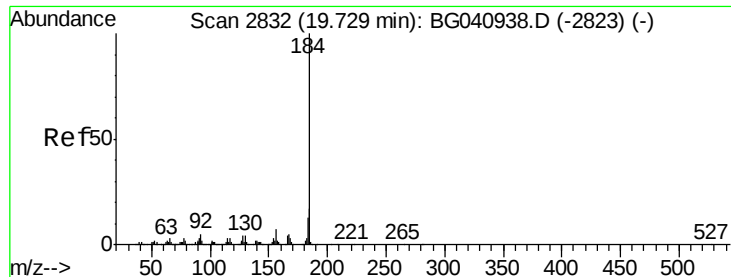
Abundance

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: 2.906 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

Instrument :

BNA_G

ClientSampleId :

PB119288BL

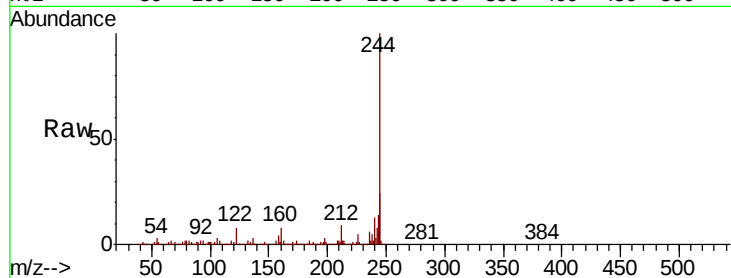
Tgt Ion:184 Resp: 32663

Ion Ratio Lower Upper

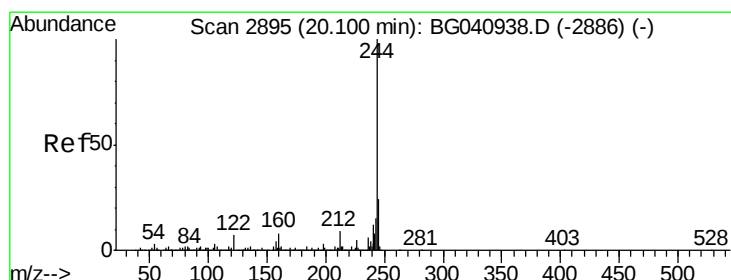
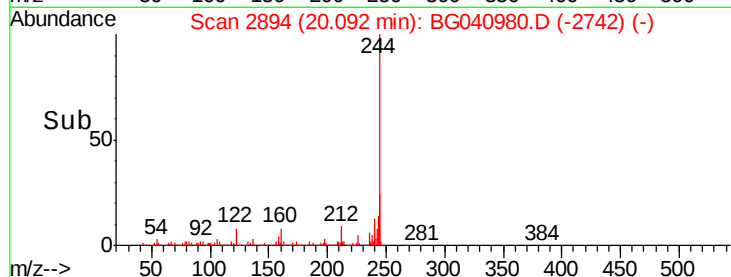
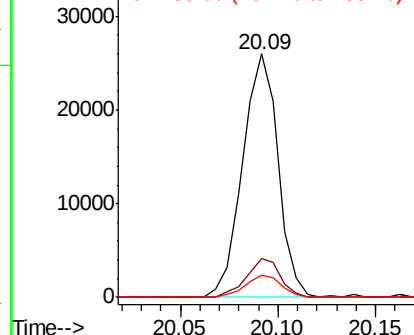
184 100

185 16.0 13.3 19.9

183 8.8 10.7 16.1#



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: 81.702 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040980.D

Acq: 31 May 2019 16:03

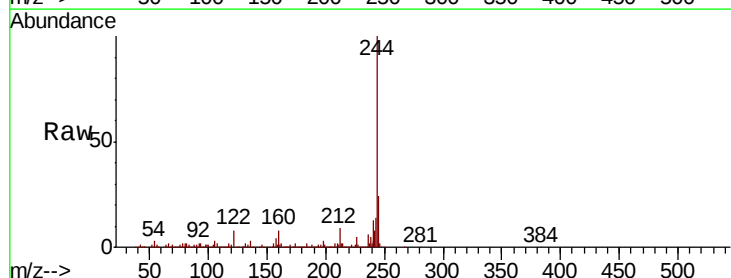
Tgt Ion:244 Resp: 1813581

Ion Ratio Lower Upper

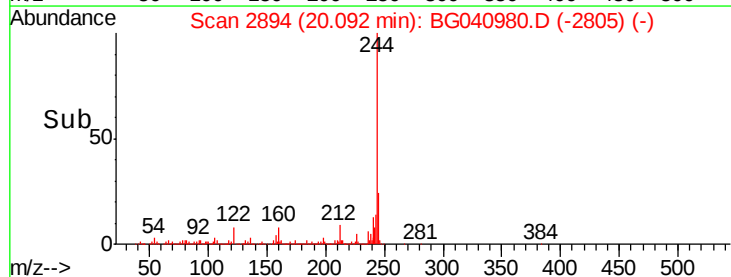
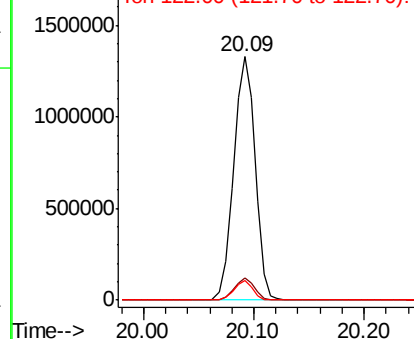
244 100

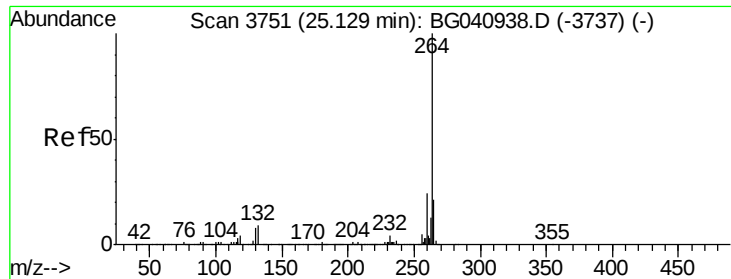
212 9.3 7.0 10.4

122 7.8 5.4 8.0



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

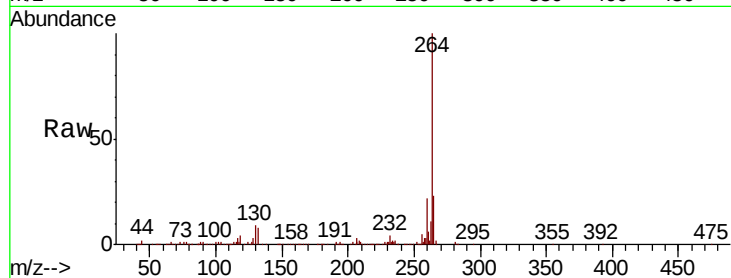




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG040980.D
Acq: 31 May 2019 16:03

Instrument :
BNA_G
ClientSampleId :
PB119288BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.0	28.4
265	23.3	17.0	25.4



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

