

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG042990.D
 Acq On : 2 Oct 2019 18:27
 Operator : JU
 Sample : K5154-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-106S

Quant Time: Oct 03 04:27:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

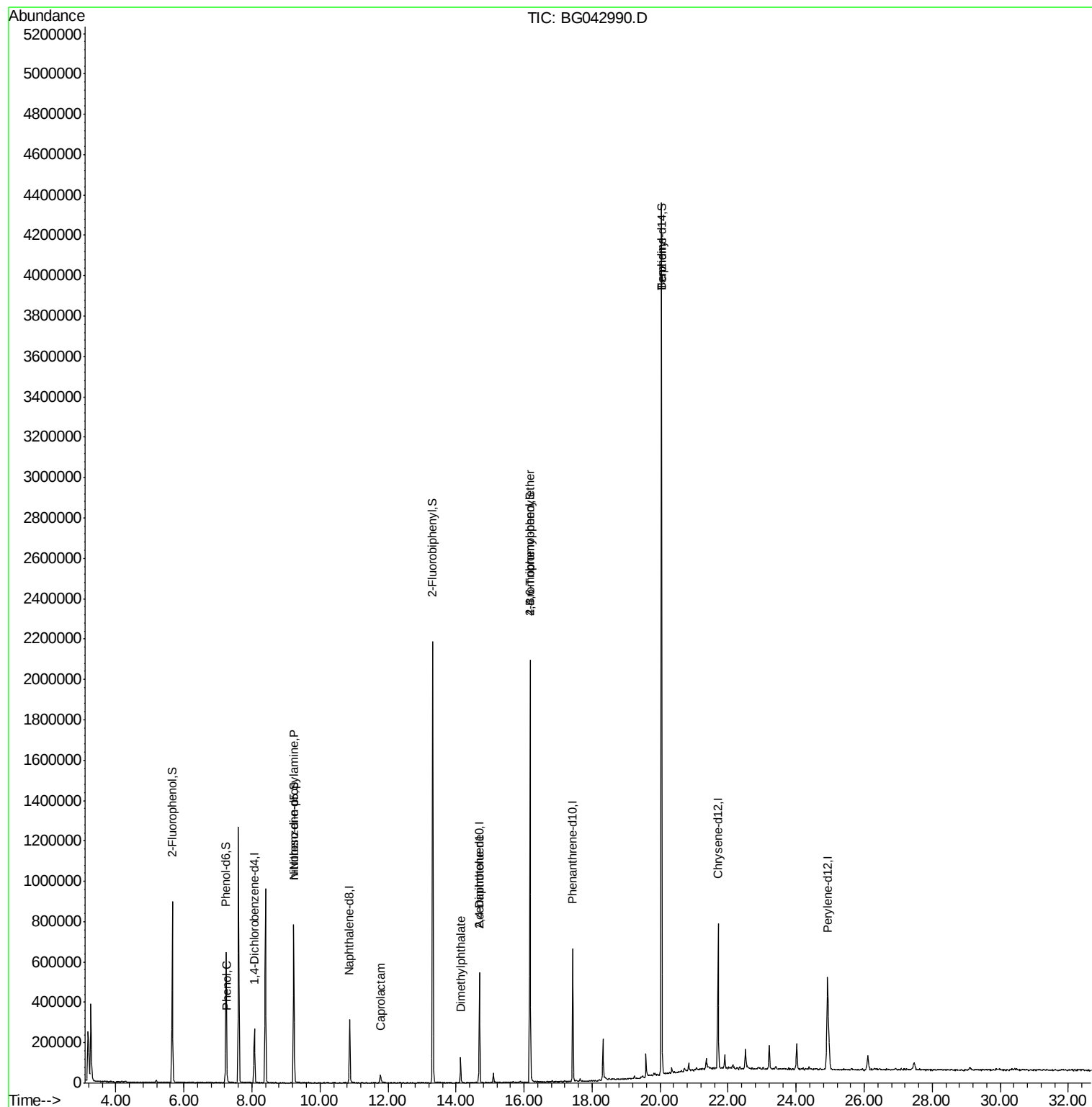
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	74554	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	270596	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	190402	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	431293	20.00	ng	0.00
76) Chrysene-d12	21.70	240	457869	20.00	ng	-0.02
87) Perylene-d12	24.92	264	535028	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	377356	90.33	ng	0.00
7) Phenol-d6	7.24	99	376875	62.65	ng	0.00
23) Nitrobenzene-d5	9.23	82	475907	85.48	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	442283	135.09	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1190372	90.63	ng	-0.01
79) Terphenyl-d14	20.04	244	2081582	96.87	ng	0.00
Target Compounds						
10) Phenol	7.27	94	11477	2.079	ng	83
19) n-Nitroso-di-n-propylamine	9.23	70	70356	17.811	ng	# 74
35) Caprolactam	11.77	113	8154	5.355	ng	# 77
50) Dimethylphthalate	14.13	163	84575	5.928	ng	# 97
57) 2,4-Dinitrotoluene	14.69	165	25807	5.801	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	30206	5.580	ng	# 1
77) Benzidine	20.04	184	34357	2.997	ng	96

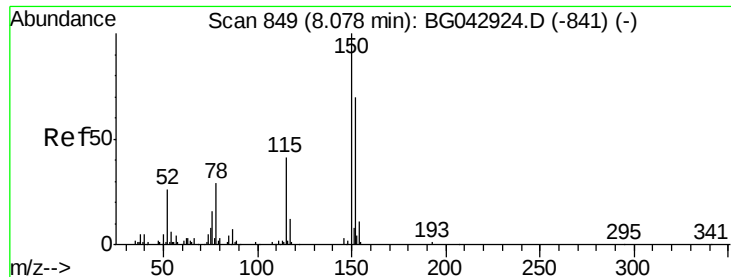
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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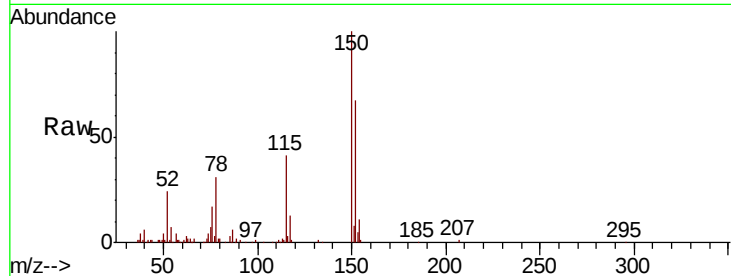


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Instrument :
BNA_G
ClientSampleId :
MW-106S

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	115.0	172.4
115	60.6	47.0	70.6

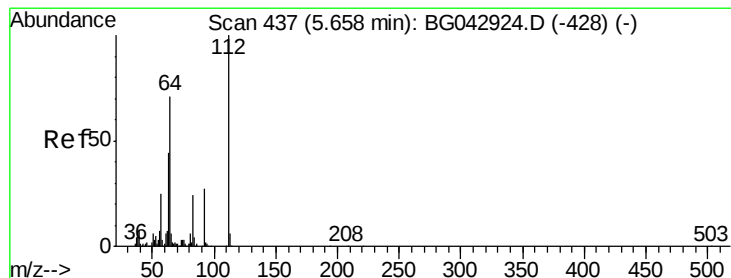
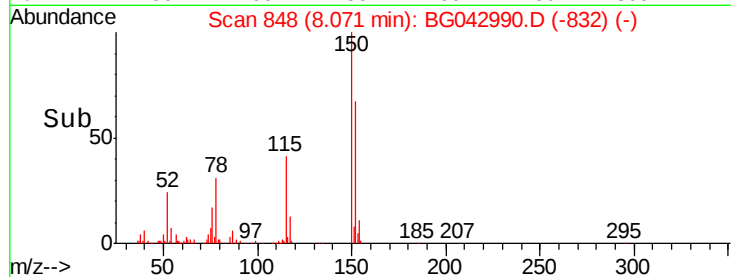
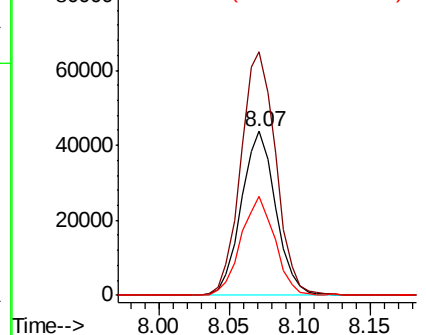


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

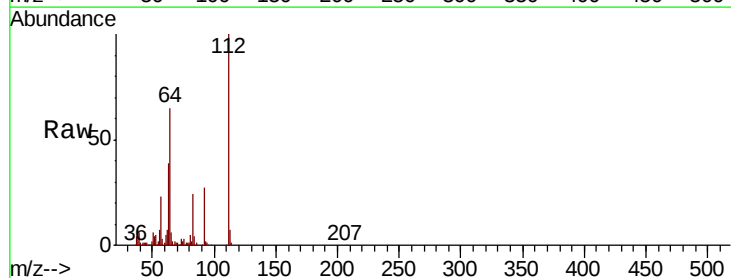
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.329 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	56.6	84.8
63	38.9	35.1	52.7

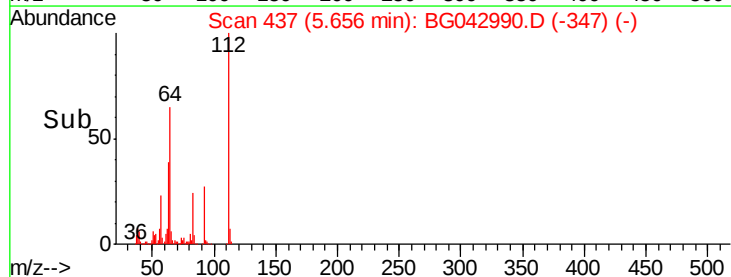
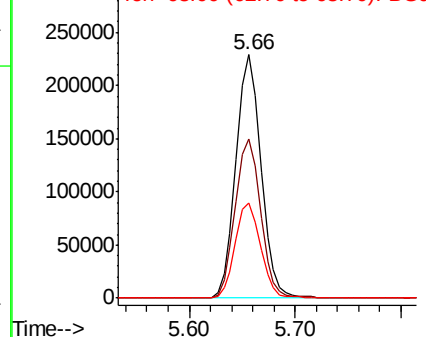


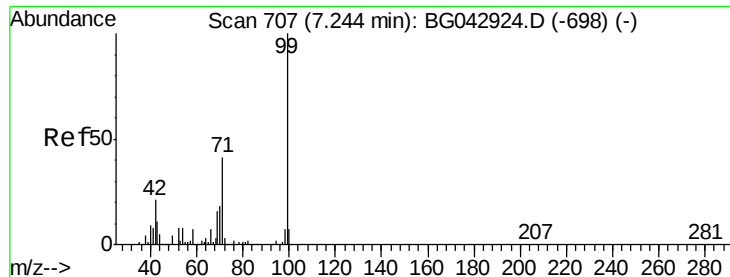
Abundance

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: 62.646 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

Instrument :

BNA_G

ClientSampled :

MW-106S

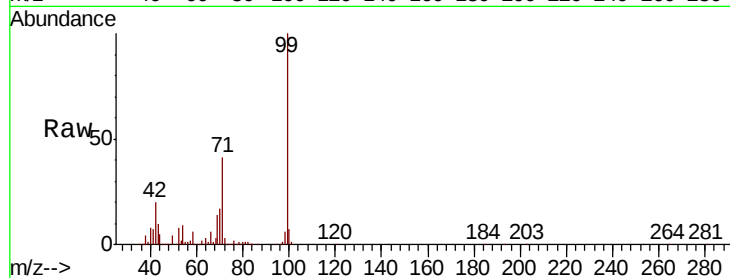
Tot Ion: 99 Resp: 376875

Ion Ratio Lower Upper

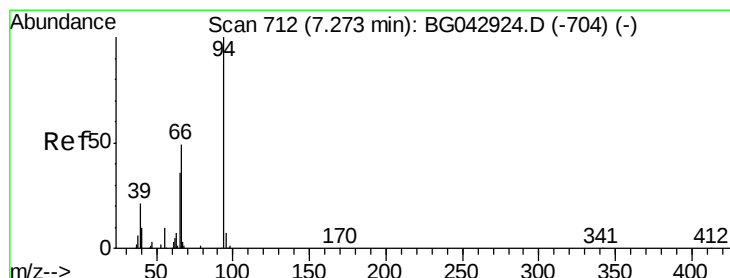
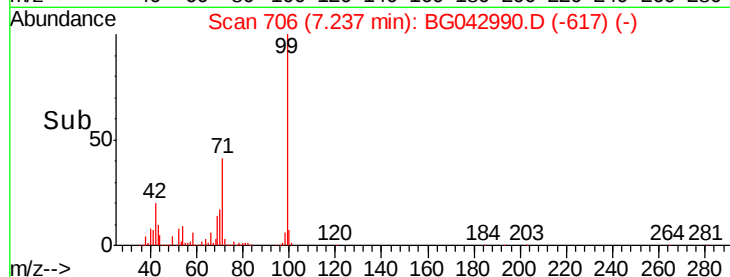
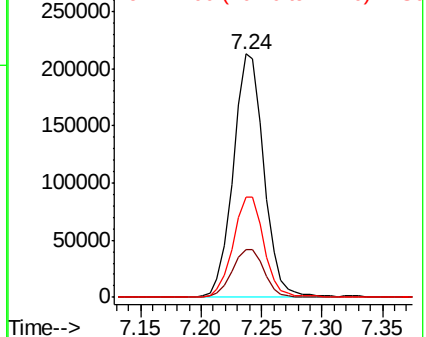
99 100

42 19.7 17.2 25.8

71 41.3 33.1 49.7



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



#10

Phenol

Concen: 2.079 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

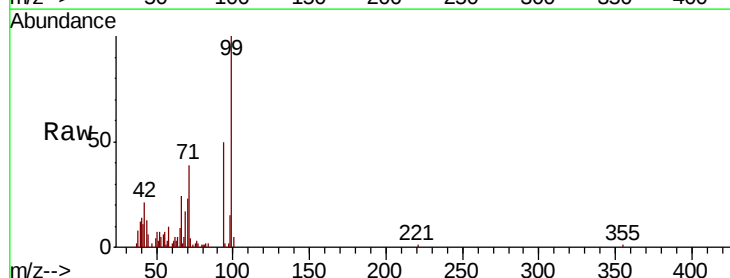
Tgt Ion: 94 Resp: 11477

Ion Ratio Lower Upper

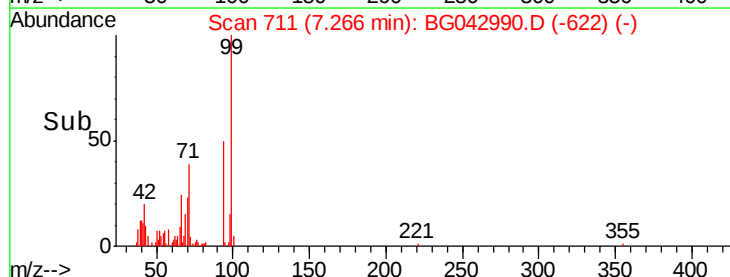
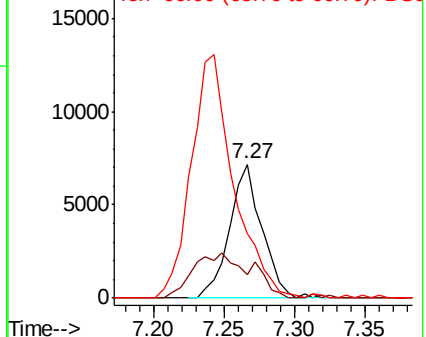
94 100

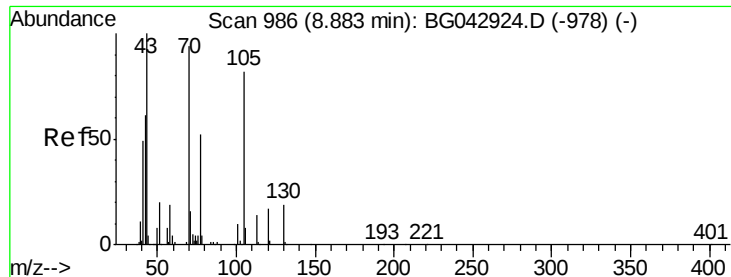
65 17.5 16.6 56.6

66 48.1 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

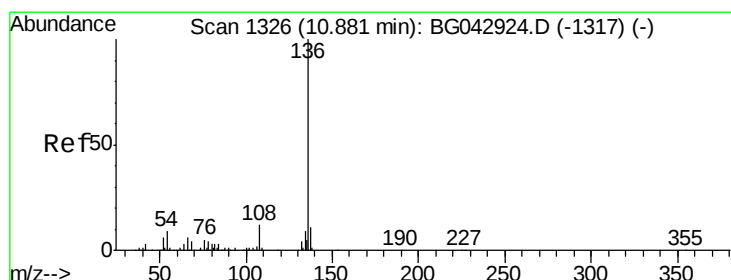
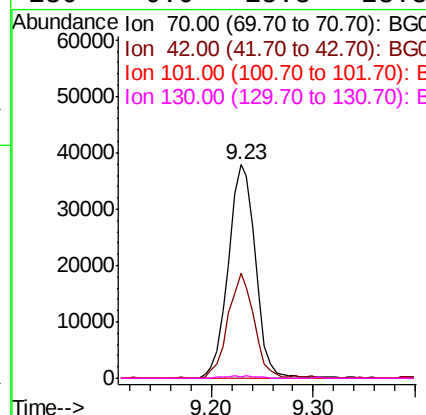
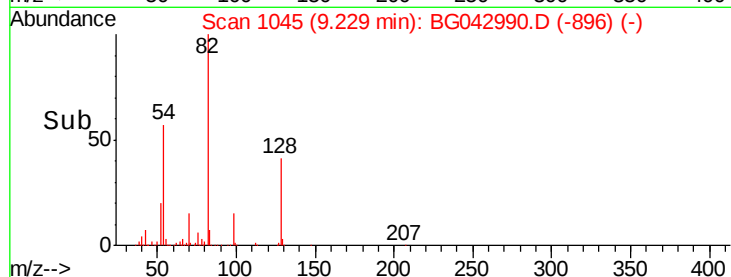
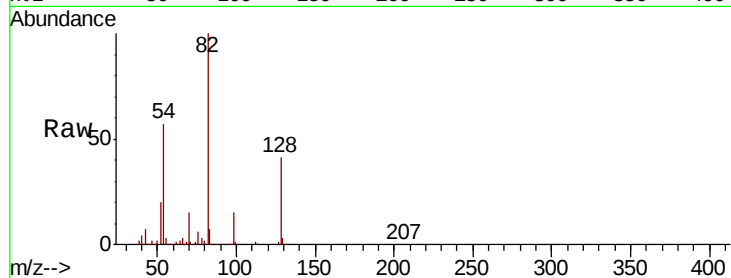




#19
n-Nitroso-di-n-propylamine
Concen: 17.811 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

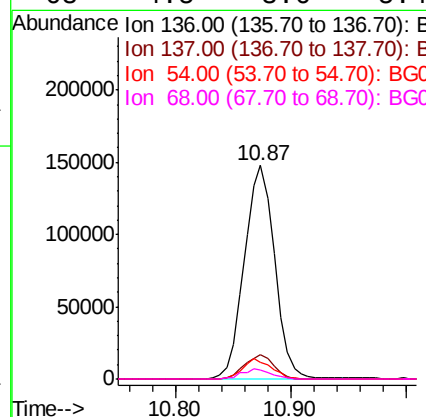
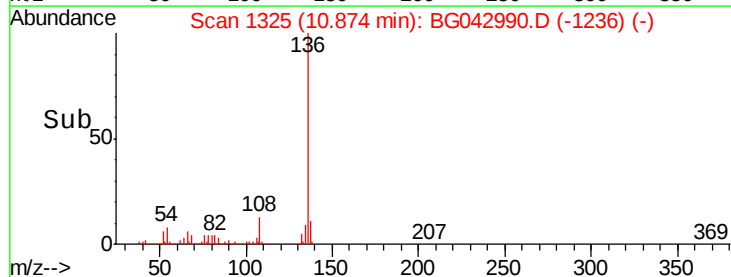
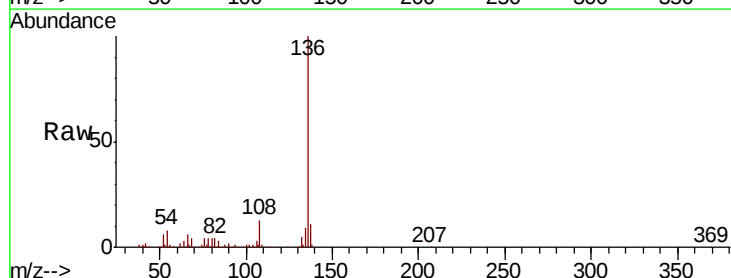
Instrument :
BNA_G
ClientSampleId :
MW-106S

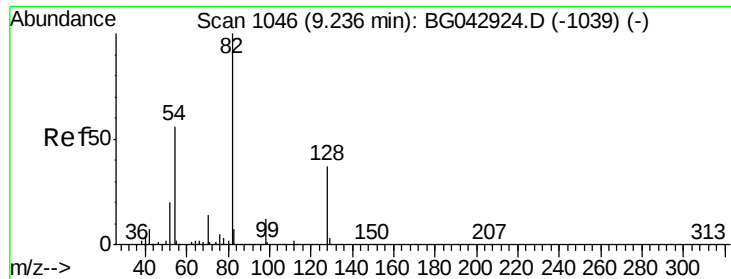
Tot Ion: 70 Resp: 70356
Ion Ratio Lower Upper
70 100
42 49.4 52.6 79.0#
101 0.0 8.7 13.1#
130 0.9 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Tgt Ion: 136 Resp: 270596
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 7.5 7.4 11.2
68 4.5 3.6 5.4

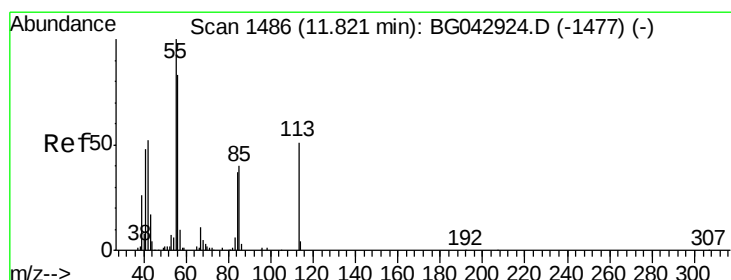
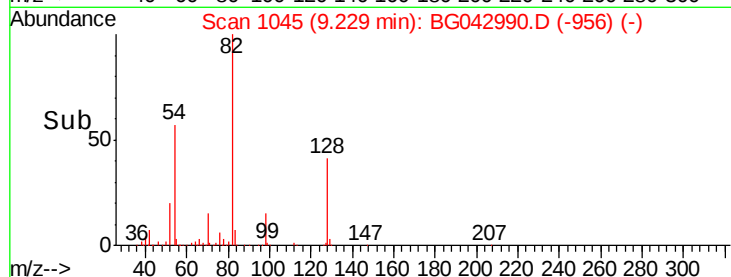
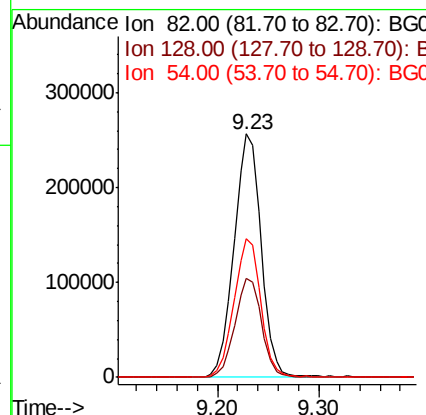
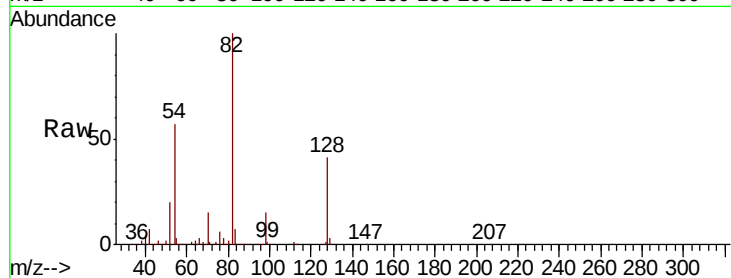




#23
Nitrobenzene-d5
Concen: 85.484 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

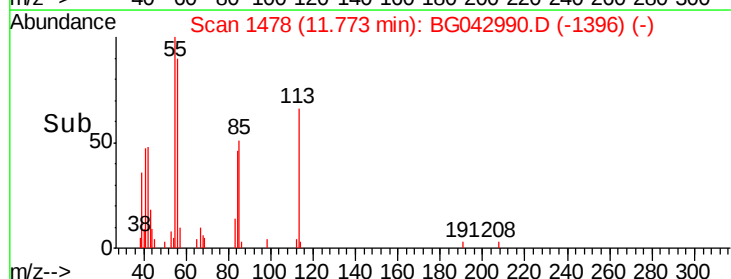
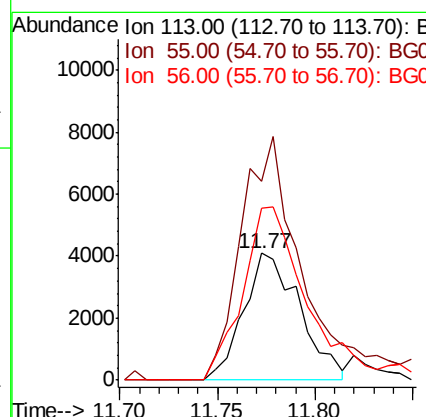
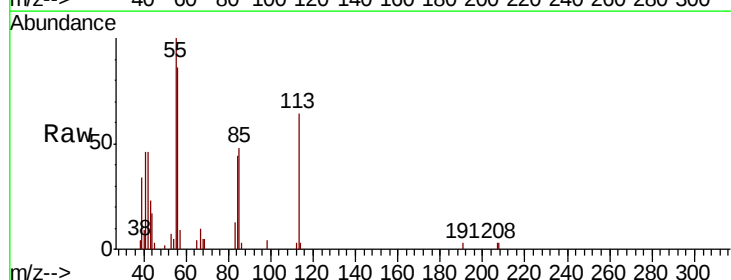
Instrument :
BNA_G
ClientSampleId :
MW-106S

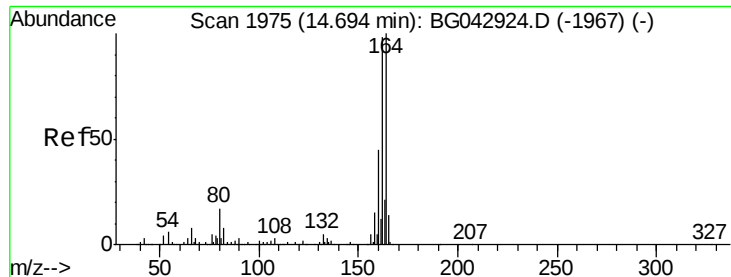
Tot Ion	82	Resp	475907
Ion Ratio	Lower	Upper	
82	100		
128	40.8	29.5	44.3
54	56.8	44.6	67.0



#35
Caprolactam
Concen: 5.355 ng
RT: 11.77 min Scan# 1478
Delta R.T. -0.05 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Tgt Ion	113	Resp	8154
Ion Ratio	Lower	Upper	
113	100		
55	157.2	175.5	215.5#
56	135.9	142.3	182.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

Instrument :

BNA_G

ClientSampleId :

MW-106S

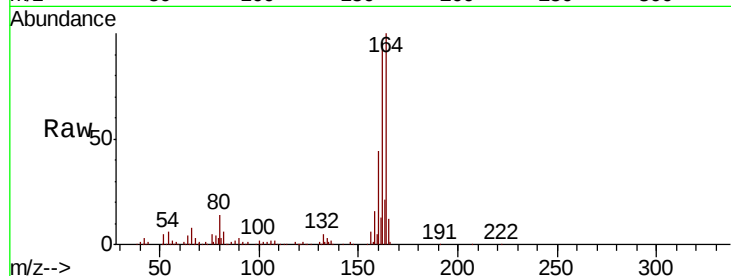
Tot Ion:164 Resp: 190402

Ion Ratio Lower Upper

164 100

162 96.2 78.5 117.7

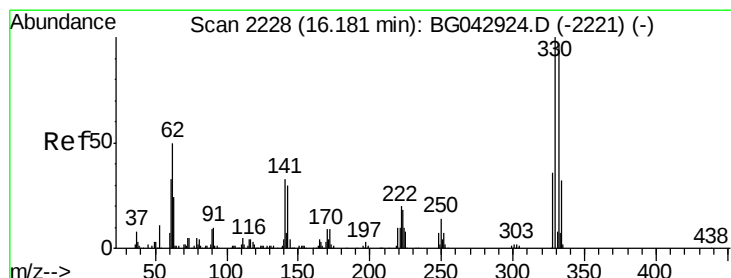
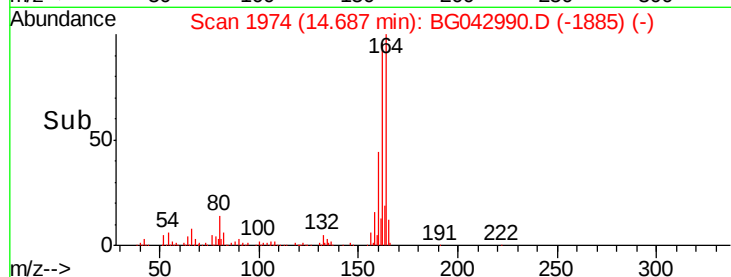
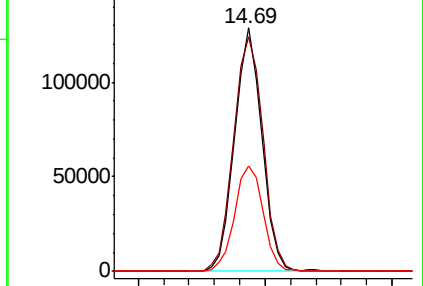
160 43.5 35.9 53.9



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: 135.086 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

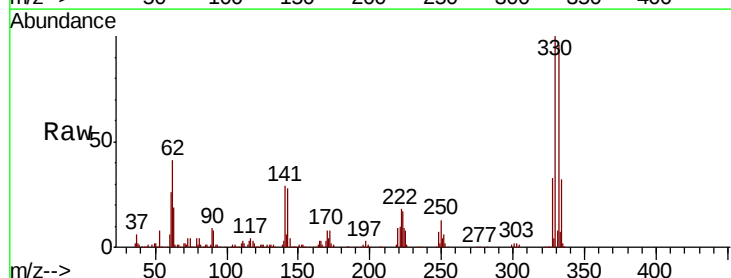
Tgt Ion:330 Resp: 442283

Ion Ratio Lower Upper

330 100

332 96.4 78.2 117.2

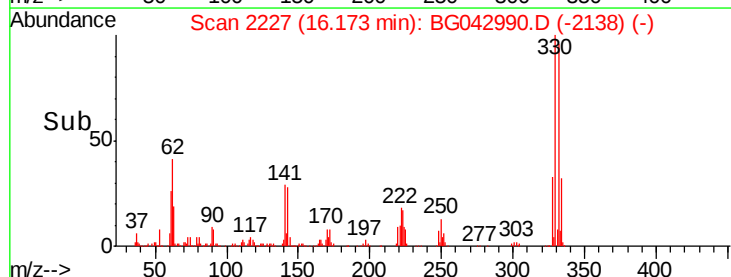
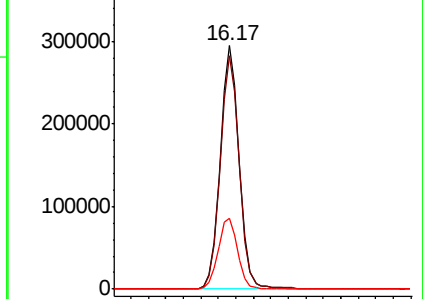
141 30.0 26.0 39.0

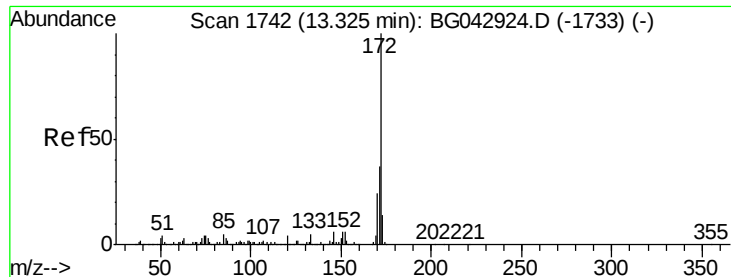


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

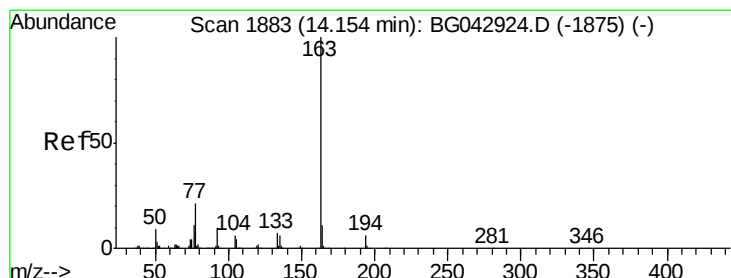
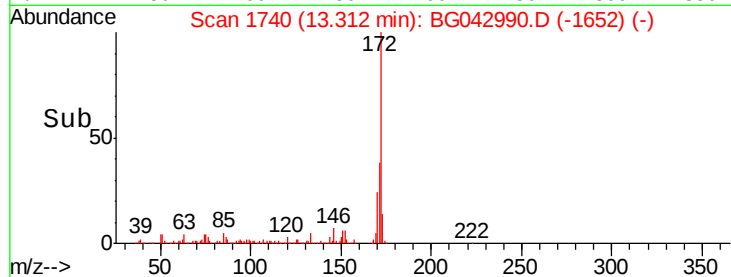
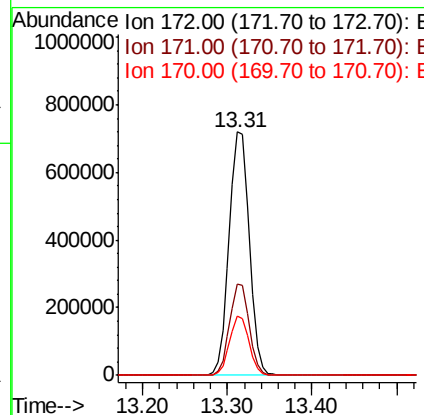
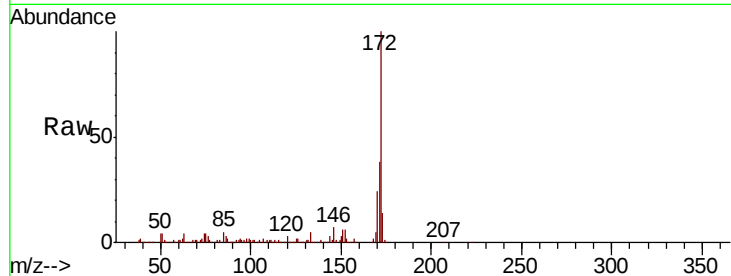




#45
2-Fluorobiphenyl
Concen: 90.633 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

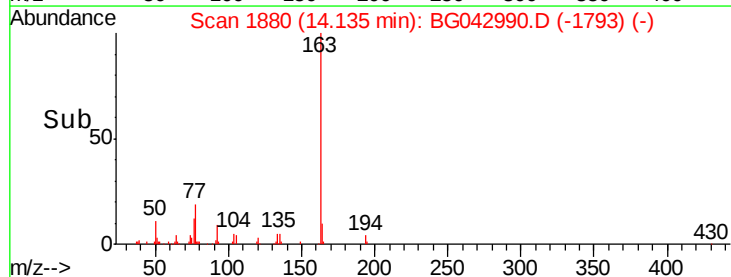
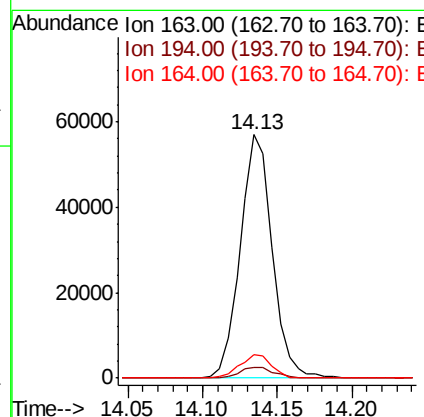
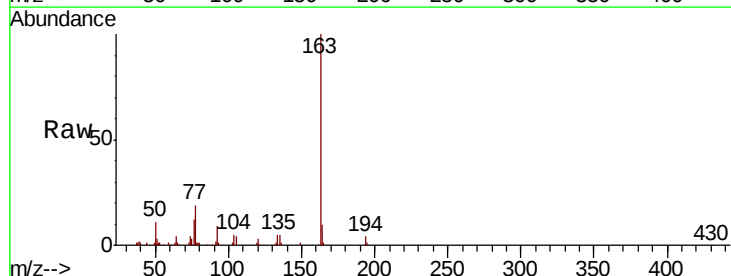
Instrument :
BNA_G
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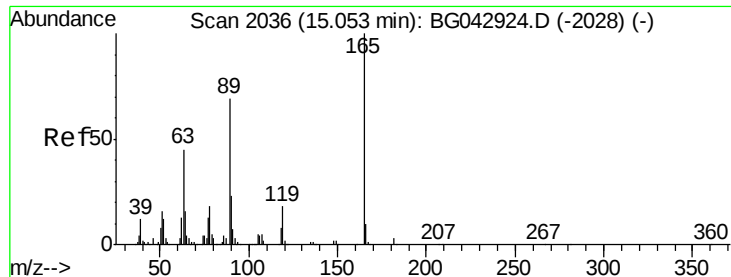
Tot Ion:172 Resp: 1190372
Ion Ratio Lower Upper
172 100
171 37.6 29.6 44.4
170 24.2 19.6 29.4



#50
Dimethylphthalate
Concen: 5.928 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Tgt Ion:163 Resp: 84575
Ion Ratio Lower Upper
163 100
194 4.1 4.4 6.6#
164 9.6 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.801 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

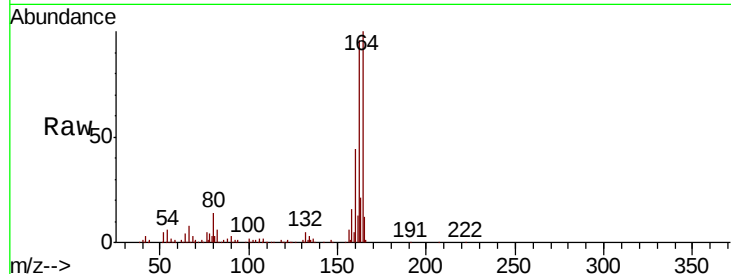
Instrument :

BNA_G

ClientSampleId :

MW-106S

Tot Ion:165	Resp:	25807
Ion Ratio	Lower	Upper
165	100	
63	1.9	36.5 54.7#
89	0.0	55.5 83.3#
182	0.0	2.4 3.6#



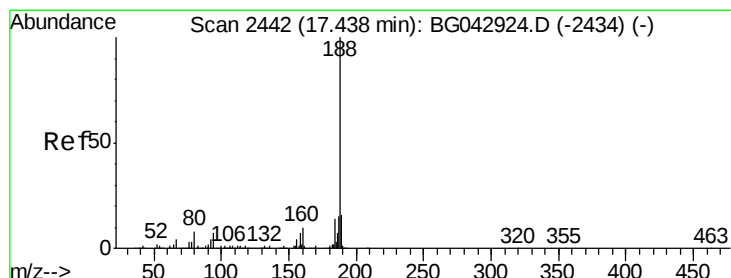
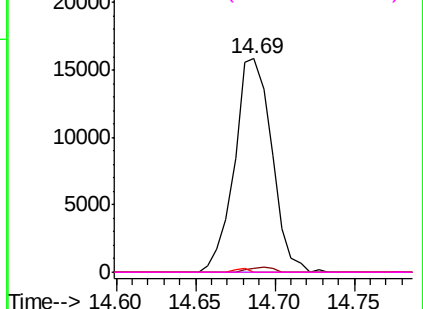
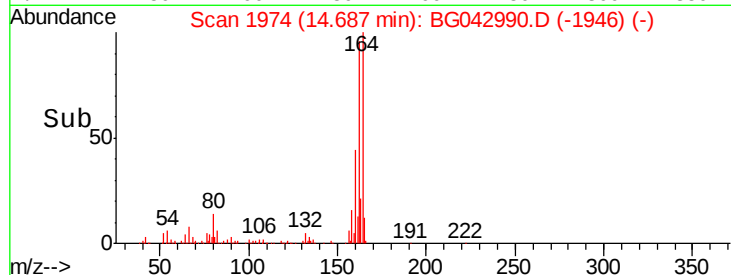
Abundance

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

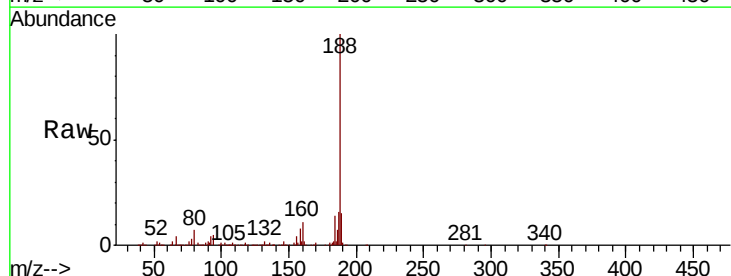
RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

Tgt Ion:188	Resp:	431293
Ion Ratio	Lower	Upper
188	100	
94	5.1	5.7 8.5#
80	6.7	6.5 9.7

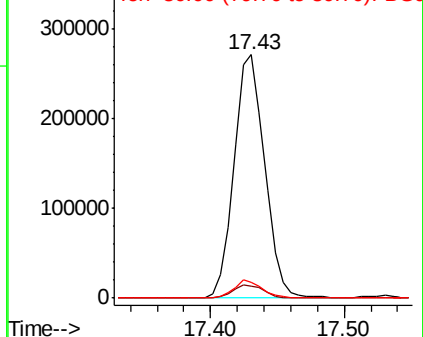
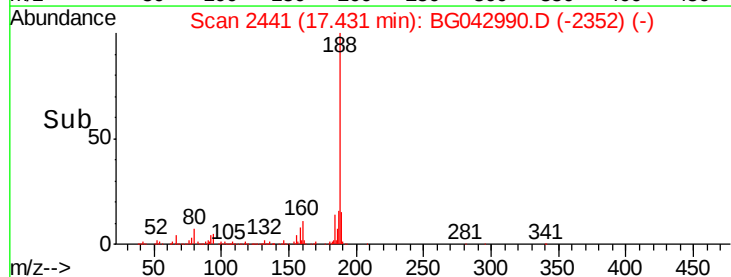


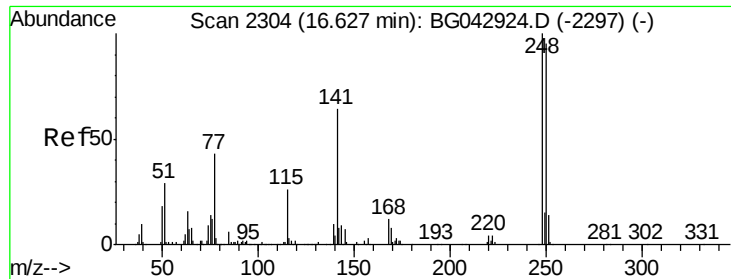
Abundance

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

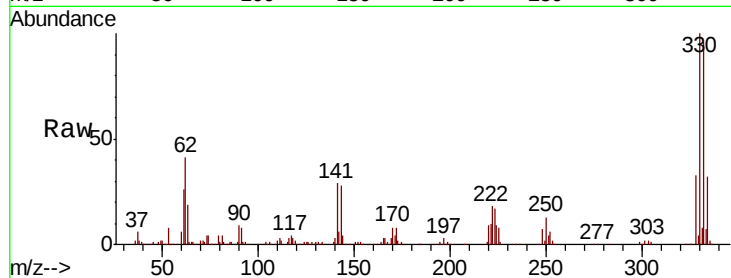




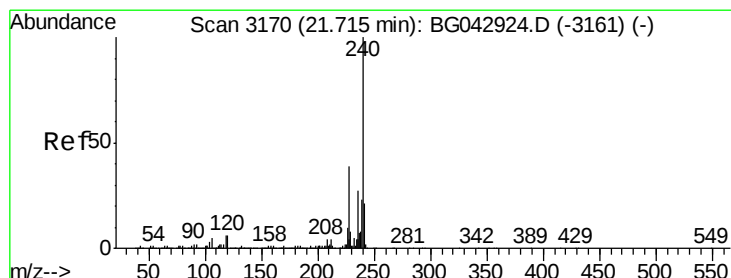
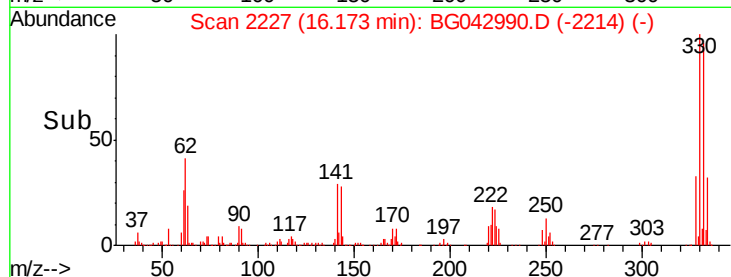
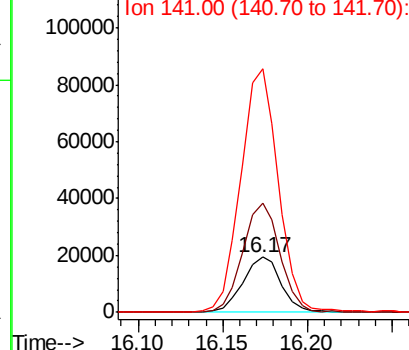
#67
 4-Bromophenyl-phenylether
 Concen: 5.580 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG042990.D
 Acq: 2 Oct 2019 18:27

Instrument :
 BNA_G
 ClientSampled :
 MW-106S

Tot Ion:248 Resp: 30206
 Ion Ratio Lower Upper
 248 100
 250 198.4 75.8 113.8#
 141 441.2 51.1 76.7#

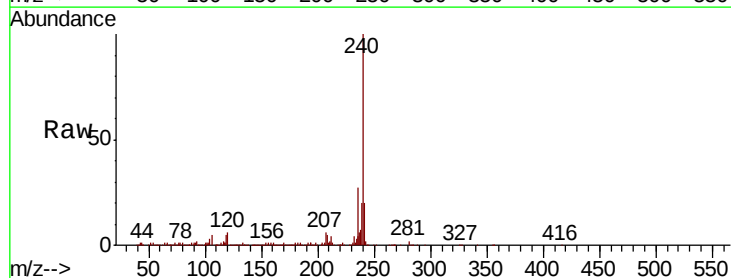


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

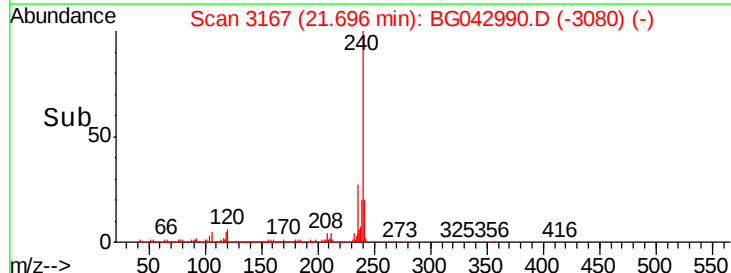
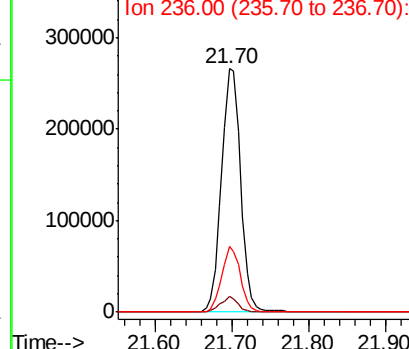


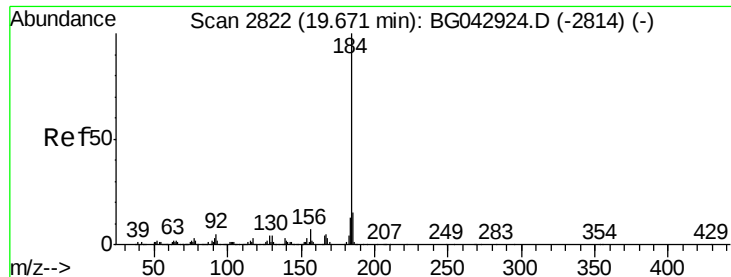
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG042990.D
 Acq: 2 Oct 2019 18:27

Tgt Ion:240 Resp: 457869
 Ion Ratio Lower Upper
 240 100
 120 6.3 4.8 7.2
 236 27.2 21.4 32.0



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: 2.997 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

Instrument :

BNA_G

ClientSampleId :

MW-106S

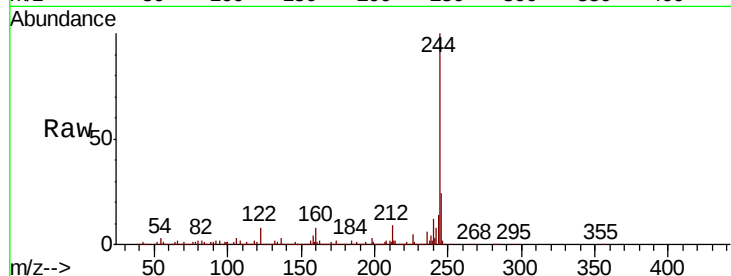
Tot Ion:184 Resp: 34357

Ion Ratio Lower Upper

184 100

185 13.5 11.8 17.8

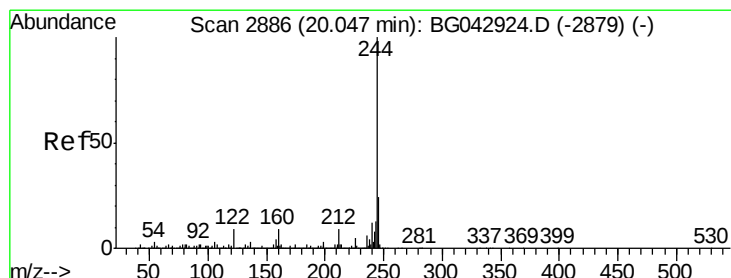
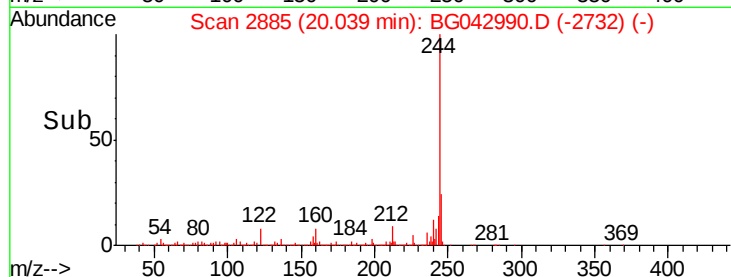
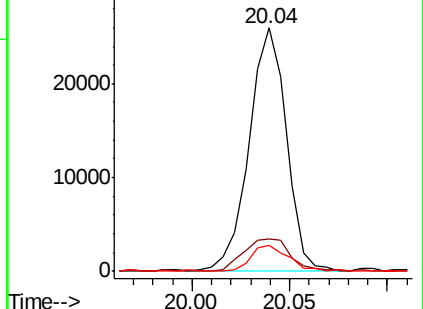
183 10.9 10.1 15.1



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: 96.875 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042990.D

Acq: 2 Oct 2019 18:27

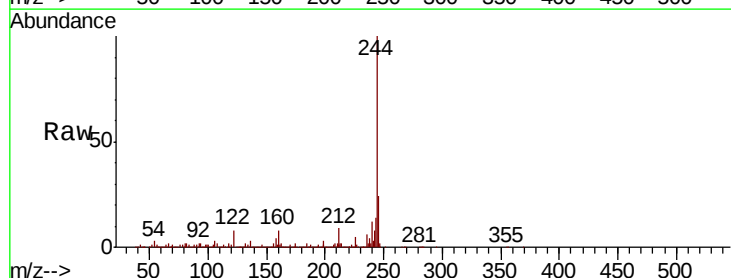
Tgt Ion:244 Resp: 2081582

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

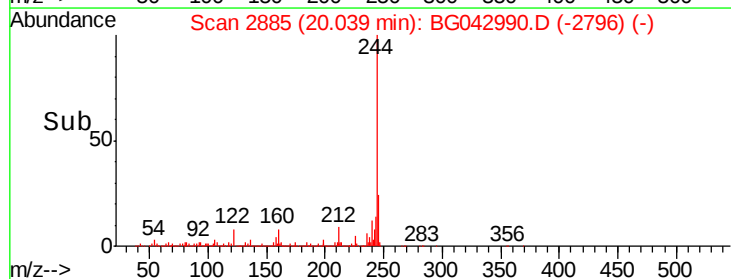
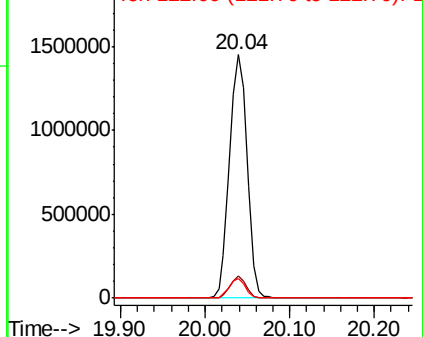
122 8.2 7.0 10.4

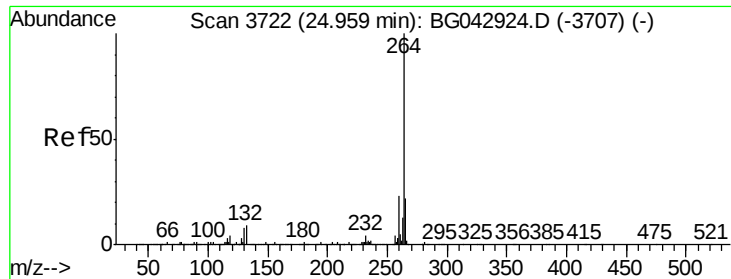


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

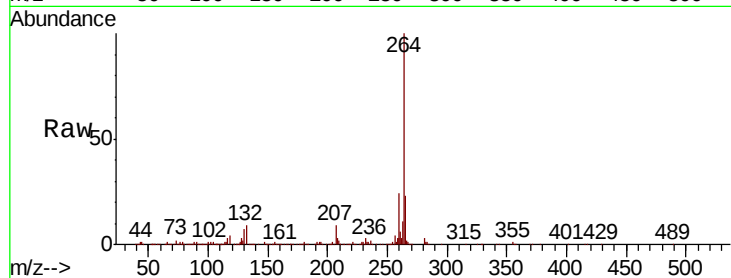




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.04 min
Lab File: BG042990.D
Acq: 2 Oct 2019 18:27

Instrument :
BNA_G
ClientSampleId :
MW-106S

Tot Ion:	264	Resp:	535028
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.7	17.7	26.5



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

