

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041099.D
 Acq On : 7 Jun 2019 13:30
 Operator : HP/JU
 Sample : K3203-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-190604

Quant Time: Jun 08 06:57:57 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

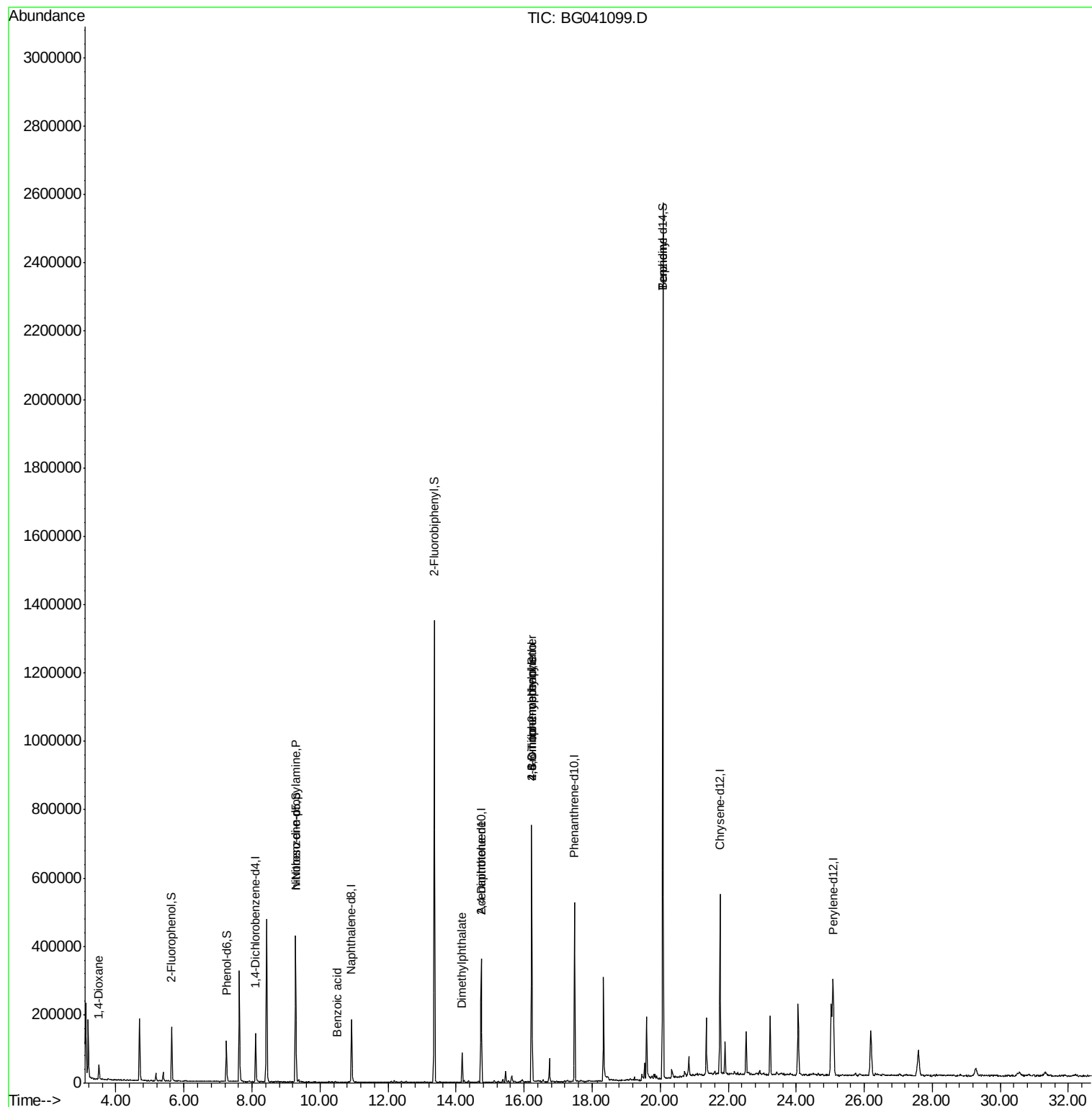
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	36043	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	150867	20.00	ng	-0.03
39) Acenaphthene-d10	14.74	164	124232	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	318200	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	314676	20.00	ng	-0.03
87) Perylene-d12	25.08	264	332488	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	62363	31.20	ng	-0.02
7) Phenol-d6	7.25	99	67914	22.00	ng	-0.02
23) Nitrobenzene-d5	9.29	82	265155	78.02	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	132513	71.85	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	675206	78.27	ng	-0.03
79) Terphenyl-d14	20.08	244	1225606	82.66	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.50	88	23425	25.826	ng	95
19) n-Nitroso-di-n-propylamine	9.28	70	37457	15.767	ng	# 82
32) Benzoic acid	10.51	122	56	8.155	ng	# 1
50) Dimethylphthalate	14.17	163	60220	5.726	ng	100
57) 2,4-Dinitrotoluene	14.74	165	15263	4.765	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	328	8.747	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	9373	2.183	ng	# 1
77) Benzidine	20.07	184	20856	2.778	ng	# 92

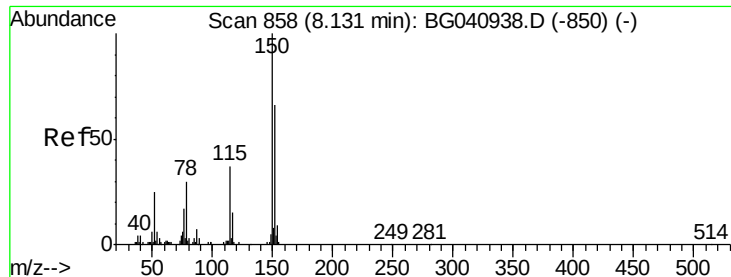
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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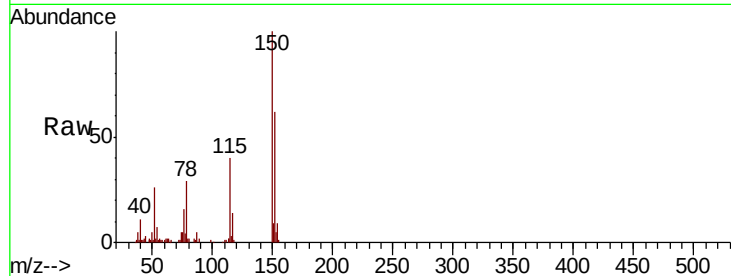


#1

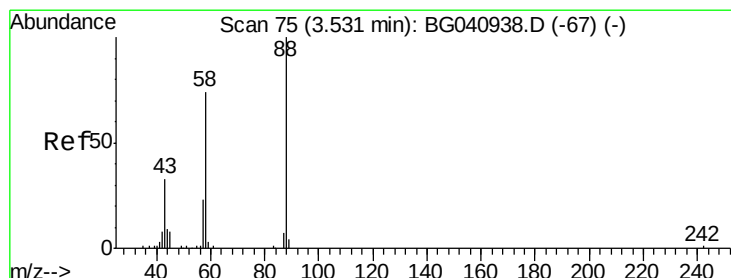
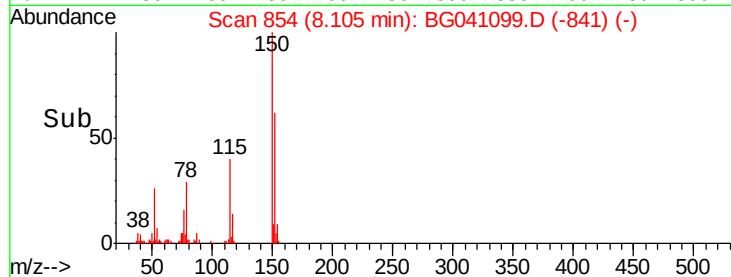
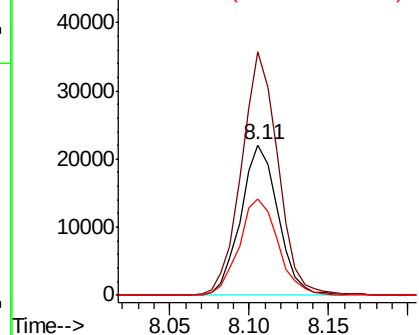
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Instrument :
BNA_G
ClientSampleId :
LF001MW003-190604

Tgt Ion:152 Resp: 36043
Ion Ratio Lower Upper
152 100
150 161.4 120.6 180.8
115 64.2 45.1 67.7



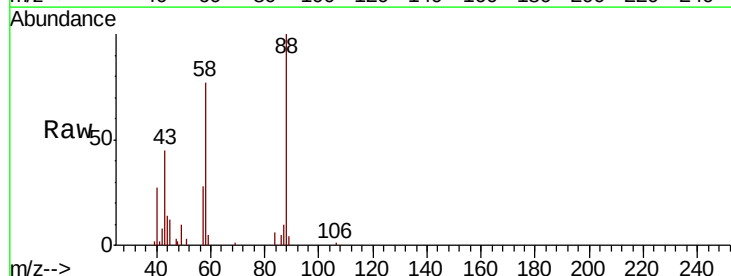
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



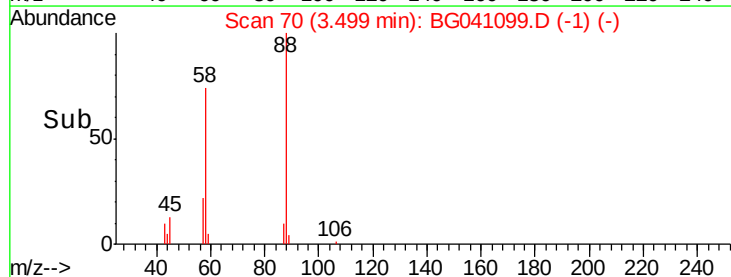
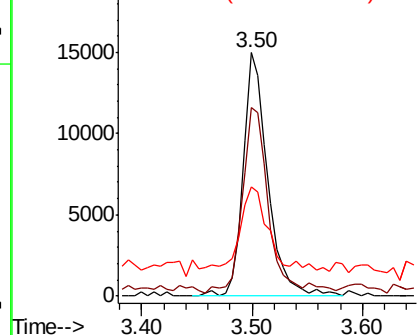
#2

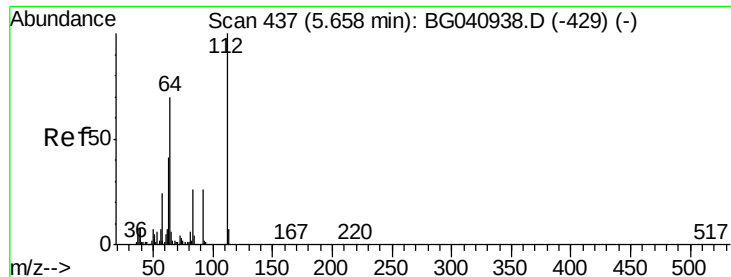
1,4-Dioxane
Concen: 25.826 ng
RT: 3.50 min Scan# 70
Delta R.T. -0.03 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Tgt Ion: 88 Resp: 23425
Ion Ratio Lower Upper
88 100
58 78.1 59.0 88.6
43 36.4 27.2 40.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 31.200 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

Instrument :

BNA_G

ClientSampleId :

LF001MW003-190604

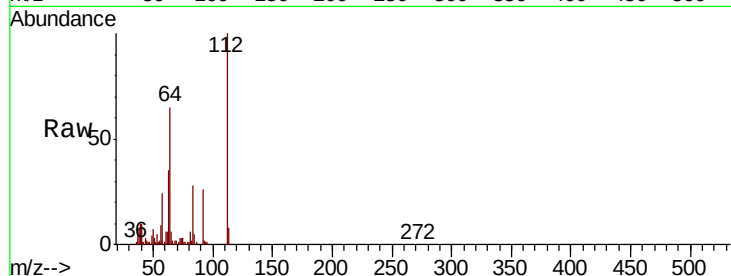
Tgt Ion: 112 Resp: 62363

Ion Ratio Lower Upper

112 100

64 65.2 56.2 84.2

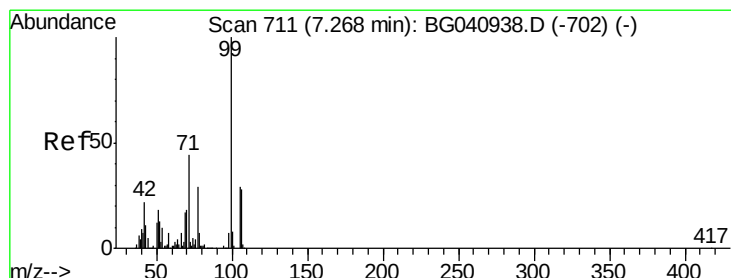
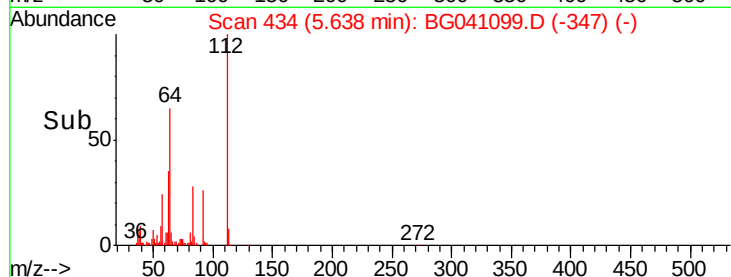
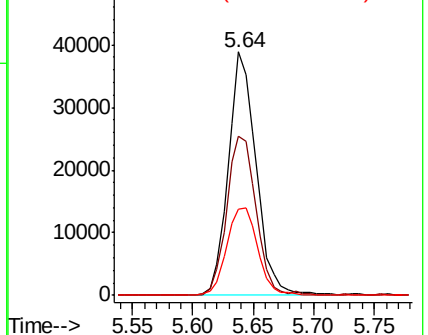
63 35.2 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 22.000 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

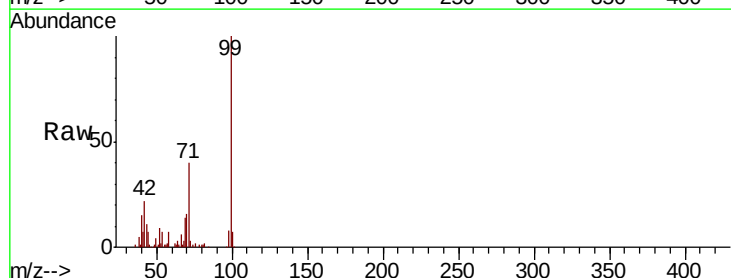
Tgt Ion: 99 Resp: 67914

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

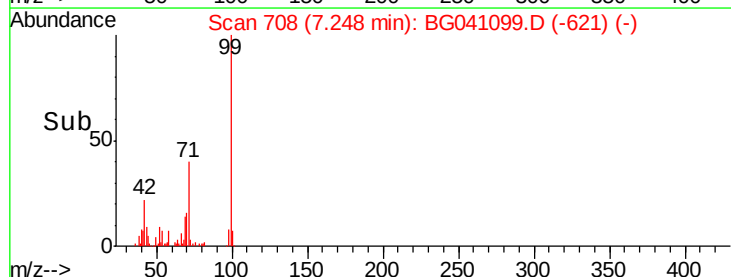
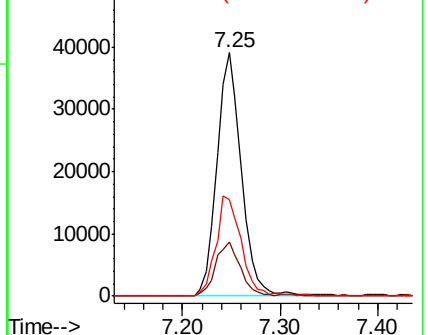
71 39.8 35.4 53.0

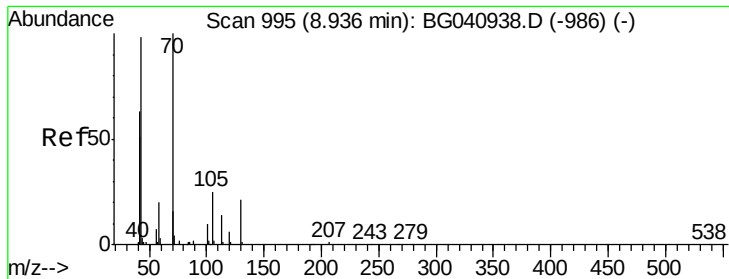


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

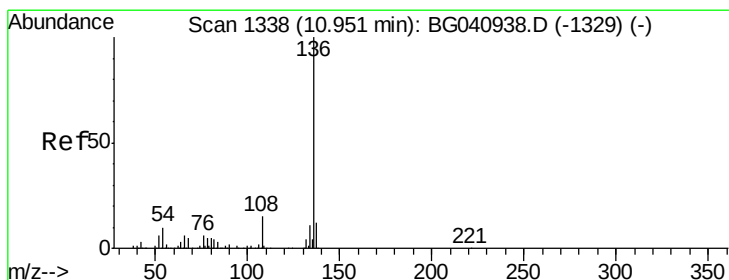
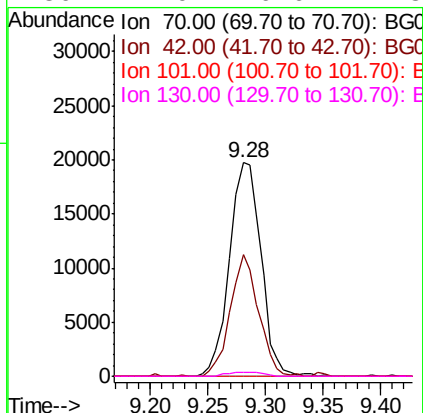
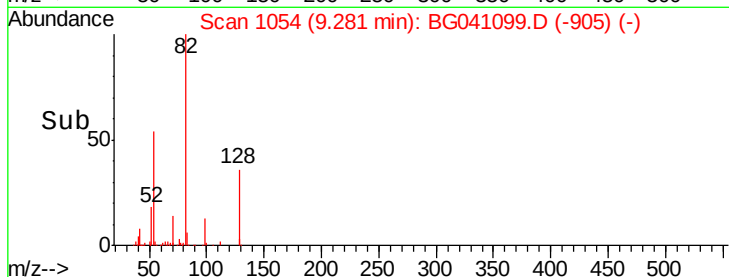
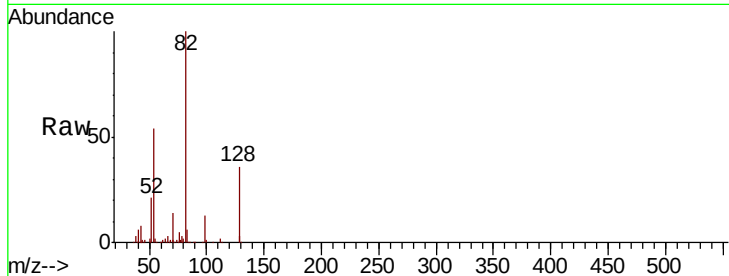




#19
n-Nitroso-di-n-propylamine
Concen: 15.767 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.34 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

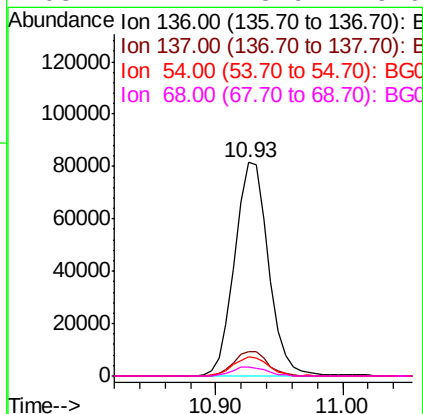
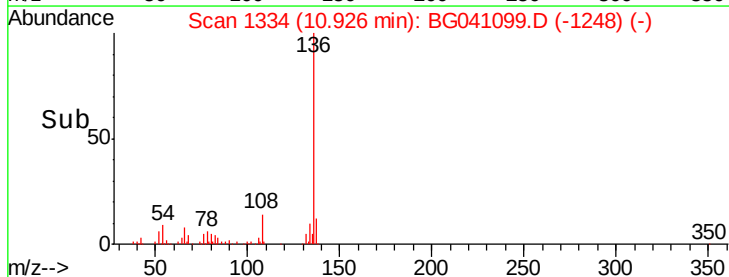
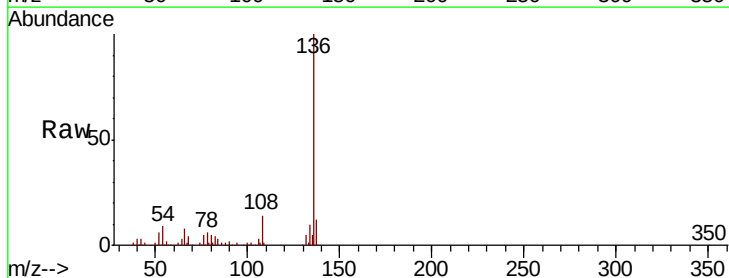
Instrument :
BNA_G
ClientSampleId :
LF001MW003-190604

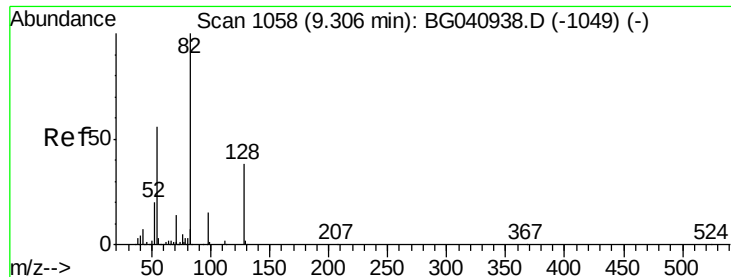
Tgt Ion:	70	Resp:	37457
Ion	Ratio	Lower	Upper
70	100		
42	57.1	51.5	77.3
101	0.0	8.1	12.1#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Tgt Ion:	136	Resp:	150867
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	9.2	7.6	11.4
68	4.4	3.9	5.9

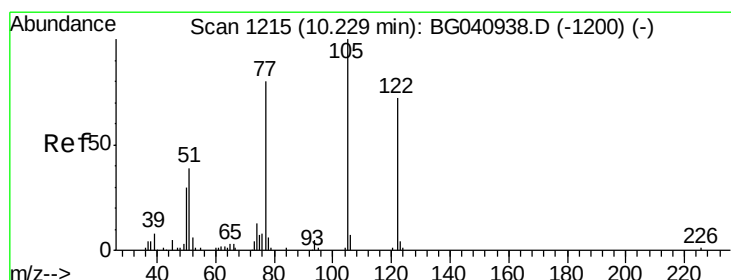
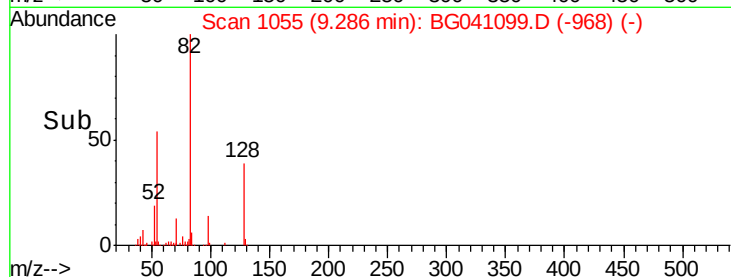
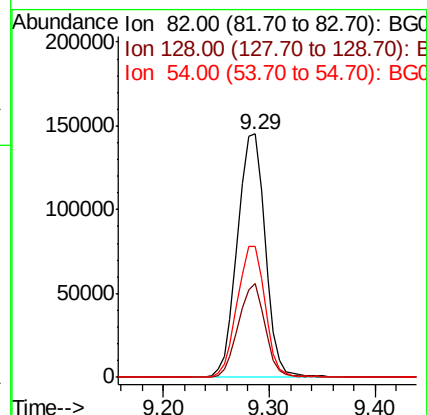
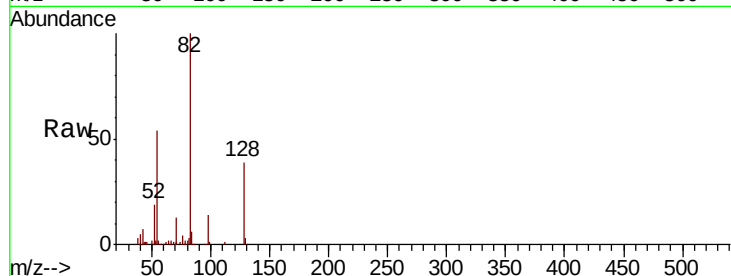




#23
Nitrobenzene-d5
Concen: 78.024 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

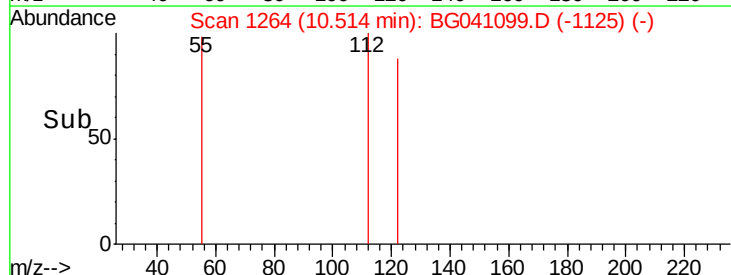
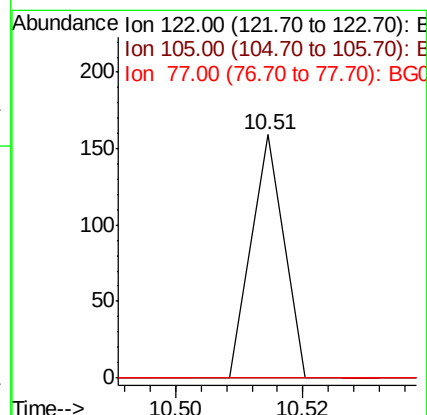
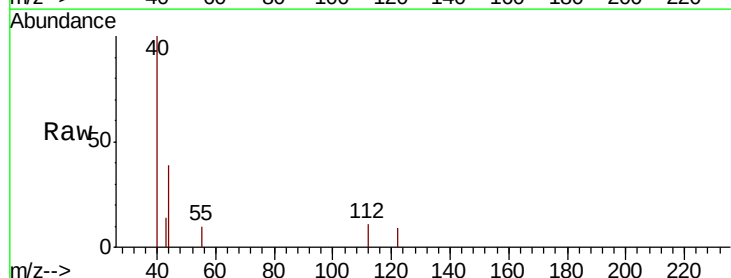
Instrument :
BNA_G
ClientSampleId :
LF001MW003-190604

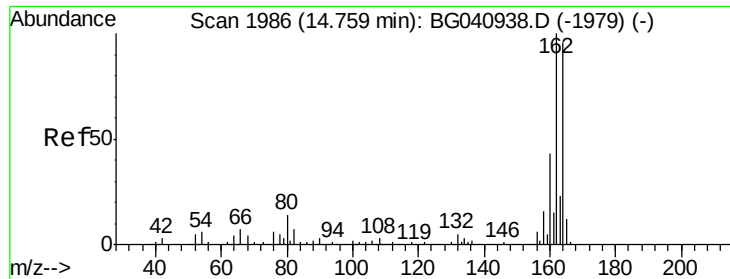
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.5	45.7
54	53.6	44.6	66.8



#32
Benzoic acid
Concen: 8.155 ng
RT: 10.51 min Scan# 1264
Delta R.T. 0.29 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

Instrument :

BNA_G

ClientSampleId :

LF001MW003-190604

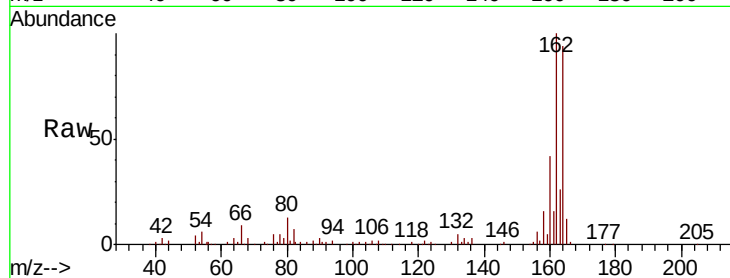
Tgt Ion:164 Resp: 124232

Ion Ratio Lower Upper

164 100

162 105.9 83.0 124.4

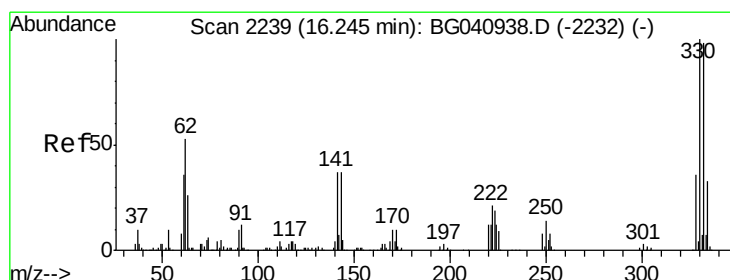
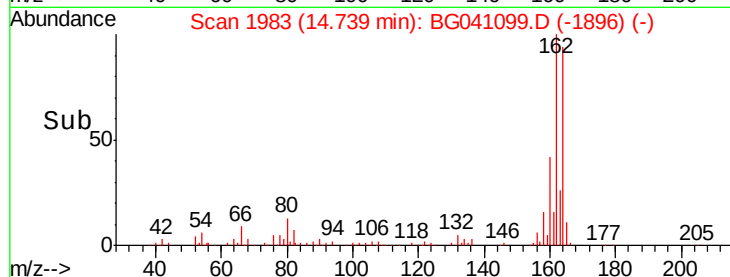
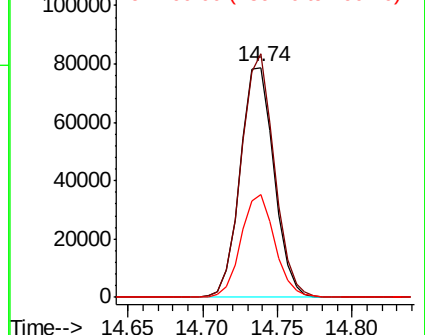
160 44.9 35.6 53.4



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: 71.850 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

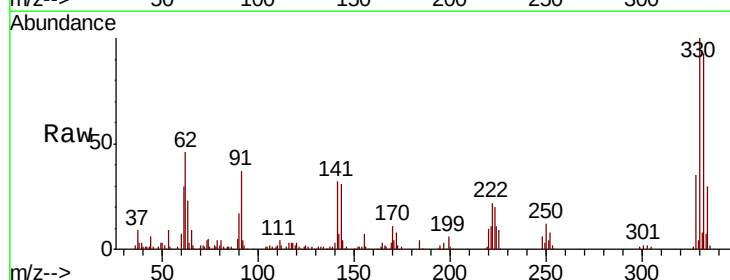
Tgt Ion:330 Resp: 132513

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

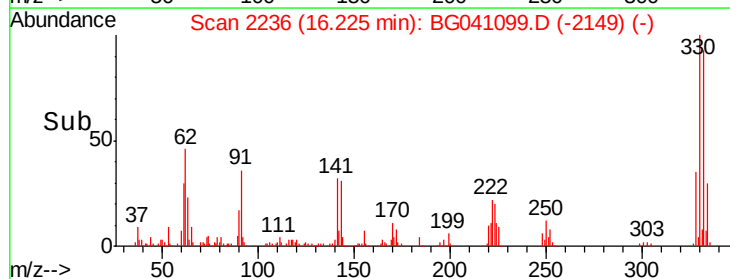
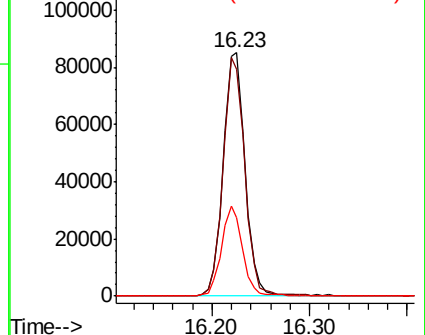
141 35.4 28.7 43.1

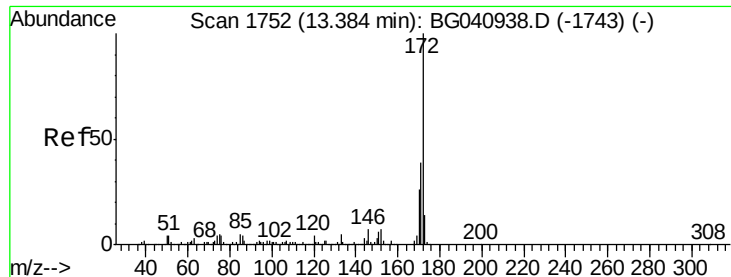


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

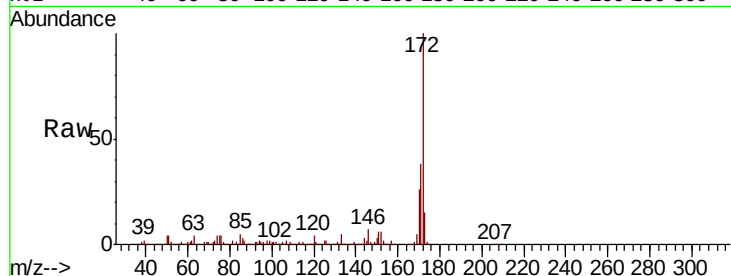




#45
2-Fluorobiphenyl
Concen: 78.270 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Instrument :
BNA_G
ClientSampleId :
LF001MW003-190604

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.1	46.7
170	25.8	20.5	30.7

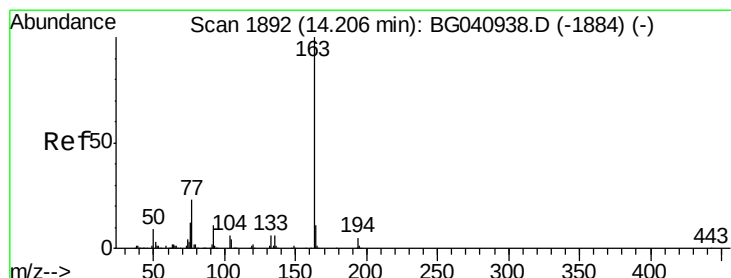
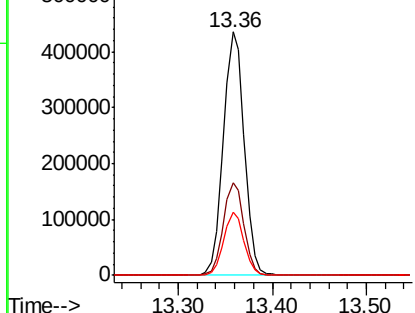
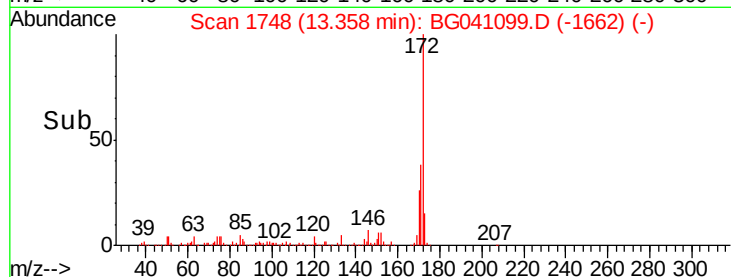


Abundance

Ion 172.00 (171.70 to 172.70): E

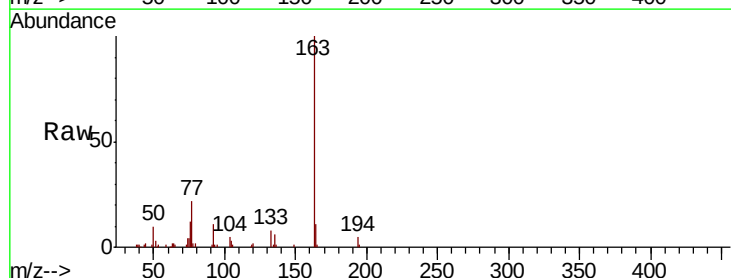
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.726 ng
RT: 14.17 min Scan# 1887
Delta R.T. -0.03 min
Lab File: BG041099.D
Acq: 7 Jun 2019 13:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.8	5.8
164	10.9	8.7	13.1

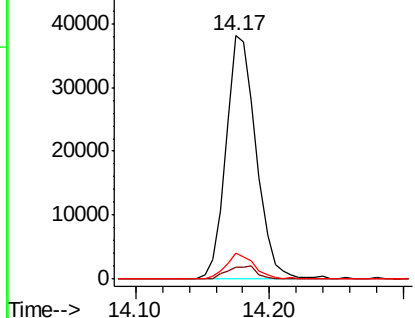
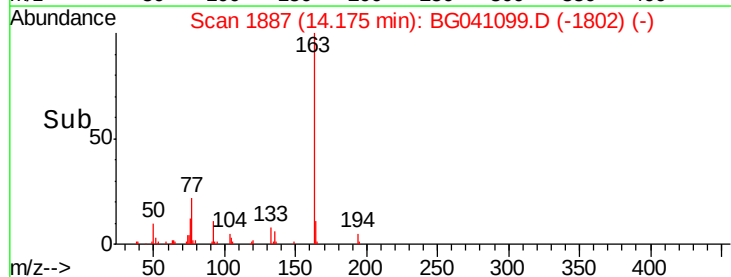


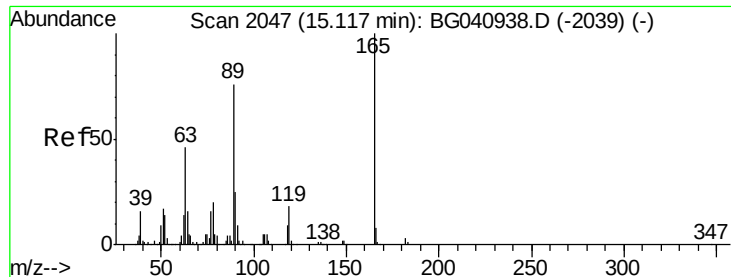
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 4.765 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.38 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

Instrument :

BNA_G

ClientSampleId :

LF001MW003-190604

Tgt Ion:165 Resp: 15263

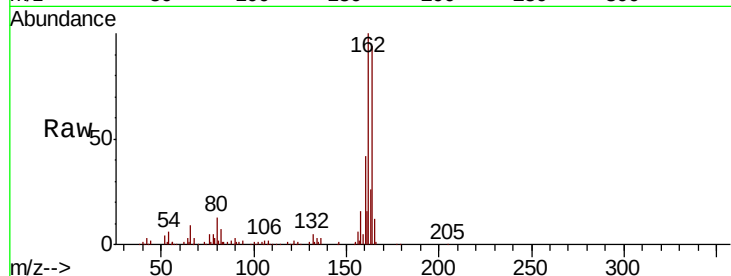
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 2.0 61.0 91.6#

182 0.0 2.2 3.2#

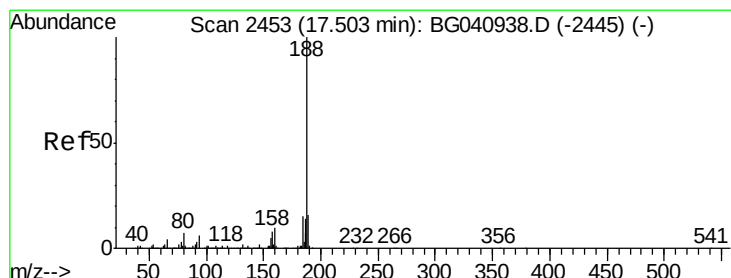
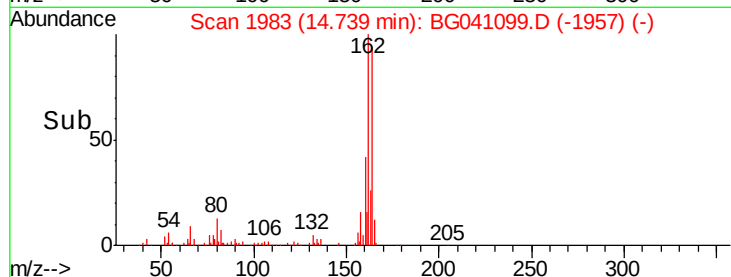
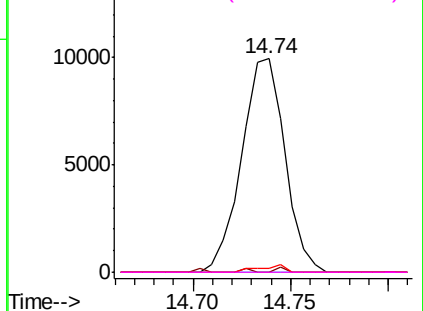


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

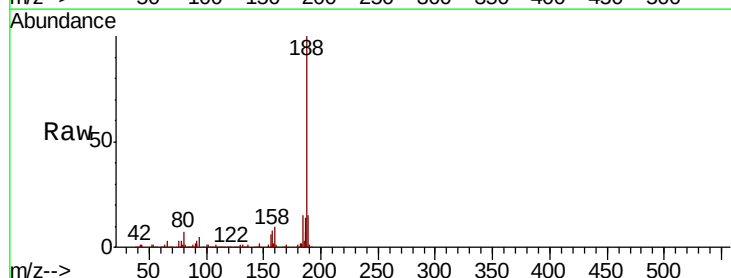
Tgt Ion:188 Resp: 318200

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

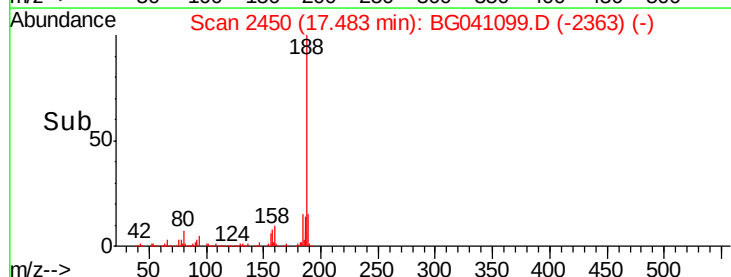
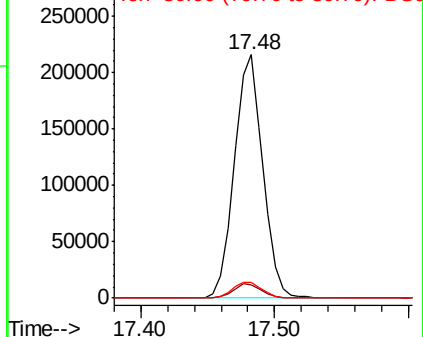
80 6.5 5.8 8.8

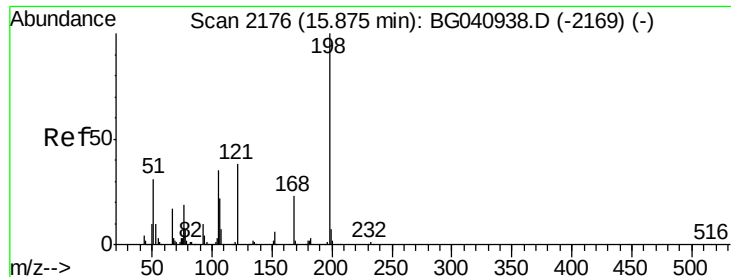


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.747 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

Instrument :

BNA_G

ClientSampleId :

LF001MW003-190604

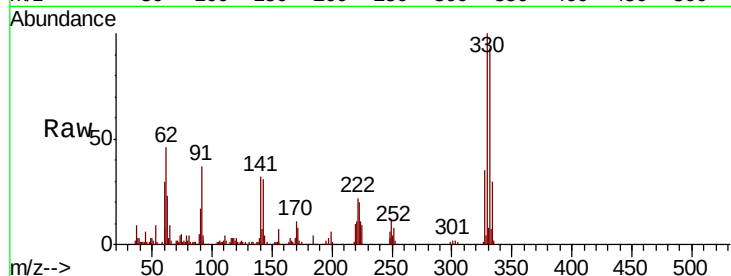
Tgt Ion:198 Resp: 328

Ion Ratio Lower Upper

198 100

51 479.2 21.6 61.6#

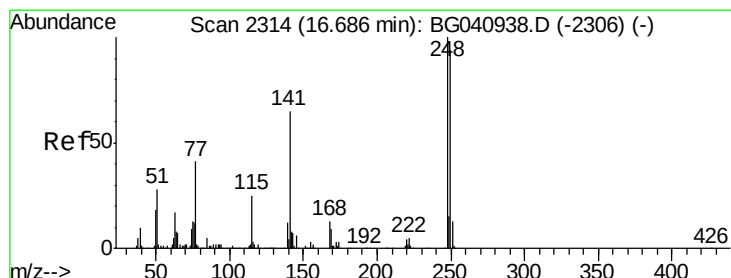
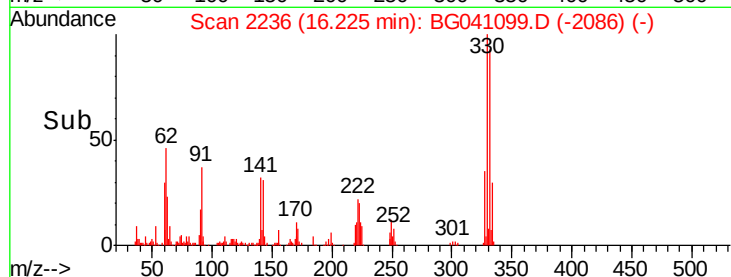
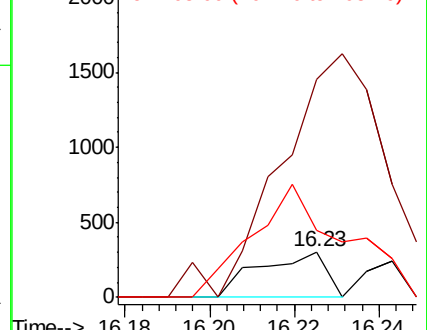
105 145.9 17.5 57.5#



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: 2.183 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.47 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

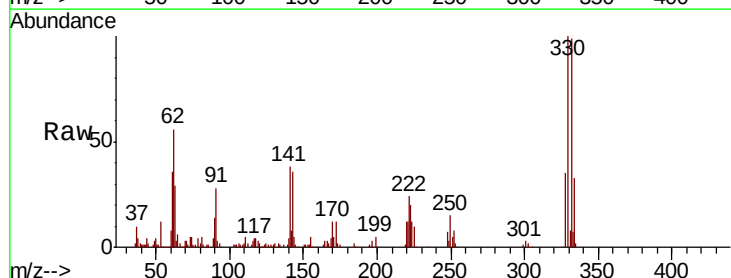
Tgt Ion:248 Resp: 9373

Ion Ratio Lower Upper

248 100

250 214.2 75.0 112.4#

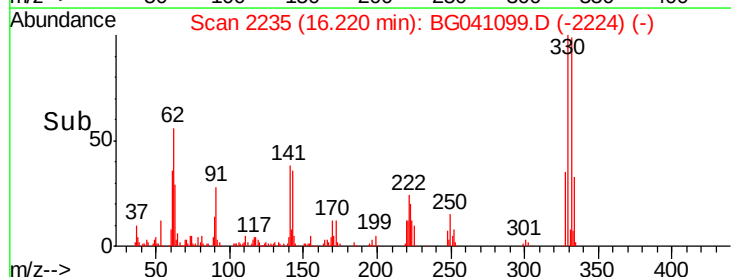
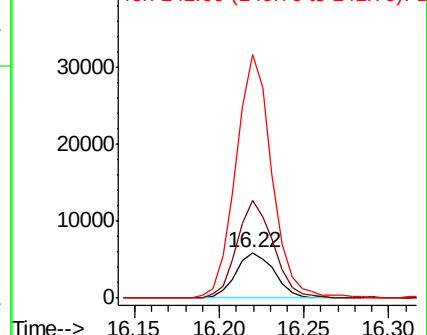
141 534.3 52.4 78.6#

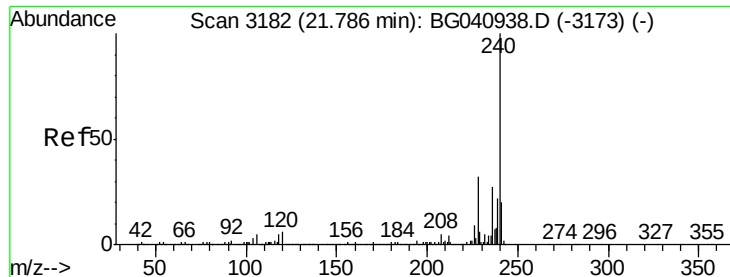


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

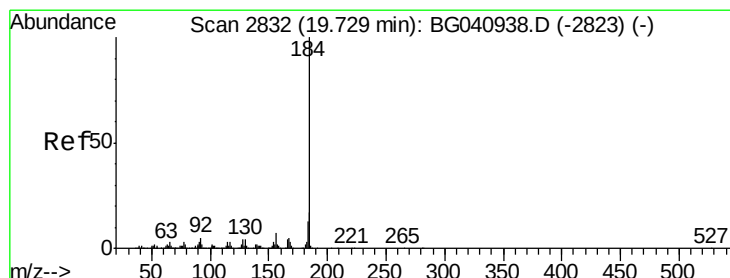
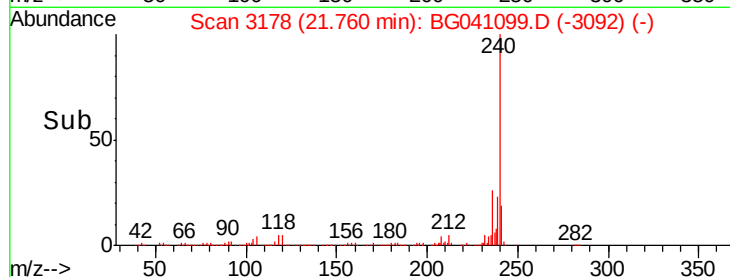
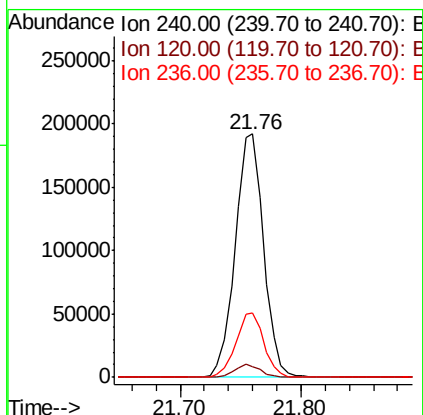
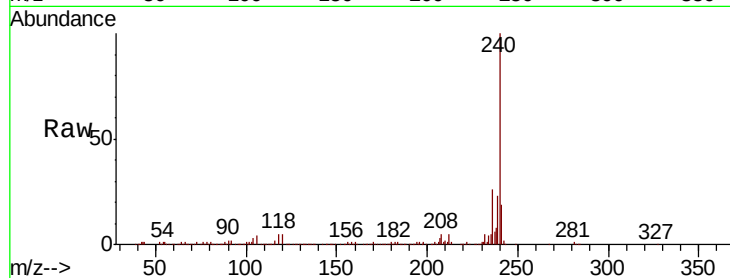




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3178
 Delta R.T. -0.03 min
 Lab File: BG041099.D
 Acq: 7 Jun 2019 13:30

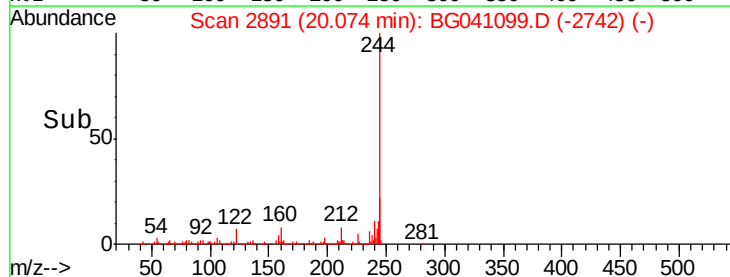
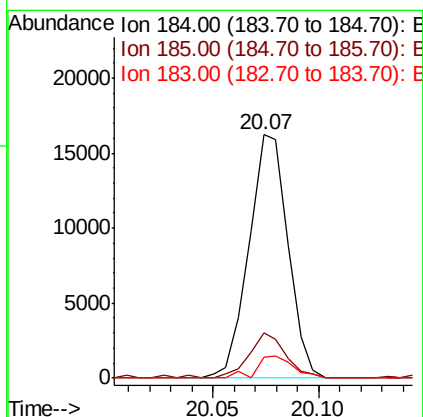
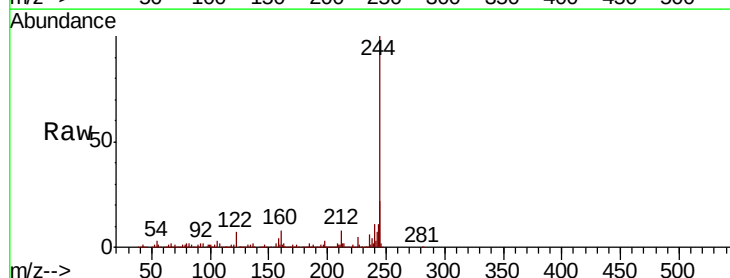
Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-190604

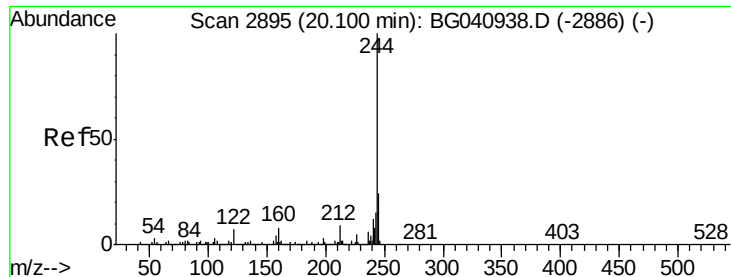
Tgt Ion: 240 Resp: 314676
 Ion Ratio Lower Upper
 240 100
 120 4.5 4.5 6.7
 236 26.2 21.3 31.9



#77
 Benzidine
 Concen: 2.778 ng
 RT: 20.07 min Scan# 2891
 Delta R.T. 0.34 min
 Lab File: BG041099.D
 Acq: 7 Jun 2019 13:30

Tgt Ion: 184 Resp: 20856
 Ion Ratio Lower Upper
 184 100
 185 18.5 13.3 19.9
 183 8.8 10.7 16.1#





#79

Terphenyl-d14

Concen: 82.661 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

Instrument :

BNA_G

ClientSampleId :

LF001MW003-190604

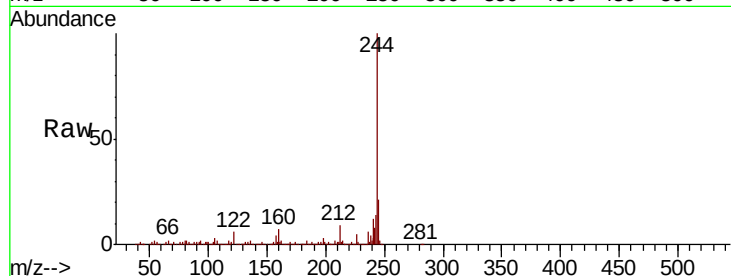
Tgt Ion:244 Resp: 1225606

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

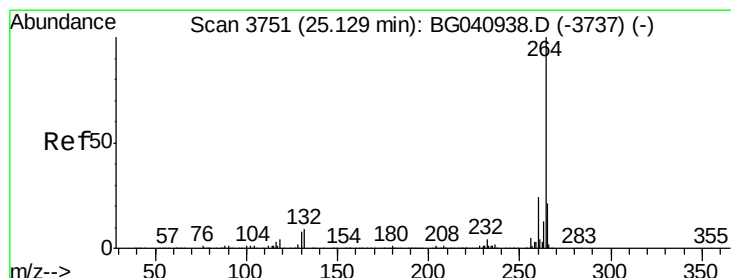
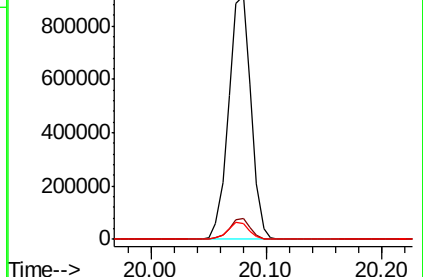
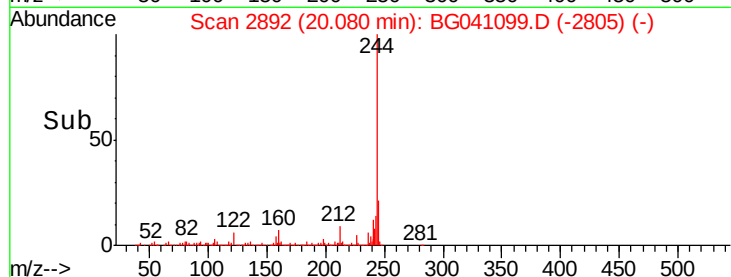
122 6.4 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041099.D

Acq: 7 Jun 2019 13:30

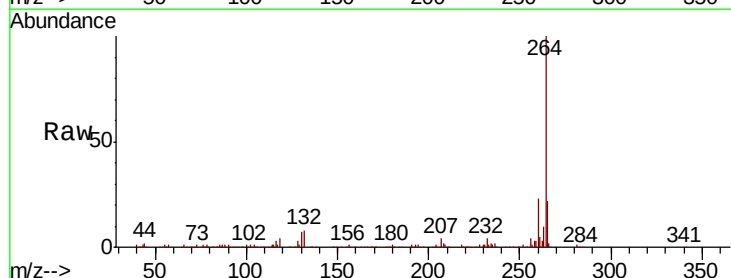
Tgt Ion:264 Resp: 332488

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 22.0 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

