

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040869.D
 Acq On : 11 May 2019 6:10
 Operator : HP/JU
 Sample : K2749-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FR-COMP

Quant Time: May 11 07:04:55 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

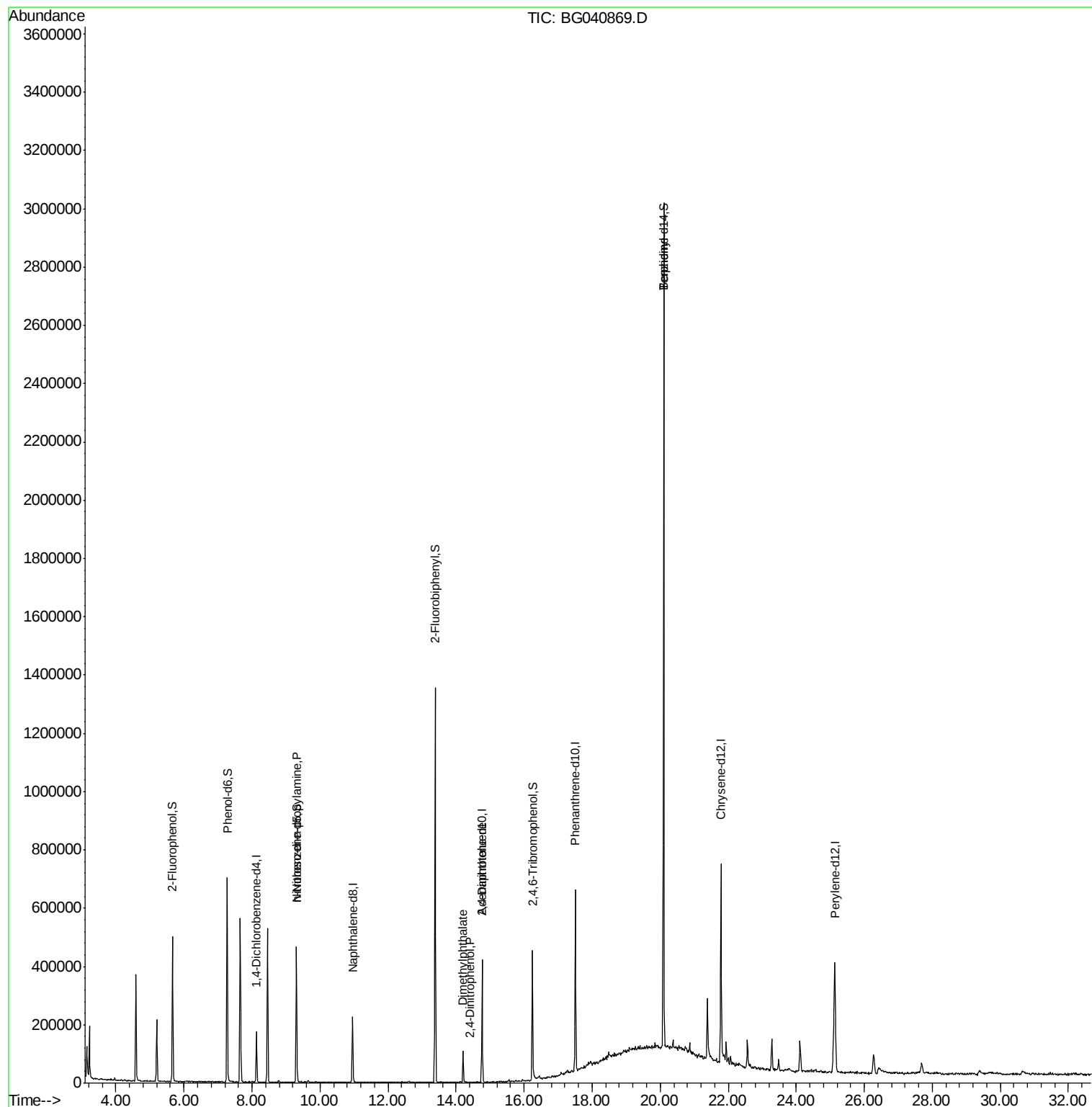
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44240	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	183634	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	139575	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	383211	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	410871	20.00	ng	-0.04
87) Perylene-d12	25.13	264	442204	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	194517	77.51	ng	-0.02
7) Phenol-d6	7.27	99	369551	95.63	ng	-0.02
23) Nitrobenzene-d5	9.31	82	278825	70.16	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	90096	46.96	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	685373	70.92	ng	-0.03
79) Terphenyl-d14	20.10	244	1372486	74.00	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.26	77	606	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	40560	11.660 ng	#	68
50) Dimethylphthalate	14.20	163	67904	5.815 ng		96
54) 2,4-Dinitrophenol	14.41	184	60	7.057 ng	#	21
57) 2,4-Dinitrotoluene	14.76	165	18308	5.911 ng	#	16
77) Benzidine	20.10	184	24458	2.174 ng	#	90

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

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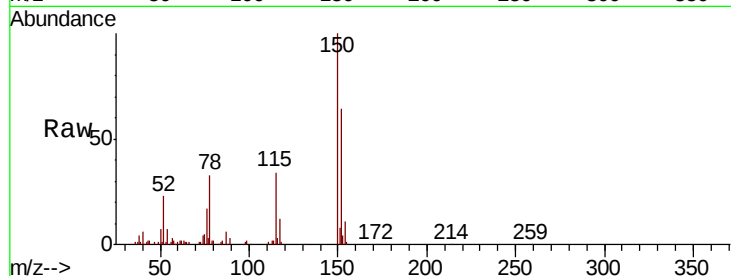


#1

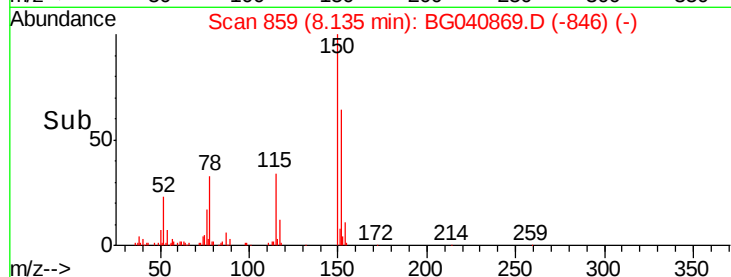
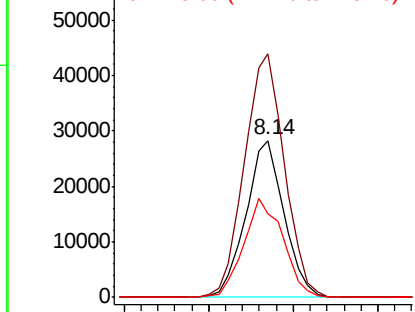
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

Instrument :
BNA_G
ClientSampleId :
FR-COMP

Tgt Ion:152 Resp: 44240
Ion Ratio Lower Upper
152 100
150 155.5 120.2 180.2
115 53.5 46.2 69.2



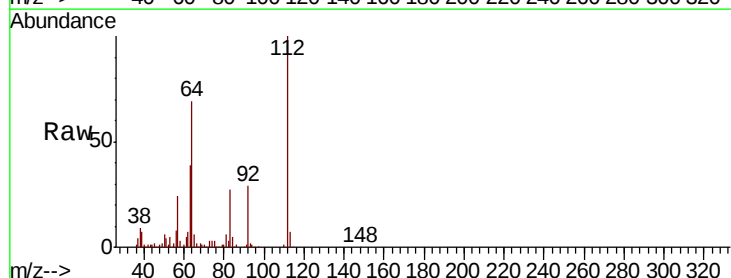
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



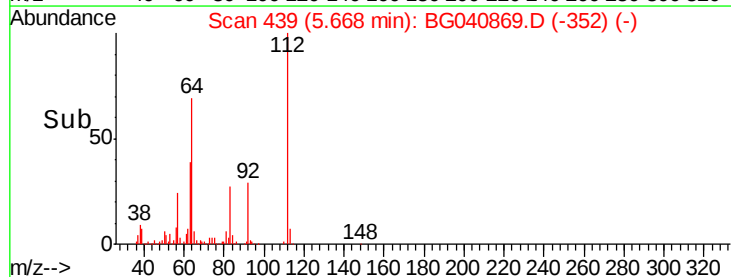
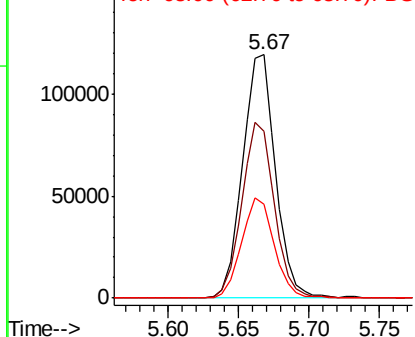
#5

2-Fluorophenol
Concen: 77.506 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

Tgt Ion:112 Resp: 194517
Ion Ratio Lower Upper
112 100
64 68.8 61.4 92.0
63 38.7 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: 95.634 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

Instrument :

BNA_G

ClientSampleId :

FR-COMP

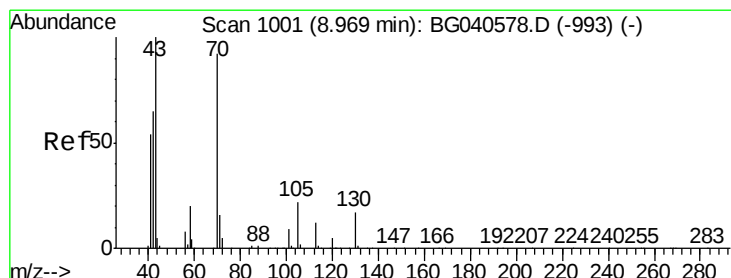
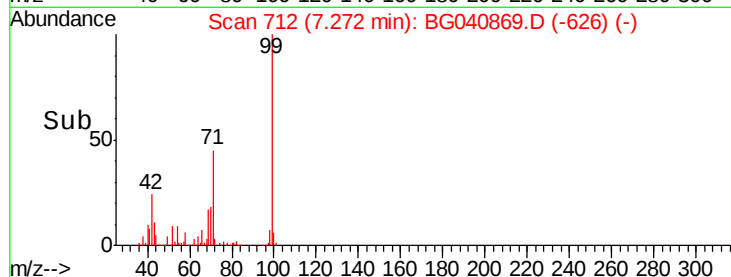
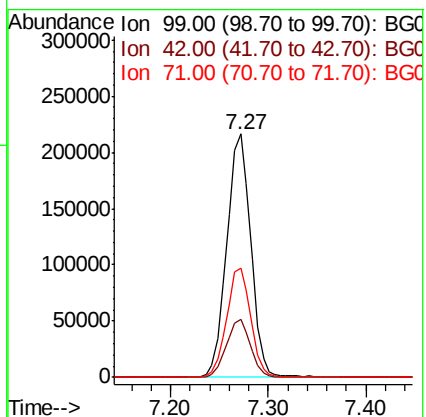
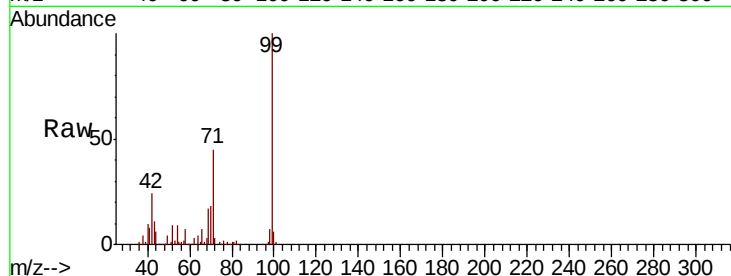
Tgt Ion: 99 Resp: 369551

Ion Ratio Lower Upper

99 100

42 23.6 21.8 32.8

71 44.7 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.660 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

Tgt Ion: 70 Resp: 40560

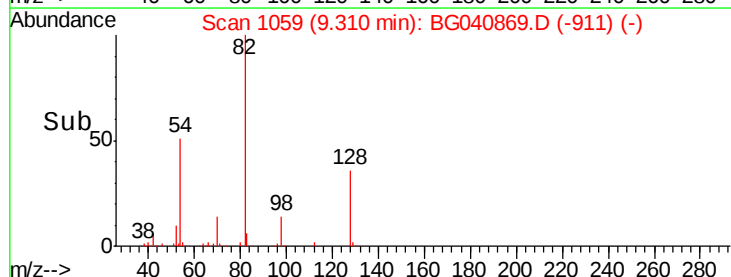
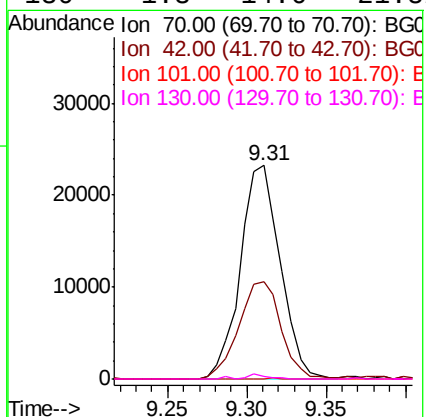
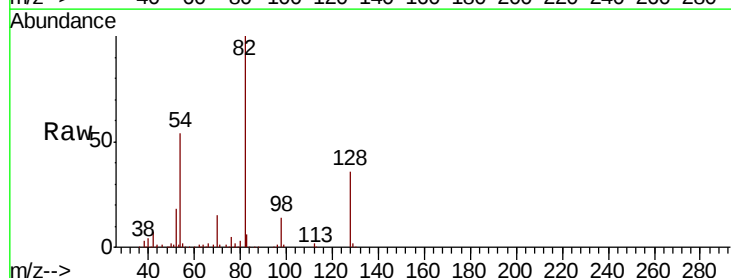
Ion Ratio Lower Upper

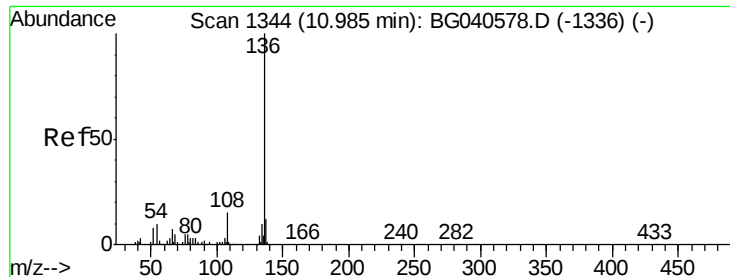
70 100

42 45.8 57.1 85.7#

101 0.0 7.8 11.8#

130 1.3 14.6 21.8#

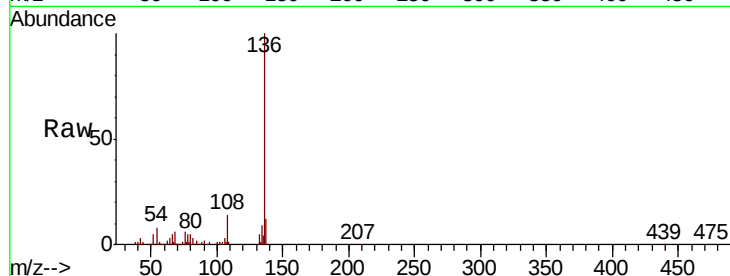




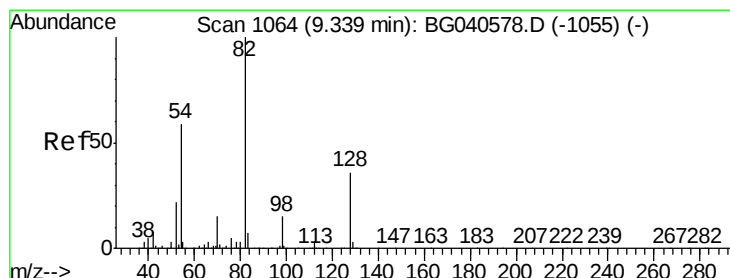
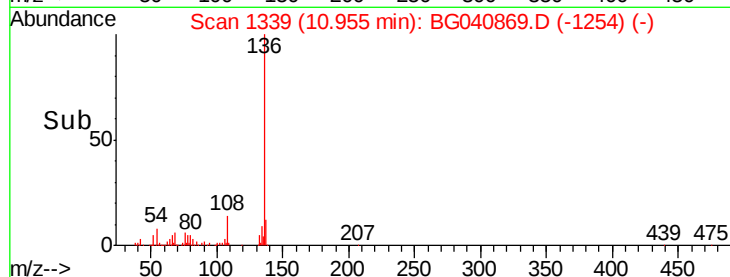
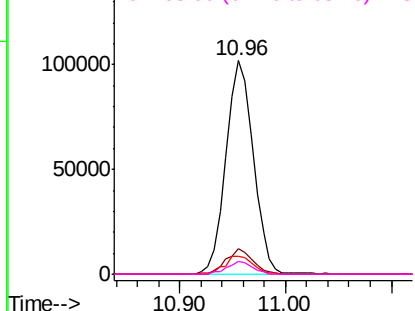
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

Instrument :
BNA_G
ClientSampleId :
FR-COMP

Tgt Ion:	136	Resp:	183634
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	8.5	8.6	12.8#
68	6.0	4.8	7.2

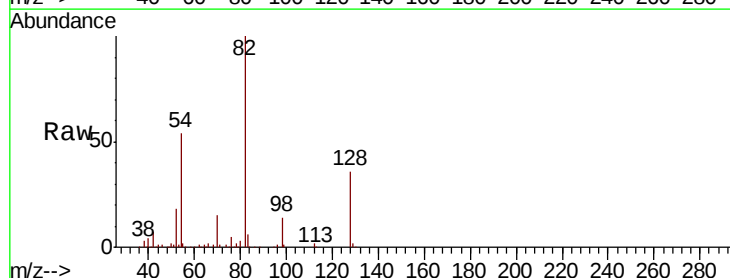


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

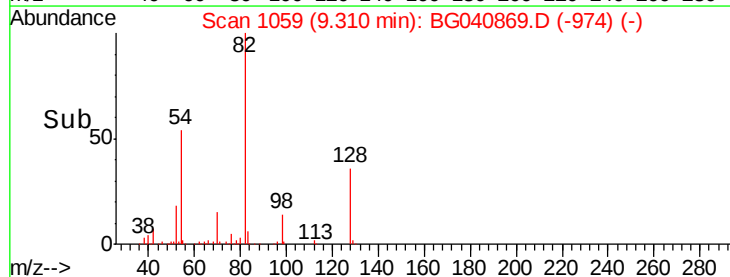
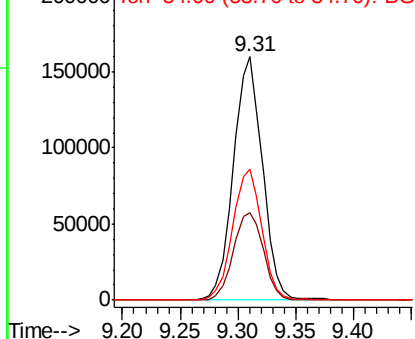


#23
Nitrobenzene-d5
Concen: 70.158 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

Tgt Ion:	82	Resp:	278825
Ion	Ratio	Lower	Upper
82	100		
128	35.7	28.9	43.3
54	53.8	47.2	70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

Instrument :

BNA_G

ClientSampleId :

FR-COMP

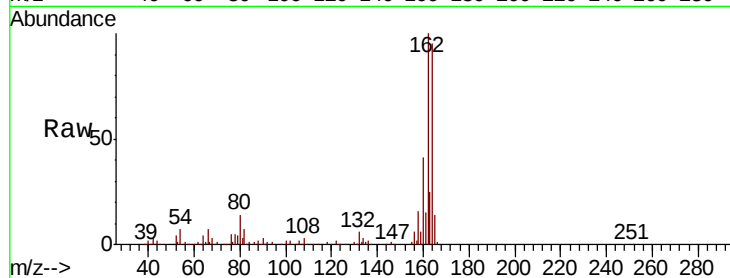
Tgt Ion:164 Resp: 139575

Ion Ratio Lower Upper

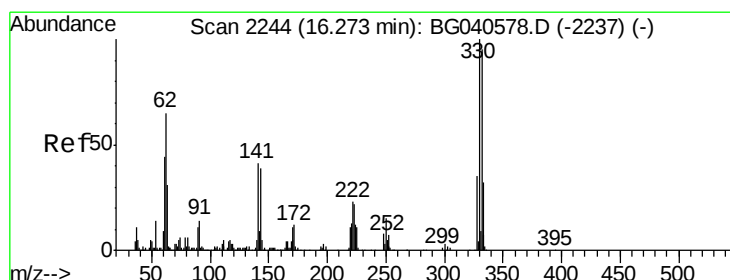
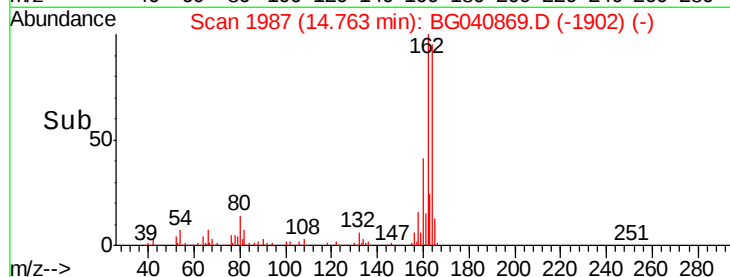
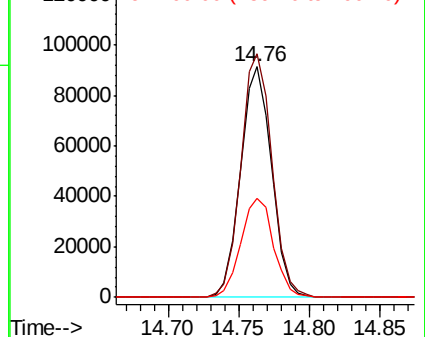
164 100

162 105.8 81.9 122.9

160 43.0 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: 46.962 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

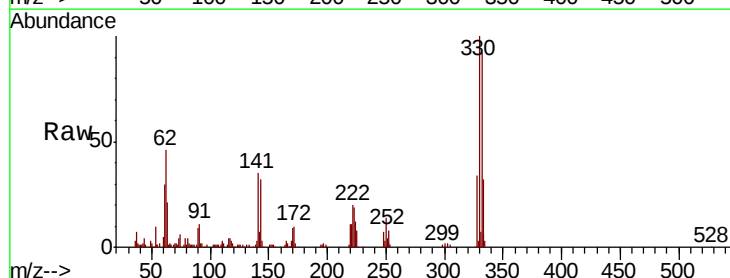
Tgt Ion:330 Resp: 90096

Ion Ratio Lower Upper

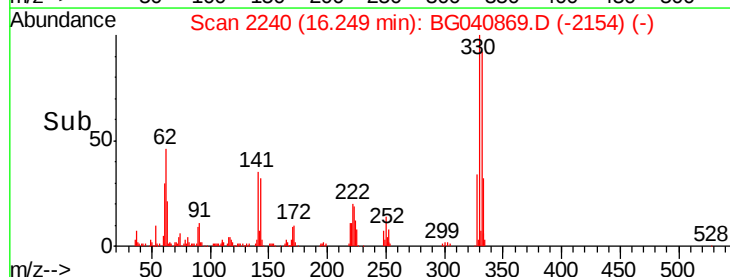
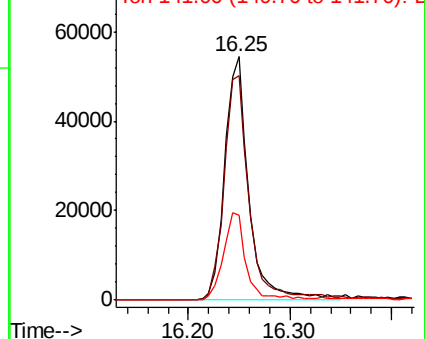
330 100

332 93.2 75.9 113.9

141 33.9 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

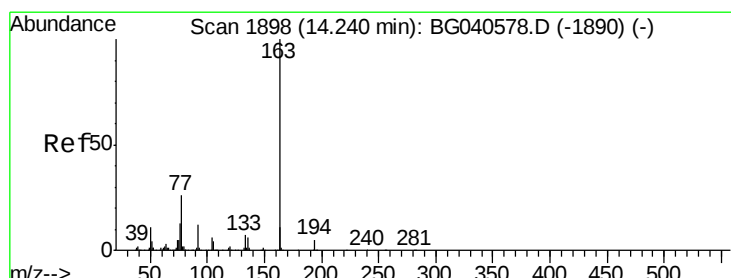
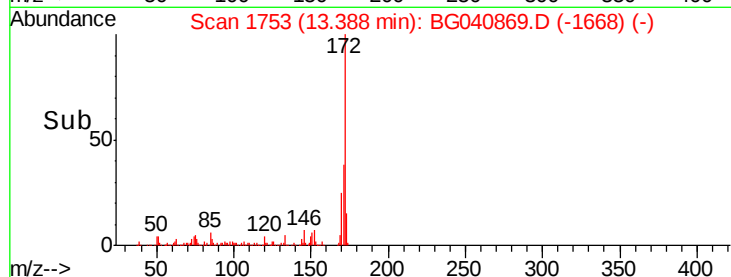
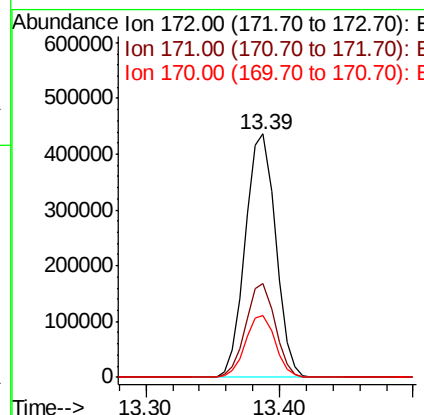
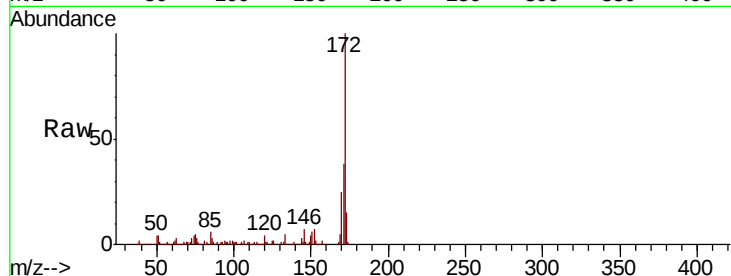




#45
 2-Fluorobiphenyl
 Concen: 70.916 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040869.D
 Acq: 11 May 2019 6:10

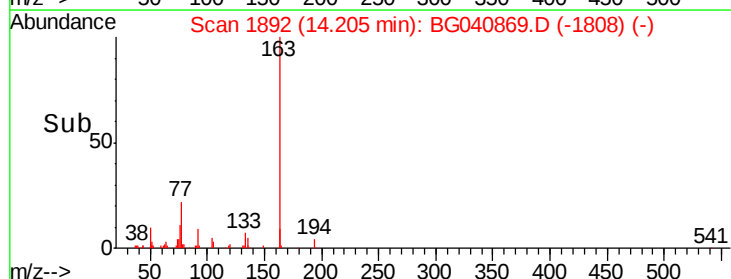
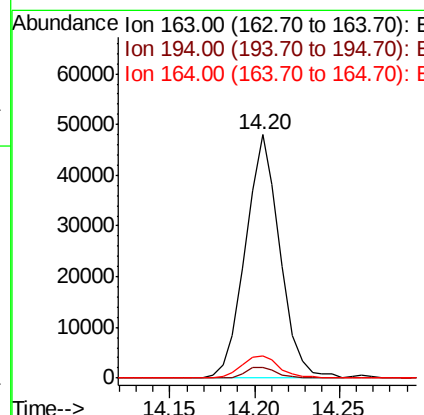
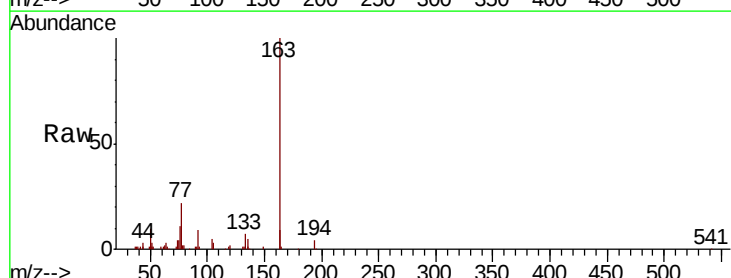
Instrument :
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 FR-COMP

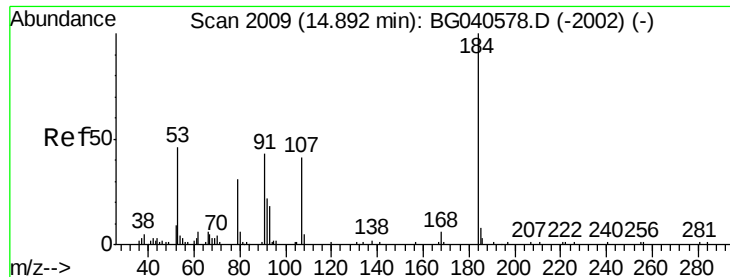
Tgt Ion:172 Resp: 685373
 Ion Ratio Lower Upper
 172 100
 171 38.4 29.4 44.2
 170 25.5 19.9 29.9



#50
 Dimethylphthalate
 Concen: 5.815 ng
 RT: 14.20 min Scan# 1892
 Delta R.T. -0.04 min
 Lab File: BG040869.D
 Acq: 11 May 2019 6:10

Tgt Ion:163 Resp: 67904
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.8 5.8
 164 9.2 8.8 13.2

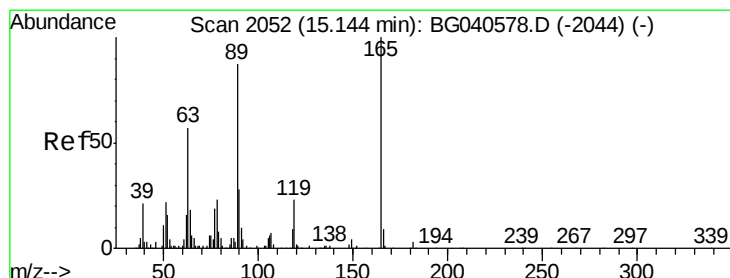
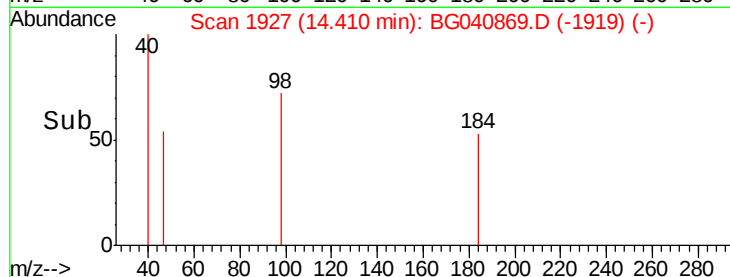
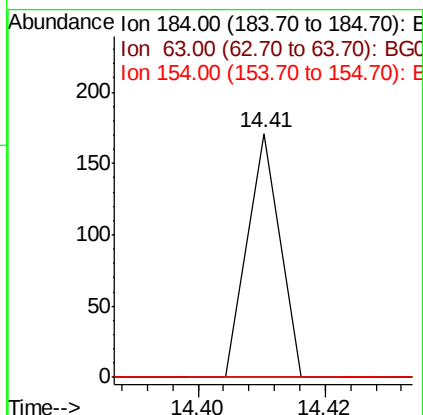
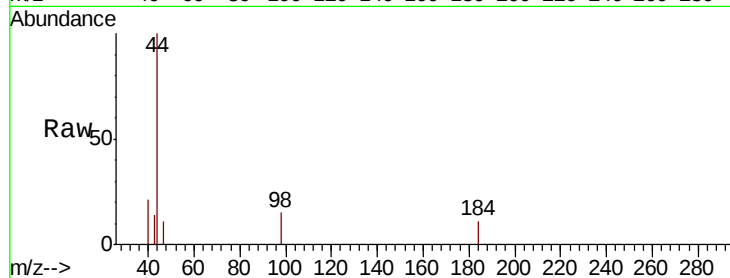




#54
2,4-Dinitrophenol
Concen: 7.057 ng
RT: 14.41 min Scan# 1927
Delta R.T. -0.48 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

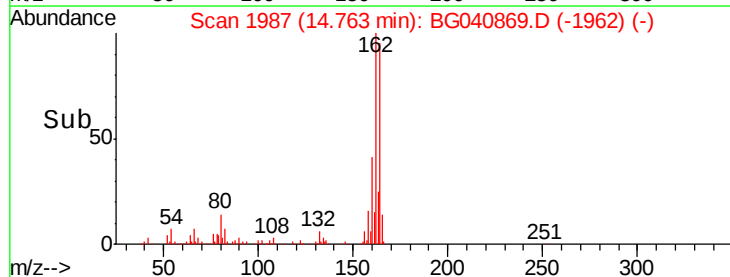
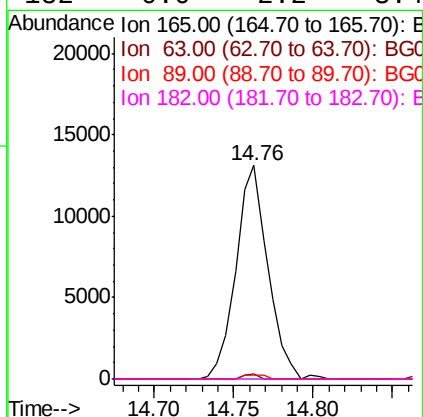
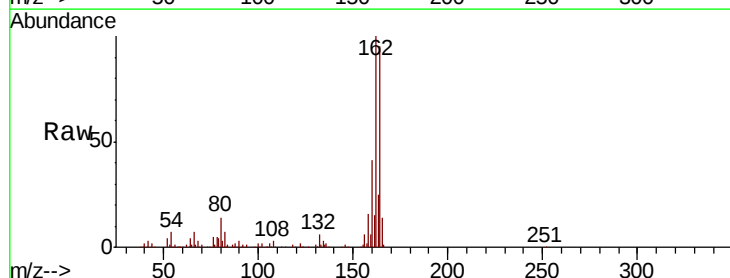
Instrument :
BNA_G
ClientSampleId :
FR-COMP

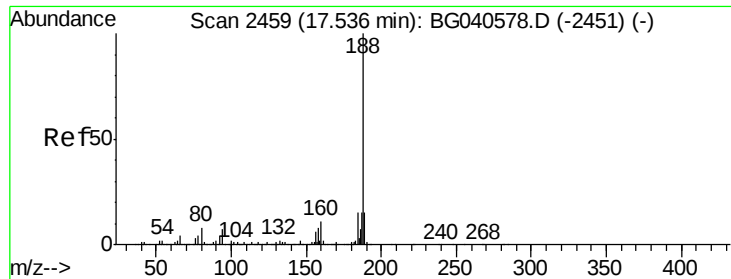
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.911 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040869.D
Acq: 11 May 2019 6:10

Tgt Ion:165 Resp: 18308
Ion Ratio Lower Upper
165 100
63 2.3 45.8 68.8#
89 1.6 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: BG040869.D

Acq: 11 May 2019 6:10

Instrument :

BNA_G

ClientSampleId :

FR-COMP

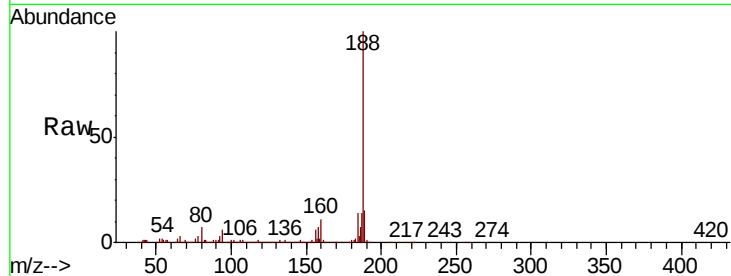
Tgt Ion:188 Resp: 383211

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

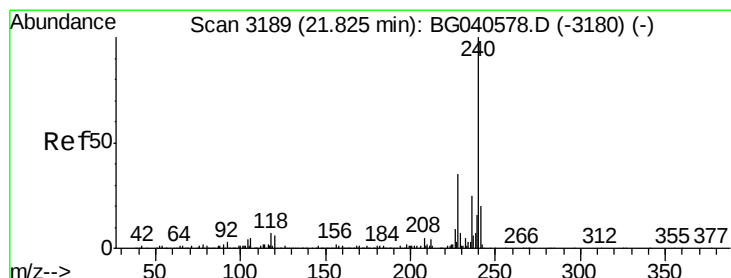
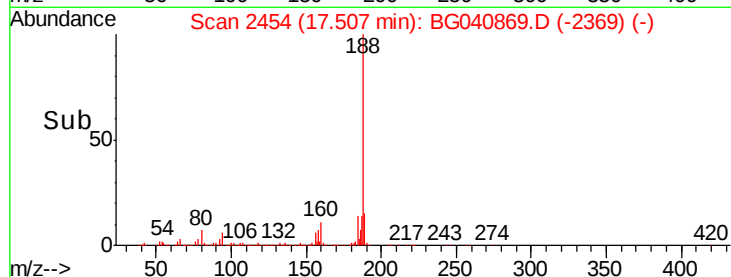
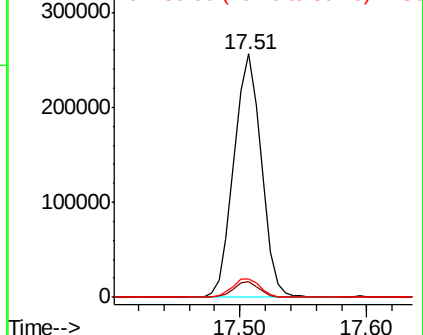
80 7.5 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3183

Delta R.T. -0.04 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

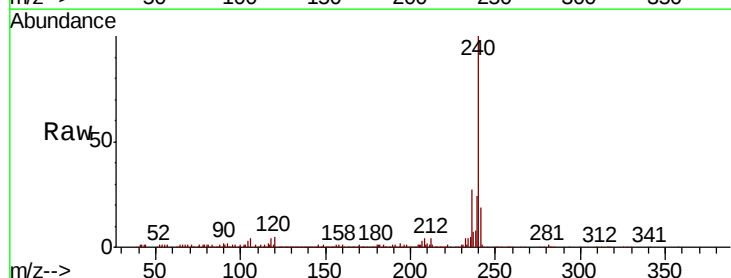
Tgt Ion:240 Resp: 410871

Ion Ratio Lower Upper

240 100

120 5.0 5.0 7.6

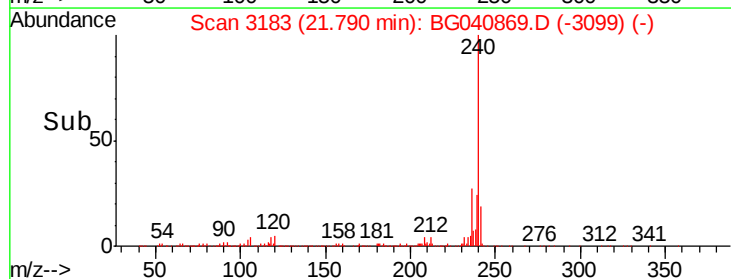
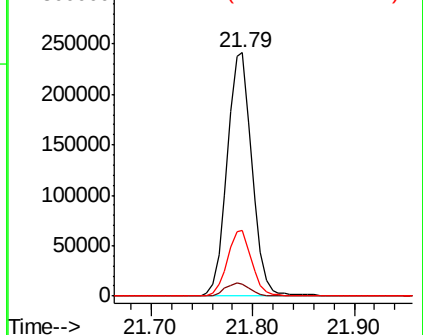
236 27.2 20.3 30.5

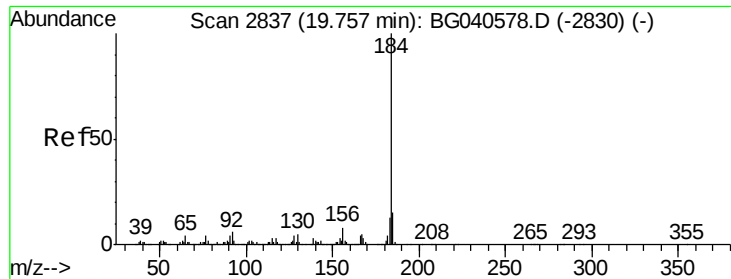


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.174 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

Instrument :

BNA_G

ClientSampleId :

FR-COMP

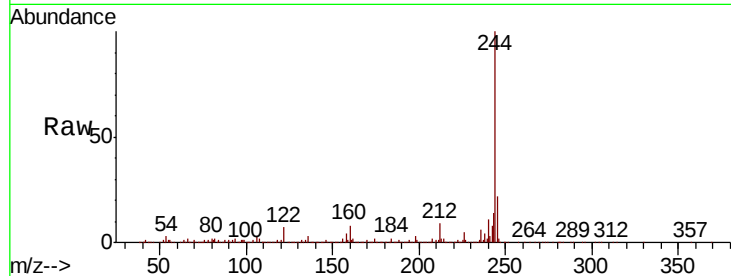
Tgt Ion:184 Resp: 24458

Ion Ratio Lower Upper

184 100

185 20.3 11.8 17.8#

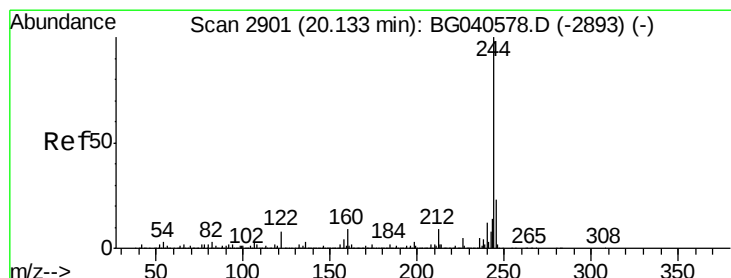
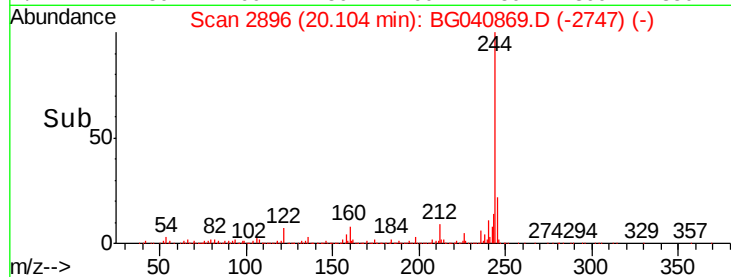
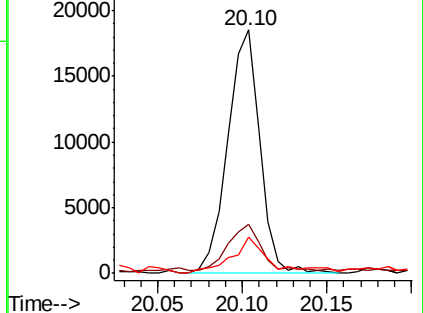
183 14.8 10.2 15.2



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: 74.005 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040869.D

Acq: 11 May 2019 6:10

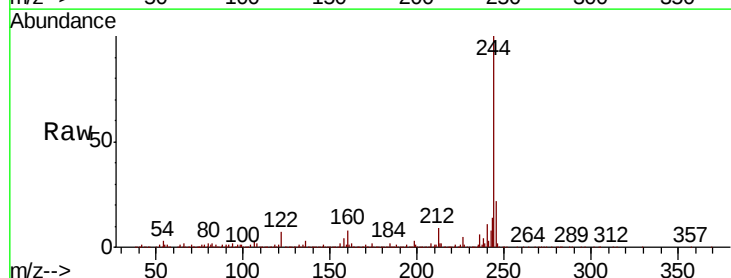
Tgt Ion:244 Resp: 1372486

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

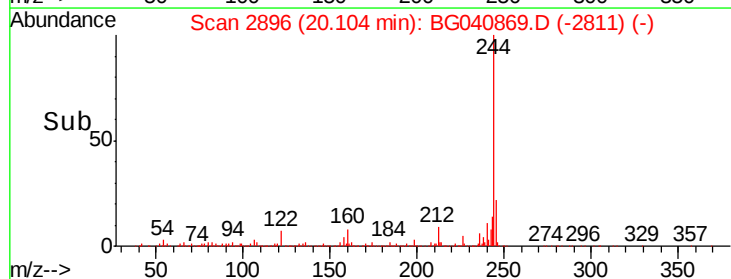
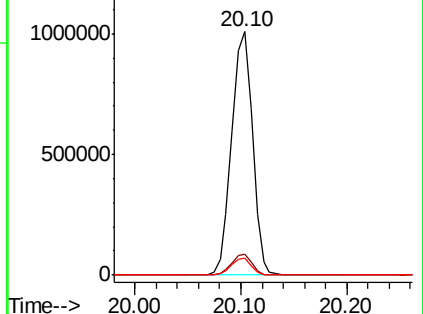
122 7.0 6.6 10.0

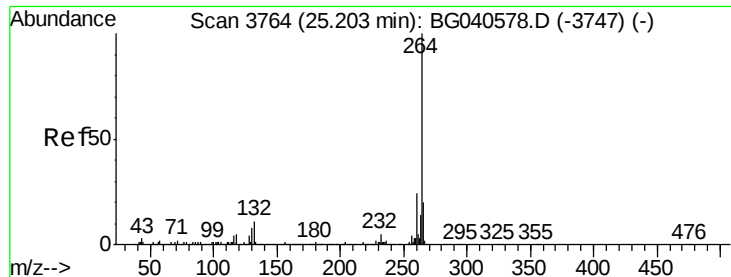


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040869.D

Acq: 11 May 2019 6:10

Instrument :

BNA_G

ClientSampleId :

FR-COMP

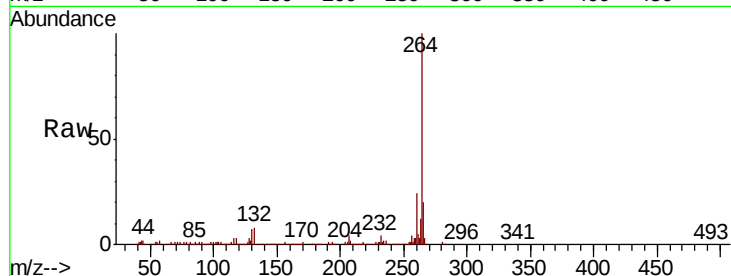
Tgt Ion: 264 Resp: 442204

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.1 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

200000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

