

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042871.D
 Acq On : 17 Sep 2019 17:29
 Operator : HP/JU
 Sample : PB123079BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123079BL

Quant Time: Sep 18 01:51:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

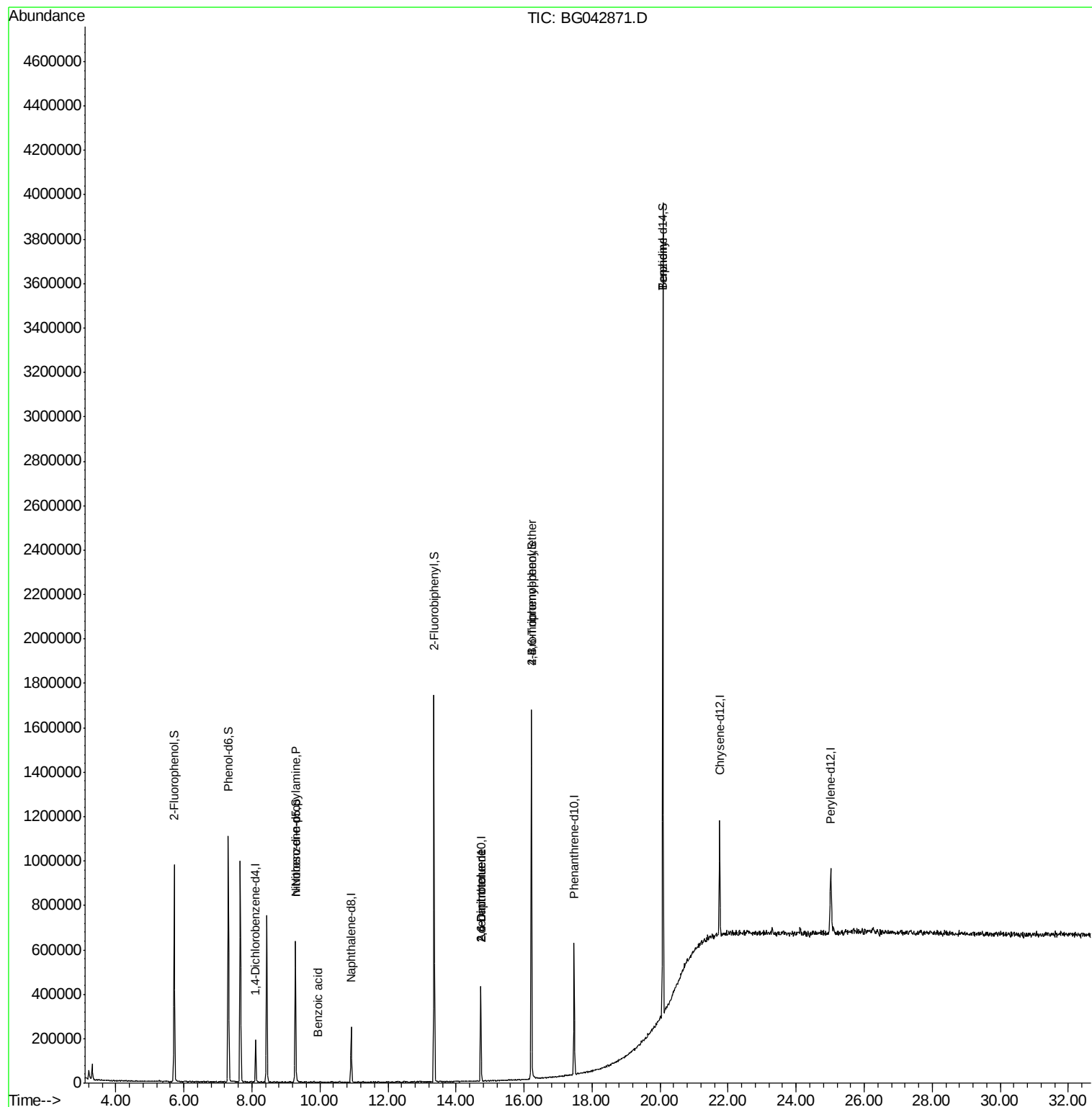
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	52295	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	201680	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	153764	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	383337	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	322107	20.00	ng	-0.01
87) Perylene-d12	25.02	264	343991	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	372144	123.72	ng	0.03
7) Phenol-d6	7.31	99	558474	129.35	ng	0.04
23) Nitrobenzene-d5	9.28	82	372190	96.08	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	329631	161.13	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	931858	95.93	ng	-0.02
79) Terphenyl-d14	20.08	244	1684020	115.87	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	52142	16.390	ng	# 73
32) Benzoic acid	9.95	122	117	6.009	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	20486	8.667	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	20486	6.503	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	21169	4.562	ng	# 1
77) Benzidine	20.08	184	33357	3.707	ng	# 87

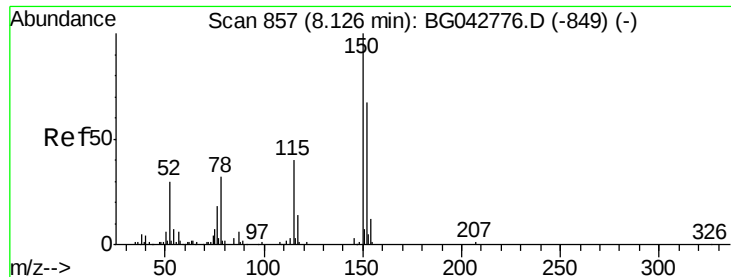
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



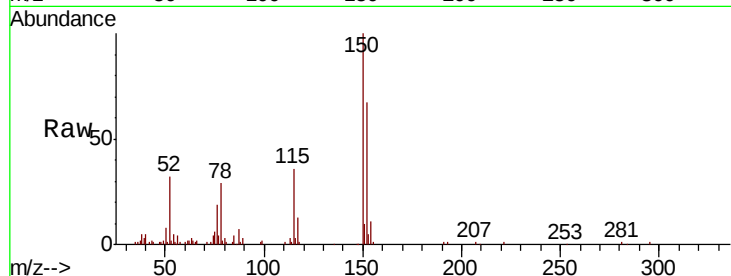


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

Instrument :
BNA_G
ClientSampleId :
PB123079BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	118.9	178.3
115	53.7	47.4	71.2

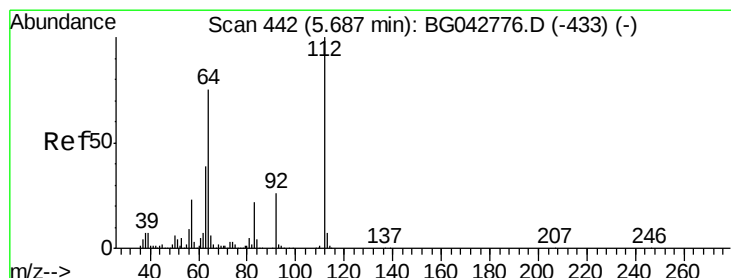
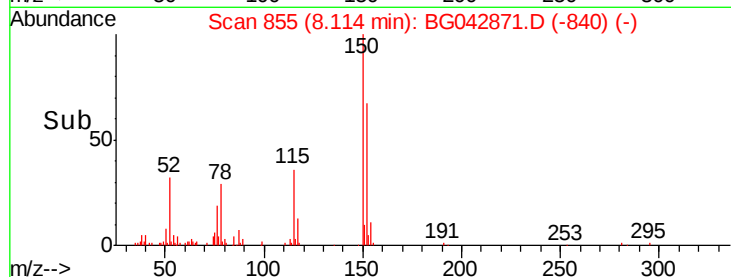
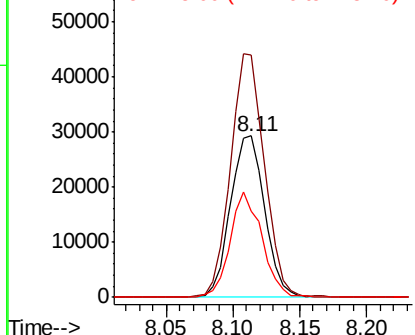


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

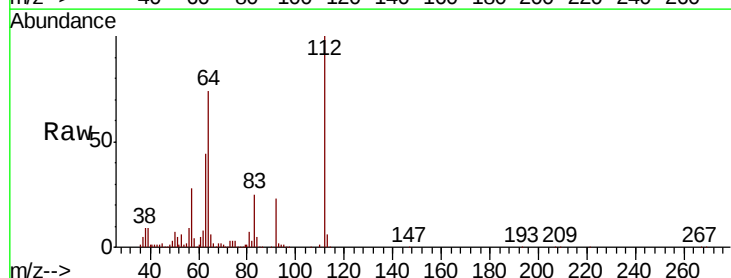
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.719 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.03 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	60.2	90.2
63	44.0	31.2	46.8

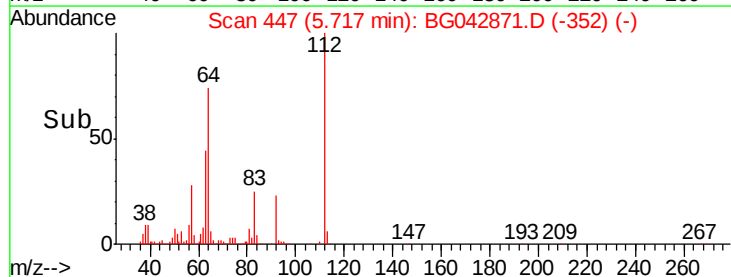
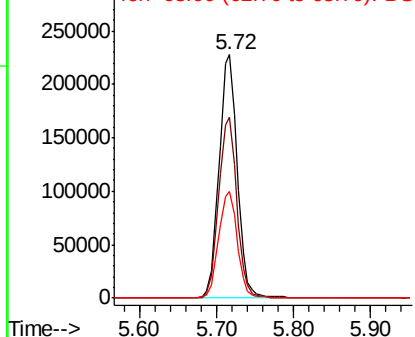


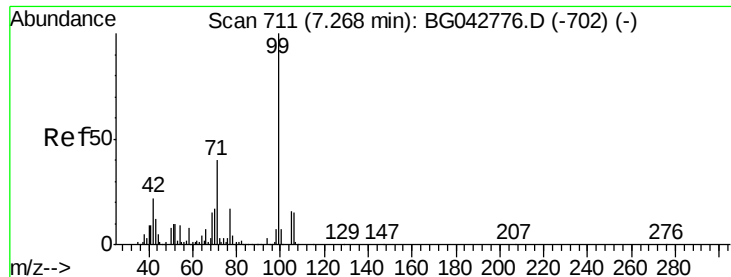
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 129.353 ng

RT: 7.31 min Scan# 718

Delta R.T. 0.04 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Instrument :

BNA_G

ClientSampleId :

PB123079BL

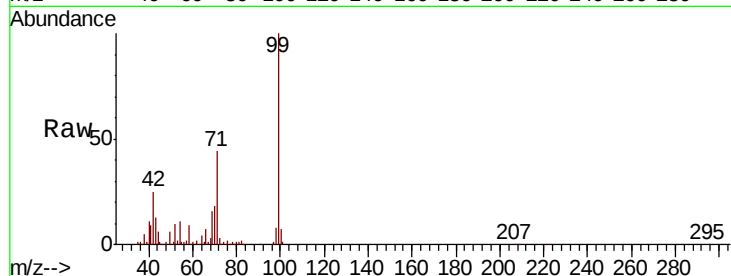
Tot Ion: 99 Resp: 558474

Ion Ratio Lower Upper

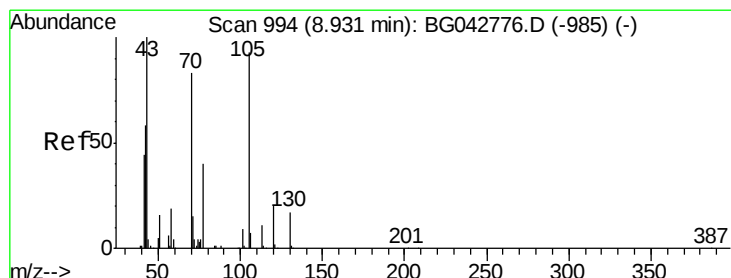
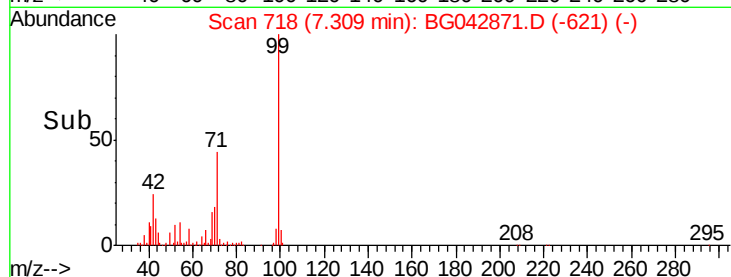
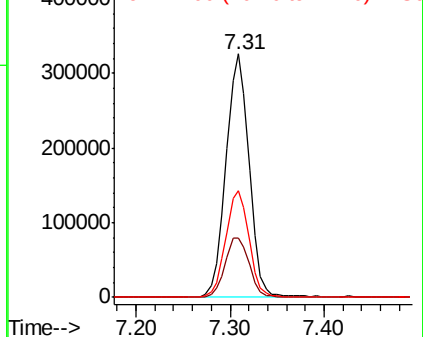
99 100

42 24.5 17.5 26.3

71 43.8 32.0 48.0



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: 16.390 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.35 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Tgt Ion: 70 Resp: 52142

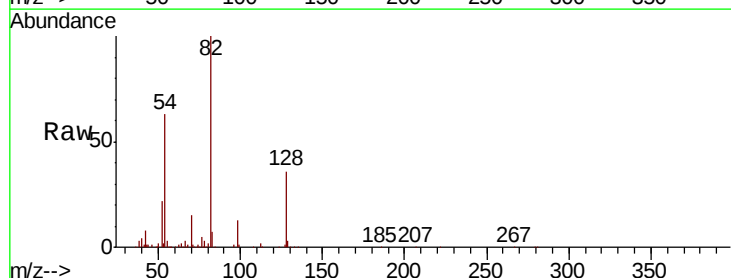
Ion Ratio Lower Upper

70 100

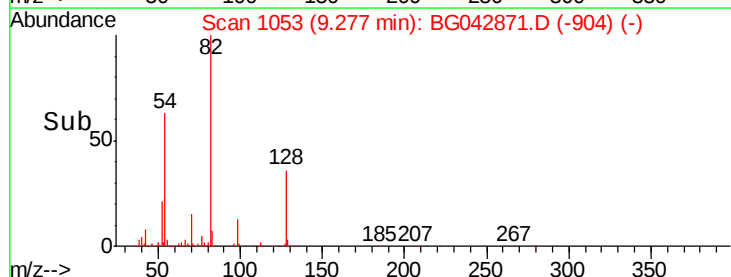
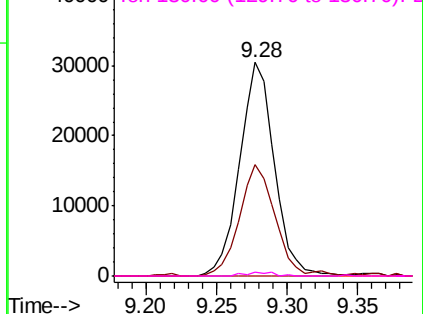
42 52.1 57.0 85.6#

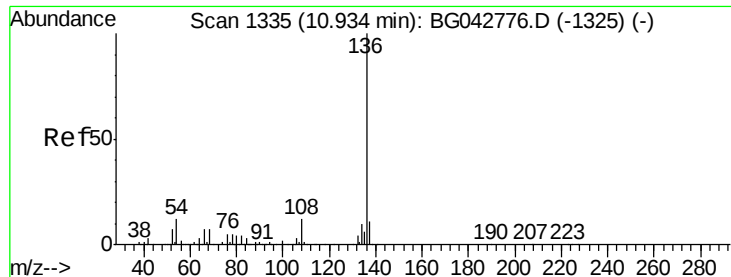
101 0.0 8.4 12.6#

130 1.9 16.1 24.1#



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: 10.92 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Instrument :

BNA_G

ClientSampleId :

PB123079BL

Tot Ion:136 Resp: 201680

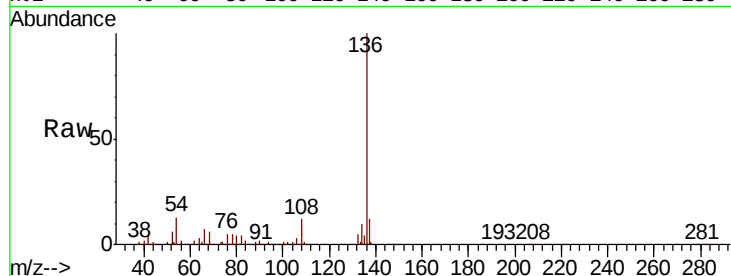
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 13.1 9.4 14.0

68 6.4 5.4 8.2

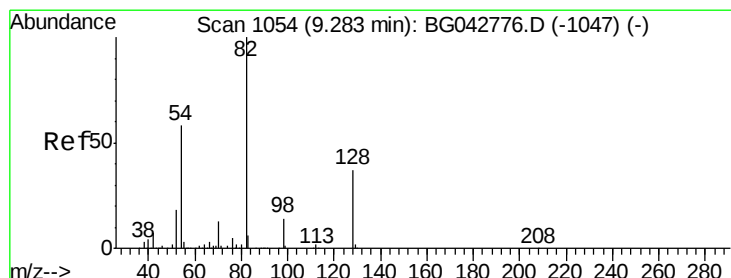
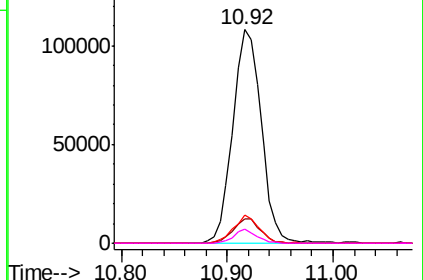
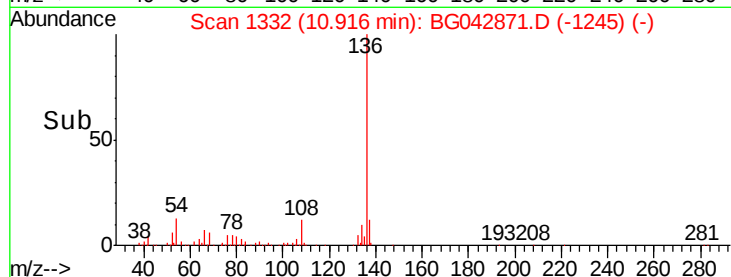


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.079 ng

RT: 9.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

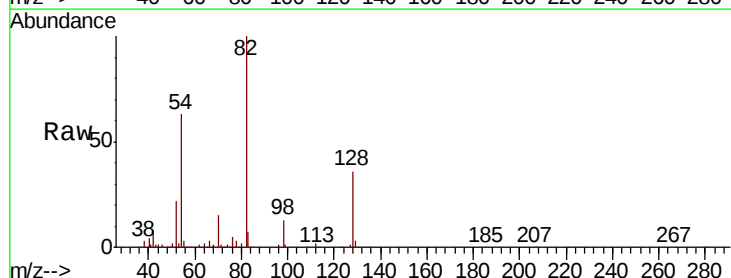
Tgt Ion: 82 Resp: 372190

Ion Ratio Lower Upper

82 100

128 36.2 29.8 44.8

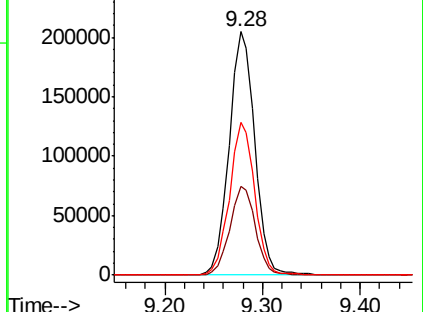
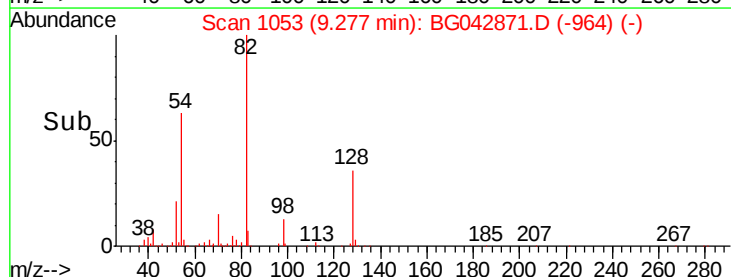
54 62.7 46.1 69.1

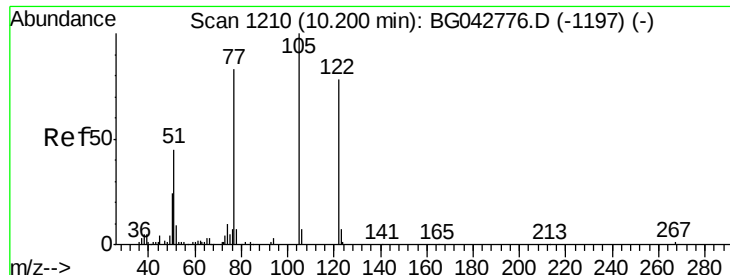


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

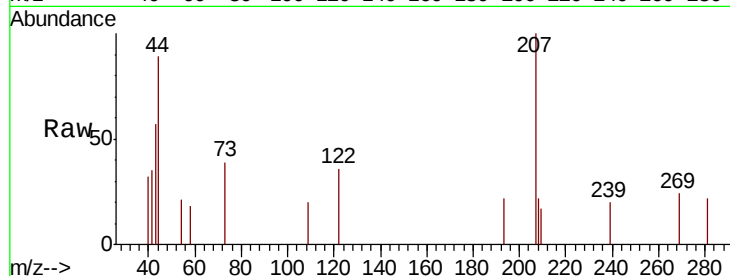




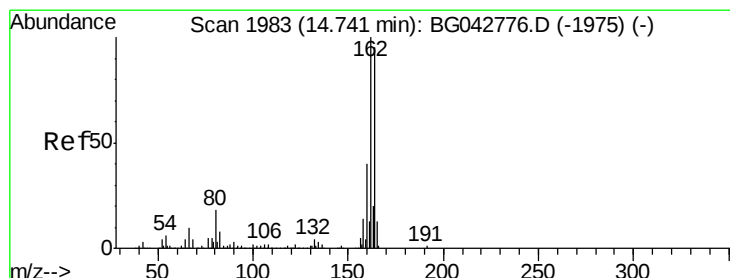
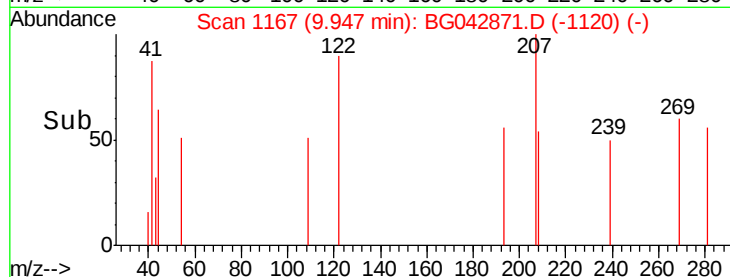
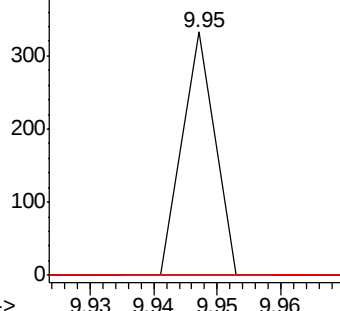
#32
Benzoic acid
Concen: 6.009 ng
RT: 9.95 min Scan# 1167
Delta R.T. -0.25 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

Instrument :
BNA_G
ClientSampleId :
PB123079BL

Tot Ion:122 Resp: 117
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 0.0 84.2 124.2#

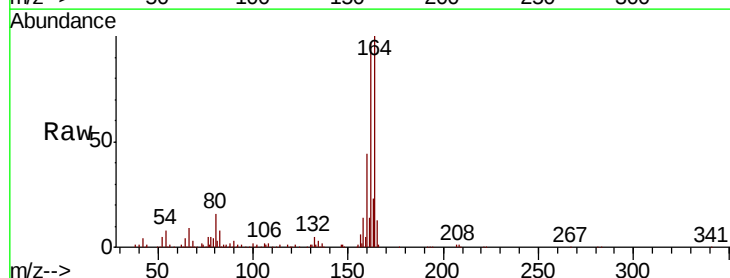


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG0

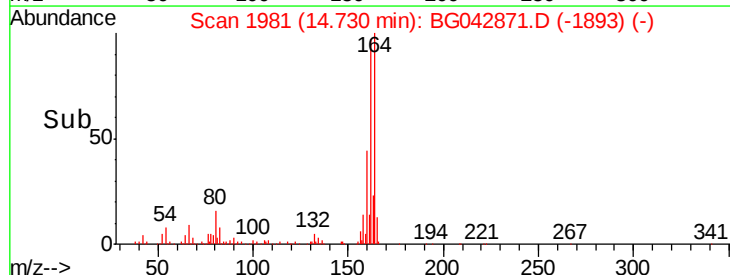
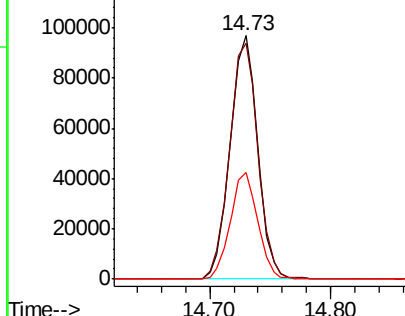


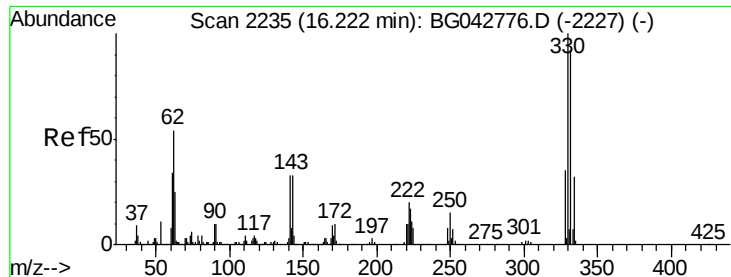
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

Tgt Ion:164 Resp: 153764
Ion Ratio Lower Upper
164 100
162 97.1 84.6 126.8
160 43.9 34.2 51.2



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

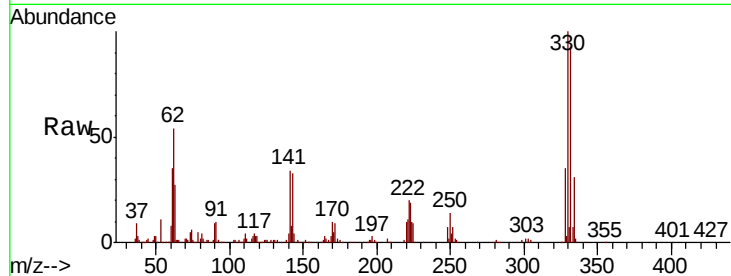




#42
 2,4,6-Tribromophenol
 Concen: 161.133 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042871.D
 Acq: 17 Sep 2019 17:29

Instrument :
 BNA_G
 ClientSampled :
 PB123079BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.7	115.1
141	33.7	27.0	40.6

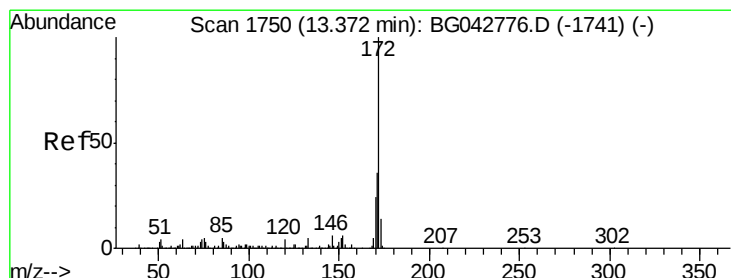
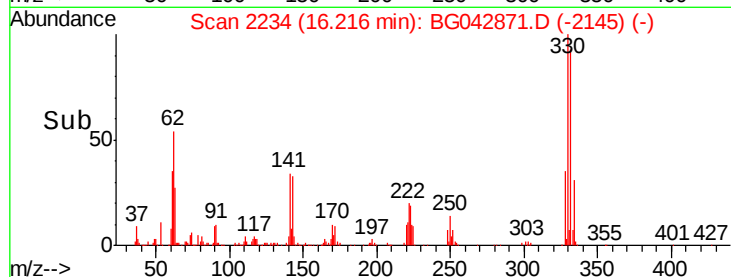
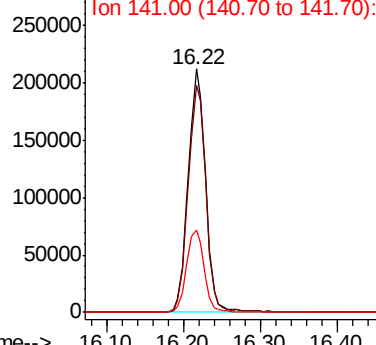


Abundance

Ion 329.80 (329.50 to 330.50): E

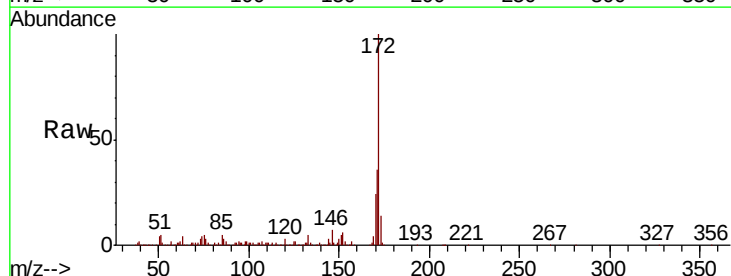
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.931 ng
 RT: 13.35 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: BG042871.D
 Acq: 17 Sep 2019 17:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.3	19.1	28.7

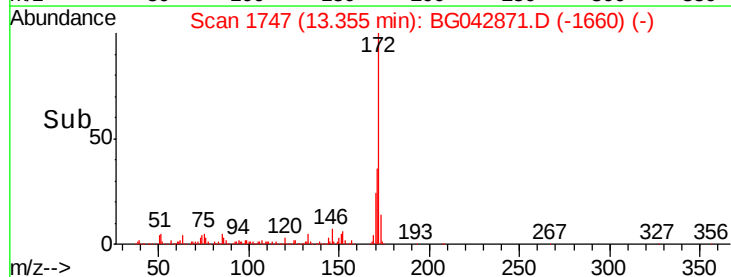
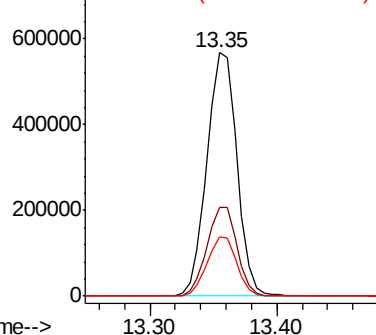


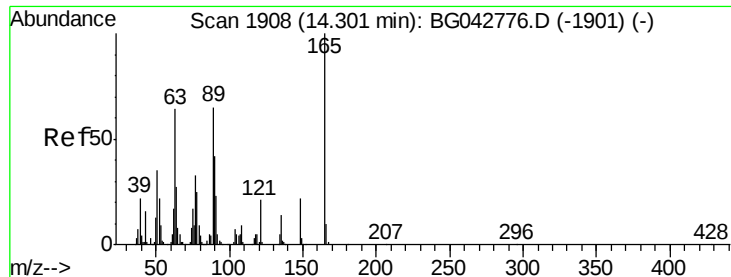
Abundance

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

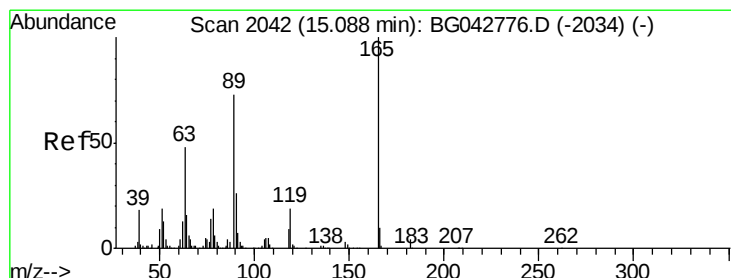
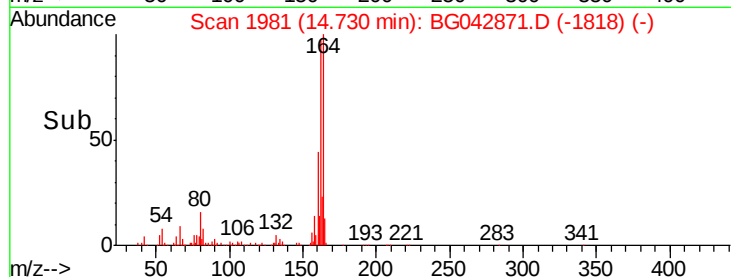
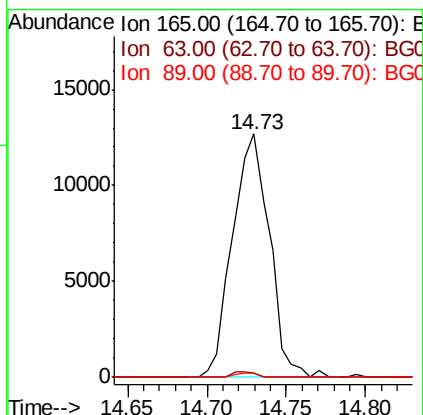
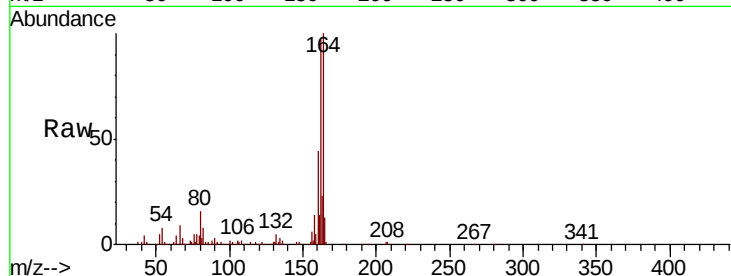




#51
2,6-Dinitrotoluene
Concen: 8.667 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.43 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

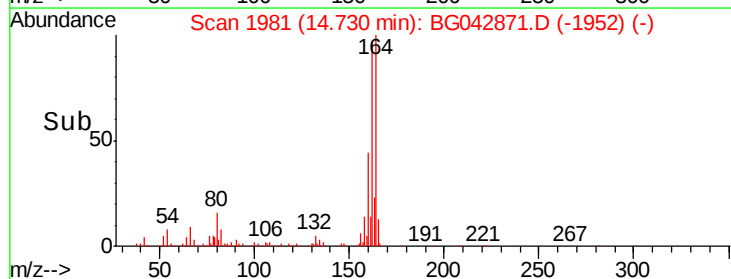
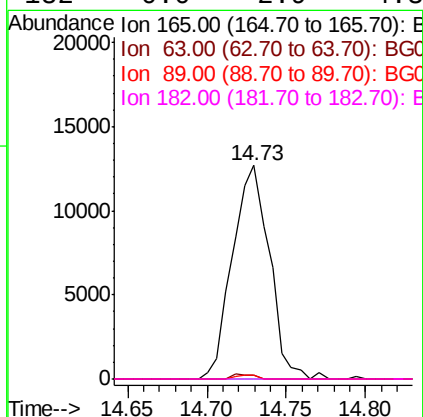
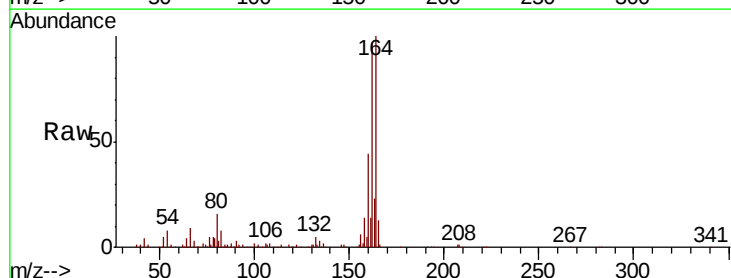
Instrument :
BNA_G
ClientSampleId :
PB123079BL

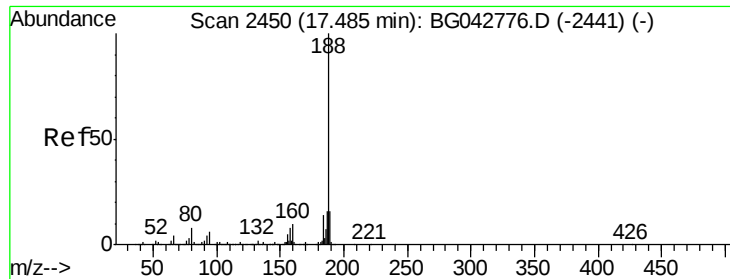
Tot Ion:165 Resp: 20486
Ion Ratio Lower Upper
165 100
63 1.5 52.1 78.1#
89 1.6 51.7 77.5#



#57
2,4-Dinitrotoluene
Concen: 6.503 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.36 min
Lab File: BG042871.D
Acq: 17 Sep 2019 17:29

Tgt Ion:165 Resp: 20486
Ion Ratio Lower Upper
165 100
63 1.5 38.3 57.5#
89 1.6 58.4 87.6#
182 0.0 2.9 4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Instrument :

BNA_G

ClientSampleId :

PB123079BL

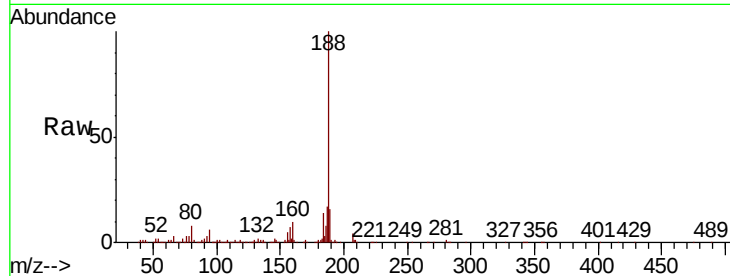
Tot Ion:188 Resp: 383337

Ion Ratio Lower Upper

188 100

94 6.3 4.8 7.2

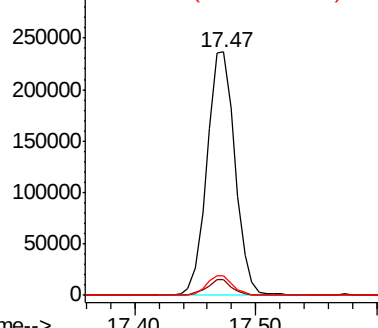
80 8.0 6.6 9.8



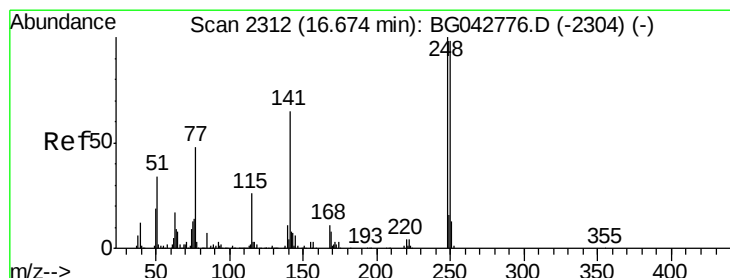
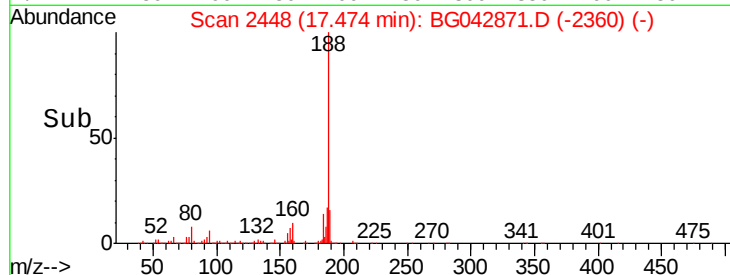
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.562 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

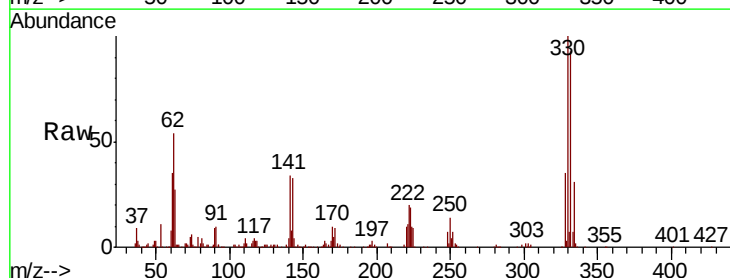
Tgt Ion:248 Resp: 21169

Ion Ratio Lower Upper

248 100

250 191.7 78.0 117.0#

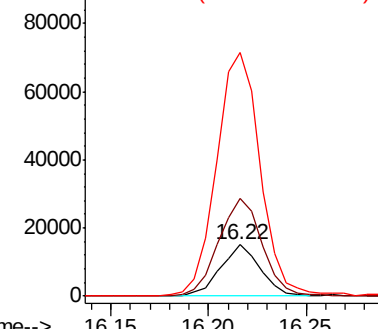
141 474.9 51.8 77.6#



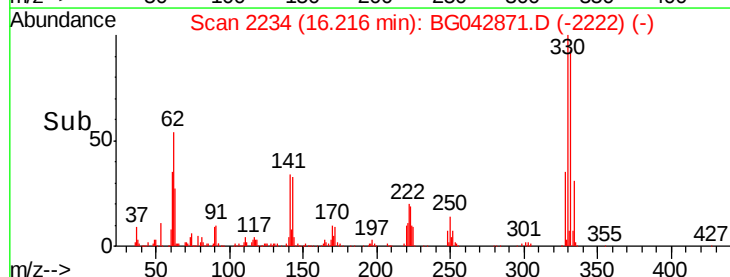
Abundance Ion 248.00 (247.70 to 248.70): E

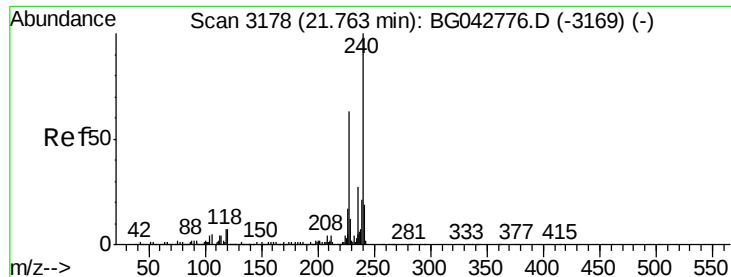
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Instrument :

BNA_G

ClientSampleId :

PB123079BL

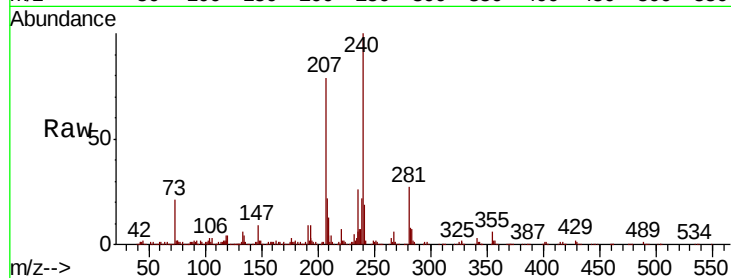
Tot Ion:240 Resp: 322107

Ion Ratio Lower Upper

240 100

120 4.3 5.4 8.2#

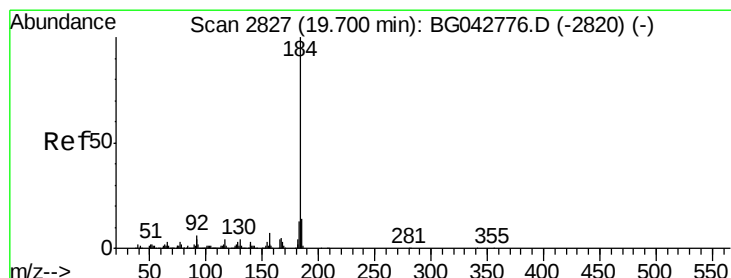
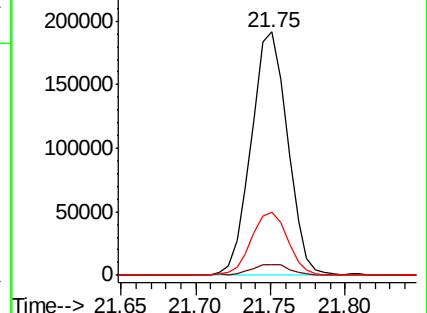
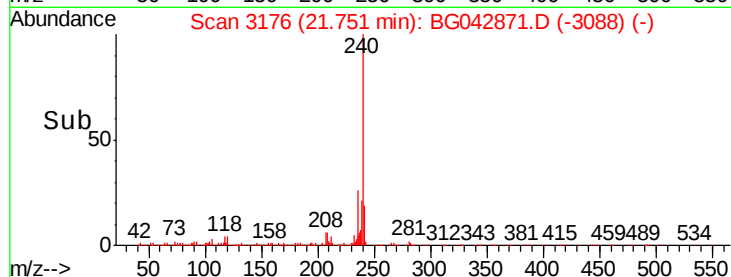
236 25.7 21.7 32.5



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: 3.707 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

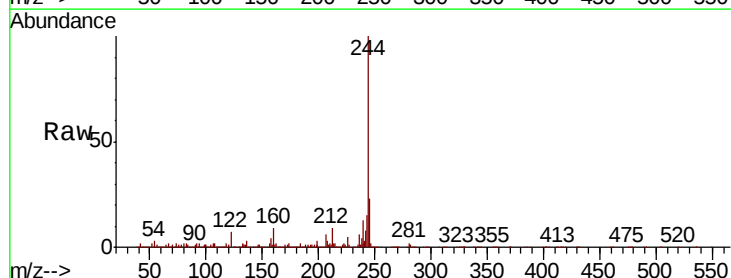
Tgt Ion:184 Resp: 33357

Ion Ratio Lower Upper

184 100

185 18.8 11.6 17.4#

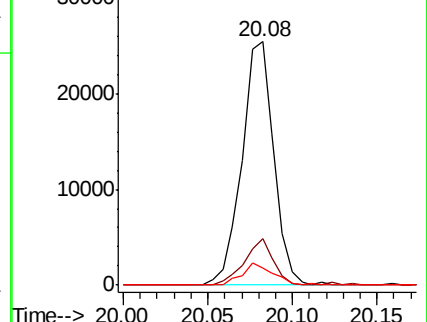
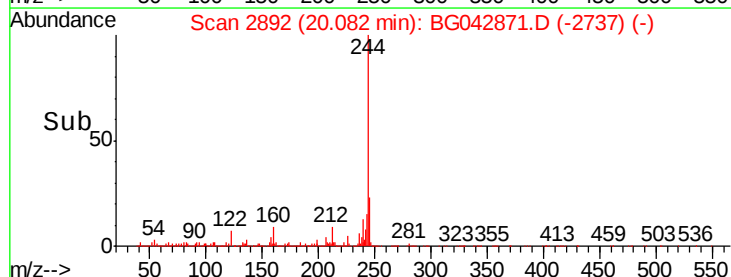
183 7.0 10.4 15.6#

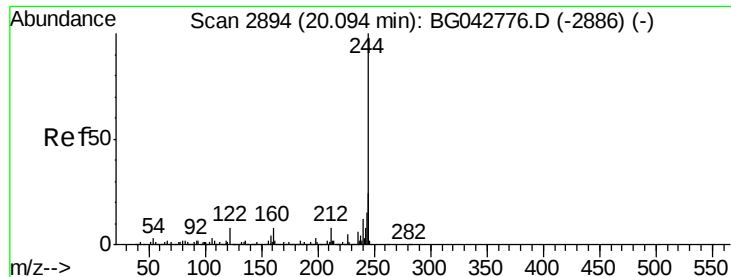


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 115.870 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

Instrument :

BNA_G

ClientSampleId :

PB123079BL

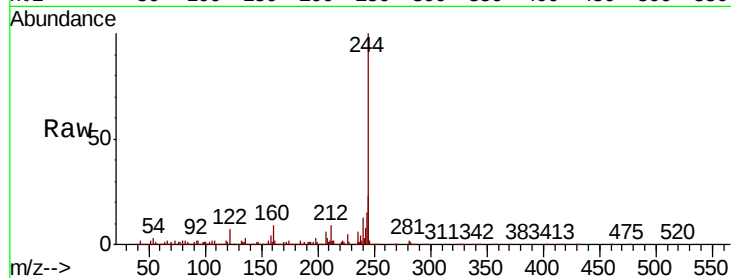
Tot Ion:244 Resp: 1684020

Ion Ratio Lower Upper

244 100

212 8.7 6.6 10.0

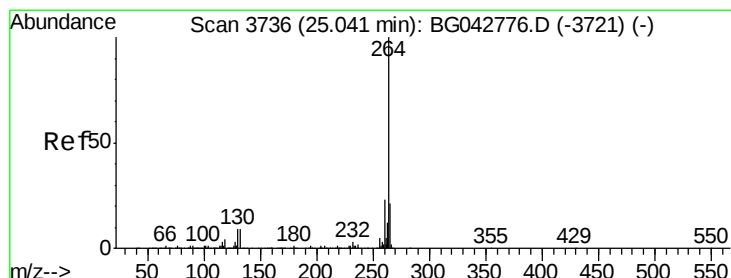
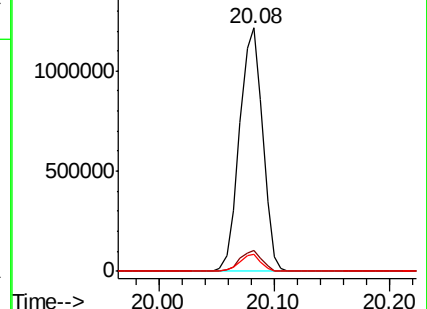
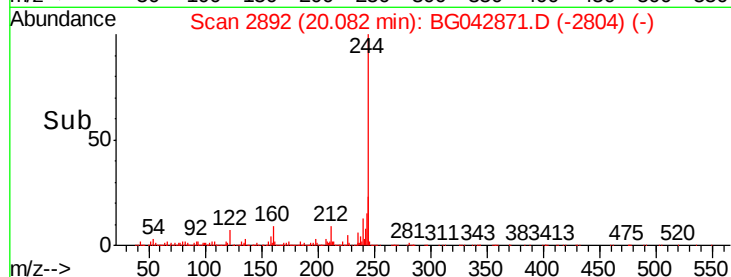
122 6.9 6.2 9.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BG042871.D

Acq: 17 Sep 2019 17:29

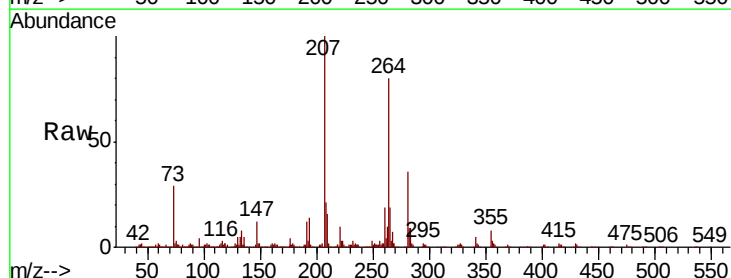
Tgt Ion:264 Resp: 343991

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 23.7 16.9 25.3



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

