

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG042986.D
 Acq On : 2 Oct 2019 15:53
 Operator : JU
 Sample : PB123559BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123559BL

Quant Time: Oct 03 04:26:32 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

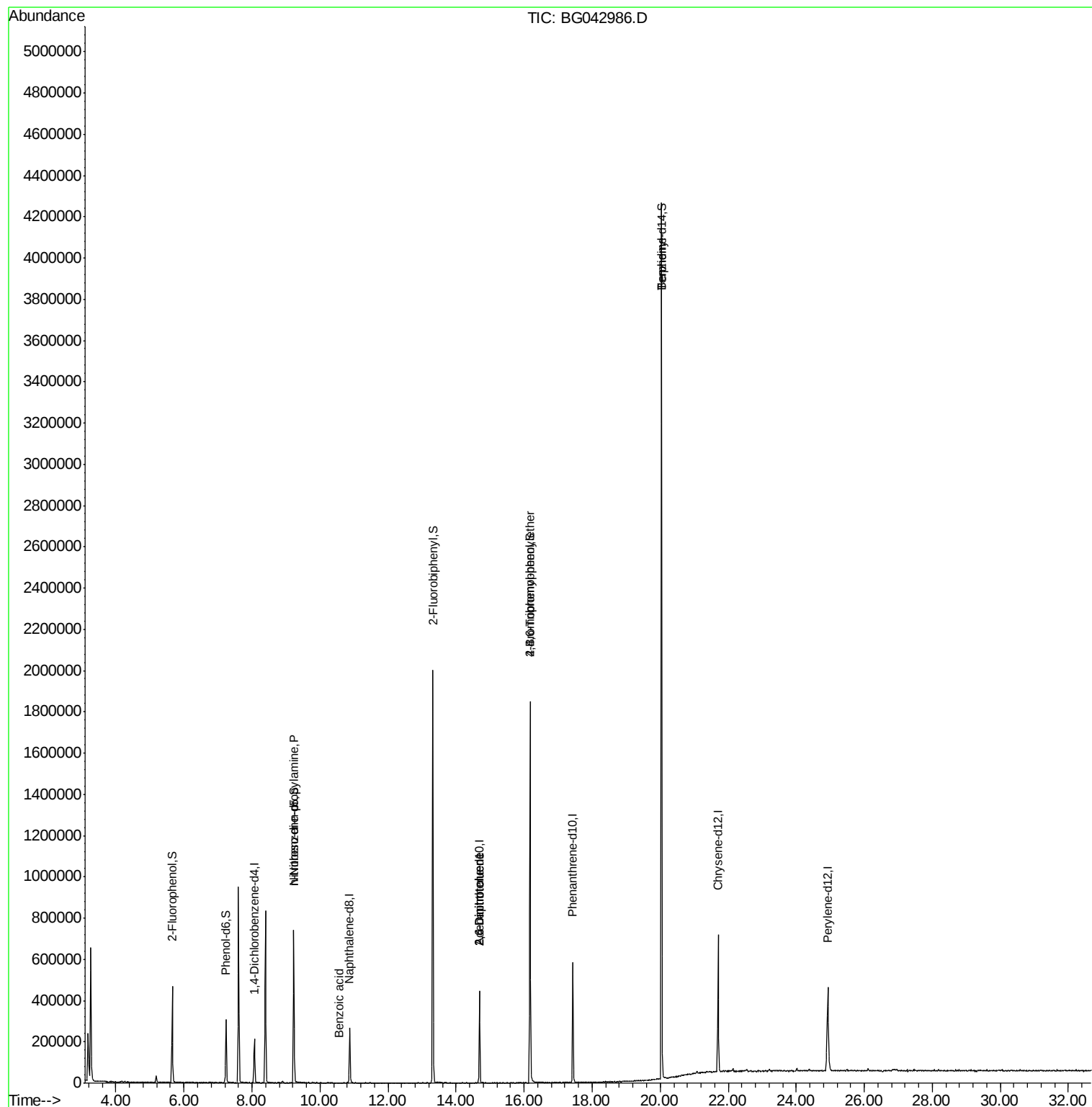
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	62220	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	226106	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	159284	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	377131	20.00	ng	0.00
76) Chrysene-d12	21.70	240	413556	20.00	ng	-0.01
87) Perylene-d12	24.93	264	463004	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	201756	57.87	ng	0.00
7) Phenol-d6	7.24	99	175799	35.01	ng	0.00
23) Nitrobenzene-d5	9.23	82	450370	96.81	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	401707	146.66	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1087380	98.97	ng	0.00
79) Terphenyl-d14	20.04	244	2039124	105.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	62373	18.920	ng	# 73
32) Benzoic acid	10.57	122	56	2.825	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	21749	8.557	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	21749	5.844	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	26187	5.532	ng	# 1
77) Benzidine	20.04	184	33586	3.243	ng	# 95

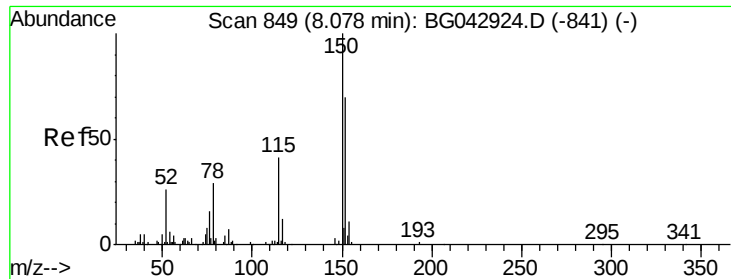
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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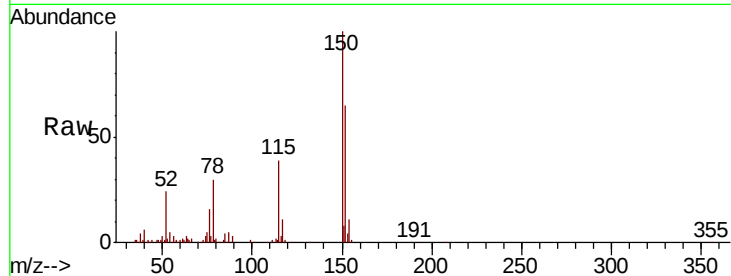


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BG042986.D
 Acq: 2 Oct 2019 15:53

Instrument :
 BNA_G
 ClientSampleId :
 PB123559BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	115.0	172.4
115	59.3	47.0	70.6

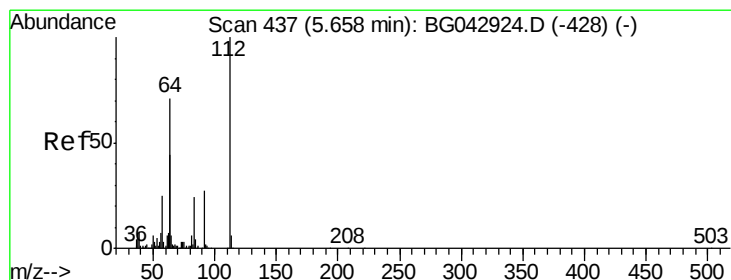
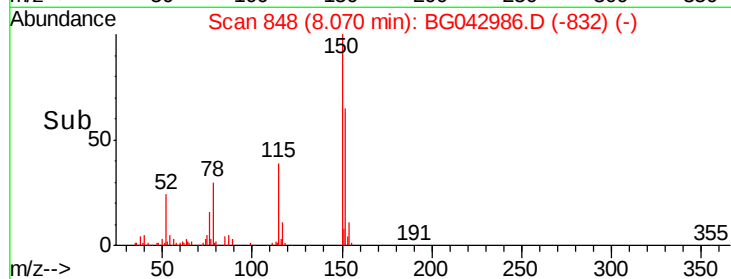
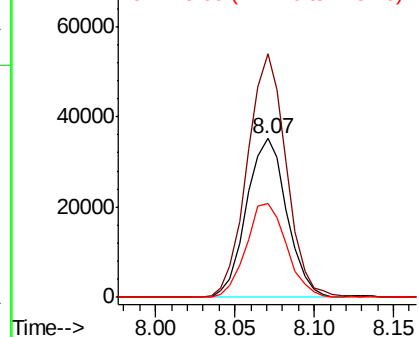


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

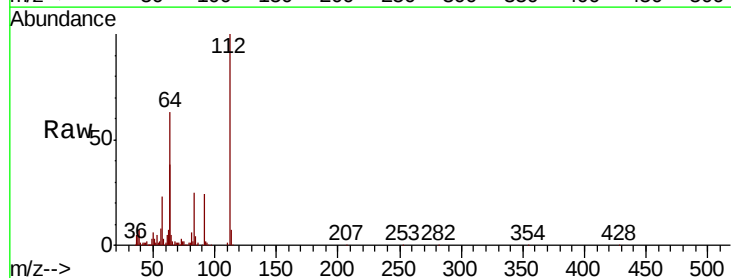
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 57.869 ng
 RT: 5.66 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BG042986.D
 Acq: 2 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	56.6	84.8
63	38.0	35.1	52.7

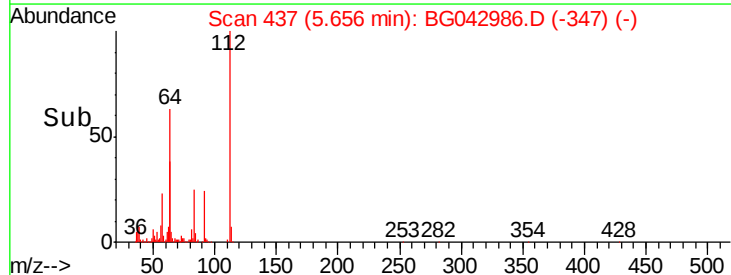
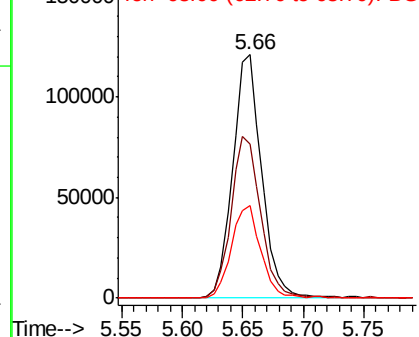


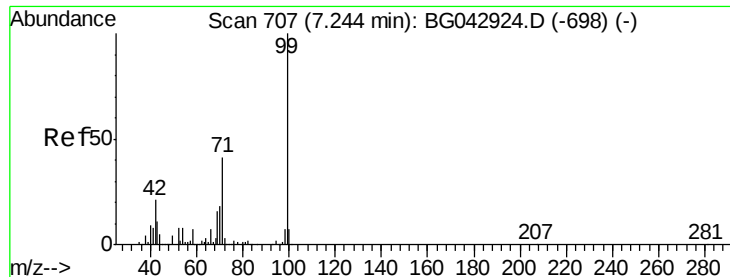
Abundance

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: 35.015 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Instrument :

BNA_G

ClientSampleId :

PB123559BL

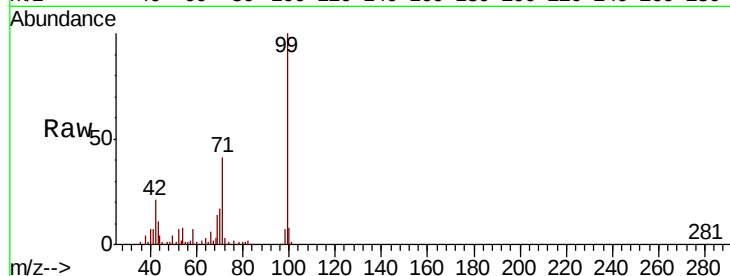
Tot Ion: 99 Resp: 175799

Ion Ratio Lower Upper

99 100

42 21.2 17.2 25.8

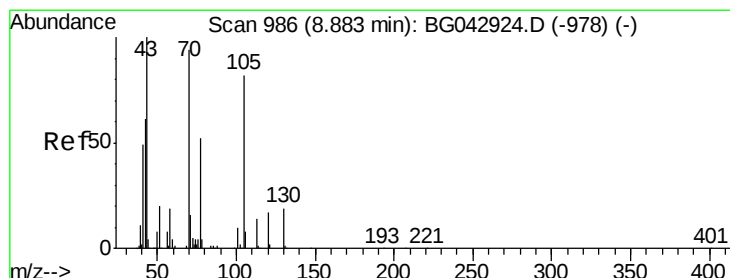
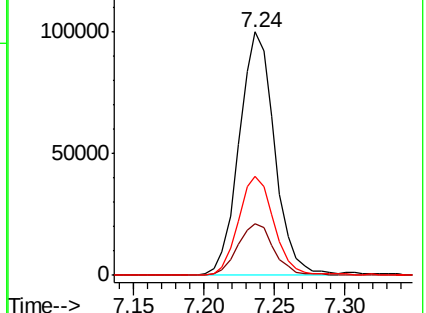
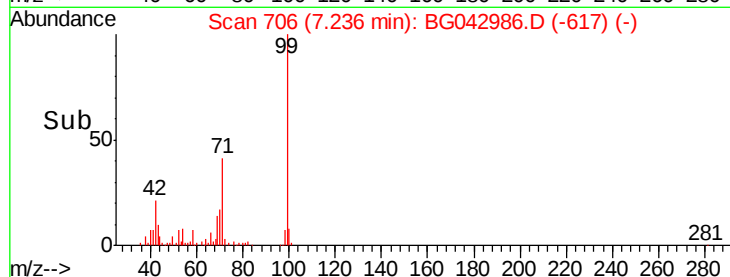
71 40.6 33.1 49.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.920 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Tgt Ion: 70 Resp: 62373

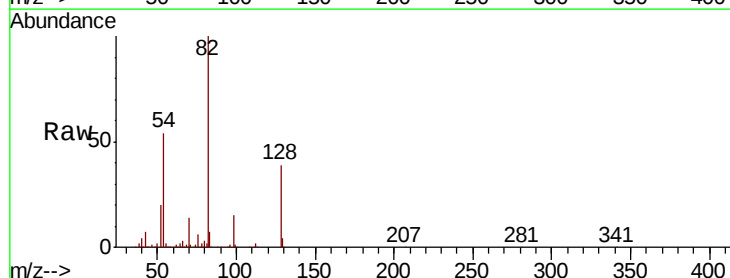
Ion Ratio Lower Upper

70 100

42 48.0 52.6 79.0#

101 0.0 8.7 13.1#

130 1.6 15.8 23.8#

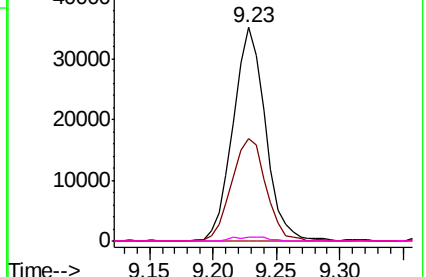
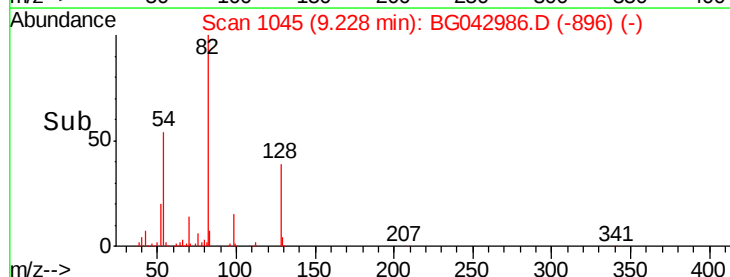


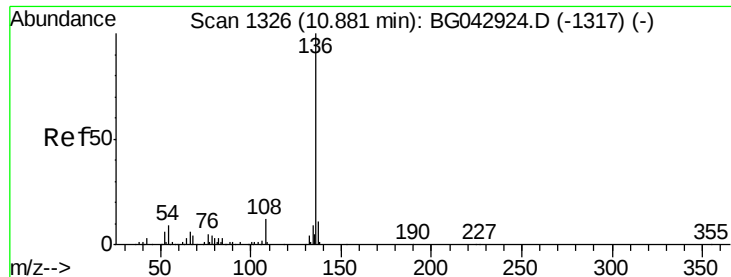
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

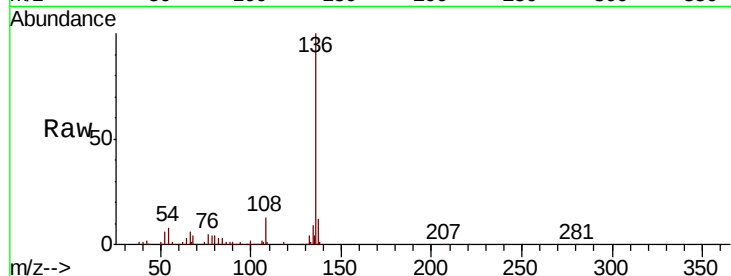




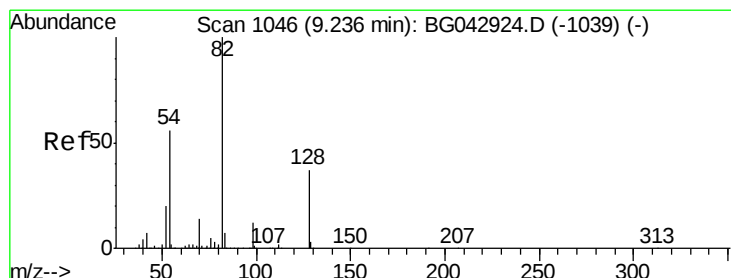
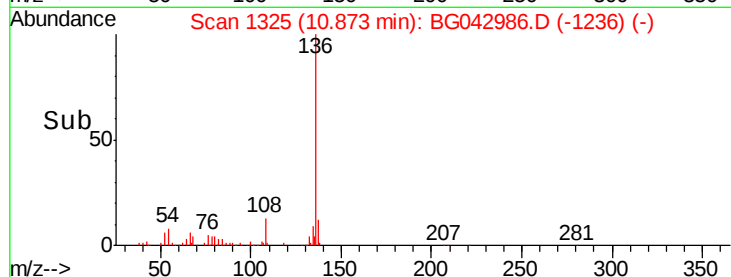
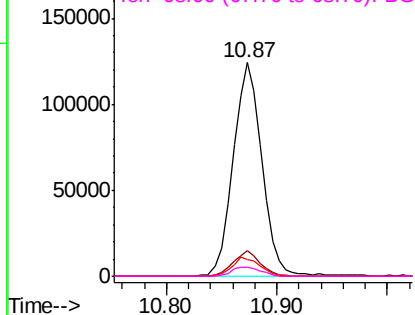
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

Instrument :
BNA_G
ClientSampleId :
PB123559BL

Tot Ion:136	Resp:	226106
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.5	12.7
54 7.5	7.4	11.2
68 4.3	3.6	5.4

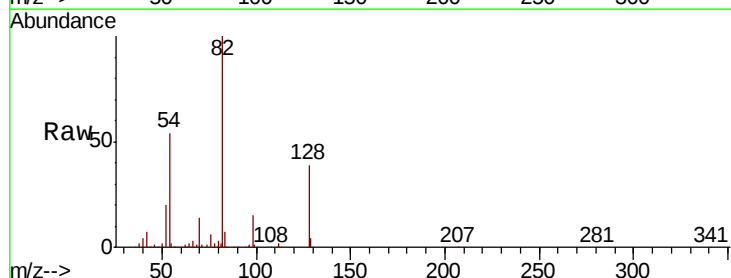


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

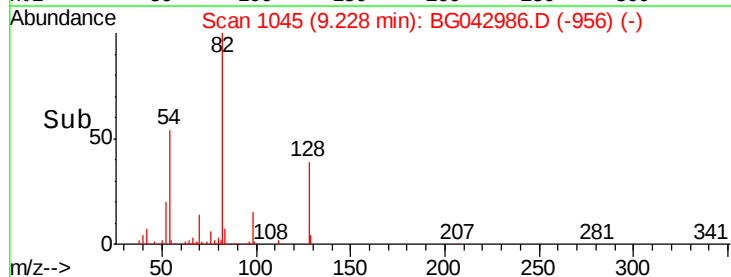
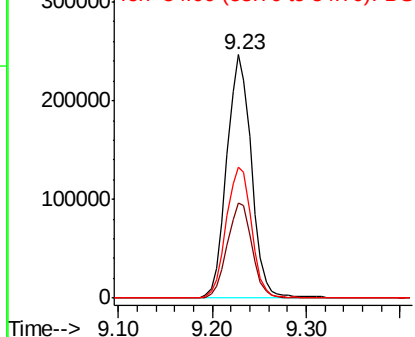


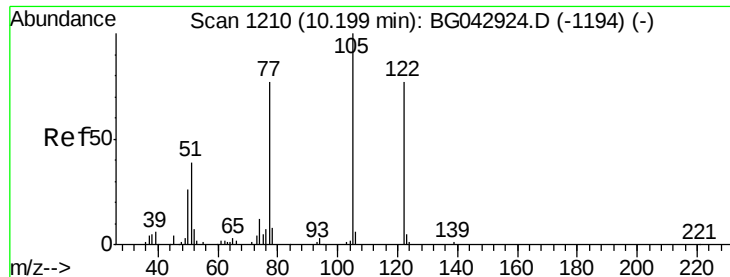
#23
Nitrobenzene-d5
Concen: 96.814 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

Tgt Ion: 82	Resp: 450370
Ion Ratio	Lower Upper
82 100	
128 39.2	29.5 44.3
54 53.8	44.6 67.0



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

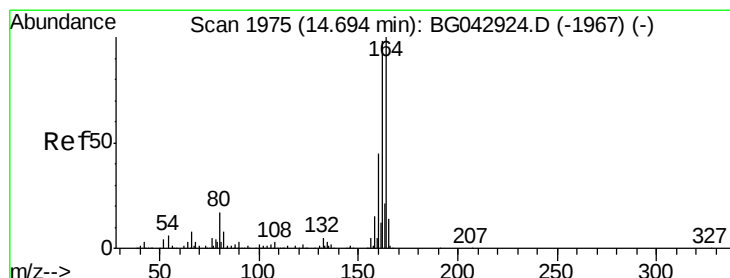
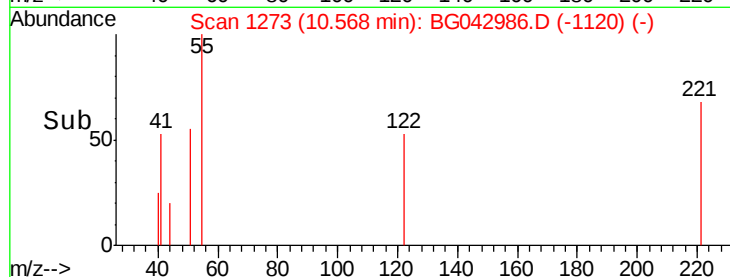
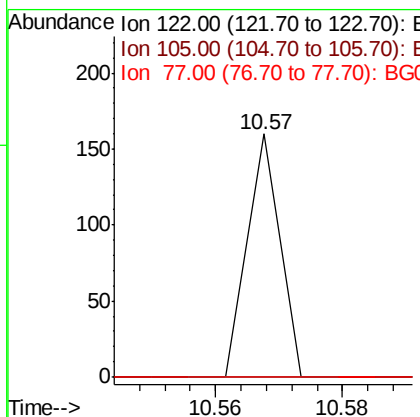
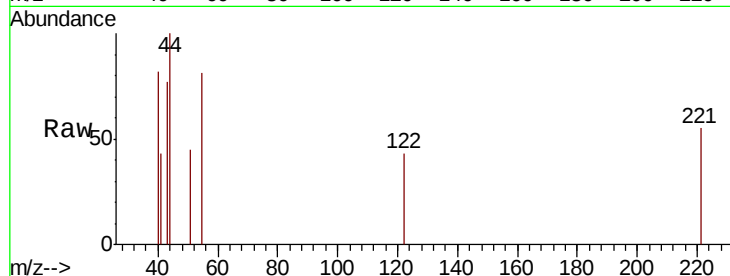




#32
Benzoic acid
Concen: 2.825 ng
RT: 10.57 min Scan# 1273
Delta R.T. 0.37 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

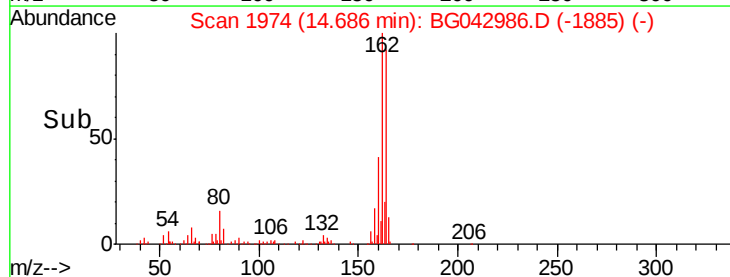
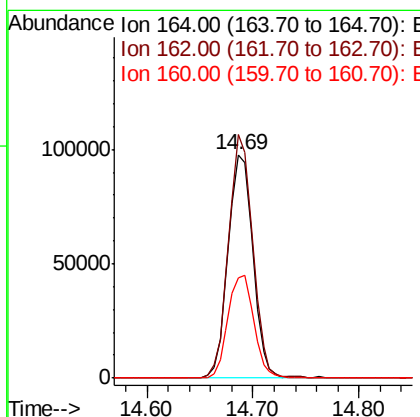
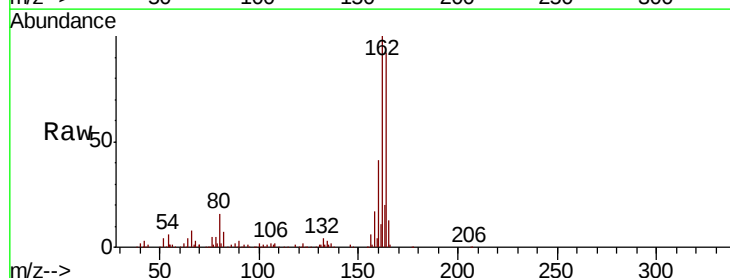
Instrument :
BNA_G
ClientSampleId :
PB123559BL

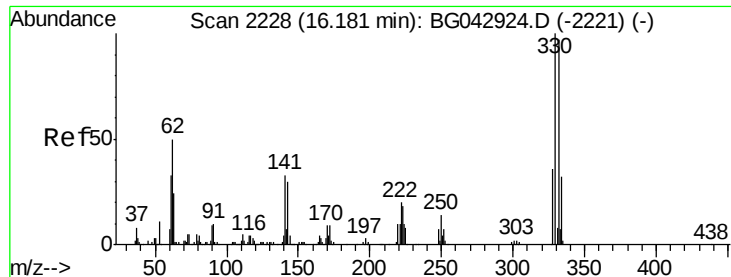
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.9	78.5	117.7
160	45.1	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 146.663 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Instrument :

BNA_G

ClientSampleId :

PB123559BL

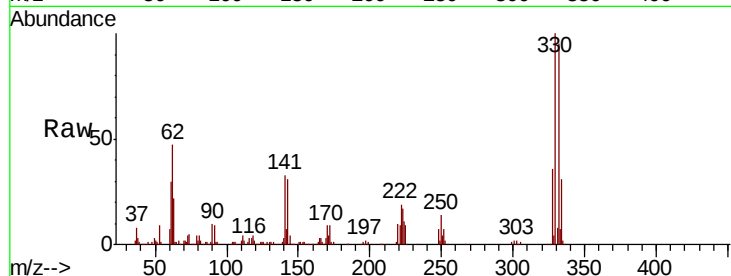
Tot Ion:330 Resp: 401707

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.2	117.2
141	30.7	26.0	39.0

330 100

332 95.7 78.2 117.2

141 30.7 26.0 39.0



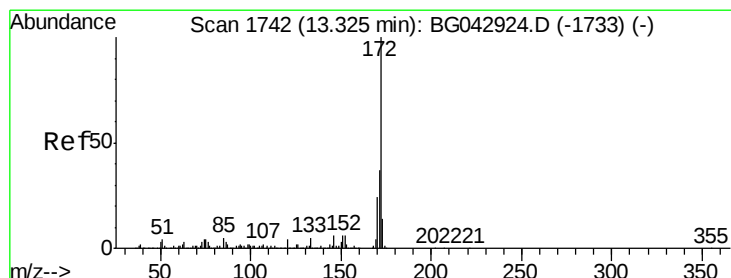
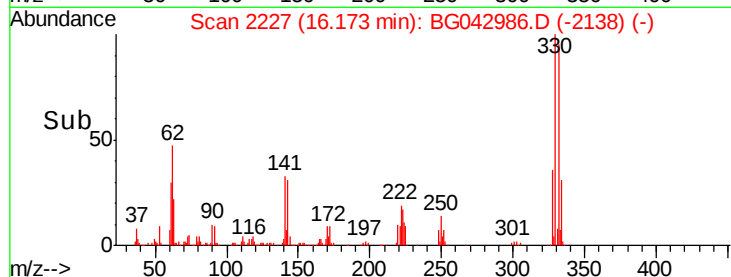
Abundance

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

Time-->



#45

2-Fluorobiphenyl

Concen: 98.966 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

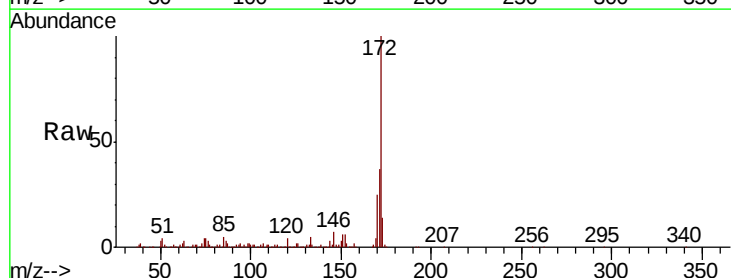
Tgt Ion:172 Resp: 1087380

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.6	19.6	29.4

172 100

171 37.1 29.6 44.4

170 24.6 19.6 29.4



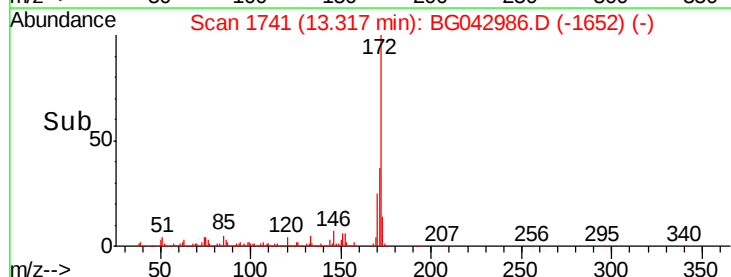
Abundance

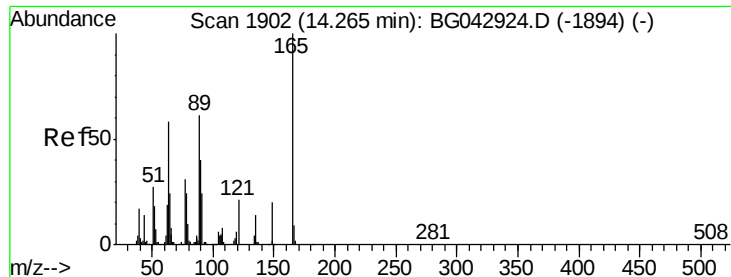
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time-->





#51

2,6-Dinitrotoluene

Concen: 8.557 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.42 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Instrument :

BNA_G

ClientSampleId :

PB123559BL

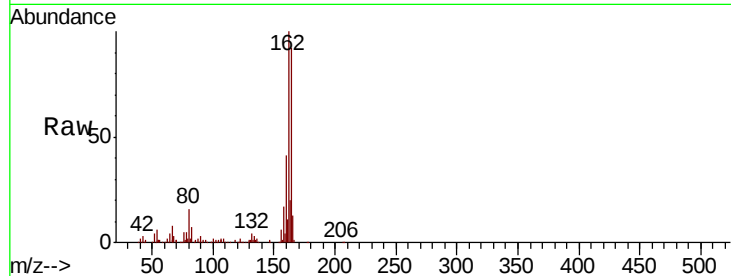
Tot Ion:165 Resp: 21749

Ion Ratio Lower Upper

165 100

63 2.2 50.3 75.5#

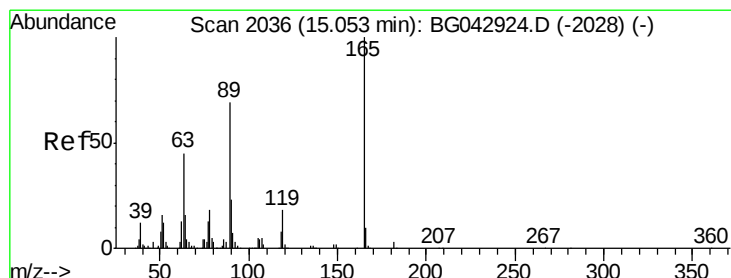
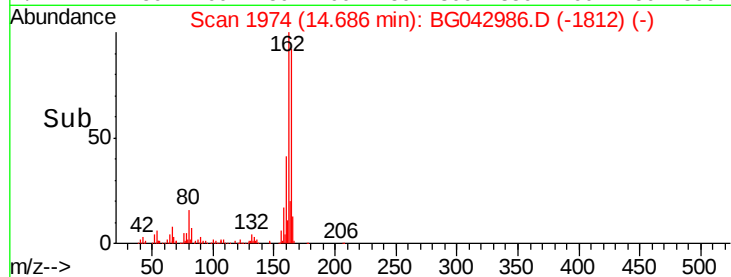
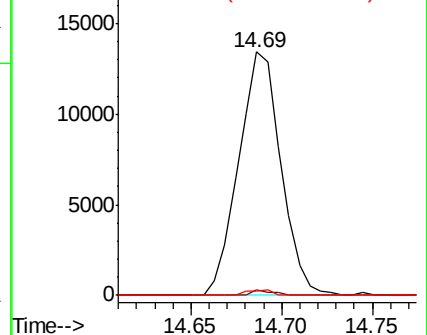
89 1.5 48.9 73.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.844 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Tgt Ion:165 Resp: 21749

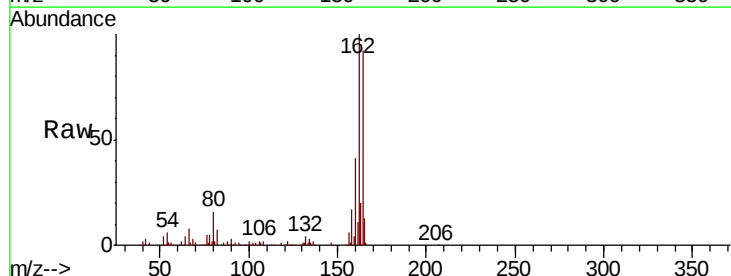
Ion Ratio Lower Upper

165 100

63 2.2 36.5 54.7#

89 1.5 55.5 83.3#

182 0.0 2.4 3.6#

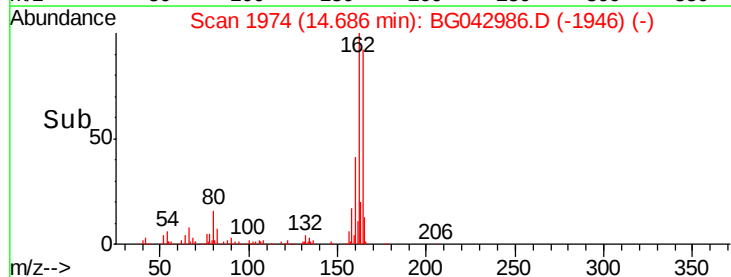
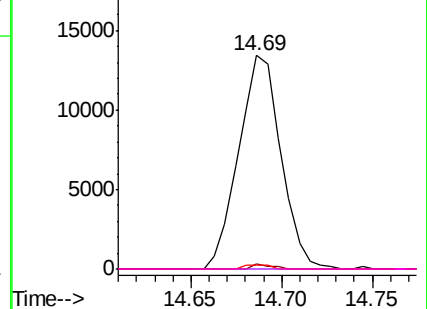


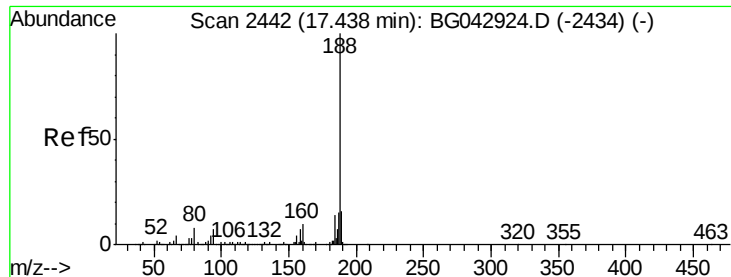
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042986.D

Acq: 2 Oct 2019 15:53

Instrument :

BNA_G

ClientSampleId :

PB123559BL

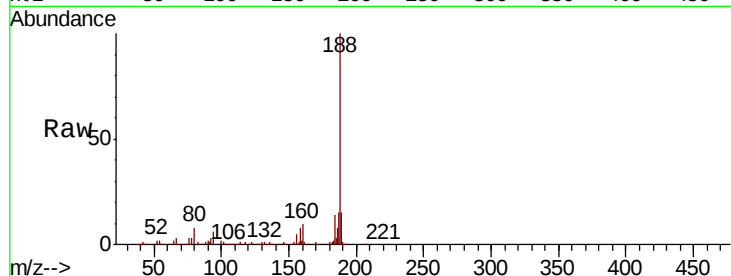
Tot Ion:188 Resp: 377131

Ion Ratio Lower Upper

188 100

94 6.3 5.7 8.5

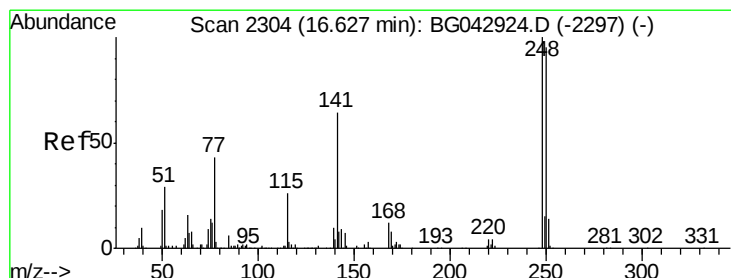
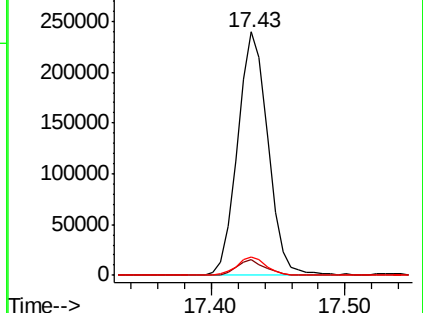
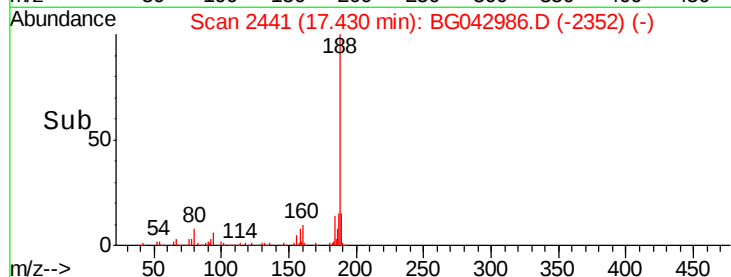
80 7.6 6.5 9.7



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



#67

4-Bromophenyl-phenylether

Concen: 5.532 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

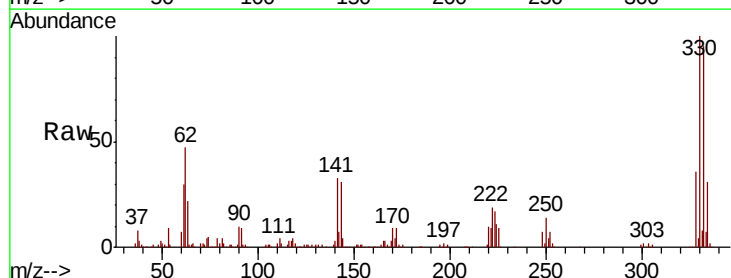
Tgt Ion:248 Resp: 26187

Ion Ratio Lower Upper

248 100

250 213.1 75.8 113.8#

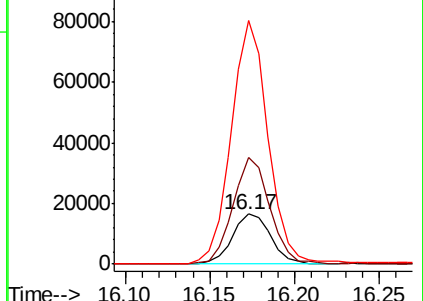
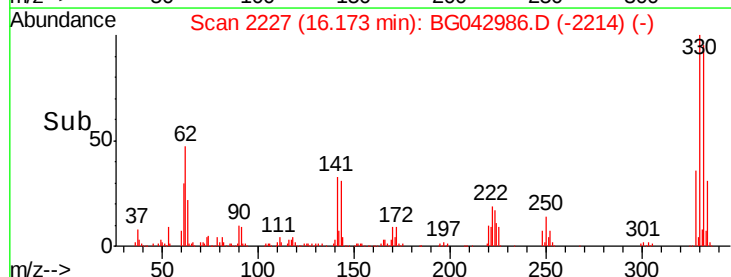
141 487.3 51.1 76.7#

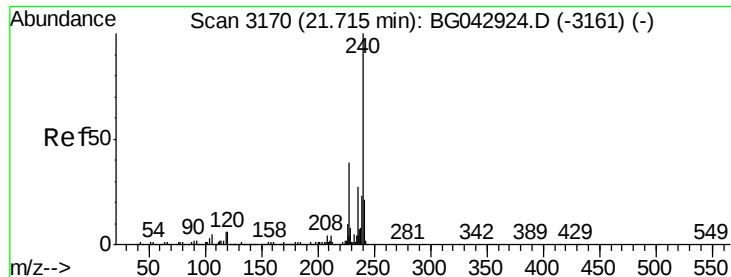


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

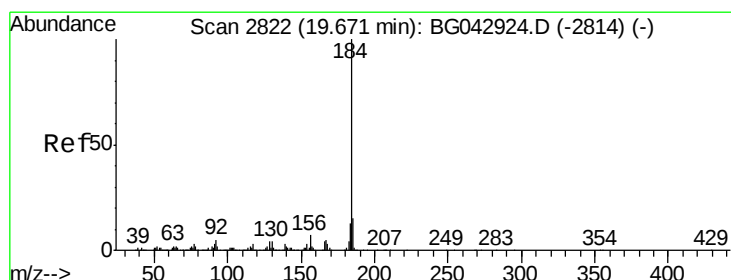
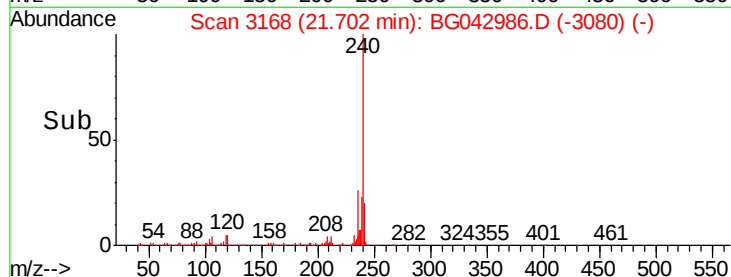
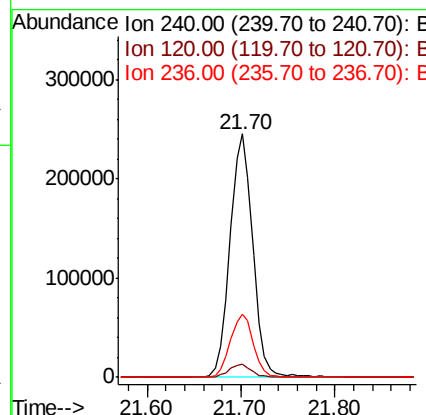
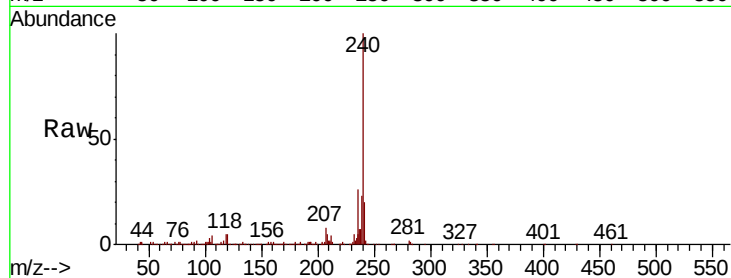




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

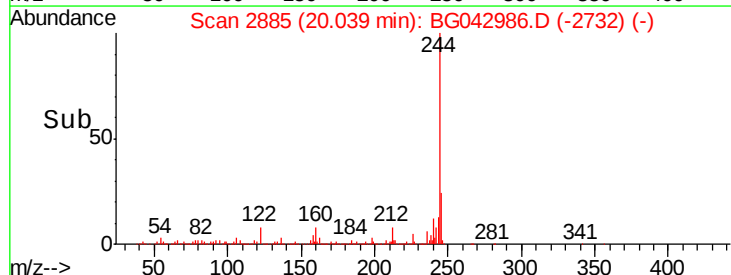
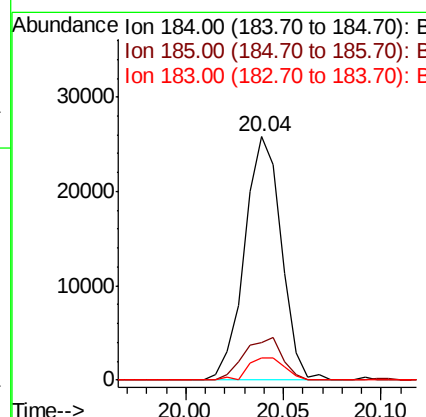
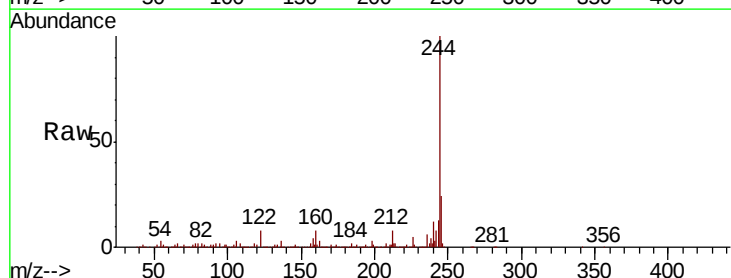
Instrument :
BNA_G
ClientSampleId :
PB123559BL

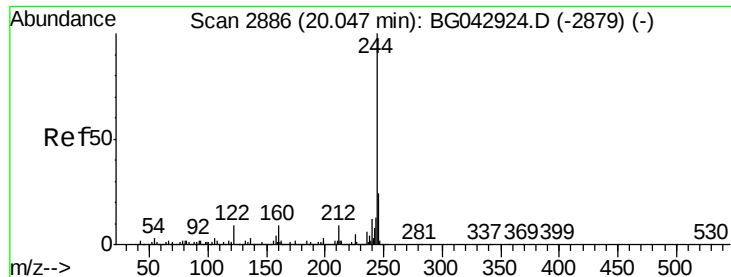
Tot Ion:240 Resp: 413556
Ion Ratio Lower Upper
240 100
120 5.2 4.8 7.2
236 25.8 21.4 32.0



#77
Benzidine
Concen: 3.243 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.37 min
Lab File: BG042986.D
Acq: 2 Oct 2019 15:53

Tgt Ion:184 Resp: 33586
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 8.9 10.1 15.1#





#79

Terphenyl-d14

Concen: 105.067 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

Instrument :

BNA_G

ClientSampleId :

PB123559BL

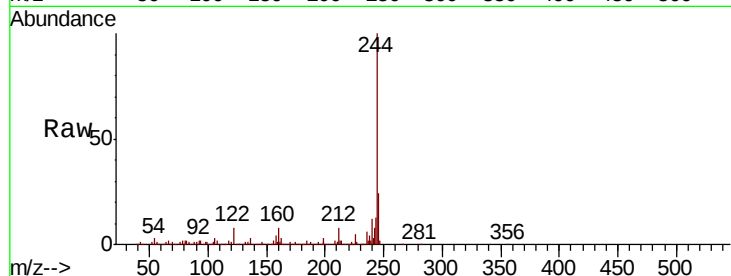
Tot Ion:244 Resp: 2039124

Ion Ratio Lower Upper

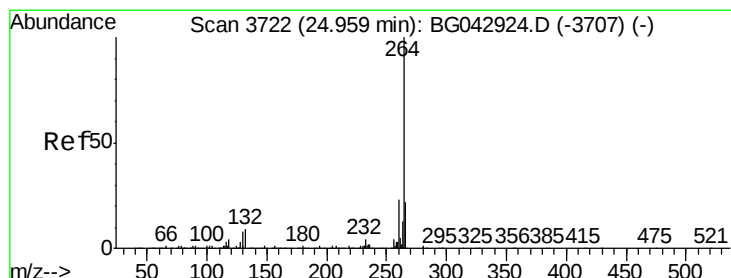
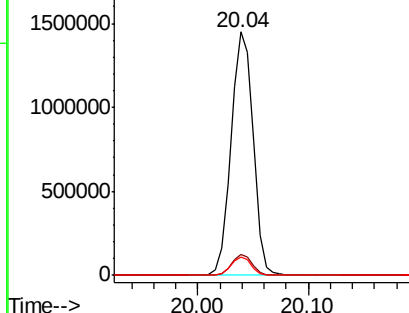
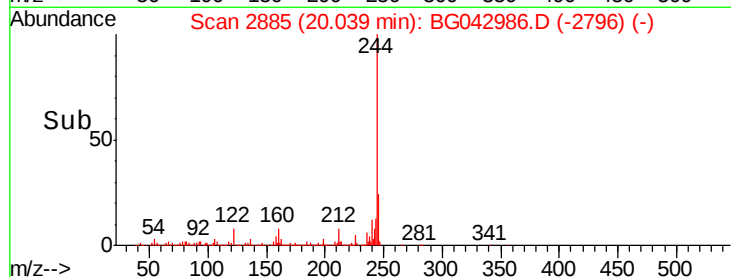
244 100

212 8.4 7.4 11.0

122 7.7 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
2000000
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: 24.93 min Scan# 3717

Delta R.T. -0.03 min

Lab File: BG042986.D

Acq: 2 Oct 2019 15:53

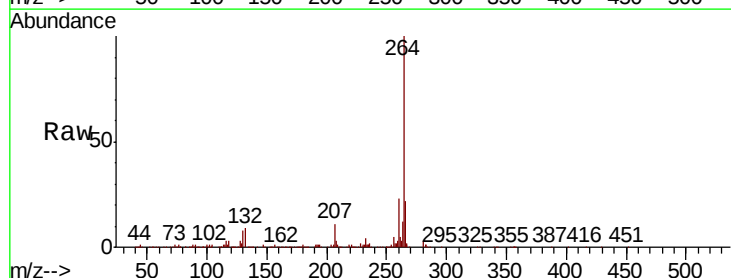
Tgt Ion:264 Resp: 463004

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.9 17.7 26.5



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

