

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG043004.D
 Acq On : 3 Oct 2019 4:04
 Operator : JU
 Sample : PB123570TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123570TB

Quant Time: Oct 03 06:04:08 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

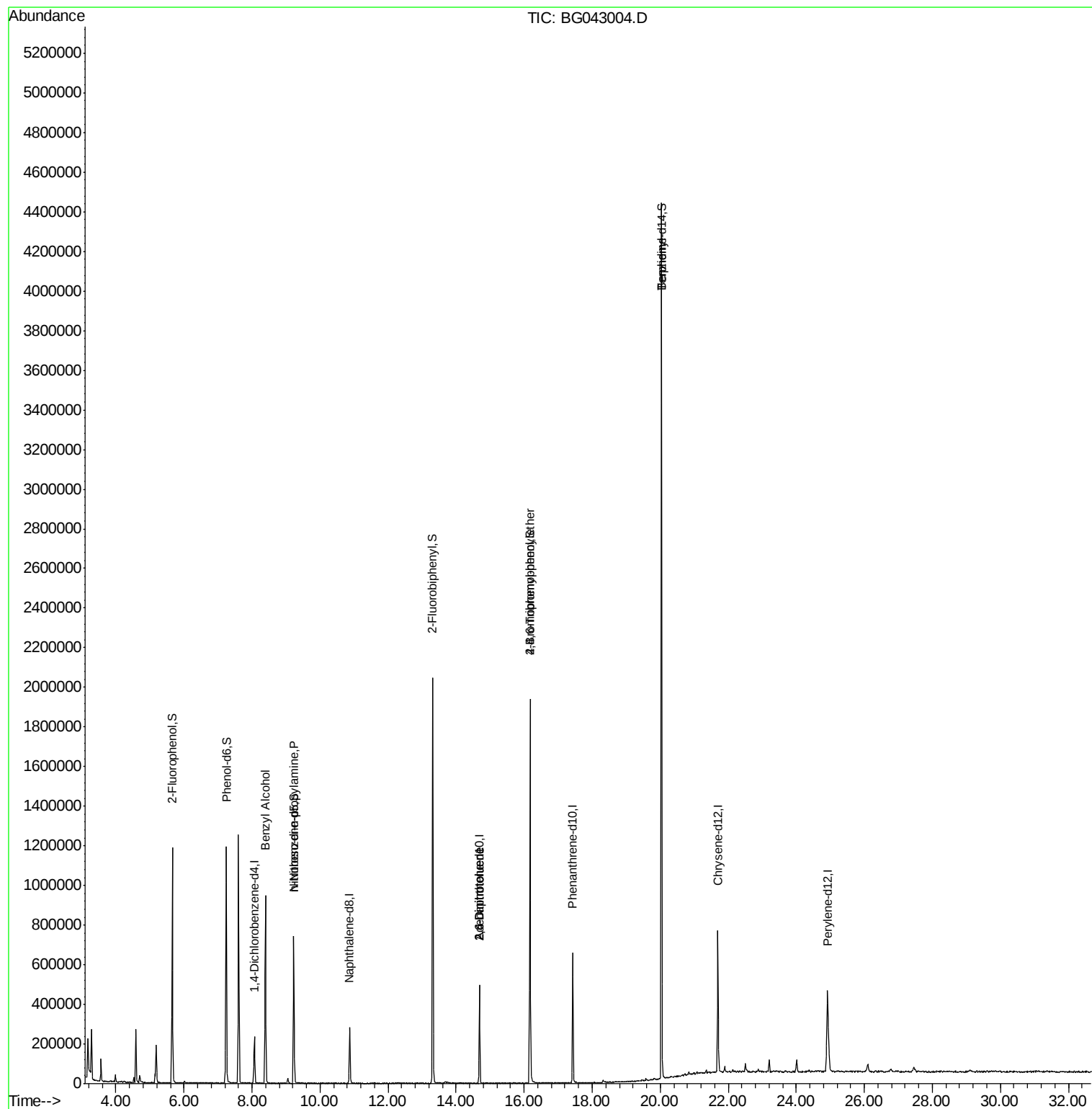
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	67228	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	247105	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	174980	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	417414	20.00	ng	0.00
76) Chrysene-d12	21.69	240	439115	20.00	ng	-0.02
87) Perylene-d12	24.92	264	464464	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	481736	127.88	ng	0.00
7) Phenol-d6	7.24	99	659560	121.58	ng	0.00
23) Nitrobenzene-d5	9.23	82	462038	90.88	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	425120	141.29	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1136211	94.13	ng	-0.01
79) Terphenyl-d14	20.04	244	2070942	100.50	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	8628	2.115	ng	# 70
19) n-Nitroso-di-n-propylamine	9.23	70	63168	17.733	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	24650	8.829	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	24650	6.029	ng	# 23
67) 4-Bromophenyl-phenylether	16.17	248	28751	5.488	ng	# 1
77) Benzidine	20.04	184	35479	3.227	ng	# 94

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

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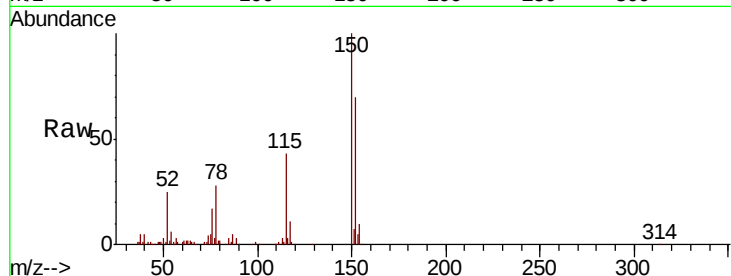


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

Instrument :
BNA_G
ClientSampleId :
PB123570TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.5	115.0	172.4
115	61.8	47.0	70.6

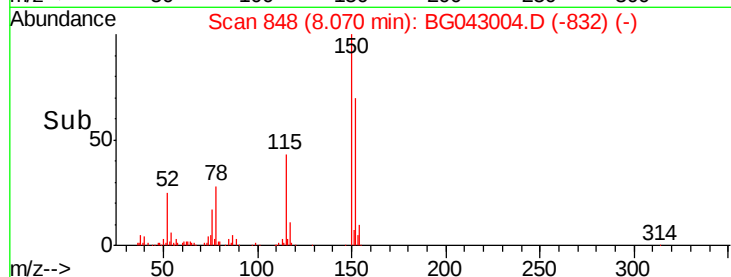
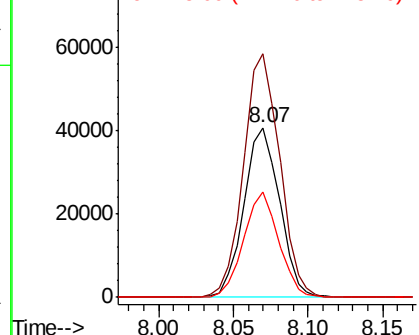


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

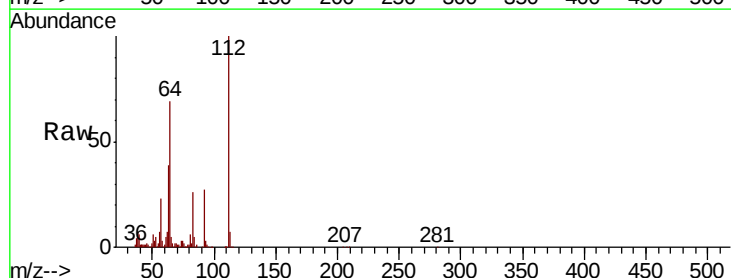
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.881 ng
RT: 5.65 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	56.6	84.8
63	39.0	35.1	52.7

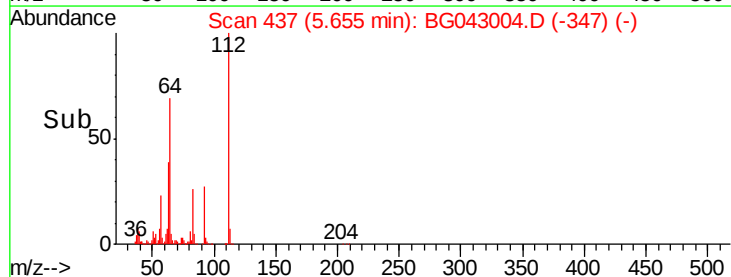
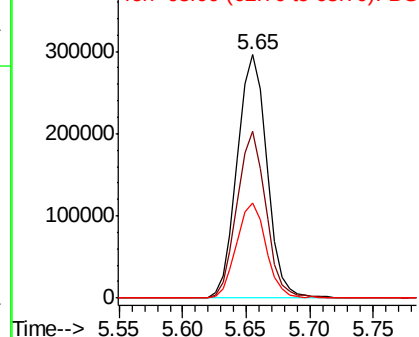


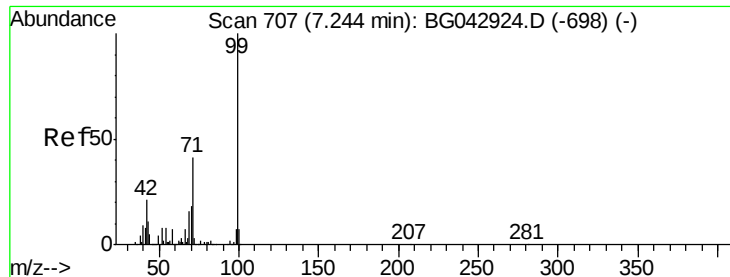
Abundance

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: 121.582 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

Instrument :

BNA_G

ClientSampleId :

PB123570TB

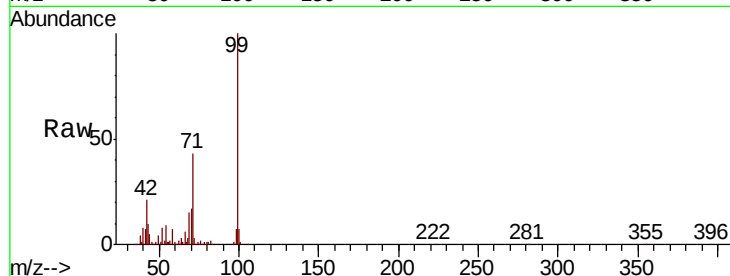
Tot Ion: 99 Resp: 659560

Ion Ratio Lower Upper

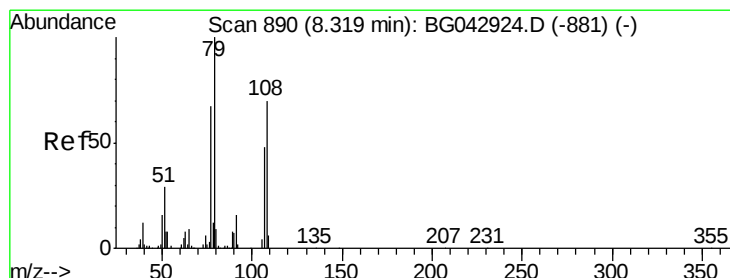
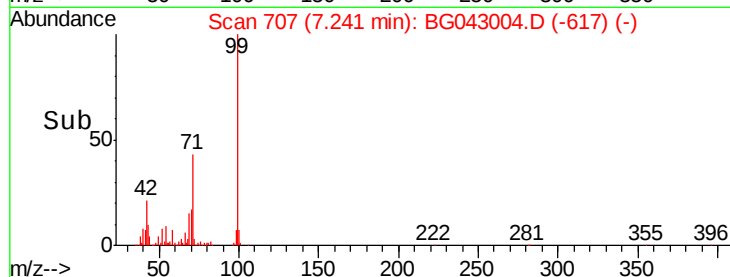
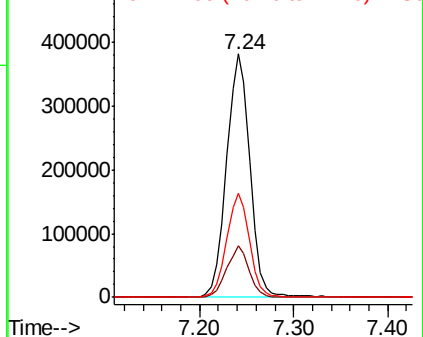
99 100

42 21.1 17.2 25.8

71 42.9 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



#15

Benzyl Alcohol

Concen: 2.115 ng

RT: 8.39 min Scan# 903

Delta R.T. 0.07 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

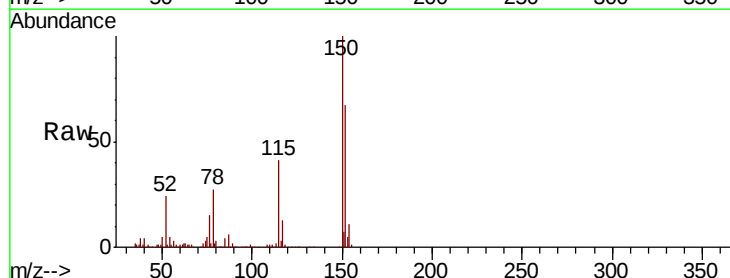
Tgt Ion: 79 Resp: 8628

Ion Ratio Lower Upper

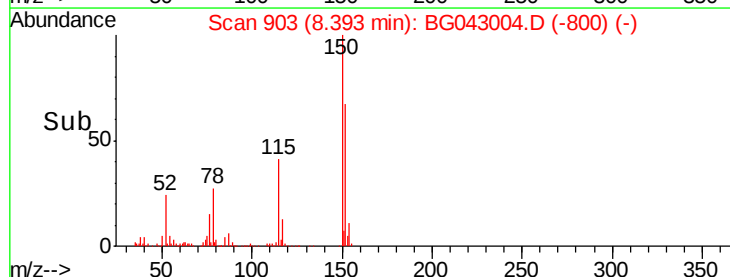
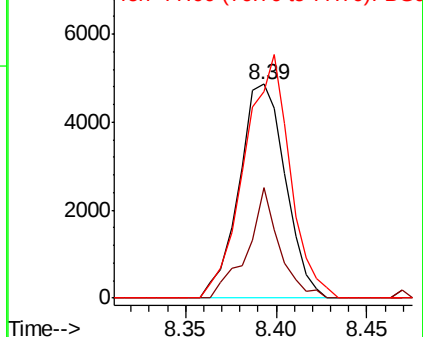
79 100

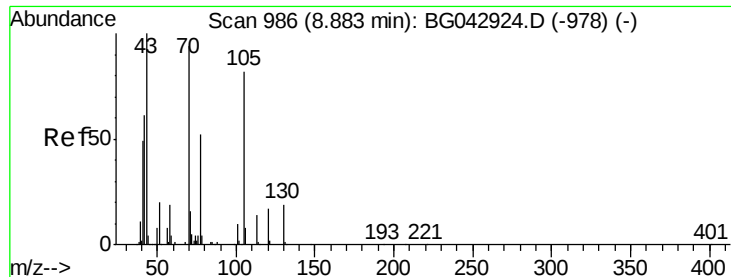
108 51.4 55.7 83.5#

77 96.7 53.3 79.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

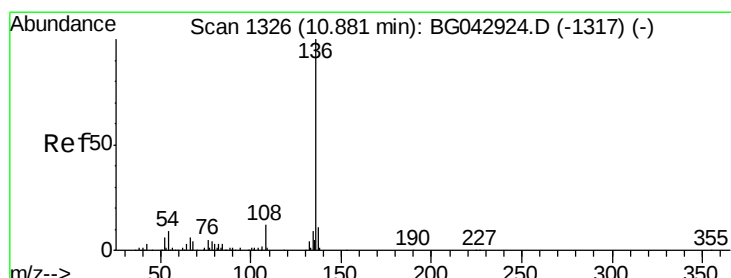
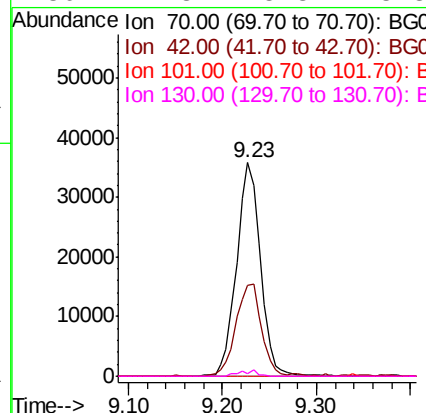
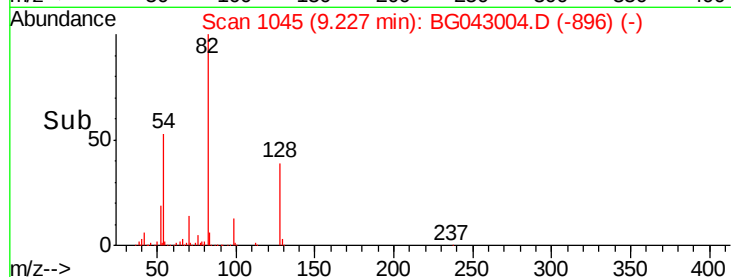
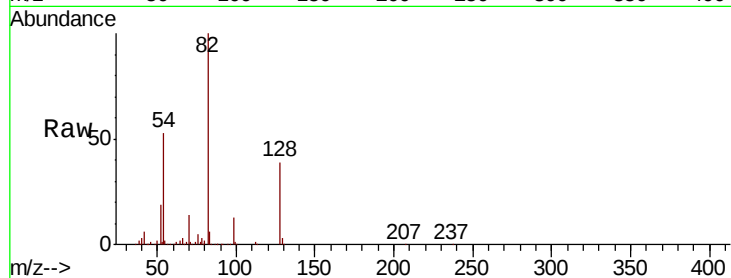




#19
n-Nitroso-di-n-propylamine
Concen: 17.733 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

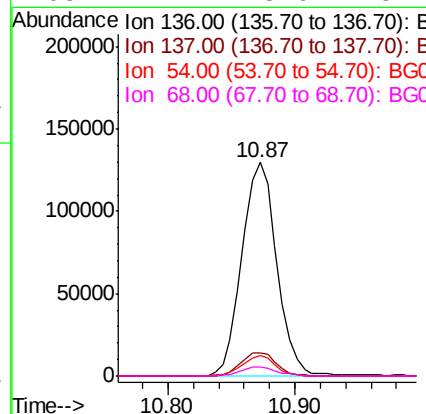
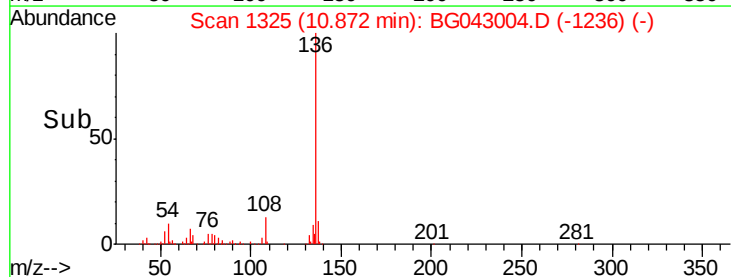
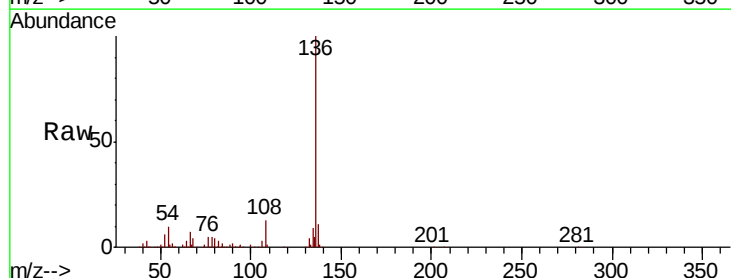
Instrument :
BNA_G
ClientSampleId :
PB123570TB

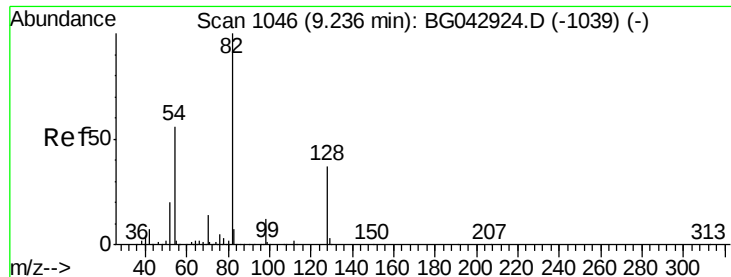
Tot Ion: 70 Resp: 63168
Ion Ratio Lower Upper
70 100
42 42.3 52.6 79.0#
101 0.0 8.7 13.1#
130 1.3 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

Tgt Ion: 136 Resp: 247105
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 9.5 7.4 11.2
68 4.2 3.6 5.4

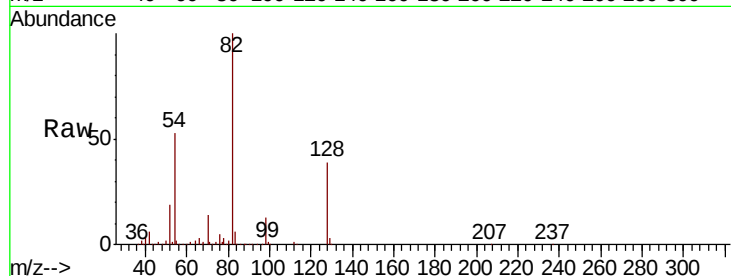




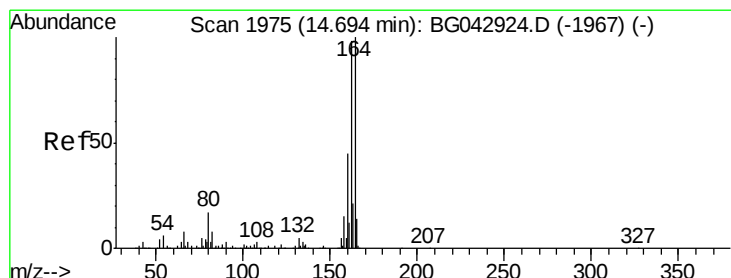
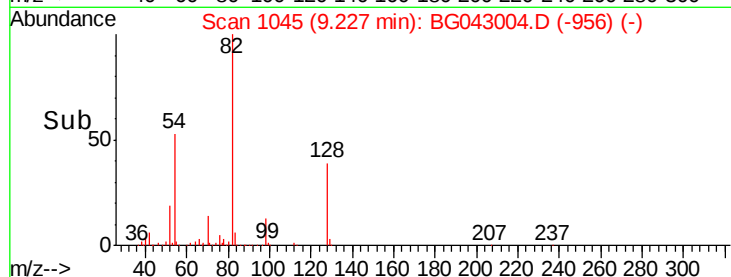
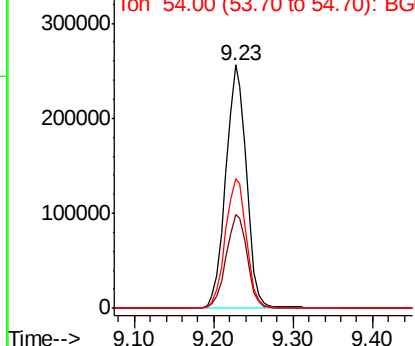
#23
Nitrobenzene-d5
Concen: 90.882 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

Instrument :
BNA_G
ClientSampleId :
PB123570TB

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.5	44.3
54	53.4	44.6	67.0

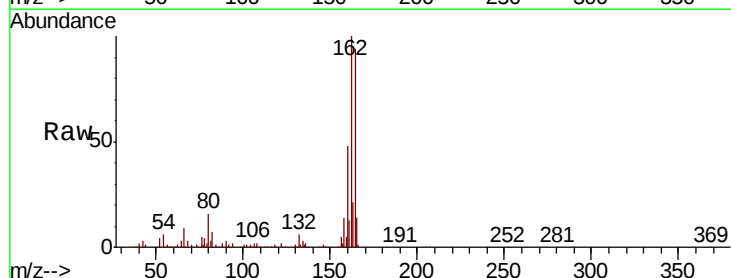


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

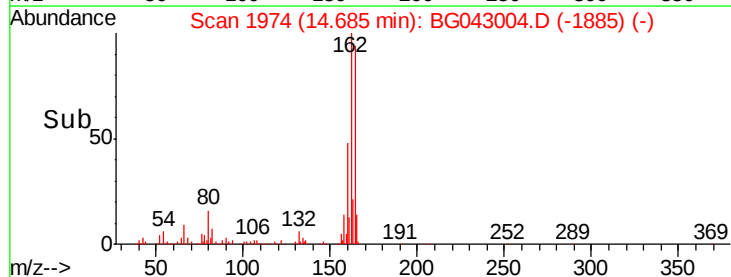
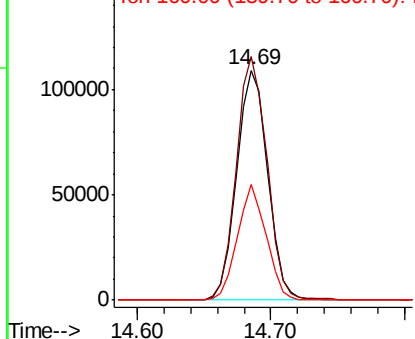


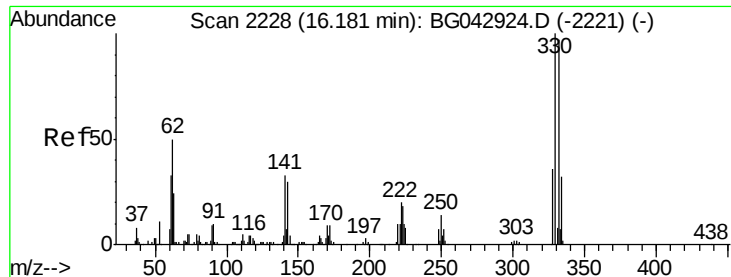
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG043004.D
Acq: 3 Oct 2019 4:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	78.5	117.7
160	50.6	35.9	53.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

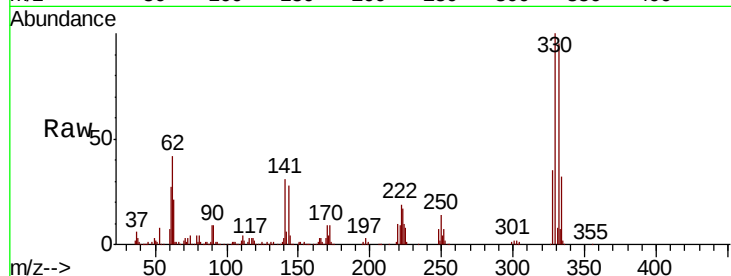




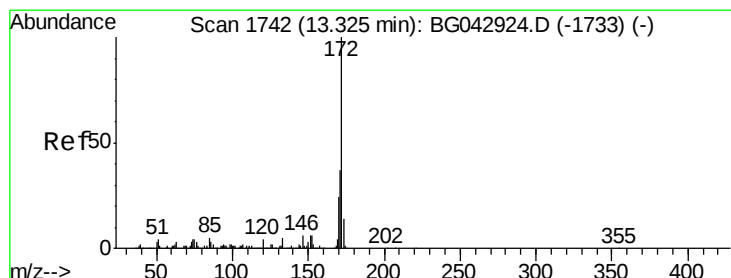
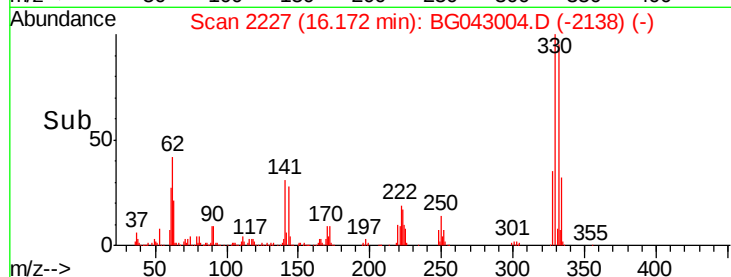
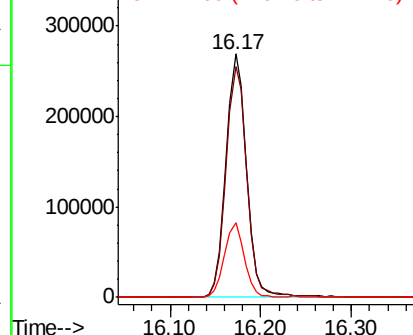
#42
 2,4,6-Tribromophenol
 Concen: 141.288 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

Instrument :
 BNA_G
 ClientSampleId :
 PB123570TB

Tot Ion:330 Resp: 425120
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.2 117.2
 141 29.9 26.0 39.0

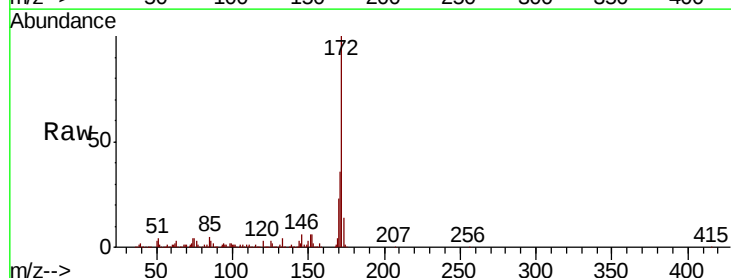


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

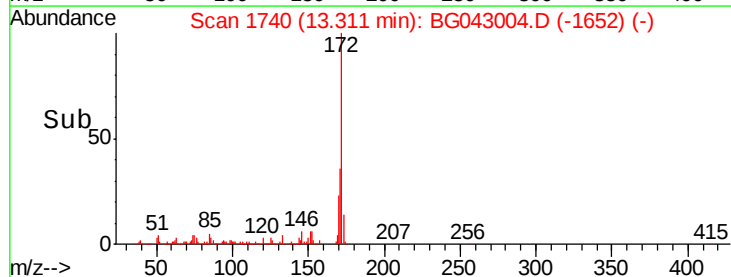
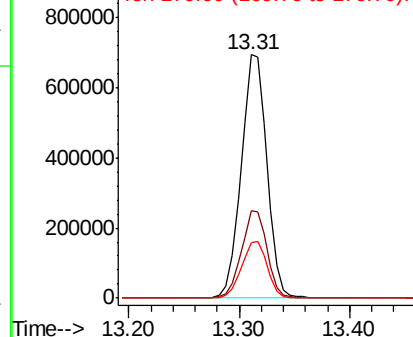


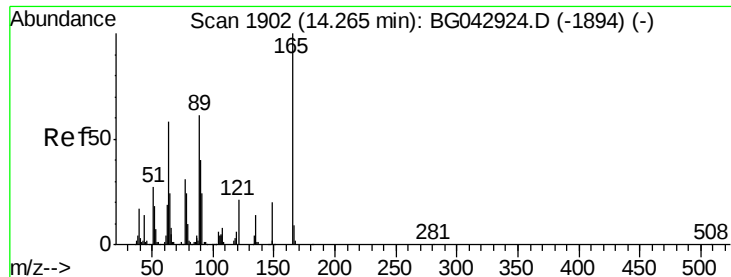
#45
 2-Fluorobiphenyl
 Concen: 94.134 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

Tgt Ion:172 Resp: 1136211
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.0 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

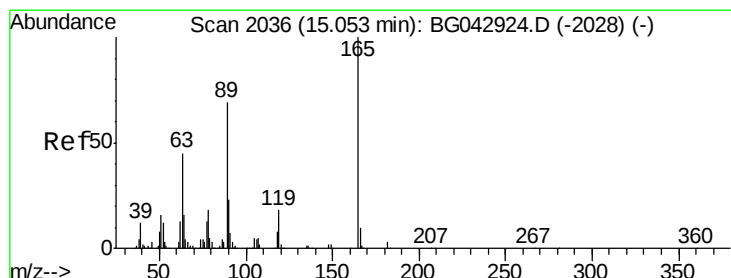
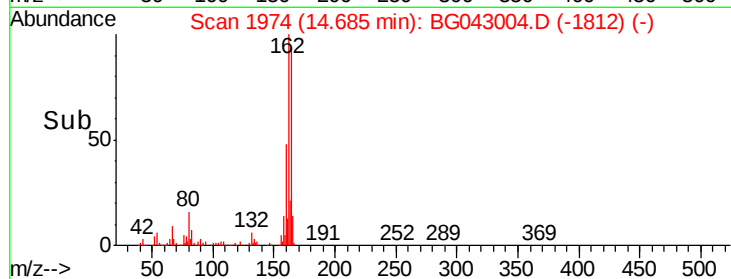
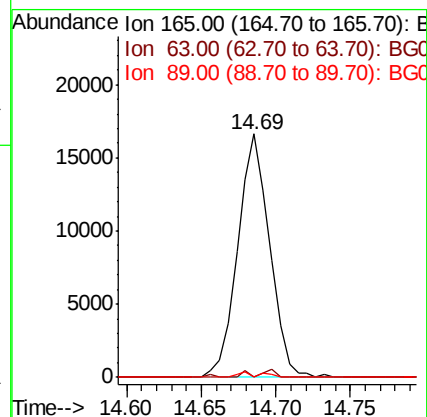
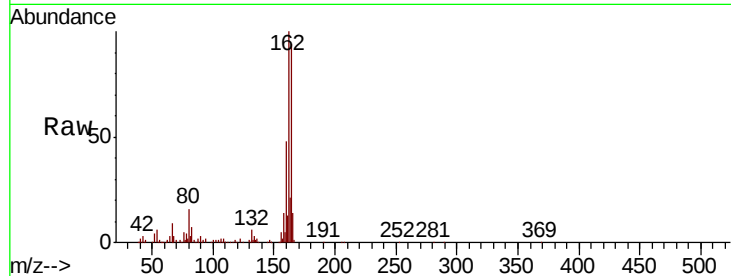




#51
 2,6-Dinitrotoluene
 Concen: 8.829 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.42 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

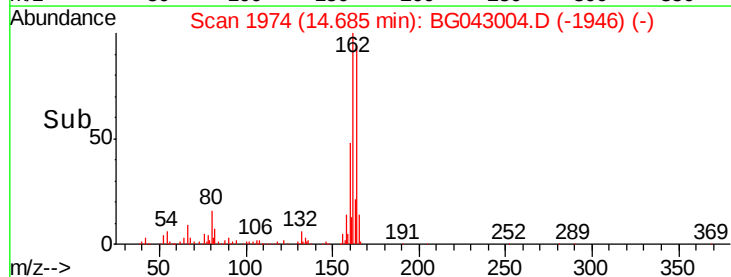
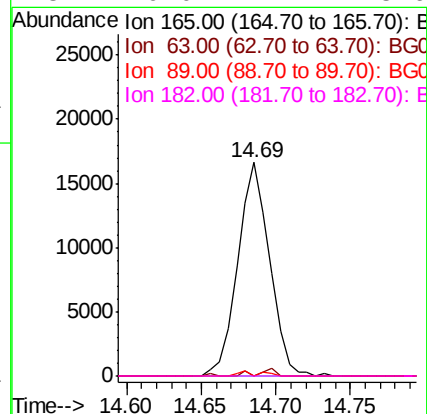
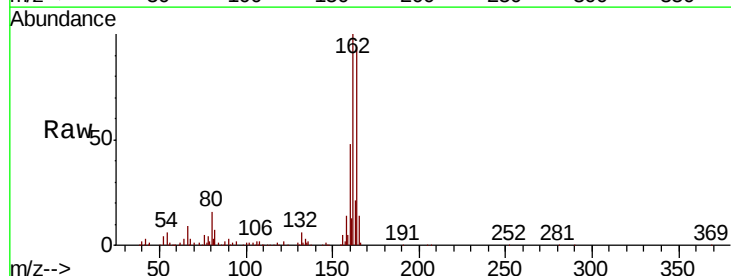
Instrument :
 BNA_G
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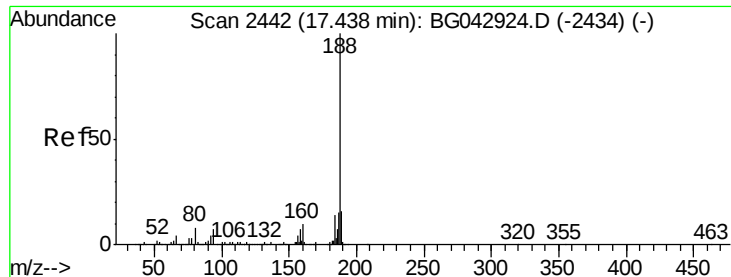
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.3	75.5#
89	0.0	48.9	73.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.029 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	0.0	55.5	83.3#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

Instrument :

BNA_G

ClientSampleId :

PB123570TB

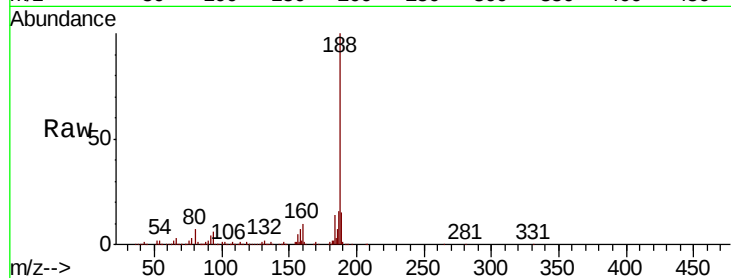
Tot Ion:188 Resp: 417414

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5

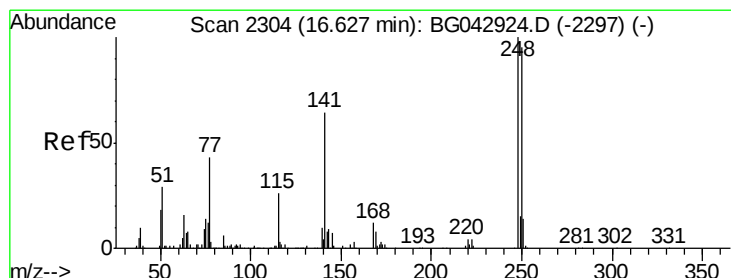
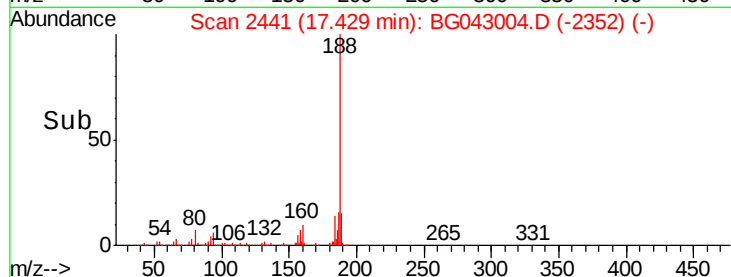
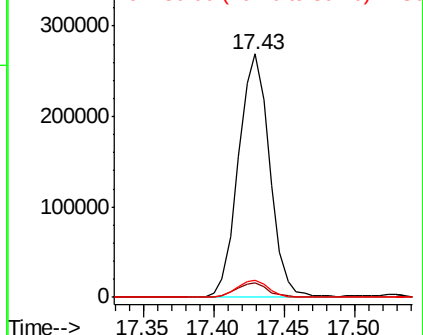
80 7.2 6.5 9.7



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: 5.488 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.46 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

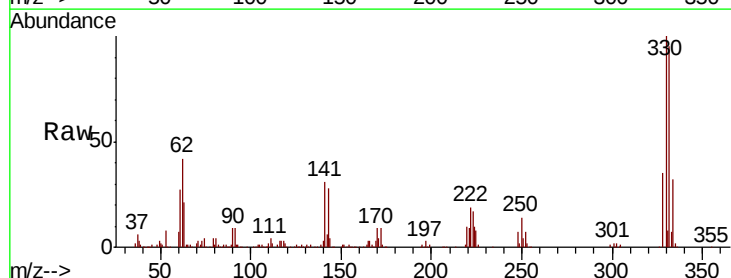
Tgt Ion:248 Resp: 28751

Ion Ratio Lower Upper

248 100

250 208.3 75.8 113.8#

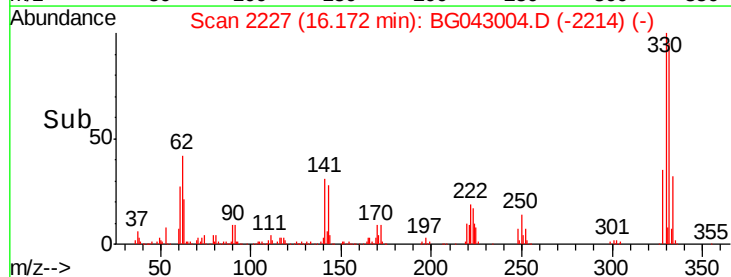
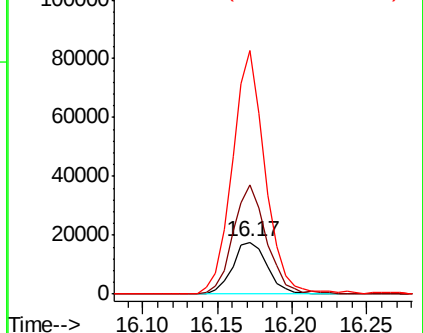
141 466.9 51.1 76.7#

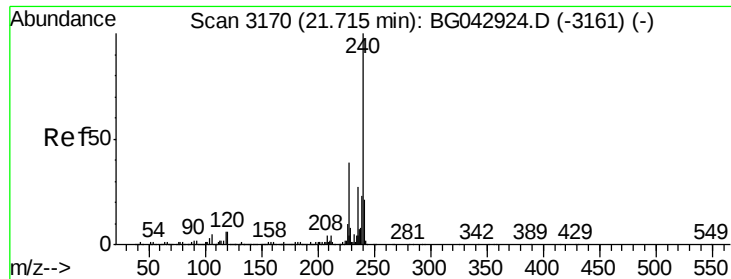


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

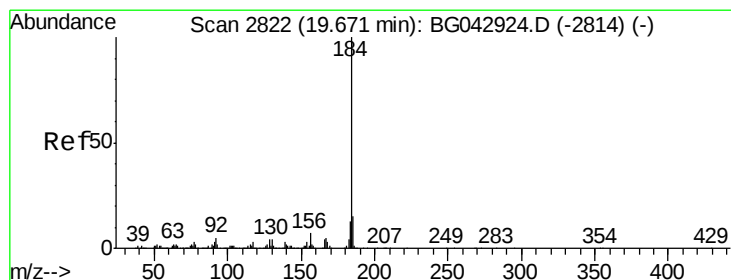
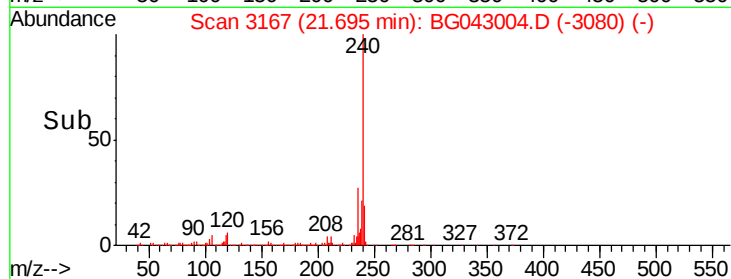
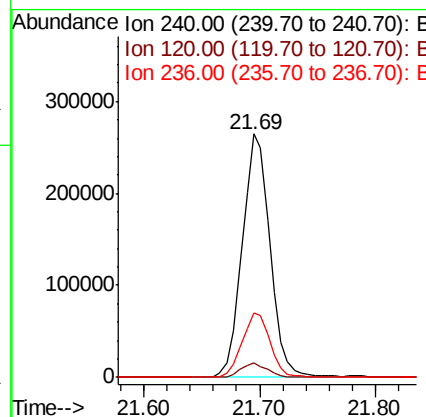
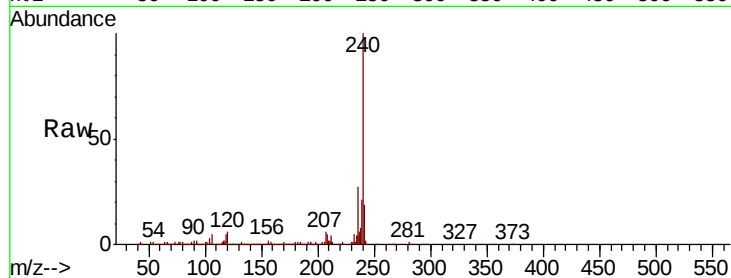




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

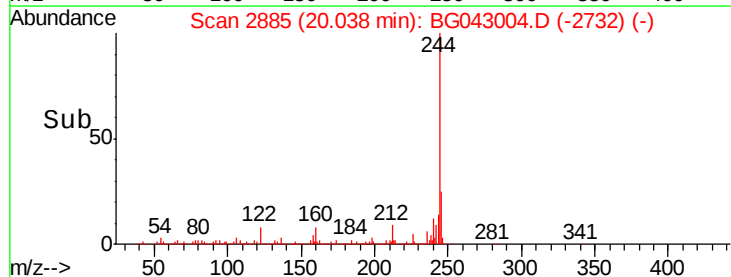
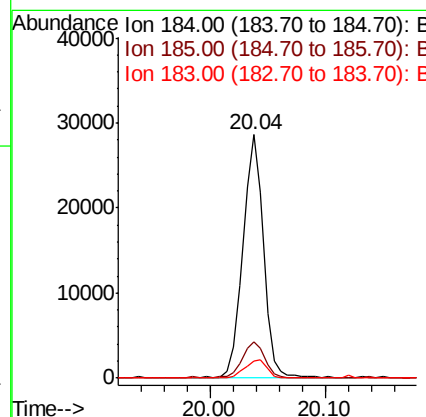
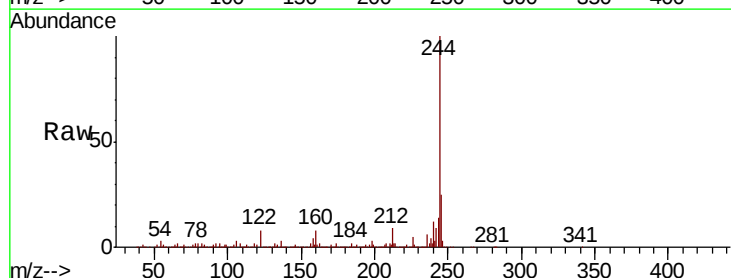
Instrument :
 BNA_G
 ClientSampleId :
 PB123570TB

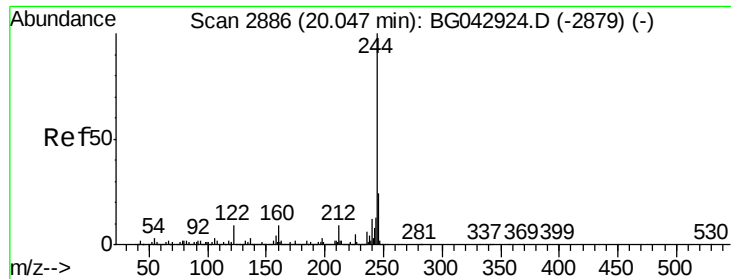
Tot Ion:240 Resp: 439115
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.8 7.2
 236 26.5 21.4 32.0



#77
 Benzidine
 Concen: 3.227 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.37 min
 Lab File: BG043004.D
 Acq: 3 Oct 2019 4:04

Tgt Ion:184 Resp: 35479
 Ion Ratio Lower Upper
 184 100
 185 14.9 11.8 17.8
 183 7.2 10.1 15.1#





#79

Terphenyl-d14

Concen: 100.496 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

Instrument :

BNA_G

ClientSampleId :

PB123570TB

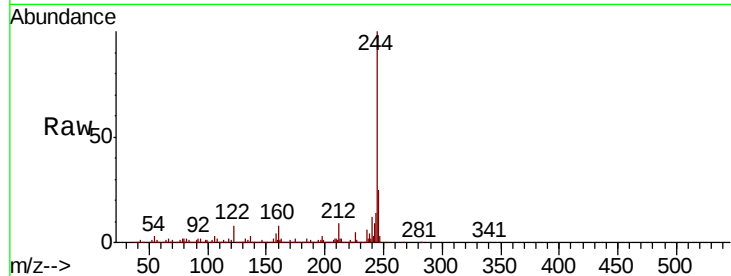
Tot Ion:244 Resp: 2070942

Ion Ratio Lower Upper

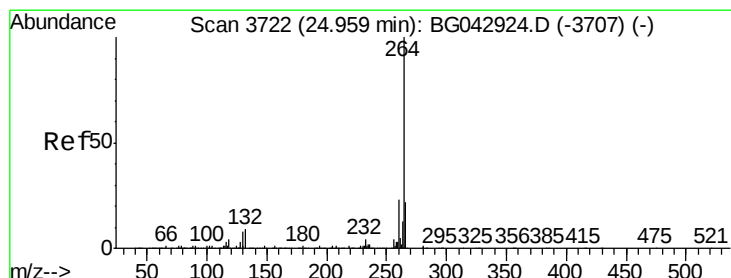
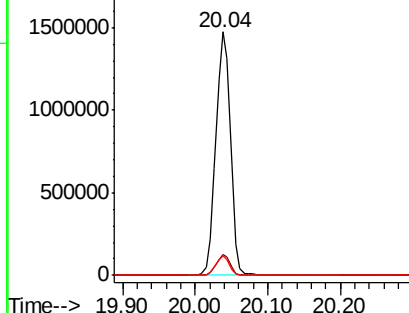
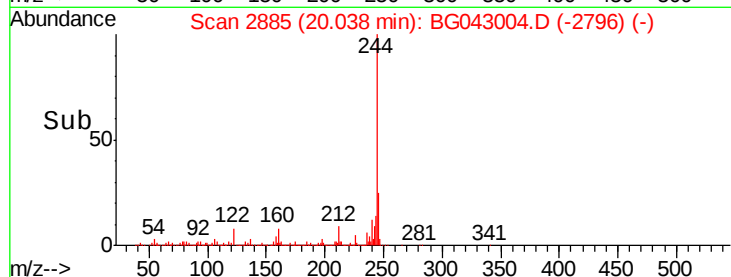
244 100

212 8.6 7.4 11.0

122 8.2 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: 24.92 min Scan# 3716

Delta R.T. -0.04 min

Lab File: BG043004.D

Acq: 3 Oct 2019 4:04

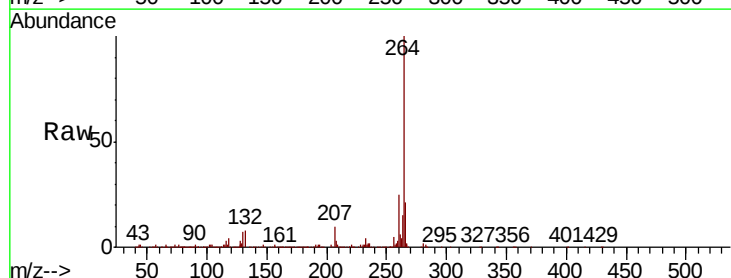
Tgt Ion:264 Resp: 464464

Ion Ratio Lower Upper

264 100

260 25.1 18.7 28.1

265 20.8 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

