

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042356.D
 Acq On : 20 Aug 2019 13:14
 Operator : HP/JU
 Sample : k4387-38
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:21:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

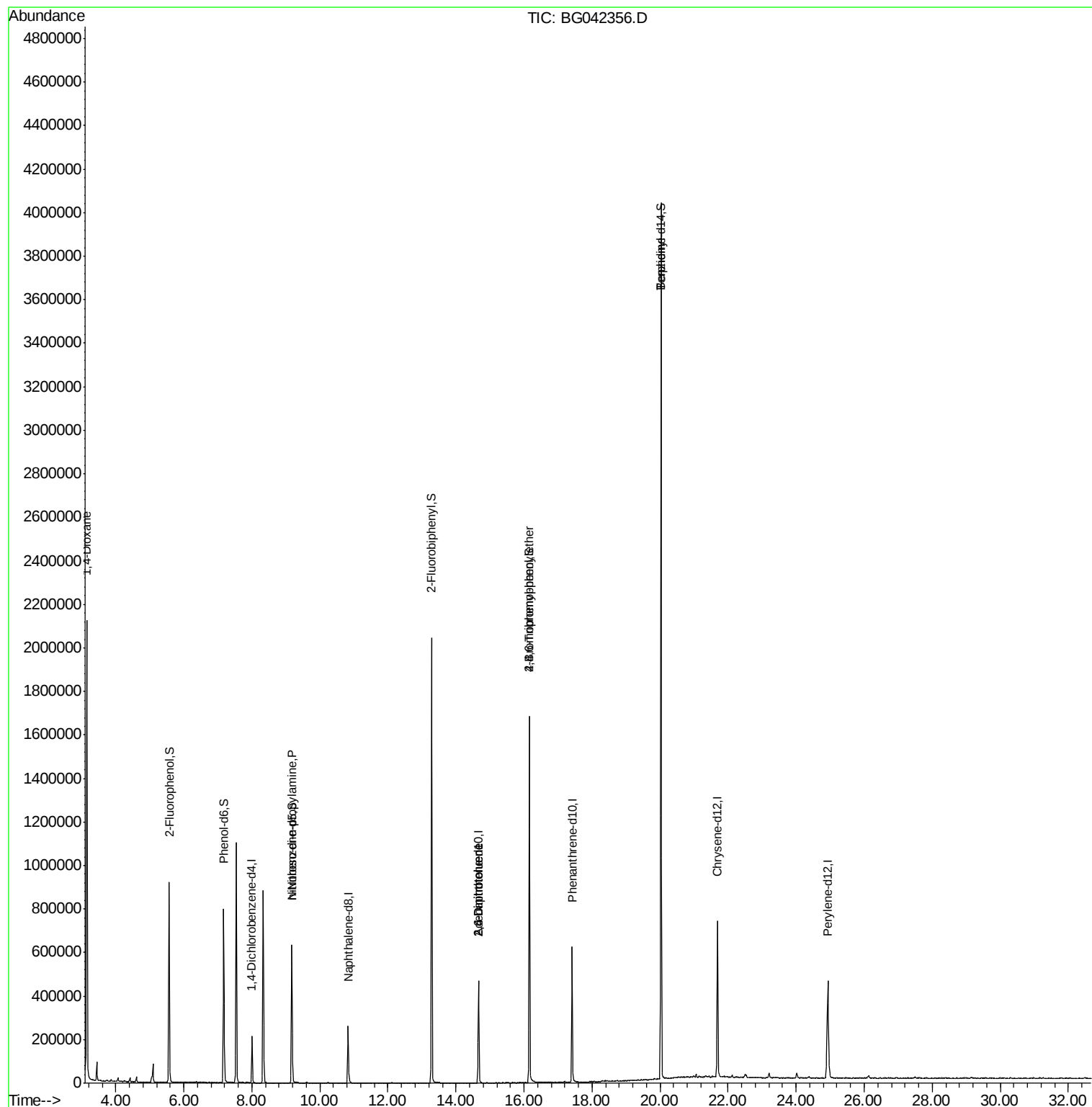
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	71183	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	276313	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	199689	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	444615	20.00	ng	0.00
76) Chrysene-d12	21.69	240	456504	20.00	ng	0.00
87) Perylene-d12	24.93	264	529909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	467088	132.95	ng	0.00
7) Phenol-d6	7.17	99	576617	120.85	ng	0.00
23) Nitrobenzene-d5	9.17	82	410413	104.47	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	407093	149.68	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1192633	101.06	ng	0.00
79) Terphenyl-d14	20.03	244	2036542	97.71	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	26161	17.267	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	51983	16.938	ng	# 71
51) 2,6-Dinitrotoluene	14.66	165	25737	7.750	ng	# 40
57) 2,4-Dinitrotoluene	14.66	165	25737	5.543	ng	# 37
67) 4-Bromophenyl-phenylether	16.15	248	29106	5.144	ng	# 1
77) Benzidine	20.02	184	29820	2.464	ng	# 91

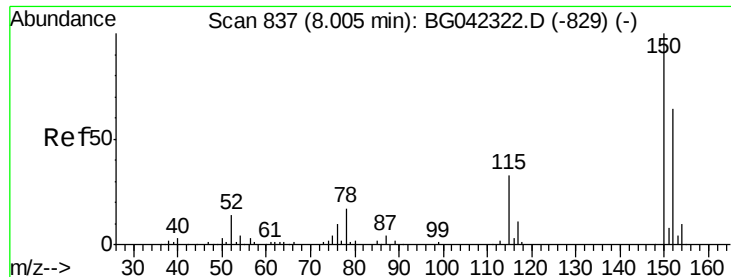
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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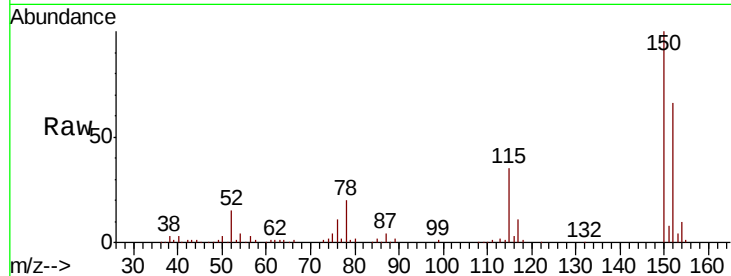


#1

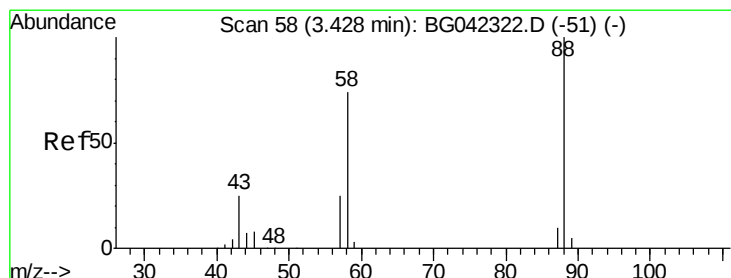
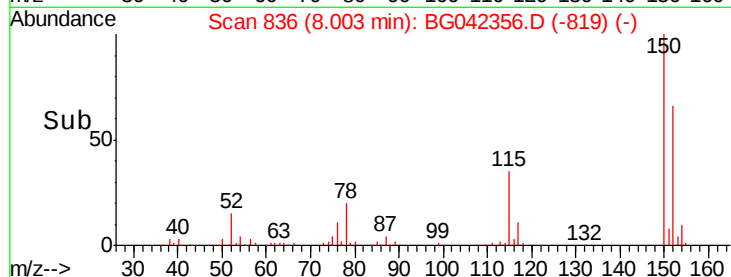
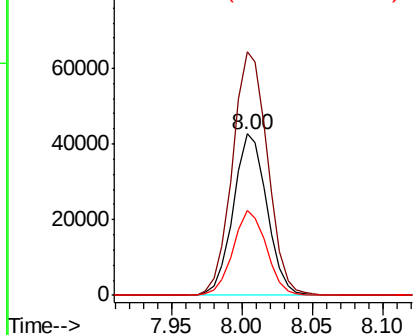
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71183
Ion Ratio Lower Upper
152 100
150 150.7 124.3 186.5
115 52.3 40.5 60.7



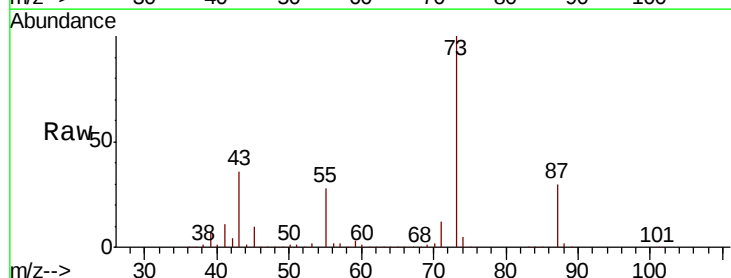
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



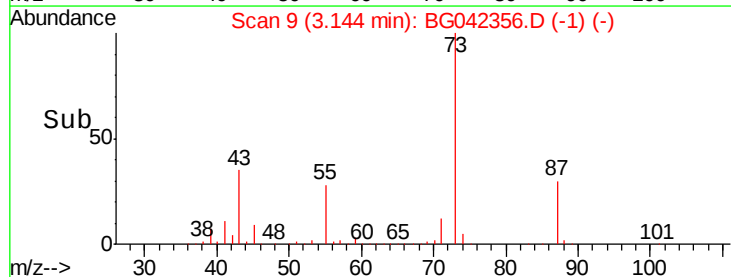
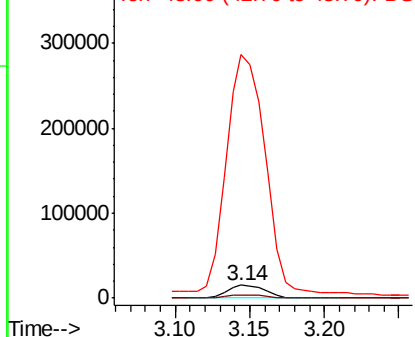
#2

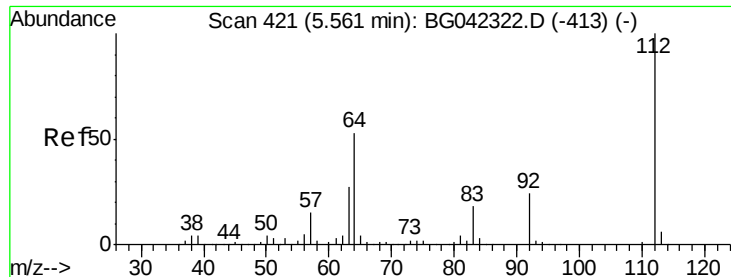
1,4-Dioxane
Concen: 17.267 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

Tgt Ion: 88 Resp: 26161
Ion Ratio Lower Upper
88 100
58 24.5 58.6 88.0#
43 1976.0 19.4 29.0#



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: 132.948 ng

RT: 5.57 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

Instrument :

BNA_G

ClientSampleId :

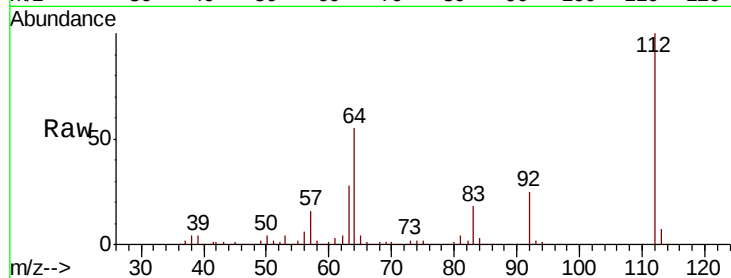
Tot Ion:112 Resp: 467088

Ion Ratio Lower Upper

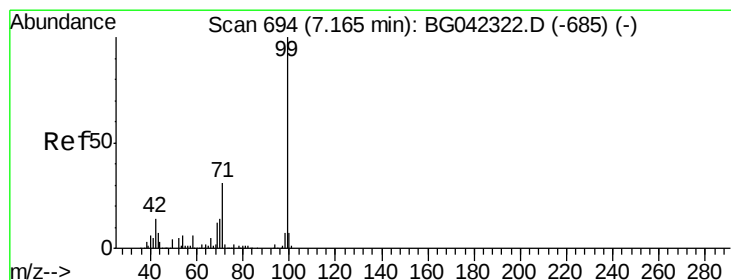
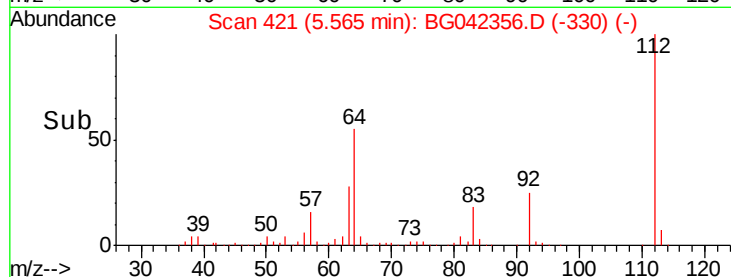
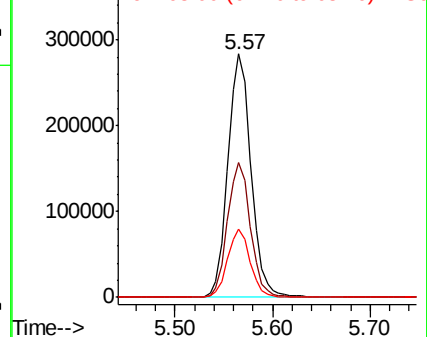
112 100

64 55.3 42.5 63.7

63 28.0 21.7 32.5



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: 120.846 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

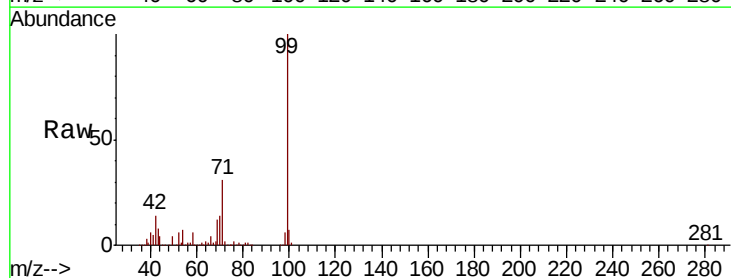
Tgt Ion: 99 Resp: 576617

Ion Ratio Lower Upper

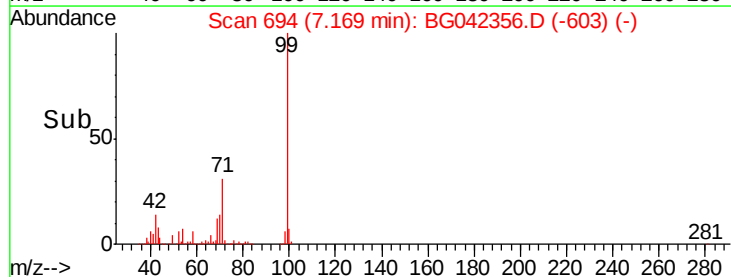
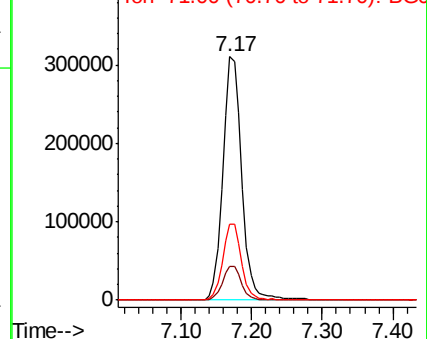
99 100

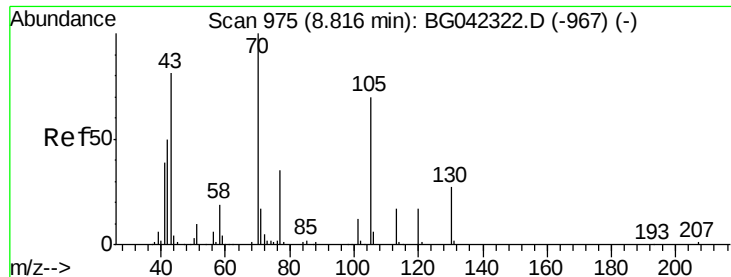
42 14.0 11.4 17.0

71 31.1 25.1 37.7



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: 16.938 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 51983

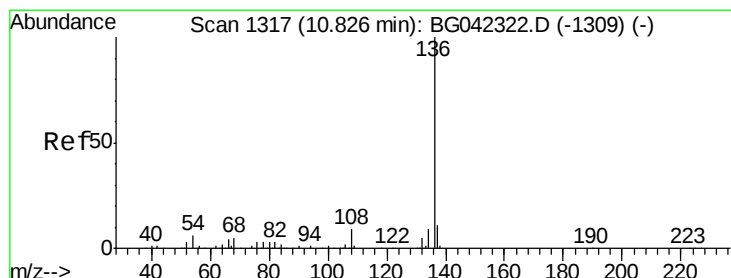
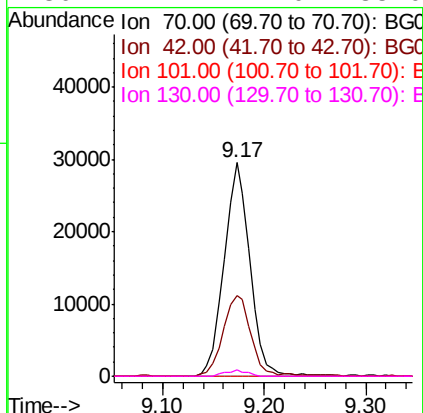
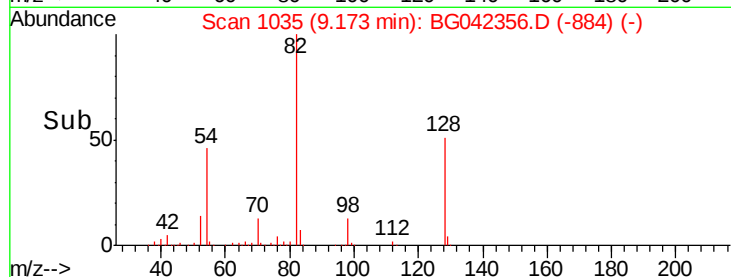
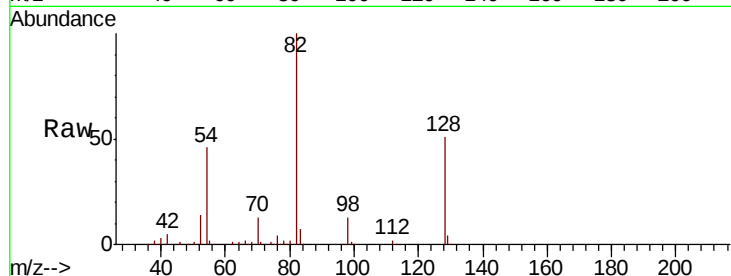
Ion Ratio Lower Upper

70 100

42 37.9 40.5 60.7#

101 0.0 9.3 13.9#

130 2.7 22.0 33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

Tgt Ion: 136 Resp: 276313

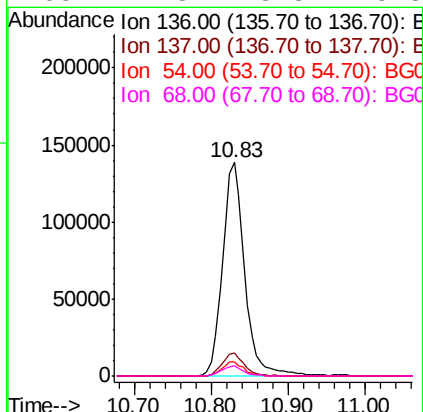
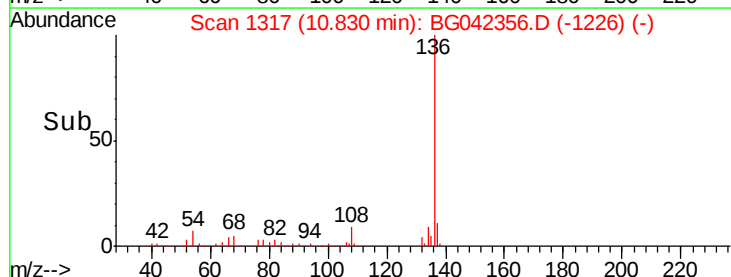
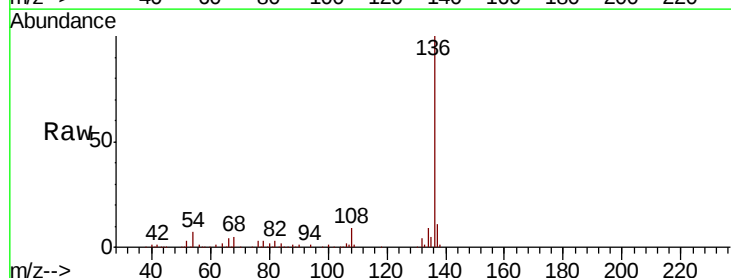
Ion Ratio Lower Upper

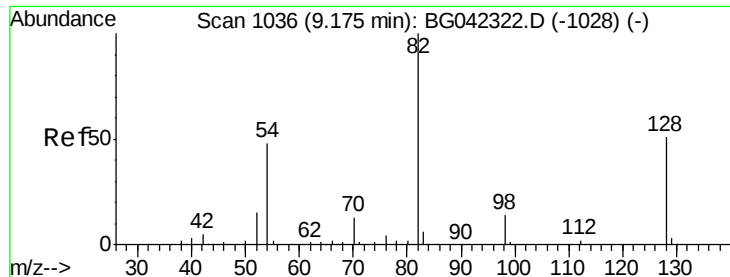
136 100

137 10.8 8.4 12.6

54 6.6 5.0 7.4

68 4.8 3.8 5.8

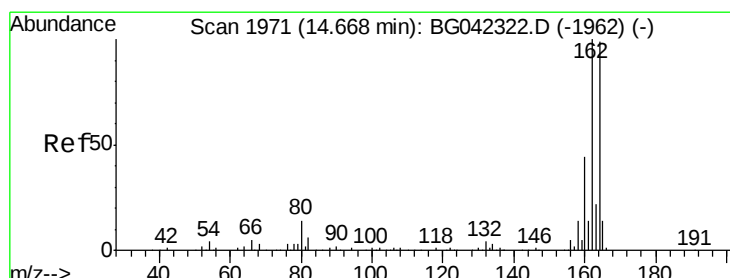
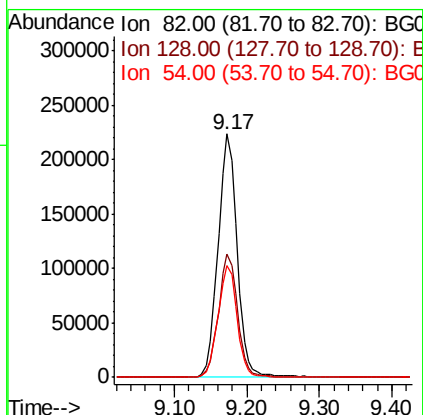
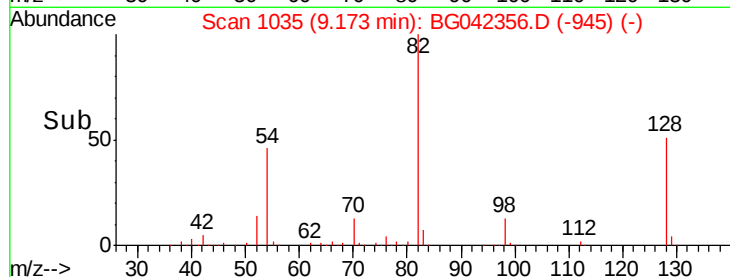
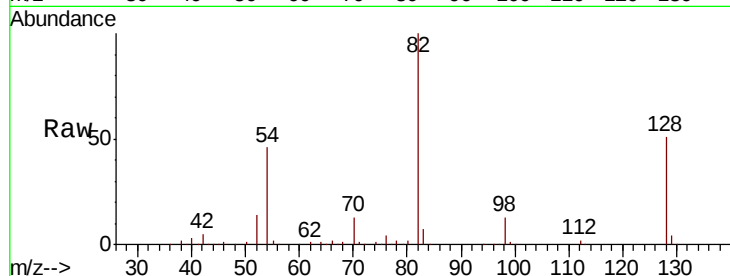




#23
Nitrobenzene-d5
Concen: 104.467 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

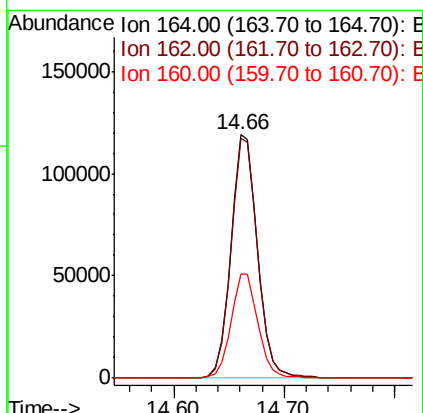
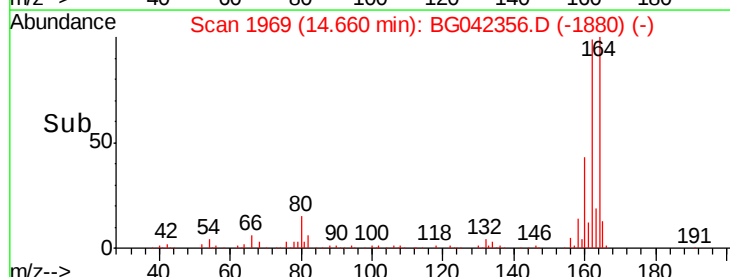
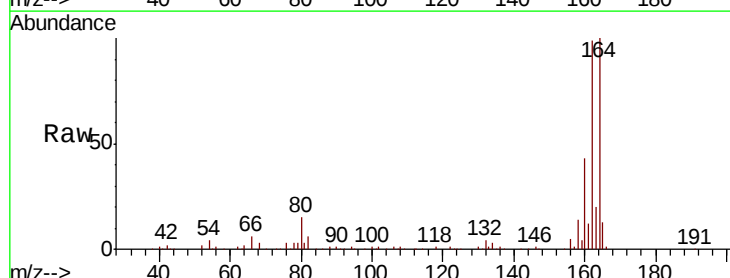
Instrument :
BNA_G
ClientSampled :

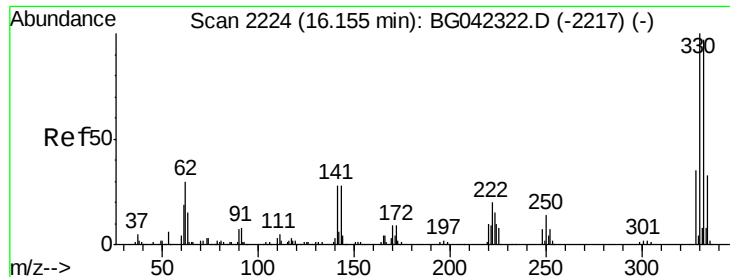
Tot Ion: 82 Resp: 410413
Ion Ratio Lower Upper
82 100
128 50.6 41.0 61.4
54 46.1 38.0 57.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

Tgt Ion:164 Resp: 199689
Ion Ratio Lower Upper
164 100
162 98.6 80.6 120.8
160 42.8 35.7 53.5

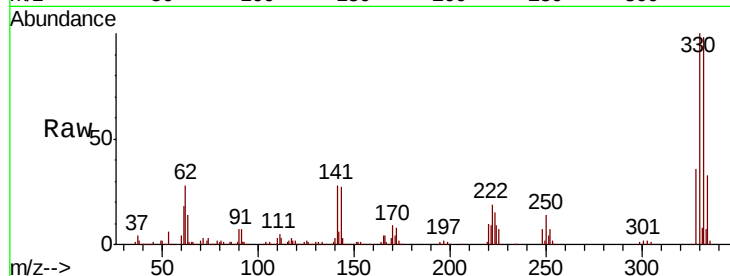




#42
 2,4,6-Tribromophenol
 Concen: 149.682 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042356.D
 Acq: 20 Aug 2019 13:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	28.8	21.8	32.6

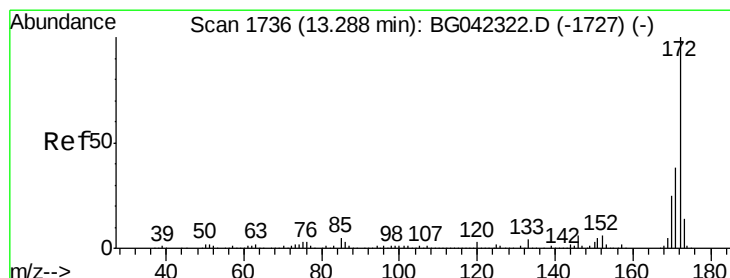
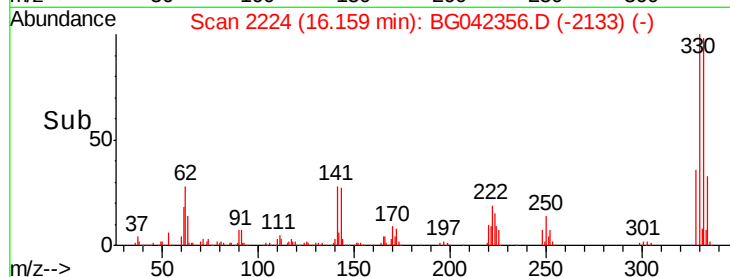
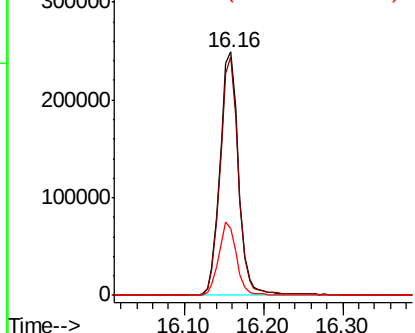


Abundance

Ion 329.80 (329.50 to 330.50): E

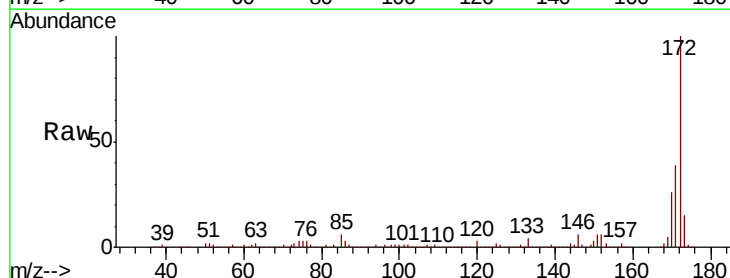
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.063 ng
 RT: 13.29 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042356.D
 Acq: 20 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.3	45.5
170	25.7	20.0	30.0

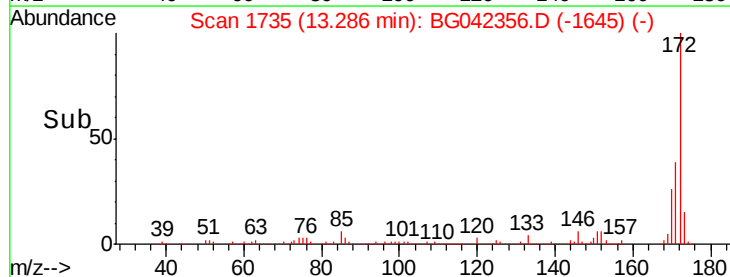
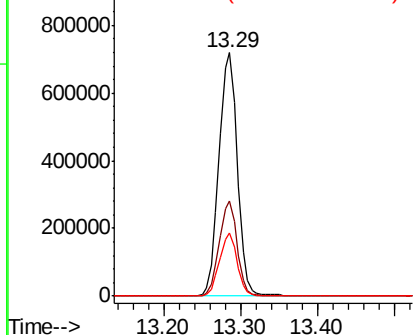


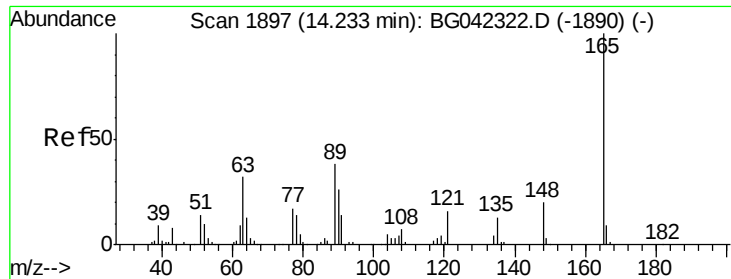
Abundance

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

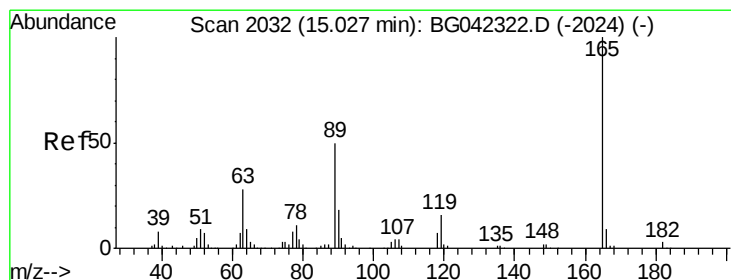
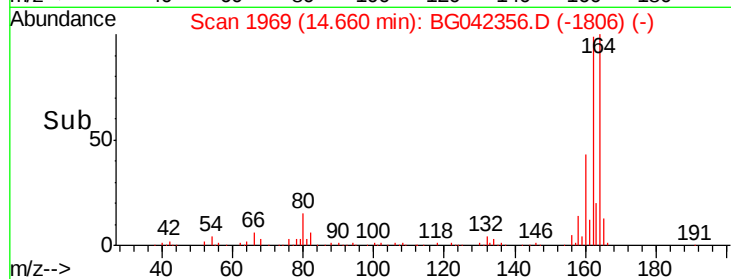
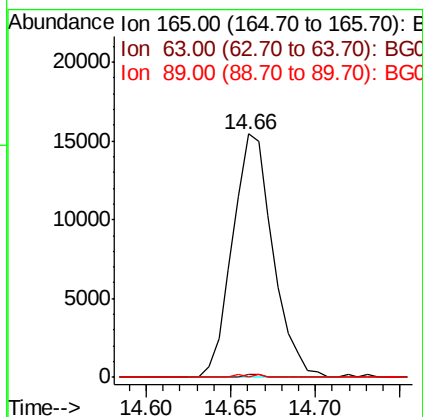
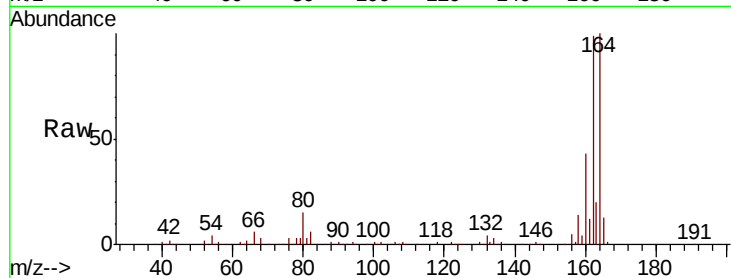




#51
 2,6-Dinitrotoluene
 Concen: 7.750 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042356.D
 Acq: 20 Aug 2019 13:14

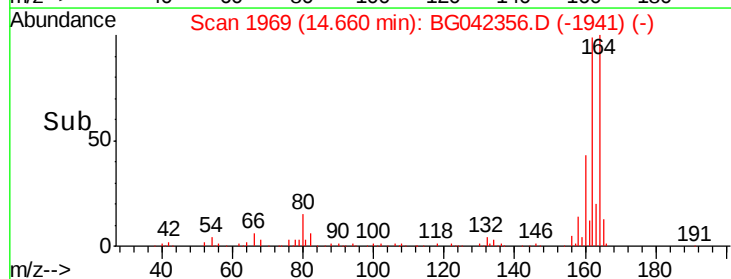
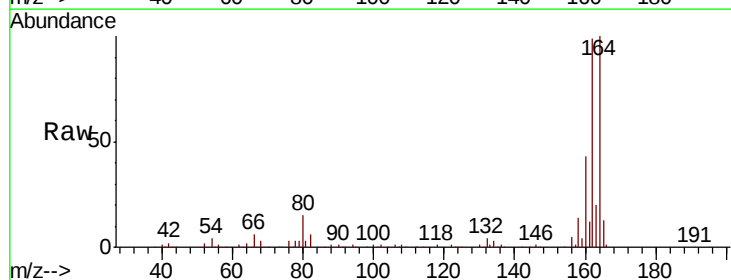
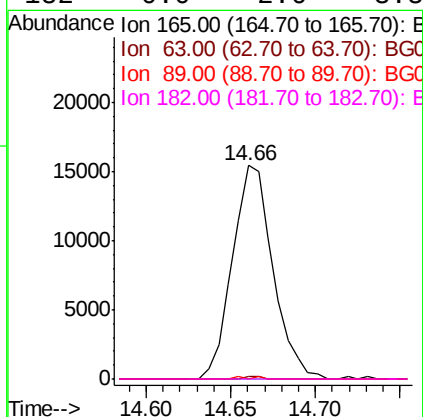
Instrument :
 BNA_G
 ClientSampleId :

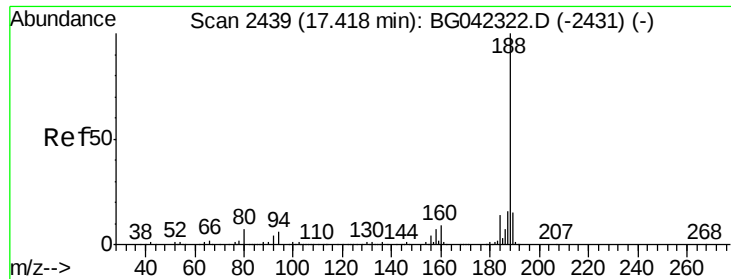
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.2	42.2#
89	0.0	30.0	45.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.543 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042356.D
 Acq: 20 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.4	33.6#
89	0.0	40.2	60.2#
182	0.0	2.6	3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

Instrument :

BNA_G

ClientSampleId :

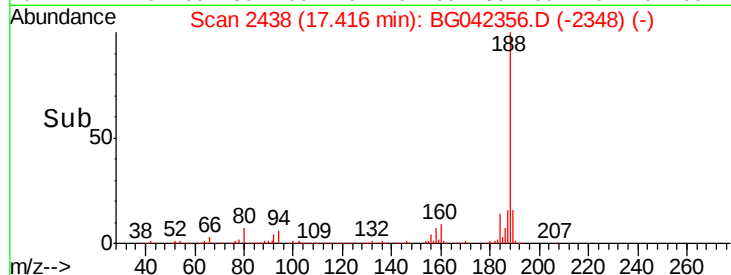
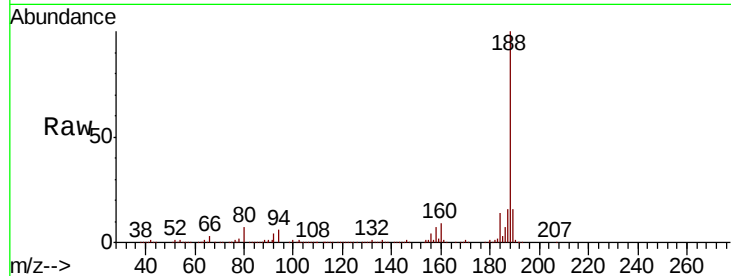
Tot Ion:188 Resp: 444615

Ion Ratio Lower Upper

188 100

94 6.4 4.9 7.3

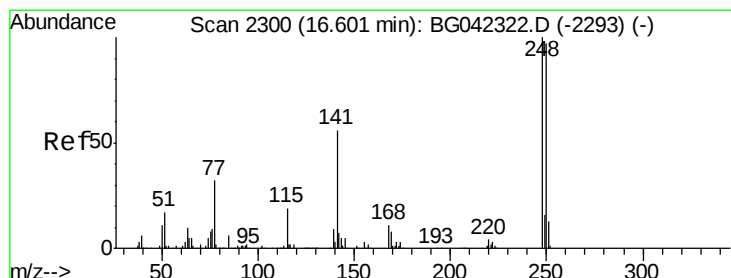
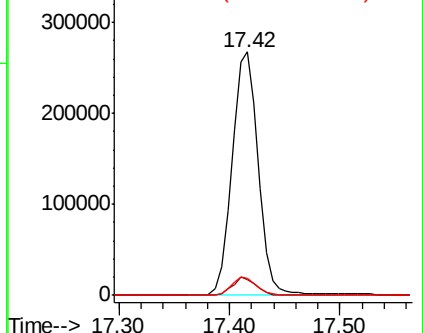
80 7.1 5.4 8.0



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: 5.144 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

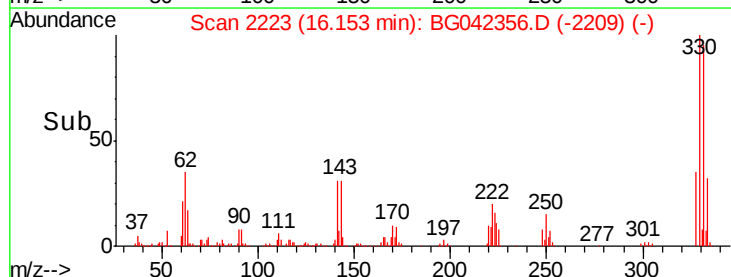
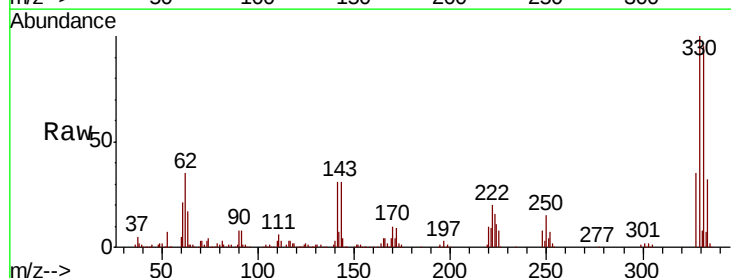
Tgt Ion:248 Resp: 29106

Ion Ratio Lower Upper

248 100

250 185.6 78.0 117.0#

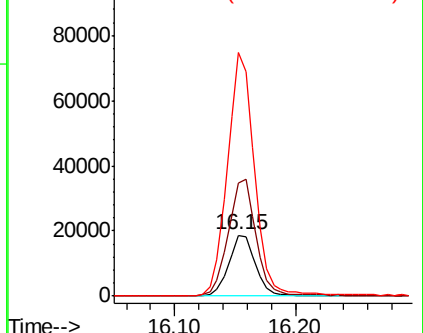
141 397.7 44.9 67.3#

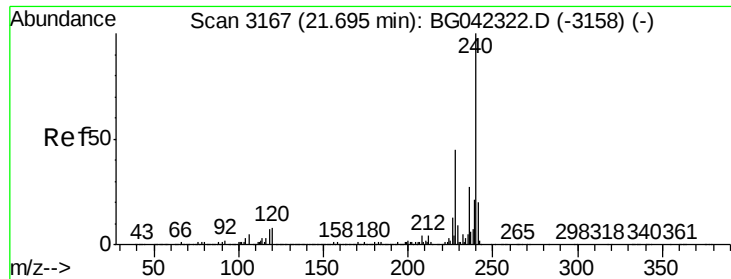


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

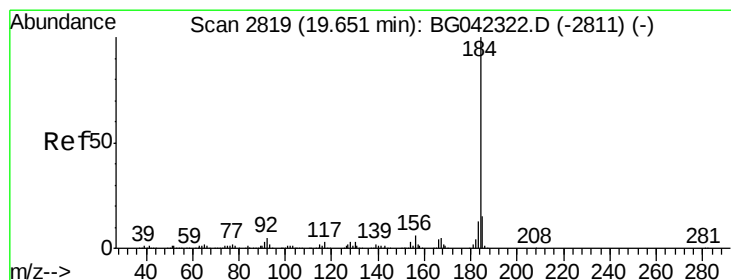
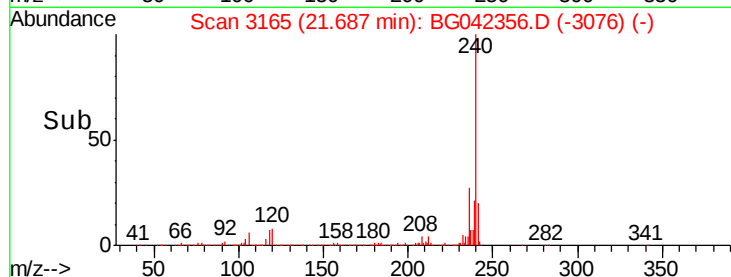
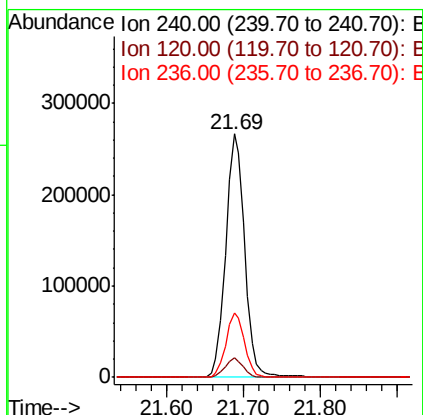
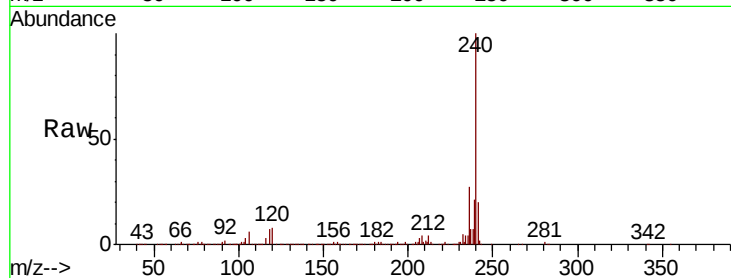




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

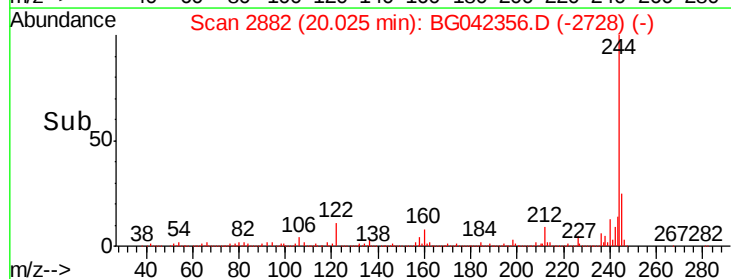
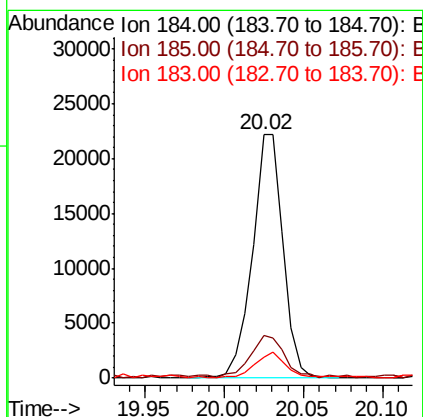
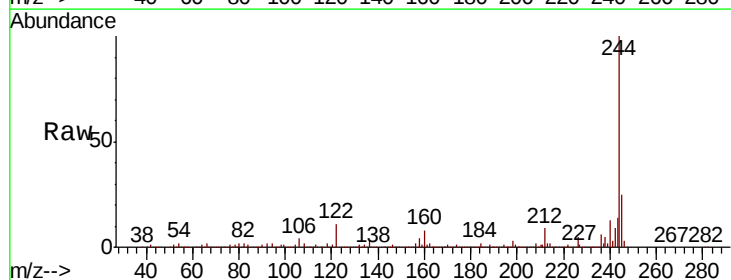
Instrument :
BNA_G
ClientSampleId :

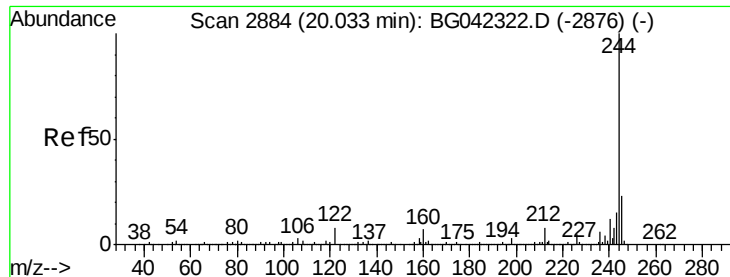
Tot Ion:240 Resp: 456504
Ion Ratio Lower Upper
240 100
120 7.9 6.0 9.0
236 26.6 21.6 32.4



#77
Benzidine
Concen: 2.464 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.37 min
Lab File: BG042356.D
Acq: 20 Aug 2019 13:14

Tgt Ion:184 Resp: 29820
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.6
183 8.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 97.712 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

Instrument :

BNA_G

ClientSampleId :

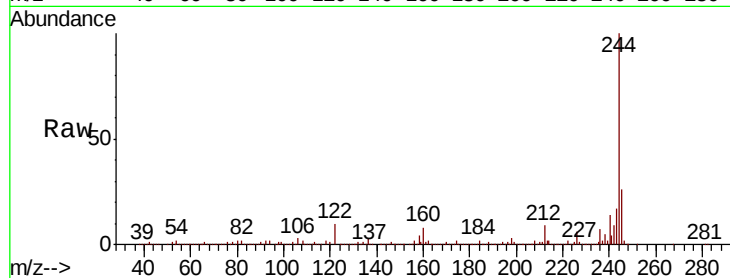
Tot Ion:244 Resp: 2036542

Ion Ratio Lower Upper

244 100

212 9.0 6.4 9.6

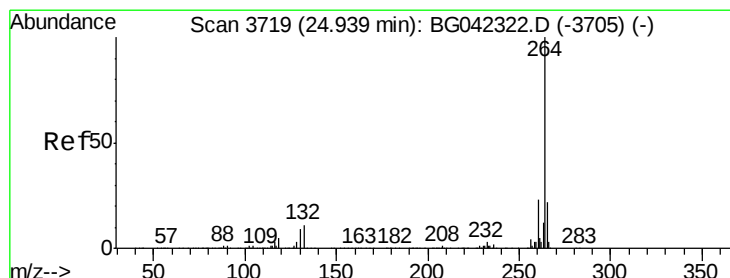
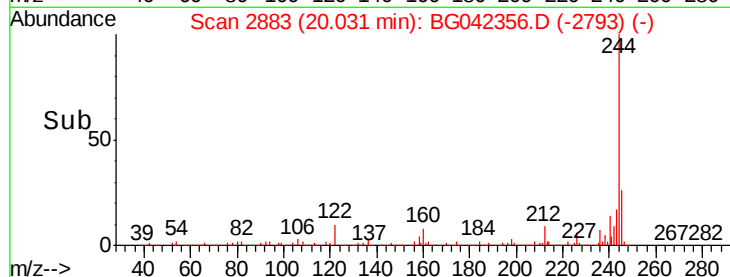
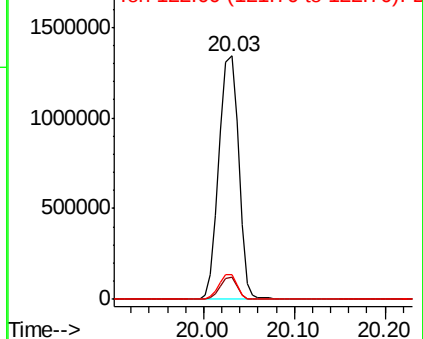
122 10.1 6.6 10.0#



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042356.D

Acq: 20 Aug 2019 13:14

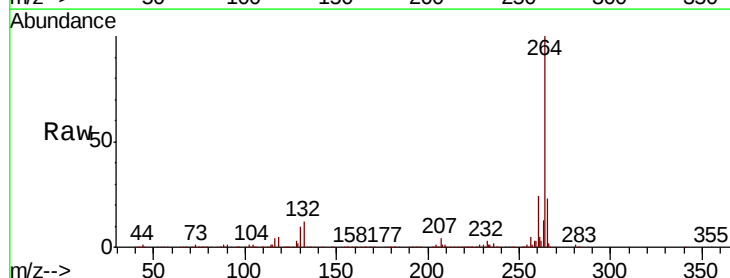
Tgt Ion:264 Resp: 529909

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 22.5 17.4 26.0



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

