

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042358.D
 Acq On : 20 Aug 2019 14:30
 Operator : HP/JU
 Sample : k4389-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:21:56 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

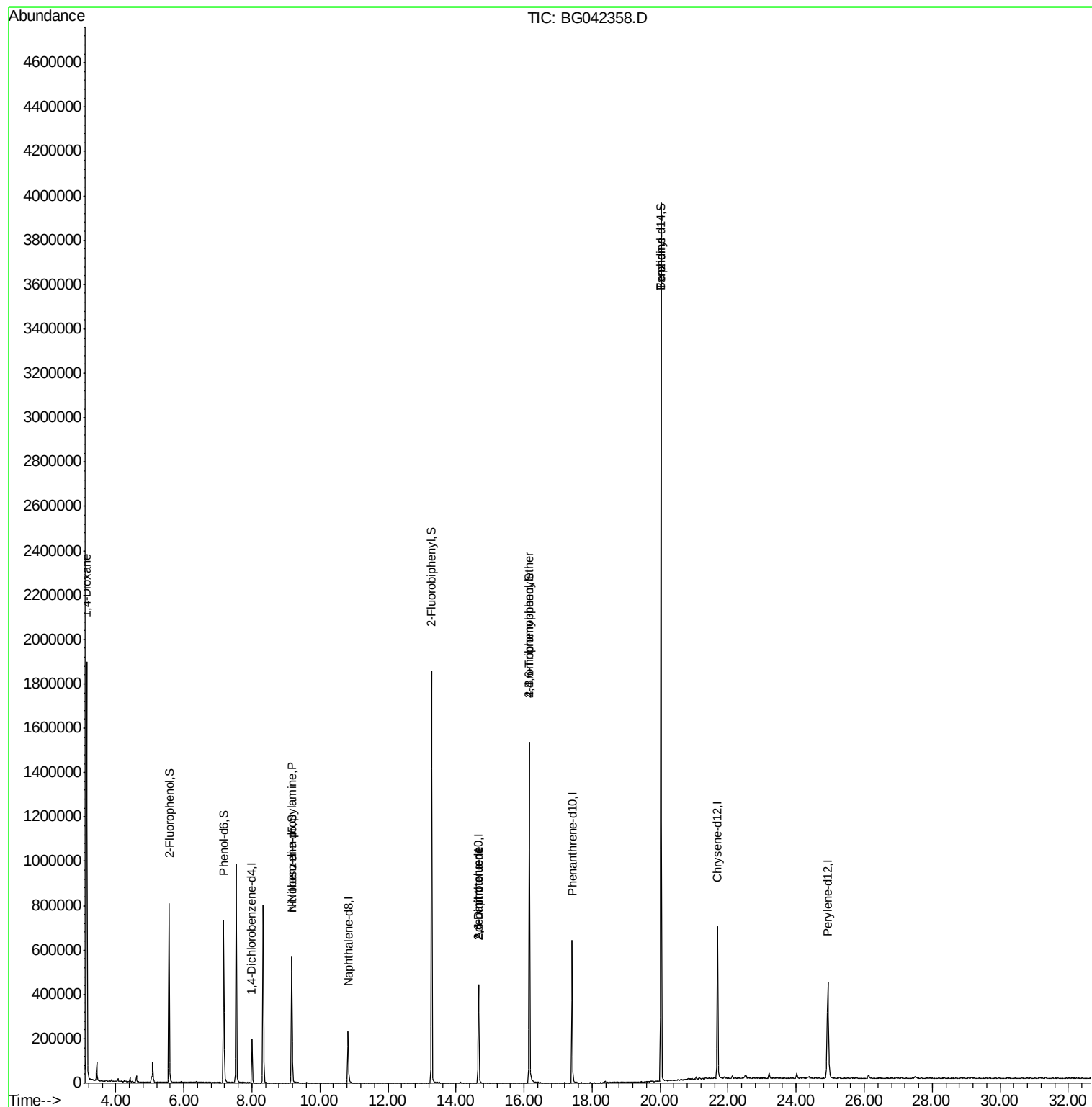
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	65080	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	255053	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	186354	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	439158	20.00	ng	0.00
76) Chrysene-d12	21.69	240	451063	20.00	ng	0.00
87) Perylene-d12	24.93	264	523904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	415833	129.46	ng	0.00
7) Phenol-d6	7.17	99	518833	118.93	ng	0.00
23) Nitrobenzene-d5	9.17	82	369644	101.93	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	385624	151.93	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1109499	100.75	ng	0.00
79) Terphenyl-d14	20.03	244	2013694	97.78	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	19633	14.173	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	46609	16.611	ng	# 72
51) 2,6-Dinitrotoluene	14.66	165	24397	7.872	ng	# 38
57) 2,4-Dinitrotoluene	14.66	165	24397	5.630	ng	# 36
67) 4-Bromophenyl-phenylether	16.15	248	27029	4.836	ng	# 1
77) Benzidine	20.03	184	29567	2.472	ng	# 96

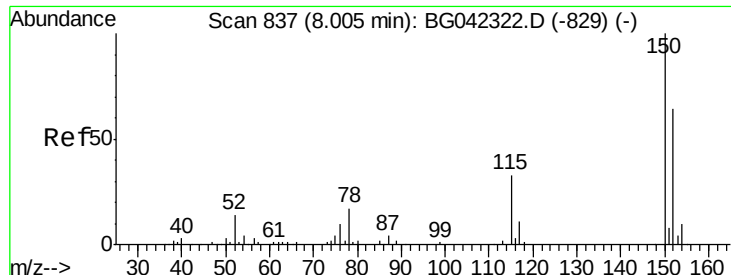
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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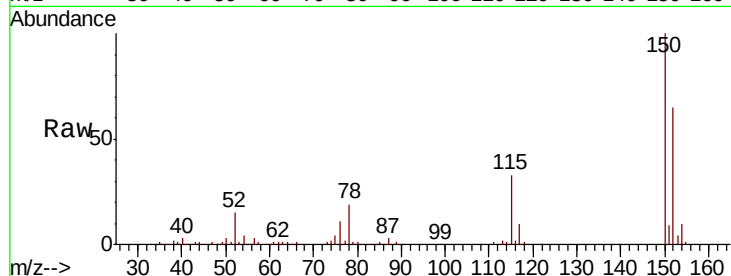


#1

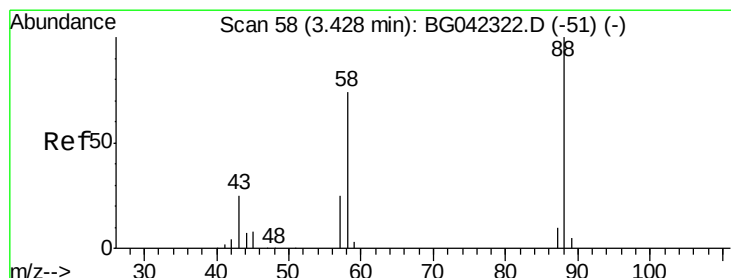
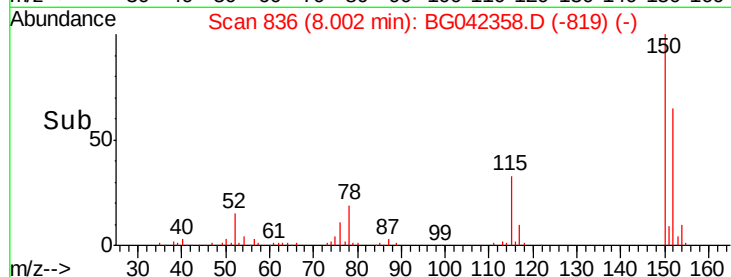
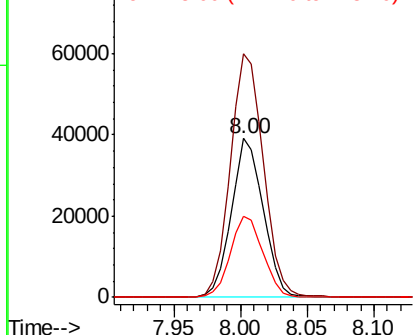
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042358.D
Acq: 20 Aug 2019 14:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65080
Ion Ratio Lower Upper
152 100
150 153.3 124.3 186.5
115 51.2 40.5 60.7



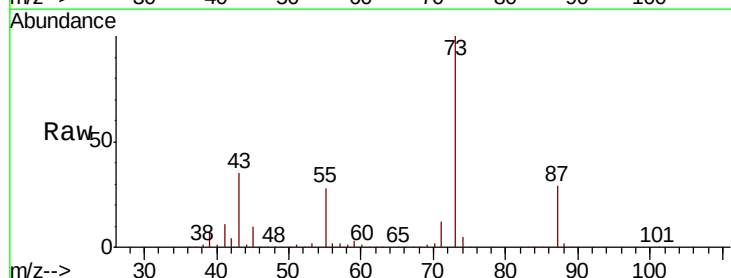
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



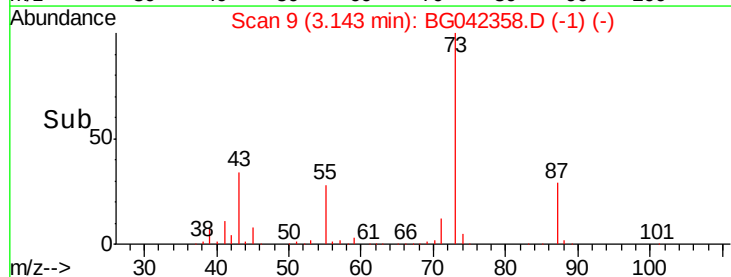
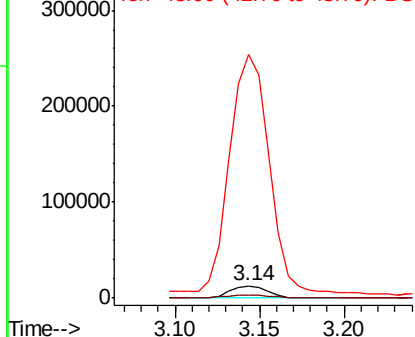
#2

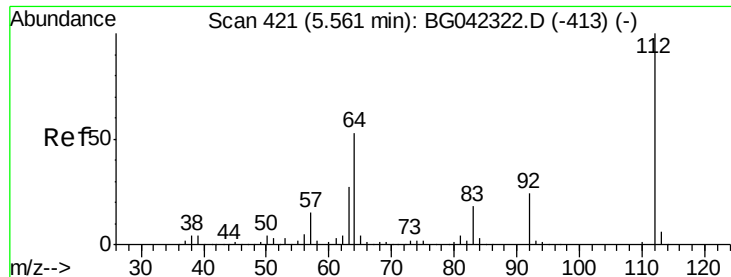
1,4-Dioxane
Concen: 14.173 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.29 min
Lab File: BG042358.D
Acq: 20 Aug 2019 14:30

Tgt Ion: 88 Resp: 19633
Ion Ratio Lower Upper
88 100
58 26.6 58.6 88.0#
43 2127.4 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: 129.459 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042358.D

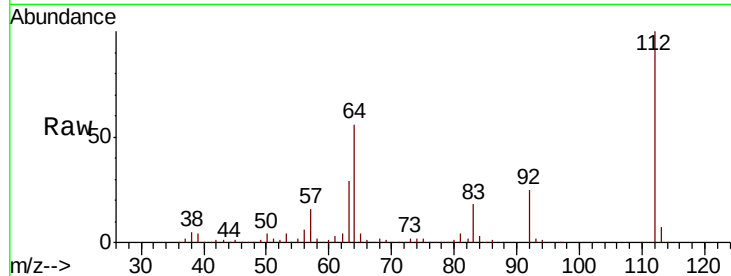
Acq: 20 Aug 2019 14:30

Instrument :

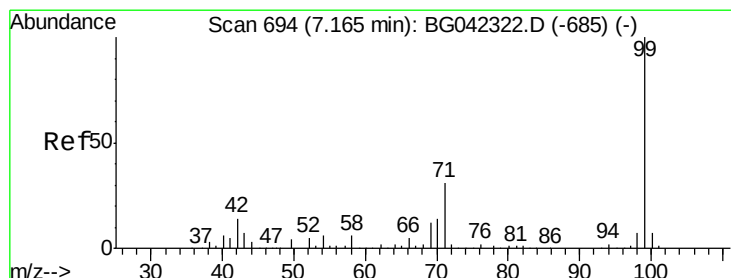
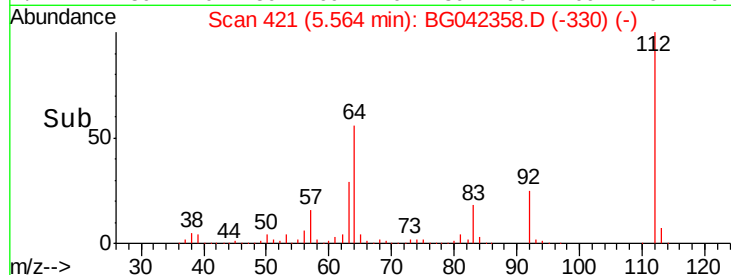
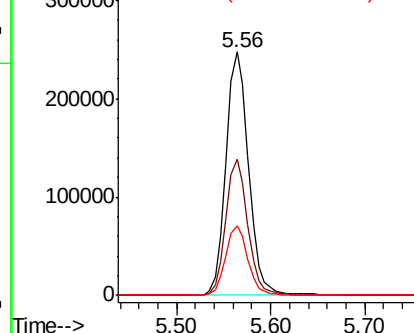
BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	415833
Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.5	63.7
63	28.7	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: 118.933 ng

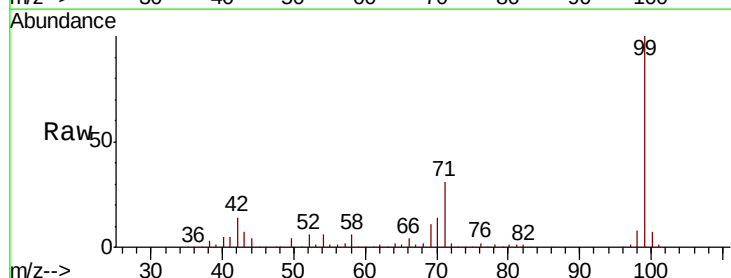
RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

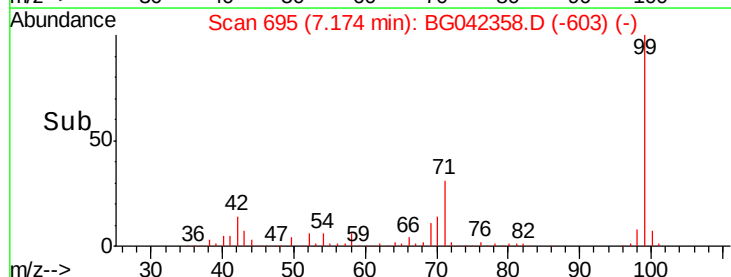
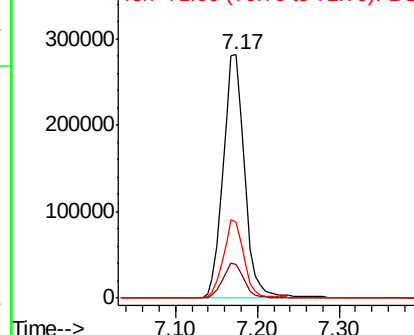
Lab File: BG042358.D

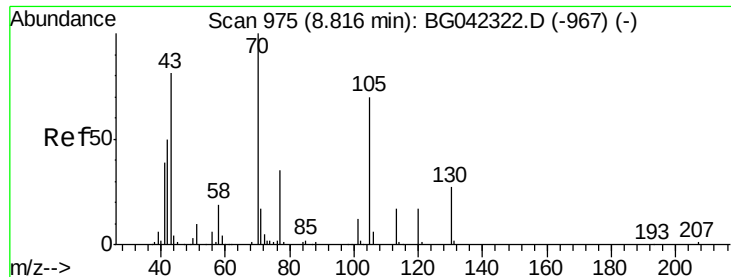
Acq: 20 Aug 2019 14:30

Tgt Ion:	99	Resp:	518833
Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.4	17.0
71	30.9	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: 16.611 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 46609

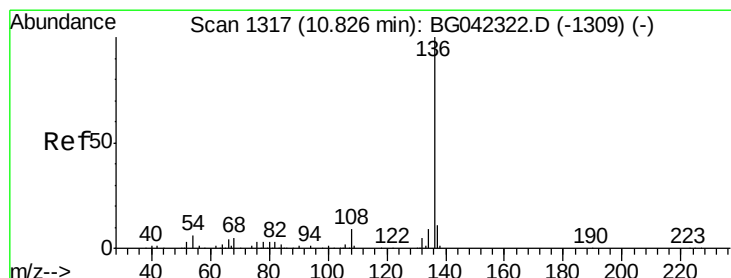
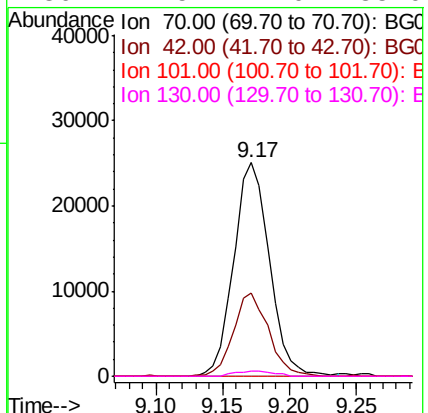
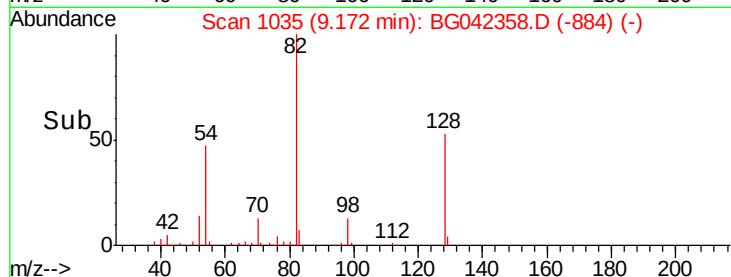
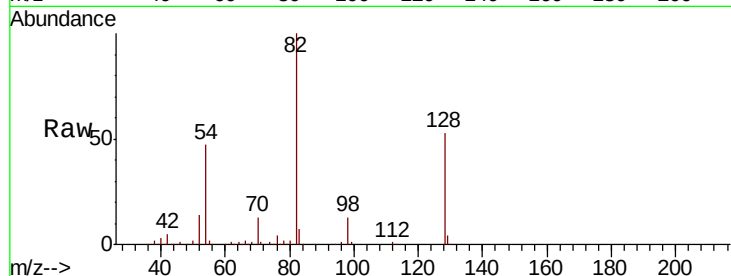
Ion Ratio Lower Upper

70 100

42 38.9 40.5 60.7#

101 0.0 9.3 13.9#

130 2.5 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: BG042358.D

Acq: 20 Aug 2019 14:30

Tgt Ion: 136 Resp: 255053

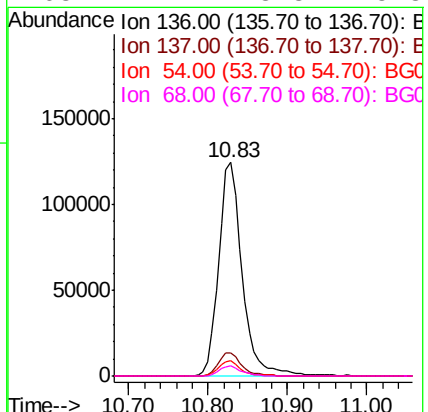
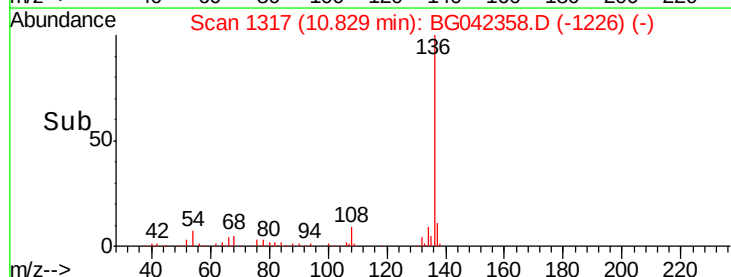
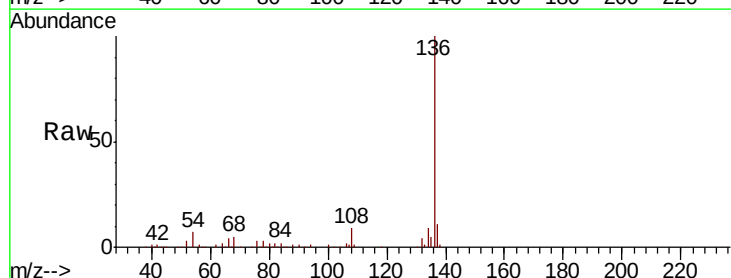
Ion Ratio Lower Upper

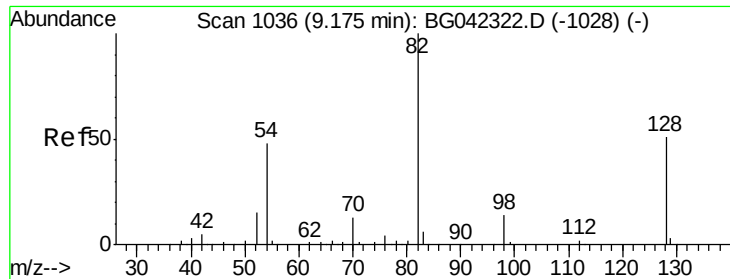
136 100

137 11.1 8.4 12.6

54 7.1 5.0 7.4

68 4.7 3.8 5.8

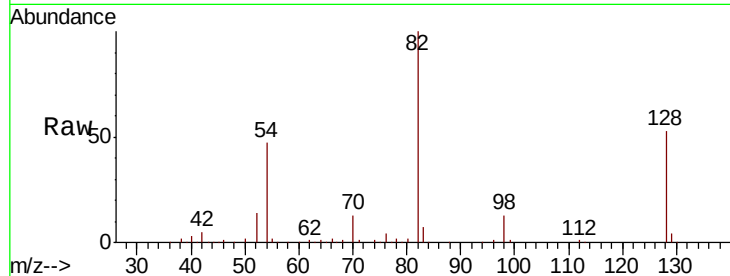




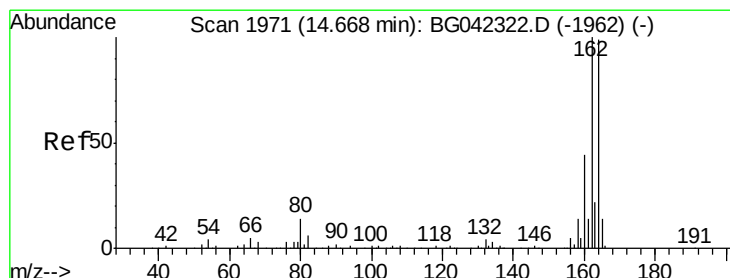
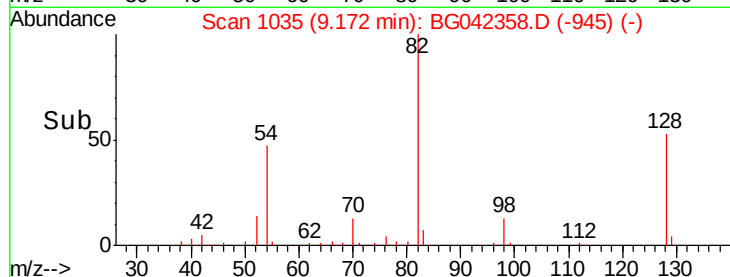
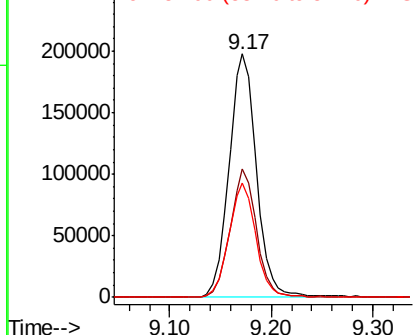
#23
 Nitrobenzene-d5
 Concen: 101.932 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042358.D
 Acq: 20 Aug 2019 14:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 369644
 Ion Ratio Lower Upper
 82 100
 128 52.6 41.0 61.4
 54 47.2 38.0 57.0

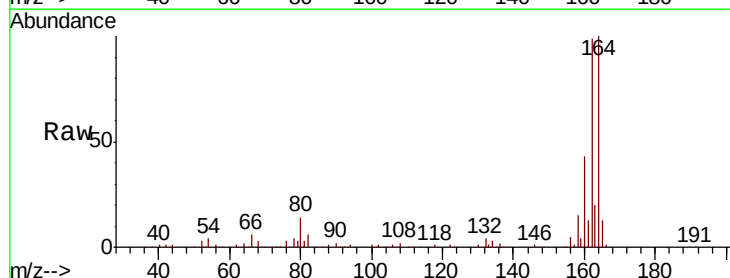


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

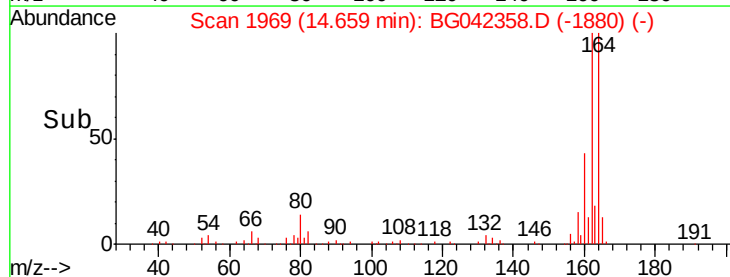
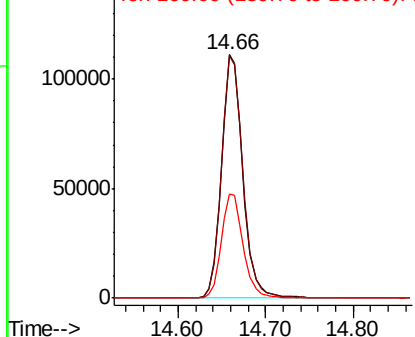


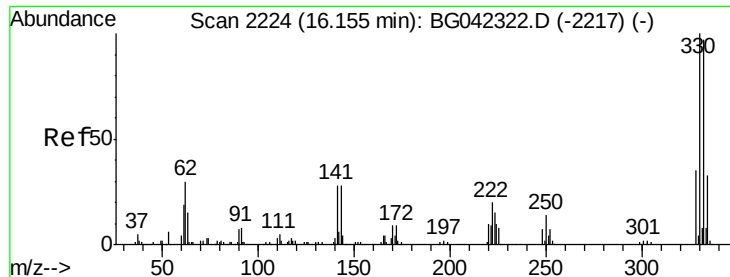
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042358.D
 Acq: 20 Aug 2019 14:30

Tgt Ion:164 Resp: 186354
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.6 120.8
 160 42.9 35.7 53.5



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: 151.934 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

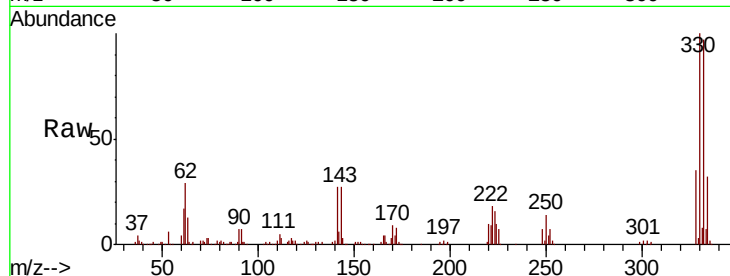
Tot Ion:330 Resp: 385624

Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

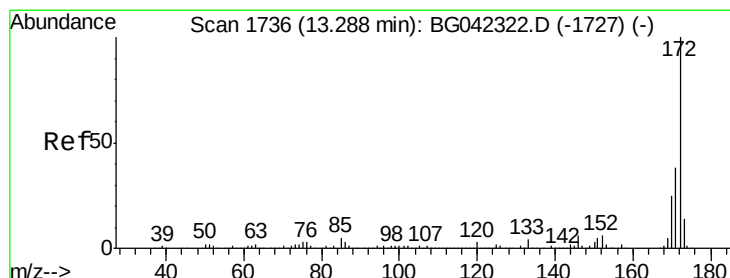
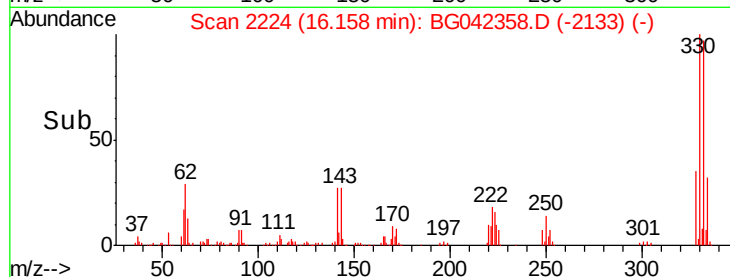
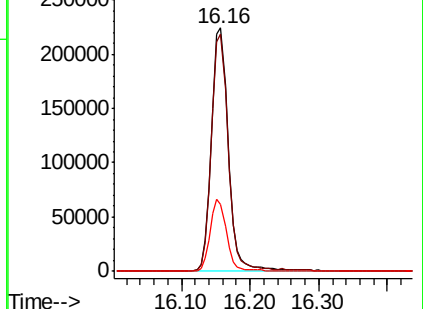
141 28.8 21.8 32.6



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: 100.746 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

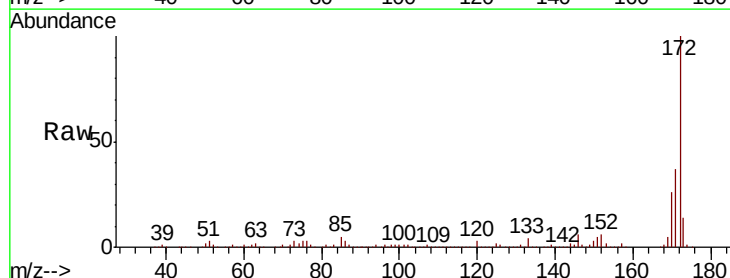
Tgt Ion:172 Resp: 1109499

Ion Ratio Lower Upper

172 100

171 37.5 30.3 45.5

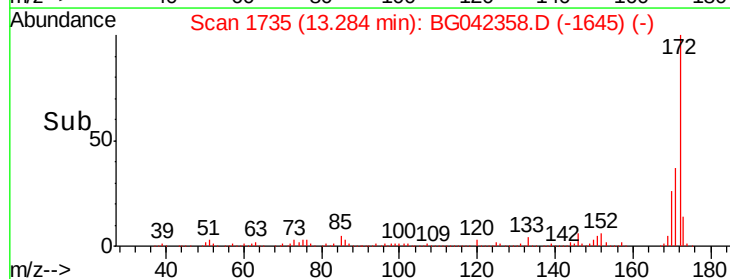
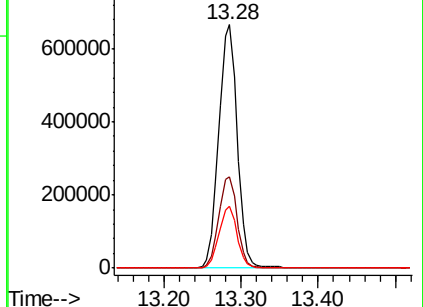
170 25.6 20.0 30.0

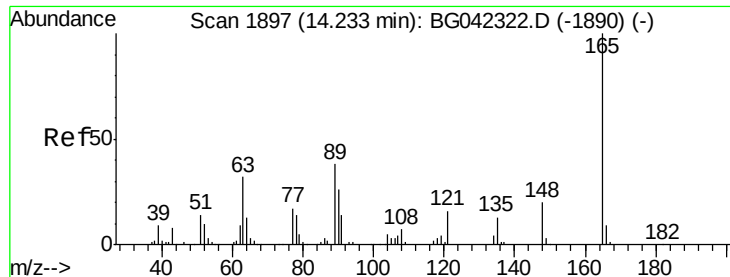


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.872 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

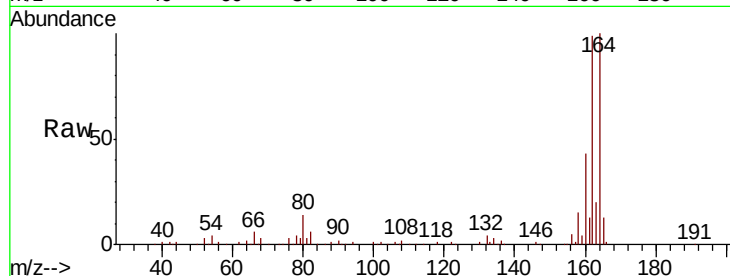
Tot Ion:165 Resp: 24397

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

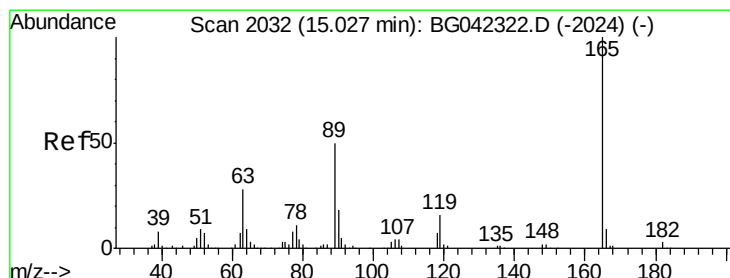
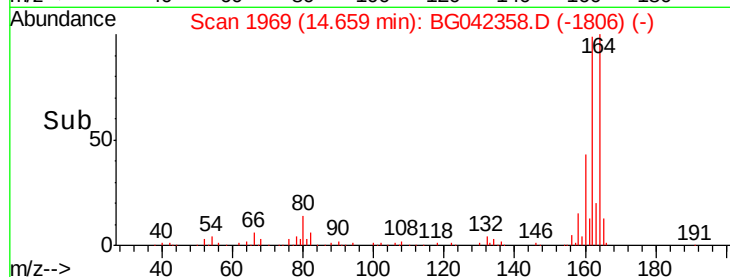
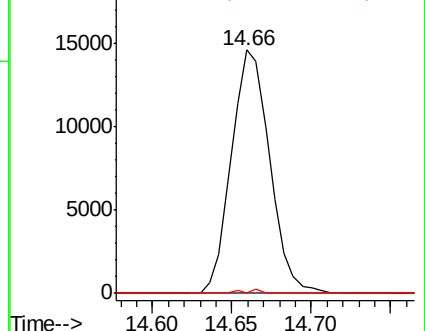
89 0.0 30.0 45.0#



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: 5.630 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Tgt Ion:165 Resp: 24397

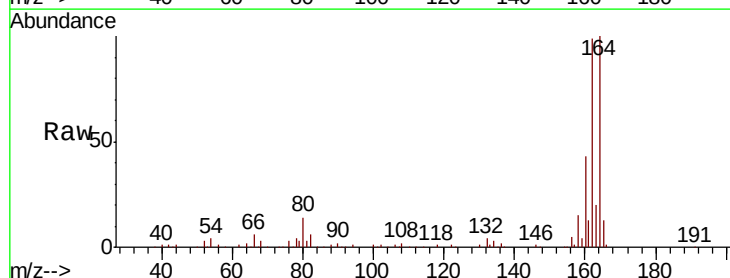
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 0.0 40.2 60.2#

182 0.0 2.6 3.8#

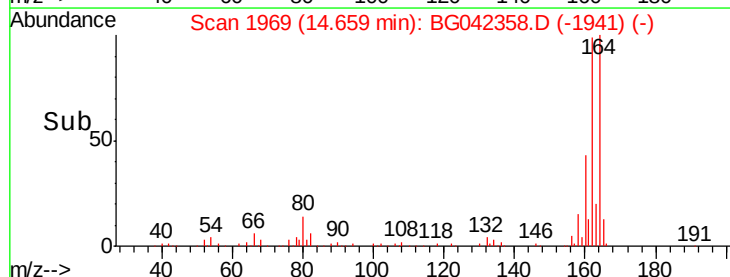
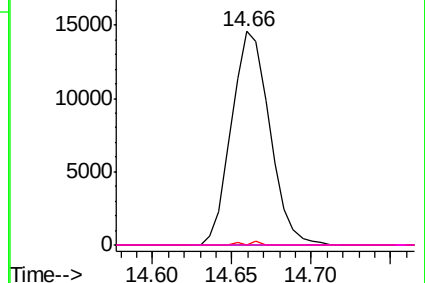


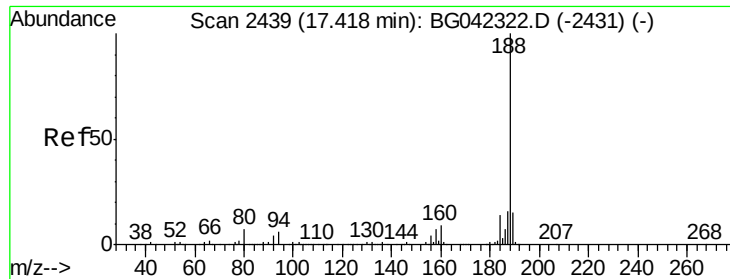
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

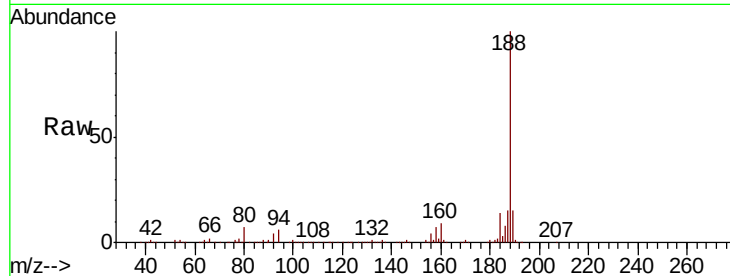
Tot Ion:188 Resp: 439158

Ion Ratio Lower Upper

188 100

94 6.1 4.9 7.3

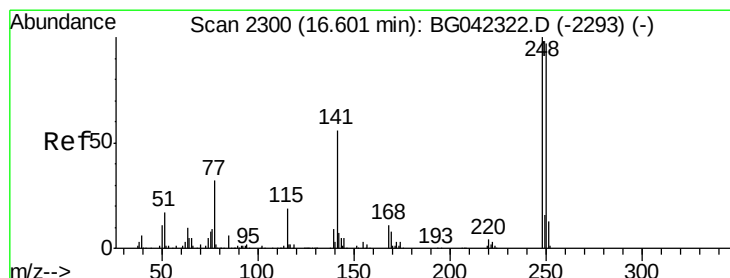
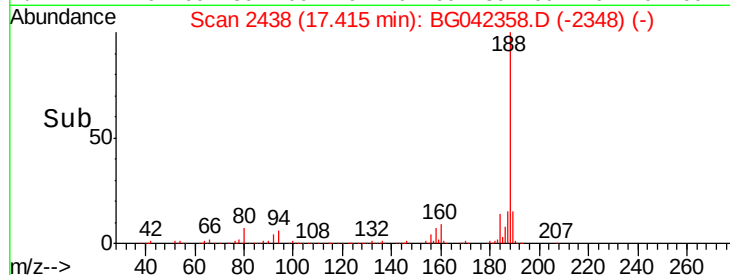
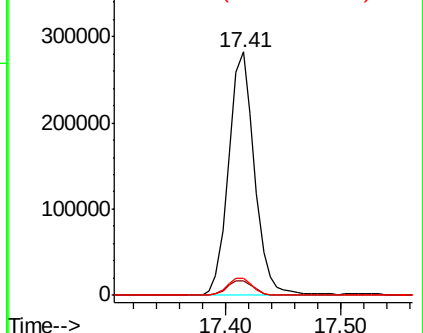
80 6.9 5.4 8.0



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: 4.836 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

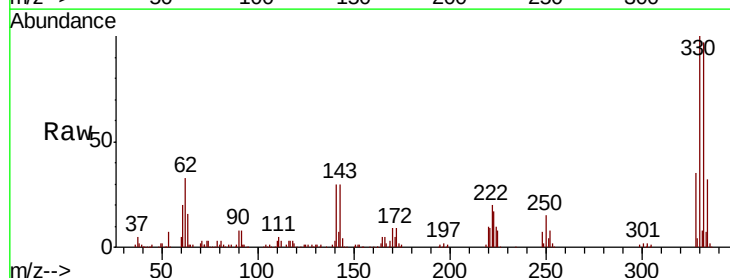
Tgt Ion:248 Resp: 27029

Ion Ratio Lower Upper

248 100

250 200.3 78.0 117.0#

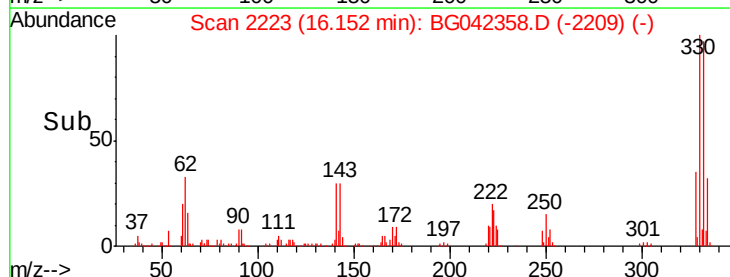
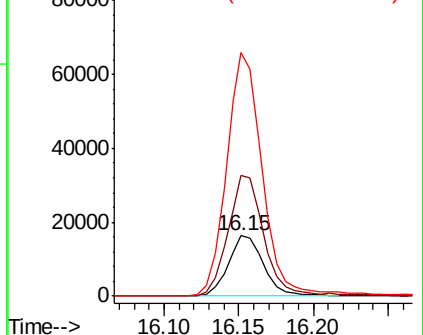
141 402.7 44.9 67.3#

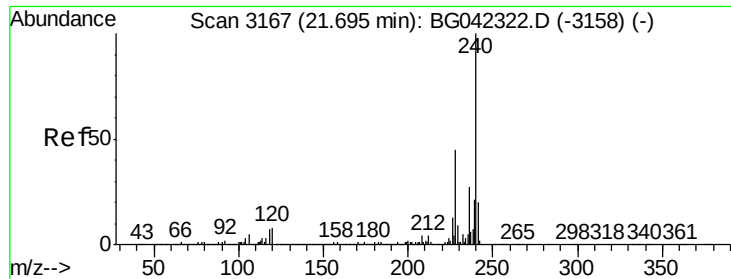


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

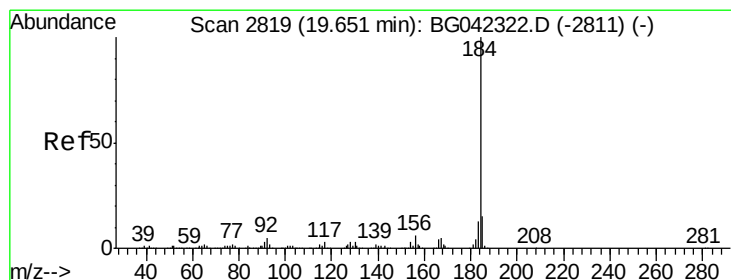
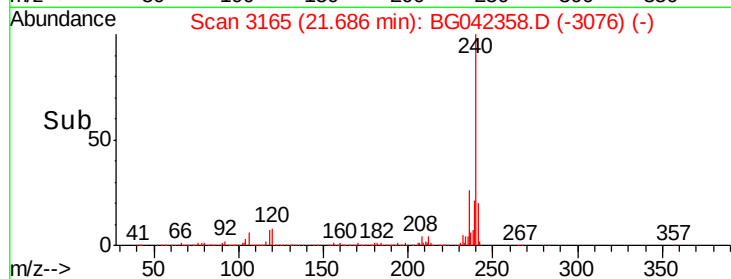
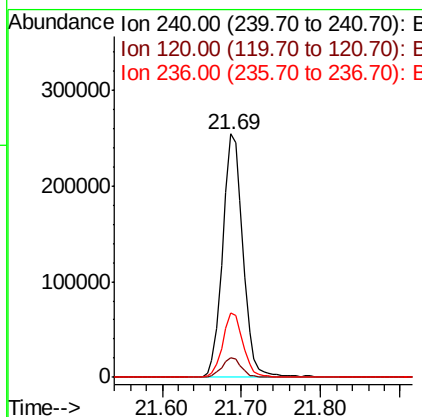
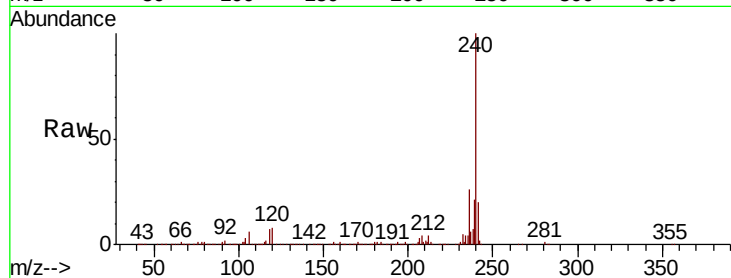




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042358.D
Acq: 20 Aug 2019 14:30

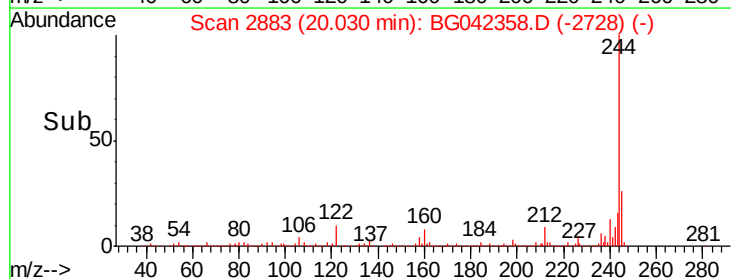
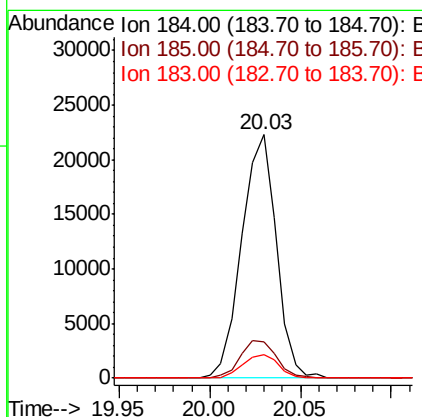
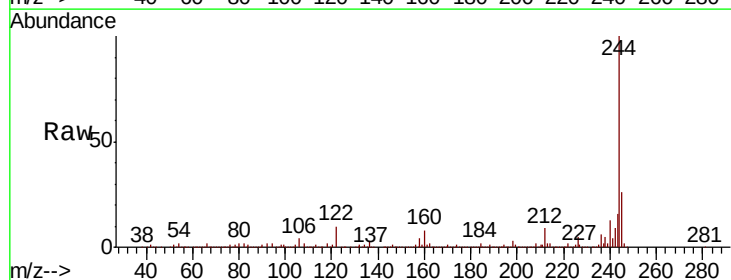
Instrument :
BNA_G
ClientSampleId :

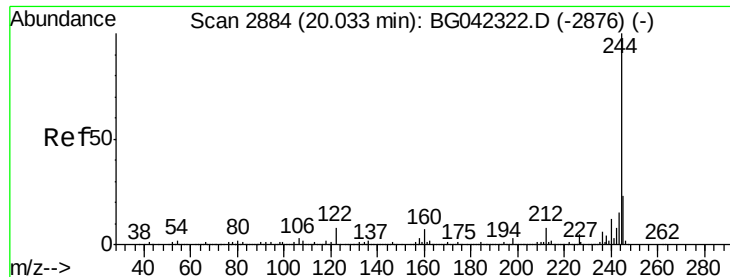
Tot Ion:240 Resp: 451063
Ion Ratio Lower Upper
240 100
120 8.2 6.0 9.0
236 26.4 21.6 32.4



#77
Benzidine
Concen: 2.472 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042358.D
Acq: 20 Aug 2019 14:30

Tgt Ion:184 Resp: 29567
Ion Ratio Lower Upper
184 100
185 14.9 11.8 17.6
183 9.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 97.781 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

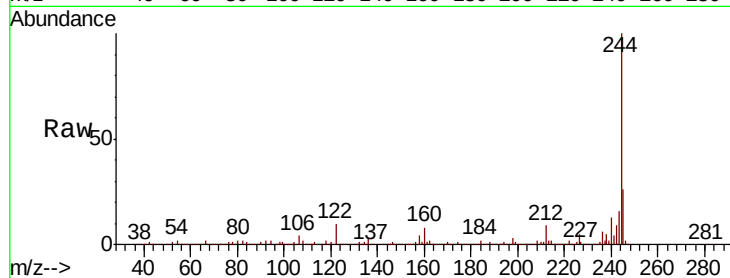
Tot Ion:244 Resp: 2013694

Ion Ratio Lower Upper

244 100

212 8.8 6.4 9.6

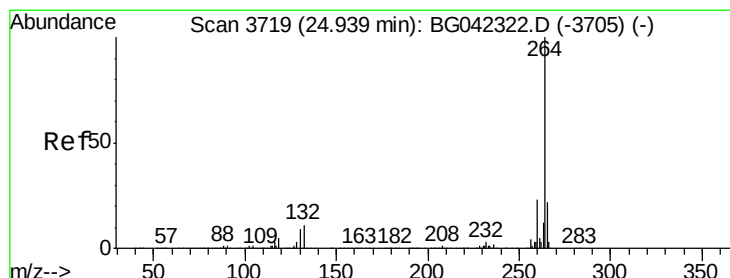
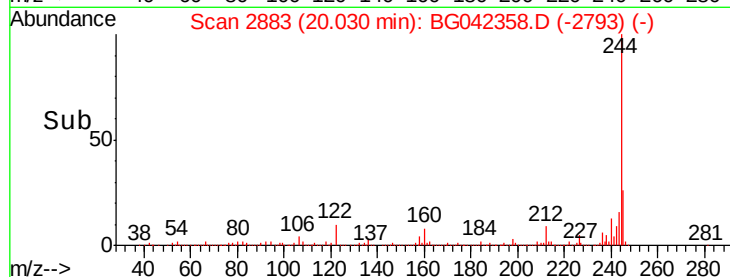
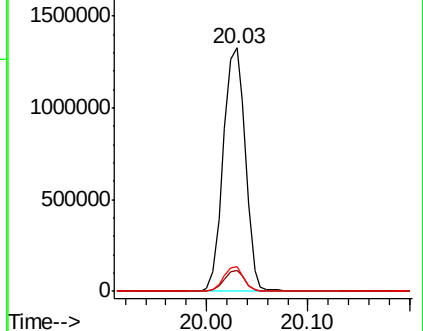
122 10.0 6.6 10.0#



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042358.D

Acq: 20 Aug 2019 14:30

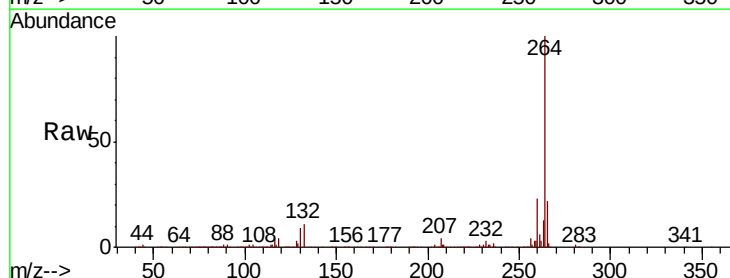
Tgt Ion:264 Resp: 523904

Ion Ratio Lower Upper

264 100

260 23.4 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

