

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042364.D
 Acq On : 20 Aug 2019 19:18
 Operator : HP/JU
 Sample : PB122401BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:29:45 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

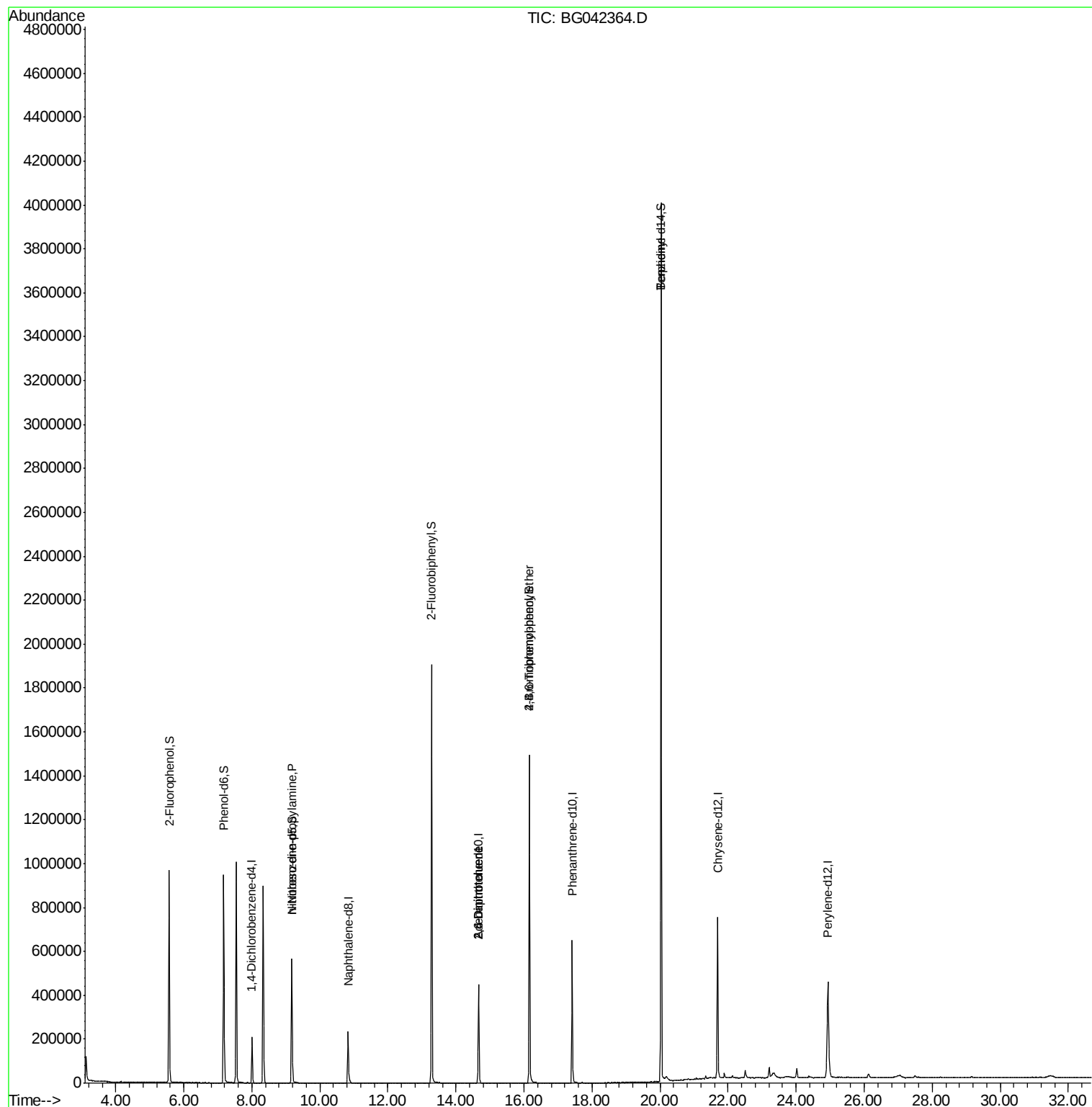
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	70972	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	263678	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	188265	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	441105	20.00	ng	0.00
76) Chrysene-d12	21.69	240	470667	20.00	ng	0.00
87) Perylene-d12	24.93	264	537651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	495915	141.57	ng	0.00
7) Phenol-d6	7.17	99	654771	137.63	ng	0.00
23) Nitrobenzene-d5	9.17	82	369580	98.58	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	366237	142.83	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1125278	101.14	ng	0.00
79) Terphenyl-d14	20.03	244	1955563	91.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	46759	15.281	ng	# 73
51) 2,6-Dinitrotoluene	14.67	165	25099	8.016	ng	# 41
57) 2,4-Dinitrotoluene	14.67	165	25099	5.734	ng	# 39
67) 4-Bromophenyl-phenylether	16.16	248	26239	4.674	ng	# 1
77) Benzidine	20.03	184	27752	2.224	ng	# 95

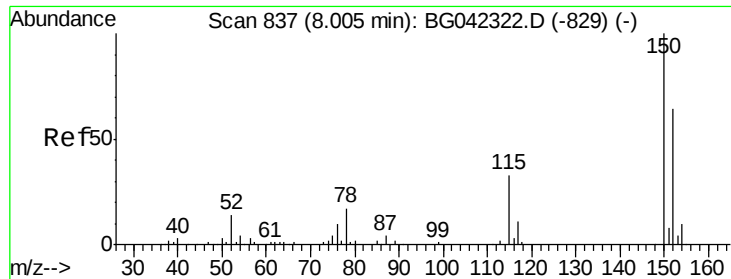
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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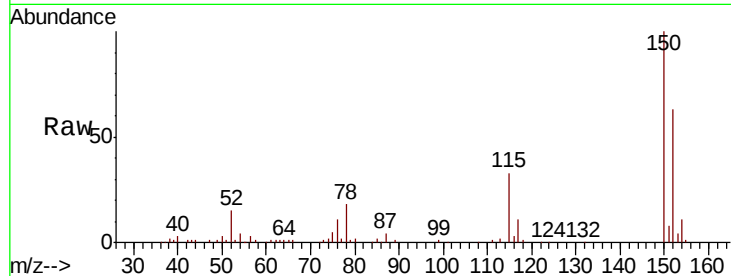


#1

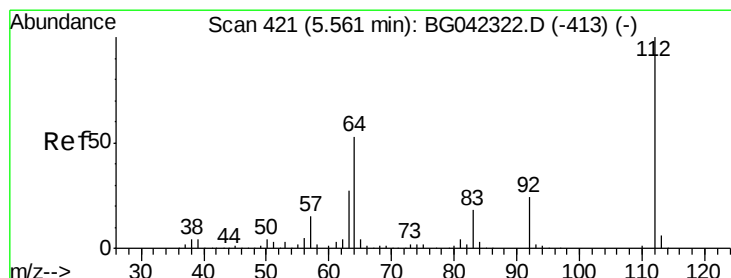
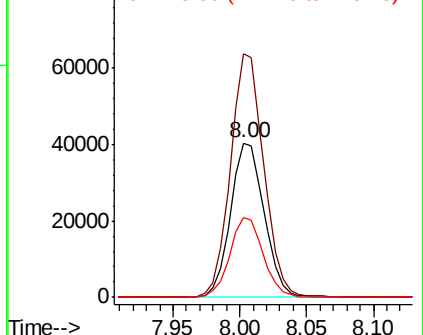
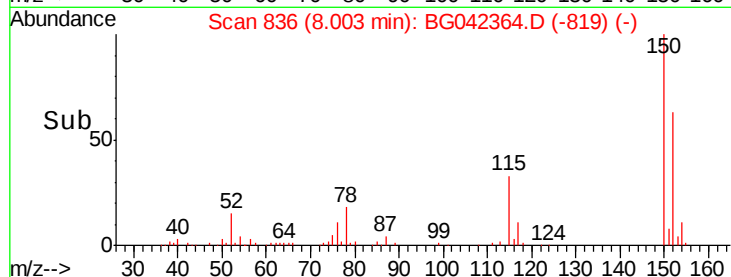
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042364.D
Acq: 20 Aug 2019 19:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 70972
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 51.9 40.5 60.7



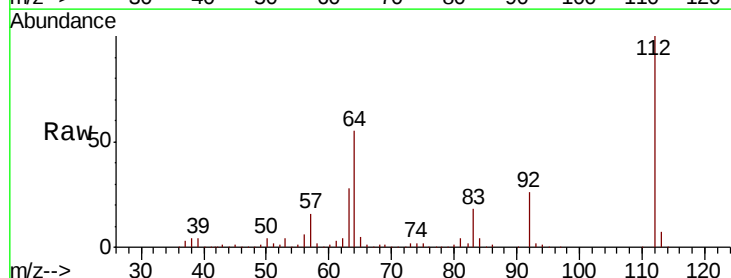
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



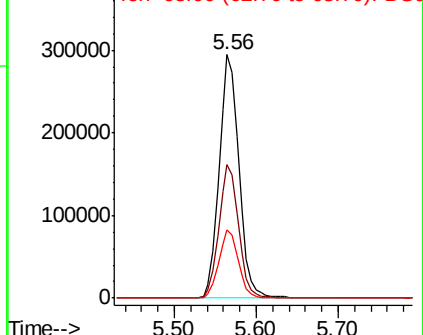
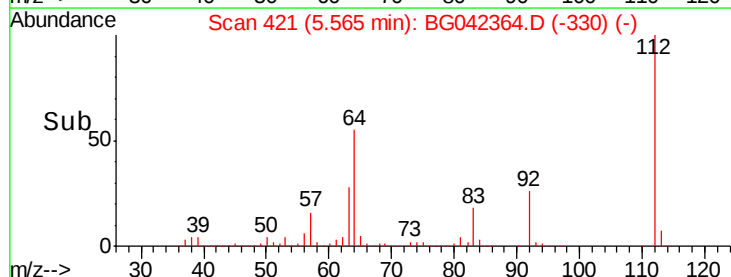
#5

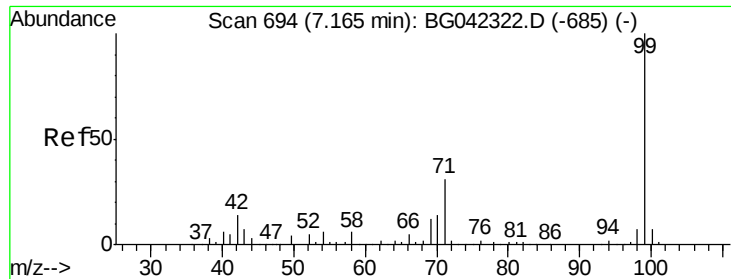
2-Fluorophenol
Concen: 141.573 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG042364.D
Acq: 20 Aug 2019 19:18

Tgt Ion:112 Resp: 495915
Ion Ratio Lower Upper
112 100
64 55.1 42.5 63.7
63 28.2 21.7 32.5



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: 137.633 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

Instrument :

BNA_G

ClientSampled :

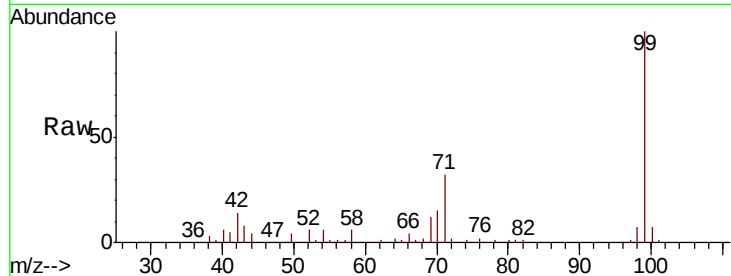
Tot Ion: 99 Resp: 654771

Ion Ratio Lower Upper

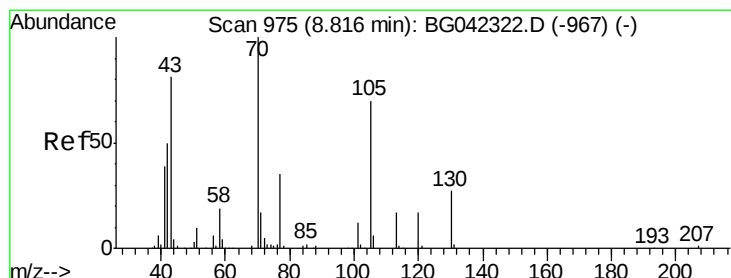
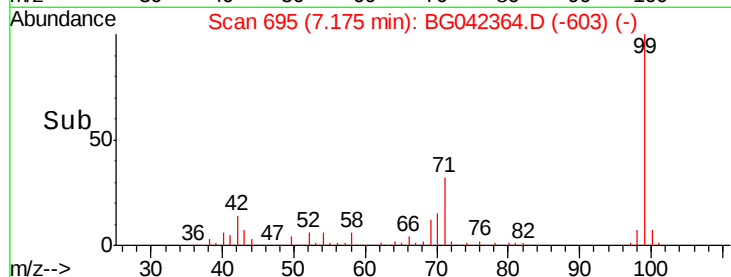
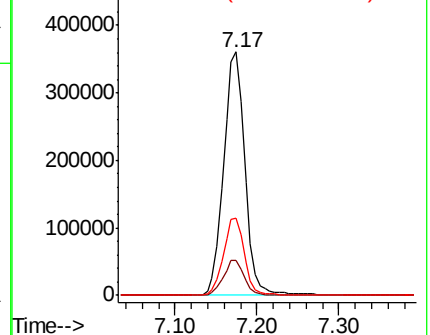
99 100

42 14.2 11.4 17.0

71 31.6 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: 15.281 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

Tgt Ion: 70 Resp: 46759

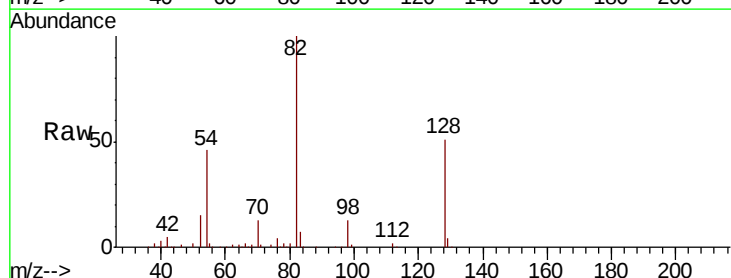
Ion Ratio Lower Upper

70 100

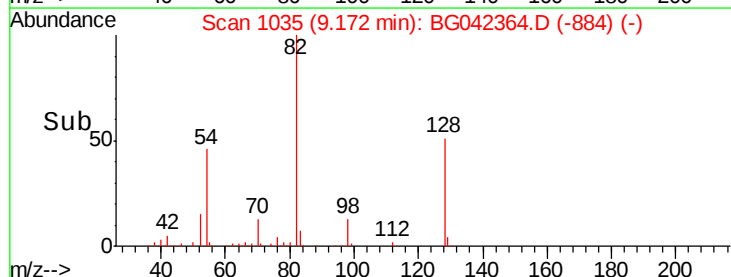
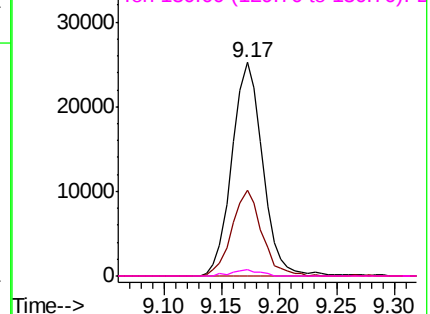
42 40.4 40.5 60.7#

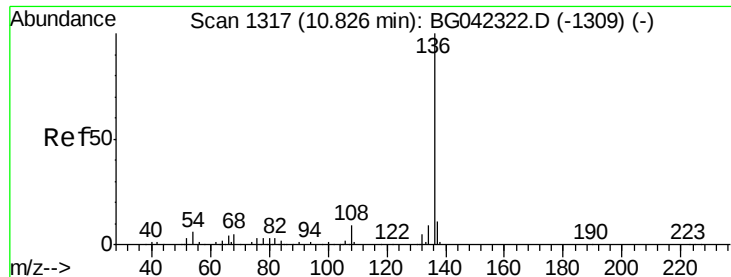
101 0.0 9.3 13.9#

130 3.0 22.0 33.0#



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: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 263678

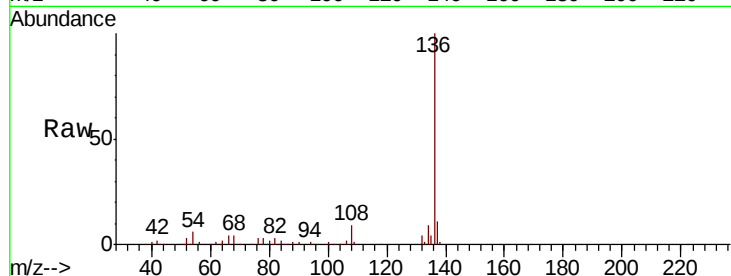
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 6.3 5.0 7.4

68 4.2 3.8 5.8

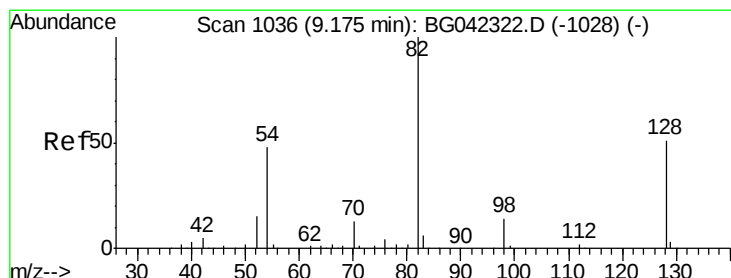
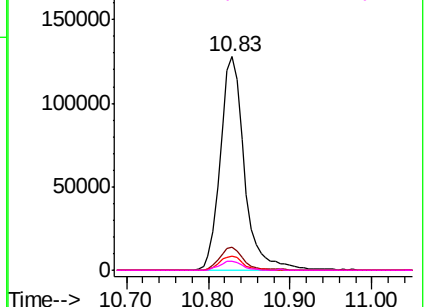
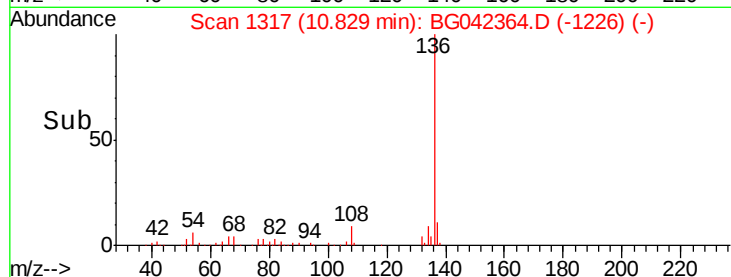


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.581 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

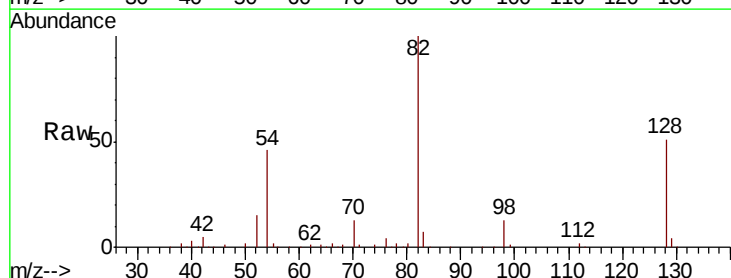
Tgt Ion: 82 Resp: 369580

Ion Ratio Lower Upper

82 100

128 51.2 41.0 61.4

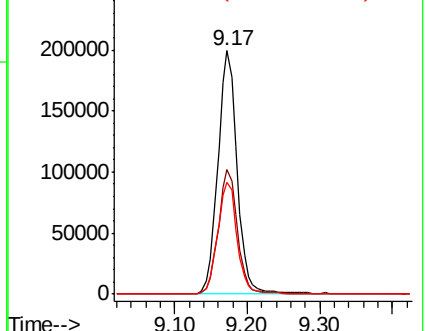
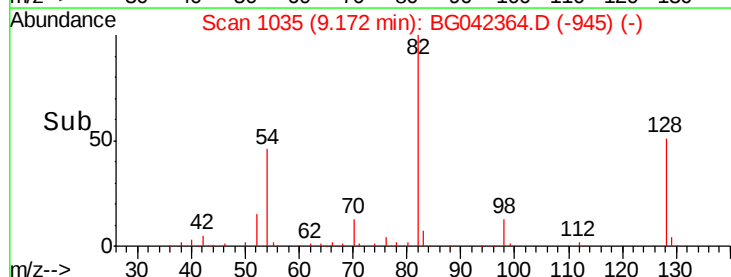
54 46.1 38.0 57.0

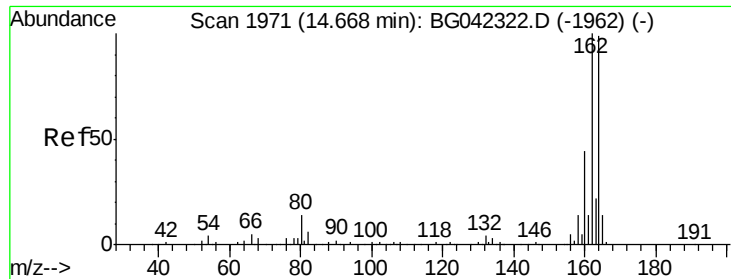


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

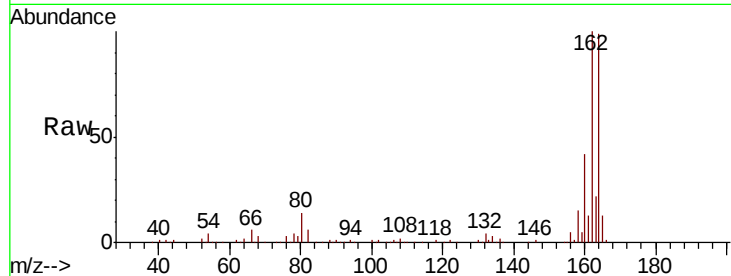
Tot Ion:164 Resp: 188265

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

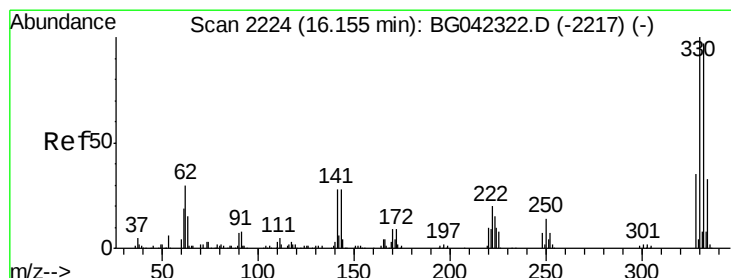
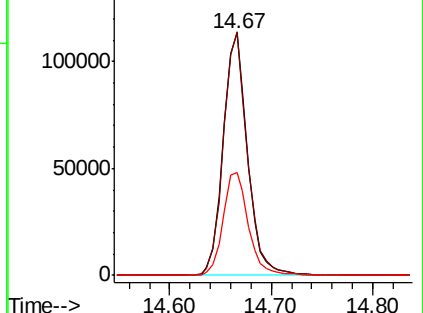
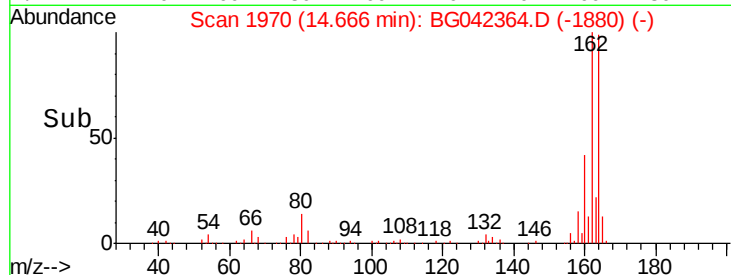
160 42.6 35.7 53.5



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: 142.831 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

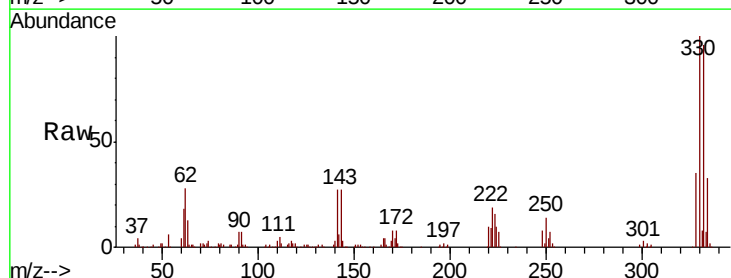
Tgt Ion:330 Resp: 366237

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

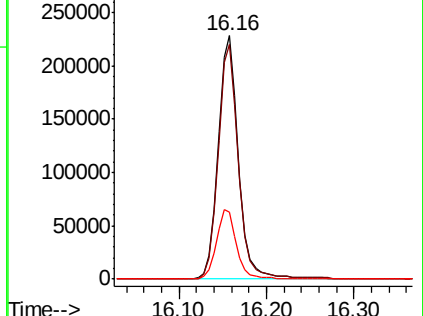
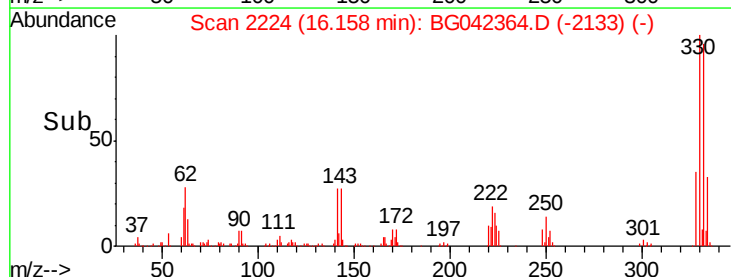
141 28.5 21.8 32.6

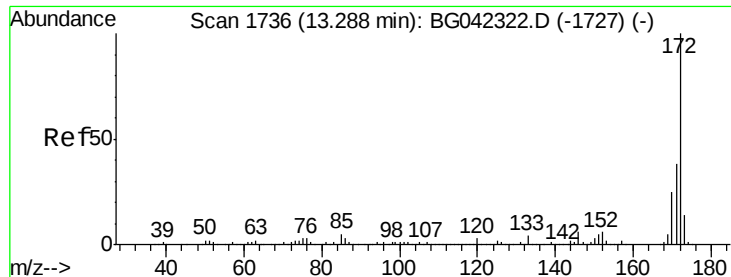


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



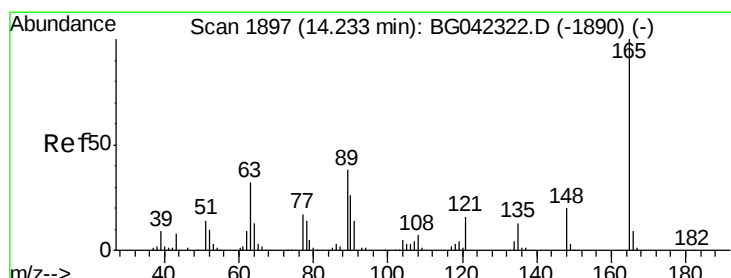
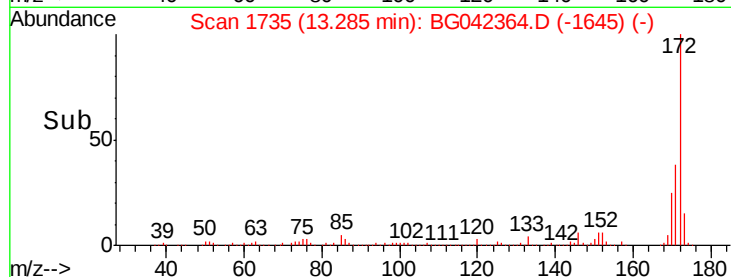
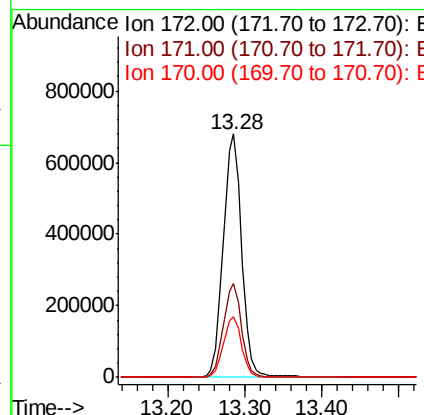
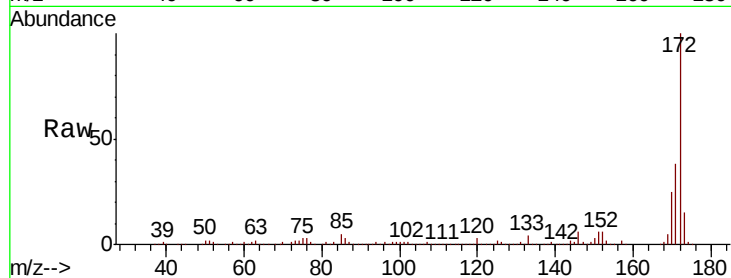


#45
 2-Fluorobiphenyl
 Concen: 101.142 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1125278

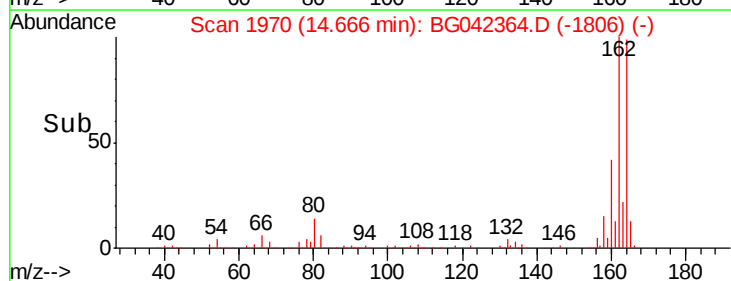
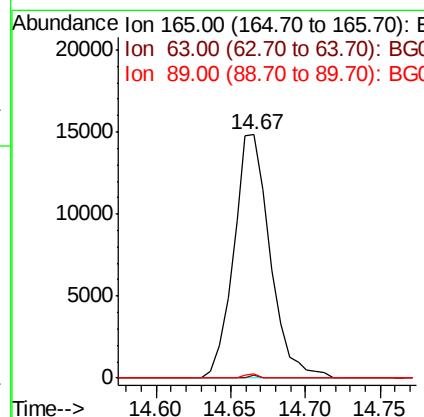
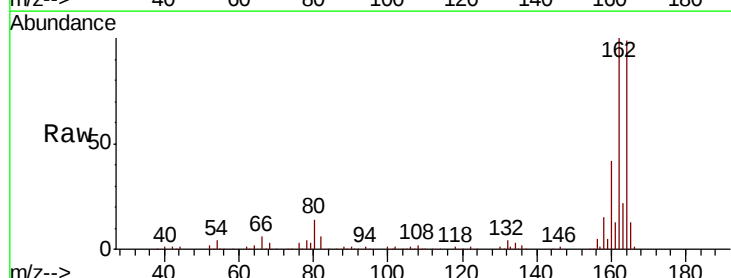
Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.3	45.5
170	25.1	20.0	30.0

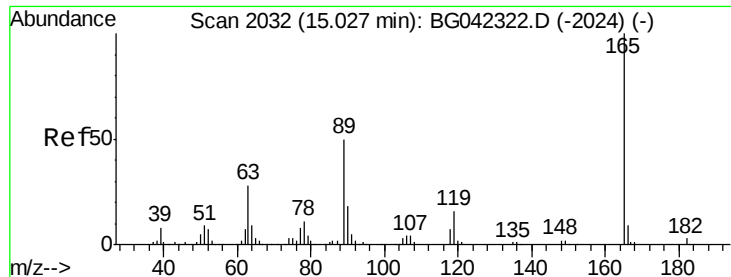


#51
 2,6-Dinitrotoluene
 Concen: 8.016 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

Tgt Ion:165 Resp: 25099

Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.2	42.2#
89	1.7	30.0	45.0#

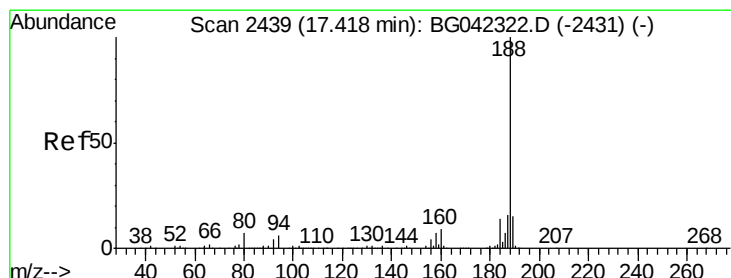
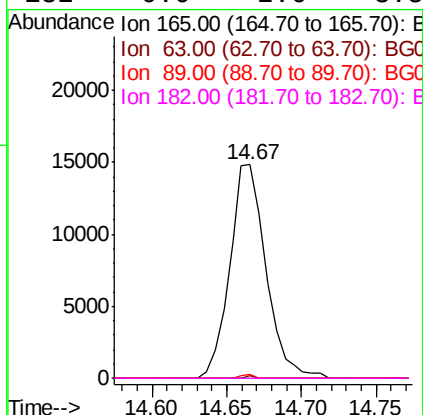
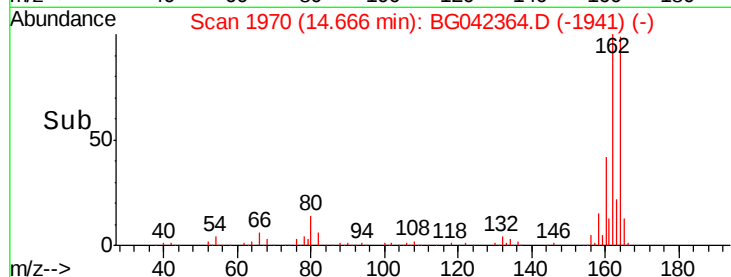
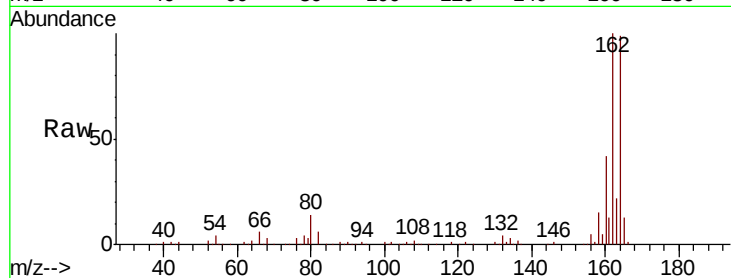




#57
 2,4-Dinitrotoluene
 Concen: 5.734 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

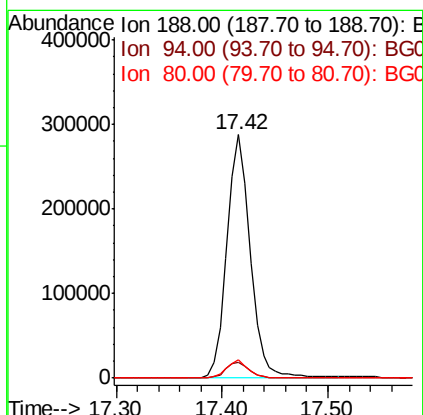
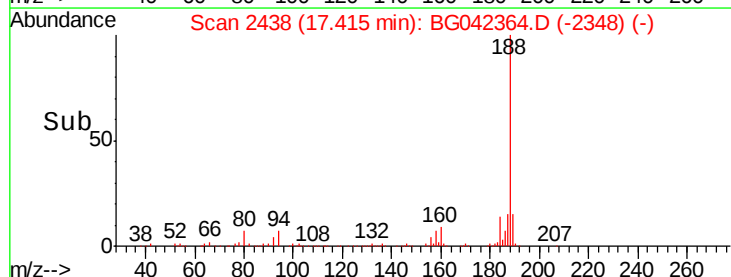
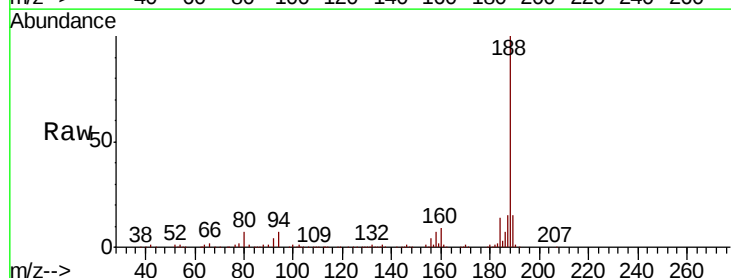
Instrument :
 BNA_G
 ClientSampleId :

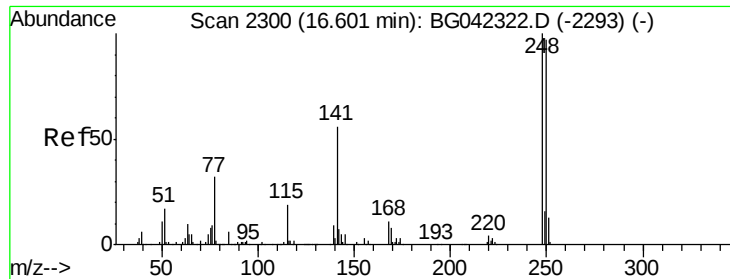
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.4	33.6#
89	1.7	40.2	60.2#
182	0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.9	7.3
80	7.4	5.4	8.0

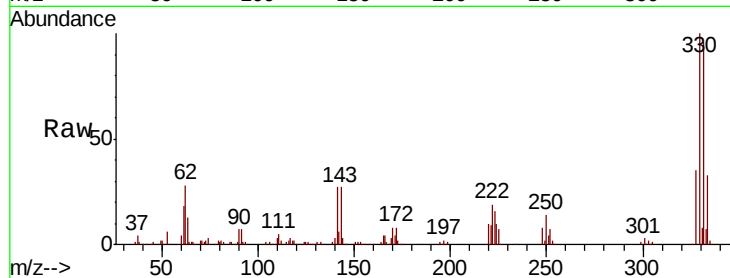




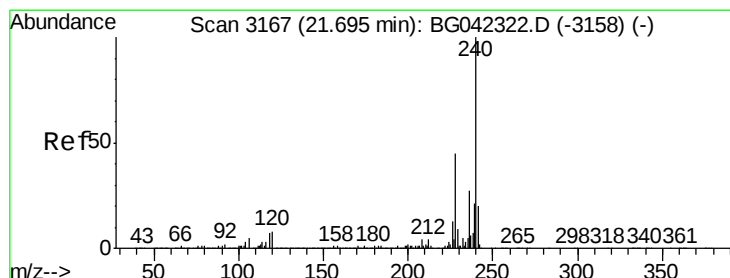
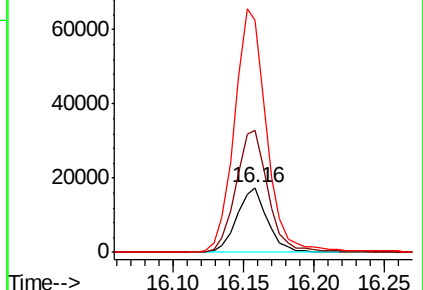
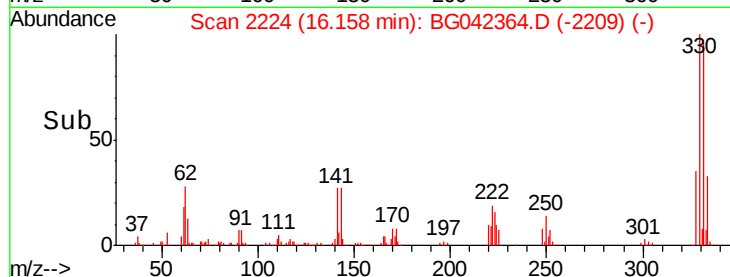
#67
 4-Bromophenyl-phenylether
 Concen: 4.674 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26239
 Ion Ratio Lower Upper
 248 100
 250 188.2 78.0 117.0#
 141 358.8 44.9 67.3#

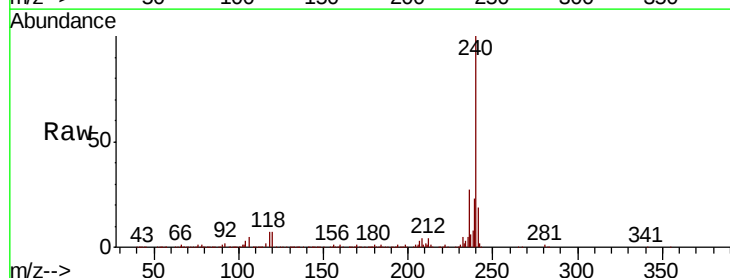


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

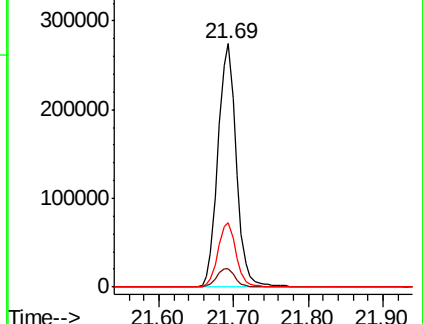
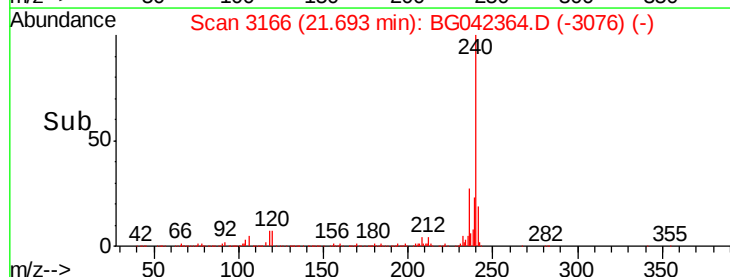


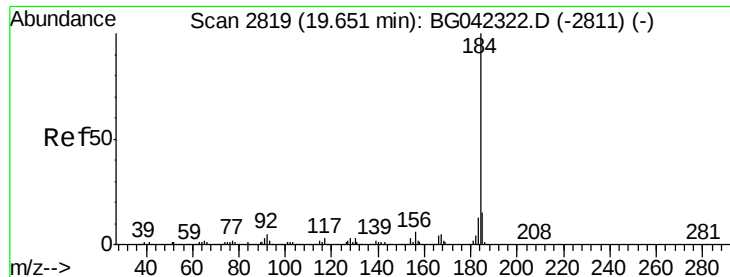
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.00 min
 Lab File: BG042364.D
 Acq: 20 Aug 2019 19:18

Tgt Ion:240 Resp: 470667
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.0 9.0
 236 26.6 21.6 32.4



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: 2.224 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

Instrument :

BNA_G

ClientSampleId :

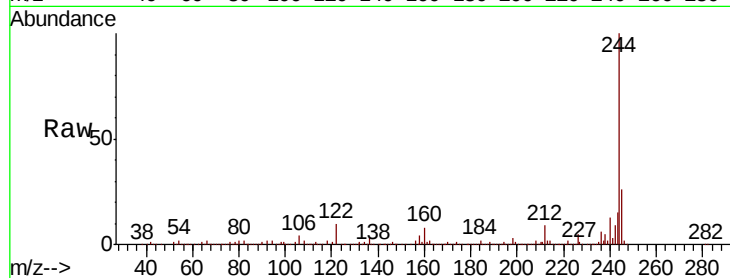
Tot Ion:184 Resp: 27752

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.6

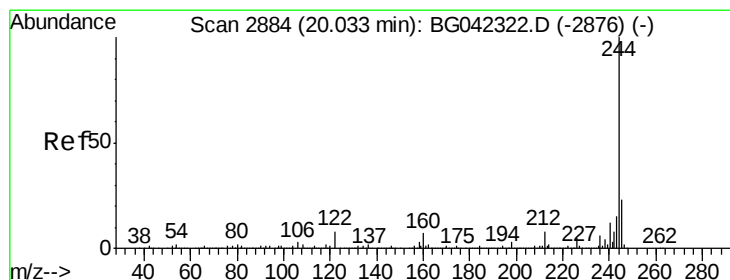
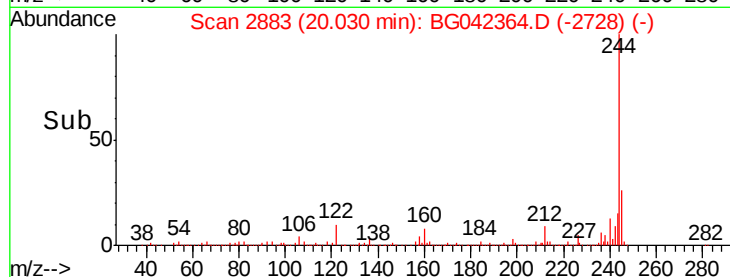
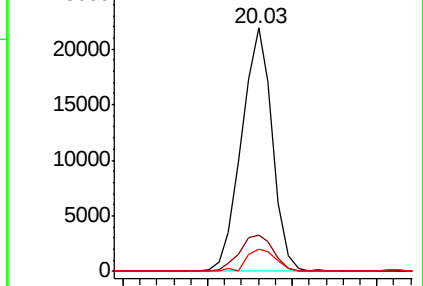
183 9.1 10.6 15.8#



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: 91.004 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042364.D

Acq: 20 Aug 2019 19:18

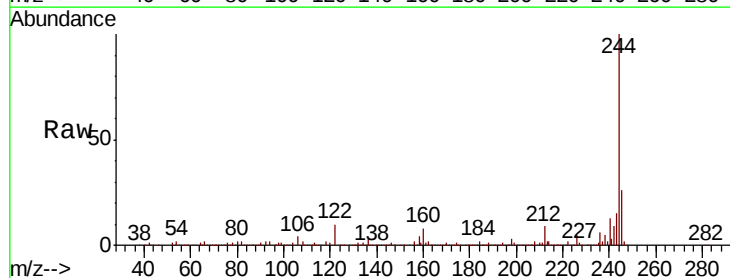
Tgt Ion:244 Resp: 1955563

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

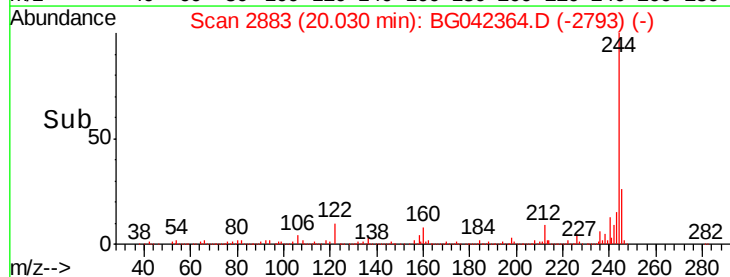
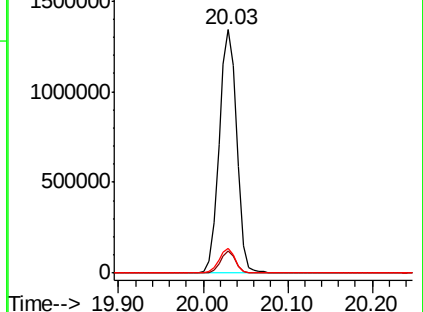
122 10.1 6.6 10.0#

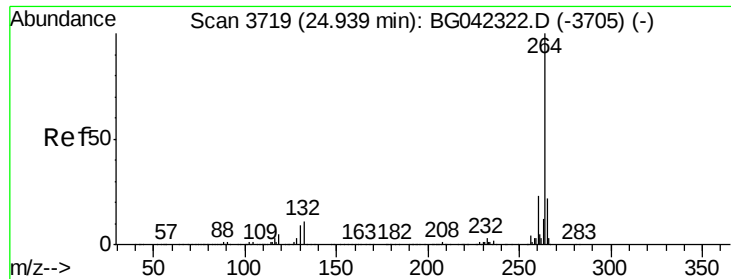


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042364.D
Acq: 20 Aug 2019 19:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	23.1	17.4	26.0

