

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042349.D
 Acq On : 20 Aug 2019 8:45
 Operator : HP/JU
 Sample : k4385-21
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:19:52 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

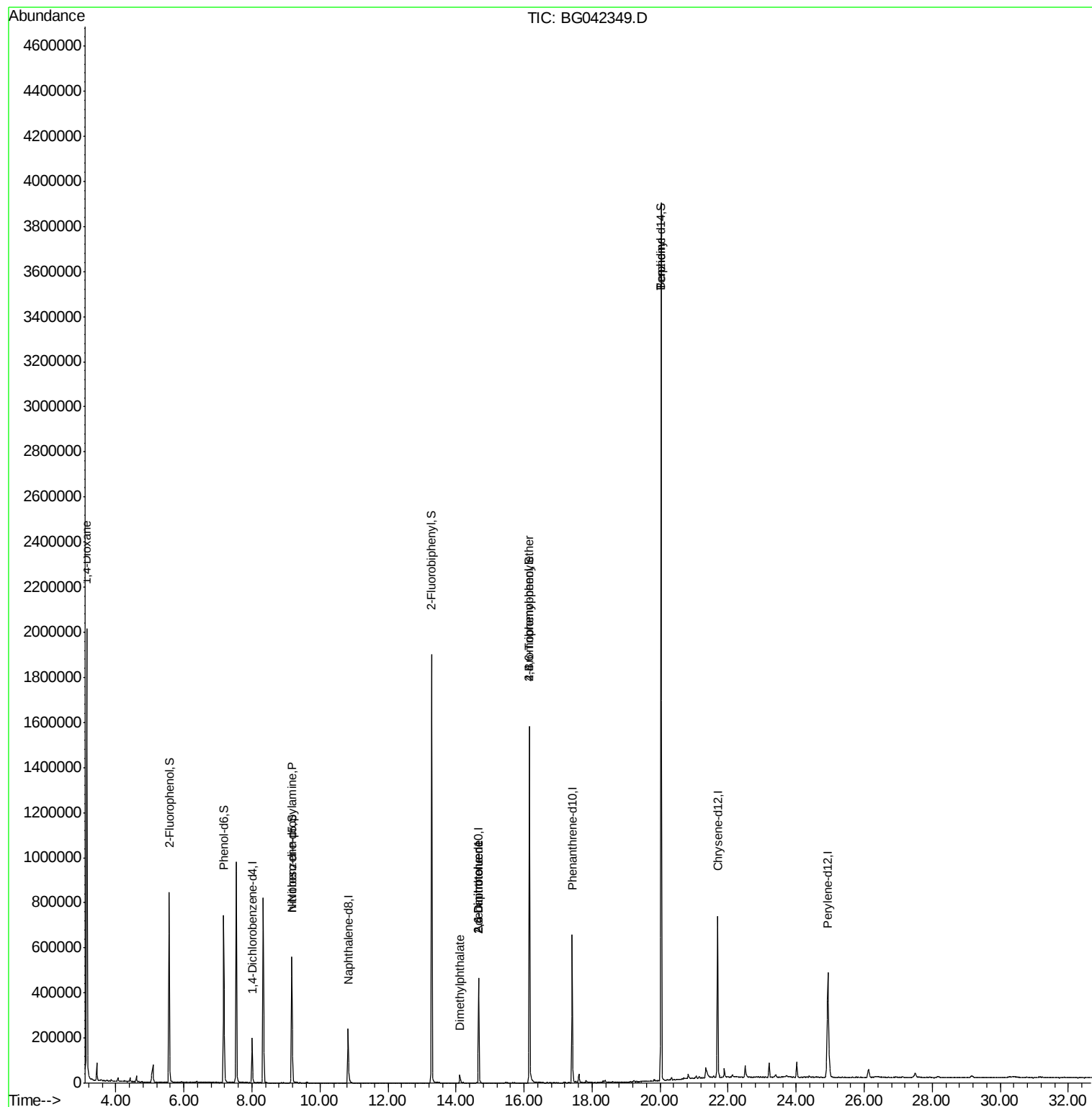
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	66272	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	255342	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	186165	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	429674	20.00	ng	0.00
76) Chrysene-d12	21.69	240	455027	20.00	ng	0.00
87) Perylene-d12	24.93	264	523774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	423572	129.50	ng	0.00
7) Phenol-d6	7.17	99	520868	117.25	ng	0.00
23) Nitrobenzene-d5	9.17	82	374073	103.04	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	380335	150.00	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1108653	100.77	ng	0.00
79) Terphenyl-d14	20.03	244	1958369	94.27	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	23310	16.525	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	47636	16.672	ng	# 72
50) Dimethylphthalate	14.12	163	39694	3.001	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	23566	7.612	ng	# 41
57) 2,4-Dinitrotoluene	14.66	165	23566	5.444	ng	# 39
67) 4-Bromophenyl-phenylether	16.16	248	27756	5.076	ng	# 1
77) Benzidine	20.03	184	27891	2.312	ng	# 93

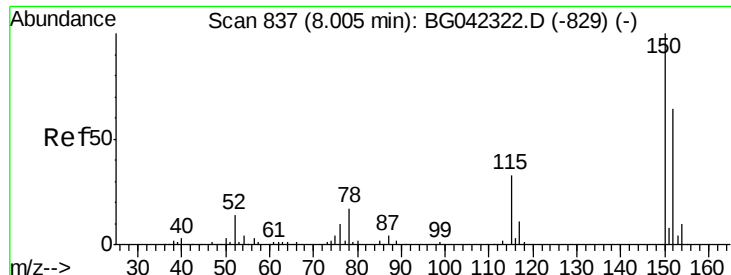
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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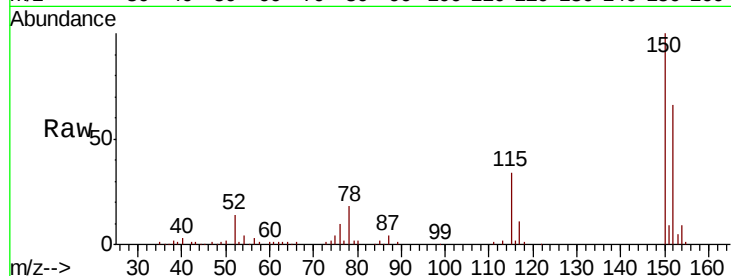


#1

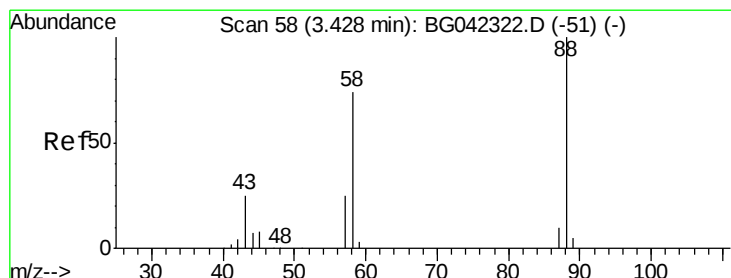
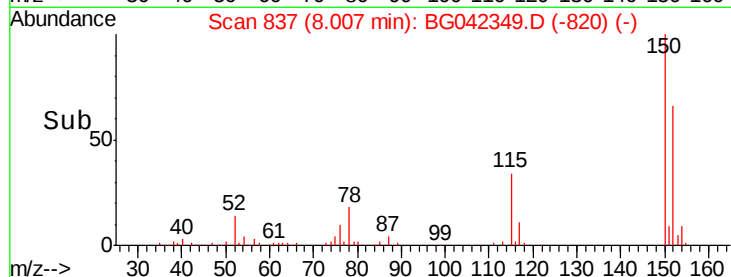
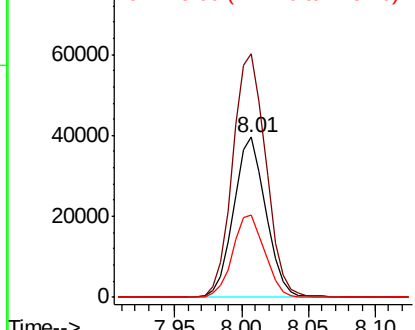
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 66272
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.3 186.5
 115 51.7 40.5 60.7



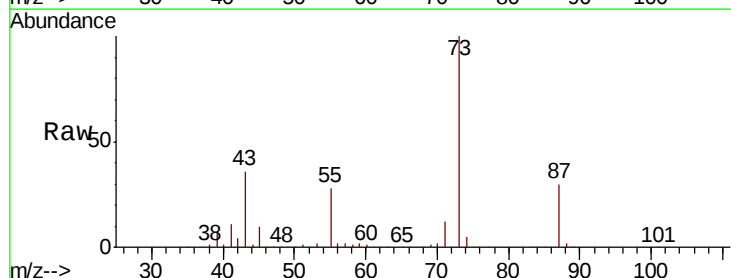
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



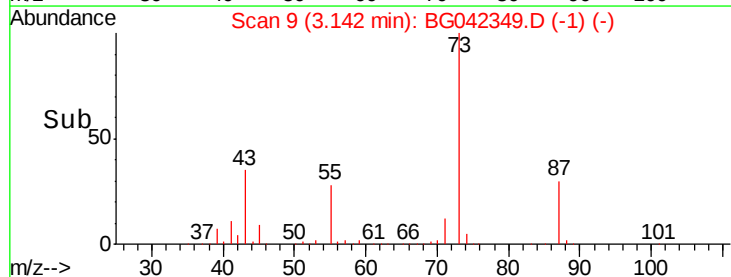
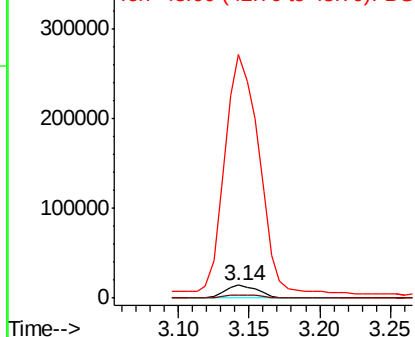
#2

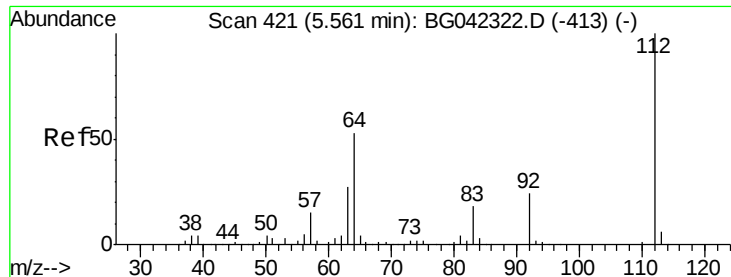
1,4-Dioxane
 Concen: 16.525 ng
 RT: 3.14 min Scan# 9
 Delta R.T. -0.29 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Tgt Ion: 88 Resp: 23310
 Ion Ratio Lower Upper
 88 100
 58 24.3 58.6 88.0#
 43 1961.6 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: 129.496 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

Instrument :

BNA_G

ClientSampleId :

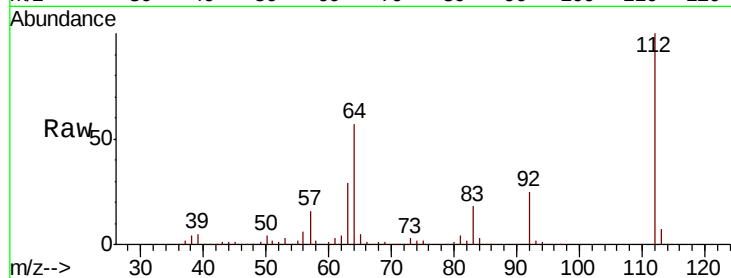
Tot Ion:112 Resp: 423572

Ion Ratio Lower Upper

112 100

64 56.5 42.5 63.7

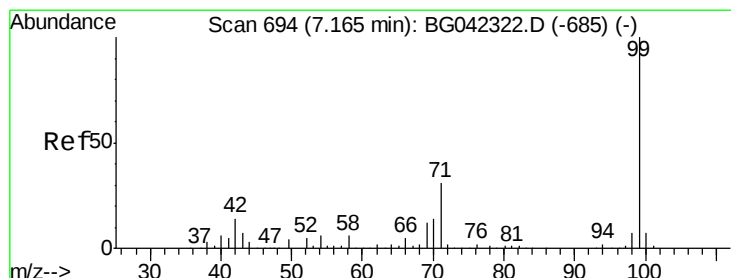
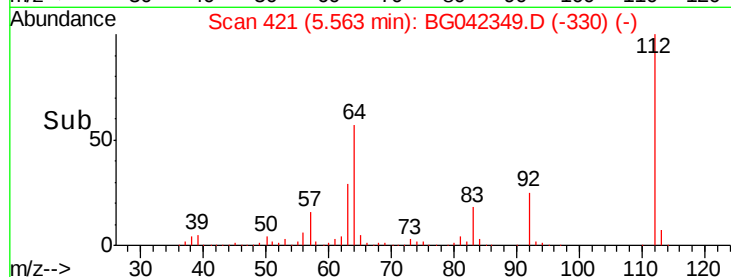
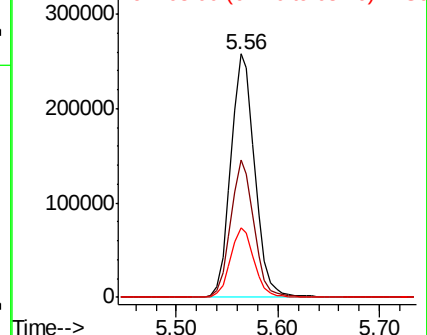
63 28.6 21.7 32.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 117.252 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

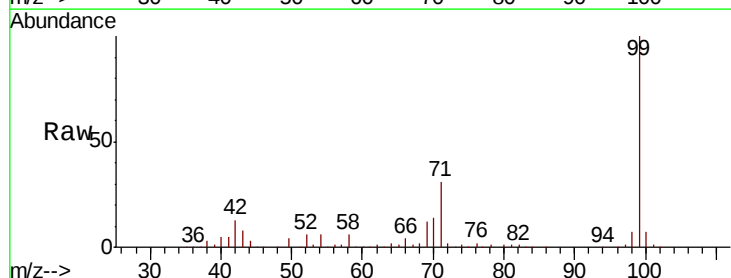
Tgt Ion: 99 Resp: 520868

Ion Ratio Lower Upper

99 100

42 13.4 11.4 17.0

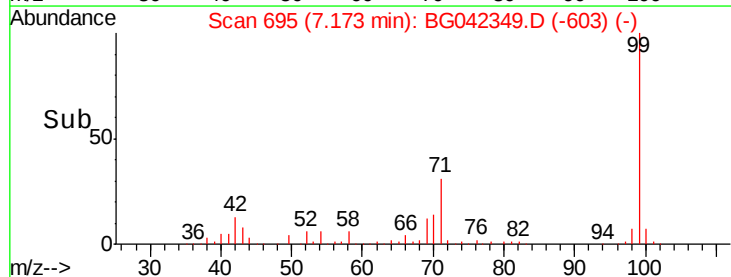
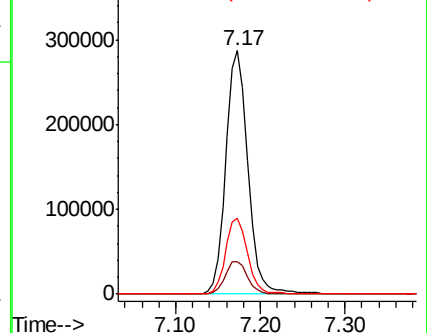
71 31.4 25.1 37.7

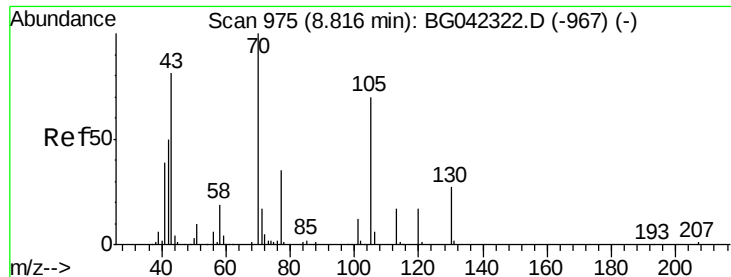


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 16.672 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 47636

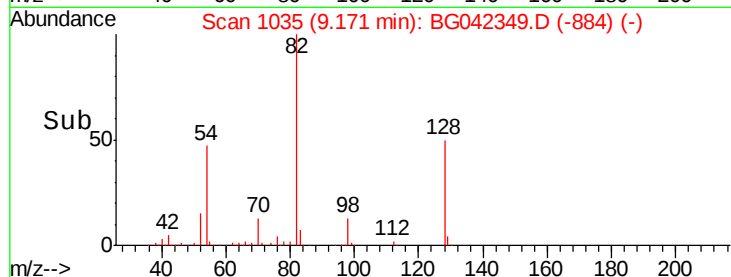
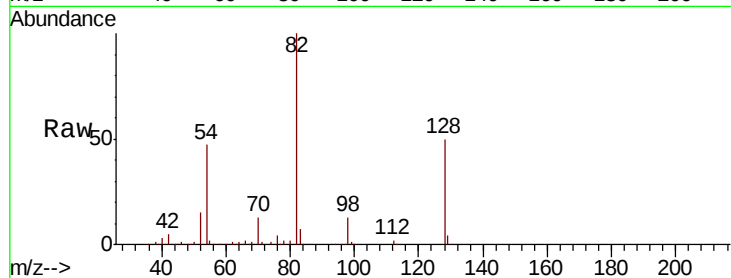
Ion Ratio Lower Upper

70 100

42 39.5 40.5 60.7#

101 0.0 9.3 13.9#

130 1.4 22.0 33.0#

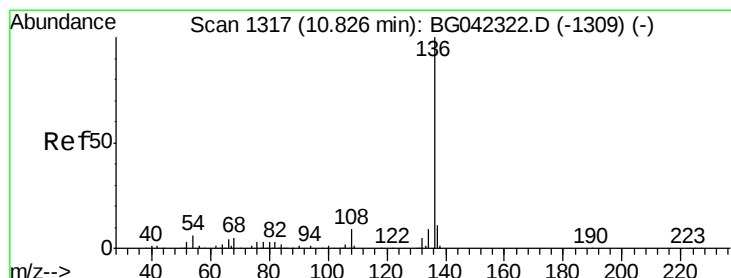
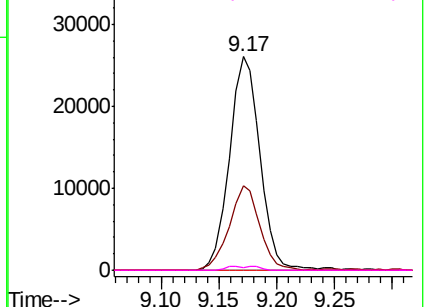


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG042349.D

Acq: 20 Aug 2019 8:45

Tgt Ion: 136 Resp: 255342

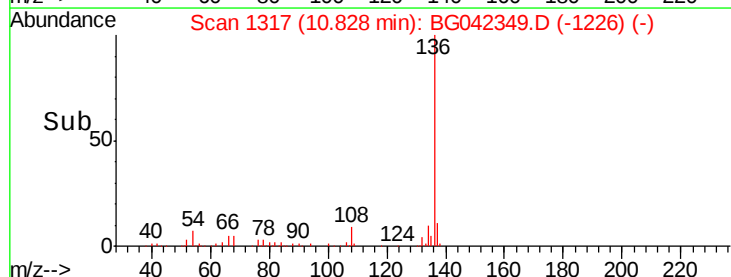
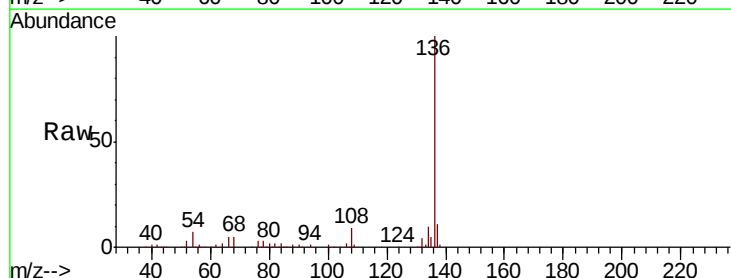
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.6 5.0 7.4

68 4.8 3.8 5.8

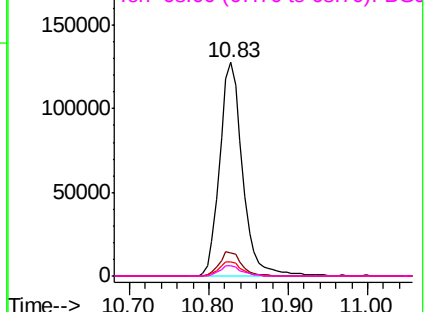


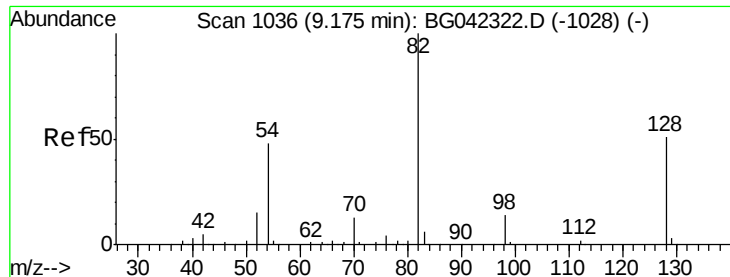
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

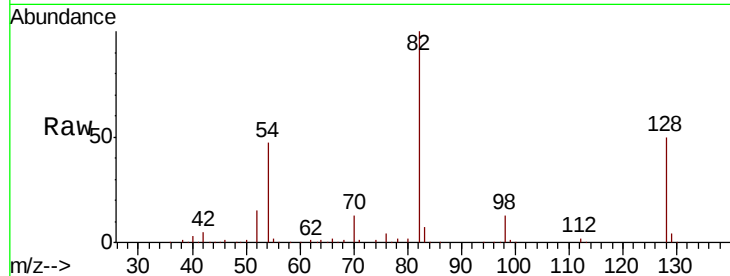




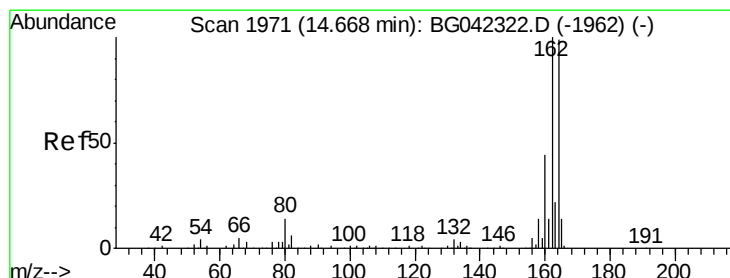
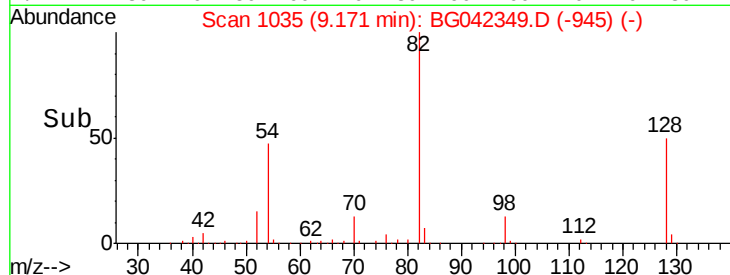
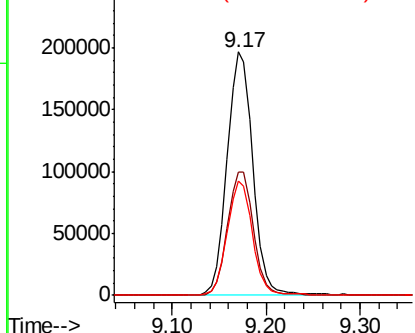
#23
 Nitrobenzene-d5
 Concen: 103.037 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 374073
 Ion Ratio Lower Upper
 82 100
 128 50.4 41.0 61.4
 54 46.8 38.0 57.0

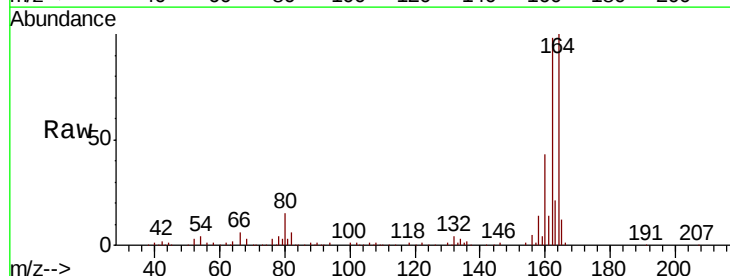


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

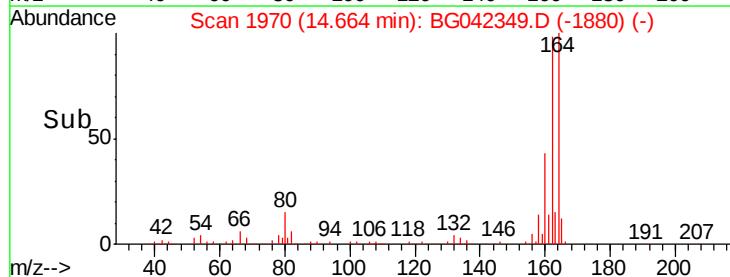
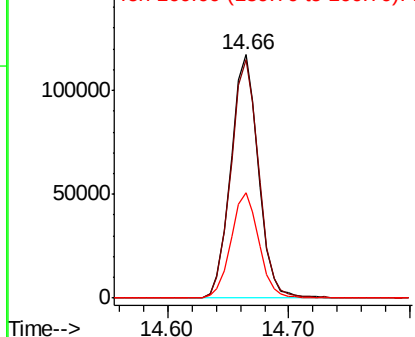


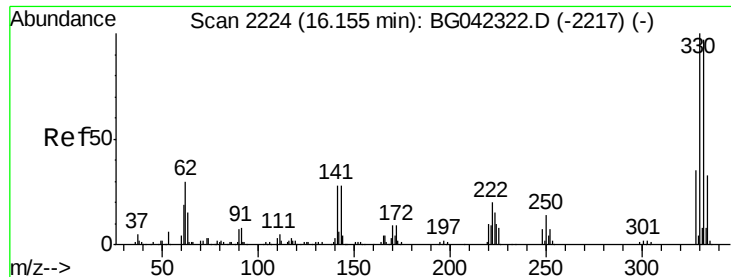
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Tgt Ion:164 Resp: 186165
 Ion Ratio Lower Upper
 164 100
 162 98.0 80.6 120.8
 160 43.2 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

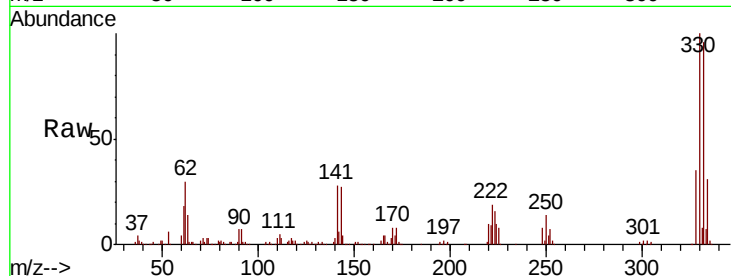




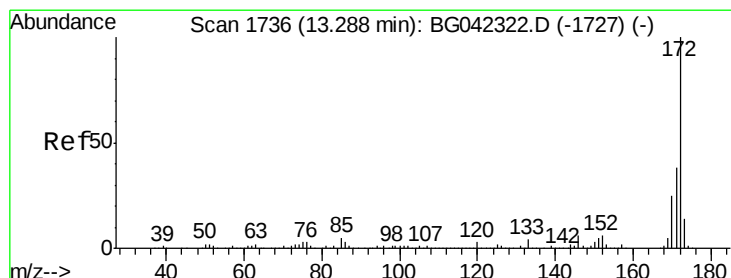
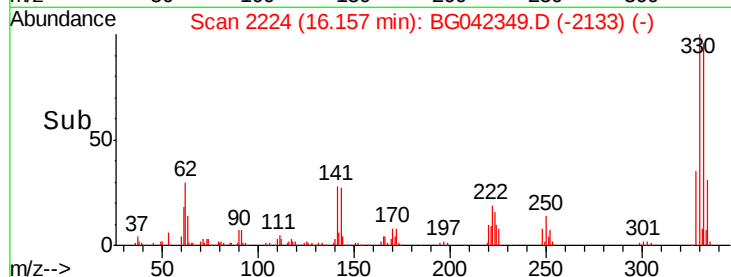
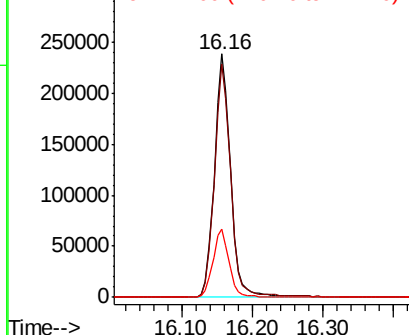
#42
 2,4,6-Tribromophenol
 Concen: 150.002 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	28.3	21.8	32.6

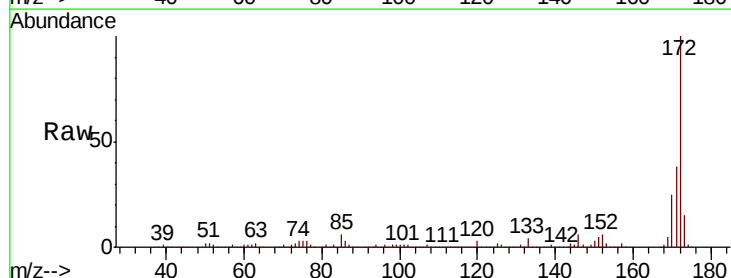


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

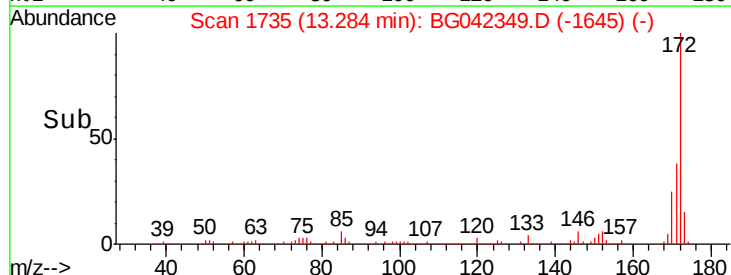
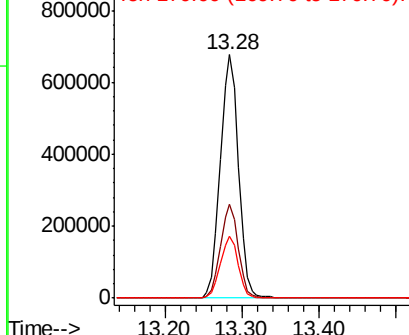


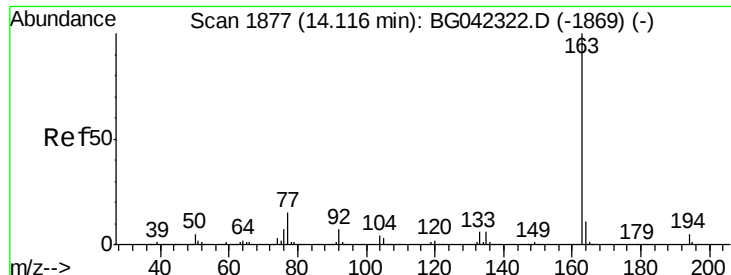
#45
 2-Fluorobiphenyl
 Concen: 100.772 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.3	45.5
170	25.3	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





#50

Dimethylphthalate

Concen: 3.001 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

Instrument :

BNA_G

ClientSampled :

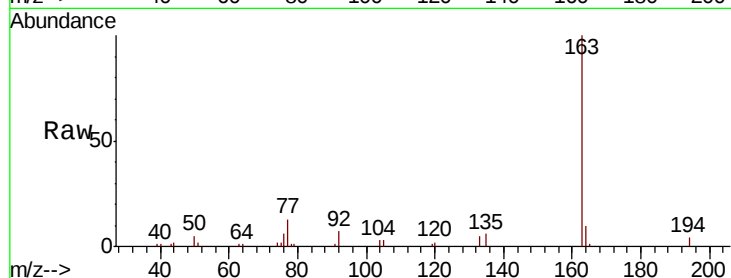
Tot Ion:163 Resp: 39694

Ion Ratio Lower Upper

163 100

194 4.1 4.2 6.2#

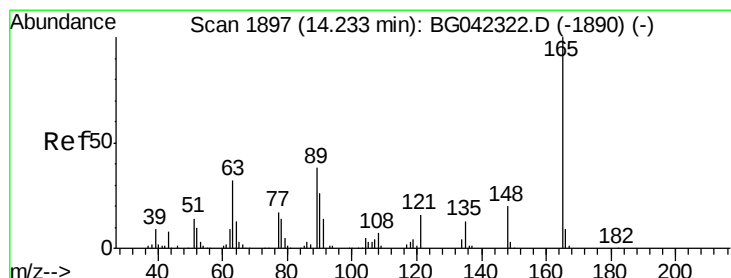
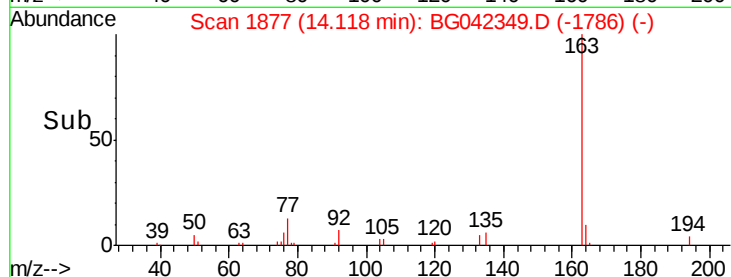
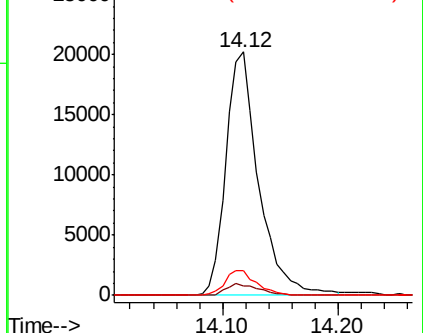
164 10.4 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.612 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

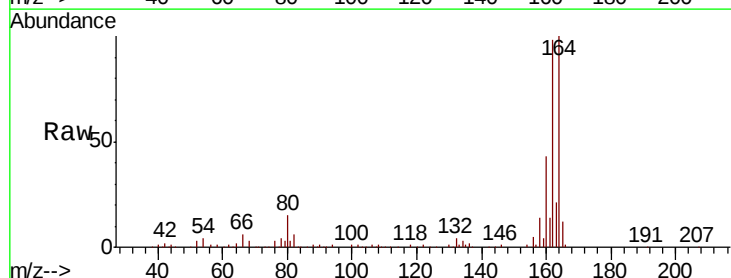
Tgt Ion:165 Resp: 23566

Ion Ratio Lower Upper

165 100

63 1.3 28.2 42.2#

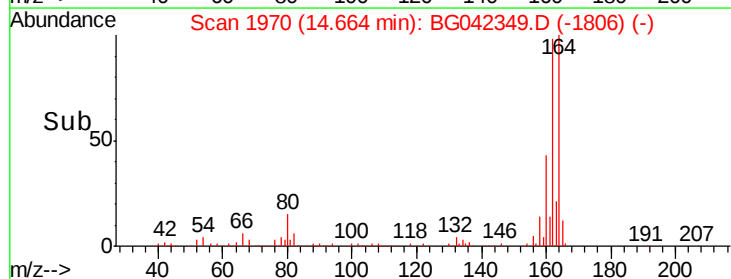
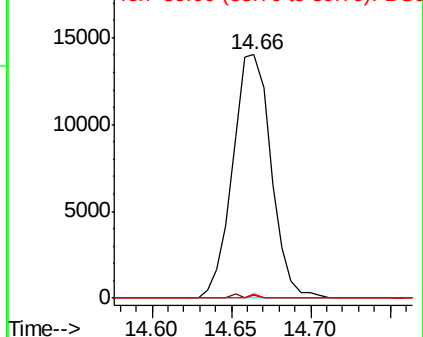
89 1.8 30.0 45.0#

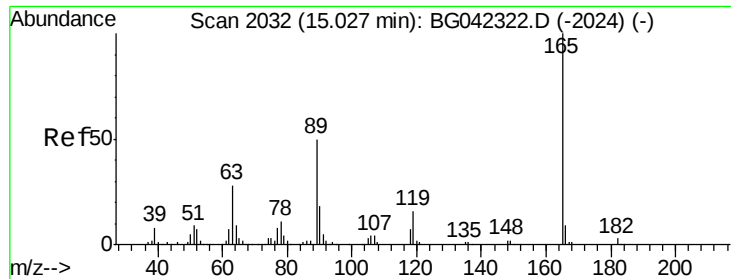


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

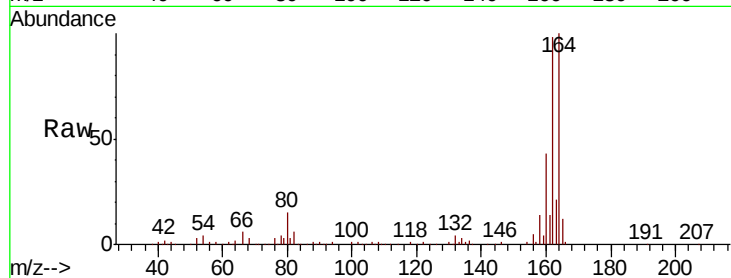




#57
 2,4-Dinitrotoluene
 Concen: 5.444 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.4	33.6#
89	1.8	40.2	60.2#
182	0.0	2.6	3.8#

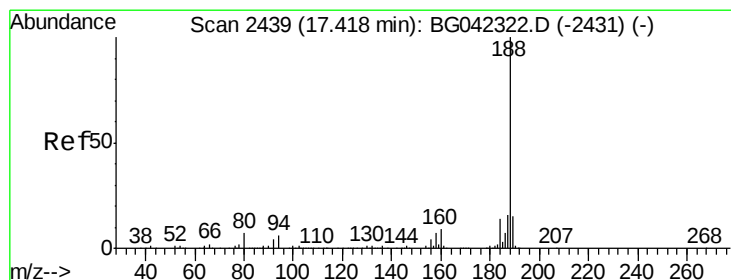
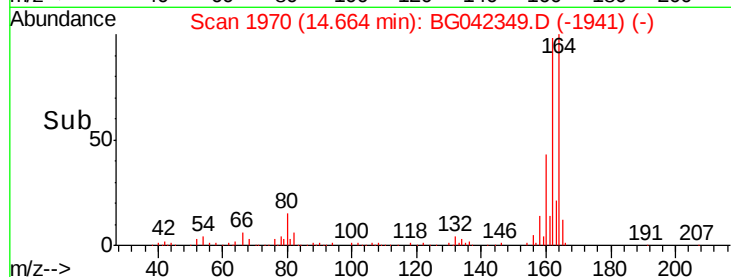
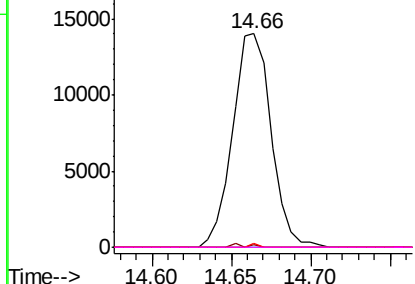


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

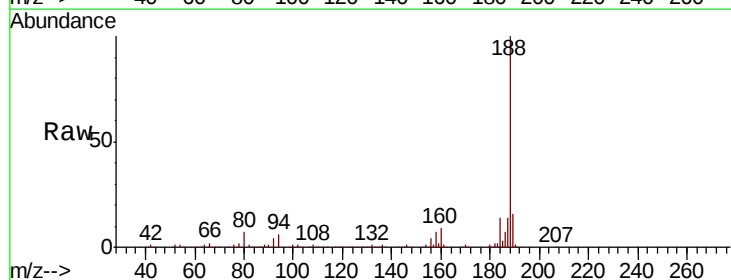
Ion 89.00 (88.70 to 89.70): BGC

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: BG042349.D
 Acq: 20 Aug 2019 8:45

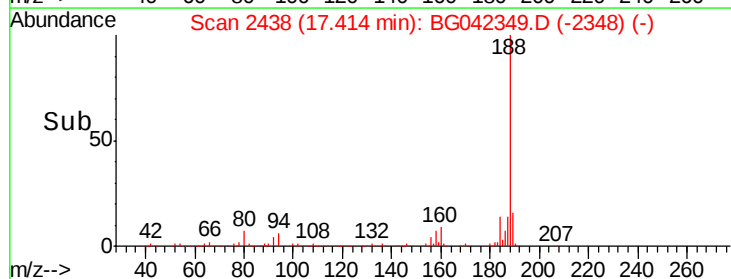
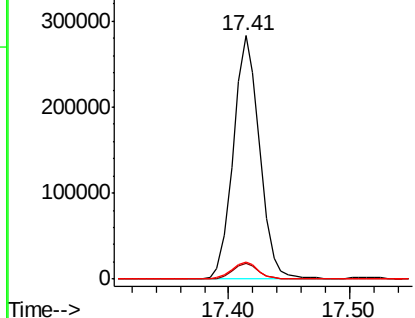
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.9	7.3
80	7.1	5.4	8.0

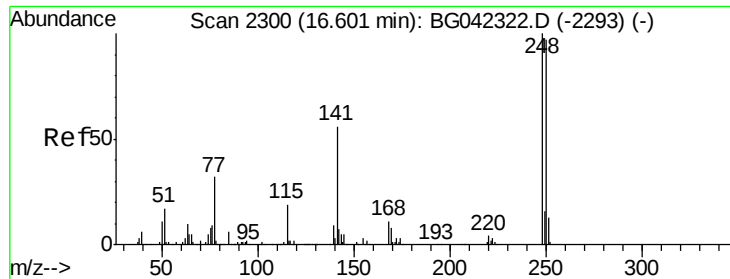


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

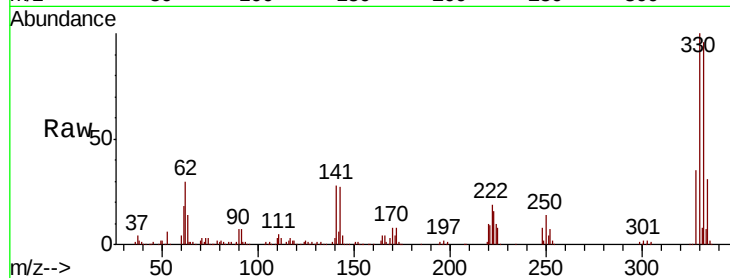




#67
 4-Bromophenyl-phenylether
 Concen: 5.076 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042349.D
 Acq: 20 Aug 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	183.2	78.0	117.0#
141	365.2	44.9	67.3#

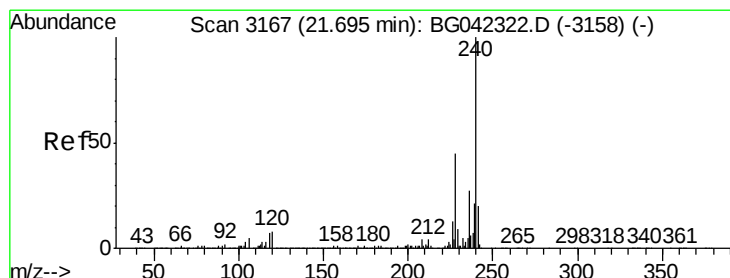
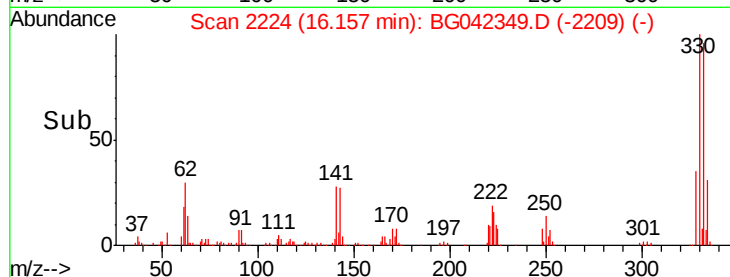
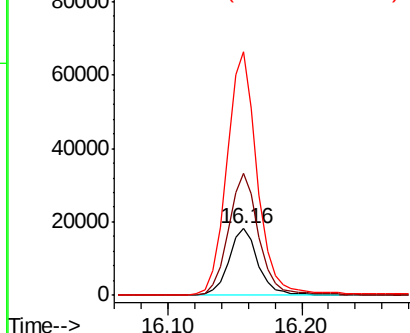


Abundance

Ion 248.00 (247.70 to 248.70): E

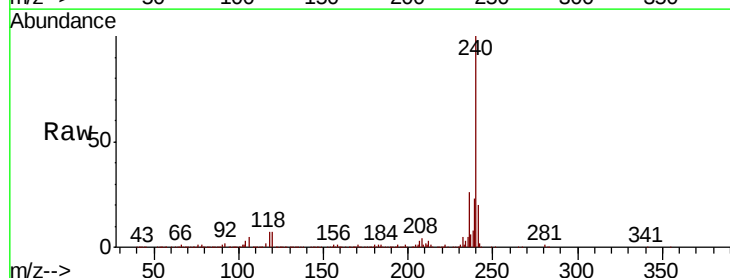
Ion 250.00 (249.70 to 250.70): E

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: BG042349.D
 Acq: 20 Aug 2019 8:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.0	9.0
236	25.8	21.6	32.4

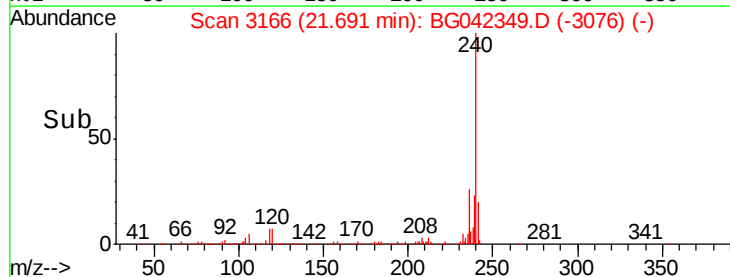
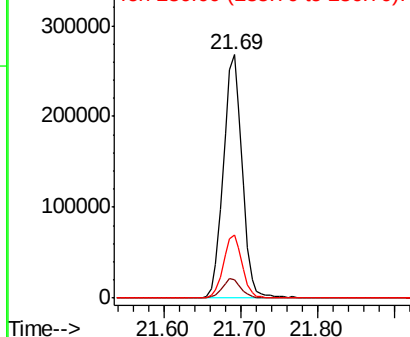


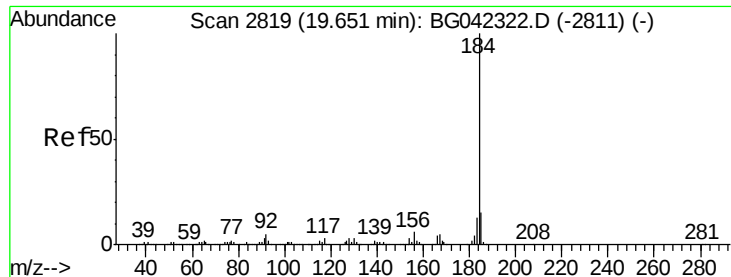
Abundance

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: 2.312 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

Instrument :

BNA_G

ClientSampleId :

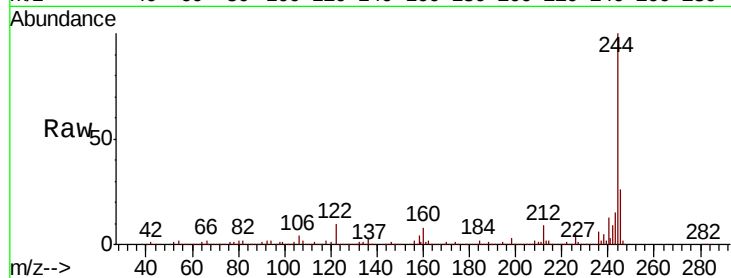
Tot Ion:184 Resp: 27891

Ion Ratio Lower Upper

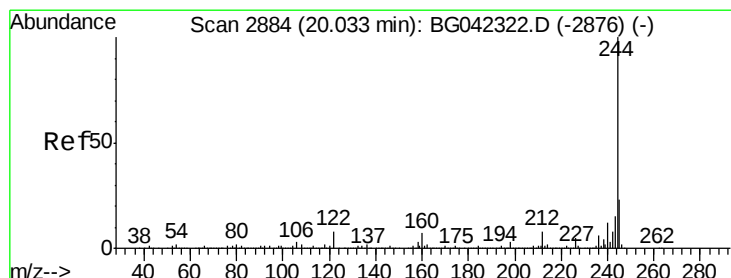
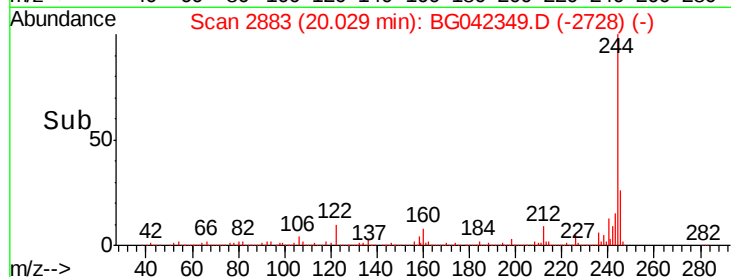
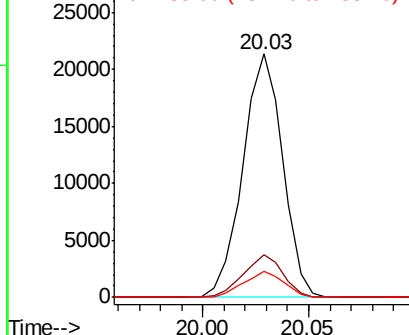
184 100

185 17.4 11.8 17.6

183 10.5 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: 94.267 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042349.D

Acq: 20 Aug 2019 8:45

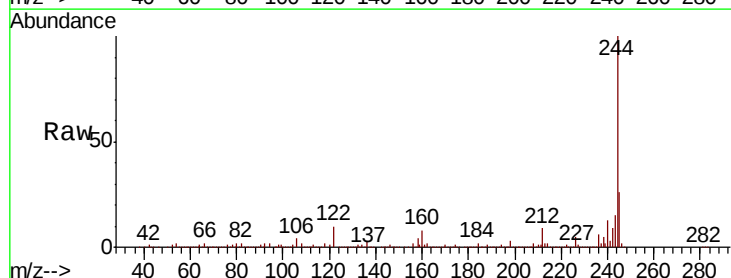
Tgt Ion:244 Resp: 1958369

Ion Ratio Lower Upper

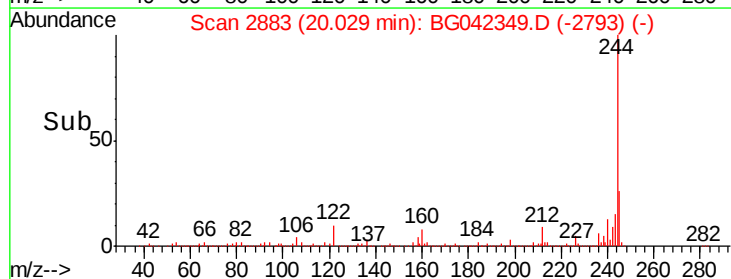
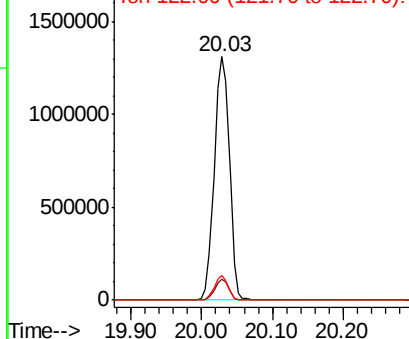
244 100

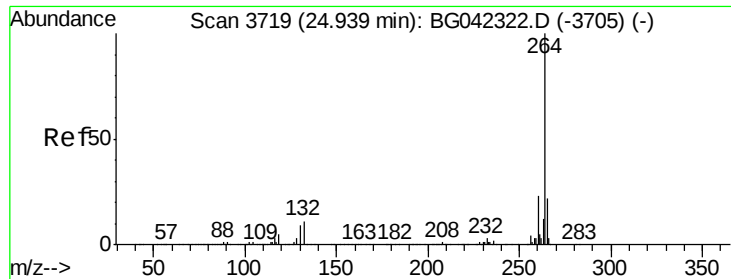
212 8.7 6.4 9.6

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# 3718
Delta R.T. -0.00 min
Lab File: BG042349.D
Acq: 20 Aug 2019 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	22.2	17.4	26.0

