

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100819\
 Data File : BG043095.D
 Acq On : 8 Oct 2019 21:12
 Operator : JU
 Sample : PB123740TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 09 01:11:08 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

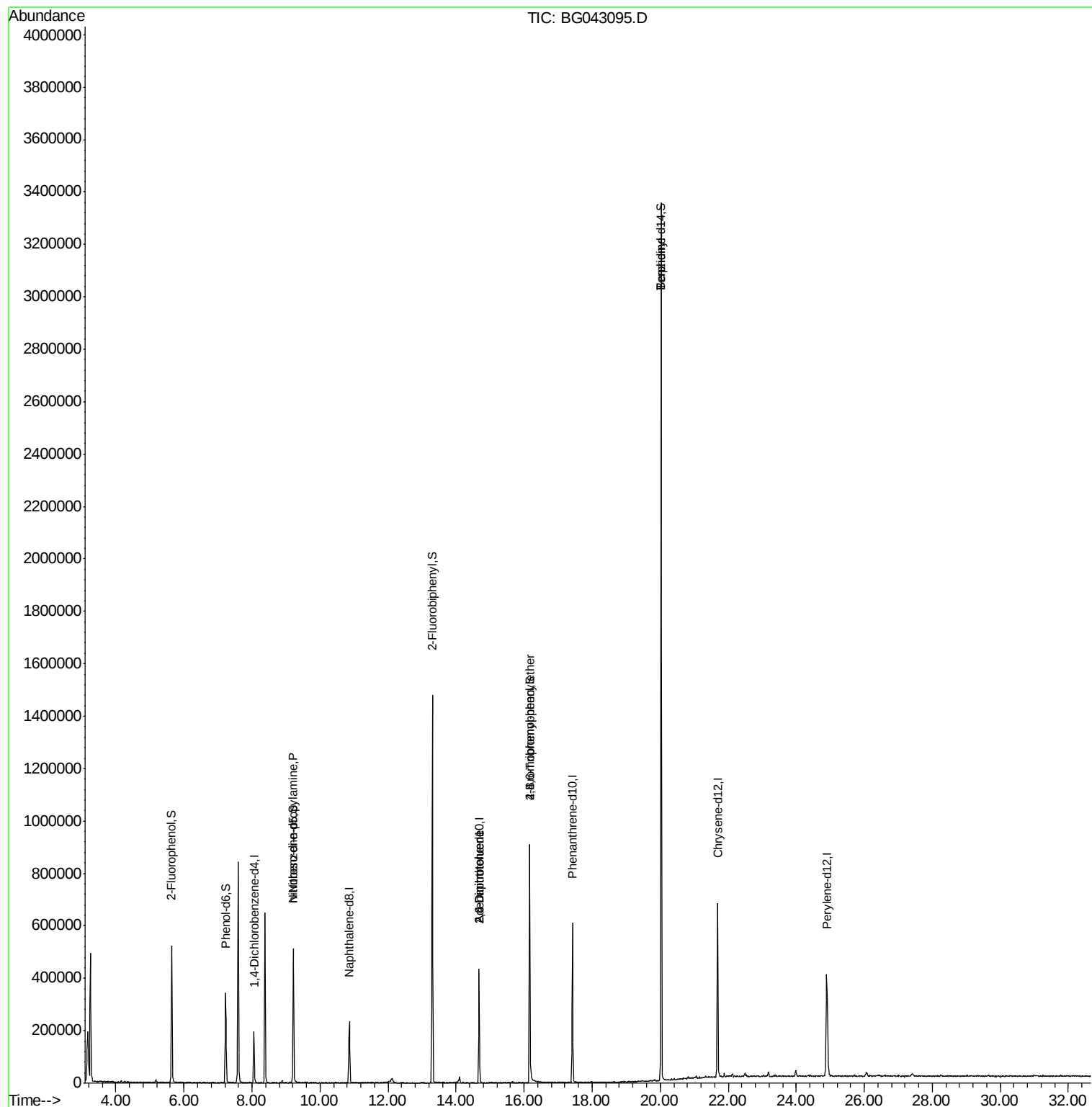
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58063	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	210957	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	157388	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	389812	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	403281	20.00	ng	-0.03
87) Perylene-d12	24.90	264	464249	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	233907	71.89	ng	-0.02
7) Phenol-d6	7.22	99	205565	43.87	ng	-0.02
23) Nitrobenzene-d5	9.22	82	316895	73.01	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	219250	81.01	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	842505	77.60	ng	-0.02
79) Terphenyl-d14	20.03	244	1701726	89.92	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	45130	14.669	ng	# 70
51) 2,6-Dinitrotoluene	14.67	165	20888	8.318	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	20888	5.680	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	13927	2.847	ng	# 1
77) Benzidine	20.03	184	26147	2.589	ng	# 96

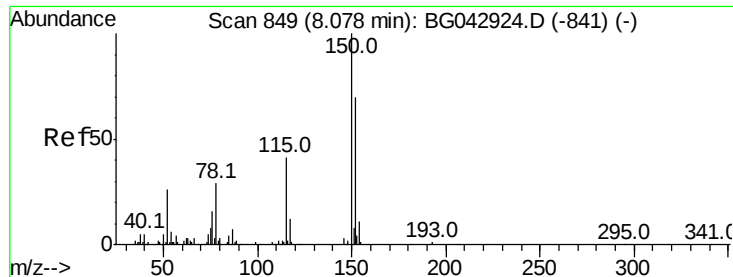
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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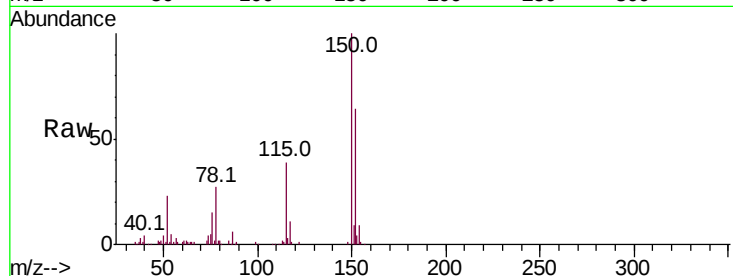


#1

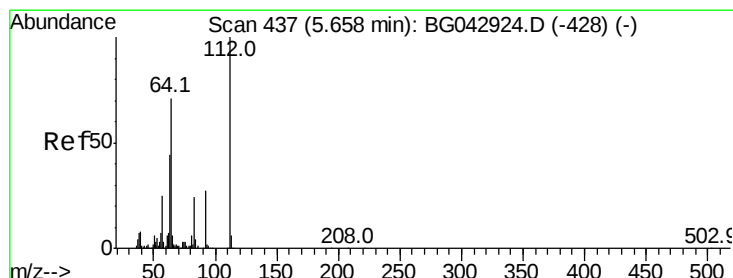
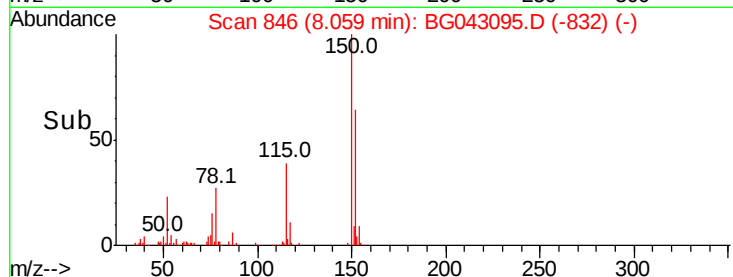
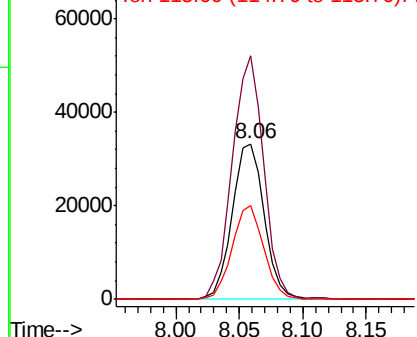
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043095.D
Acq: 8 Oct 2019 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	115.0	172.4
115	60.5	47.0	70.6



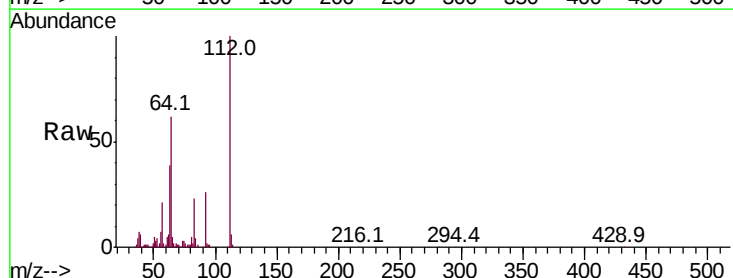
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



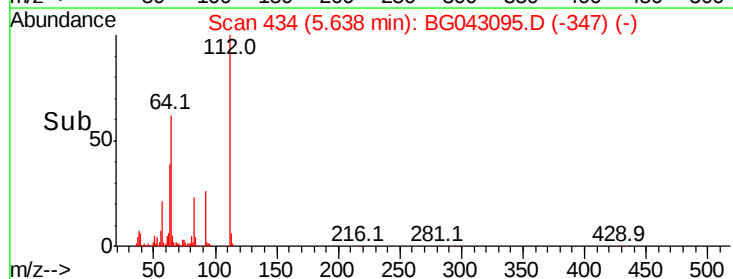
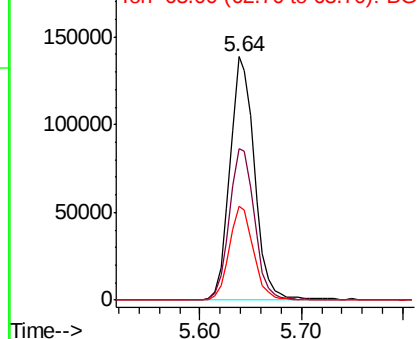
#5

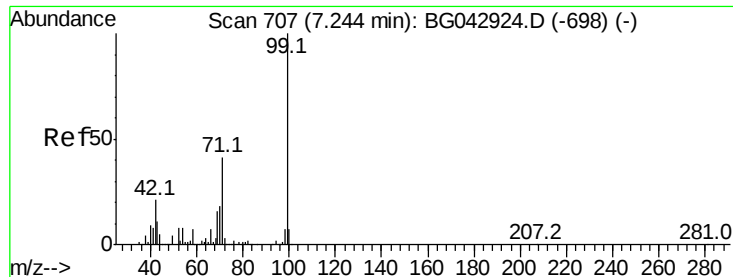
2-Fluorophenol
Concen: 71.894 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043095.D
Acq: 8 Oct 2019 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	56.6	84.8
63	38.6	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: 43.875 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

Instrument :

BNA_G

ClientSampleId :

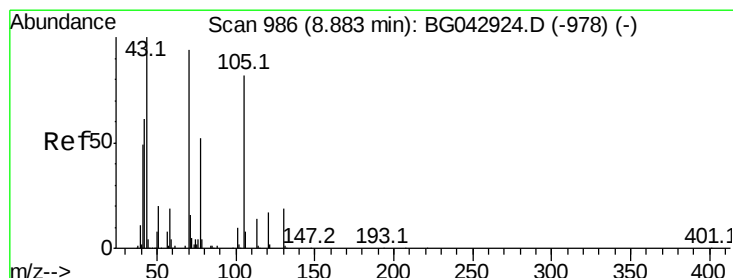
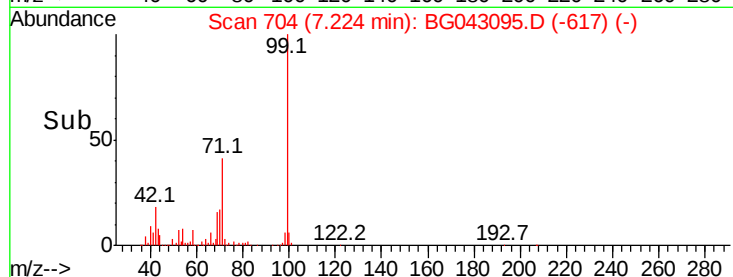
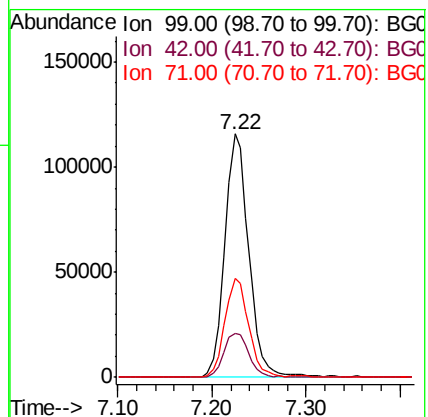
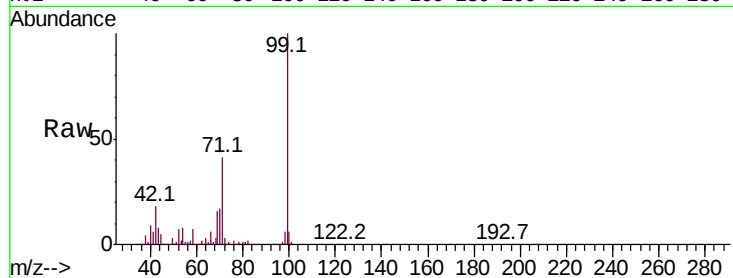
Tot Ion: 99 Resp: 205565

Ion Ratio Lower Upper

99 100

42 18.3 17.2 25.8

71 40.9 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.669 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.33 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

Tgt Ion: 70 Resp: 45130

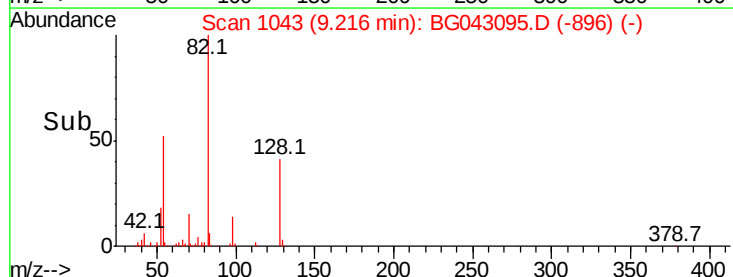
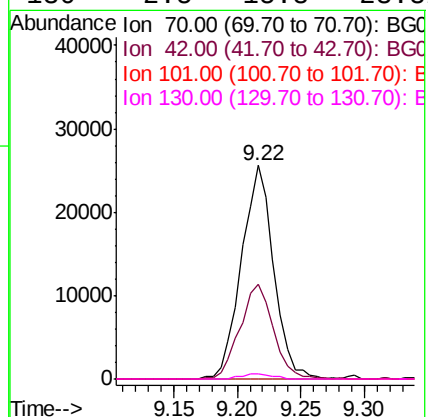
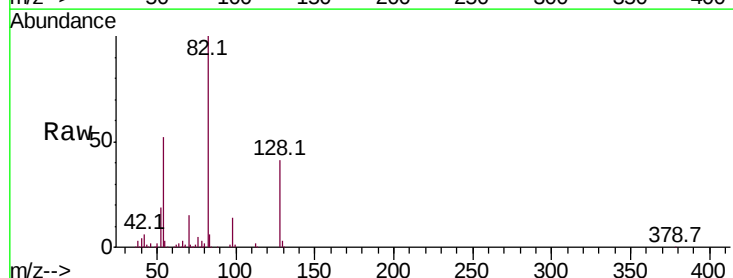
Ion Ratio Lower Upper

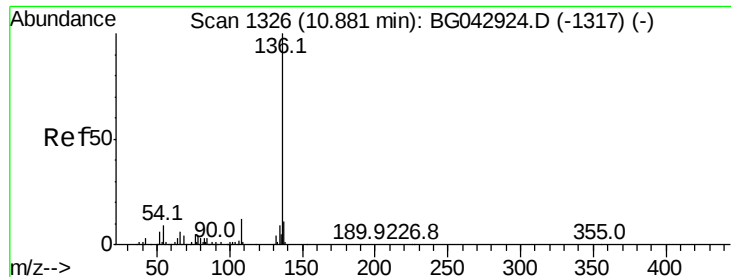
70 100

42 44.2 52.6 79.0#

101 0.0 8.7 13.1#

130 2.5 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 210957

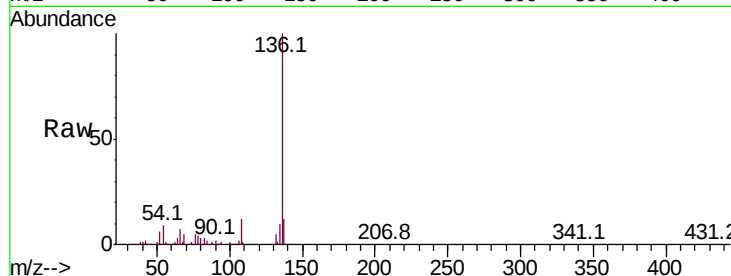
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 8.5 7.4 11.2

68 4.8 3.6 5.4

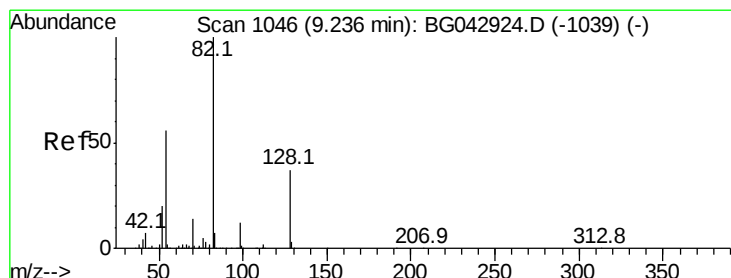
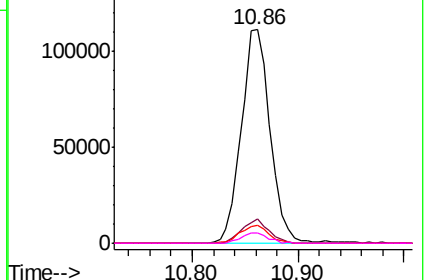
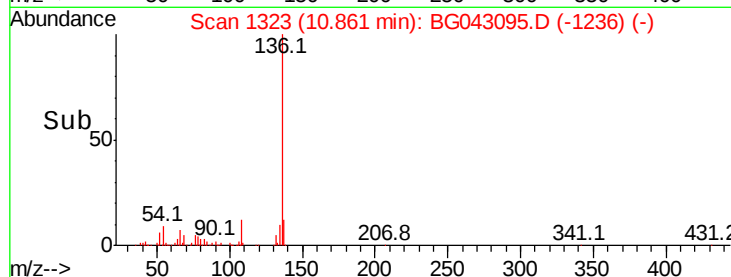


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.014 ng

RT: 9.22 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

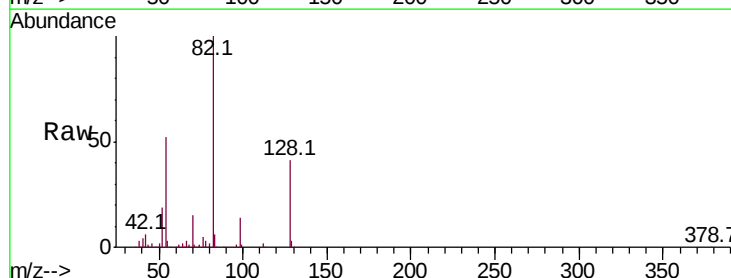
Tgt Ion: 82 Resp: 316895

Ion Ratio Lower Upper

82 100

128 41.1 29.5 44.3

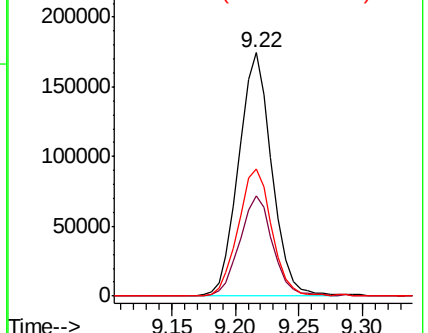
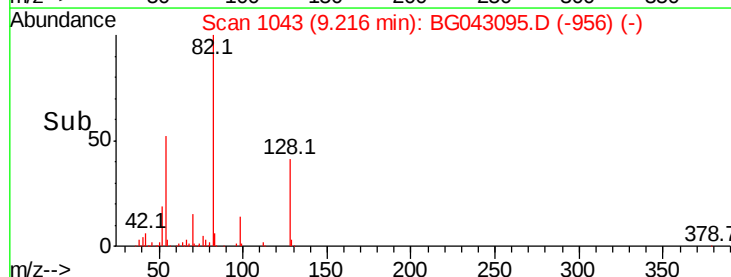
54 52.1 44.6 67.0

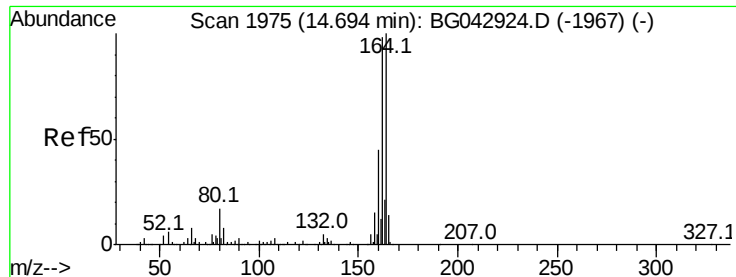


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

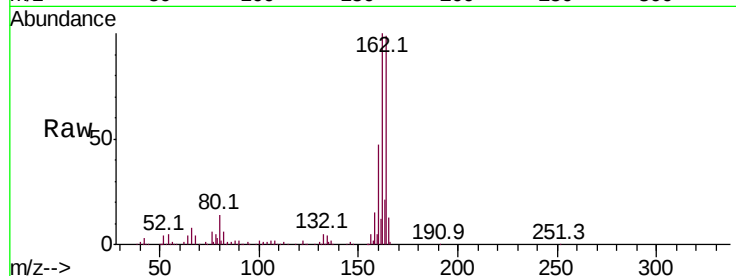




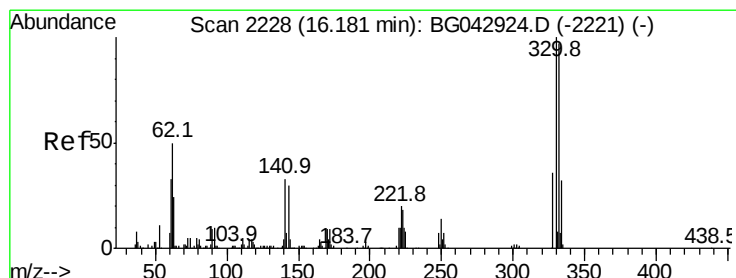
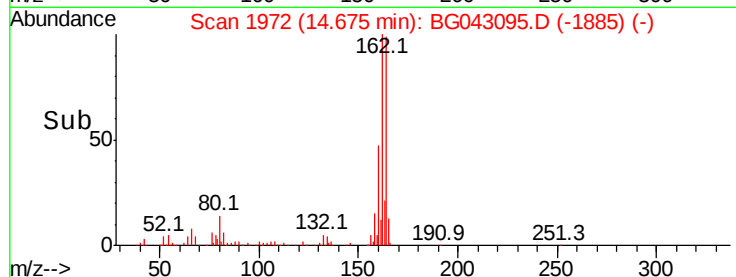
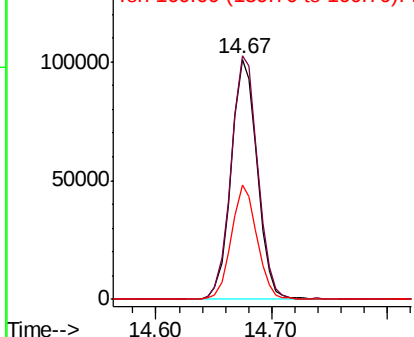
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.02 min
Lab File: BG043095.D
Acq: 8 Oct 2019 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.5	117.7
160	47.8	35.9	53.9

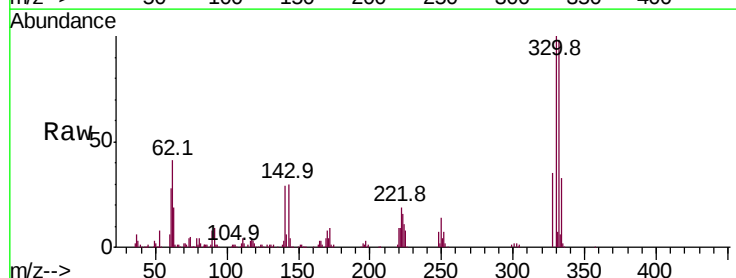


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

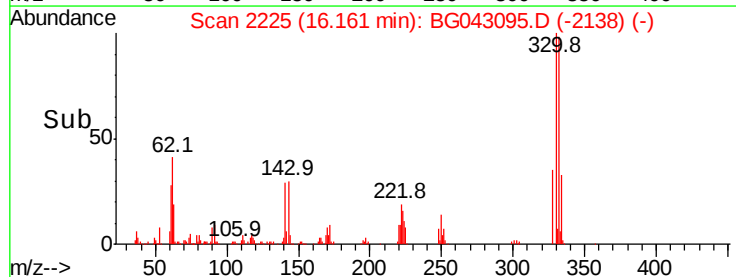
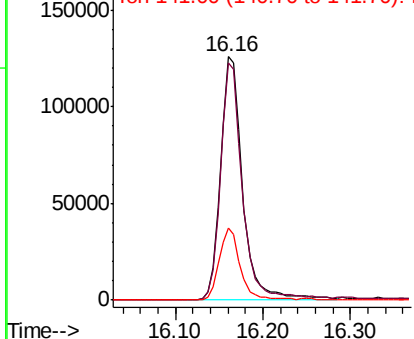


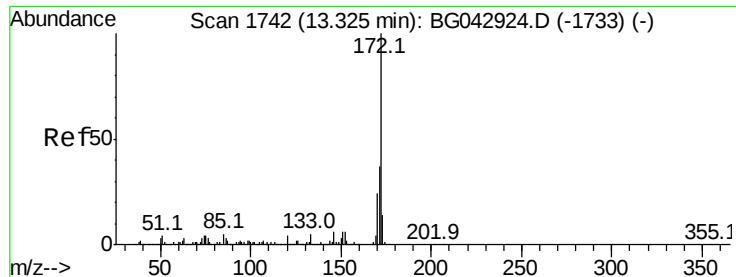
#42
2,4,6-Tribromophenol
Concen: 81.012 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BG043095.D
Acq: 8 Oct 2019 21:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	28.0	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

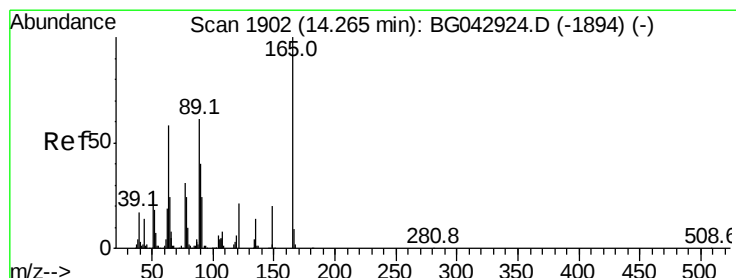
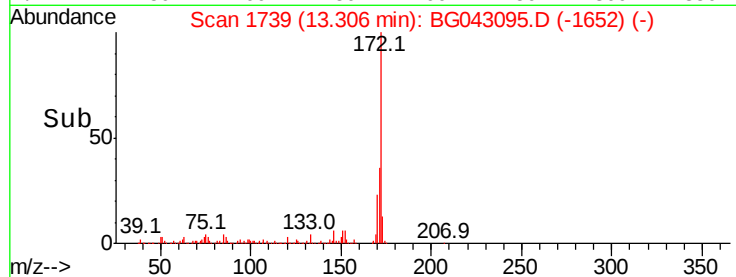
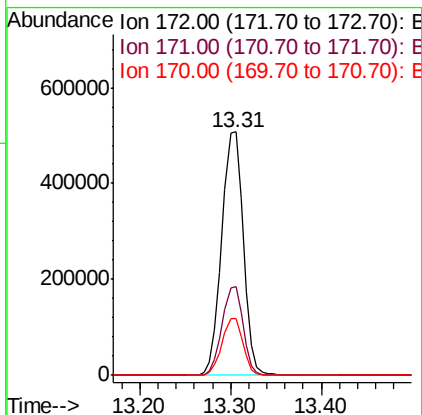
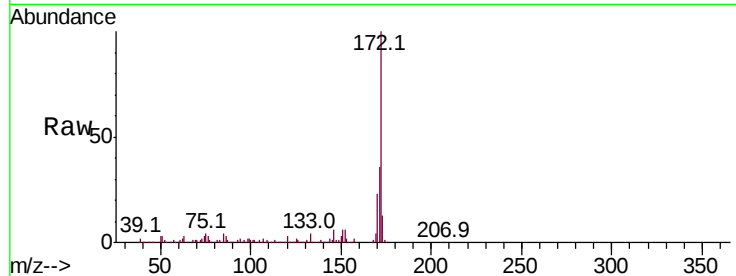




#45
 2-Fluorobiphenyl
 Concen: 77.603 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

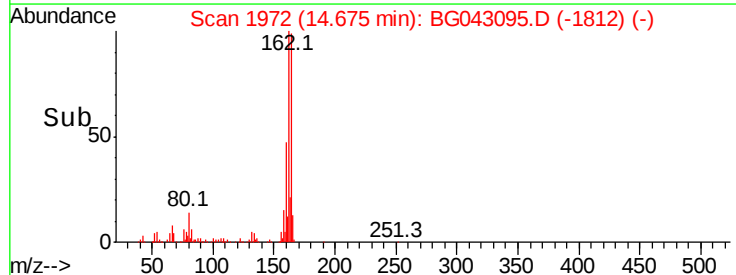
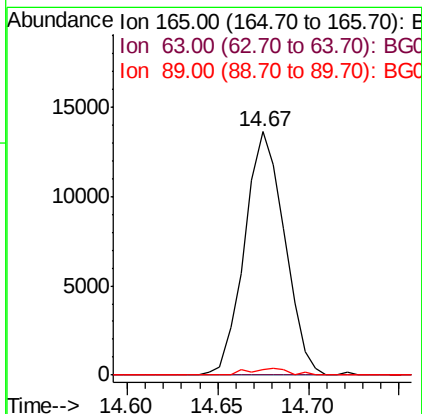
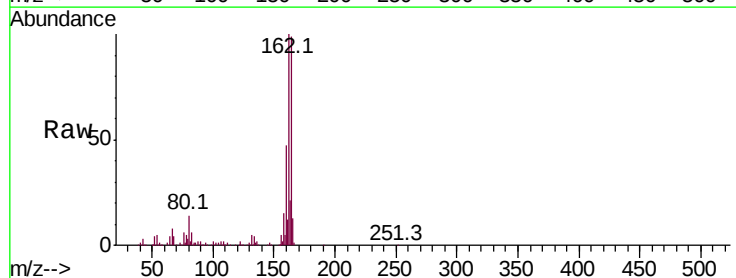
Instrument :
 BNA_G
 ClientSampleId :

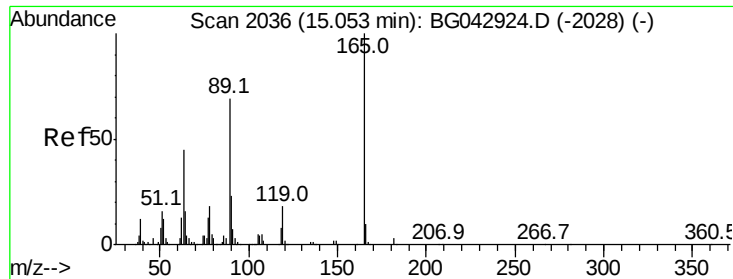
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.6	29.4



#51
 2,6-Dinitrotoluene
 Concen: 8.318 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.3	75.5#
89	2.1	48.9	73.3#

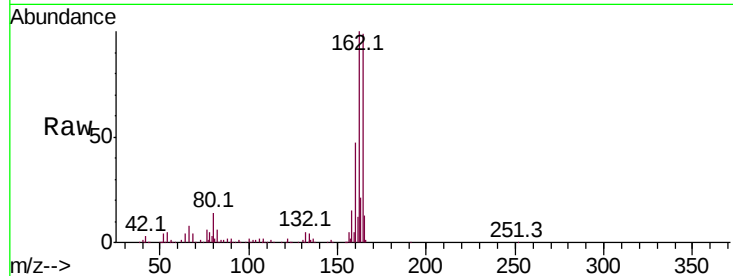




#57
 2,4-Dinitrotoluene
 Concen: 5.680 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.5	54.7#
89	2.1	55.5	83.3#
182	0.0	2.4	3.6#



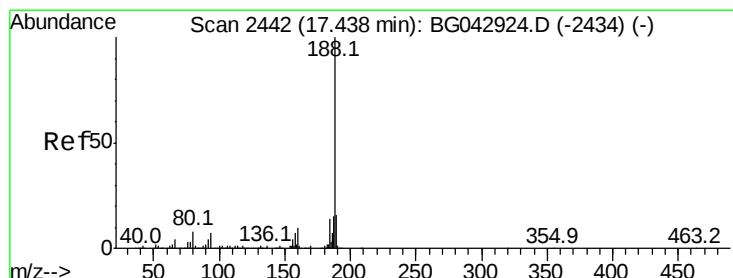
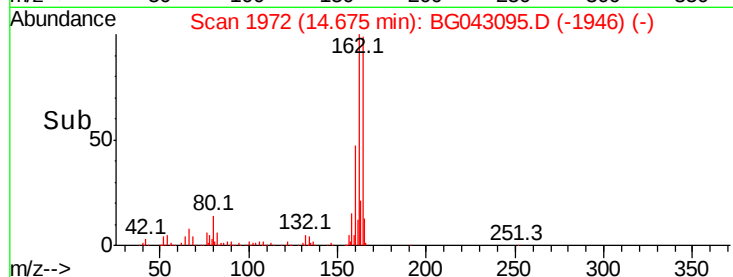
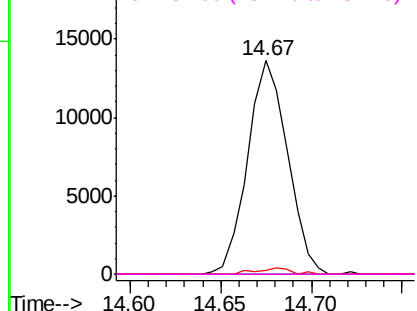
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

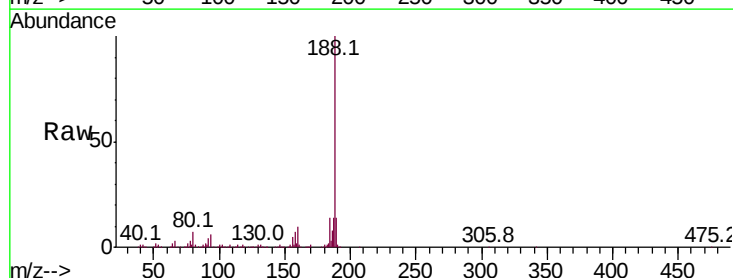
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	7.2	6.5	9.7

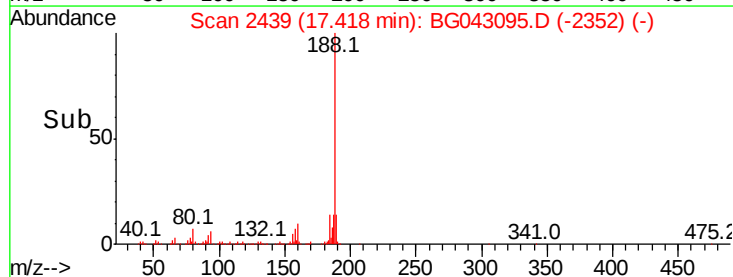
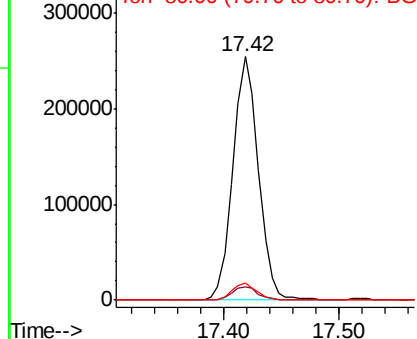


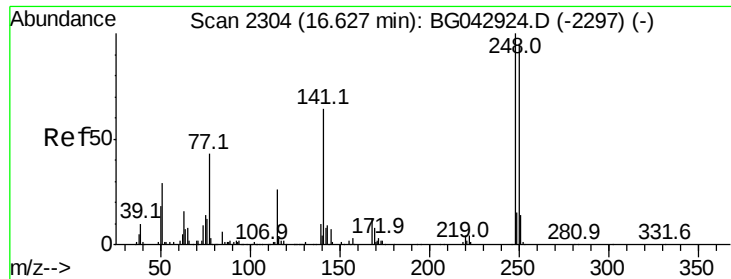
Abundance

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

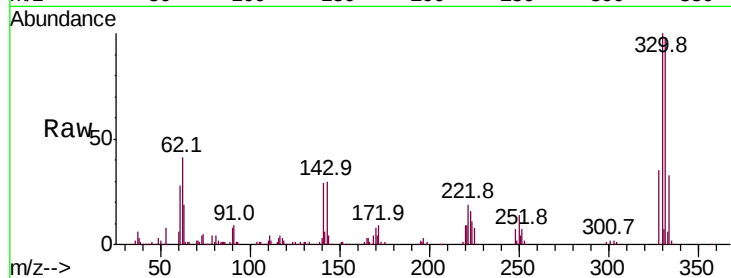




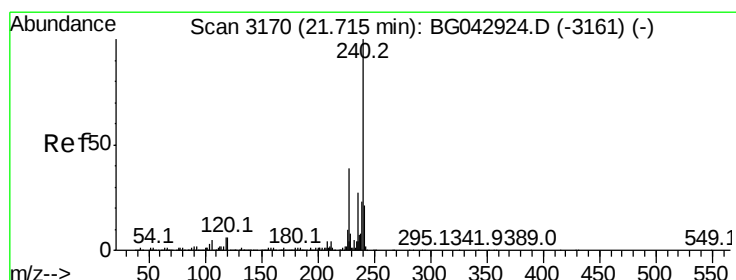
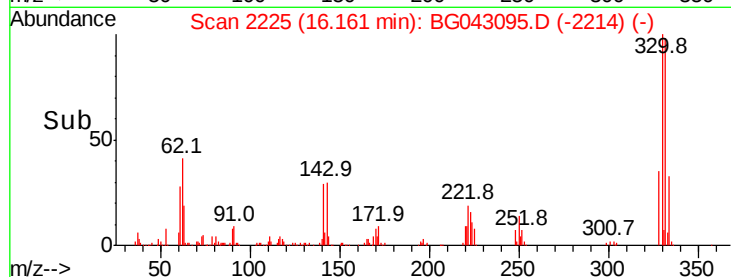
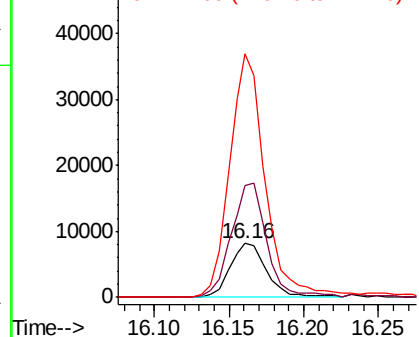
#67
 4-Bromophenyl-phenylether
 Concen: 2.847 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13927
 Ion Ratio Lower Upper
 248 100
 250 207.9 75.8 113.8#
 141 451.1 51.1 76.7#

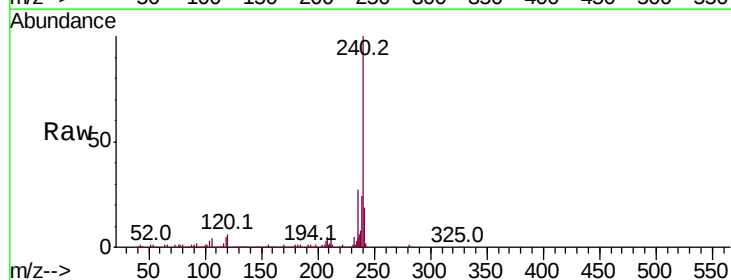


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

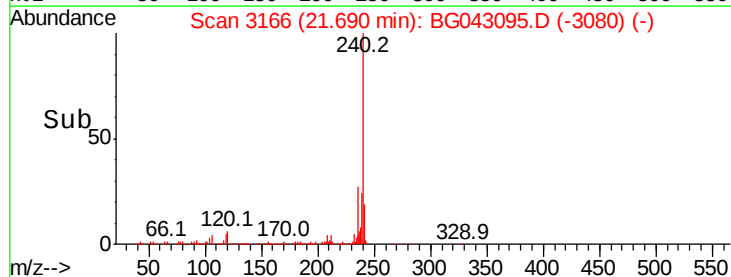
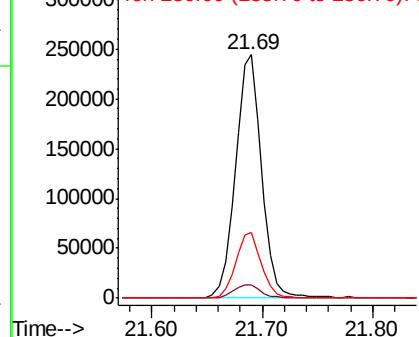


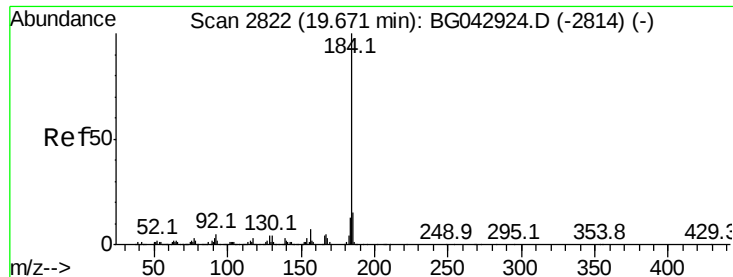
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.03 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Tgt Ion:240 Resp: 403281
 Ion Ratio Lower Upper
 240 100
 120 5.6 4.8 7.2
 236 27.2 21.4 32.0



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: 2.589 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

Instrument :

BNA_G

ClientSampleId :

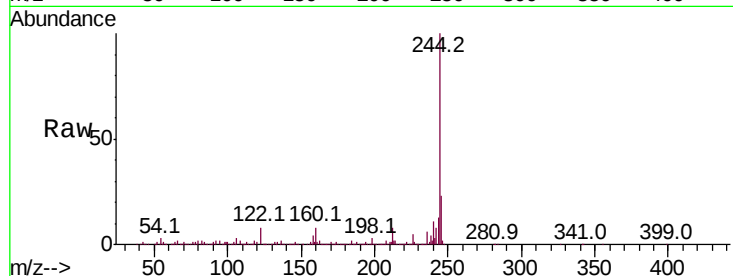
Tot Ion:184 Resp: 26147

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.8

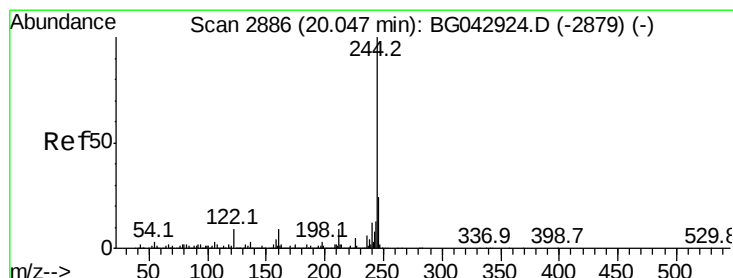
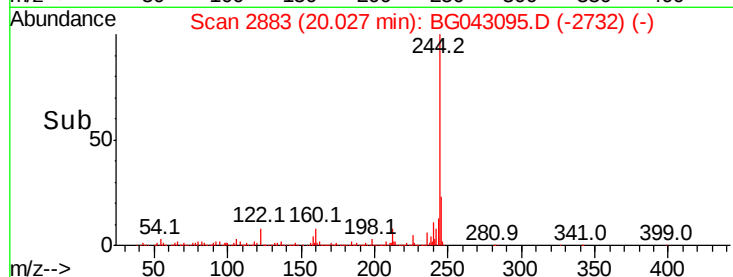
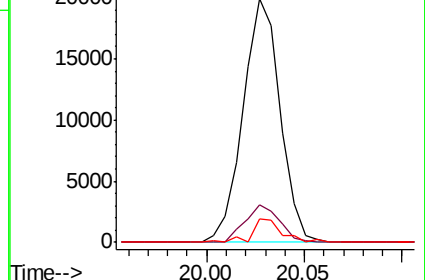
183 9.6 10.1 15.1#



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: 89.917 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043095.D

Acq: 8 Oct 2019 21:12

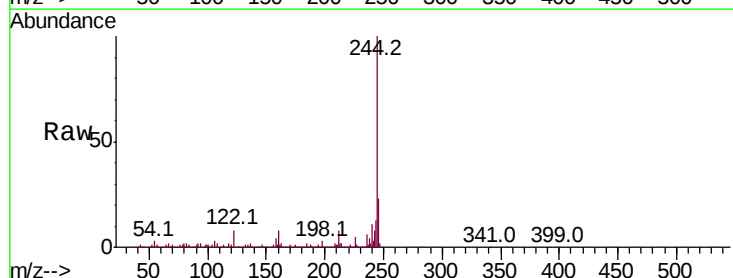
Tgt Ion:244 Resp: 1701726

Ion Ratio Lower Upper

244 100

212 8.1 7.4 11.0

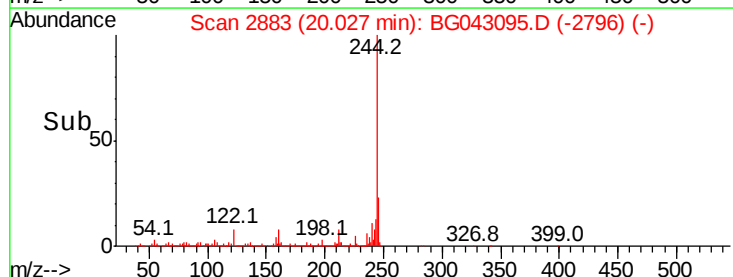
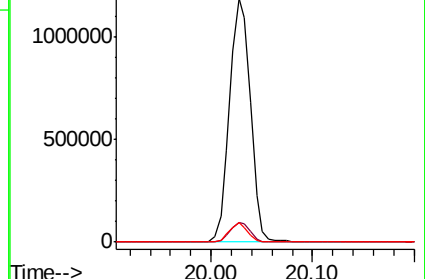
122 7.8 7.0 10.4

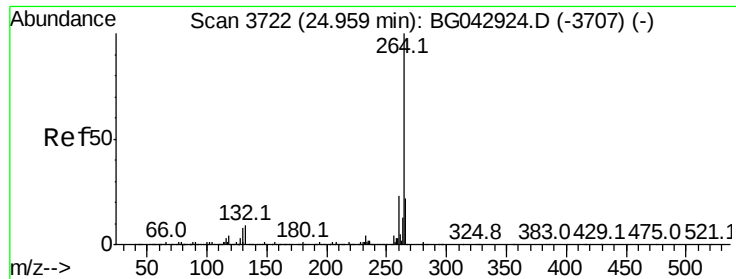


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

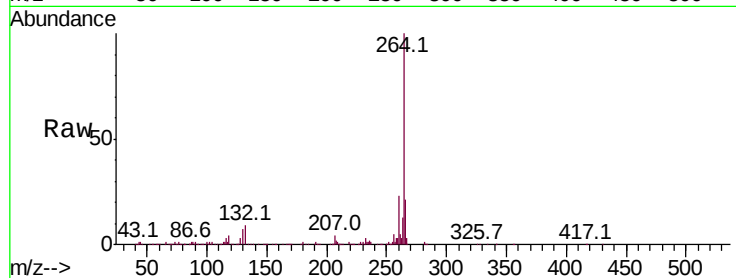




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3713
 Delta R.T. -0.05 min
 Lab File: BG043095.D
 Acq: 8 Oct 2019 21:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.4	17.7	26.5



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

