

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043234.D
 Acq On : 16 Oct 2019 3:01
 Operator : JU
 Sample : PB123985BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 04:13:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

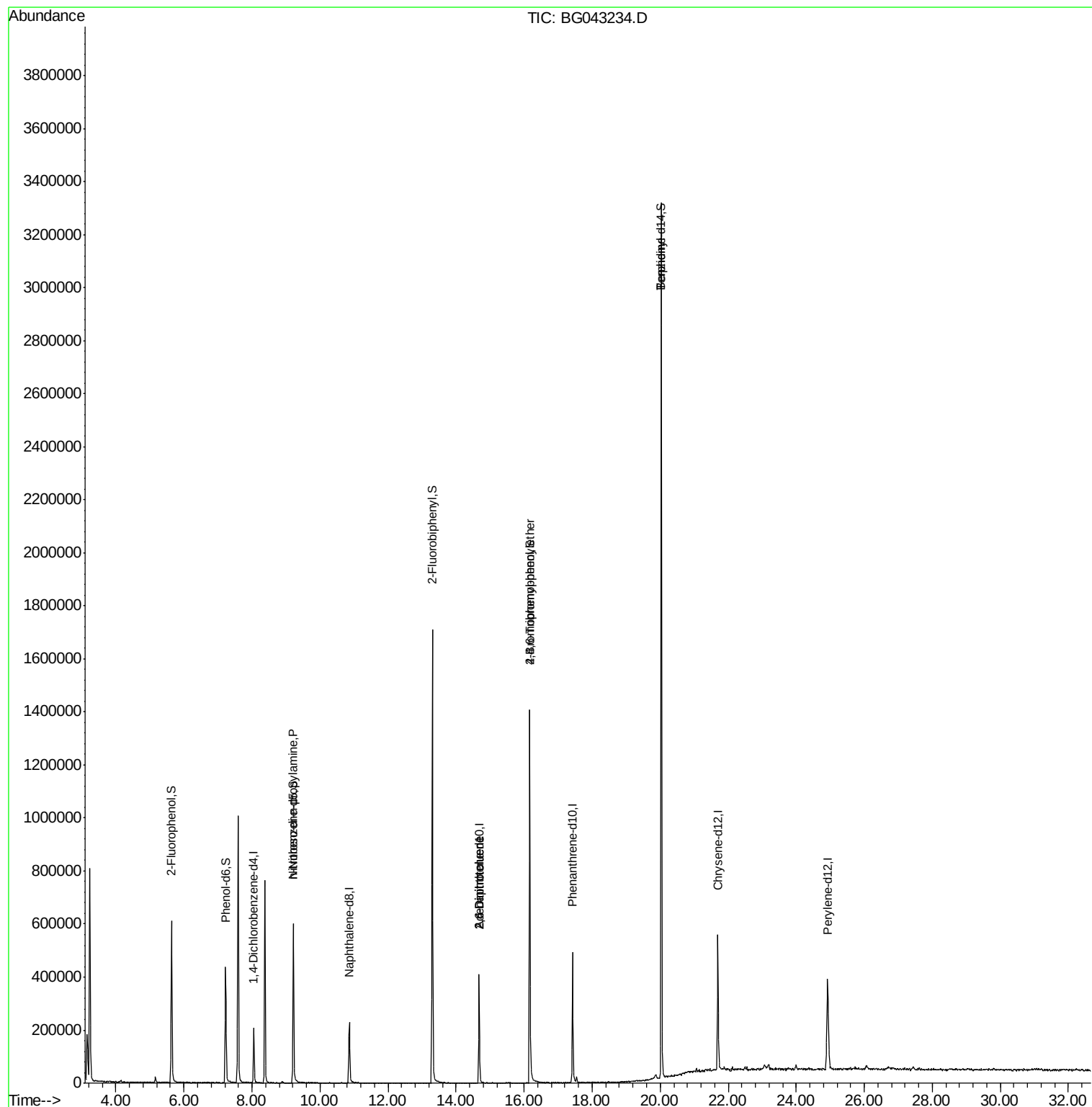
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	62386	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	236348	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	162734	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	342658	20.00	ng	0.00
76) Chrysene-d12	21.70	240	361481	20.00	ng	0.00
87) Perylene-d12	24.93	264	432518	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	298418	85.37	ng	0.00
7) Phenol-d6	7.22	99	288990	57.41	ng	0.00
23) Nitrobenzene-d5	9.22	82	403388	82.96	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	362890	129.68	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1041908	92.82	ng	0.00
79) Terphenyl-d14	20.03	244	1717163	101.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	57200	17.304	ng	# 70
51) 2,6-Dinitrotoluene	14.68	165	20989	8.083	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	20988	5.520	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	23471	5.457	ng	# 1
77) Benzidine	20.03	184	25563	2.824	ng	95

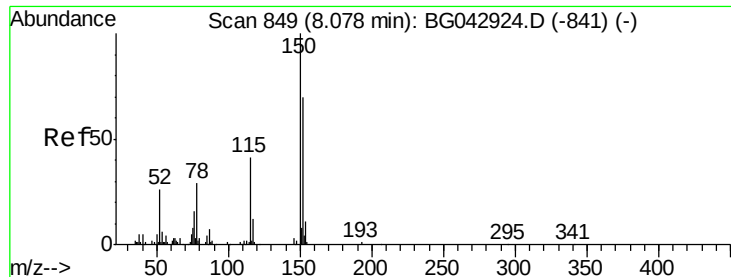
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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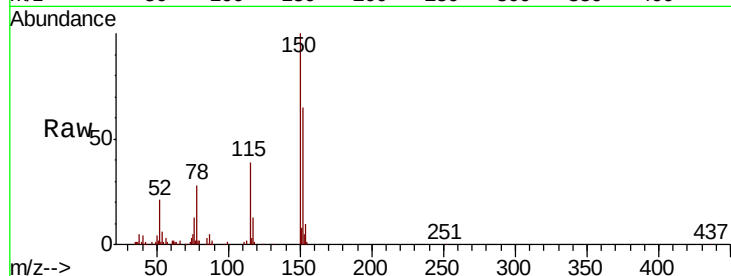


#1

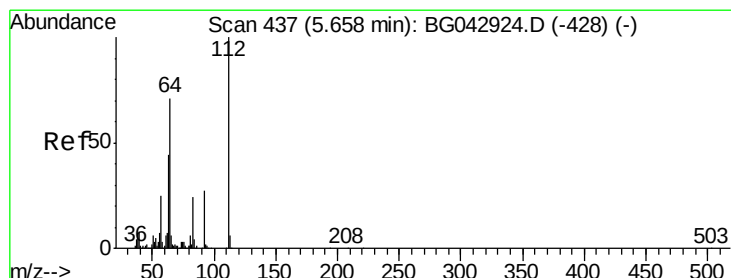
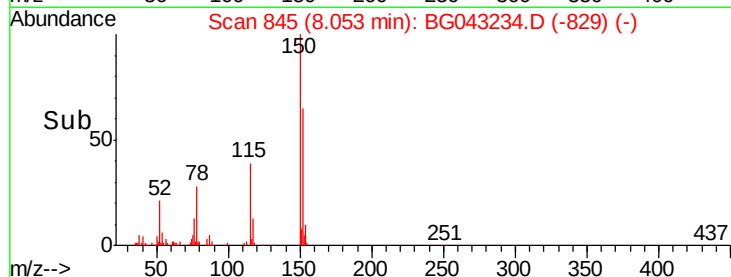
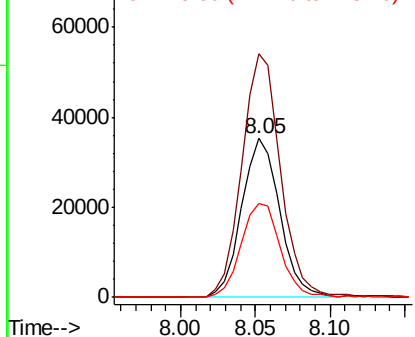
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	115.0	172.4
115	59.2	47.0	70.6



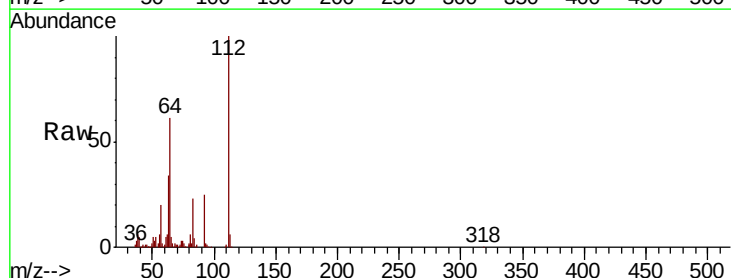
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



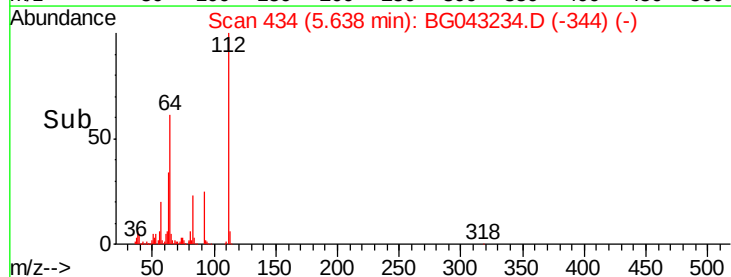
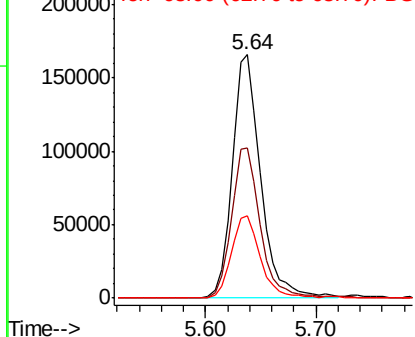
#5

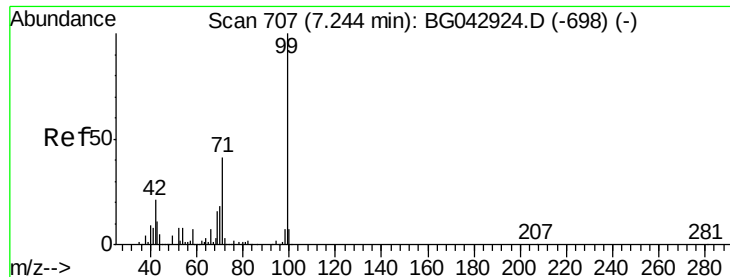
2-Fluorophenol
Concen: 85.366 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.00 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	56.6	84.8
63	34.0	35.1	52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 57.407 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

Instrument :

BNA_G

ClientSampleId :

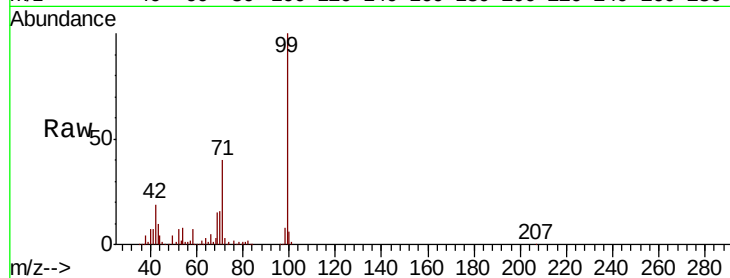
Tot Ion: 99 Resp: 288990

Ion Ratio Lower Upper

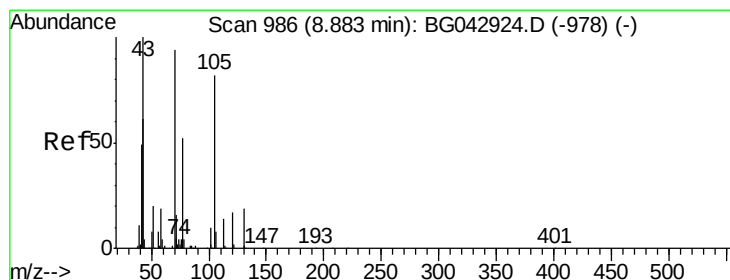
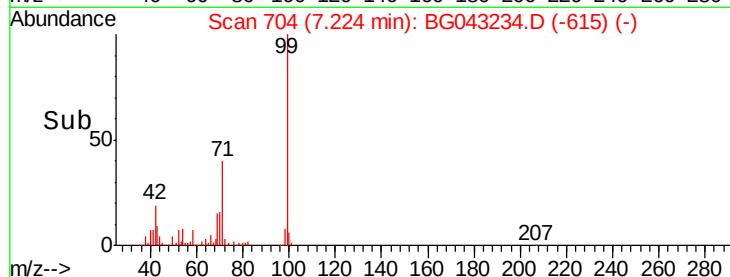
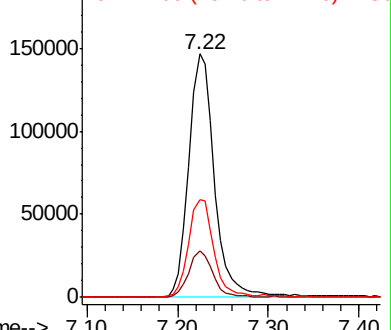
99 100

42 18.9 17.2 25.8

71 40.1 33.1 49.7



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: 17.304 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.36 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

Tgt Ion: 70 Resp: 57200

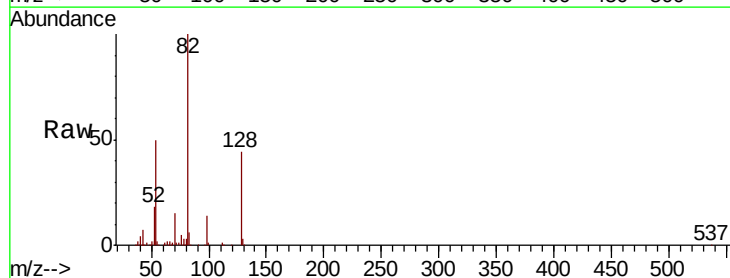
Ion Ratio Lower Upper

70 100

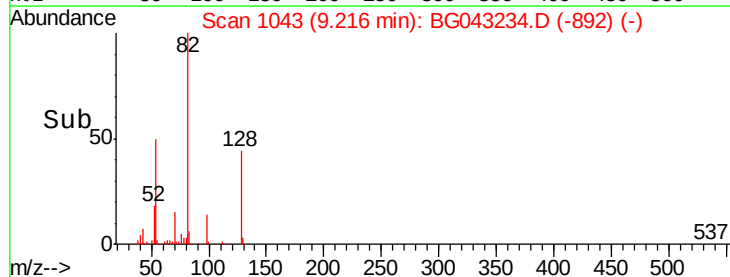
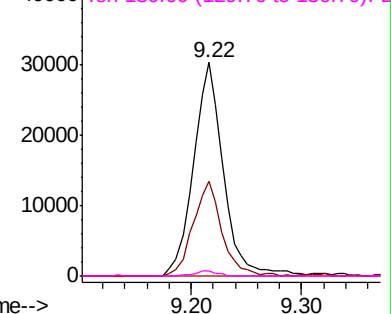
42 44.1 52.6 79.0#

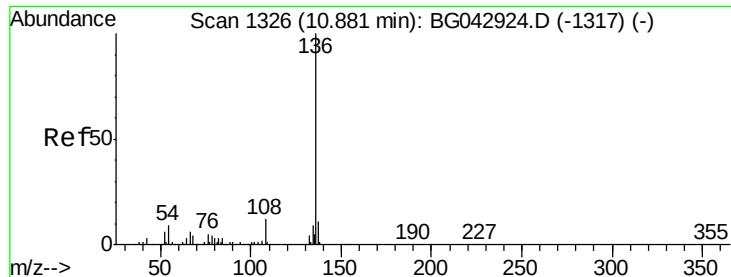
101 0.0 8.7 13.1#

130 2.3 15.8 23.8#



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: 10.86 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 236348

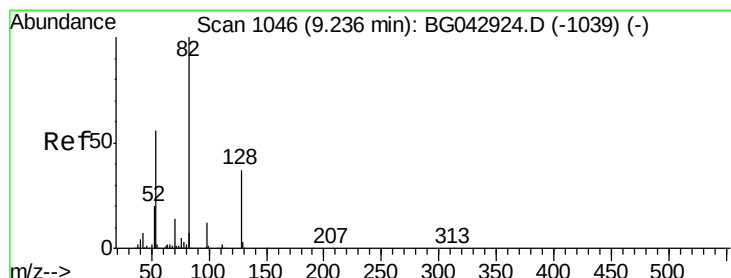
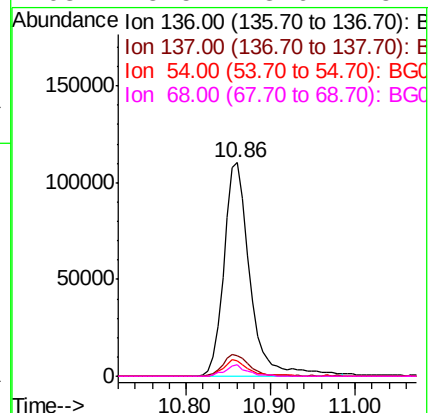
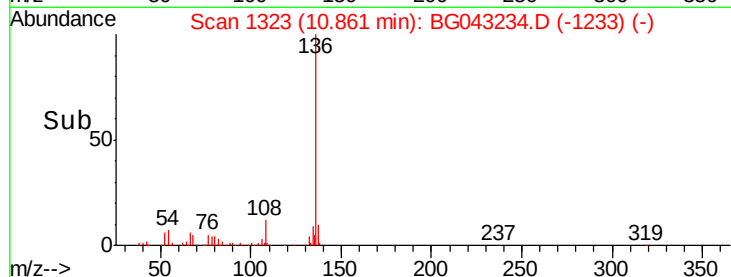
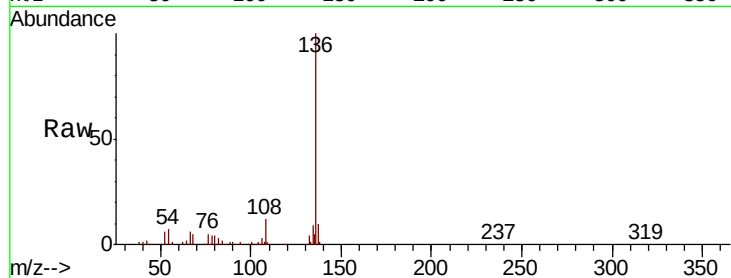
Ion Ratio Lower Upper

136 100

137 9.9 8.5 12.7

54 7.5 7.4 11.2

68 5.5 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 82.957 ng

RT: 9.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

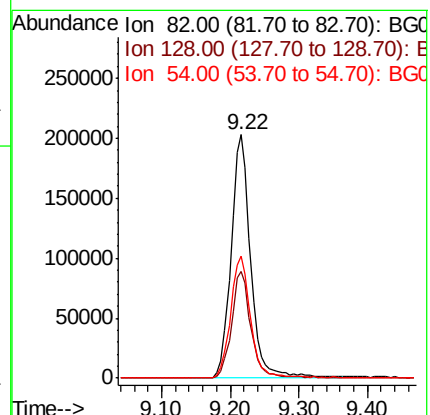
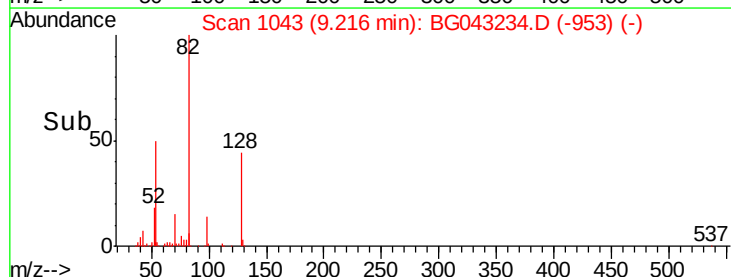
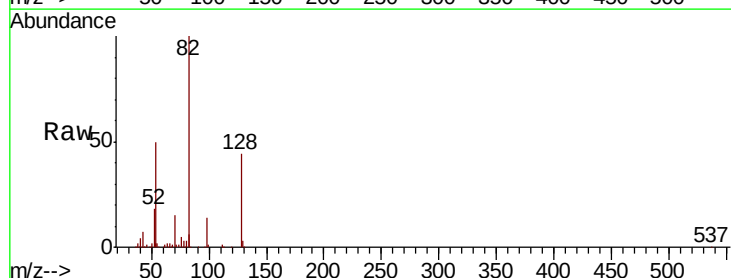
Tgt Ion: 82 Resp: 403388

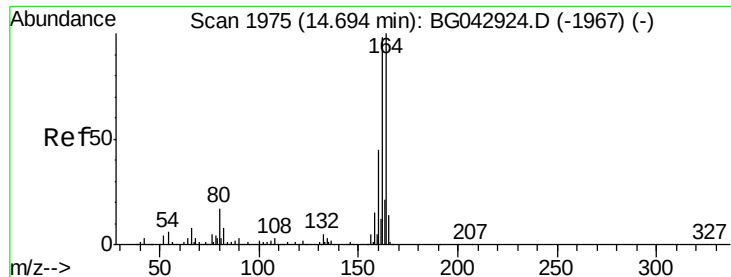
Ion Ratio Lower Upper

82 100

128 43.7 29.5 44.3

54 50.0 44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

Instrument :

BNA_G

ClientSampleId :

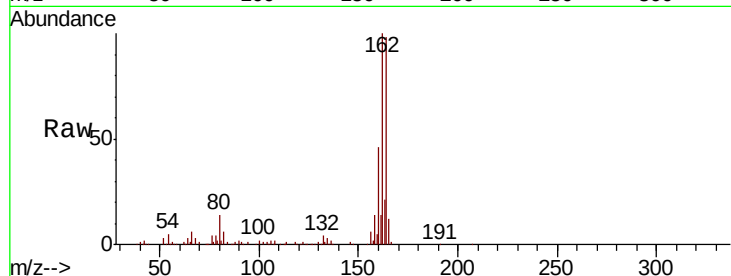
Tot Ion:164 Resp: 162734

Ion Ratio Lower Upper

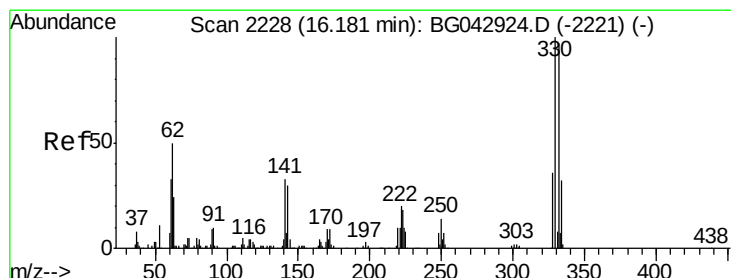
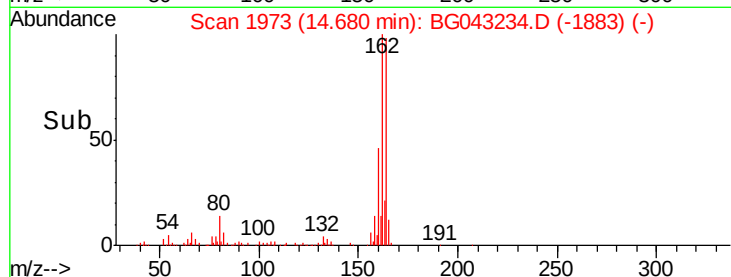
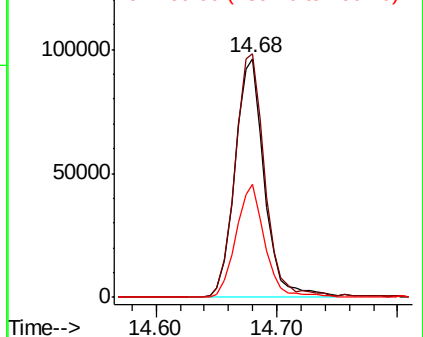
164 100

162 101.9 78.5 117.7

160 47.3 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: 129.682 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

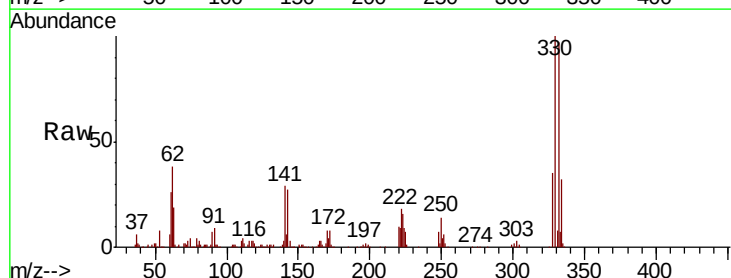
Tgt Ion:330 Resp: 362890

Ion Ratio Lower Upper

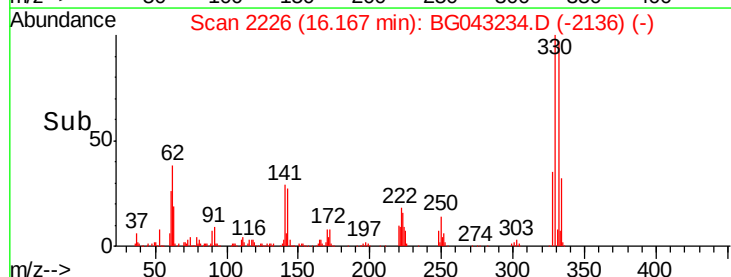
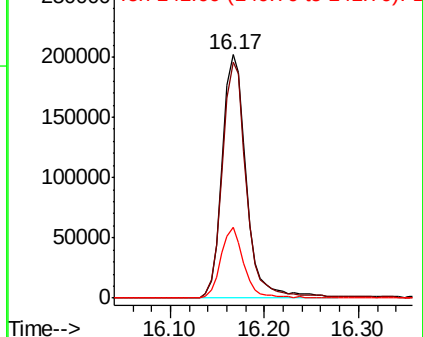
330 100

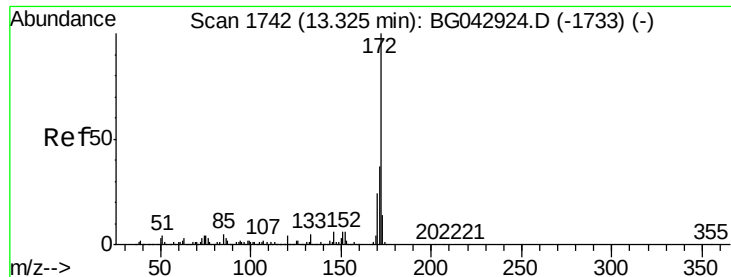
332 97.1 78.2 117.2

141 27.8 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

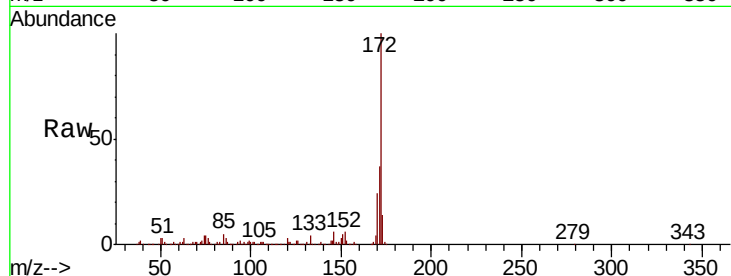




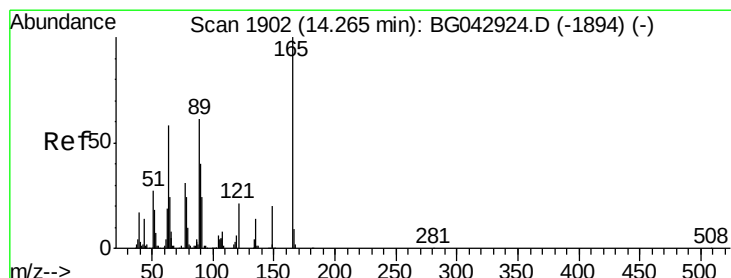
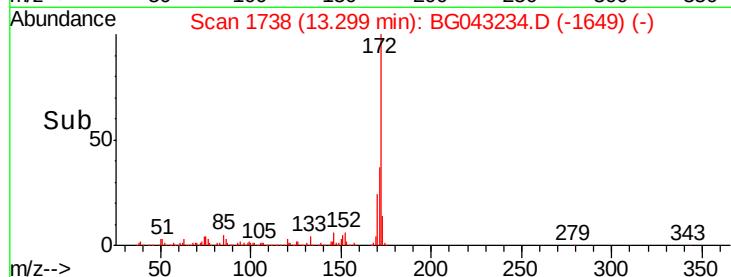
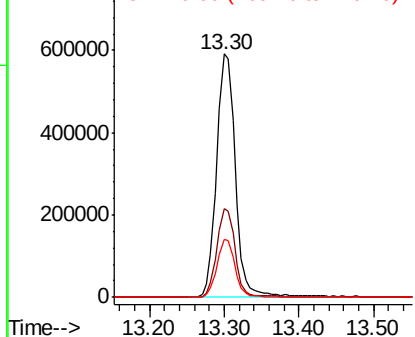
#45
2-Fluorobiphenyl
Concen: 92.817 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1041908
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.0 19.6 29.4

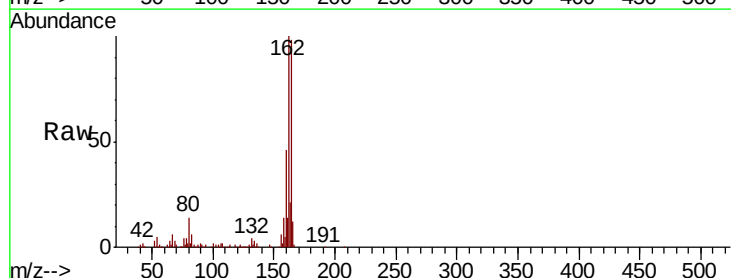


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

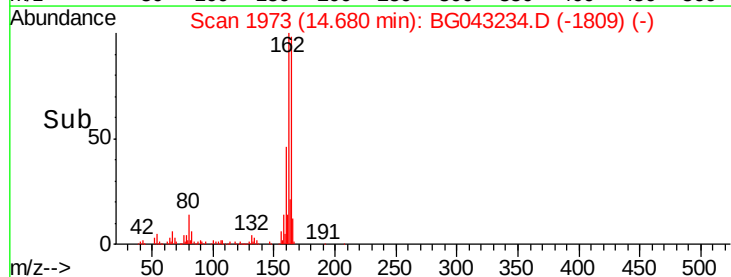
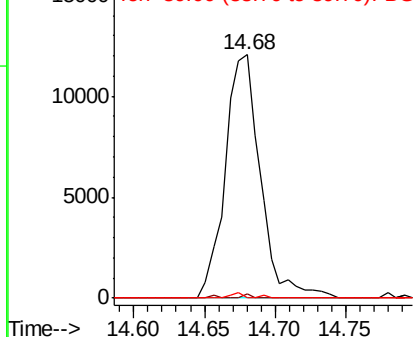


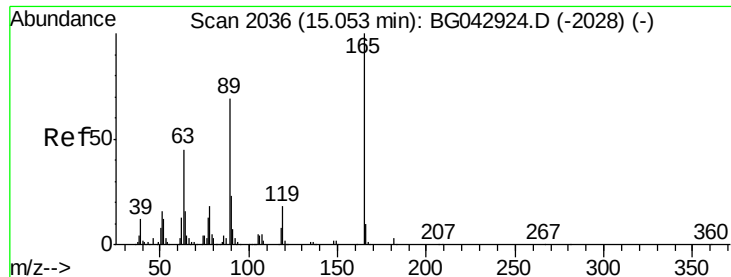
#51
2,6-Dinitrotoluene
Concen: 8.083 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.43 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Tgt Ion:165 Resp: 20989
Ion Ratio Lower Upper
165 100
63 1.9 50.3 75.5#
89 0.0 48.9 73.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG





#57

2,4-Dinitrotoluene

Concen: 5.520 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20988

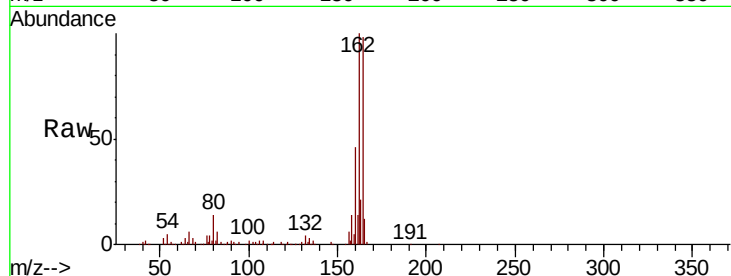
Ion Ratio Lower Upper

165 100

63 1.9 36.5 54.7#

89 0.0 55.5 83.3#

182 0.0 2.4 3.6#

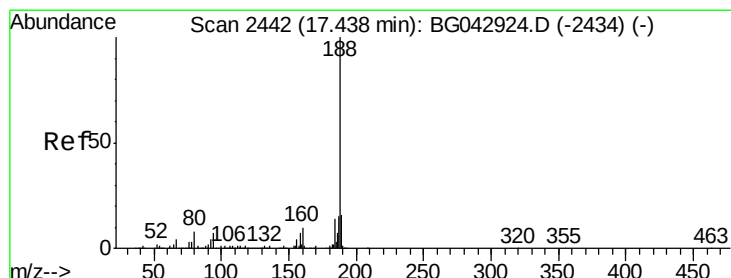
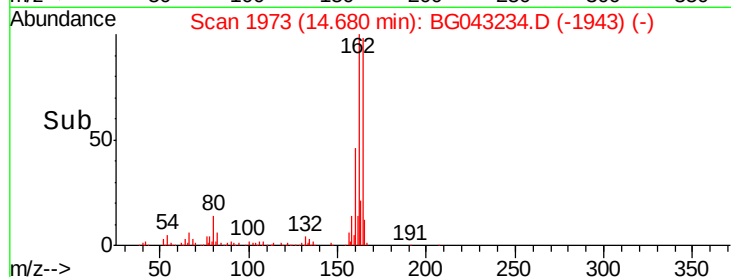
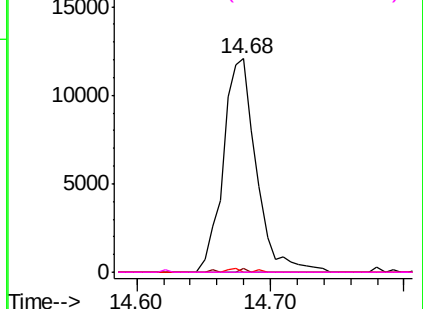


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2440

Delta R.T. 0.01 min

Lab File: BG043234.D

Acq: 16 Oct 2019 3:01

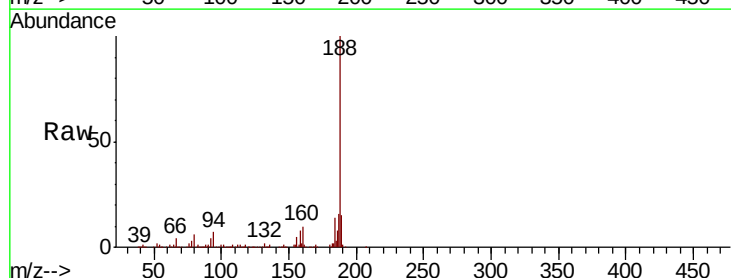
Tgt Ion:188 Resp: 342658

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

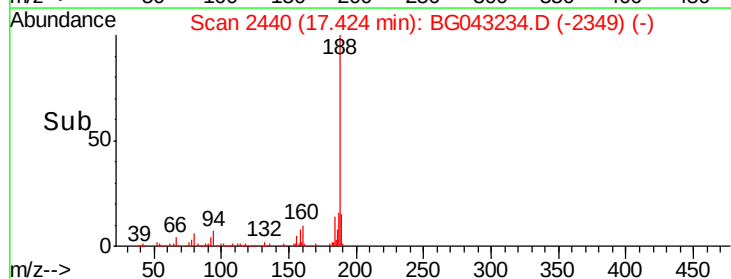
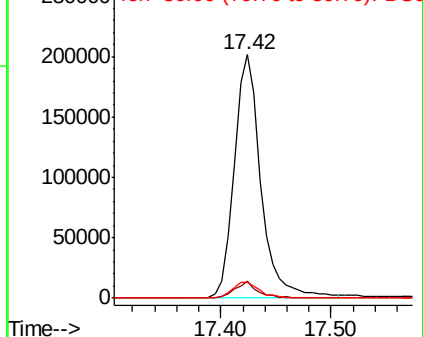
80 6.5 6.5 9.7#

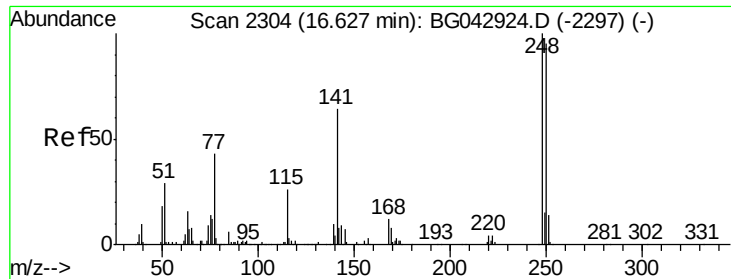


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

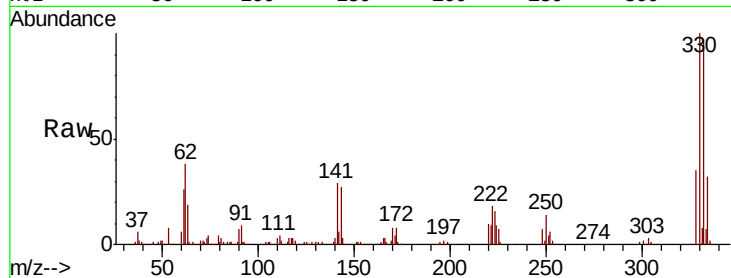




#67
 4-Bromophenyl-phenylether
 Concen: 5.457 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG043234.D
 Acq: 16 Oct 2019 3:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.7	75.8	113.8#
141	416.4	51.1	76.7#

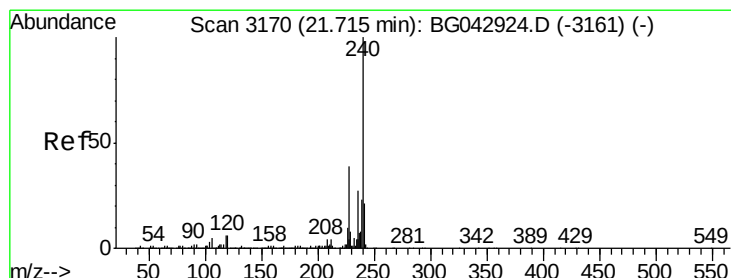
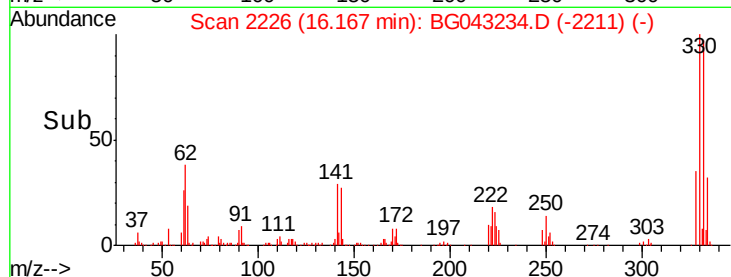
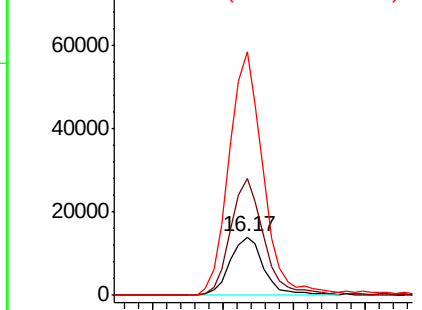


Abundance

Ion 248.00 (247.70 to 248.70): E

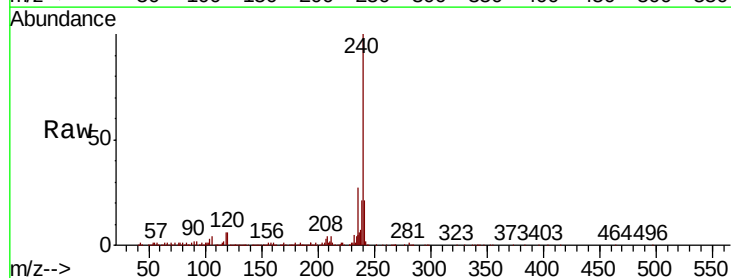
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.01 min
 Lab File: BG043234.D
 Acq: 16 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.8	7.2
236	26.8	21.4	32.0

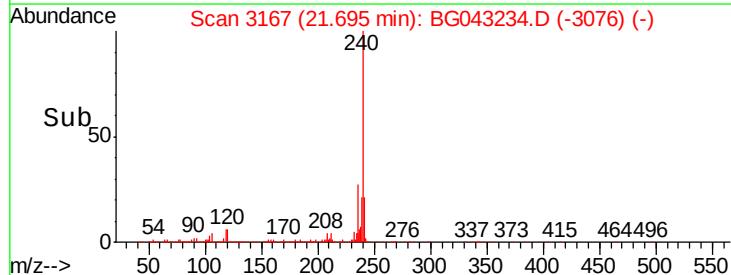
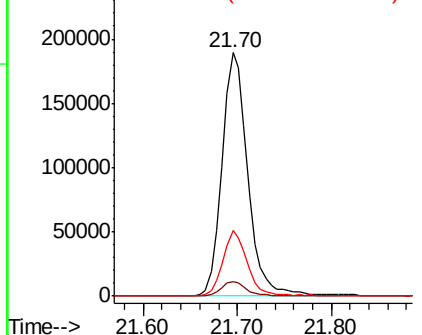


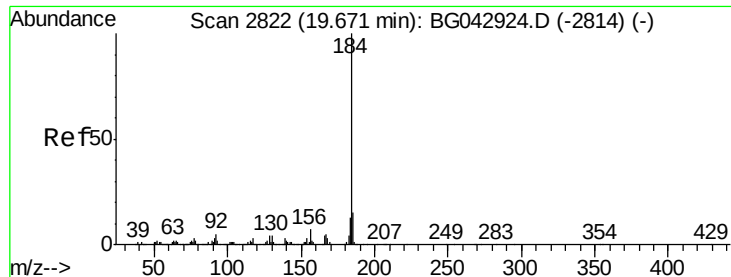
Abundance

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

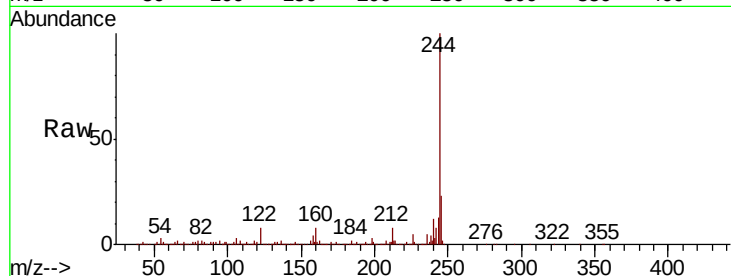




#77
Benzidine
Concen: 2.824 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
184	100		
185	17.5	11.8	17.8
183	11.2	10.1	15.1

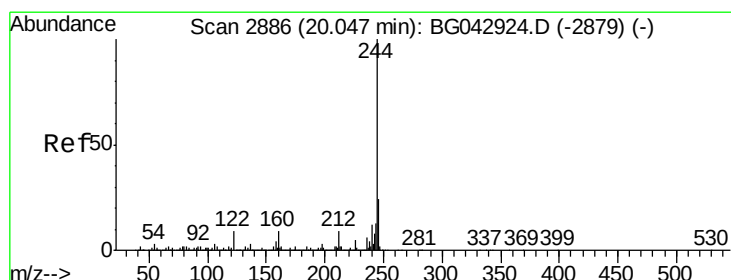
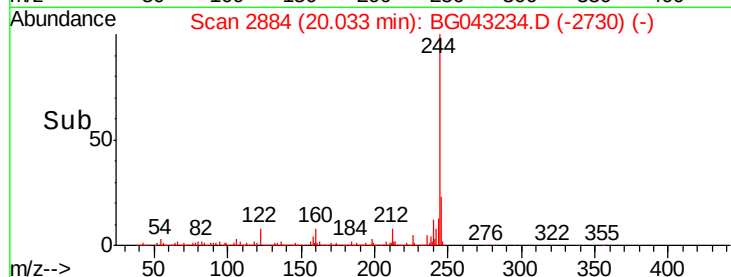
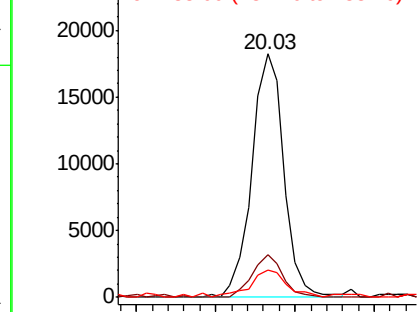


Abundance

Ion 184.00 (183.70 to 184.70): E

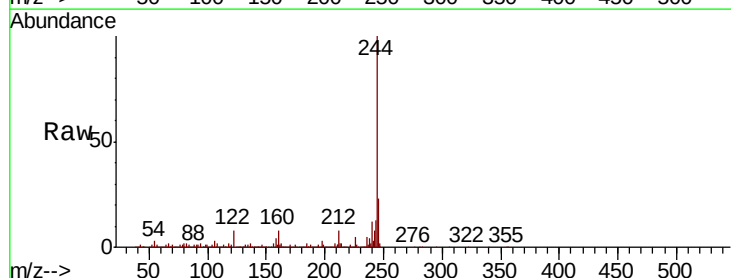
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79
Terphenyl-d14
Concen: 101.224 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.01 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.0
122	7.8	7.0	10.4

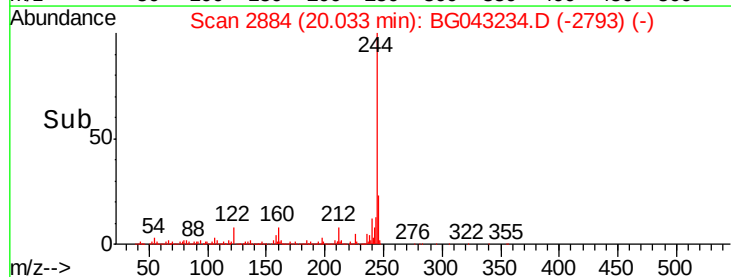
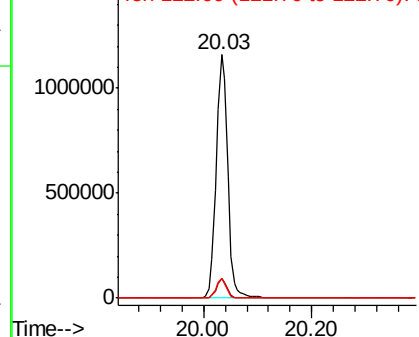


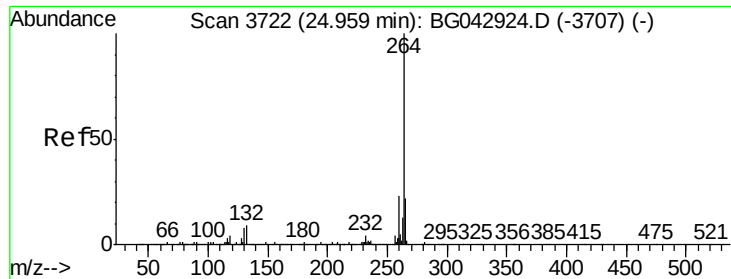
Abundance

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

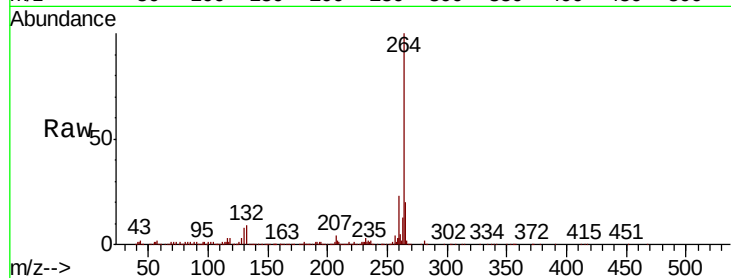




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. 0.02 min
Lab File: BG043234.D
Acq: 16 Oct 2019 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	432518
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	20.5	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

