

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042354.D
 Acq On : 20 Aug 2019 11:57
 Operator : HP/JU
 Sample : k4388-30
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:21:06 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

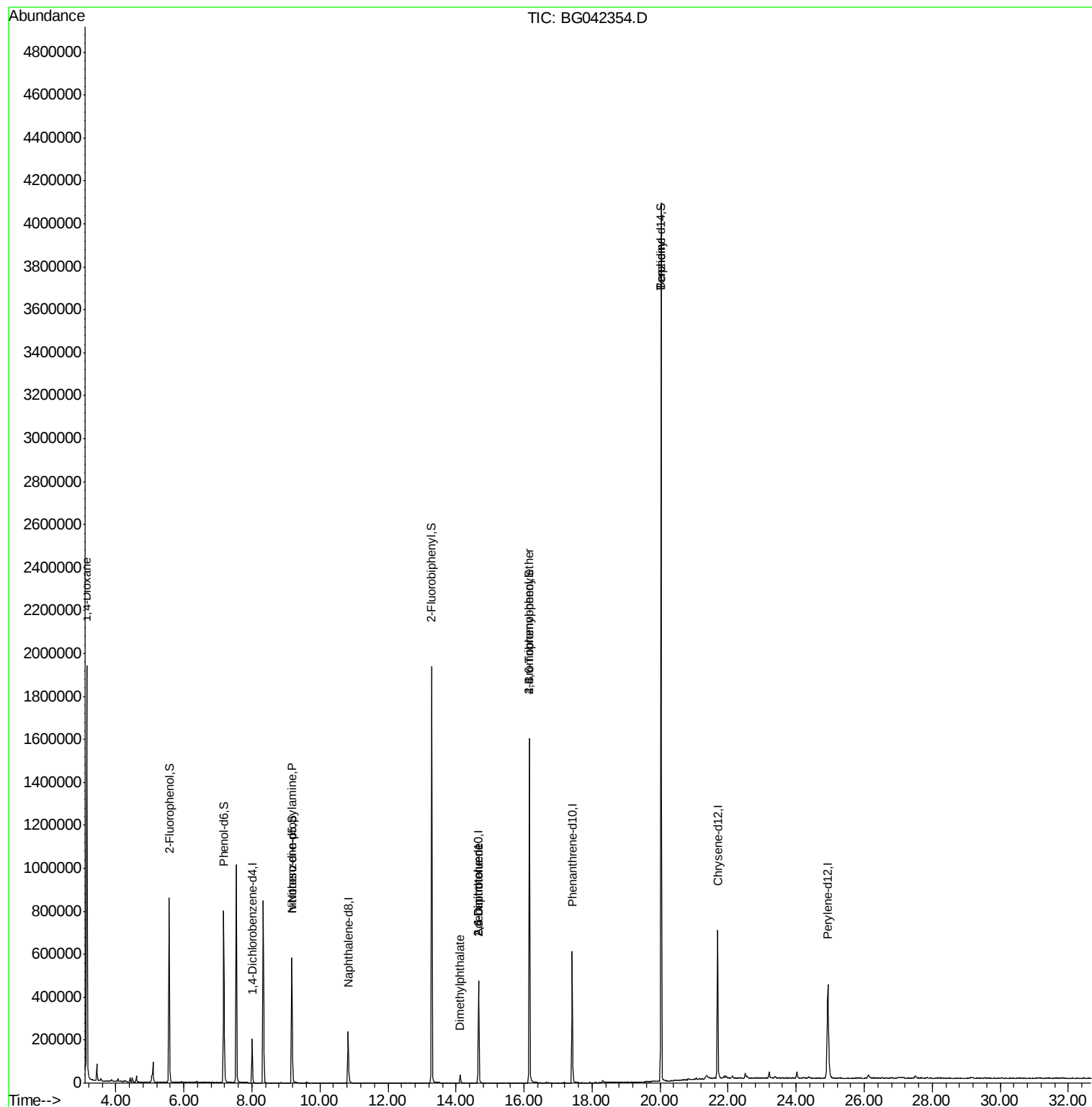
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	68583	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	267017	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	192443	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	436575	20.00	ng	0.00
76) Chrysene-d12	21.69	240	449218	20.00	ng	0.00
87) Perylene-d12	24.93	264	512671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	445840	131.71	ng	0.00
7) Phenol-d6	7.17	99	549065	119.43	ng	0.00
23) Nitrobenzene-d5	9.17	82	382297	100.70	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	389938	148.77	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1167221	102.63	ng	0.00
79) Terphenyl-d14	20.03	244	1963603	95.74	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	21676	14.849	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	48637	16.448	ng	# 72
50) Dimethylphthalate	14.12	163	43620	3.190	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	25294	7.903	ng	# 39
57) 2,4-Dinitrotoluene	14.66	165	25294	5.653	ng	# 37
67) 4-Bromophenyl-phenylether	16.16	248	27686	4.983	ng	# 1
77) Benzidine	20.03	184	27723	2.328	ng	# 93

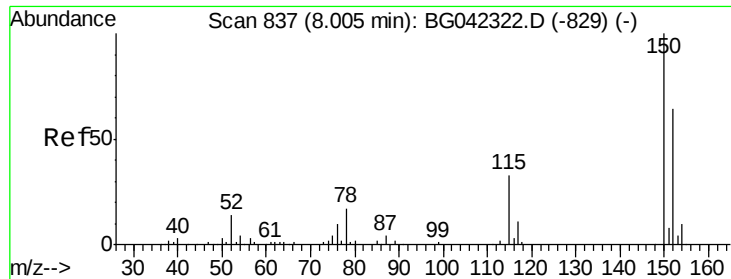
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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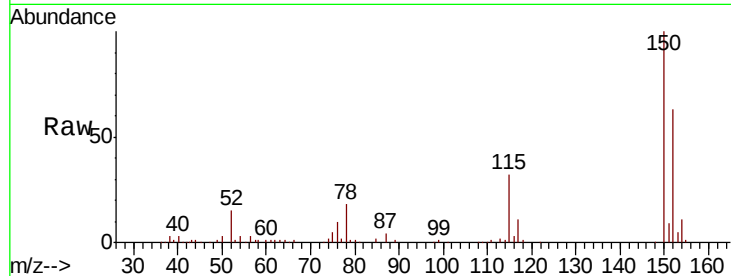


#1

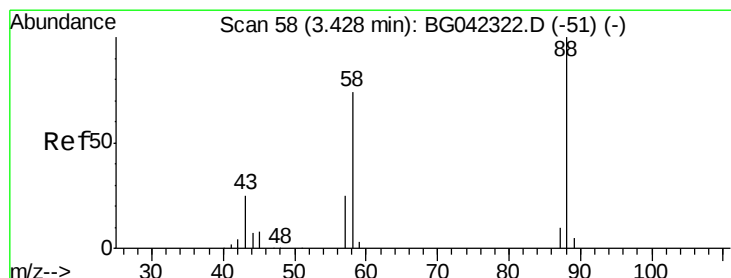
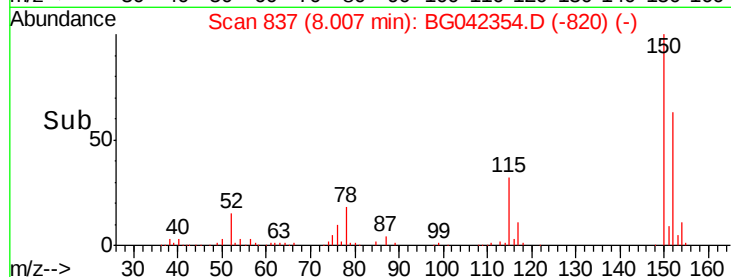
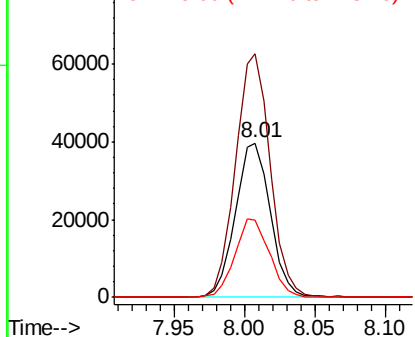
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042354.D
Acq: 20 Aug 2019 11:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 68583
Ion Ratio Lower Upper
152 100
150 157.9 124.3 186.5
115 50.3 40.5 60.7



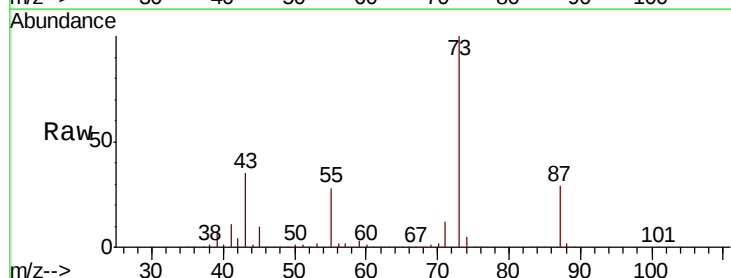
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



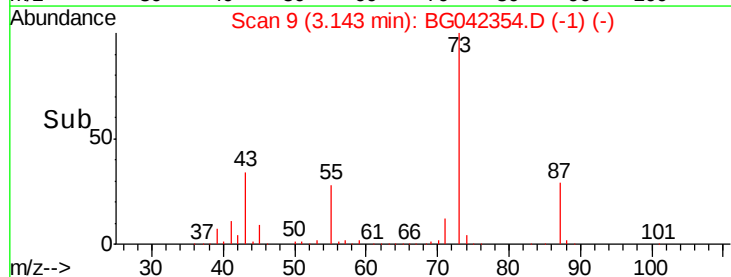
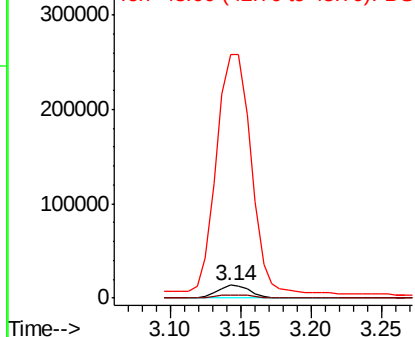
#2

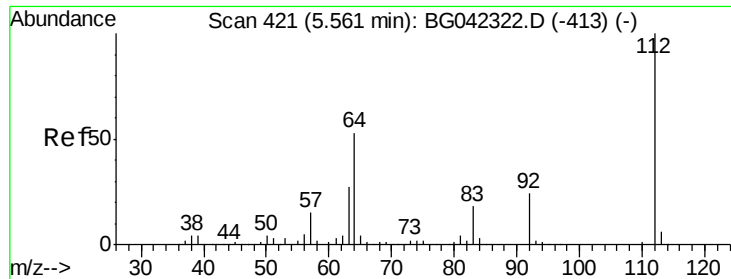
1,4-Dioxane
Concen: 14.849 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.29 min
Lab File: BG042354.D
Acq: 20 Aug 2019 11:57

Tgt Ion: 88 Resp: 21676
Ion Ratio Lower Upper
88 100
58 27.4 58.6 88.0#
43 2047.5 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: 131.711 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

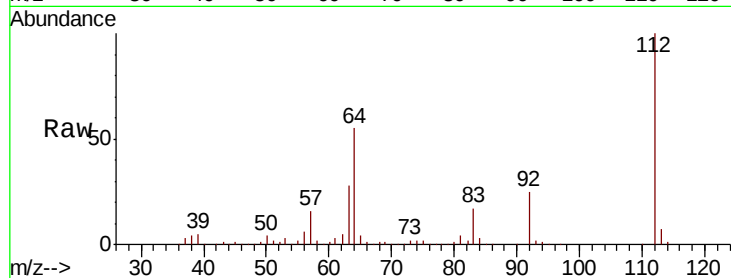
Tot Ion:112 Resp: 445840

Ion Ratio Lower Upper

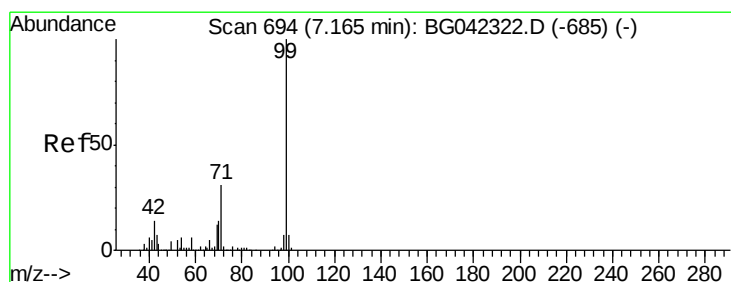
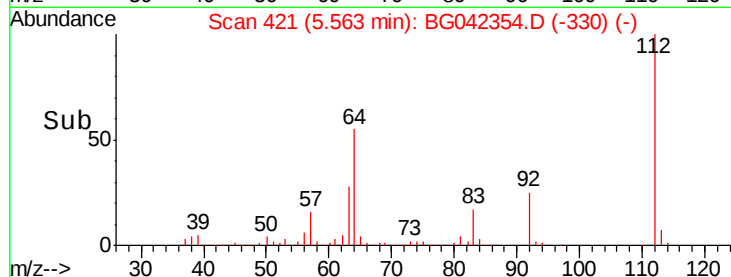
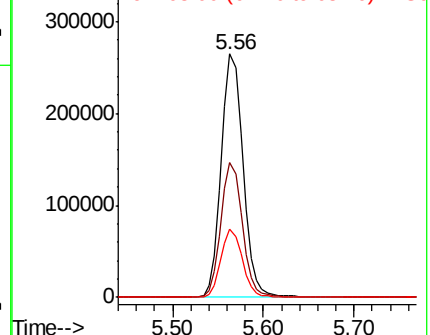
112 100

64 55.3 42.5 63.7

63 27.9 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: 119.434 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

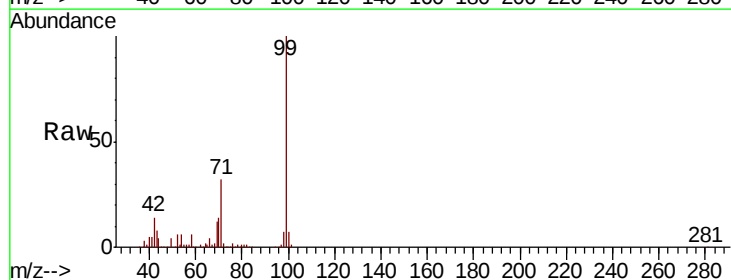
Tgt Ion: 99 Resp: 549065

Ion Ratio Lower Upper

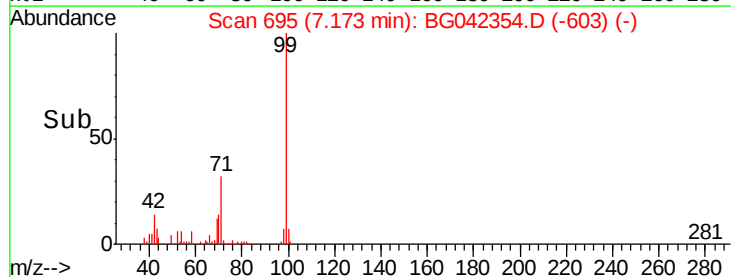
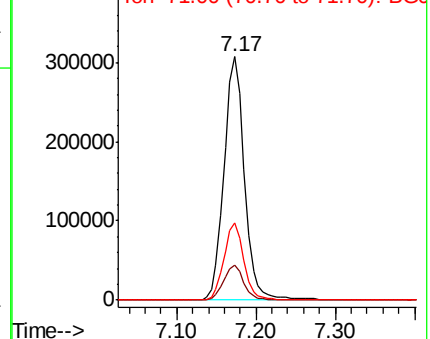
99 100

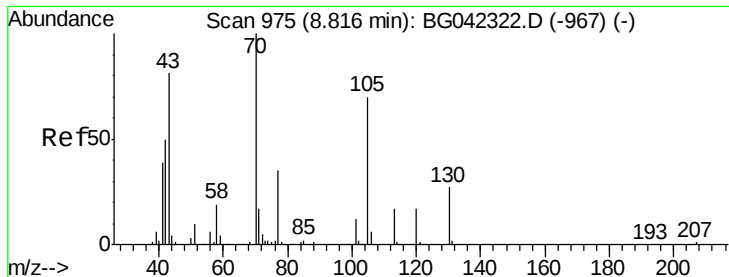
42 14.4 11.4 17.0

71 31.9 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: 16.448 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 48637

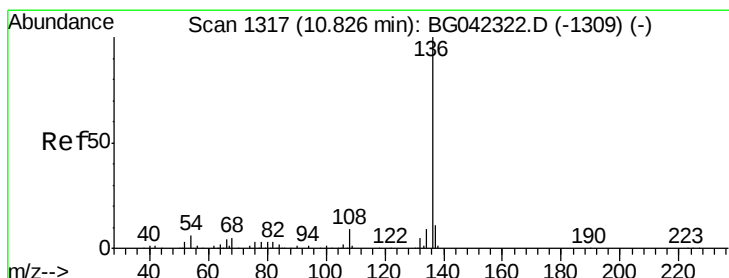
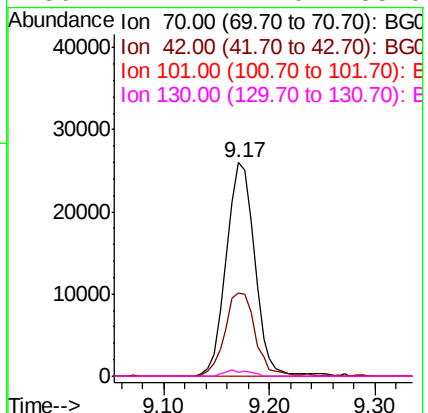
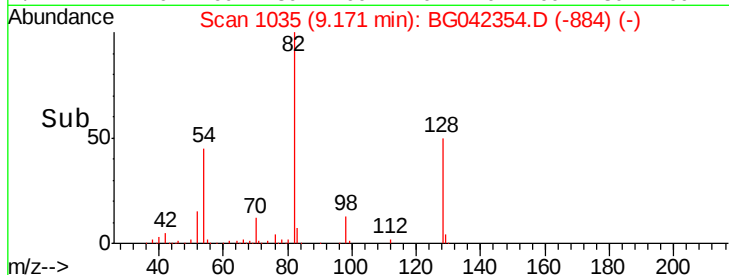
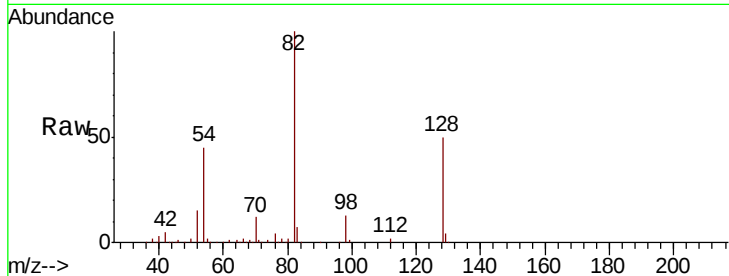
Ion Ratio Lower Upper

70 100

42 39.0 40.5 60.7#

101 0.0 9.3 13.9#

130 2.1 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: BG042354.D

Acq: 20 Aug 2019 11:57

Tgt Ion: 136 Resp: 267017

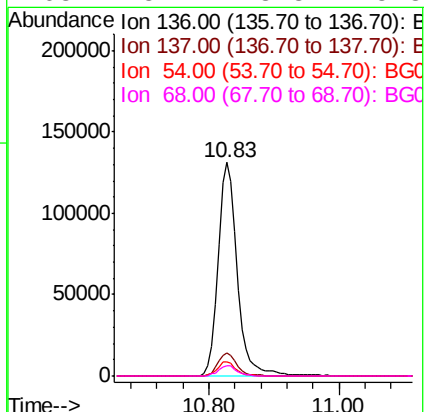
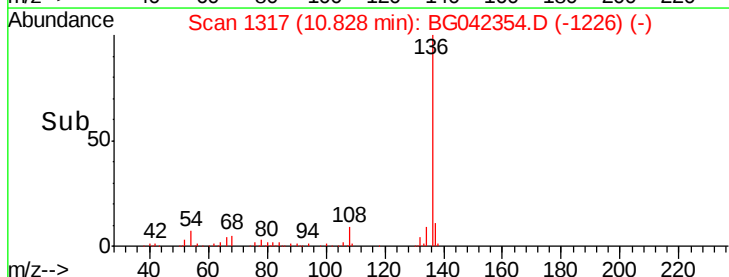
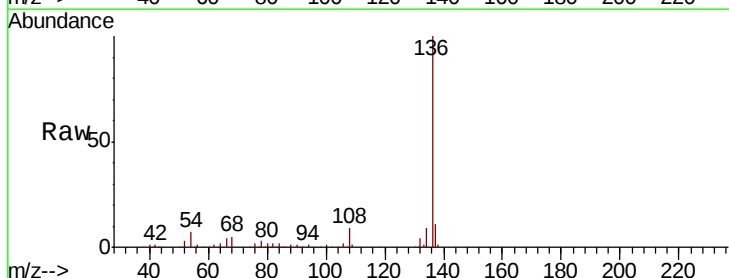
Ion Ratio Lower Upper

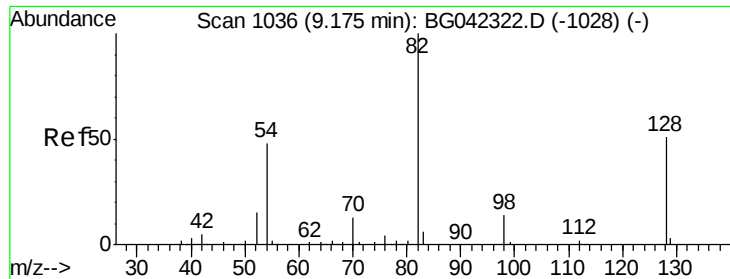
136 100

137 10.6 8.4 12.6

54 6.9 5.0 7.4

68 5.1 3.8 5.8

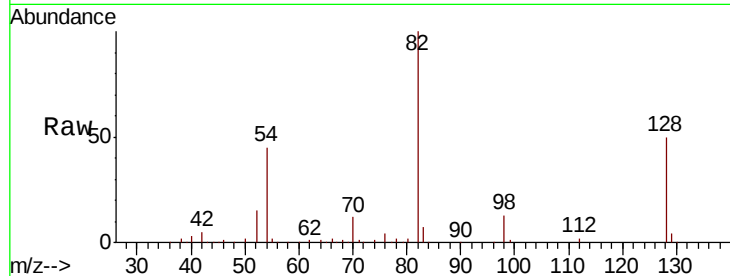




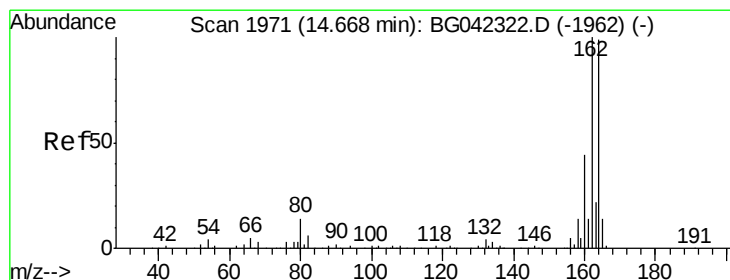
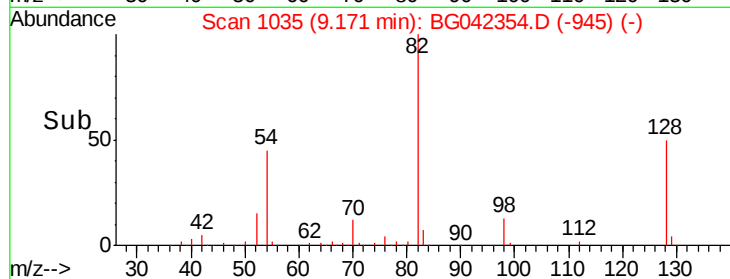
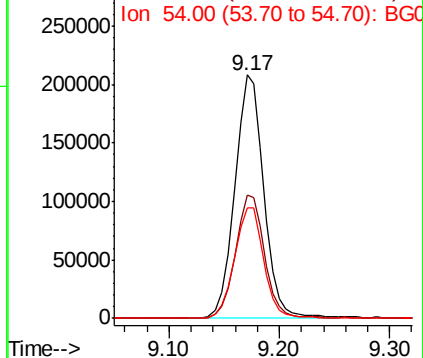
#23
Nitrobenzene-d5
Concen: 100.698 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042354.D
Acq: 20 Aug 2019 11:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 382297
Ion Ratio Lower Upper
82 100
128 50.4 41.0 61.4
54 45.4 38.0 57.0

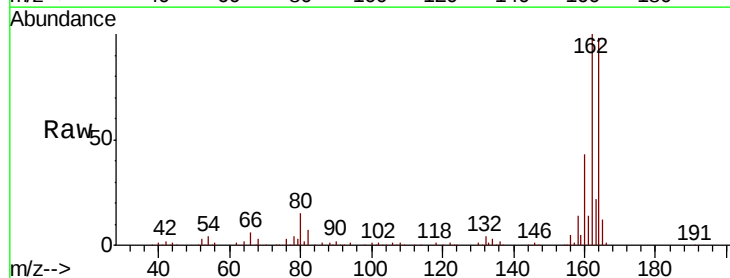


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

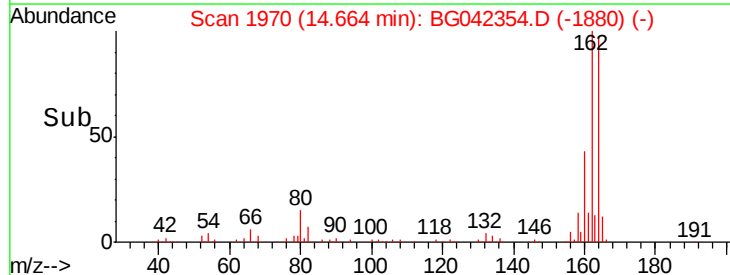
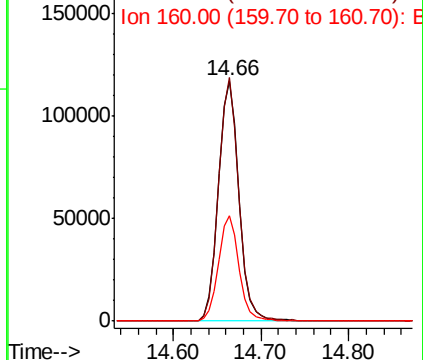


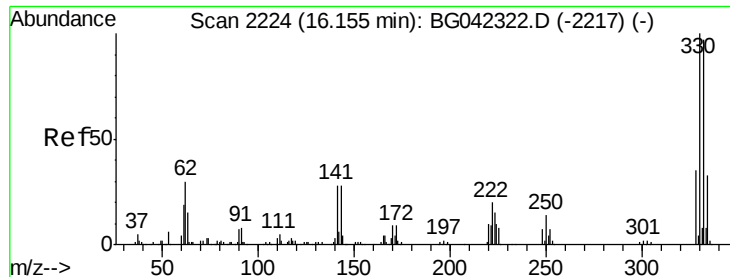
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042354.D
Acq: 20 Aug 2019 11:57

Tgt Ion:164 Resp: 192443
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 44.1 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: 148.773 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

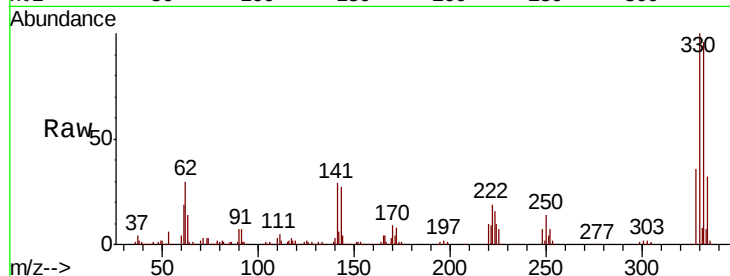
Tot Ion:330 Resp: 389938

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

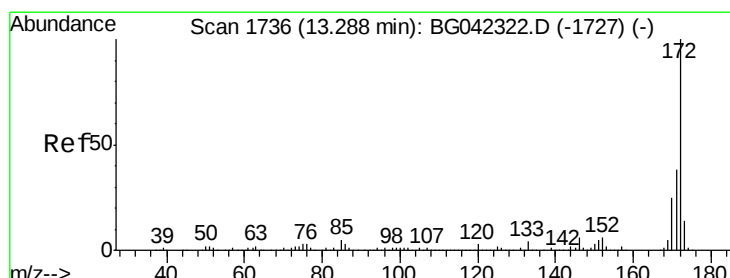
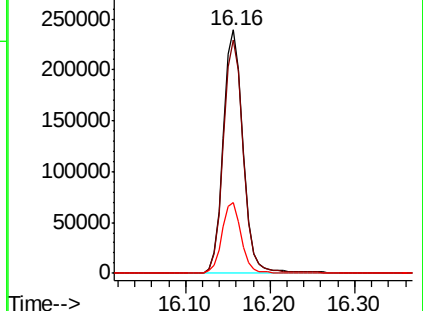
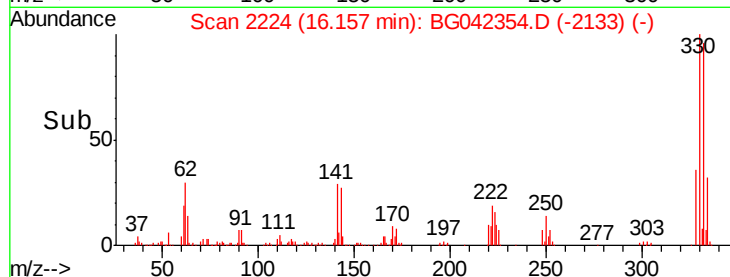
141 28.6 21.8 32.6



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: 102.634 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

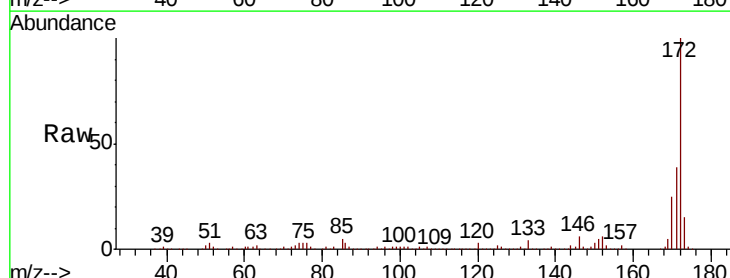
Tgt Ion:172 Resp: 1167221

Ion Ratio Lower Upper

172 100

171 39.2 30.3 45.5

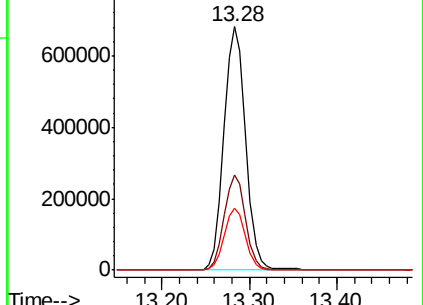
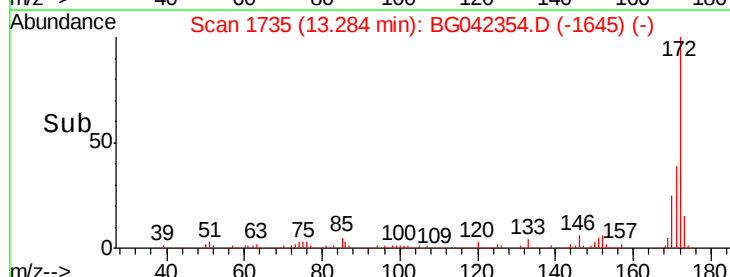
170 25.4 20.0 30.0

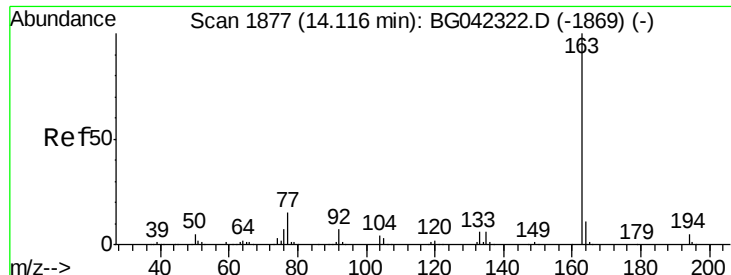


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.190 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

Instrument :

BNA_G

ClientSampled :

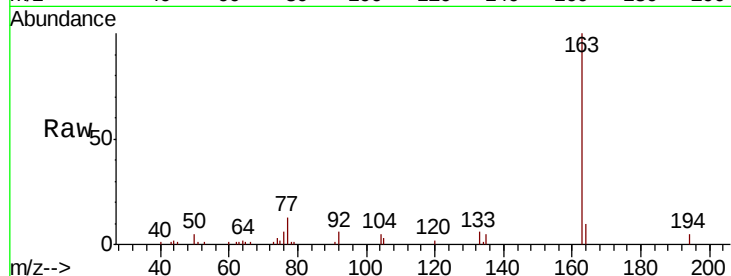
Tot Ion:163 Resp: 43620

Ion Ratio Lower Upper

163 100

194 5.2 4.2 6.2

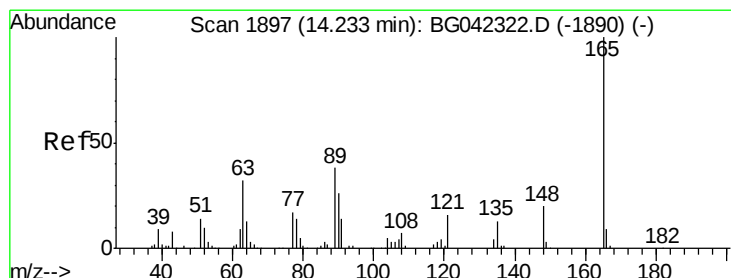
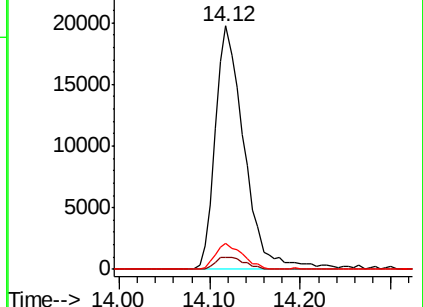
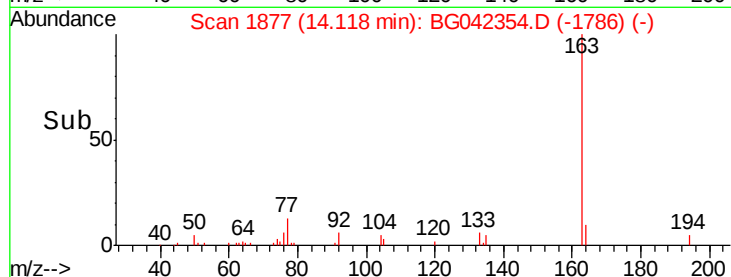
164 10.4 8.8 13.2



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: 7.903 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

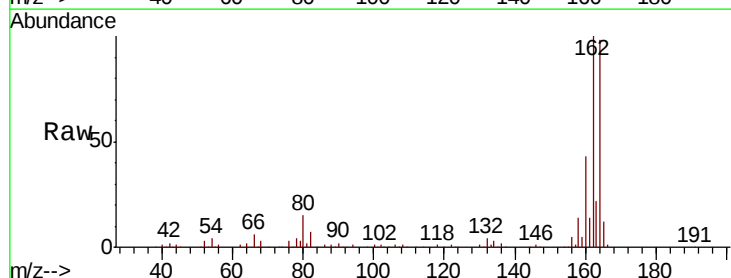
Tgt Ion:165 Resp: 25294

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

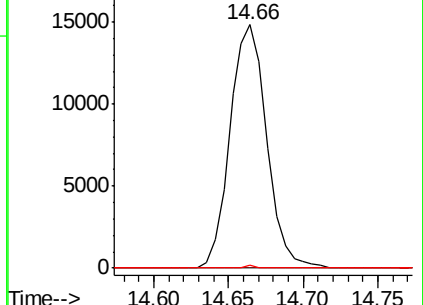
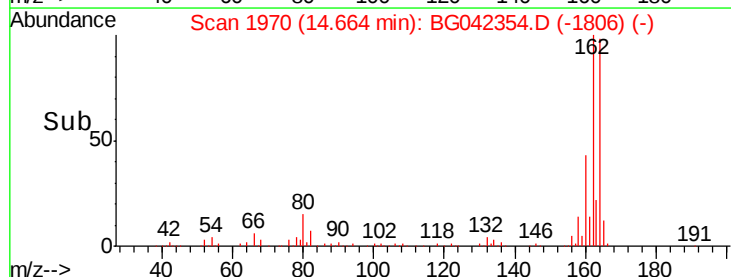
89 1.1 30.0 45.0#

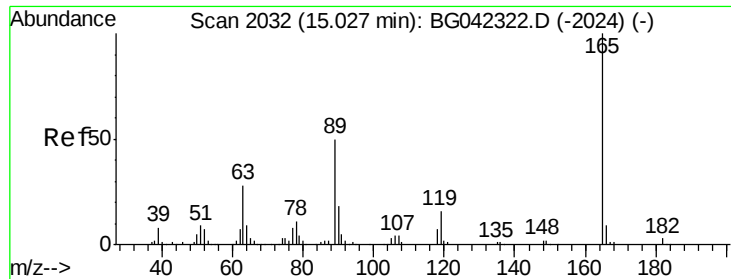


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

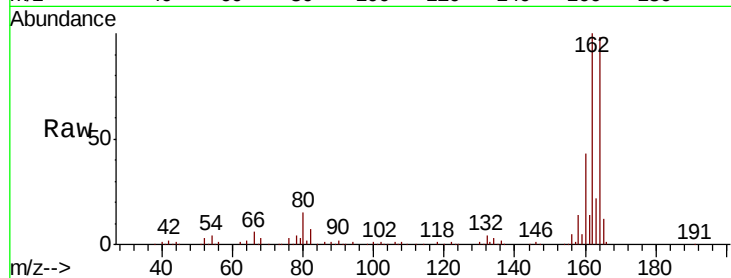




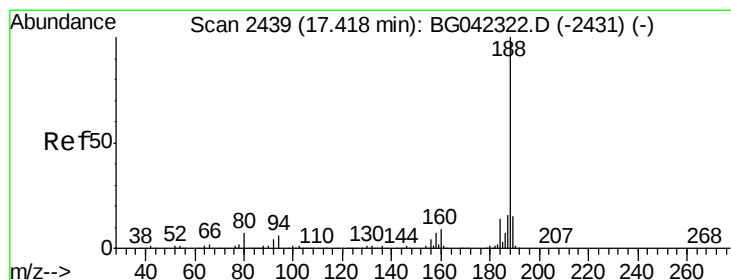
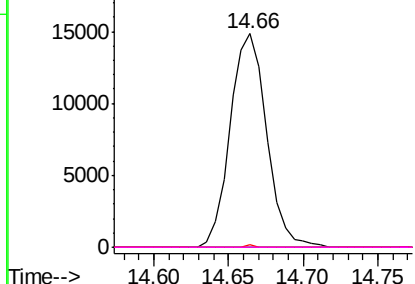
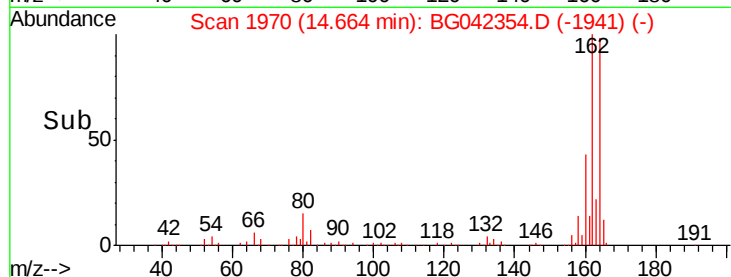
#57
 2,4-Dinitrotoluene
 Concen: 5.653 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042354.D
 Acq: 20 Aug 2019 11:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	25294
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.4 33.6#
89	1.1	40.2 60.2#
182	0.0	2.6 3.8#

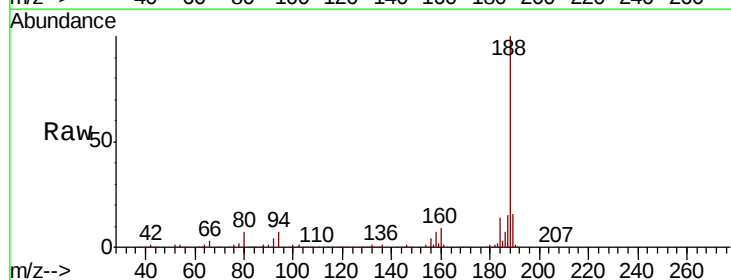


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

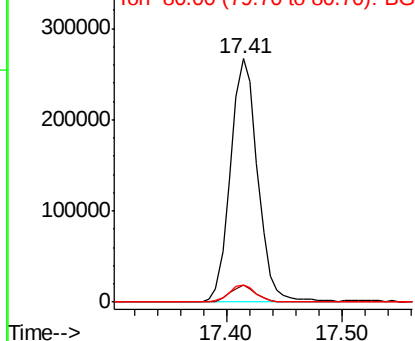
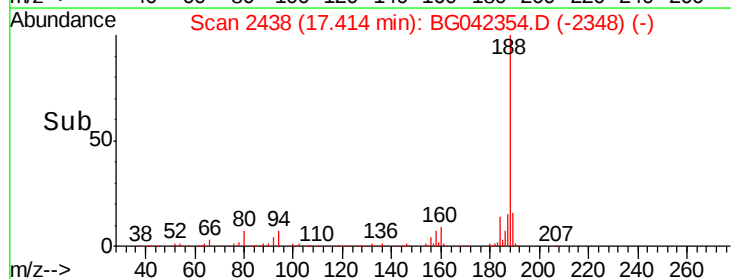


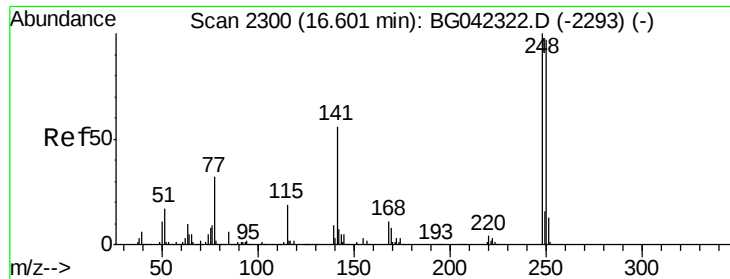
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042354.D
 Acq: 20 Aug 2019 11:57

Tgt Ion:188	Resp:	436575
Ion Ratio	Lower	Upper
188	100	
94	7.1	4.9 7.3
80	7.2	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

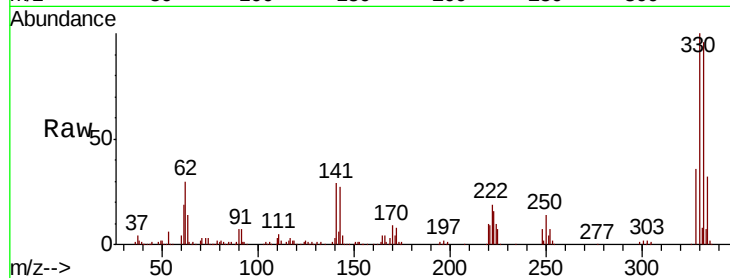




#67
 4-Bromophenyl-phenylether
 Concen: 4.983 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042354.D
 Acq: 20 Aug 2019 11:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.5	78.0	117.0#
141	401.7	44.9	67.3#

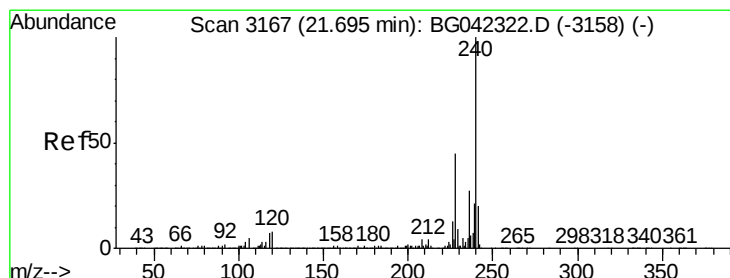
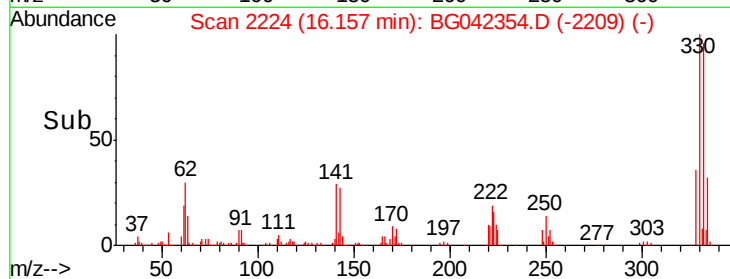
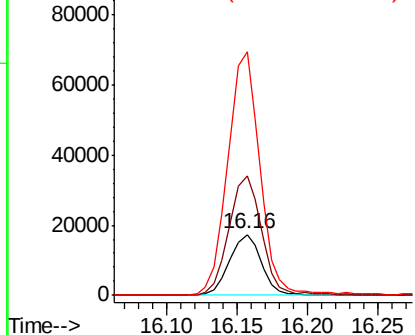


Abundance

Ion 248.00 (247.70 to 248.70): E

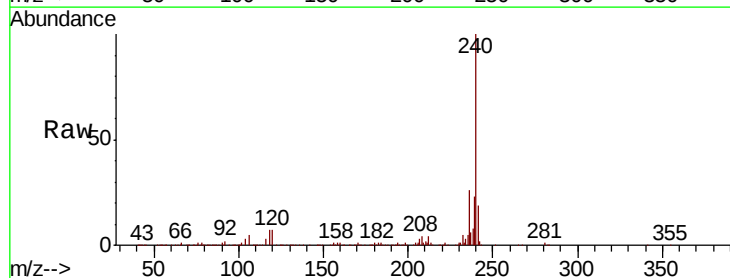
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.00 min
 Lab File: BG042354.D
 Acq: 20 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.0	9.0
236	25.9	21.6	32.4

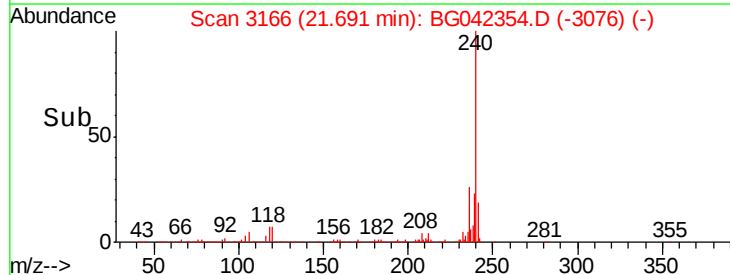
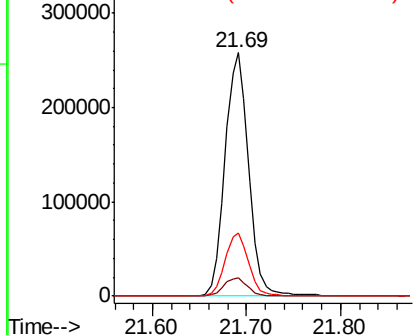


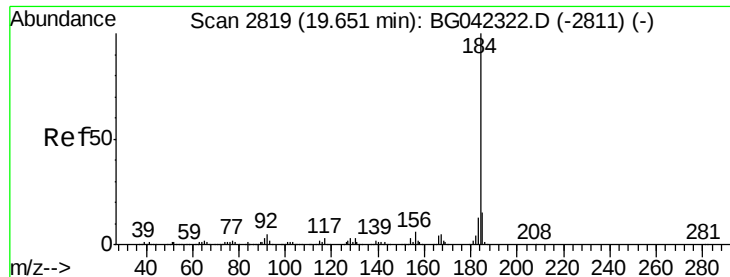
Abundance

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: 2.328 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

Instrument :

BNA_G

ClientSampleId :

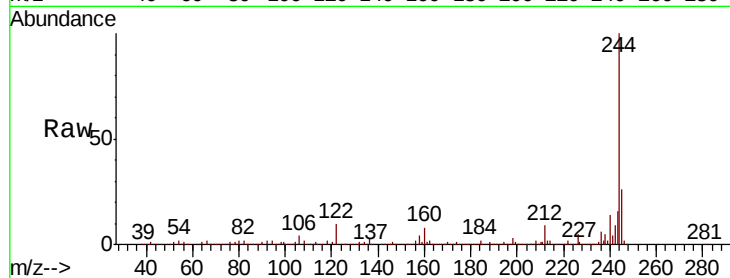
Tot Ion:184 Resp: 27723

Ion Ratio Lower Upper

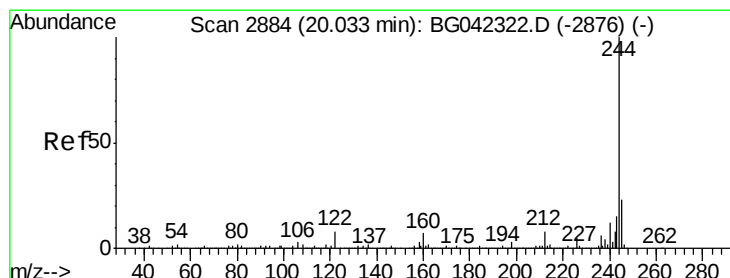
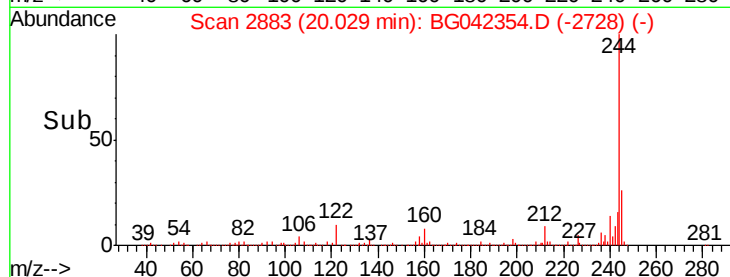
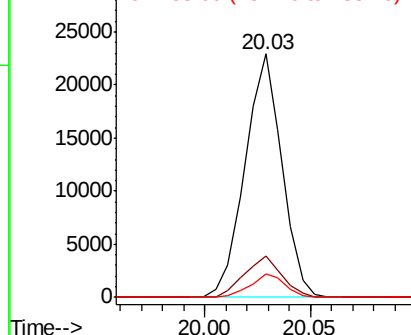
184 100

185 17.1 11.8 17.6

183 9.8 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: 95.741 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042354.D

Acq: 20 Aug 2019 11:57

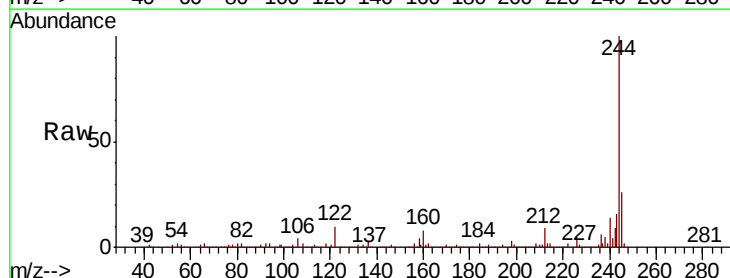
Tgt Ion:244 Resp: 1963603

Ion Ratio Lower Upper

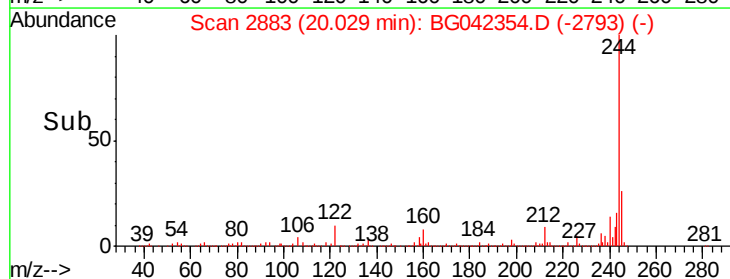
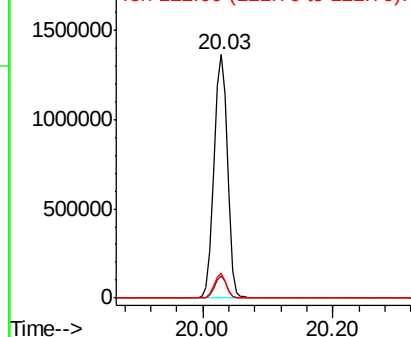
244 100

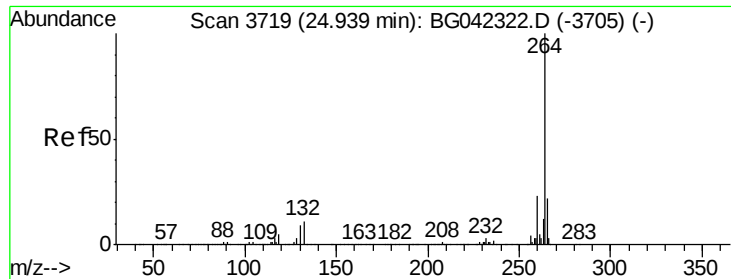
212 9.1 6.4 9.6

122 10.3 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

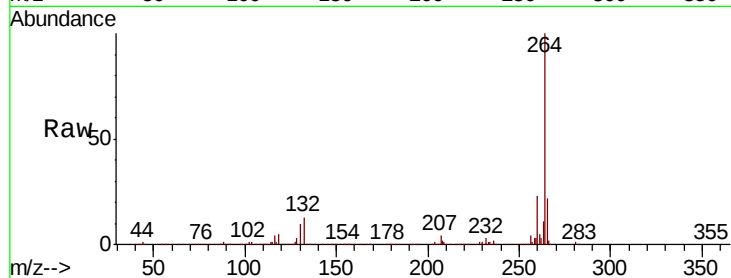




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042354.D
Acq: 20 Aug 2019 11:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	22.1	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

