

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042391.D
 Acq On : 21 Aug 2019 19:59
 Operator : HP/JU
 Sample : K4332-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 01:24:04 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	47240	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	209226	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	177840	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	455491	20.00	ng	0.00
76) Chrysene-d12	21.69	240	416208	20.00	ng	0.00
87) Perylene-d12	24.94	264	453059	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	186484	79.98	ng	0.03
7) Phenol-d6	7.30	99	213487	67.42	ng	0.13
23) Nitrobenzene-d5	9.17	82	261035	87.75	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	348281	143.79	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	938267	89.28	ng	0.00
79) Terphenyl-d14	20.03	244	1786321	94.00	ng	0.00

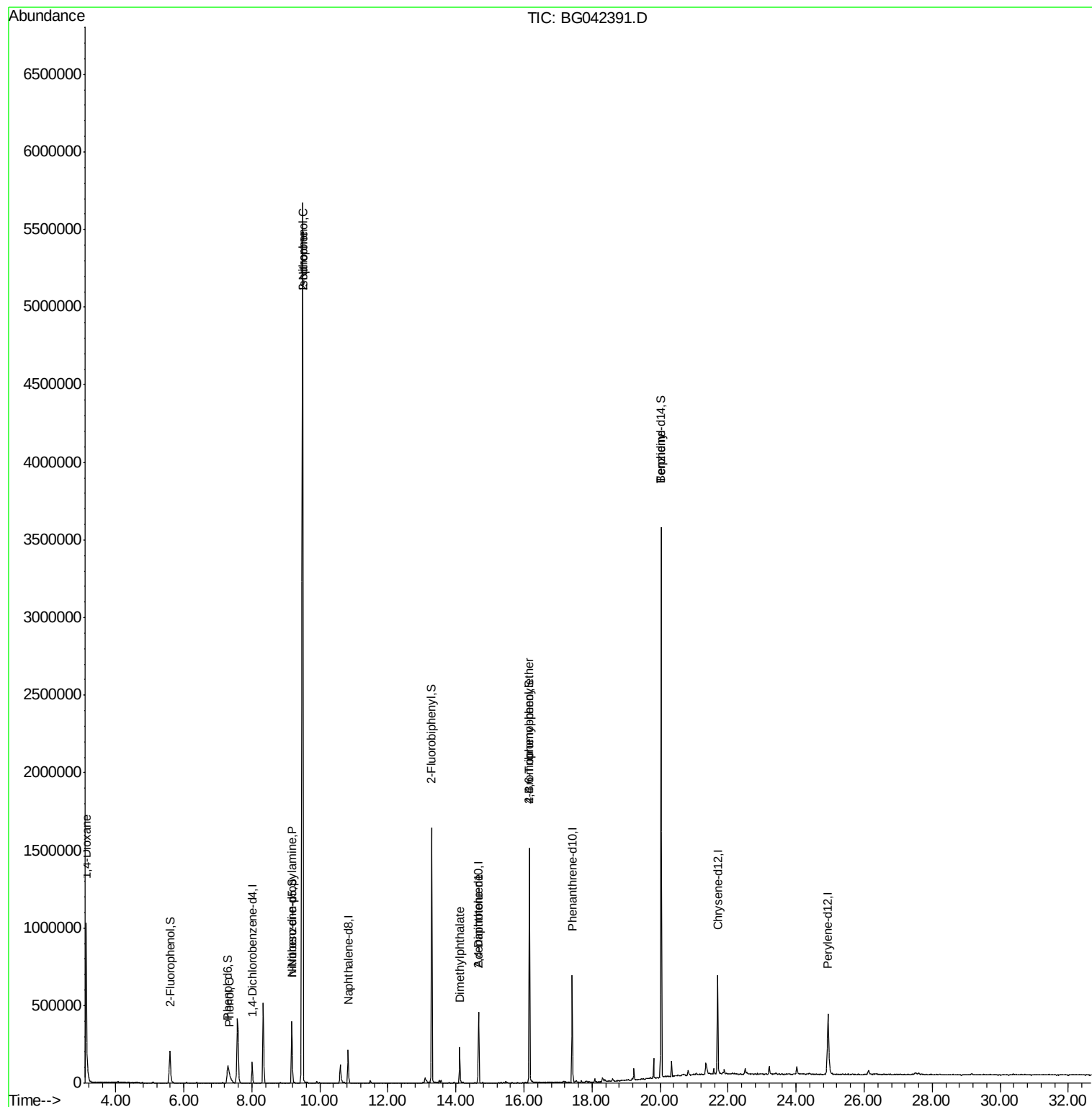
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	10183	10.127	ng	# 1
10) Phenol	7.33	94	6761	2.100	ng	# 48
19) n-Nitroso-di-n-propylamine	9.17	70	33427	16.412	ng	# 75
25) Isophorone	9.50	82	742212	124.772	ng	# 82
26) 2-Nitrophenol	9.50	139	275080	145.983	ng	# 1
50) Dimethylphthalate	14.11	163	175697	13.904	ng	100
57) 2,4-Dinitrotoluene	14.67	165	23188	5.608	ng	# 39
67) 4-Bromophenyl-phenylether	16.16	248	24291	4.191	ng	# 1
77) Benzidine	20.03	184	25672	2.326	ng	# 94

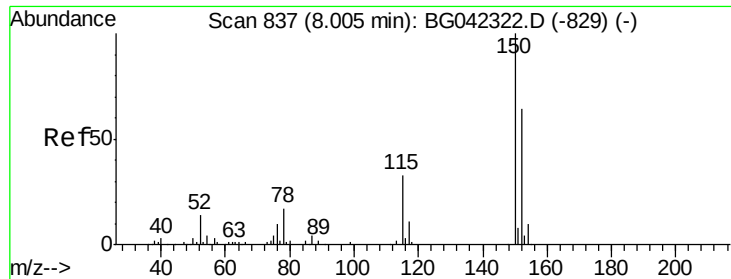
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
Data File : BG042391.D
Acq On : 21 Aug 2019 19:59
Operator : HP/JU
Sample : K4332-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 22 01:24:04 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



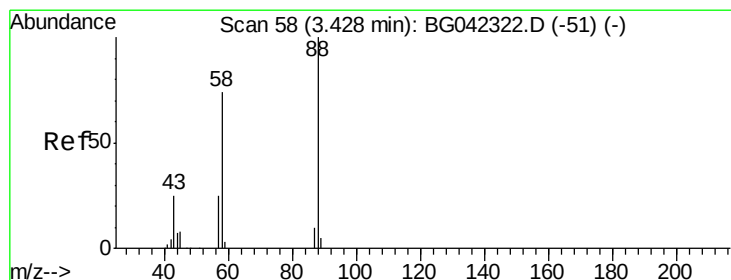
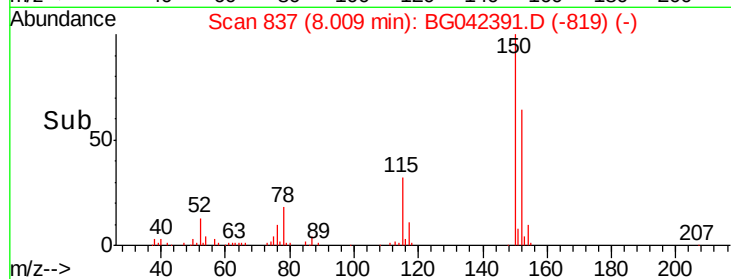
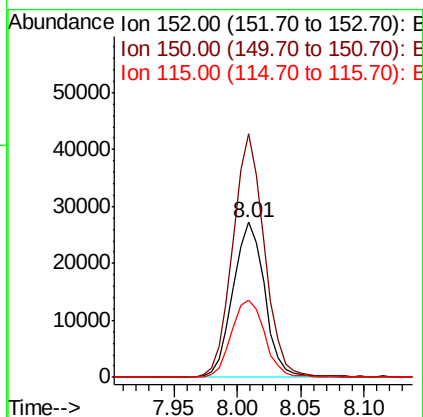
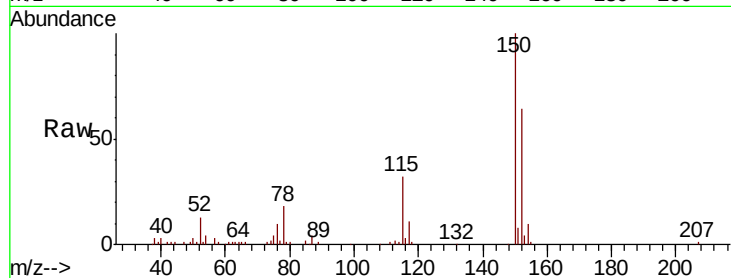


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :

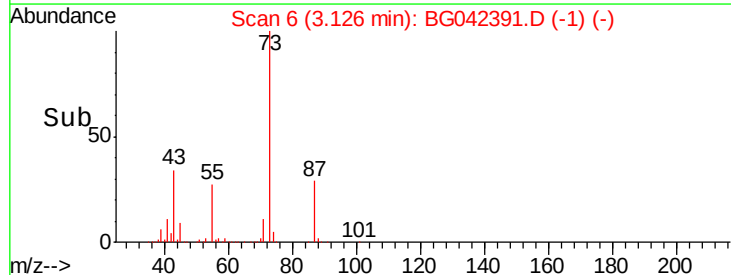
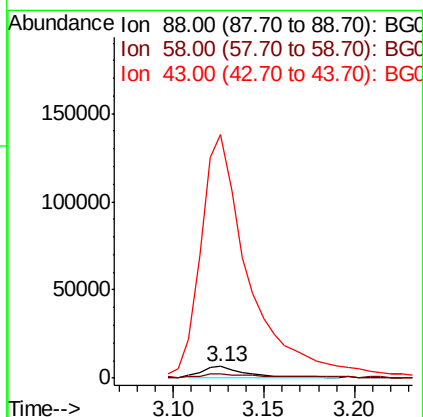
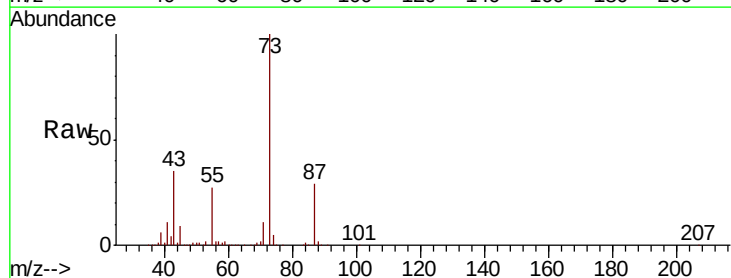
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.3	186.5
115	49.8	40.5	60.7

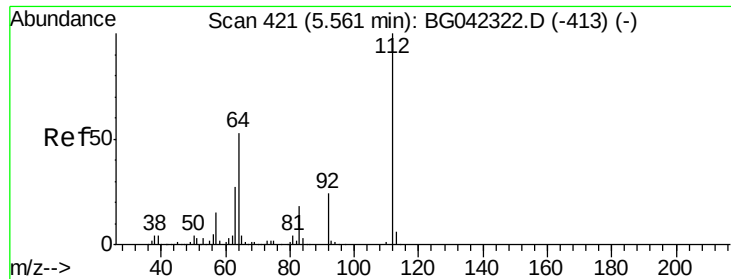


#2

1,4-Dioxane
 Concen: 10.127 ng
 RT: 3.13 min Scan# 6
 Delta R.T. -0.30 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	23.5	58.6	88.0#
43	2374.0	19.4	29.0#





#5

2-Fluorophenol

Concen: 79.982 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.03 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Instrument :

BNA_G

ClientSampleId :

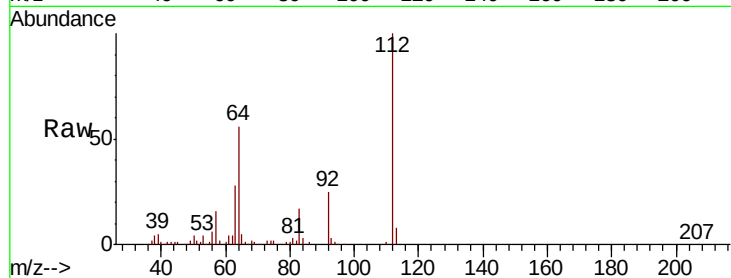
Tot Ion:112 Resp: 186484

Ion Ratio Lower Upper

112 100

64 56.4 42.5 63.7

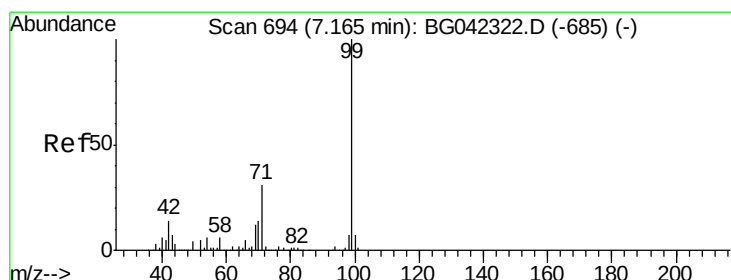
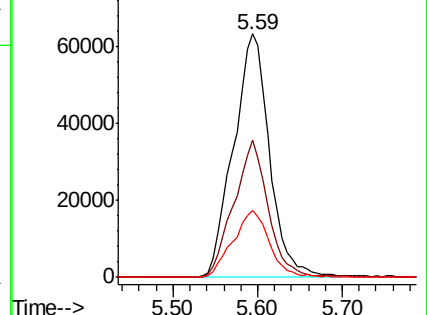
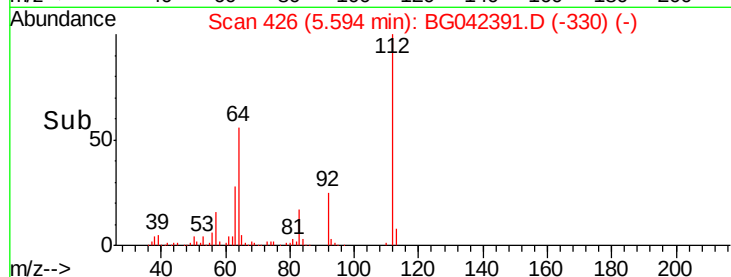
63 27.6 21.7 32.5



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: 67.419 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.13 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

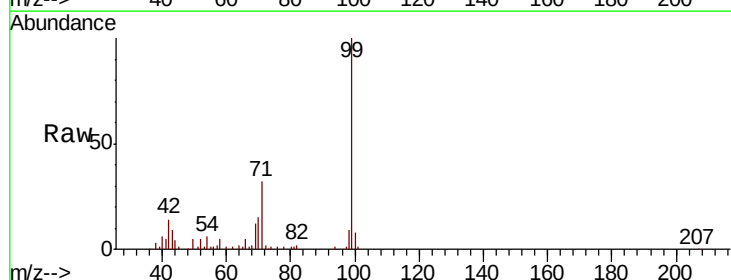
Tgt Ion: 99 Resp: 213487

Ion Ratio Lower Upper

99 100

42 14.1 11.4 17.0

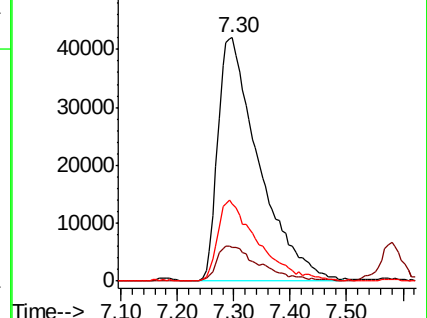
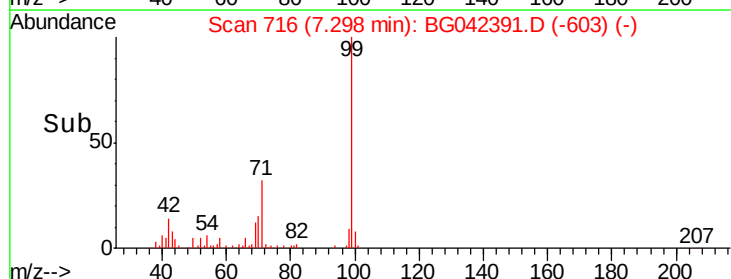
71 31.6 25.1 37.7

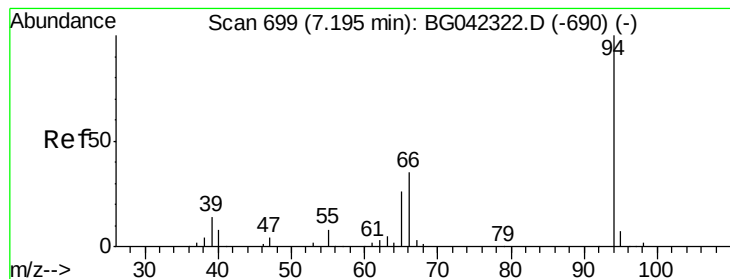


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.100 ng

RT: 7.33 min Scan# 722

Delta R.T. 0.14 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Instrument :

BNA_G

ClientSampled :

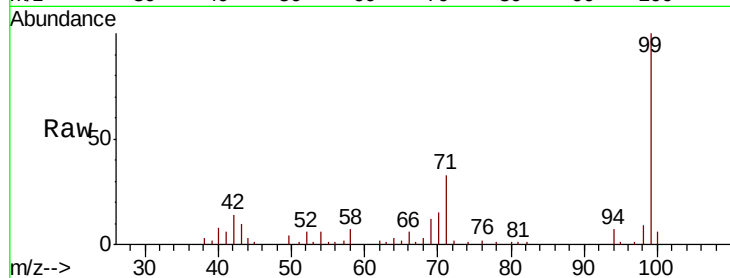
Tot Ion: 94 Resp: 6761

Ion Ratio Lower Upper

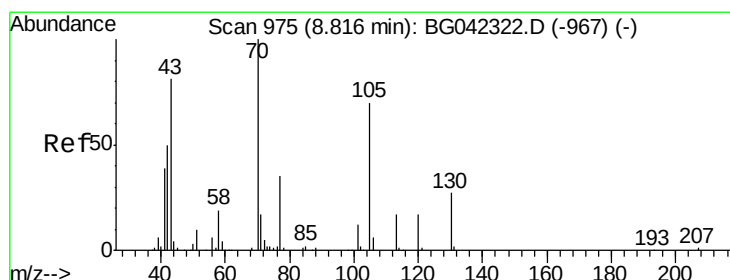
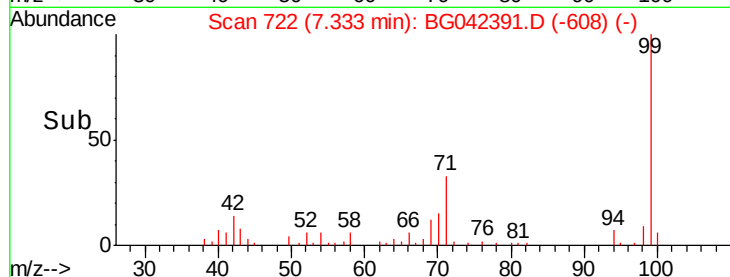
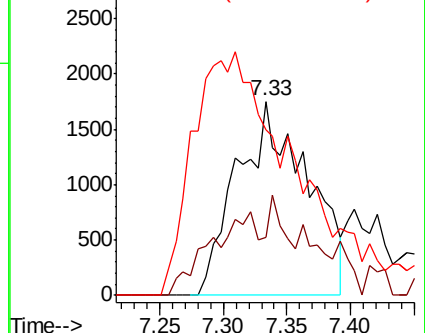
94 100

65 29.7 6.1 46.1

66 85.3 15.7 55.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.412 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Tgt Ion: 70 Resp: 33427

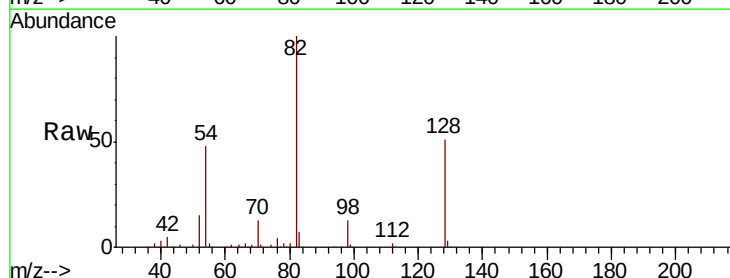
Ion Ratio Lower Upper

70 100

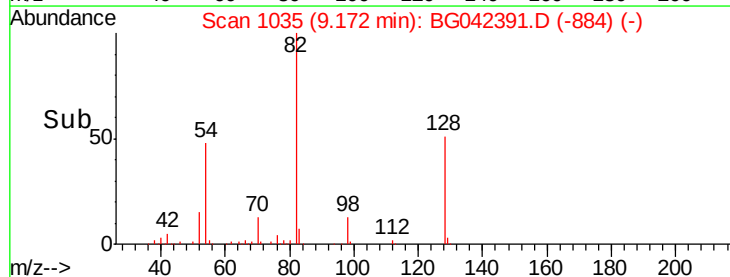
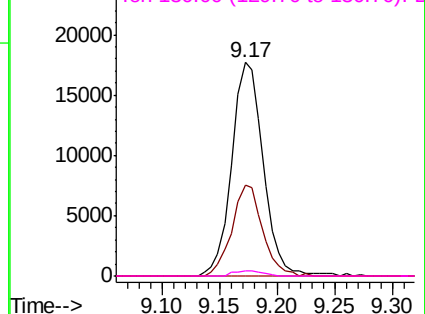
42 42.5 40.5 60.7

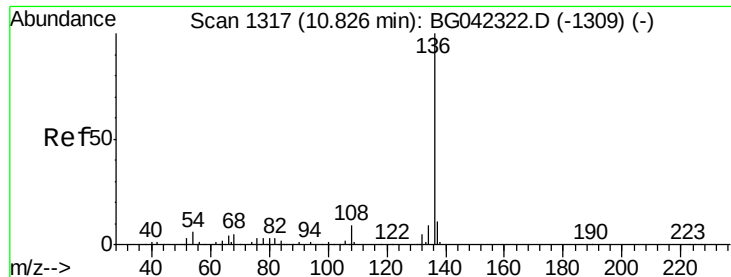
101 0.0 9.3 13.9#

130 2.4 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

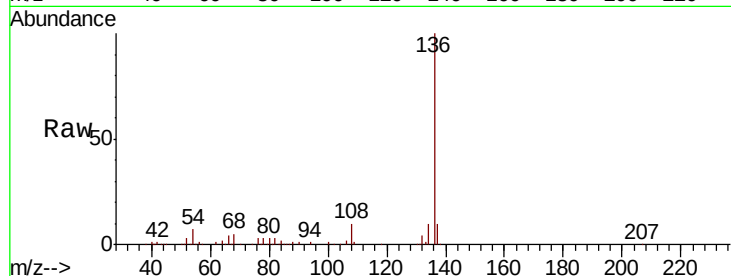




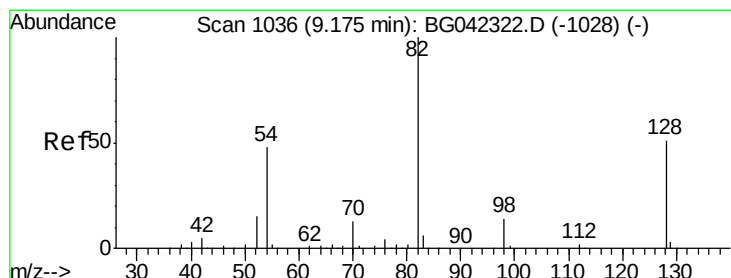
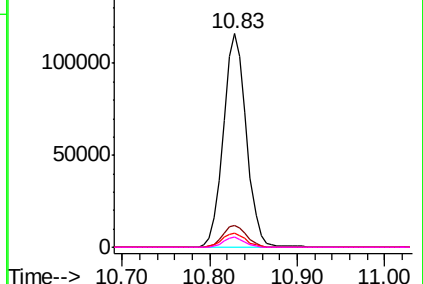
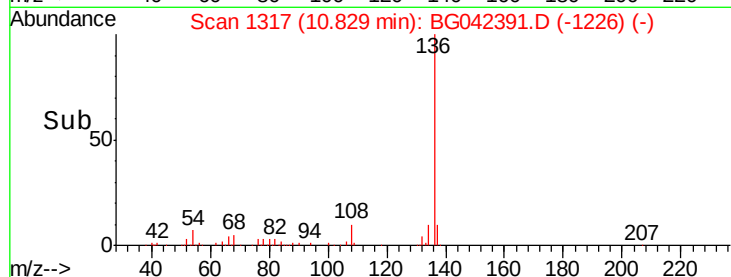
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042391.D
Acq: 21 Aug 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	209226
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.4	12.6
54 6.6	5.0	7.4
68 5.0	3.8	5.8

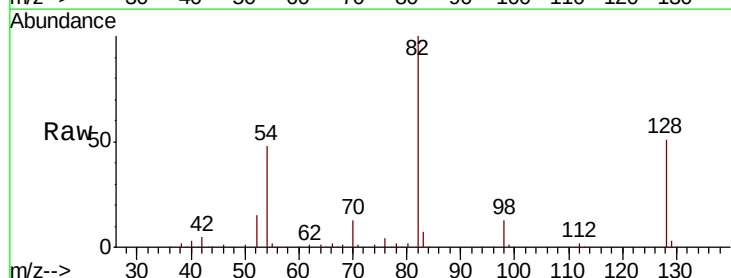


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

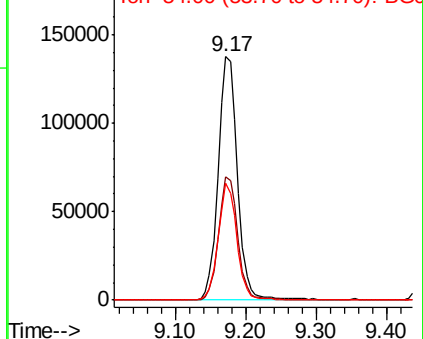
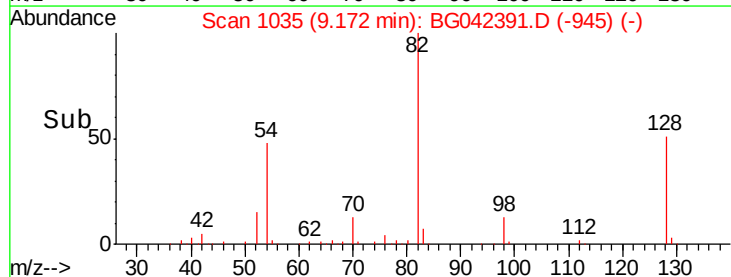


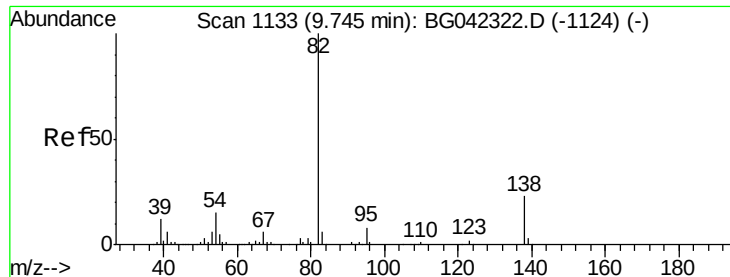
#23
Nitrobenzene-d5
Concen: 87.749 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042391.D
Acq: 21 Aug 2019 19:59

Tgt Ion: 82	Resp: 261035
Ion Ratio	Lower Upper
82 100	
128 50.6	41.0 61.4
54 47.9	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





#25

Isophorone

Concen: 124.772 ng

RT: 9.50 min Scan# 1090

Delta R.T. -0.25 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Instrument :

BNA_G

ClientSampled :

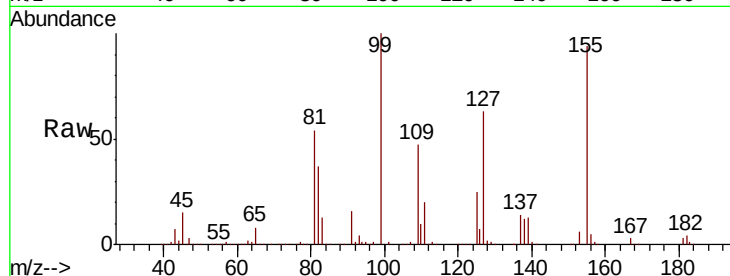
Tot Ion: 82 Resp: 742212

Ion Ratio Lower Upper

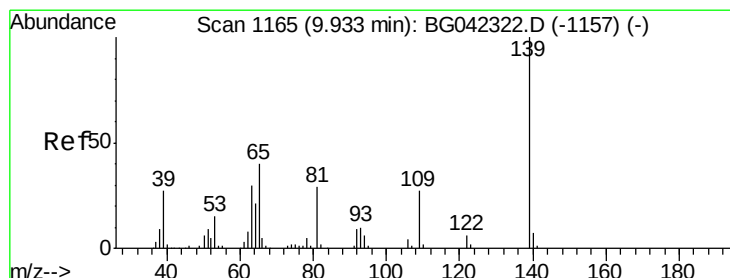
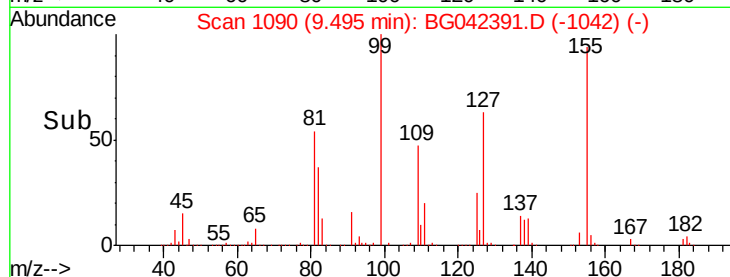
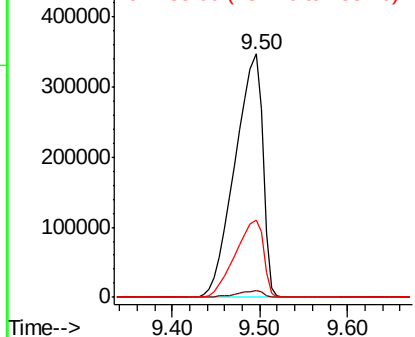
82 100

95 2.6 6.1 9.1#

138 31.9 18.2 27.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 145.983 ng

RT: 9.50 min Scan# 1090

Delta R.T. -0.44 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

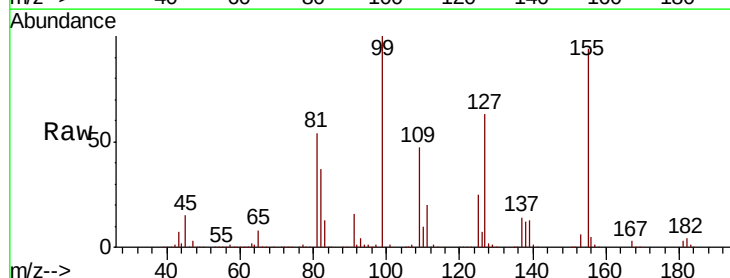
Tgt Ion: 139 Resp: 275080

Ion Ratio Lower Upper

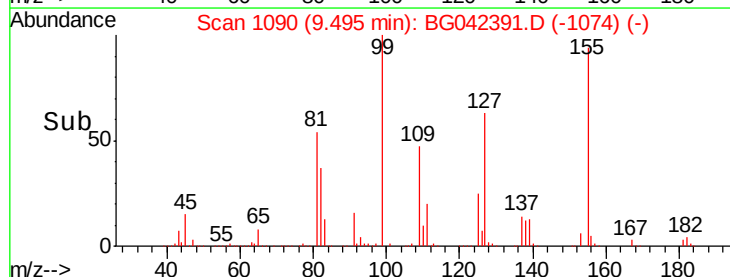
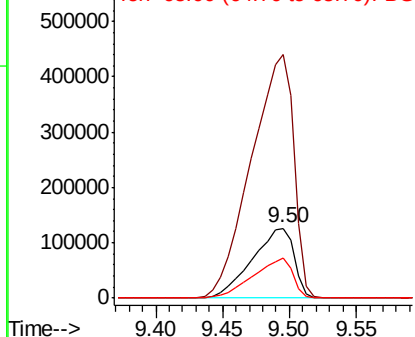
139 100

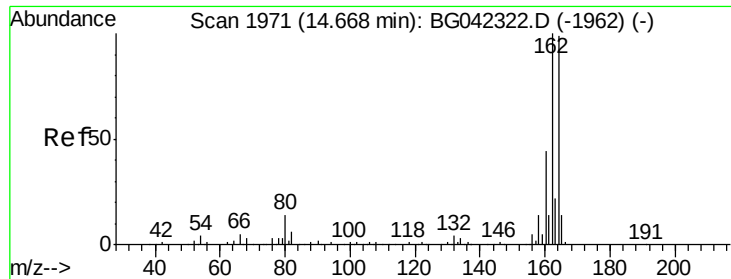
109 350.0 21.4 32.2#

65 57.5 31.8 47.6#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

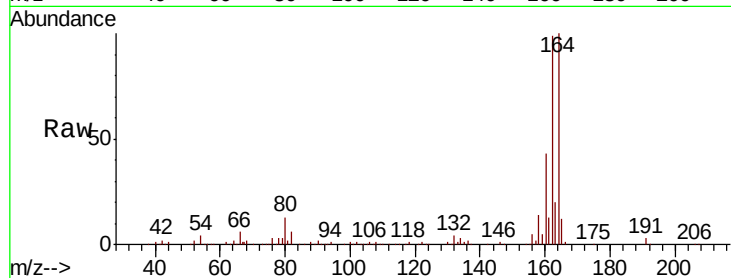




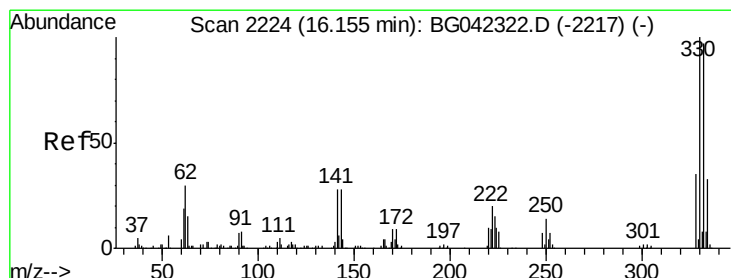
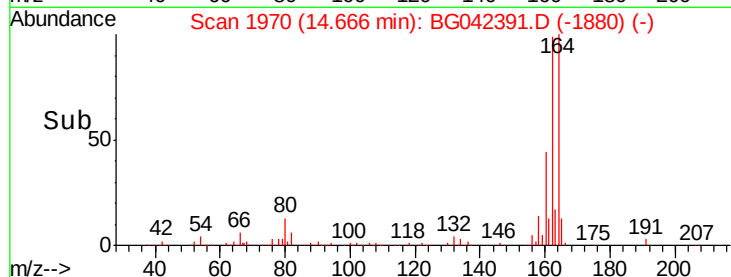
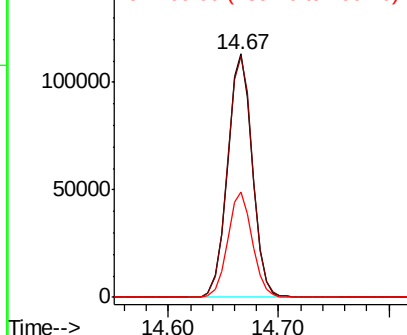
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042391.D
Acq: 21 Aug 2019 19:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 177840
Ion Ratio Lower Upper
164 100
162 98.9 80.6 120.8
160 43.4 35.7 53.5

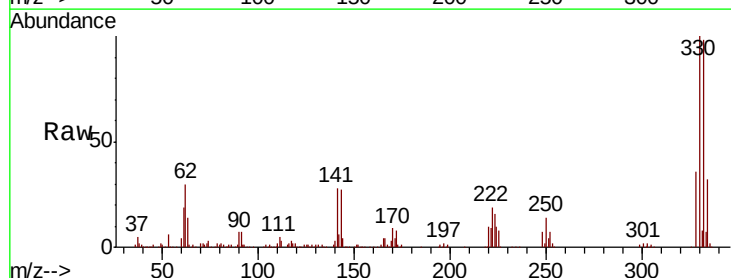


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

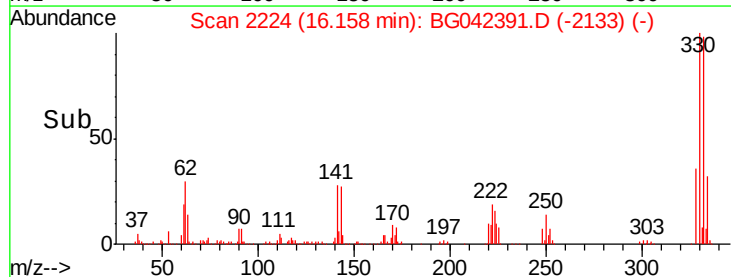
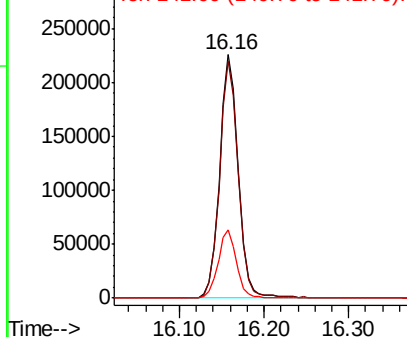


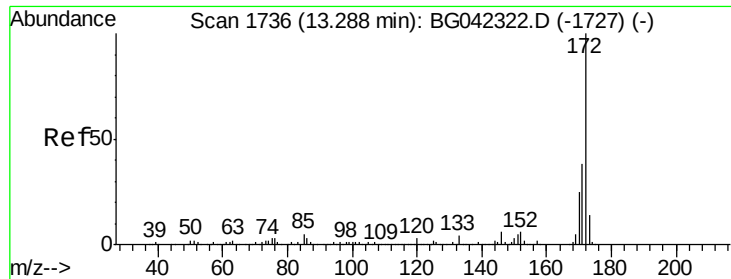
#42
2,4,6-Tribromophenol
Concen: 143.791 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BG042391.D
Acq: 21 Aug 2019 19:59

Tgt Ion:330 Resp: 348281
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 27.9 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

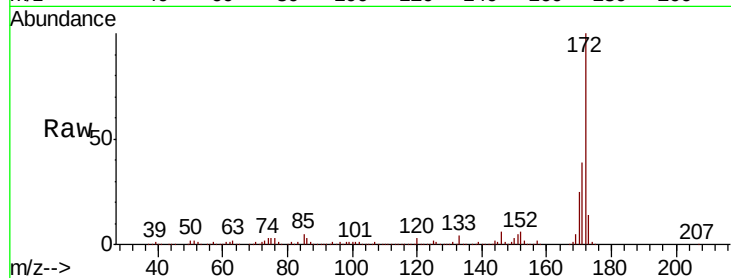




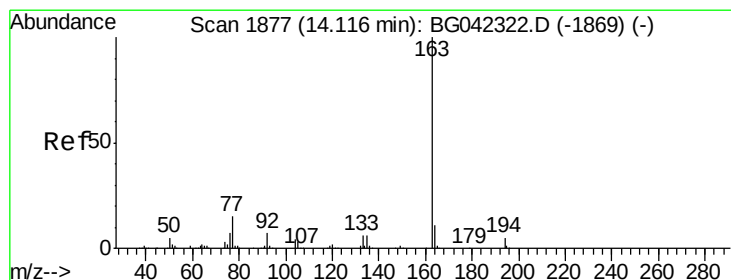
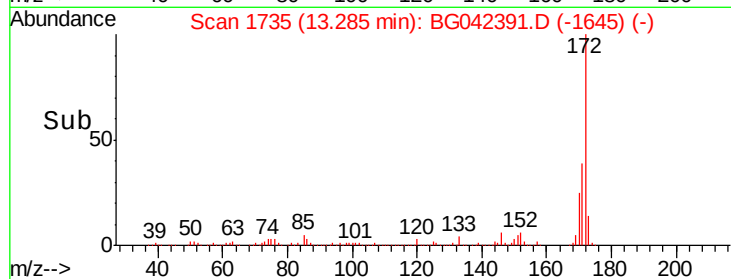
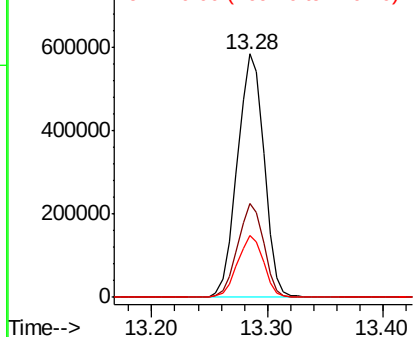
#45
 2-Fluorobiphenyl
 Concen: 89.277 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	172	Resp:	938267
Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.3	45.5
170	25.3	20.0	30.0

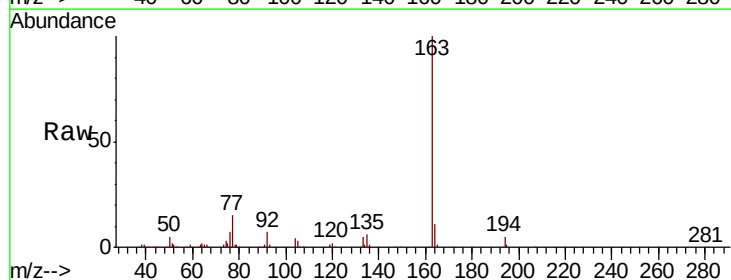


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

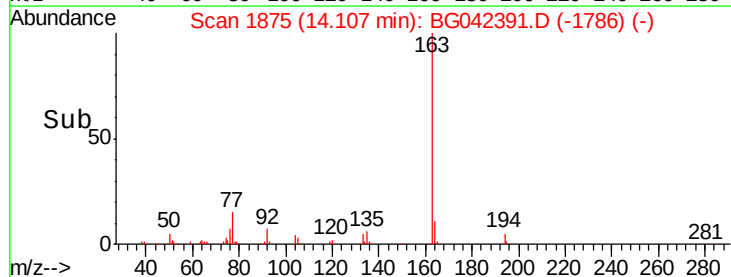
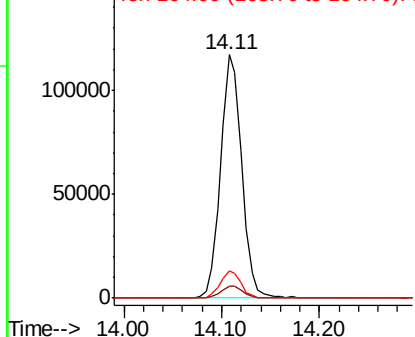


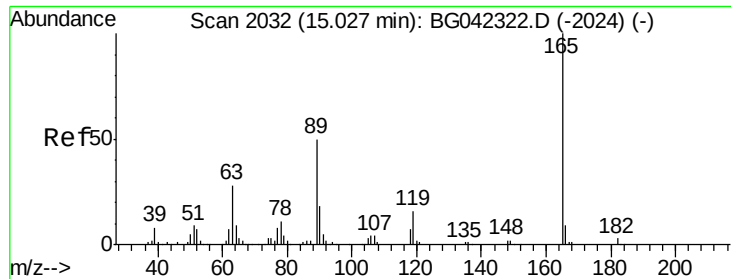
#50
 Dimethylphthalate
 Concen: 13.904 ng
 RT: 14.11 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Tgt Ion:	163	Resp:	175697
Ion	Ratio	Lower	Upper
163	100		
194	4.9	4.2	6.2
164	11.0	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





#57

2,4-Dinitrotoluene

Concen: 5.608 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 23188

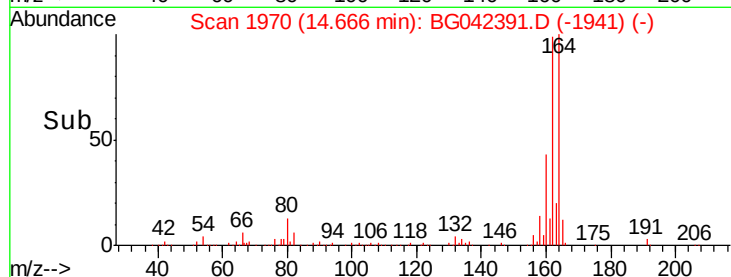
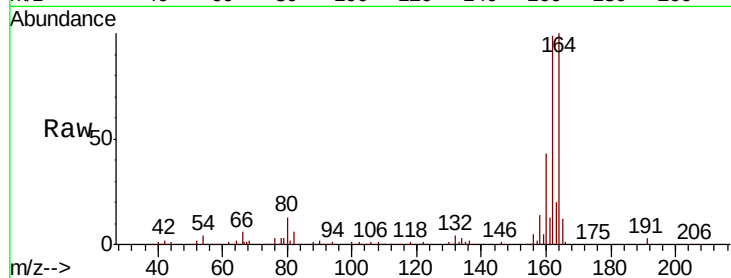
Ion Ratio Lower Upper

165 100

63 1.5 22.4 33.6#

89 1.2 40.2 60.2#

182 0.0 2.6 3.8#

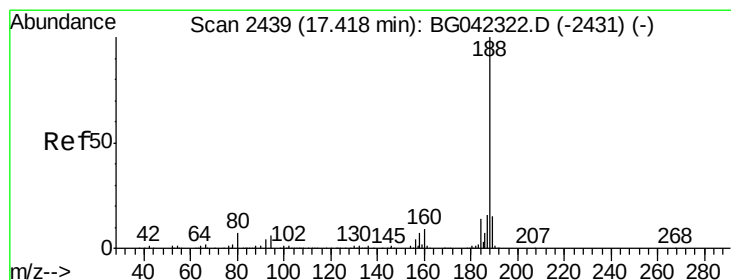
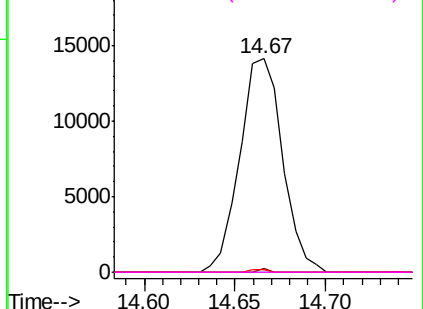


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

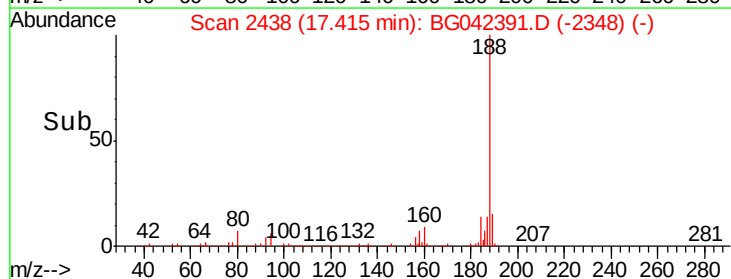
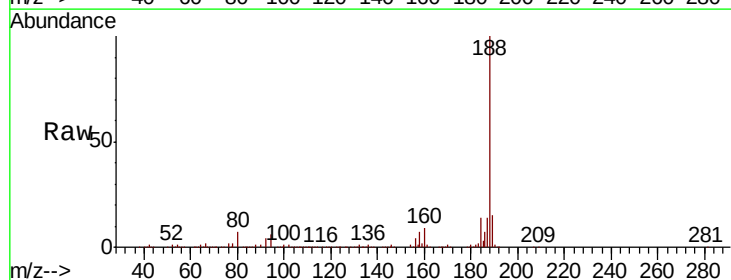
Tgt Ion:188 Resp: 455491

Ion Ratio Lower Upper

188 100

94 6.1 4.9 7.3

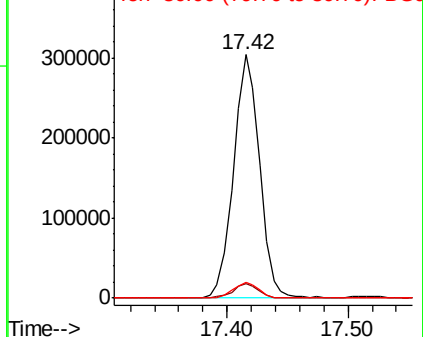
80 6.5 5.4 8.0

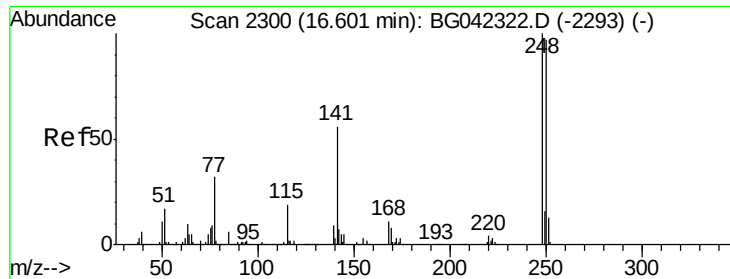


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

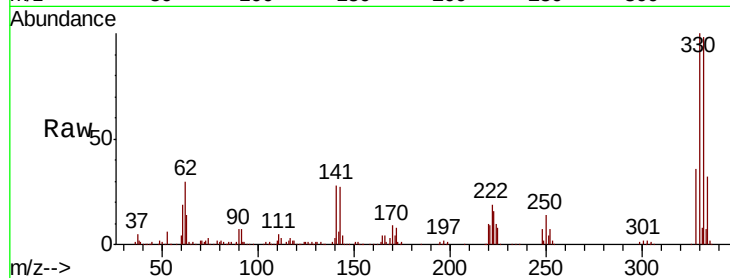




#67
 4-Bromophenyl-phenylether
 Concen: 4.191 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	201.3	78.0	117.0#
141	402.8	44.9	67.3#

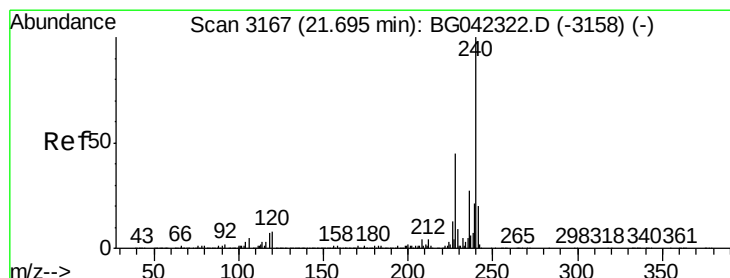
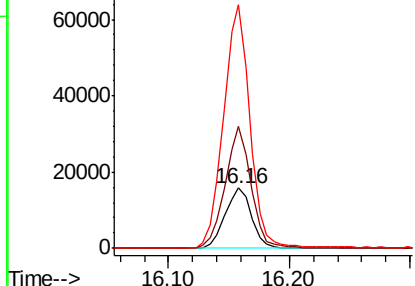
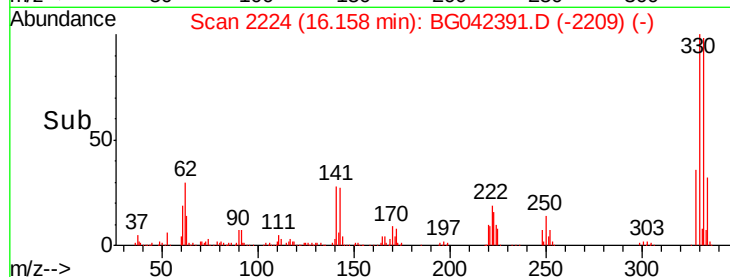


Abundance

Ion 248.00 (247.70 to 248.70): E

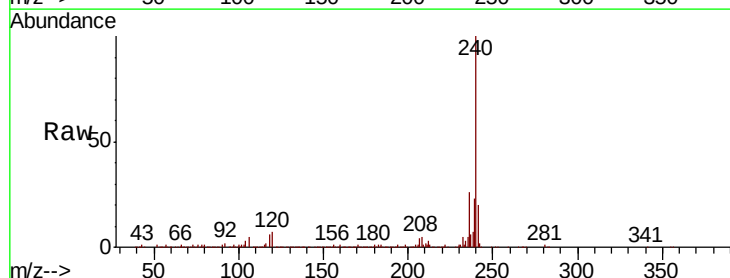
Ion 250.00 (249.70 to 250.70): E

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: BG042391.D
 Acq: 21 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.0	9.0
236	26.4	21.6	32.4

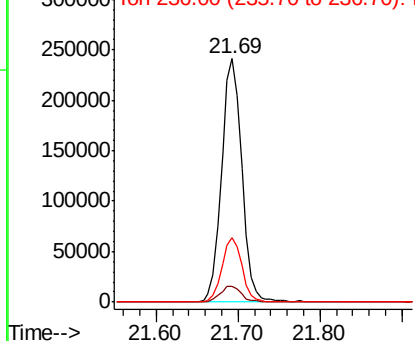
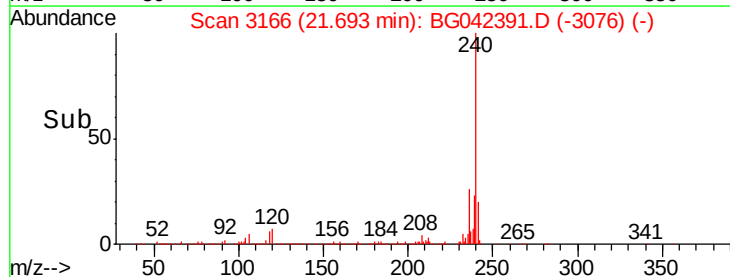


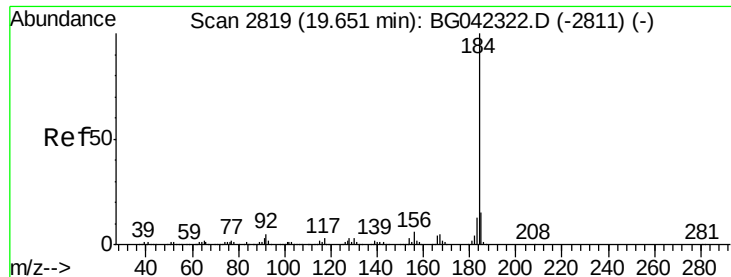
Abundance

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: 2.326 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

Instrument :

BNA_G

ClientSampled :

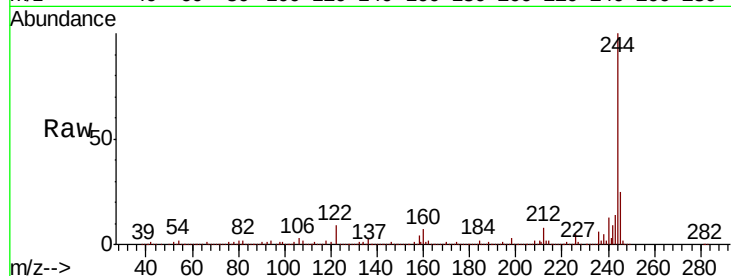
Tot Ion:184 Resp: 25672

Ion Ratio Lower Upper

184 100

185 17.1 11.8 17.6

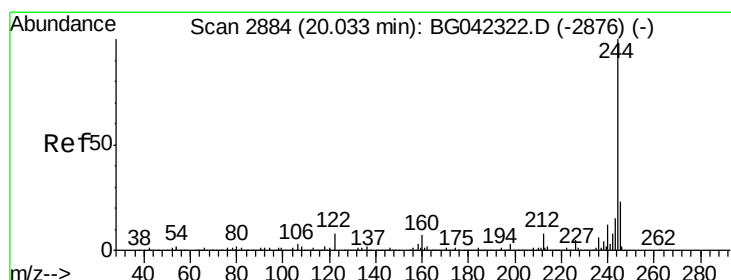
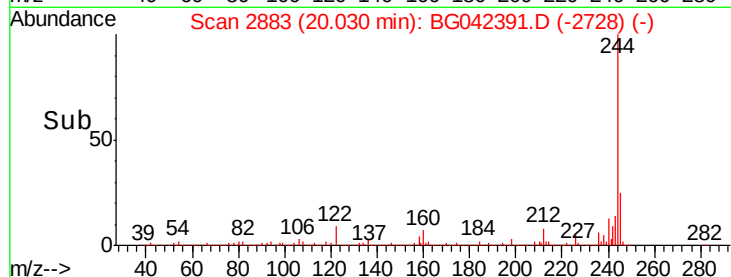
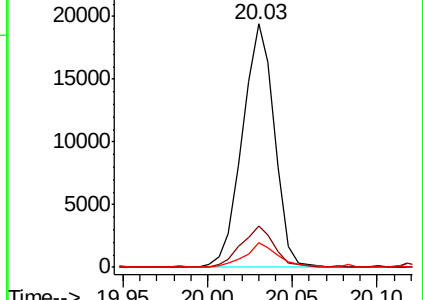
183 10.4 10.6 15.8#



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: 94.005 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042391.D

Acq: 21 Aug 2019 19:59

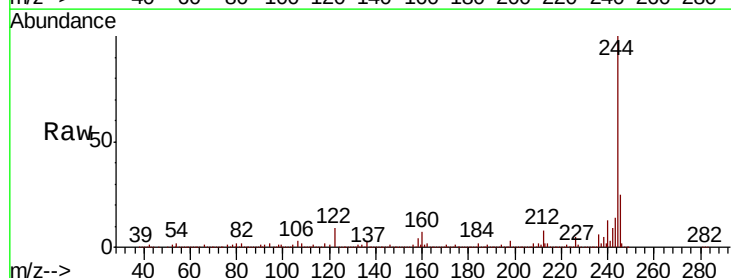
Tgt Ion:244 Resp: 1786321

Ion Ratio Lower Upper

244 100

212 8.5 6.4 9.6

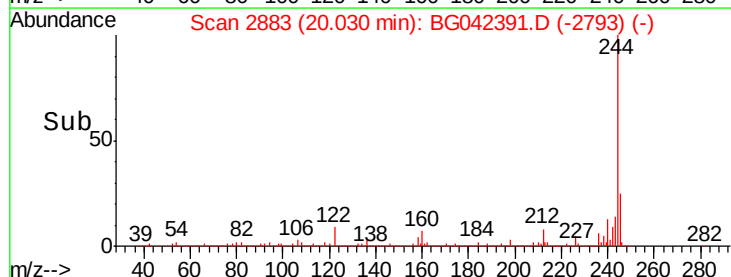
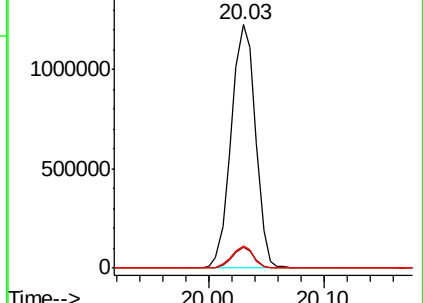
122 9.1 6.6 10.0

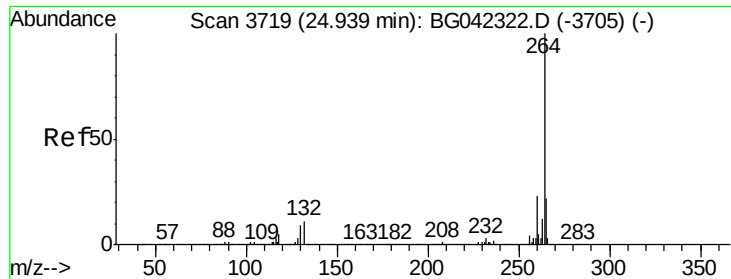


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BG042391.D
 Acq: 21 Aug 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.0	18.4	27.6	
265	22.7	17.4	26.0	

