

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043450.D
 Acq On : 1 Nov 2019 1:31
 Operator : JU
 Sample : K5602-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:03:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44032	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	159132	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	115101	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	266794	20.00	ng	0.00
76) Chrysene-d12	21.66	240	290717	20.00	ng	0.00
87) Perylene-d12	24.87	264	346234	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	212085	88.26	ng	0.00
7) Phenol-d6	7.21	99	191202	55.31	ng	0.00
23) Nitrobenzene-d5	9.19	82	259504	84.07	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	267258	122.01	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	727862	87.38	ng	0.00
79) Terphenyl-d14	20.01	244	1427131	92.10	ng	0.00

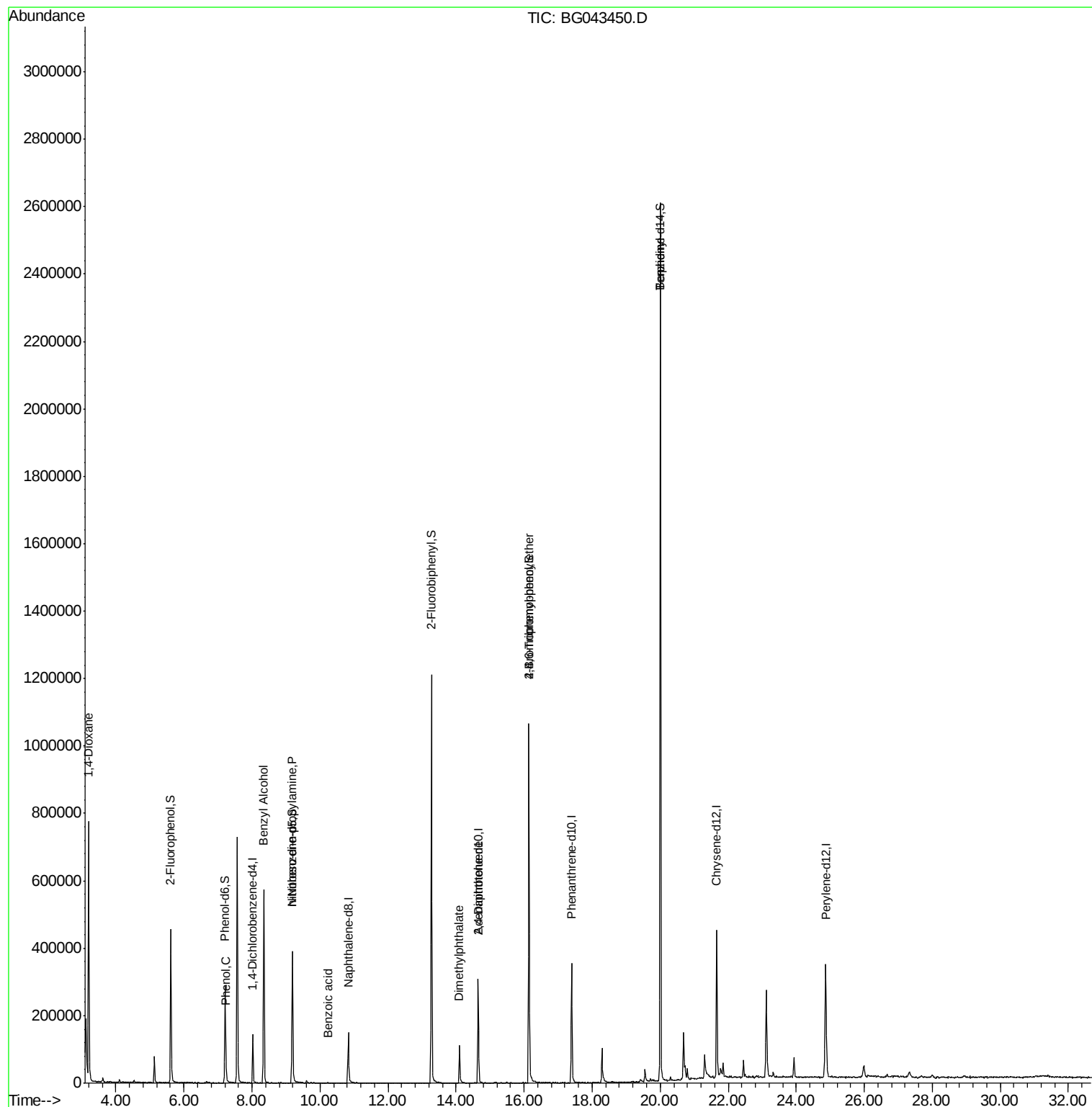
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	8773	9.369	ng	# 1
10) Phenol	7.24	94	11769	3.725	ng	# 77
15) Benzyl Alcohol	8.35	79	5076	2.091	ng	# 61
19) n-Nitroso-di-n-propylamine	9.19	70	36981	16.554	ng	# 71
32) Benzoic acid	10.23	122	55	9.078	ng	# 1
50) Dimethylphthalate	14.10	163	92510	10.376	ng	99
57) 2,4-Dinitrotoluene	14.65	165	16013	5.785	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	16568	4.614	ng	# 1
77) Benzidine	20.00	184	21122	3.610	ng	# 92

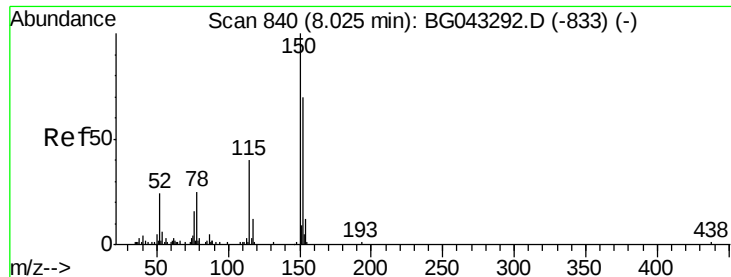
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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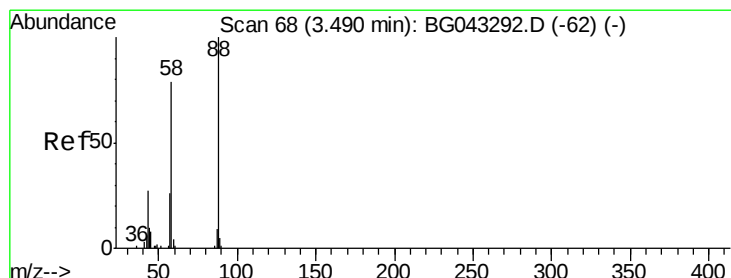
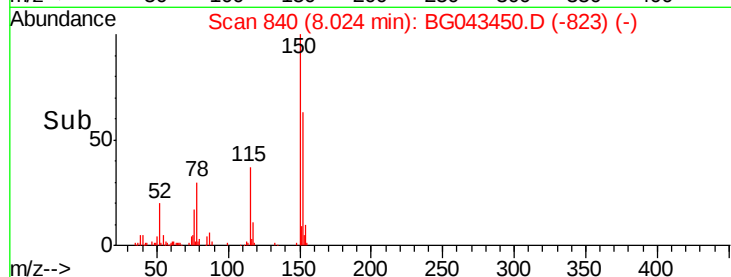
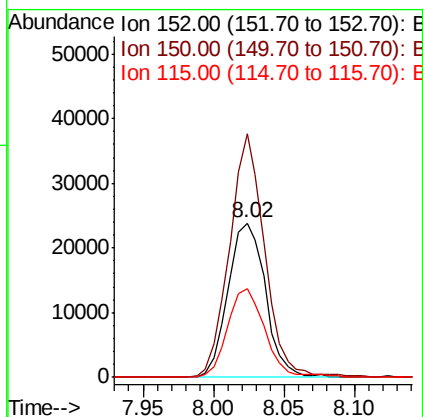
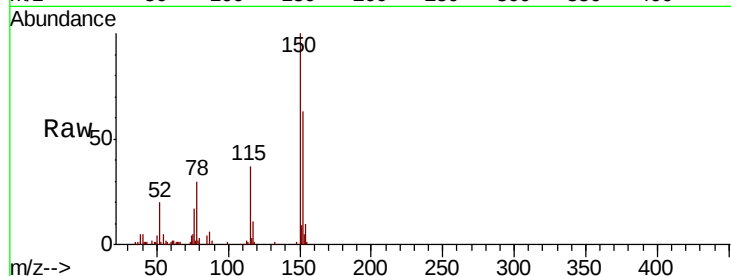


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Instrument :
BNA_G
ClientSampleId :

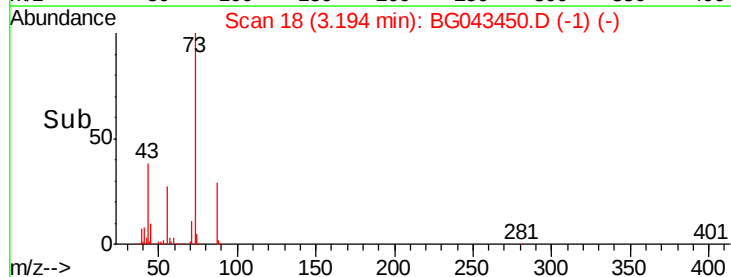
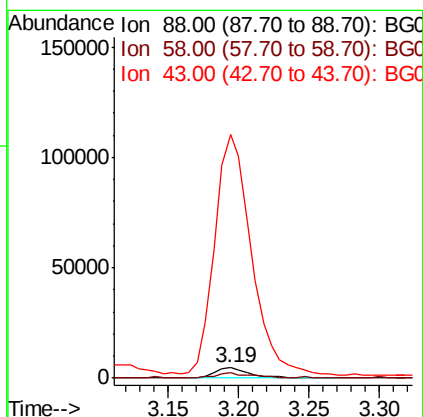
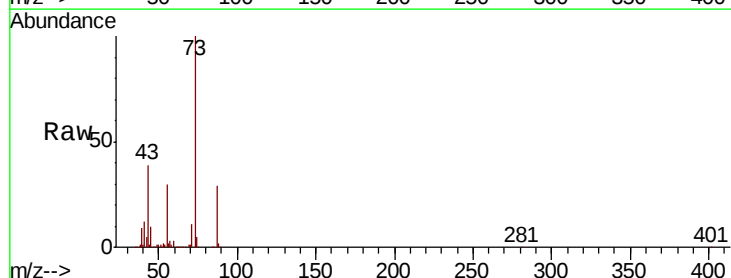
Tot Ion:152 Resp: 44032
Ion Ratio Lower Upper
152 100
150 157.7 113.6 170.4
115 57.6 45.9 68.9

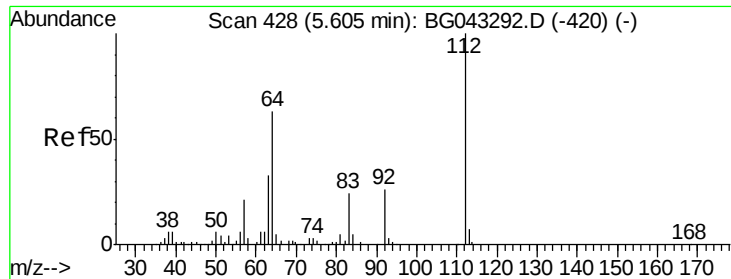


#2

1,4-Dioxane
Concen: 9.369 ng
RT: 3.19 min Scan# 18
Delta R.T. -0.30 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Tgt Ion: 88 Resp: 8773
Ion Ratio Lower Upper
88 100
58 42.4 60.2 90.2#
43 2254.6 22.7 34.1#





#5

2-Fluorophenol

Concen: 88.262 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

Instrument :

BNA_G

ClientSampleId :

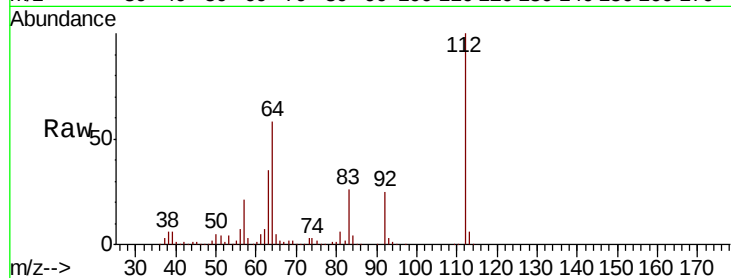
Tot Ion:112 Resp: 212085

Ion Ratio Lower Upper

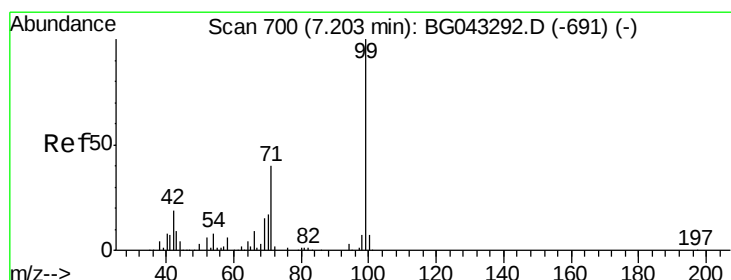
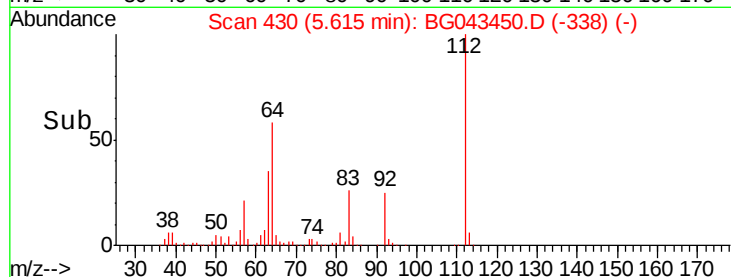
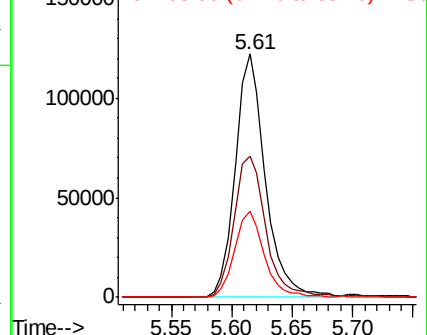
112 100

64 58.1 50.2 75.2

63 35.4 26.7 40.1



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: 55.305 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

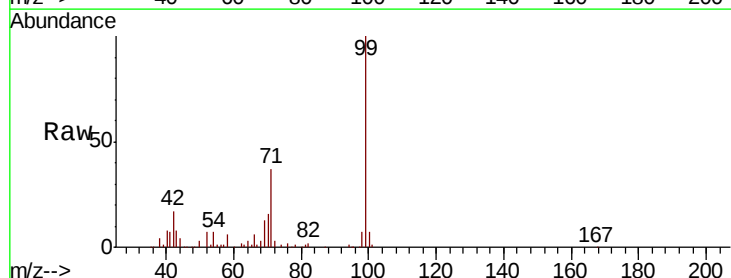
Tgt Ion: 99 Resp: 191202

Ion Ratio Lower Upper

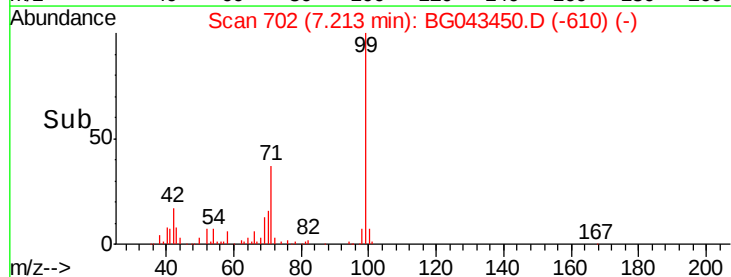
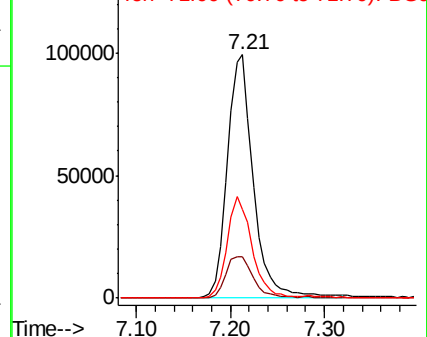
99 100

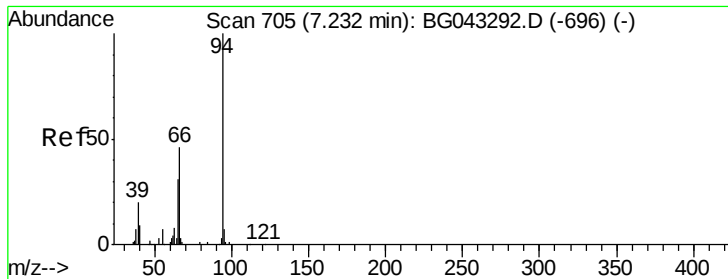
42 17.0 14.9 22.3

71 36.7 32.2 48.2



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: 3.725 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

Instrument :

BNA_G

ClientSampleId :

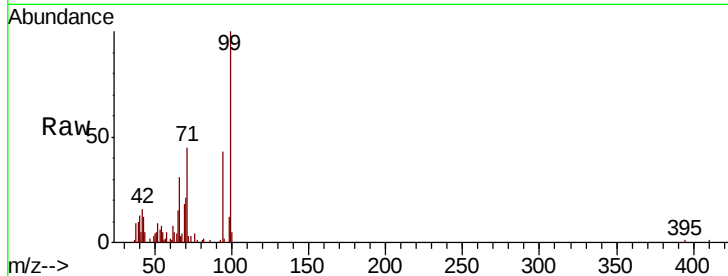
Tot Ion: 94 Resp: 11769

Ion Ratio Lower Upper

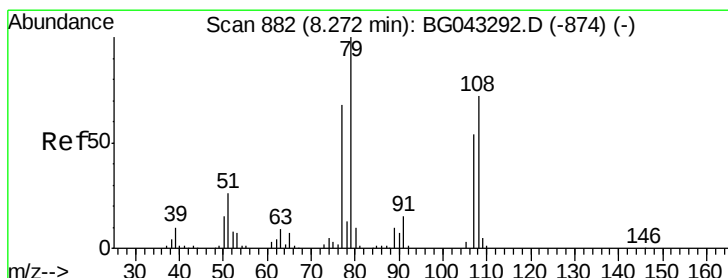
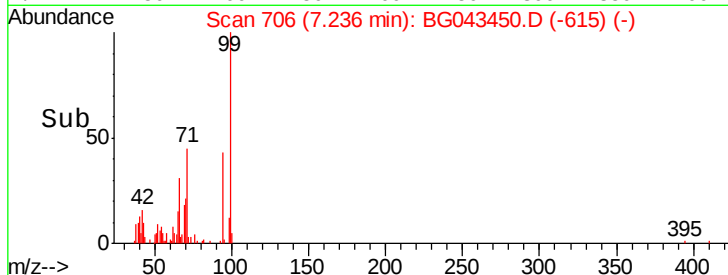
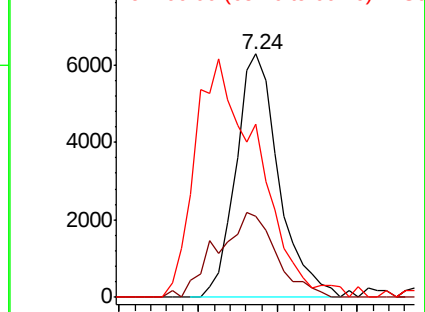
94 100

65 33.5 11.1 51.1

66 71.2 27.8 67.8#



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



#15

Benzyl Alcohol

Concen: 2.091 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

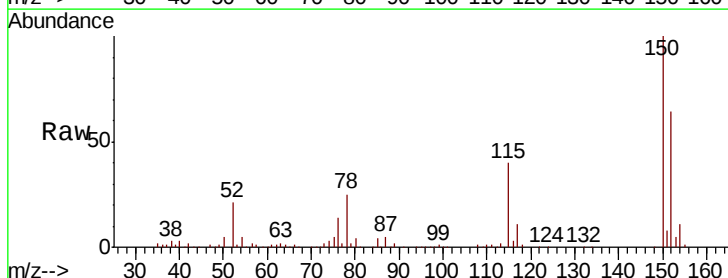
Tgt Ion: 79 Resp: 5076

Ion Ratio Lower Upper

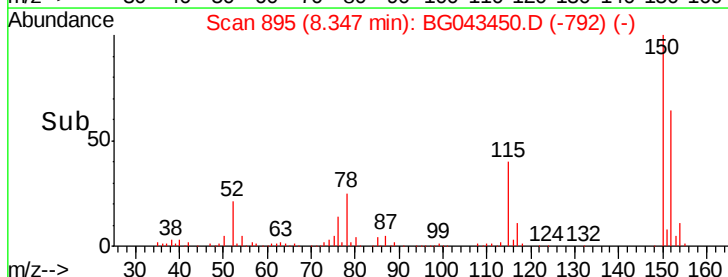
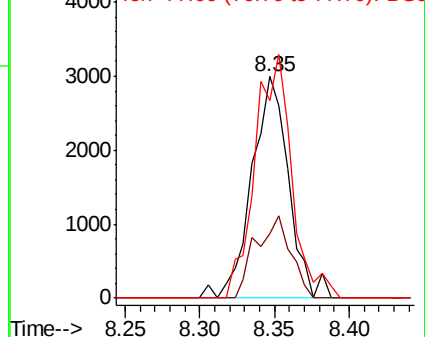
79 100

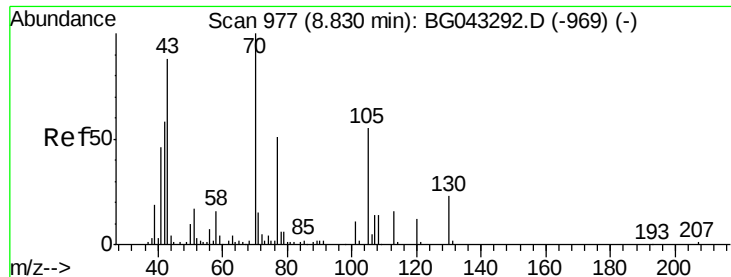
108 29.0 57.3 85.9#

77 89.6 54.6 81.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

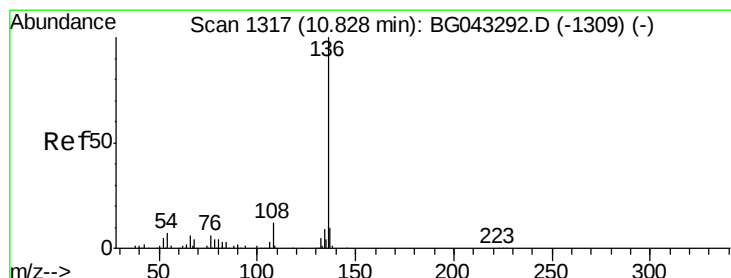
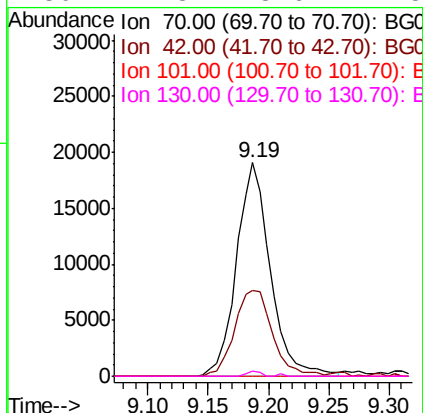
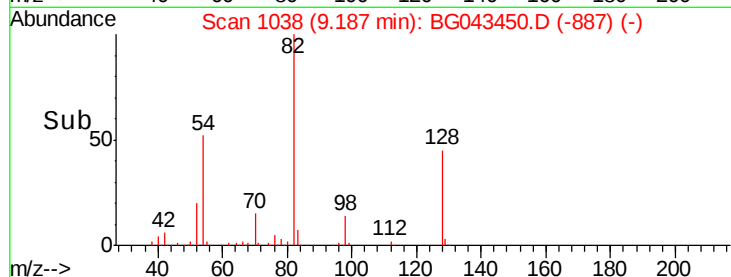
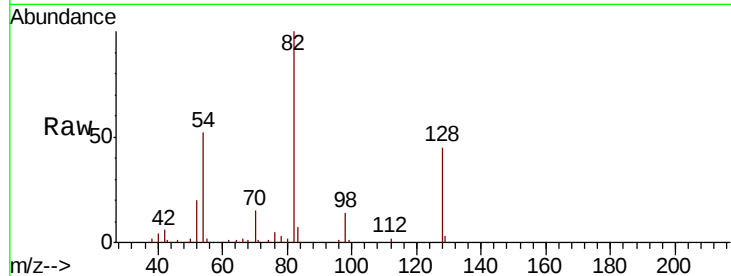




#19
n-Nitroso-di-n-propylamine
Concen: 16.554 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

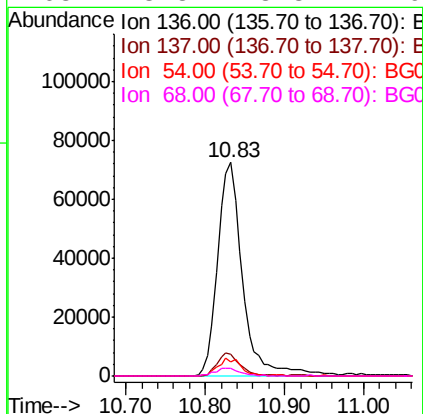
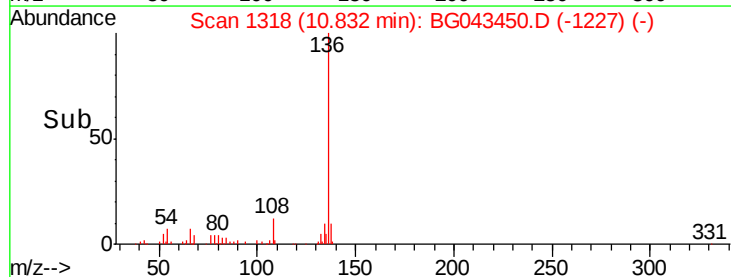
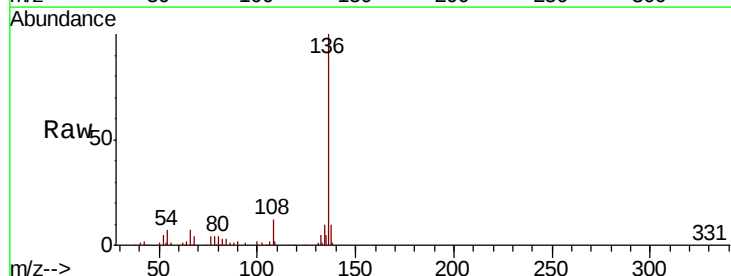
Instrument :
BNA_G
ClientSampleId :

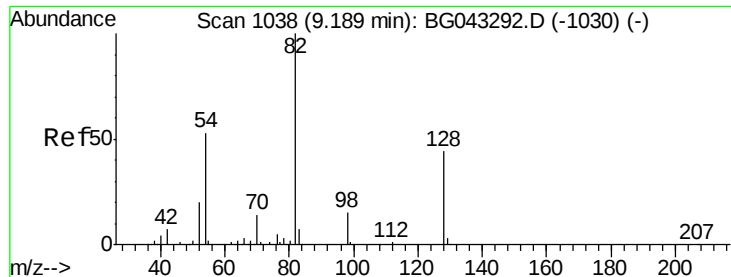
Tot Ion: 70 Resp: 36981
Ion Ratio Lower Upper
70 100
42 40.0 46.2 69.2#
101 0.0 8.6 13.0#
130 2.3 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Tgt Ion: 136 Resp: 159132
Ion Ratio Lower Upper
136 100
137 9.9 8.2 12.2
54 6.6 5.4 8.2
68 3.8 3.3 4.9





#23

Nitrobenzene-d5

Concen: 84.072 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

Instrument :

BNA_G

ClientSampleId :

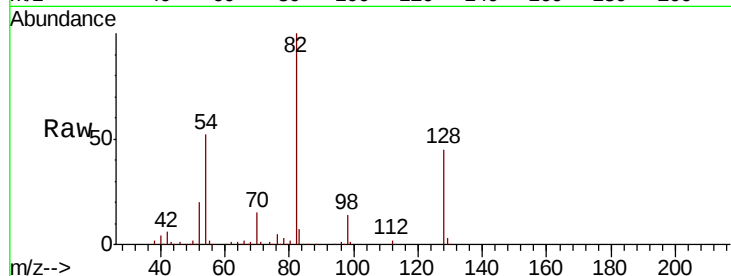
Tot Ion: 82 Resp: 259504

Ion Ratio Lower Upper

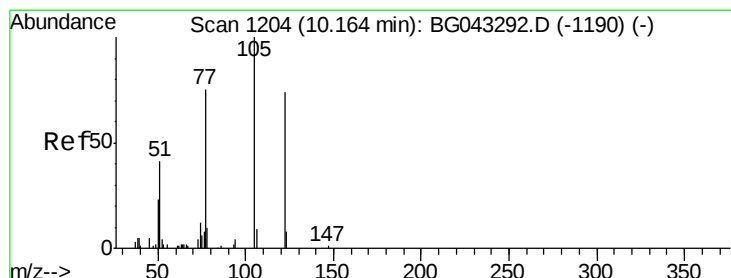
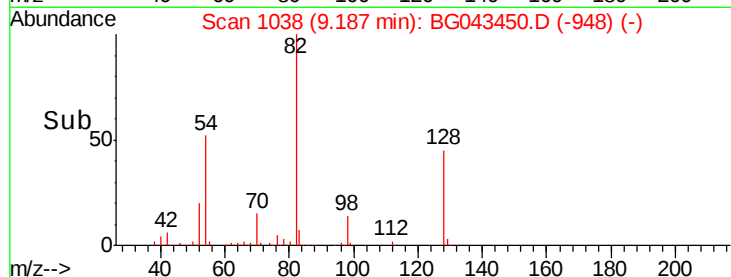
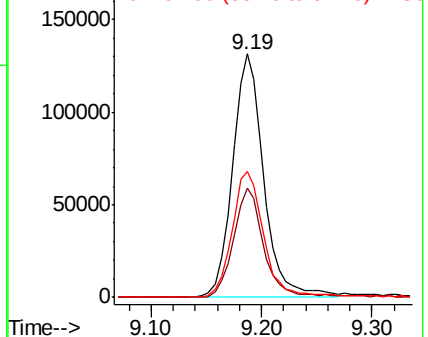
82 100

128 44.6 35.3 52.9

54 51.6 42.3 63.5



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



#32

Benzoic acid

Concen: 9.078 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.06 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

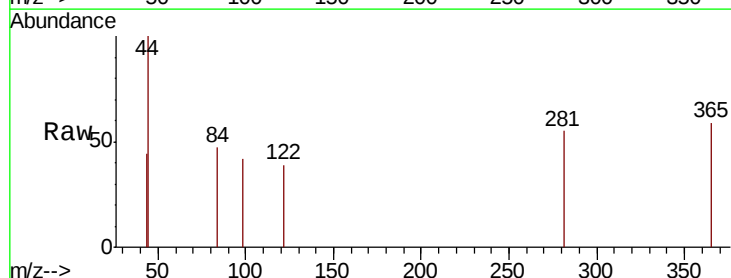
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

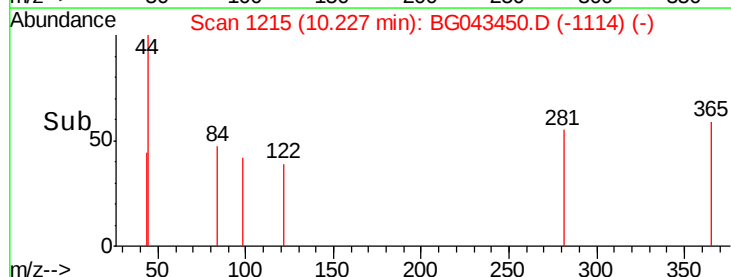
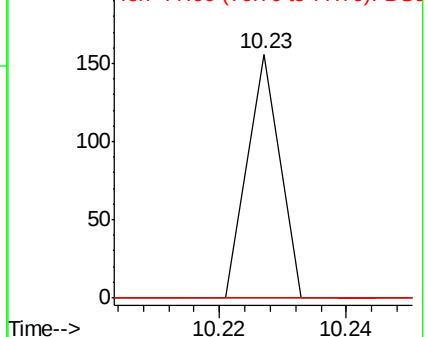
122 100

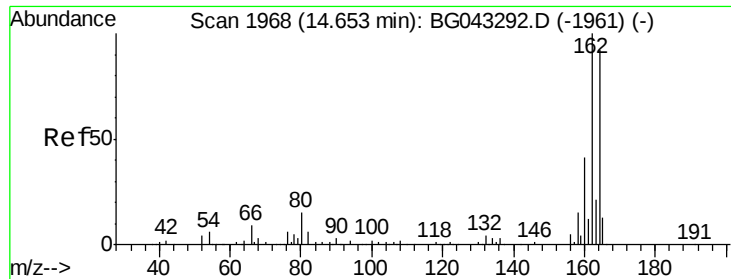
105 0.0 112.4 152.4#

77 0.0 82.7 122.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

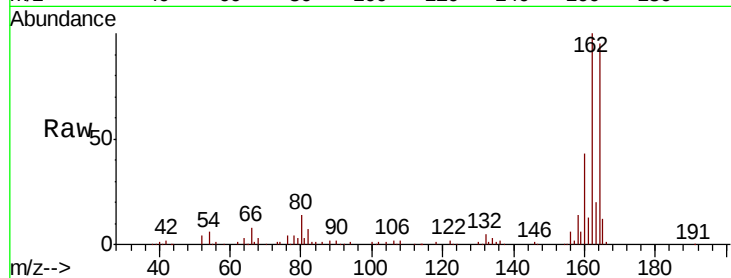




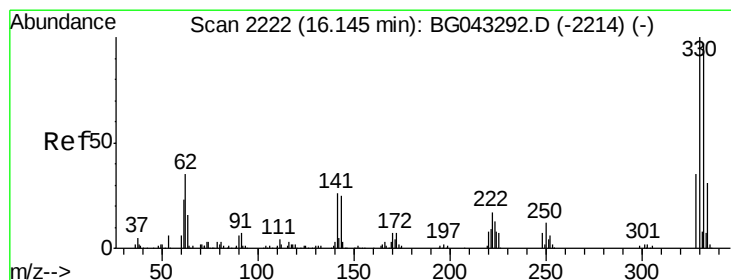
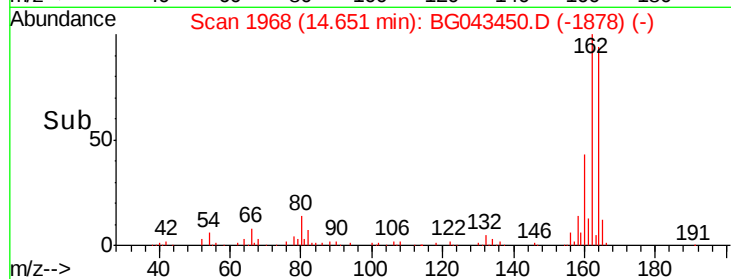
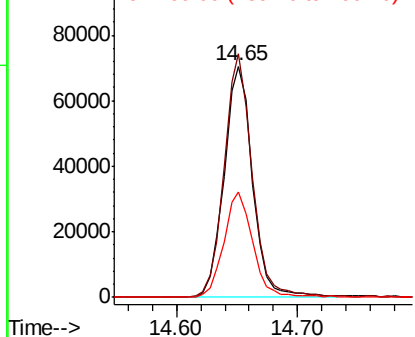
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 115101
Ion Ratio Lower Upper
164 100
162 105.5 87.0 130.4
160 45.6 35.5 53.3

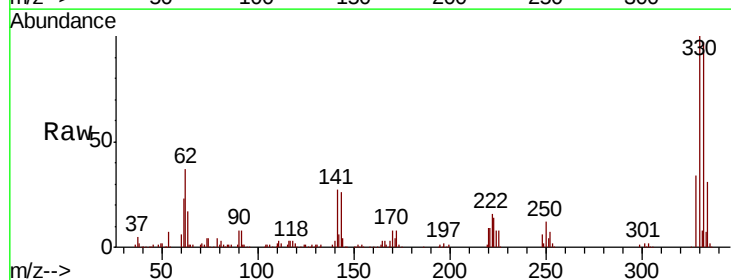


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

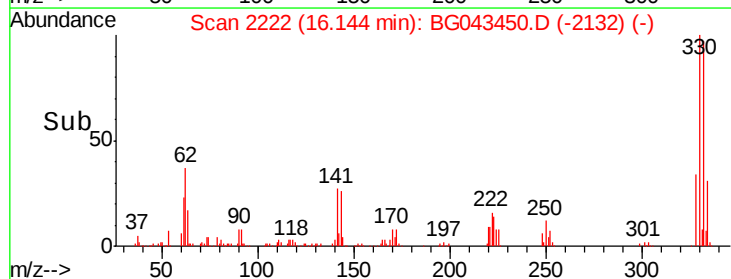
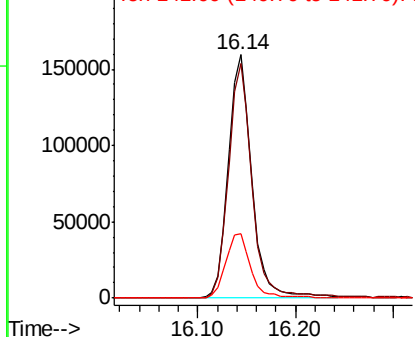


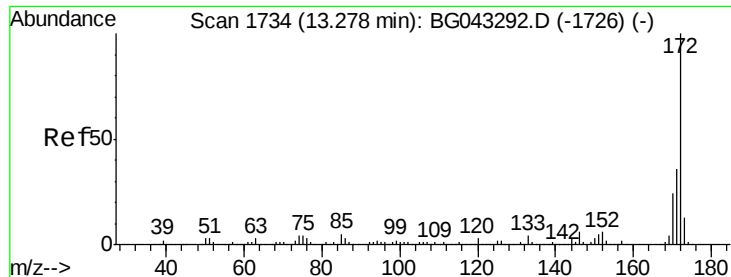
#42
2,4,6-Tribromophenol
Concen: 122.015 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Tgt Ion:330 Resp: 267258
Ion Ratio Lower Upper
330 100
332 96.7 76.4 114.6
141 27.5 21.4 32.0



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

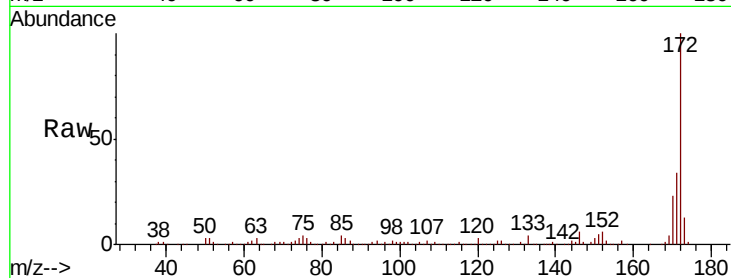




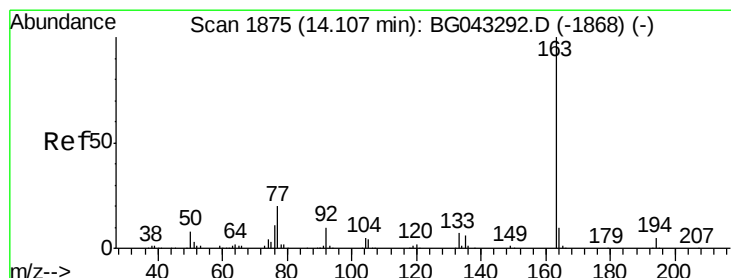
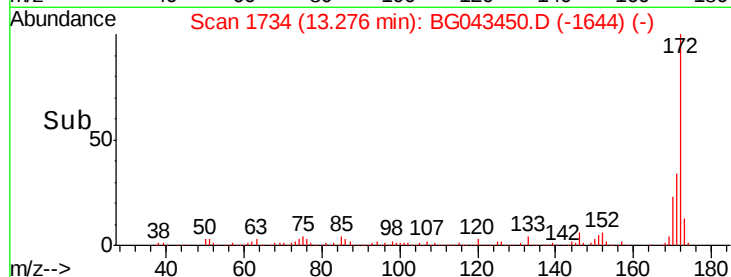
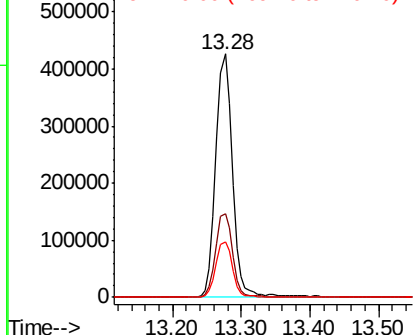
#45
2-Fluorobiphenyl
Concen: 87.381 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 727862
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 22.8 18.8 28.2

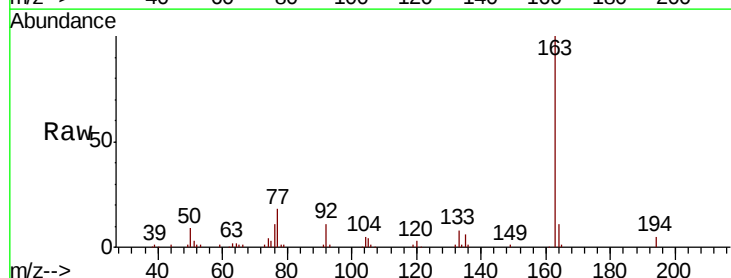


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

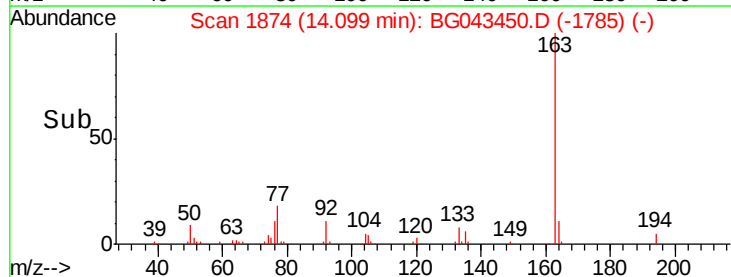
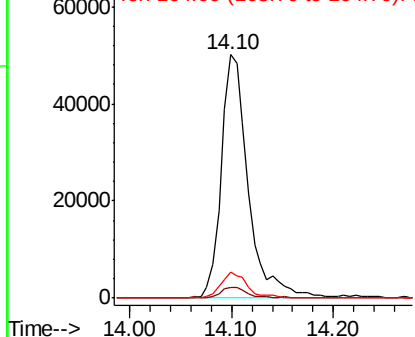


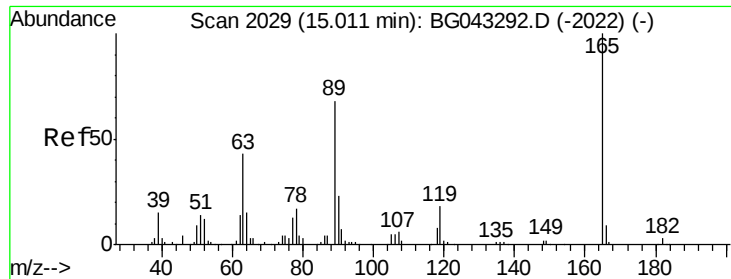
#50
Dimethylphthalate
Concen: 10.376 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Tgt Ion:163 Resp: 92510
Ion Ratio Lower Upper
163 100
194 4.6 3.7 5.5
164 10.7 8.1 12.1



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

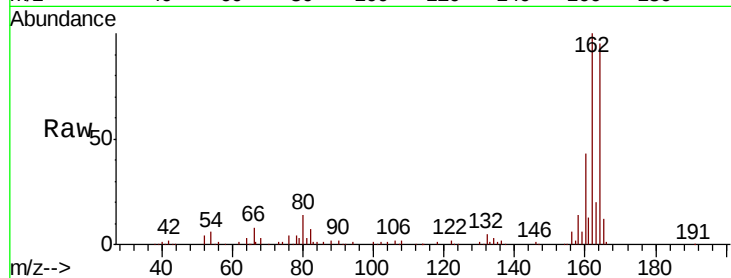




#57
 2,4-Dinitrotoluene
 Concen: 5.785 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043450.D
 Acq: 1 Nov 2019 1:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#

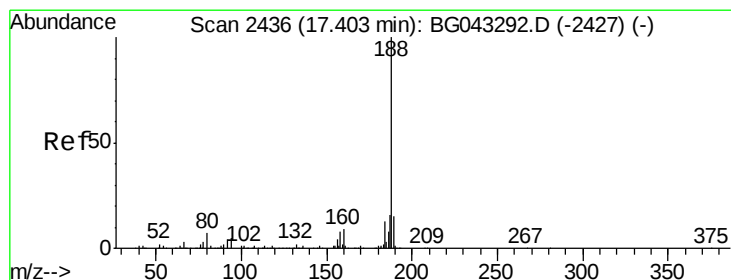
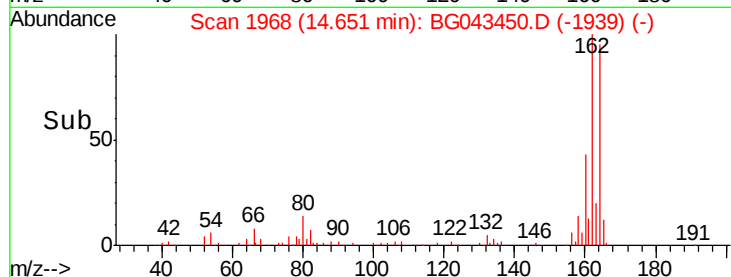
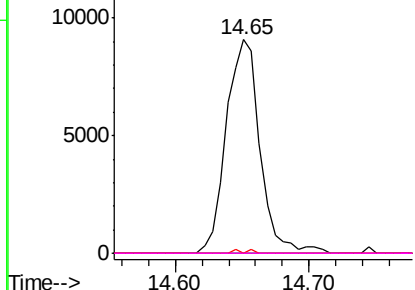


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

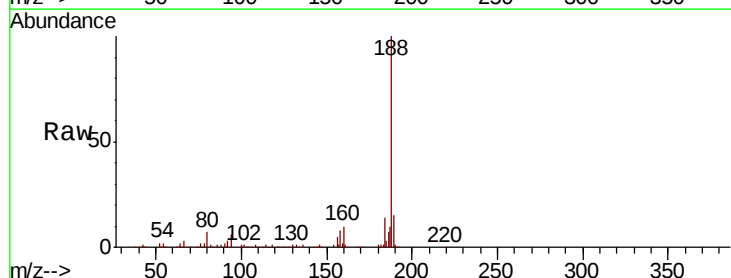
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043450.D
 Acq: 1 Nov 2019 1:31

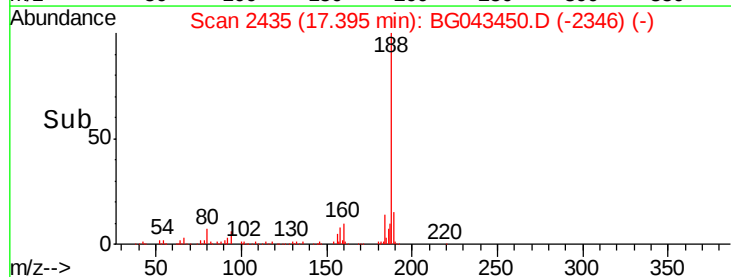
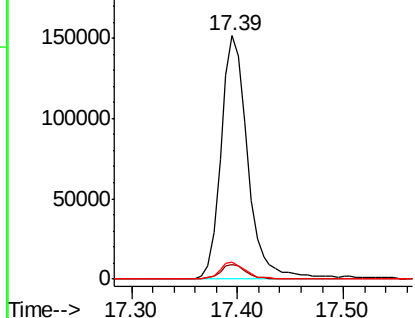
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	4.2	6.2
80	6.8	5.2	7.8

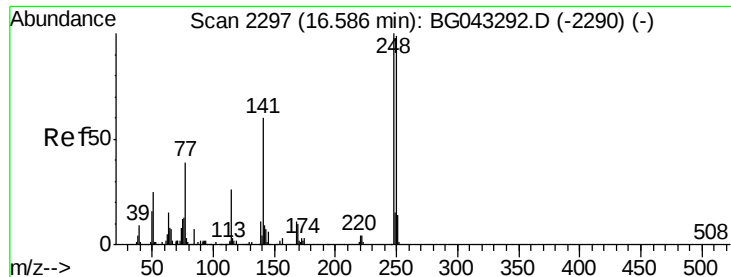


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

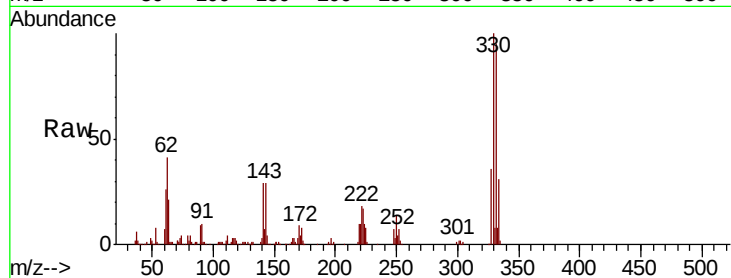




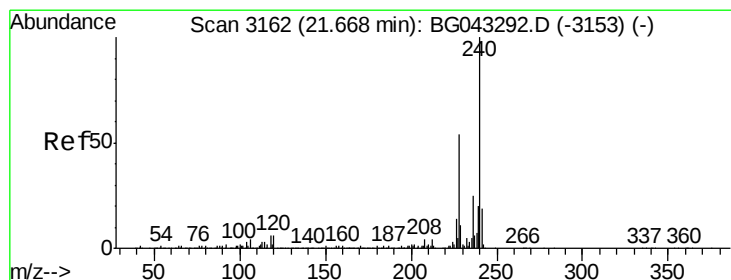
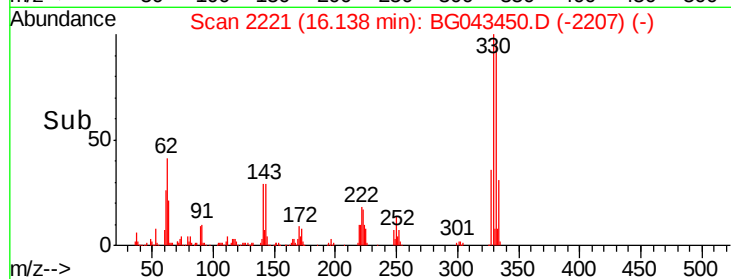
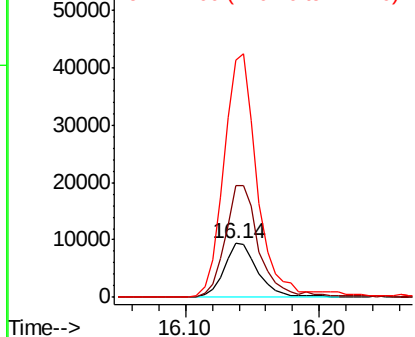
#67
4-Bromophenyl-phenylether
Concen: 4.614 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16568
Ion Ratio Lower Upper
248 100
250 208.2 79.3 118.9#
141 441.3 47.9 71.9#

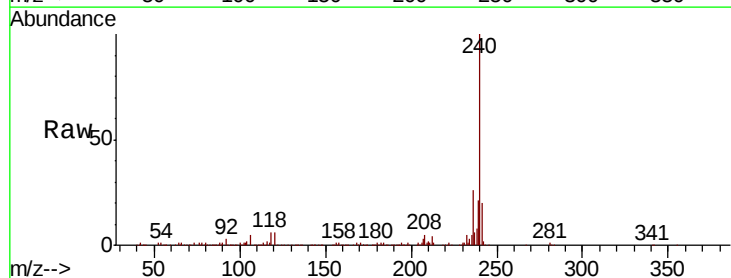


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

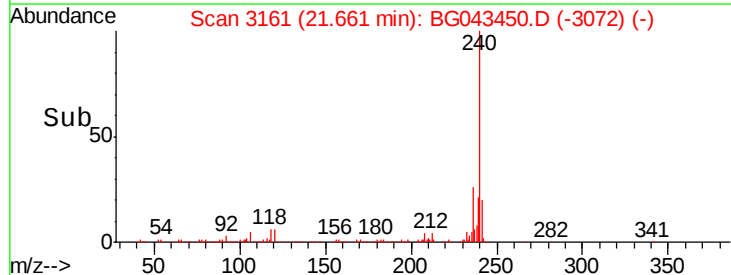
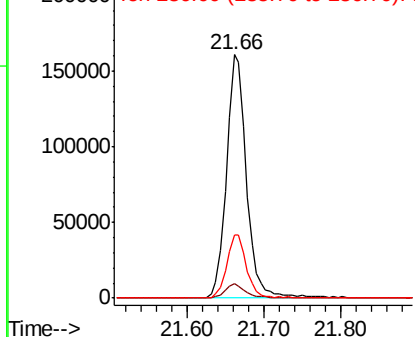


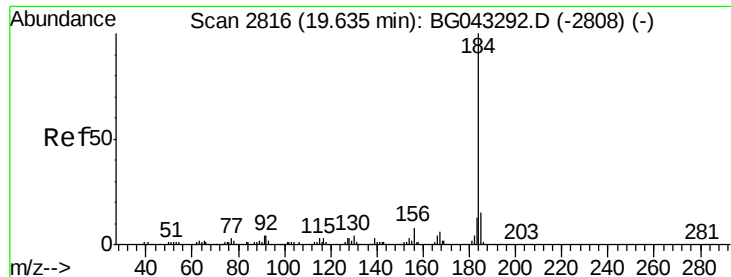
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Tgt Ion:240 Resp: 290717
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 26.1 20.2 30.4



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: 3.610 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

Instrument :

BNA_G

ClientSampleId :

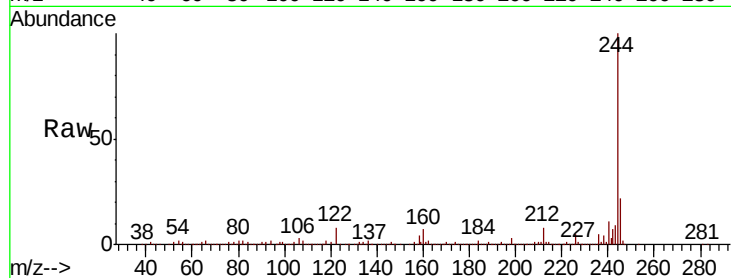
Tot Ion:184 Resp: 21122

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.6

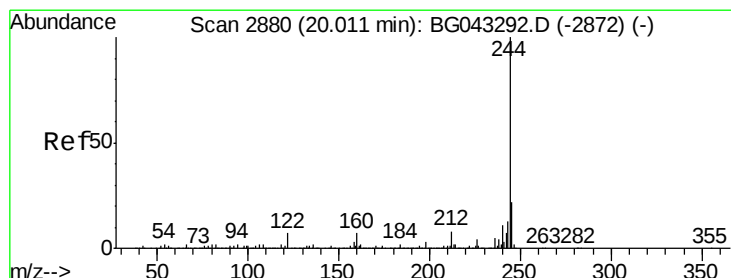
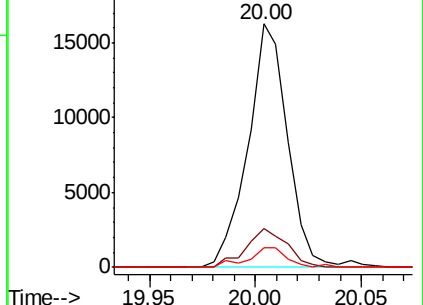
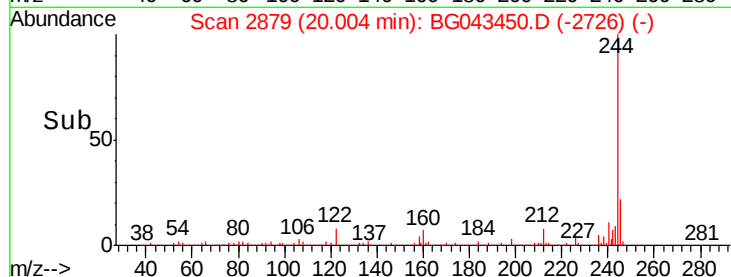
183 7.9 10.6 16.0#



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: 92.096 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043450.D

Acq: 1 Nov 2019 1:31

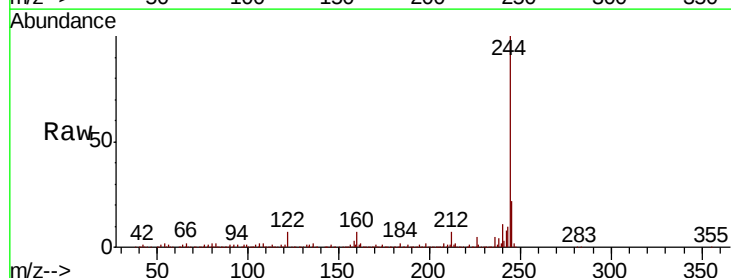
Tgt Ion:244 Resp: 1427131

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

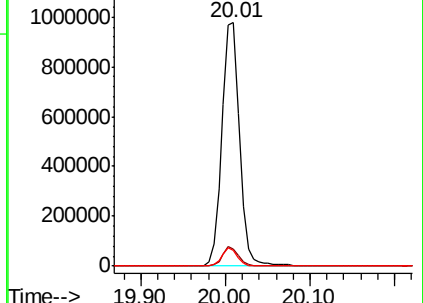
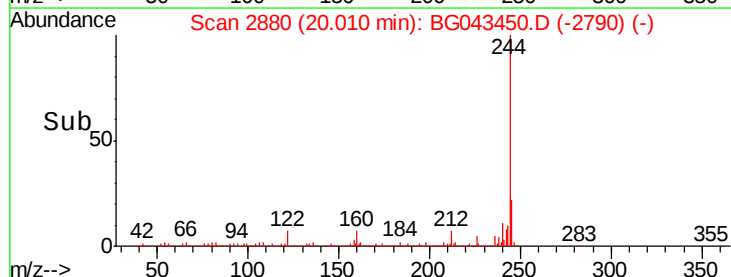
122 6.6 5.3 7.9

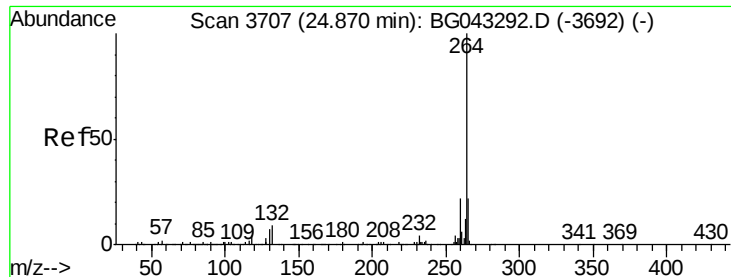


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.87 min Scan# 3707
Delta R.T. -0.00 min
Lab File: BG043450.D
Acq: 1 Nov 2019 1:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.9	26.9
265	22.3	17.4	26.2

