

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043731.D
 Acq On : 20 Nov 2019 17:12
 Operator : JU
 Sample : K5904-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:35:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

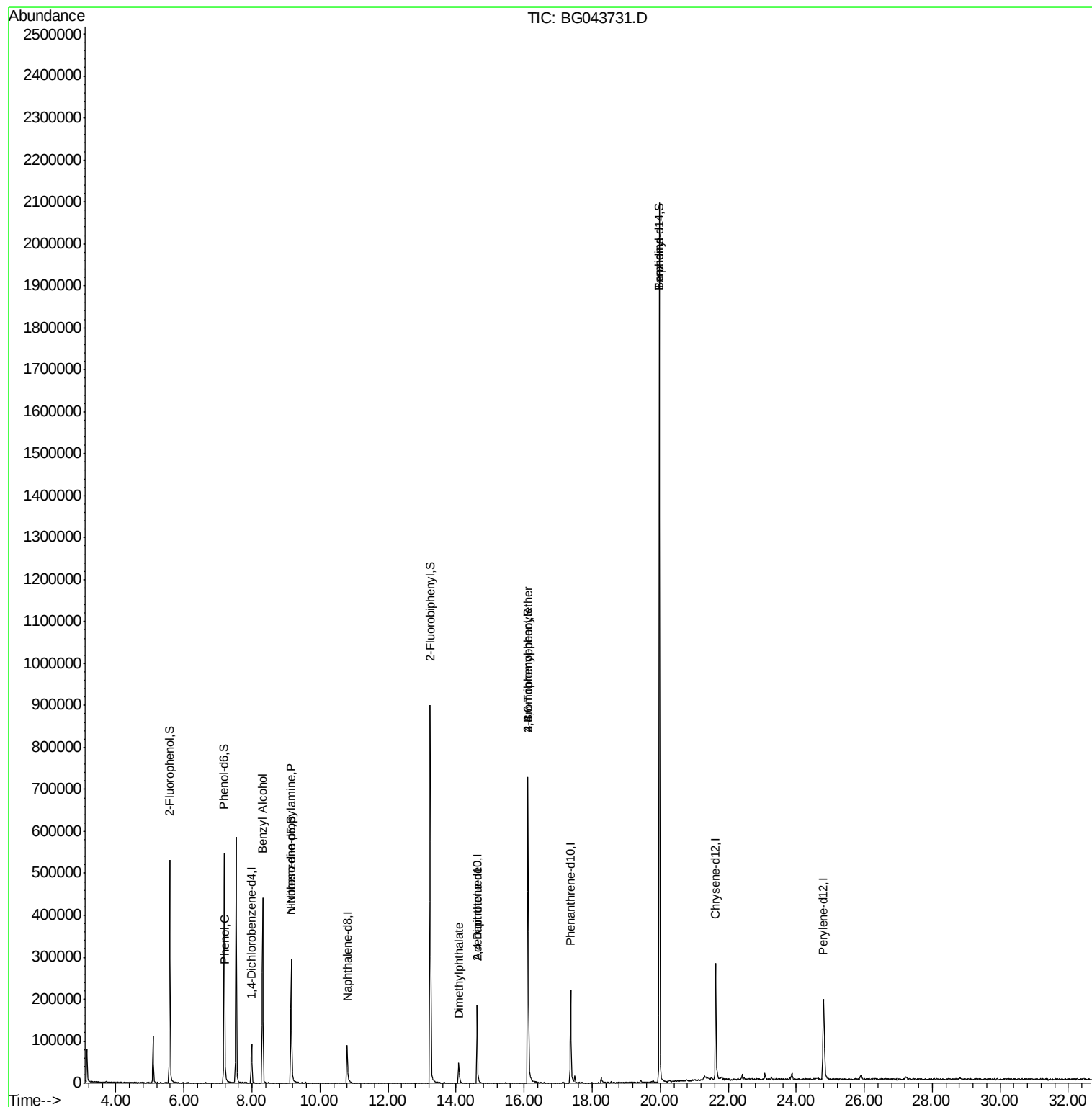
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	26862	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	100377	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	74076	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	186383	20.00	ng	0.00
76) Chrysene-d12	21.63	240	198912	20.00	ng	0.00
87) Perylene-d12	24.81	264	231529	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	241570	164.79	ng	0.00
7) Phenol-d6	7.18	99	336906	159.74	ng	0.00
23) Nitrobenzene-d5	9.15	82	201484	103.48	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	190252	134.96	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	555216	103.57	ng	0.00
79) Terphenyl-d14	19.98	244	1137229	107.26	ng	0.00
Target Compounds						
10) Phenol	7.21	94	13366	6.935	ng	# 69
15) Benzyl Alcohol	8.31	79	3826	2.583	ng	# 41
19) n-Nitroso-di-n-propylamine	9.16	70	27117	19.897	ng	# 71
50) Dimethylphthalate	14.08	163	49859	8.690	ng	# 93
57) 2,4-Dinitrotoluene	14.62	165	10274	5.767	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	12077	4.815	ng	# 1
77) Benzidine	19.98	184	17517	4.376	ng	# 94

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

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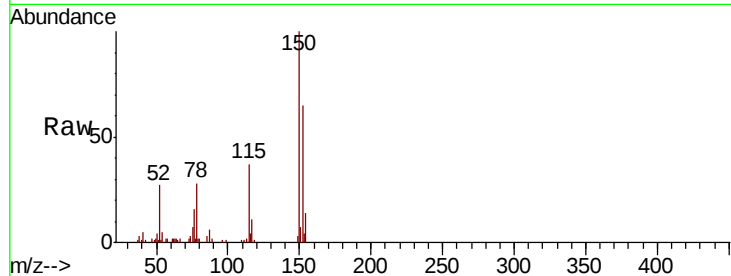


#1

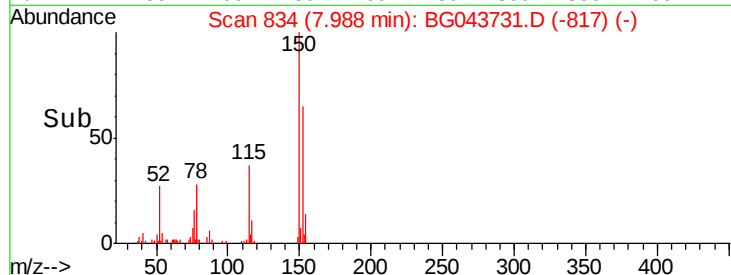
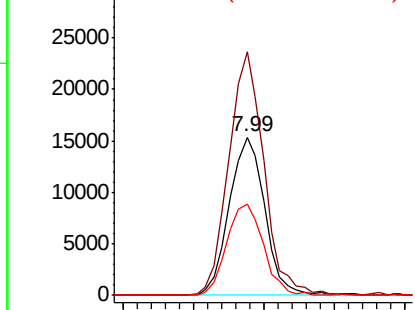
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043731.D
Acq: 20 Nov 2019 17:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26862
Ion Ratio Lower Upper
152 100
150 154.2 116.6 175.0
115 57.5 40.5 60.7



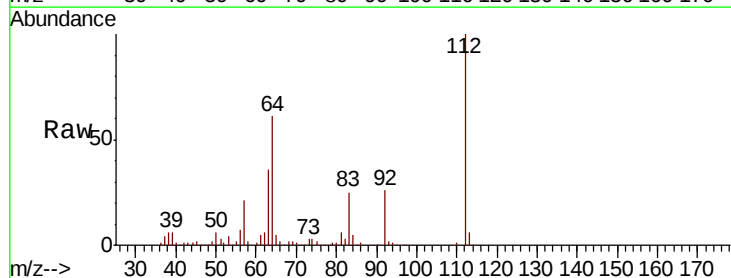
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



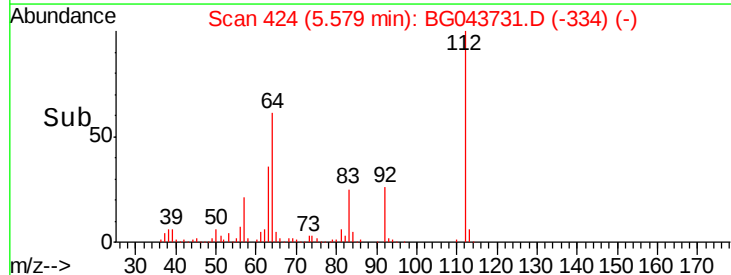
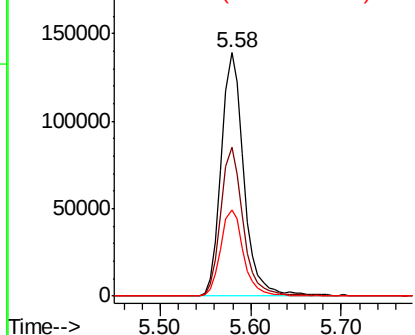
#5

2-Fluorophenol
Concen: 164.792 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043731.D
Acq: 20 Nov 2019 17:12

Tgt Ion:112 Resp: 241570
Ion Ratio Lower Upper
112 100
64 61.1 50.6 75.8
63 35.5 30.5 45.7



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: 159.739 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Instrument :

BNA_G

ClientSampled :

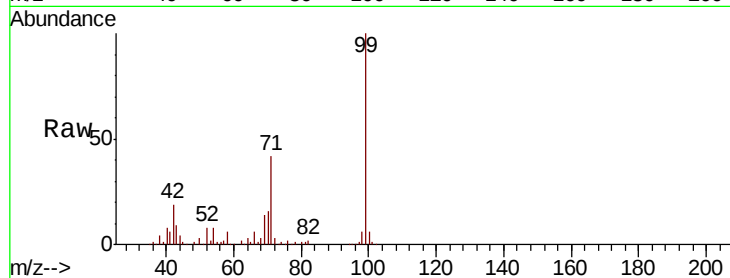
Tot Ion: 99 Resp: 336906

Ion Ratio Lower Upper

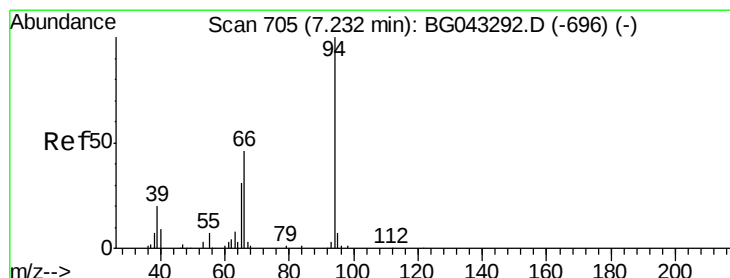
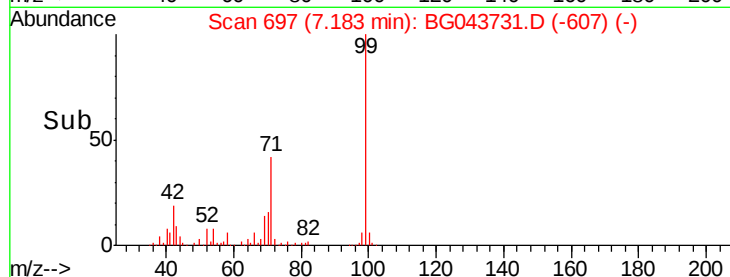
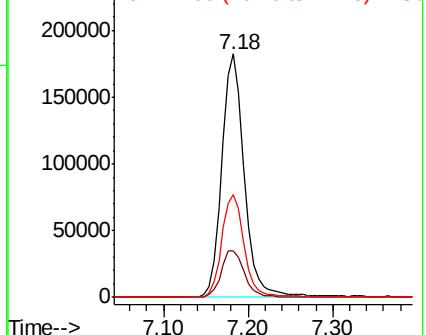
99 100

42 19.1 15.8 23.8

71 42.0 34.4 51.6



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: 6.935 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

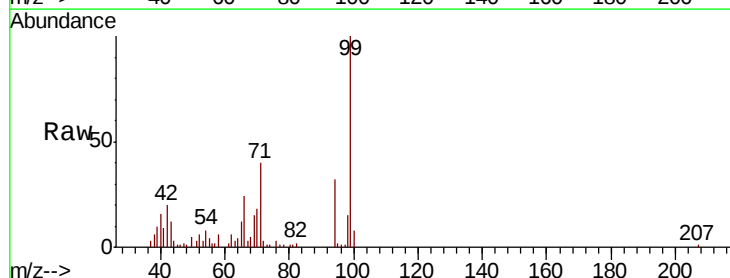
Tgt Ion: 94 Resp: 13366

Ion Ratio Lower Upper

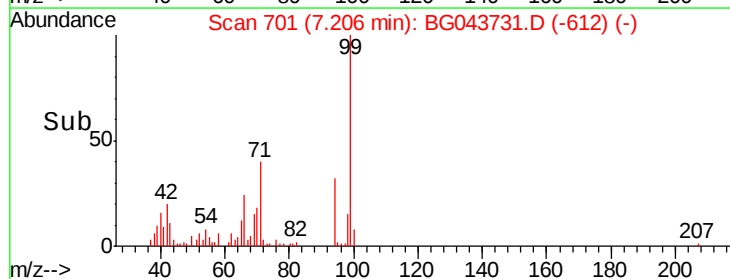
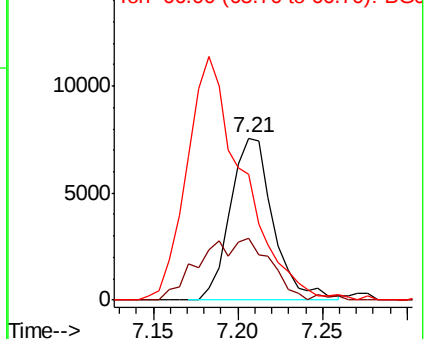
94 100

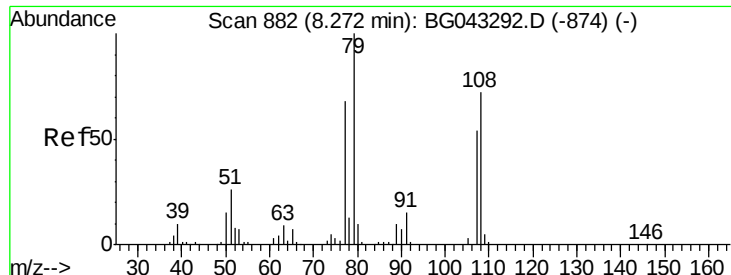
65 38.4 11.4 51.4

66 77.4 28.4 68.4#



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: 2.583 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Instrument :

BNA_G

ClientSampleId :

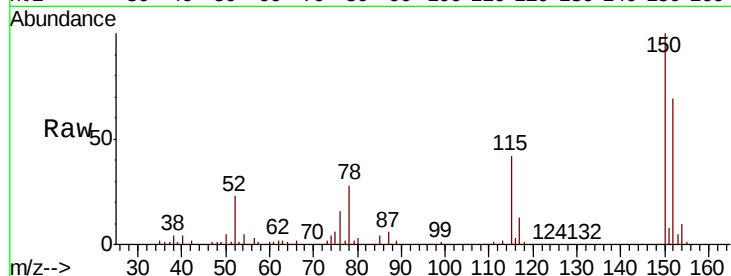
Tot Ion: 79 Resp: 3826

Ion Ratio Lower Upper

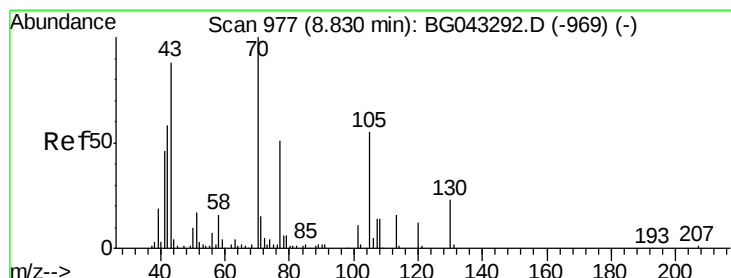
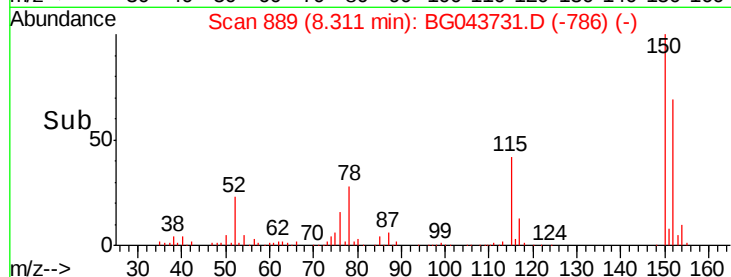
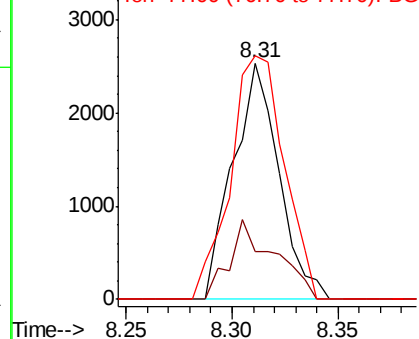
79 100

108 20.0 56.0 84.0#

77 103.0 47.9 71.9#



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: 19.897 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.36 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Tgt Ion: 70 Resp: 27117

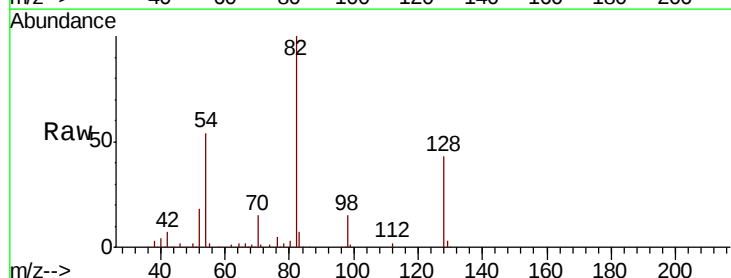
Ion Ratio Lower Upper

70 100

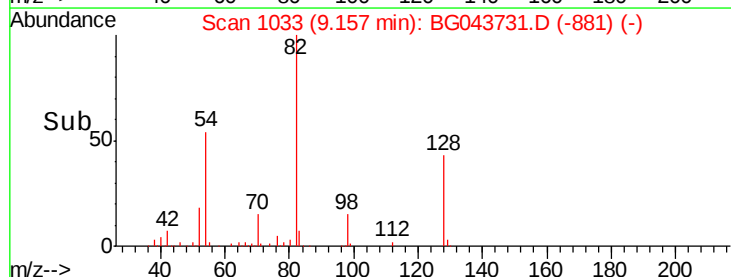
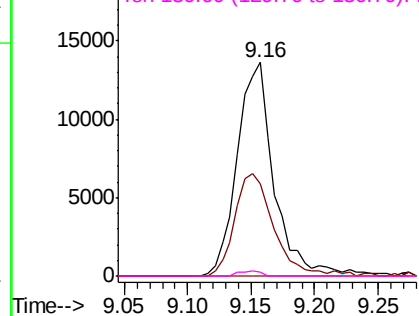
42 43.2 49.7 74.5#

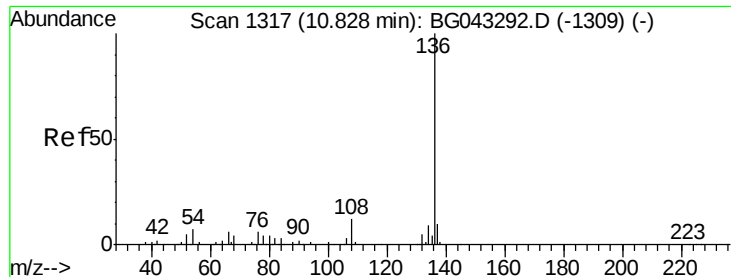
101 0.0 9.7 14.5#

130 1.8 17.7 26.5#



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: 10.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 100377

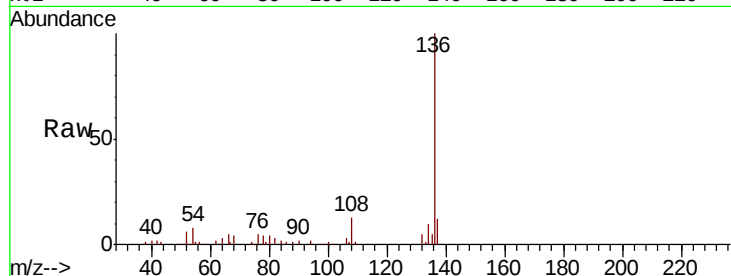
Ion Ratio Lower Upper

136 100

137 12.3 8.8 13.2

54 7.8 6.2 9.2

68 3.7 3.4 5.0

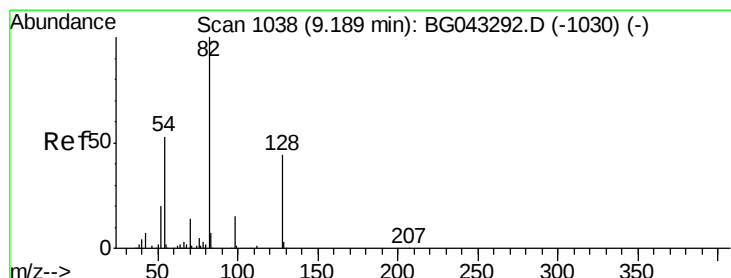
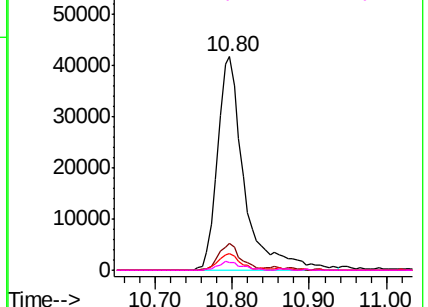
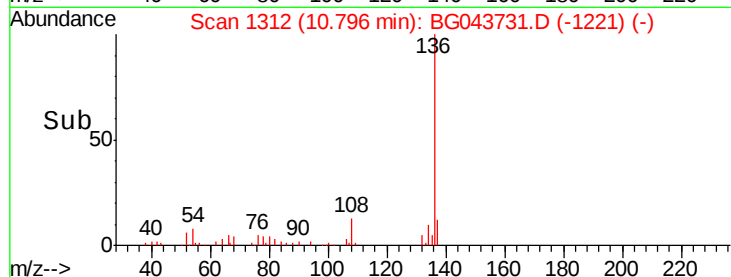


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.484 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

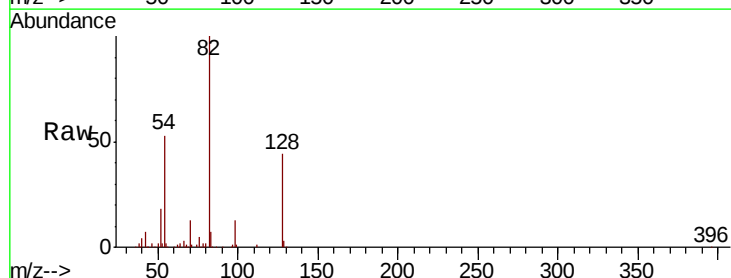
Tgt Ion: 82 Resp: 201484

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.4

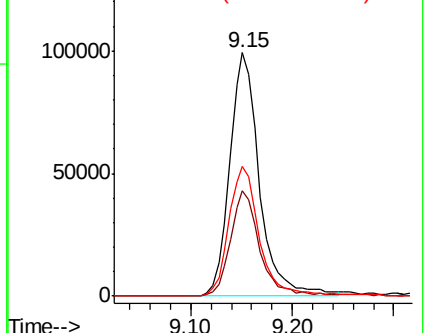
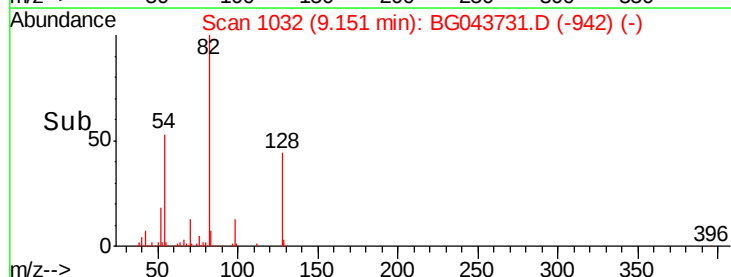
54 53.5 44.7 67.1

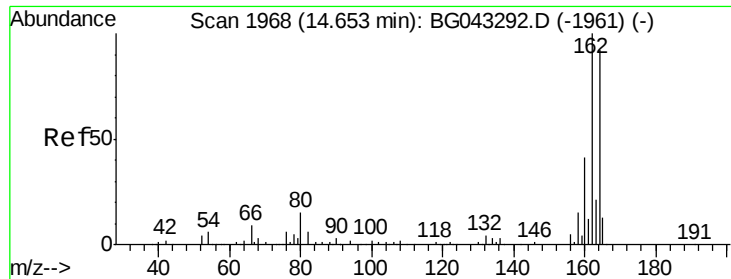


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Instrument :

BNA_G

ClientSampleId :

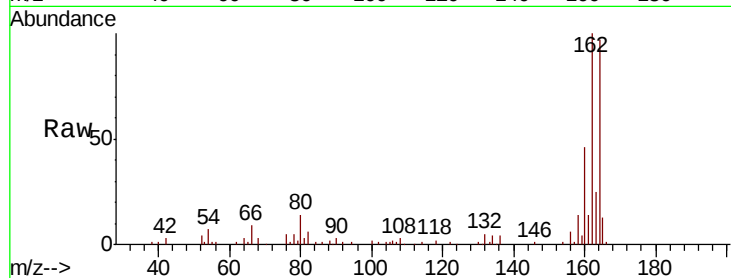
Tot Ion:164 Resp: 74076

Ion Ratio Lower Upper

164 100

162 103.3 79.4 119.2

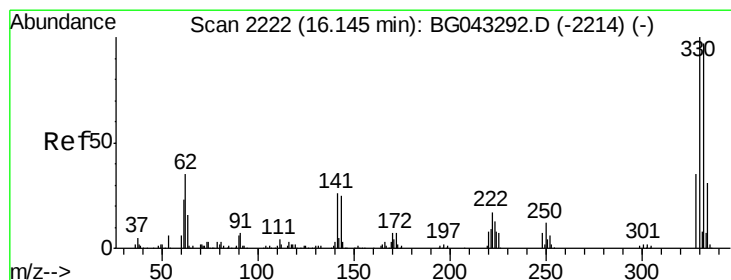
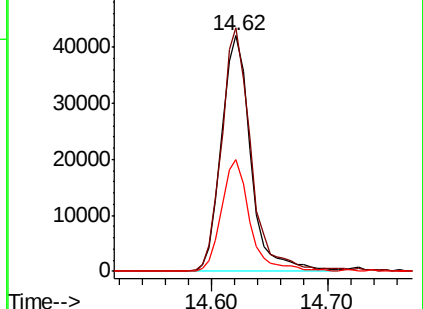
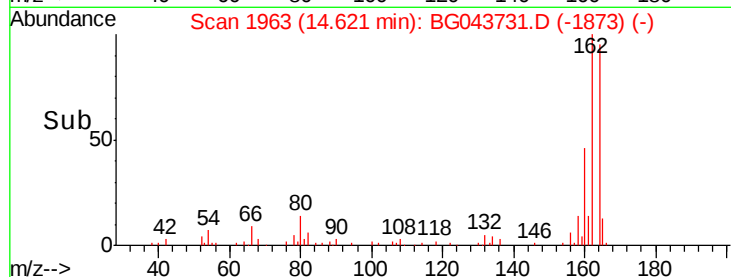
160 47.6 36.3 54.5



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: 134.962 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

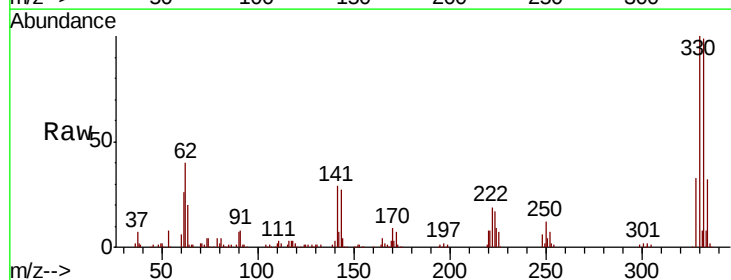
Tgt Ion:330 Resp: 190252

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

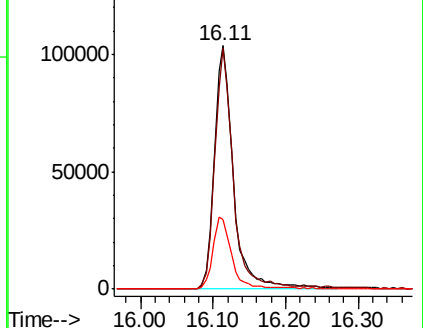
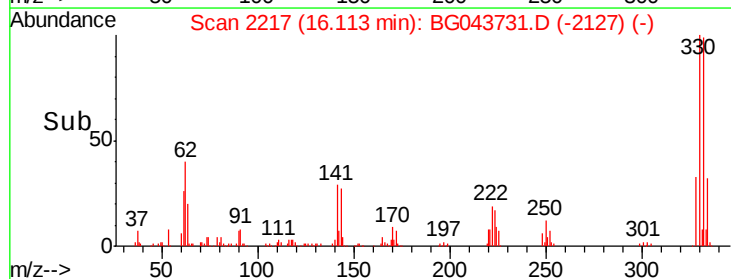
141 29.2 23.4 35.2

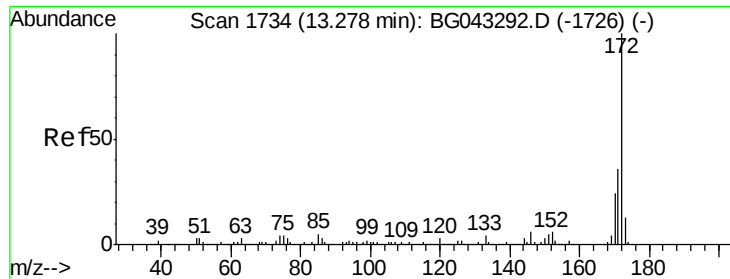


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

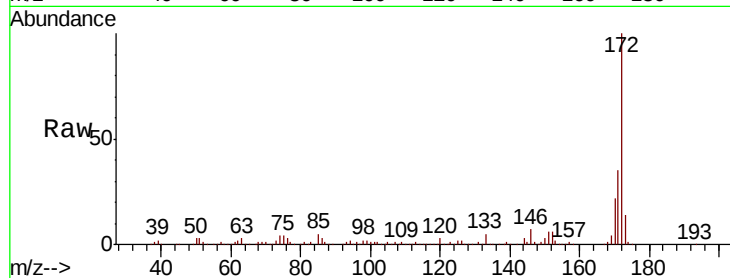




#45
 2-Fluorobiphenyl
 Concen: 103.569 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	22.0	18.8	28.2

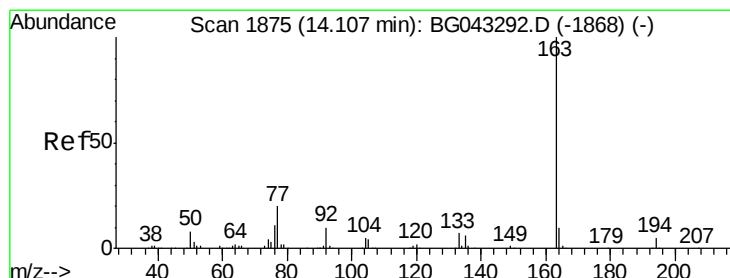
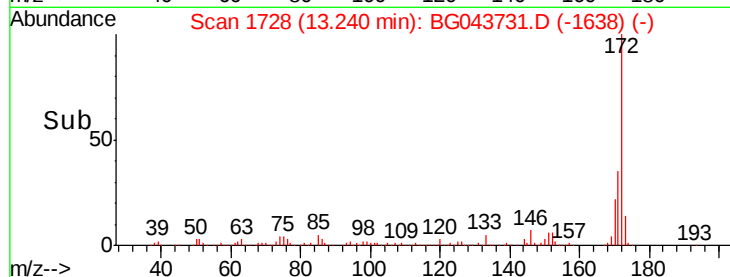
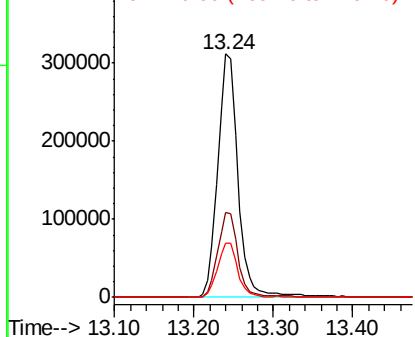


Abundance

Ion 172.00 (171.70 to 172.70): E

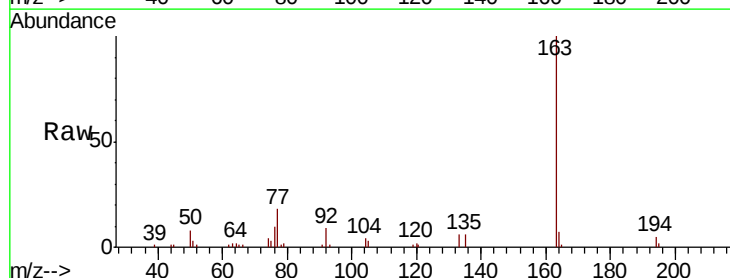
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 8.690 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.8	5.8
164	6.9	8.5	12.7#

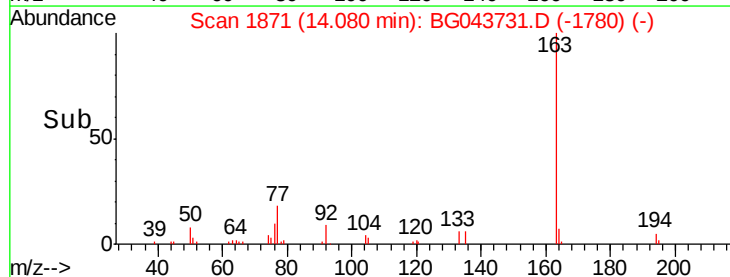
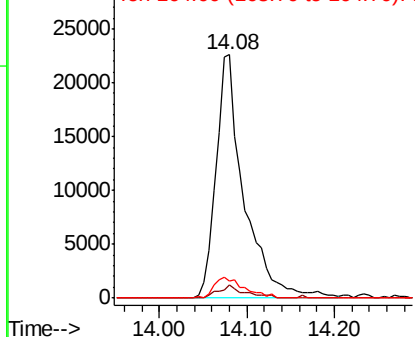


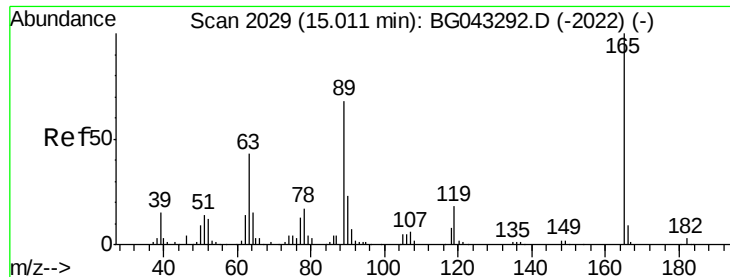
Abundance

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

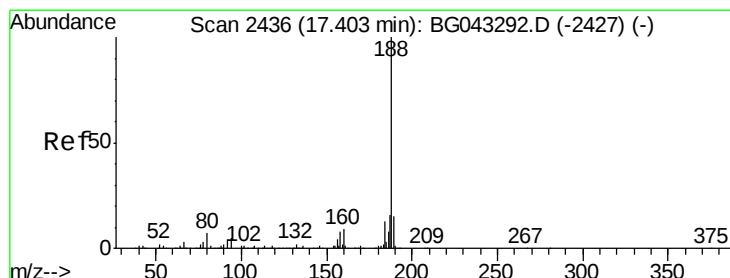
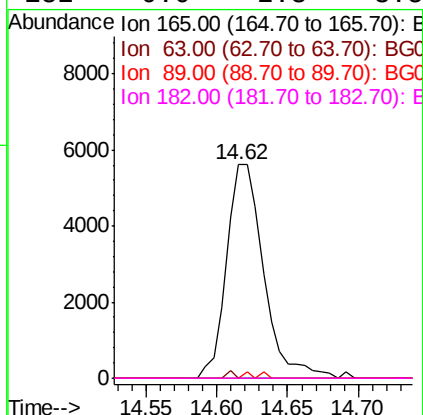
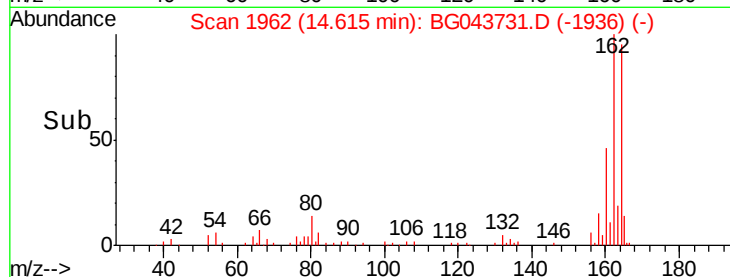
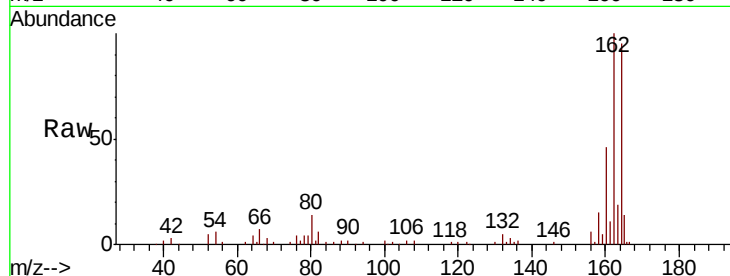




#57
 2,4-Dinitrotoluene
 Concen: 5.767 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.38 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

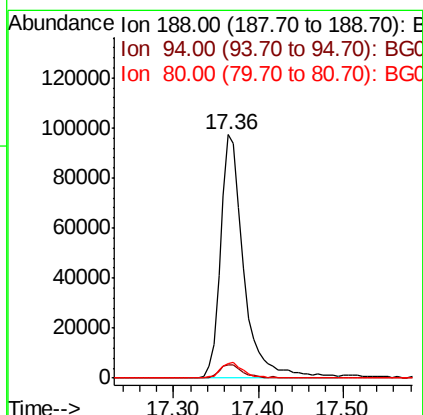
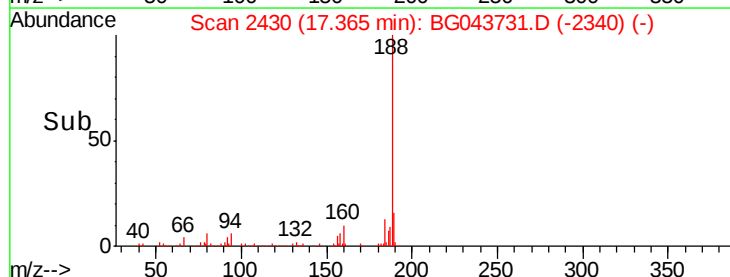
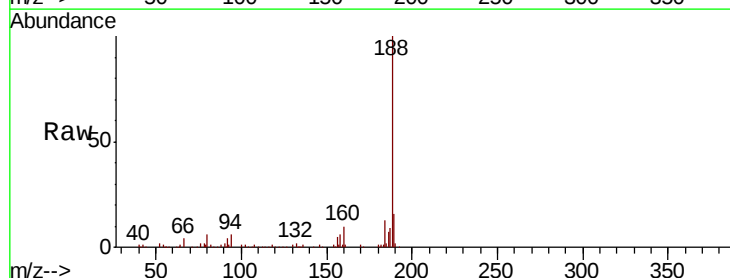
Instrument :
 BNA_G
 ClientSampleId :

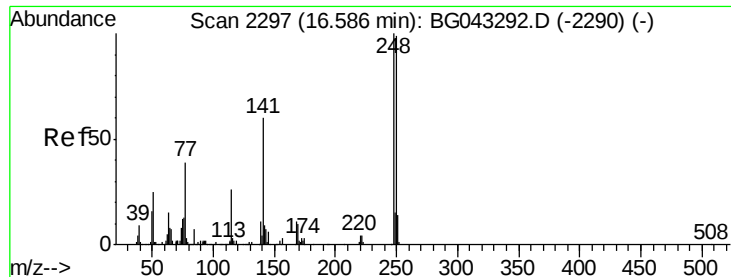
Tot Ion:165	Resp: 10274
Ion Ratio	Lower Upper
165 100	
63 0.0	37.4 56.0#
89 0.0	50.9 76.3#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Tgt Ion	188	Resp: Lower	186383 Upper
	Ratio 100		
	94	5.6	4.6 7.0
	80	5.9	5.2 7.8

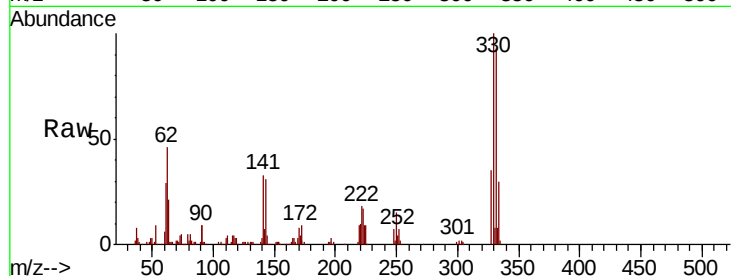




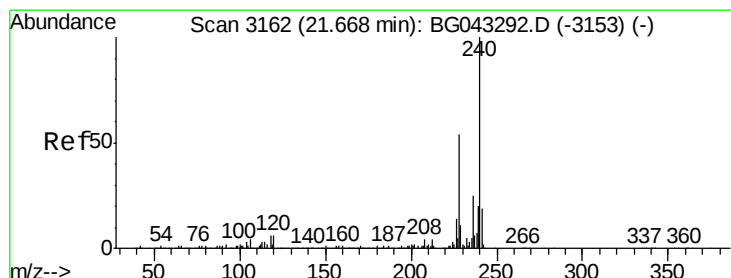
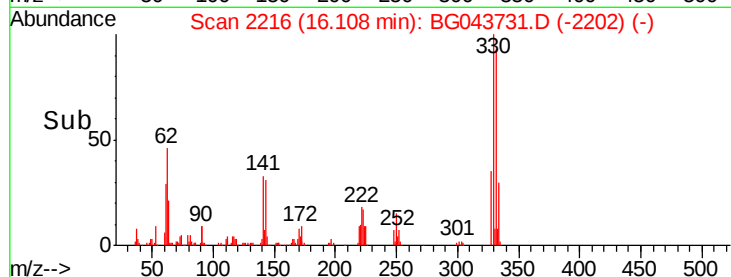
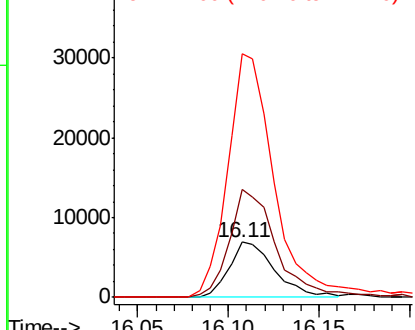
#67
 4-Bromophenyl-phenylether
 Concen: 4.815 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.45 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12077
 Ion Ratio Lower Upper
 248 100
 250 196.2 76.3 114.5#
 141 441.4 49.5 74.3#

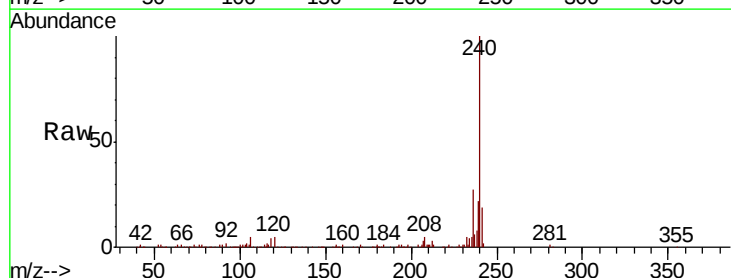


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

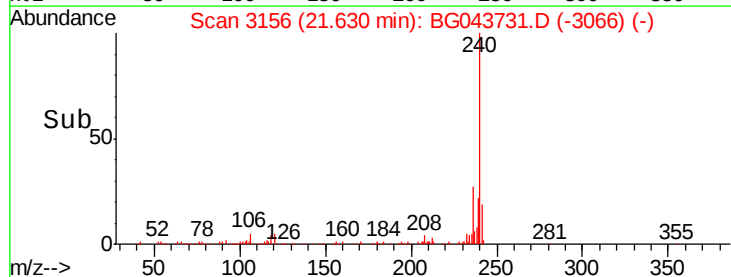
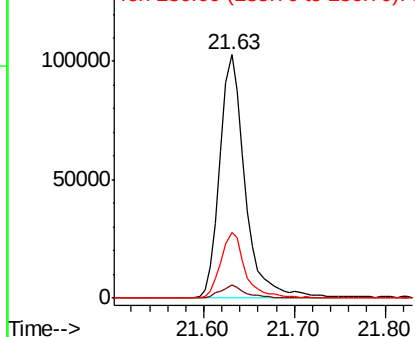


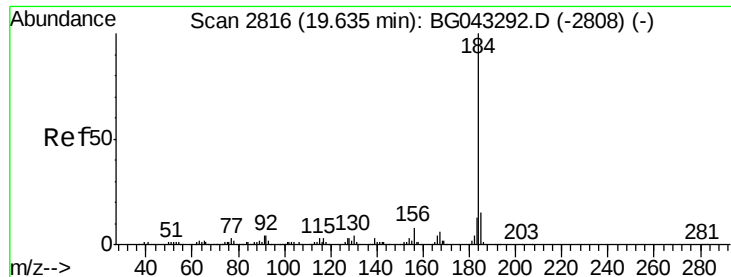
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Tgt Ion:240 Resp: 198912
 Ion Ratio Lower Upper
 240 100
 120 5.2 4.9 7.3
 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: 4.376 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.37 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

Instrument :

BNA_G

ClientSampleId :

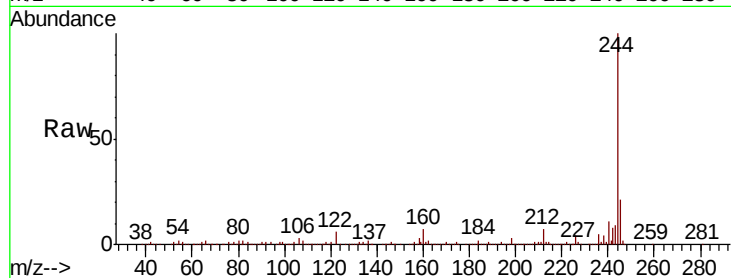
Tot Ion:184 Resp: 17517

Ion Ratio Lower Upper

184 100

185 17.7 12.7 19.1

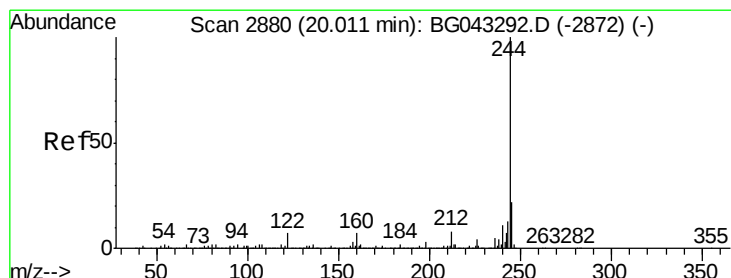
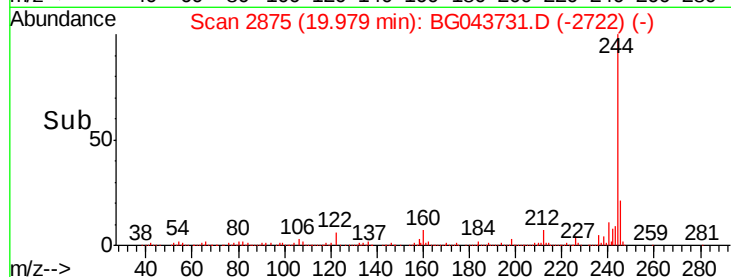
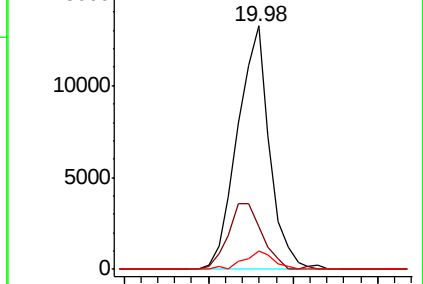
183 7.8 8.8 13.2#



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: 107.259 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043731.D

Acq: 20 Nov 2019 17:12

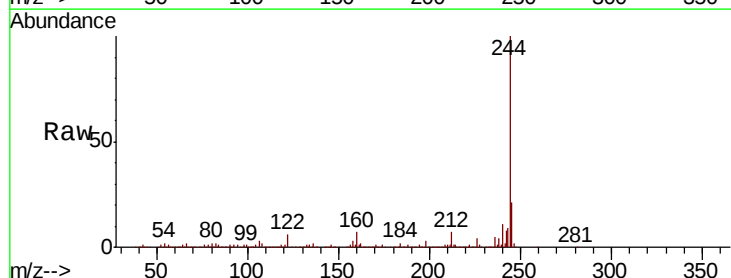
Tgt Ion:244 Resp: 1137229

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

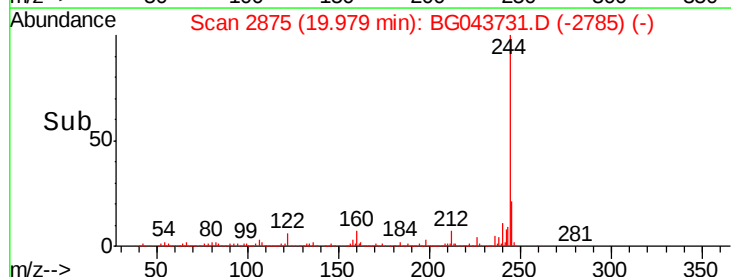
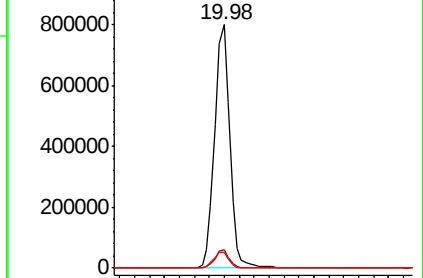
122 6.4 5.2 7.8

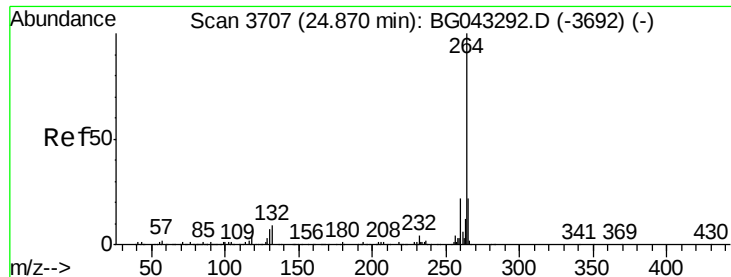


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.81 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: BG043731.D
 Acq: 20 Nov 2019 17:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.2	18.4	27.6
265	19.9	15.8	23.8

