

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043733.D
 Acq On : 20 Nov 2019 18:30
 Operator : JU
 Sample : K5904-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:35:54 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

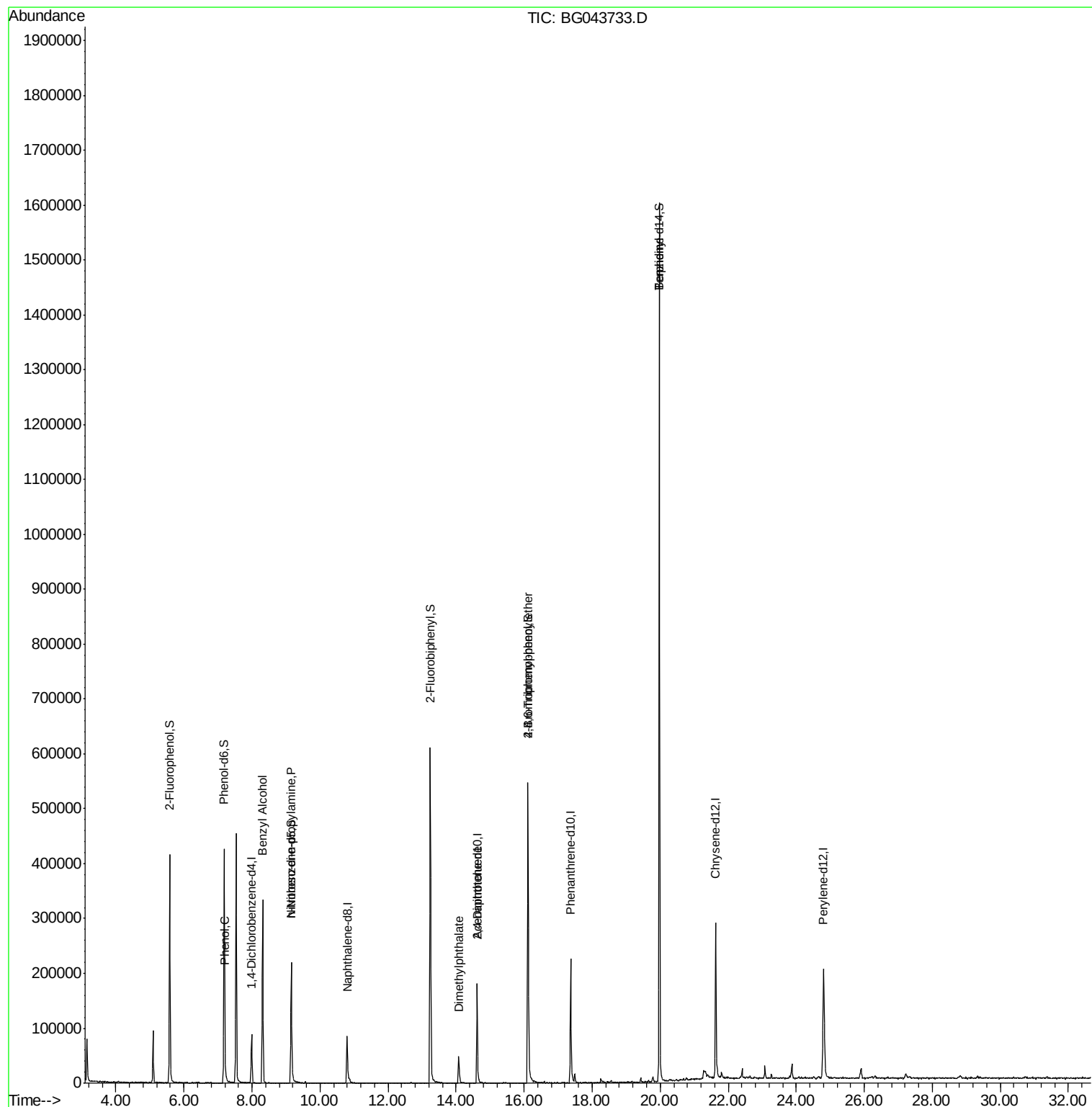
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27229	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	96705	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	73830	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	184101	20.00	ng	0.00
76) Chrysene-d12	21.63	240	202890	20.00	ng	0.00
87) Perylene-d12	24.80	264	231437	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	194585	130.95	ng	0.00
7) Phenol-d6	7.18	99	271316	126.91	ng	0.00
23) Nitrobenzene-d5	9.15	82	155030	82.65	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	144168	102.61	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	385372	72.13	ng	0.00
79) Terphenyl-d14	19.97	244	871016	80.54	ng	0.00
Target Compounds						
10) Phenol	7.21	94	11364	5.817	ng	# 74
15) Benzyl Alcohol	8.31	79	3225	2.148	ng	# 54
19) n-Nitroso-di-n-propylamine	9.15	70	21282	15.405	ng	# 71
50) Dimethylphthalate	14.07	163	47498	8.306	ng	# 99
57) 2,4-Dinitrotoluene	14.62	165	9839	5.542	ng	# 27
67) 4-Bromophenyl-phenylether	16.11	248	9134	3.687	ng	# 1
77) Benzidine	19.97	184	12404	3.038	ng	# 7

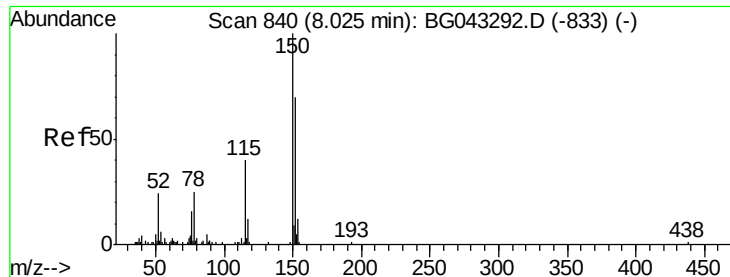
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 00:35:54 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



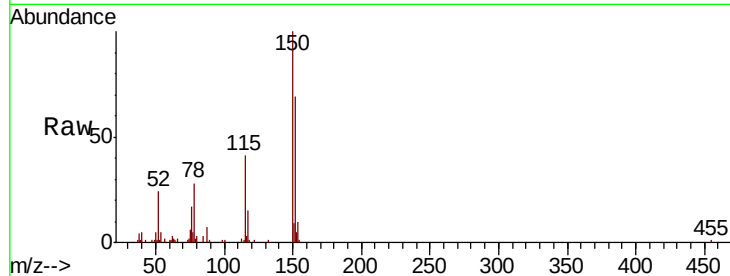


#1

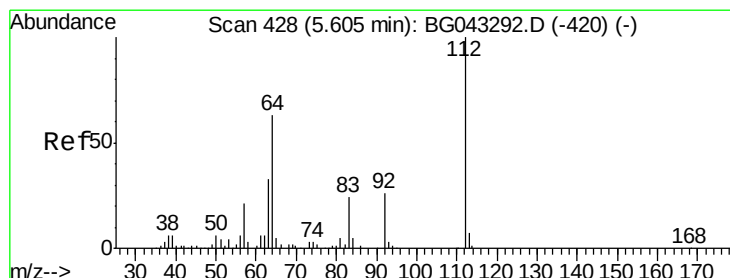
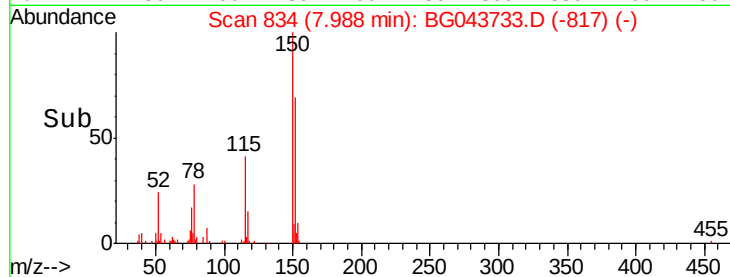
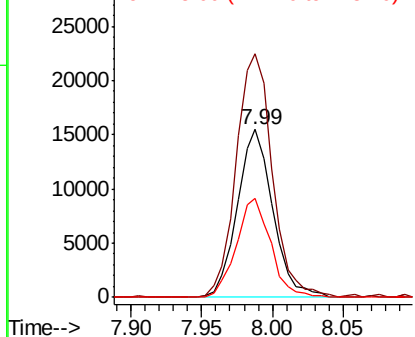
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043733.D
Acq: 20 Nov 2019 18:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27229
Ion Ratio Lower Upper
152 100
150 145.0 116.6 175.0
115 59.2 40.5 60.7



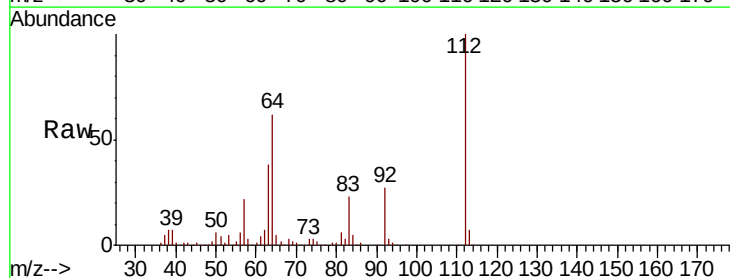
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



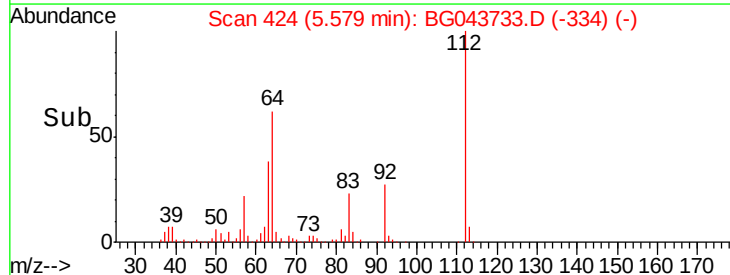
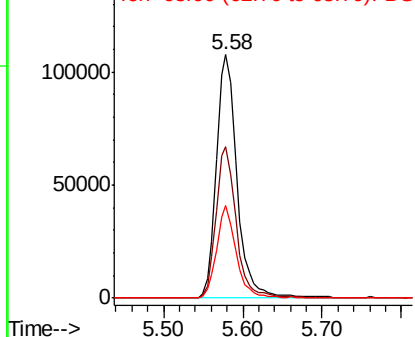
#5

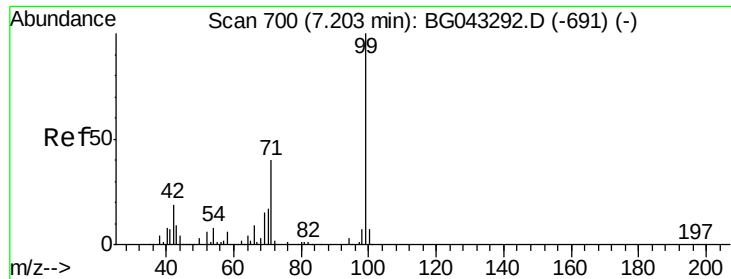
2-Fluorophenol
Concen: 130.951 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043733.D
Acq: 20 Nov 2019 18:30

Tgt Ion:112 Resp: 194585
Ion Ratio Lower Upper
112 100
64 62.2 50.6 75.8
63 38.3 30.5 45.7



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: 126.907 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

Instrument :

BNA_G

ClientSampleId :

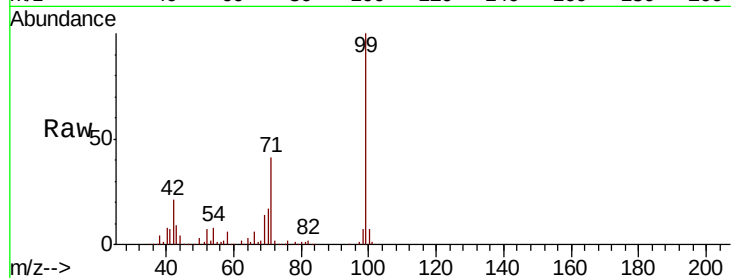
Tot Ion: 99 Resp: 271316

Ion Ratio Lower Upper

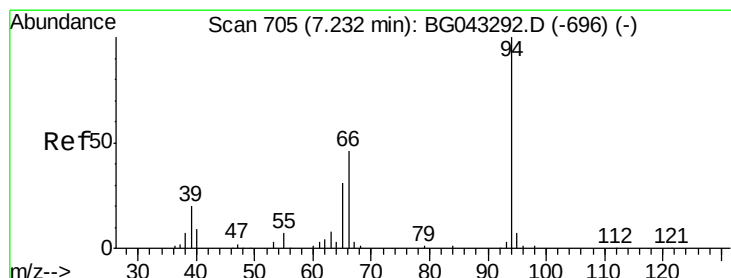
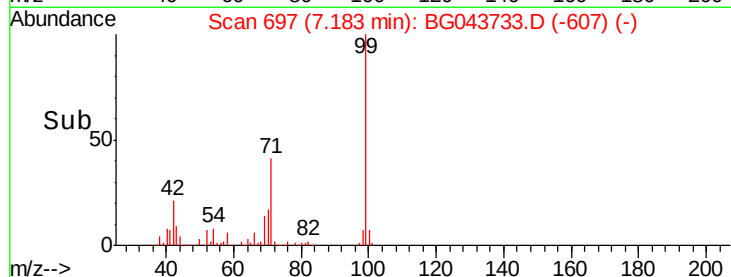
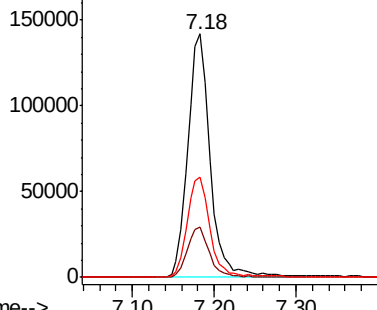
99 100

42 20.6 15.8 23.8

71 40.9 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: 5.817 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

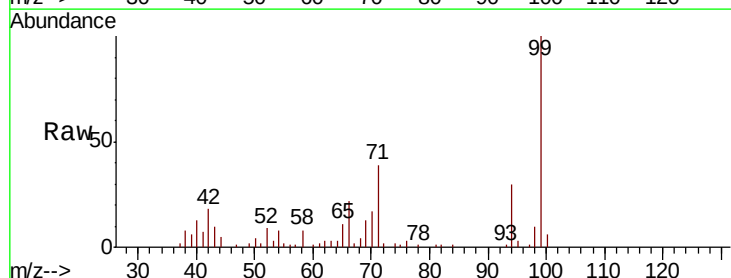
Tgt Ion: 94 Resp: 11364

Ion Ratio Lower Upper

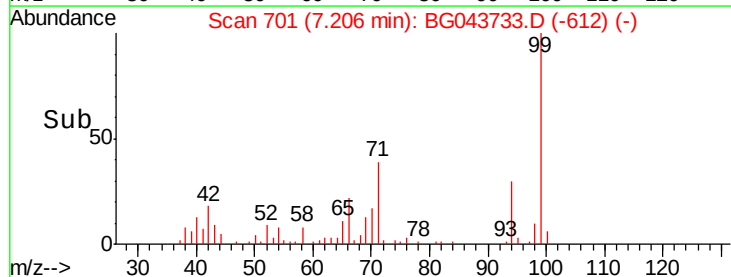
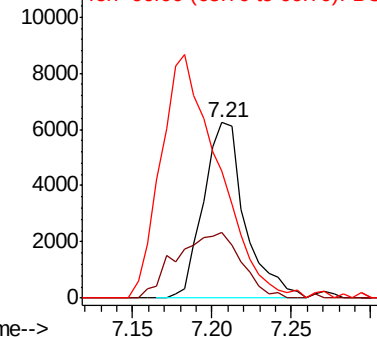
94 100

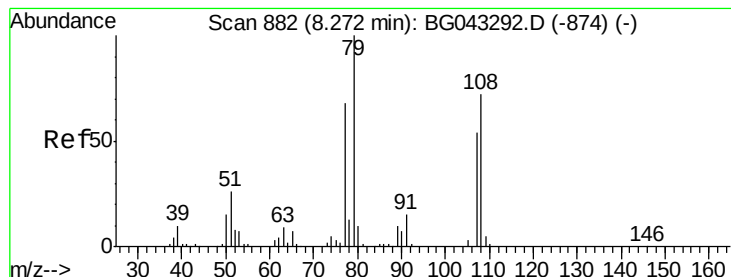
65 37.7 11.4 51.4

66 72.5 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: 2.148 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

Instrument :

BNA_G

ClientSampleId :

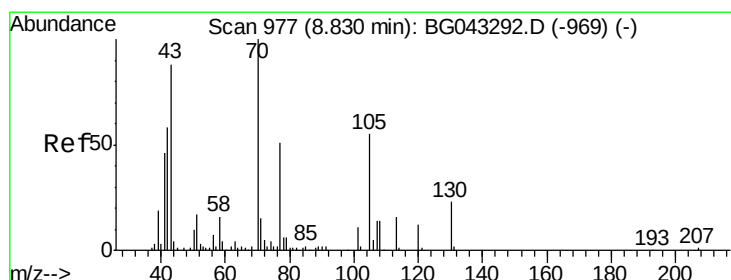
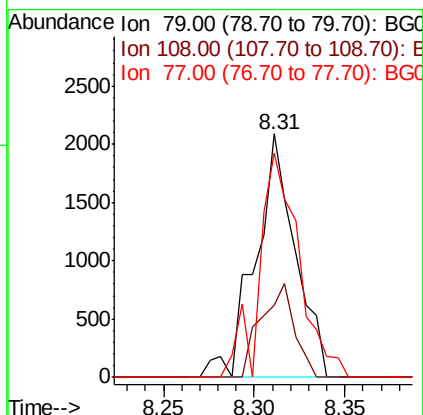
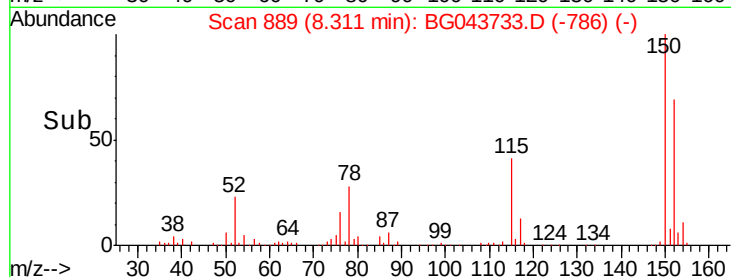
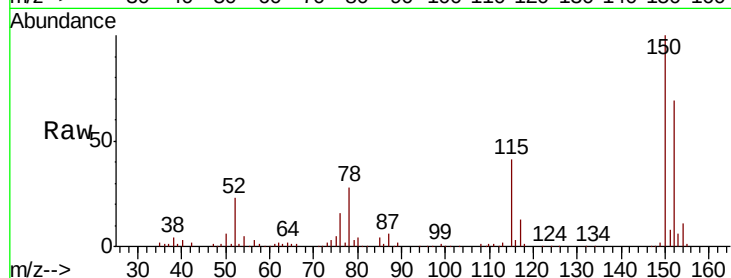
Tot Ion: 79 Resp: 3225

Ion Ratio Lower Upper

79 100

108 29.8 56.0 84.0#

77 92.1 47.9 71.9#



#19

n-Nitroso-di-n-propylamine

Concen: 15.405 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

Tgt Ion: 70 Resp: 21282

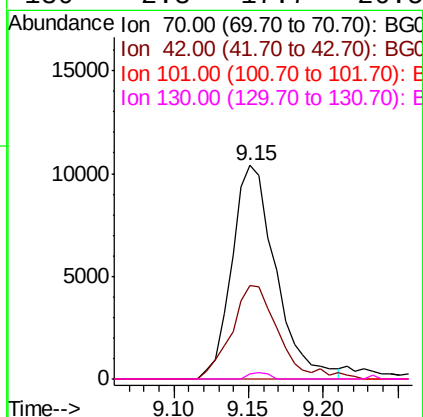
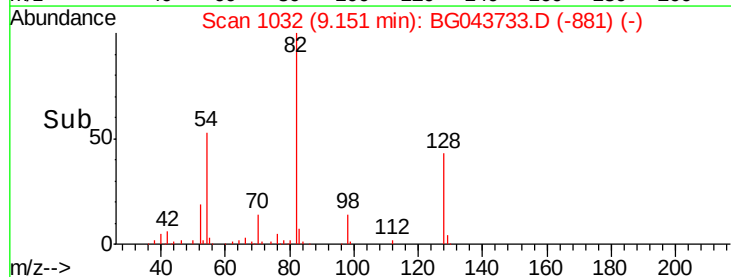
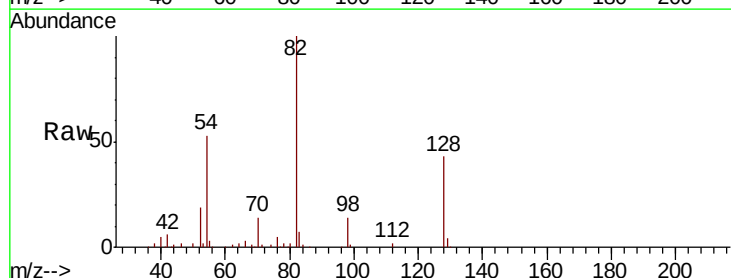
Ion Ratio Lower Upper

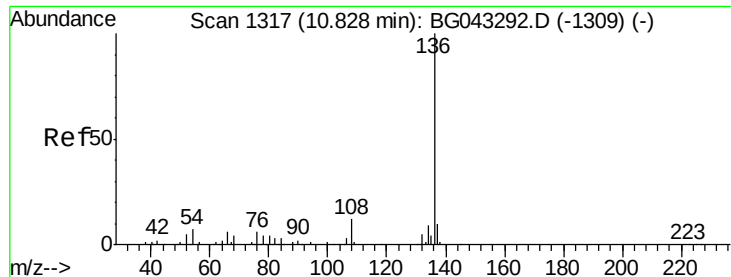
70 100

42 43.5 49.7 74.5#

101 0.0 9.7 14.5#

130 2.3 17.7 26.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 96705

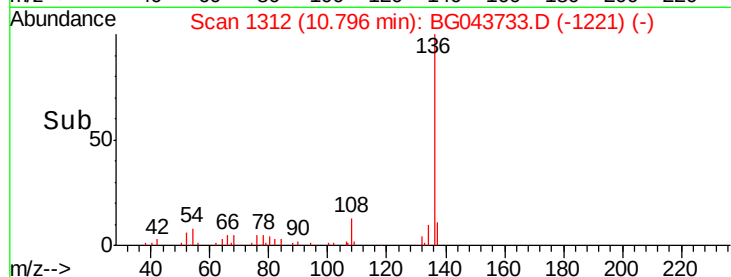
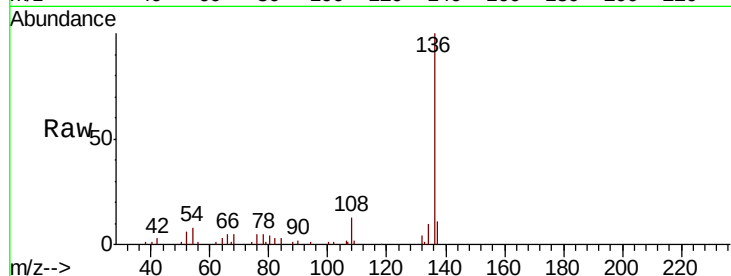
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.4 6.2 9.2

68 5.1 3.4 5.0#

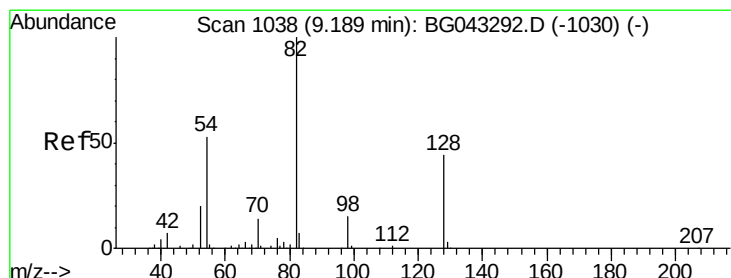
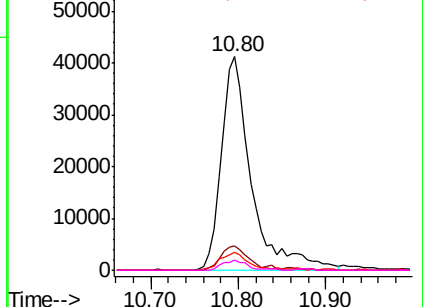


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.648 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

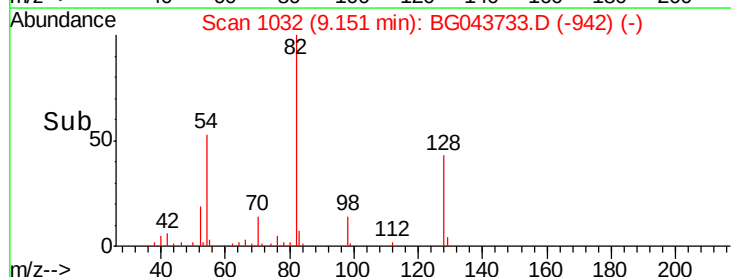
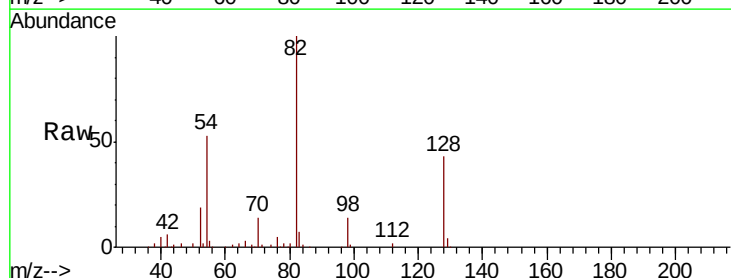
Tgt Ion: 82 Resp: 155030

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.4

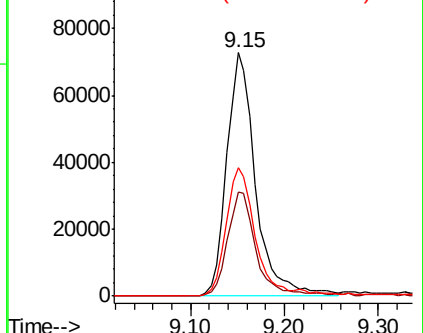
54 53.0 44.7 67.1

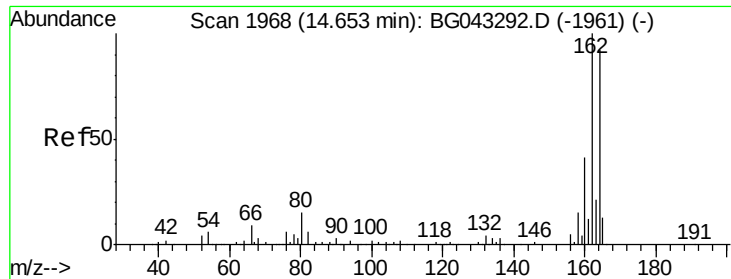


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG043733.D

Acq: 20 Nov 2019 18:30

Instrument :

BNA_G

ClientSampled :

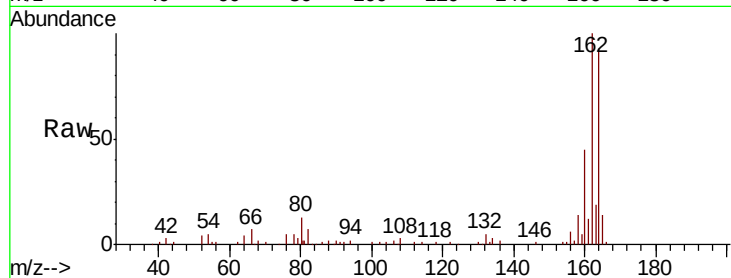
Tot Ion:164 Resp: 73830

Ion Ratio Lower Upper

164 100

162 107.6 79.4 119.2

160 48.9 36.3 54.5

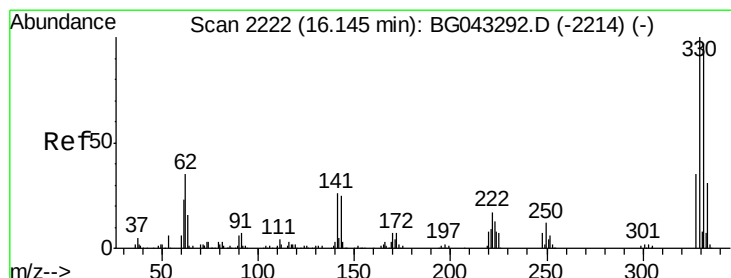
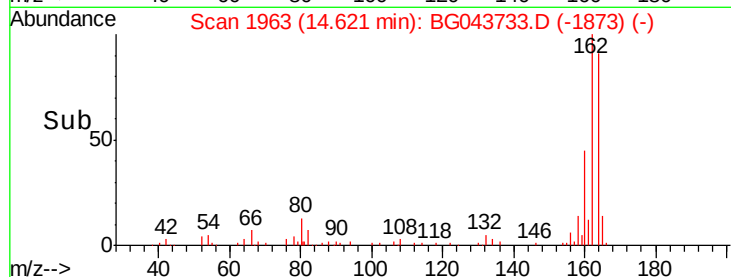
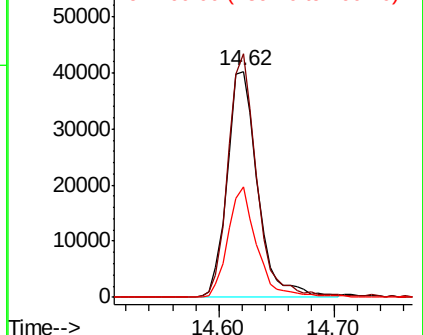


Abundance

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: 102.612 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

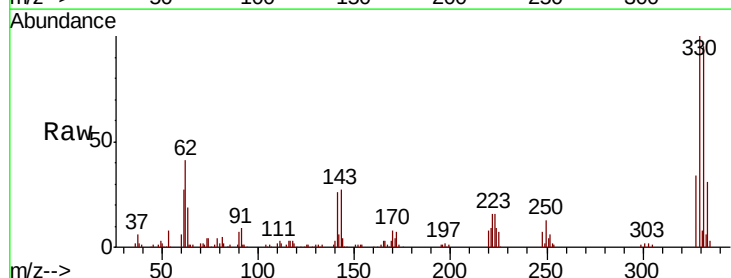
Tgt Ion:330 Resp: 144168

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

141 28.5 23.4 35.2

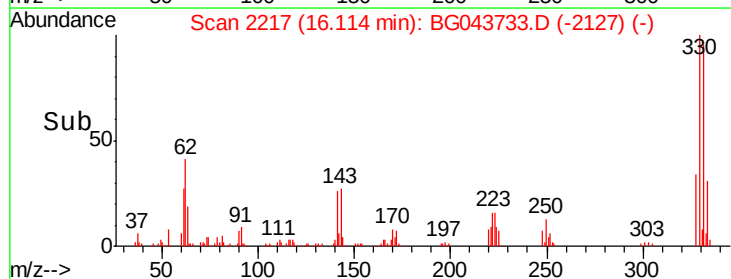
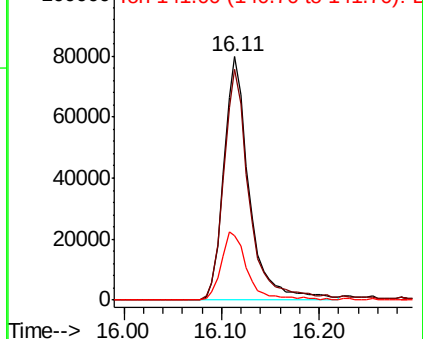


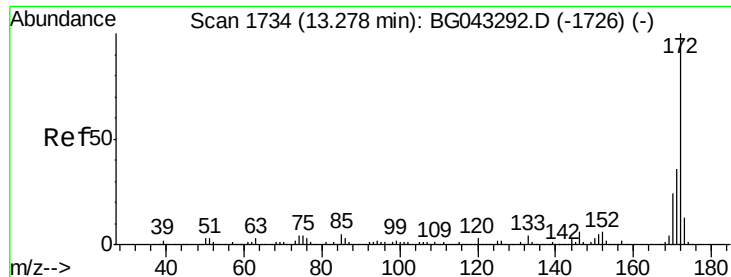
Abundance

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

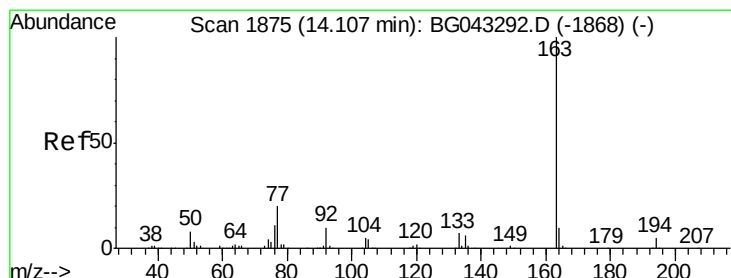
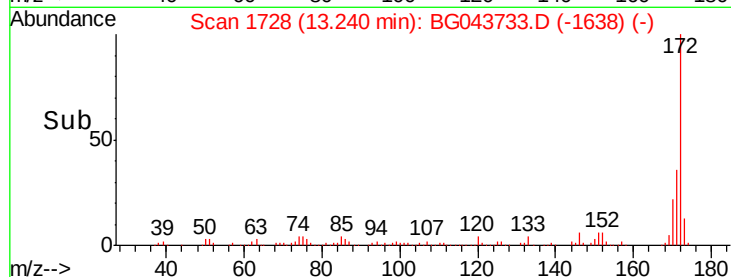
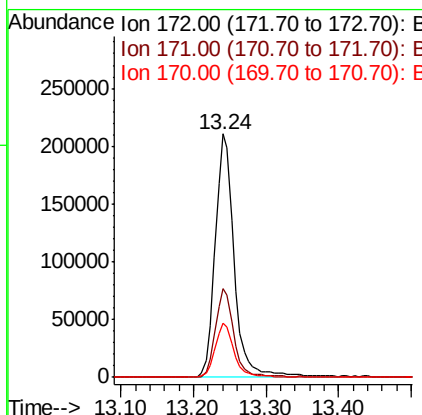
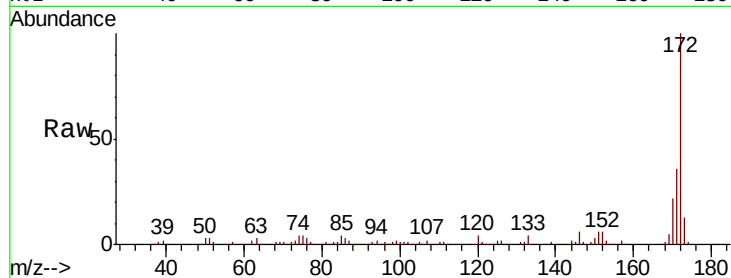




#45
 2-Fluorobiphenyl
 Concen: 72.126 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043733.D
 Acq: 20 Nov 2019 18:30

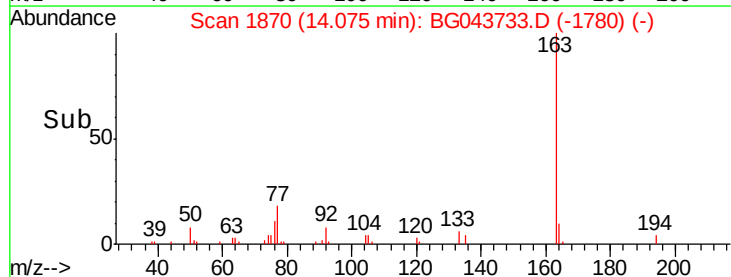
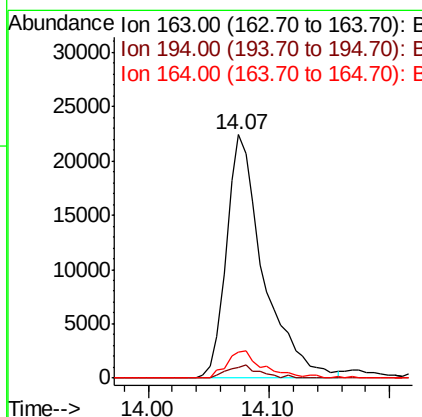
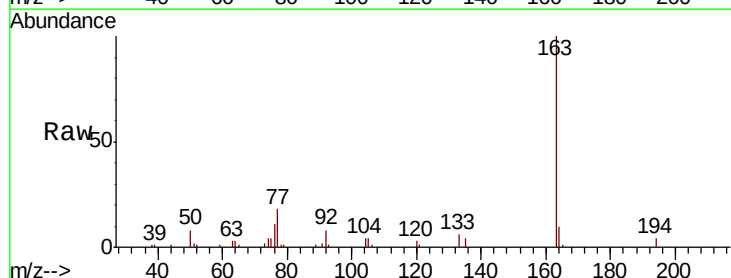
Instrument :
 BNA_G
 ClientSampleId :

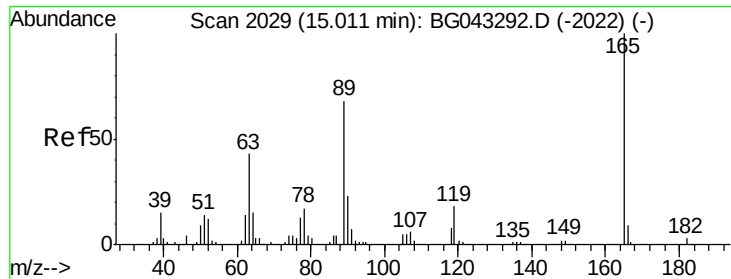
Tot Ion:172 Resp: 385372
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.1 42.1
 170 22.1 18.8 28.2



#50
 Dimethylphthalate
 Concen: 8.306 ng
 RT: 14.07 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BG043733.D
 Acq: 20 Nov 2019 18:30

Tgt Ion:163 Resp: 47498
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.8 5.8
 164 10.5 8.5 12.7

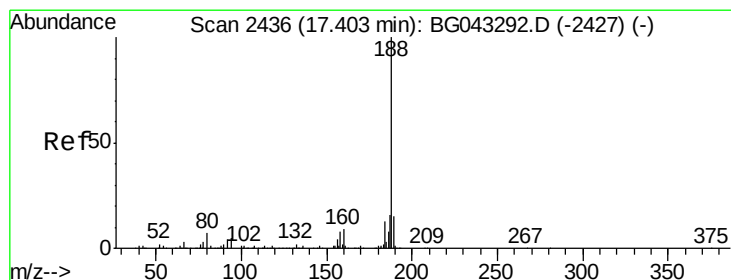
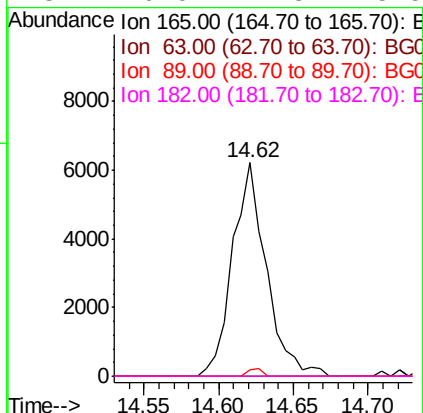
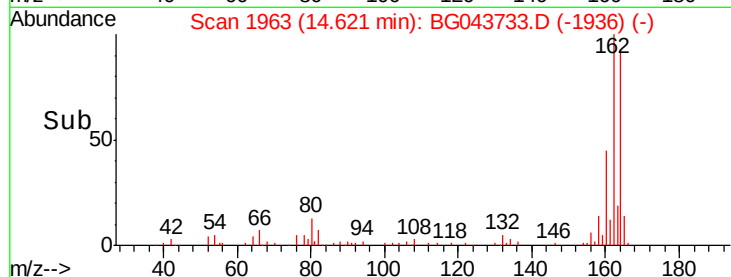
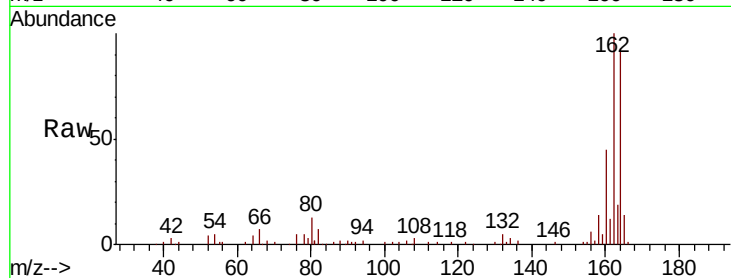




#57
 2,4-Dinitrotoluene
 Concen: 5.542 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG043733.D
 Acq: 20 Nov 2019 18:30

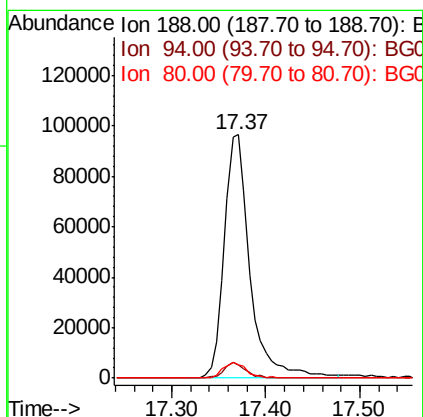
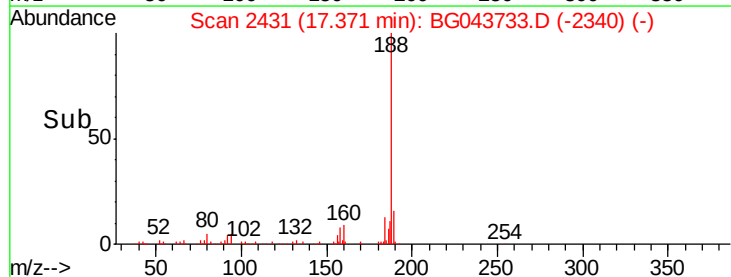
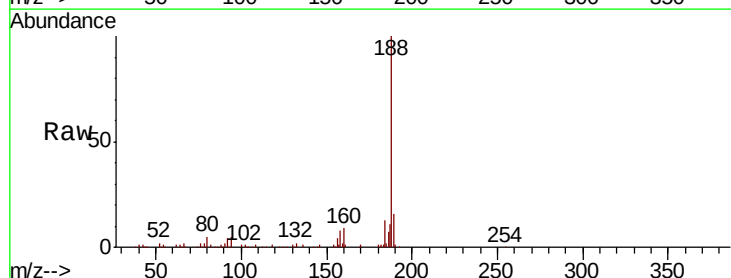
Instrument :
 BNA_G
 ClientSampleId :

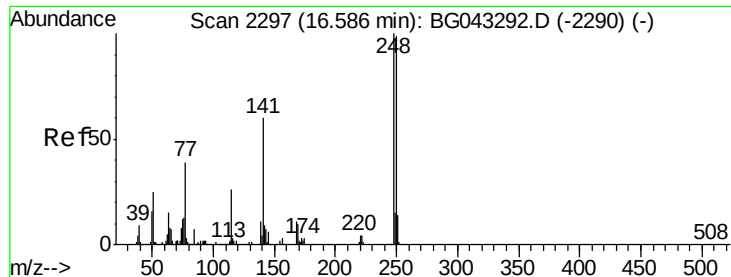
Tot Ion:165	Resp:	9839	
Ion Ratio	Lower	Upper	
165 100			
63 0.0	37.4	56.0#	
89 2.8	50.9	76.3#	
182 0.0	2.3	3.5#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG043733.D
 Acq: 20 Nov 2019 18:30

Tgt Ion	188	Resp: Lower	184101 Upper
	Ratio		
188	100		
94	5.3	4.6	7.0
80	5.2	5.2	7.8

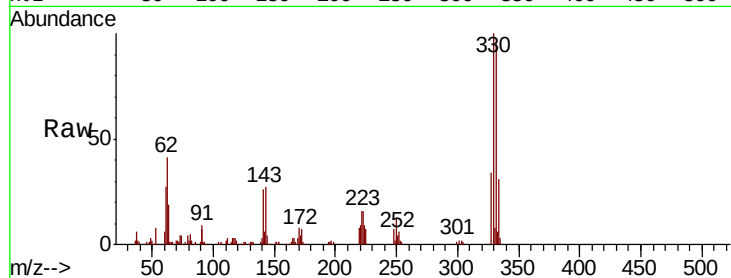




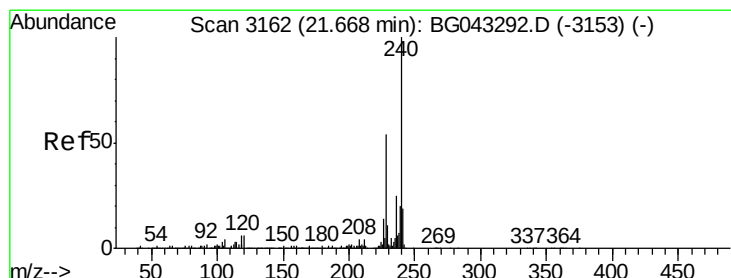
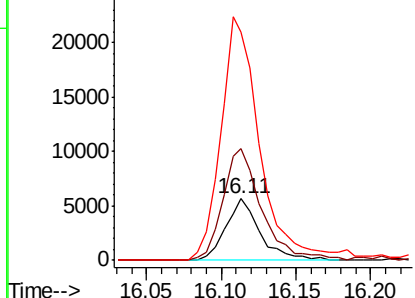
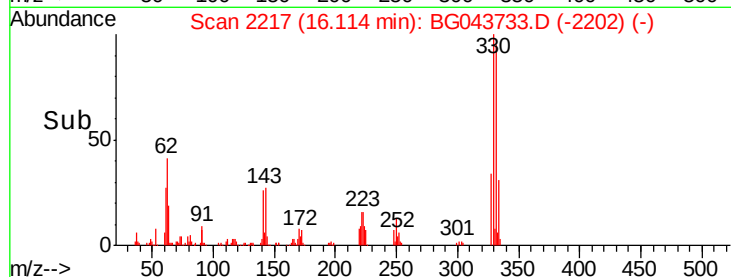
#67
4-Bromophenyl-phenylether
Concen: 3.687 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.44 min
Lab File: BG043733.D
Acq: 20 Nov 2019 18:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9134
Ion Ratio Lower Upper
248 100
250 181.2 76.3 114.5#
141 369.5 49.5 74.3#

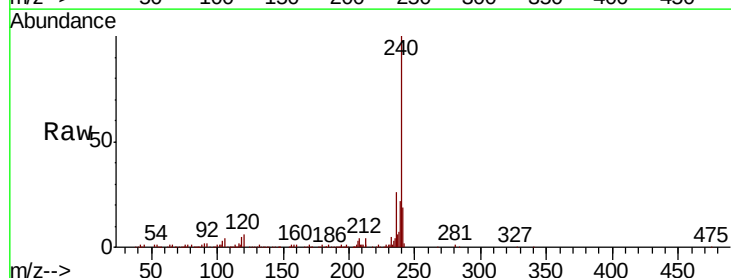


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

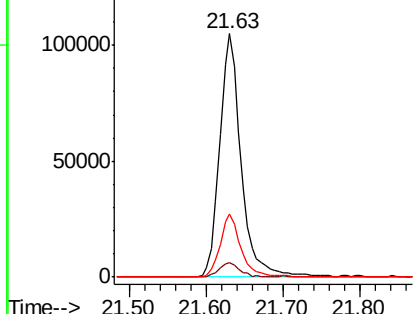
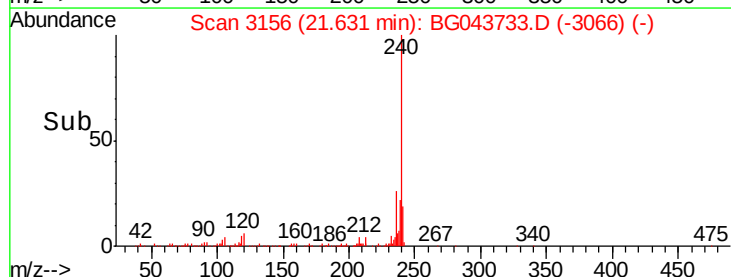


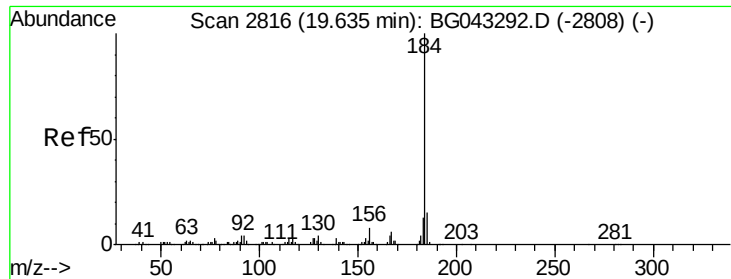
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043733.D
Acq: 20 Nov 2019 18:30

Tgt Ion:240 Resp: 202890
Ion Ratio Lower Upper
240 100
120 5.9 4.9 7.3
236 26.0 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: 3.038 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

Instrument :

BNA_G

ClientSampleId :

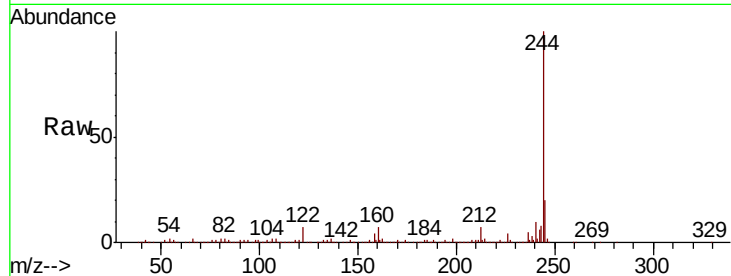
Tot Ion:184 Resp: 12404

Ion Ratio Lower Upper

184 100

185 73.8 12.7 19.1#

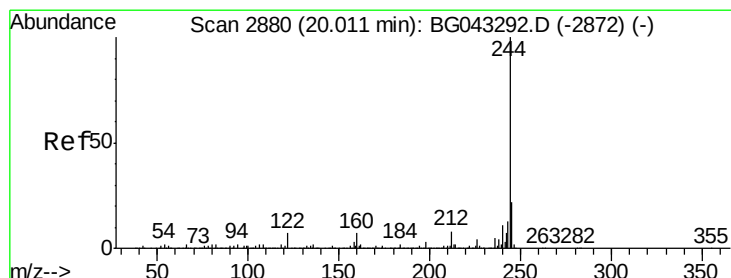
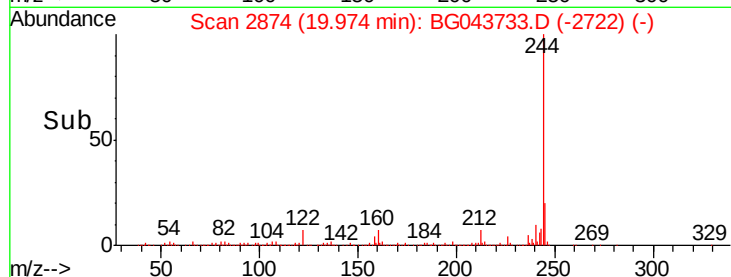
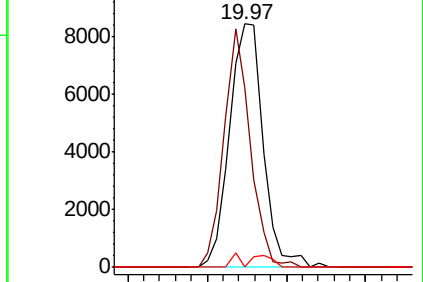
183 0.0 8.8 13.2#



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: 80.540 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043733.D

Acq: 20 Nov 2019 18:30

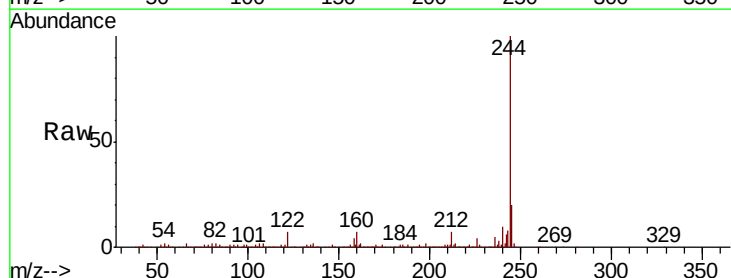
Tgt Ion:244 Resp: 871016

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

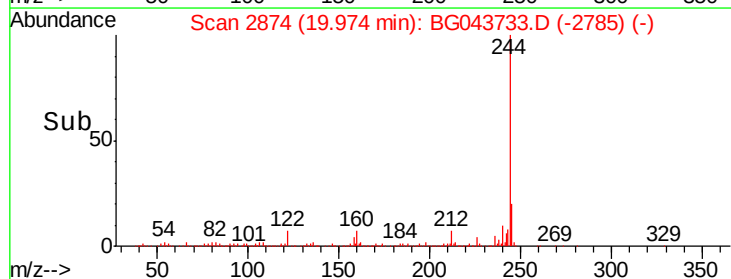
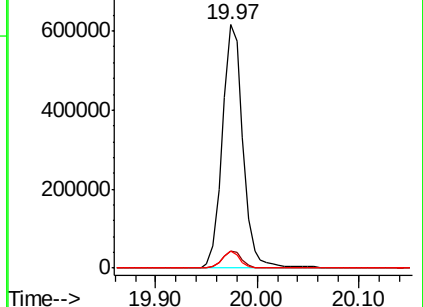
122 6.8 5.2 7.8

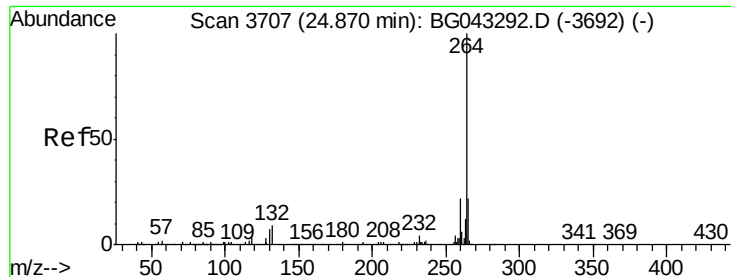


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

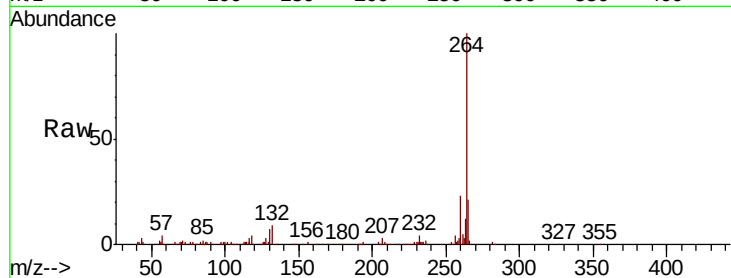




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3696
Delta R.T. -0.01 min
Lab File: BG043733.D
Acq: 20 Nov 2019 18:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	21.3	15.8	23.8



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

