

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043739.D
 Acq On : 20 Nov 2019 22:23
 Operator : JU
 Sample : K5904-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:37:23 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	24821	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	92774	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	71013	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	185882	20.00	ng	0.00
76) Chrysene-d12	21.63	240	193837	20.00	ng	0.00
87) Perylene-d12	24.80	264	225137	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	205252	151.53	ng	0.00
7) Phenol-d6	7.18	99	283901	145.68	ng	0.00
23) Nitrobenzene-d5	9.15	82	164824	91.59	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	165156	122.21	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	425147	82.73	ng	0.00
79) Terphenyl-d14	19.97	244	890525	86.19	ng	0.00

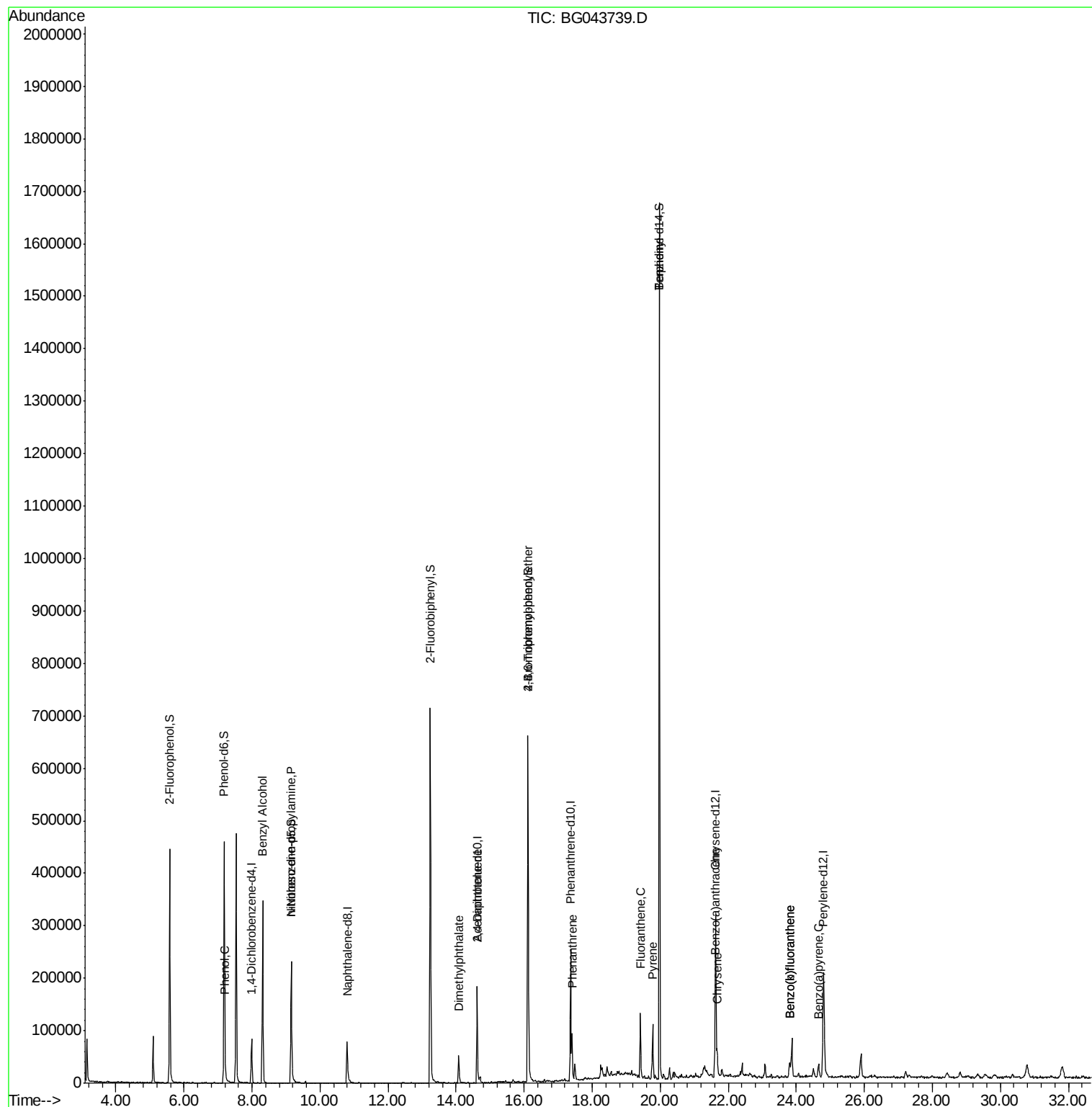
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.21	94	10863	6.100	ng	91
15) Benzyl Alcohol	8.31	79	3109	2.272	ng	# 62
19) n-Nitroso-di-n-propylamine	9.15	70	22836	18.134	ng	# 77
50) Dimethylphthalate	14.07	163	46579	8.468	ng	# 98
57) 2,4-Dinitrotoluene	14.61	165	10016	5.865	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	10669	4.265	ng	# 1
71) Phenanthrene	17.41	178	58499	6.146	ng	# 96
75) Fluoranthene	19.42	202	87111	7.020	ng	99
77) Benzidine	19.98	184	13125	3.364	ng	# 75
78) Pyrene	19.78	202	73480	6.124	ng	99
81) Benzo(a)anthracene	21.61	228	38929	3.206	ng	94
83) Chrysene	21.67	228	34440	2.855	ng	97
88) Benzo(b)fluoranthene	23.80	252	45866	3.597	ng	92
89) Benzo(k)fluoranthene	23.80	252	45866	3.573	ng	# 92
90) Benzo(a)pyrene	24.66	252	33936	2.787	ng	# 96

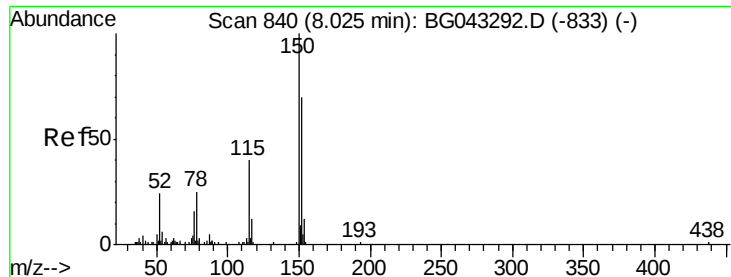
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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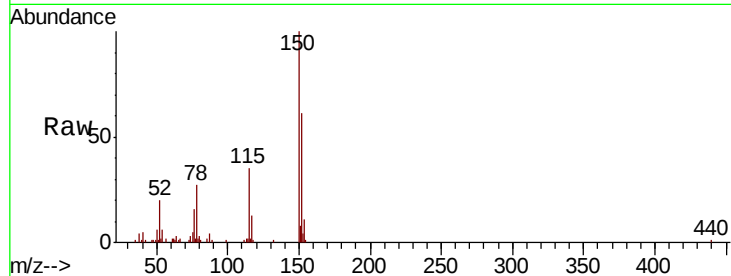


#1

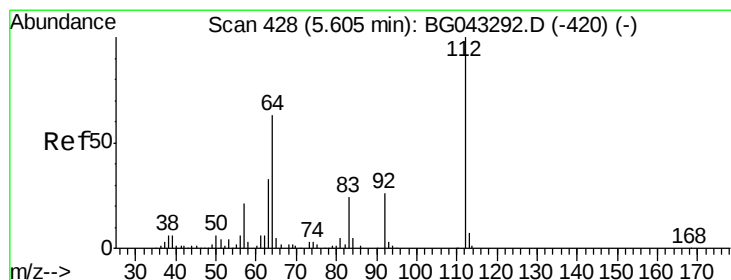
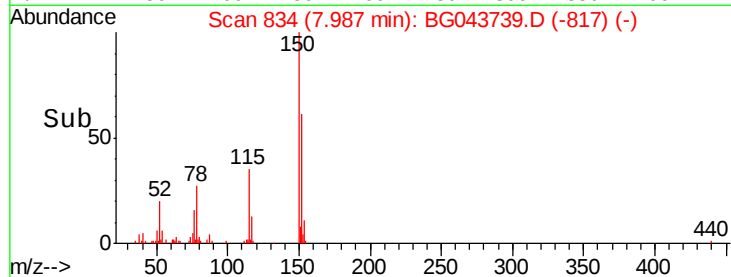
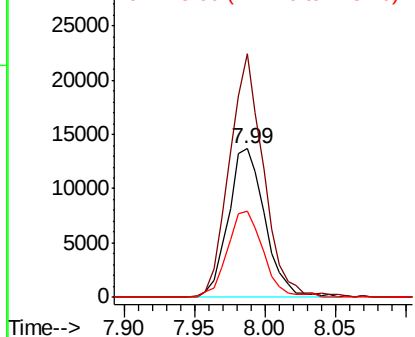
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24821
Ion Ratio Lower Upper
152 100
150 164.2 116.6 175.0
115 57.9 40.5 60.7



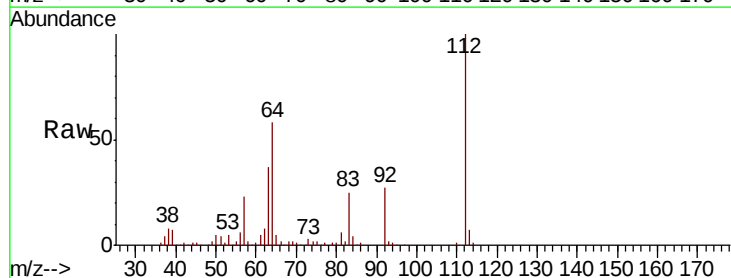
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



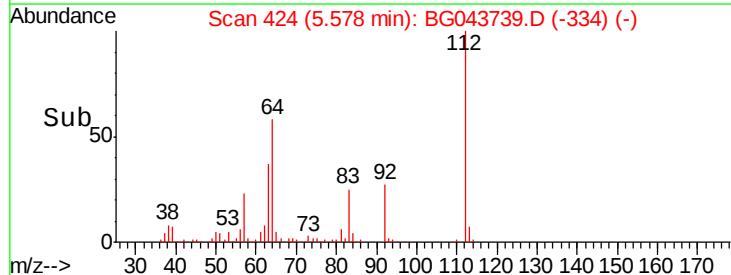
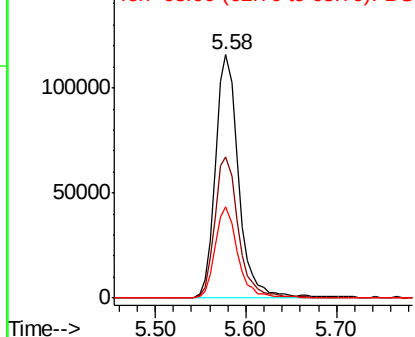
#5

2-Fluorophenol
Concen: 151.530 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion:112 Resp: 205252
Ion Ratio Lower Upper
112 100
64 58.1 50.6 75.8
63 37.4 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: 145.676 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

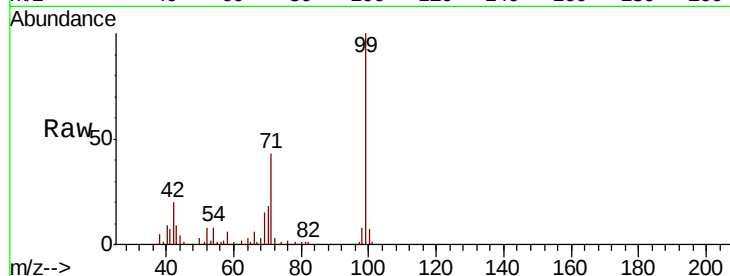
Tot Ion: 99 Resp: 283901

Ion Ratio Lower Upper

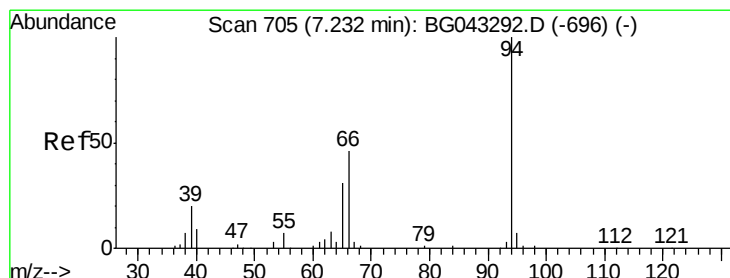
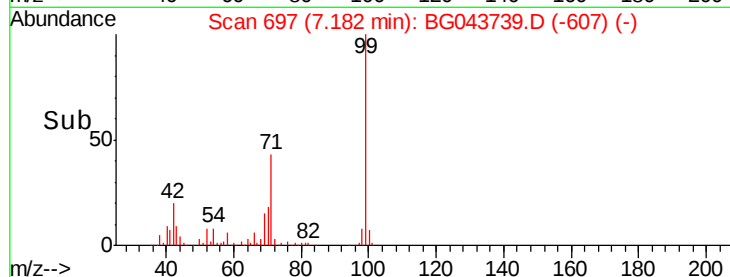
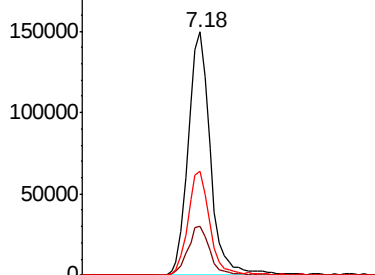
99 100

42 20.3 15.8 23.8

71 42.7 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: 6.100 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

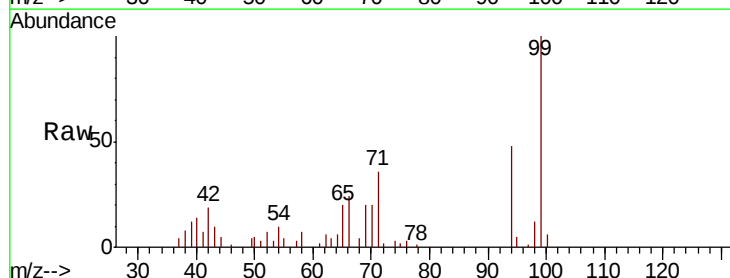
Tgt Ion: 94 Resp: 10863

Ion Ratio Lower Upper

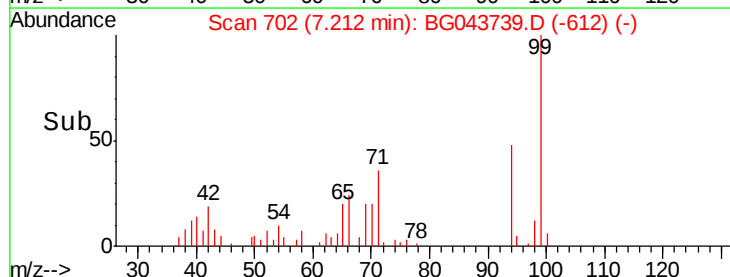
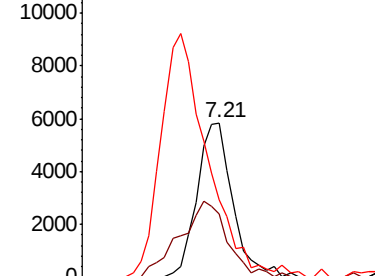
94 100

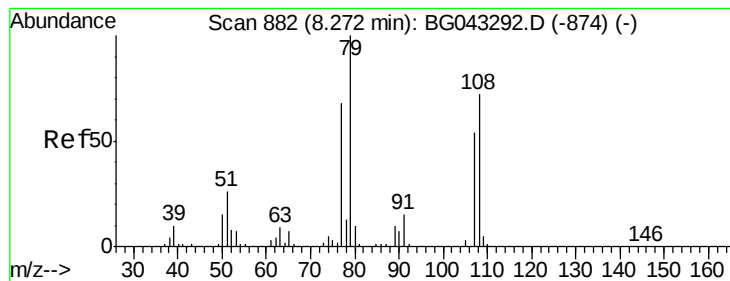
65 41.3 11.4 51.4

66 50.1 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: 2.272 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampled :

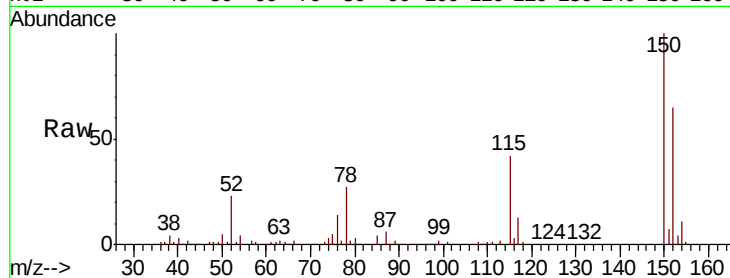
Tot Ion: 79 Resp: 3109

Ion Ratio Lower Upper

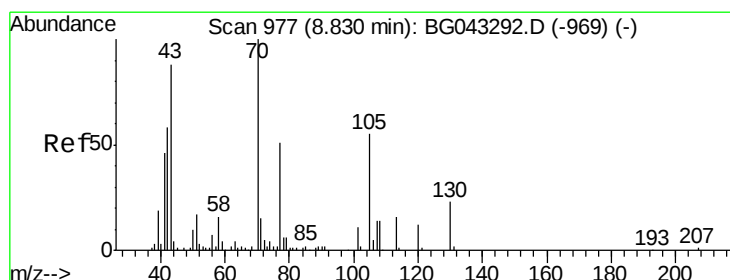
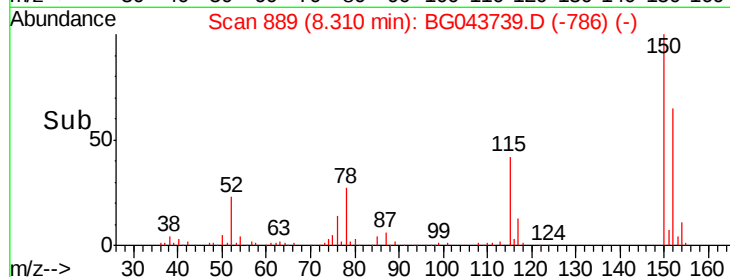
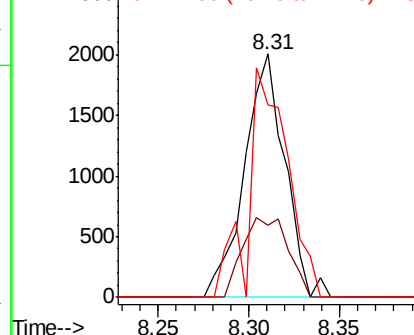
79 100

108 29.7 56.0 84.0#

77 79.3 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: 18.134 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Tgt Ion: 70 Resp: 22836

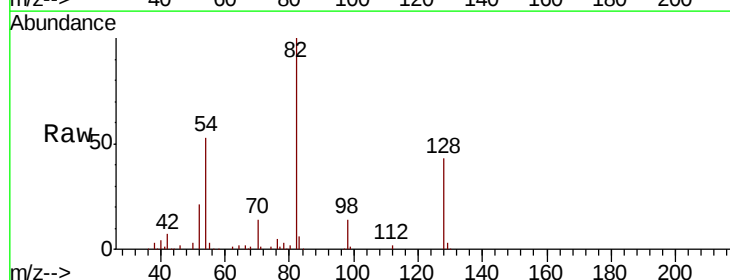
Ion Ratio Lower Upper

70 100

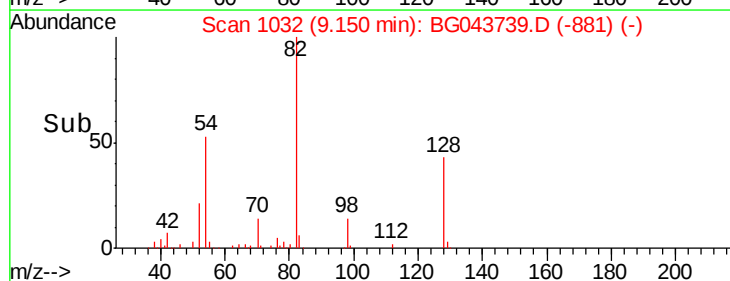
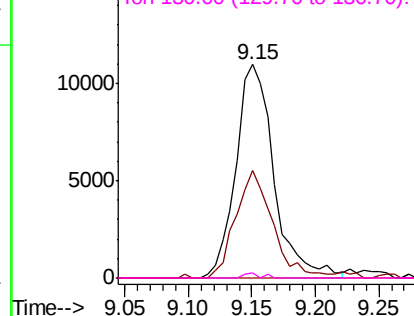
42 50.6 49.7 74.5

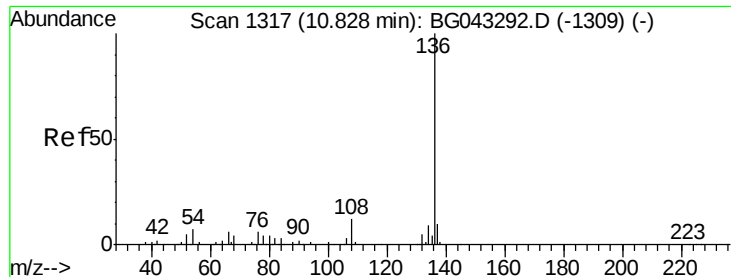
101 0.0 9.7 14.5#

130 2.7 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

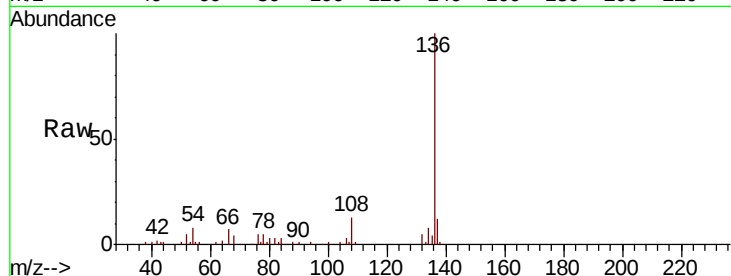




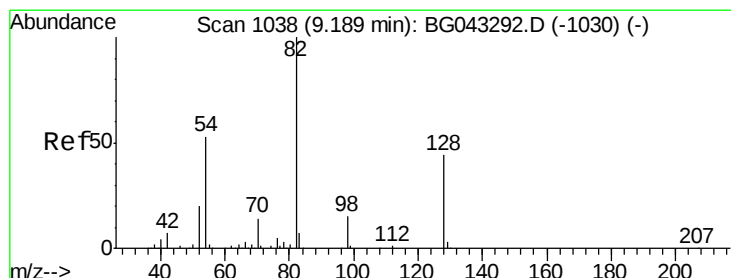
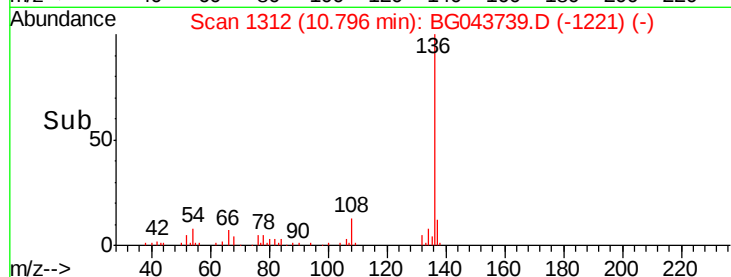
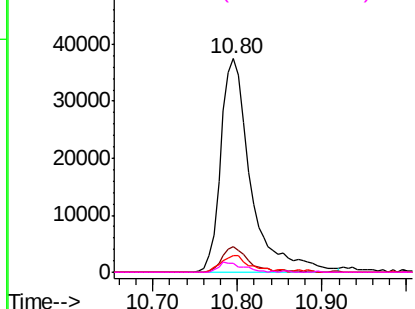
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92774	
Ion Ratio	Lower	Upper	
136 100			
137 12.2	8.8	13.2	
54 7.8	6.2	9.2	
68 4.2	3.4	5.0	

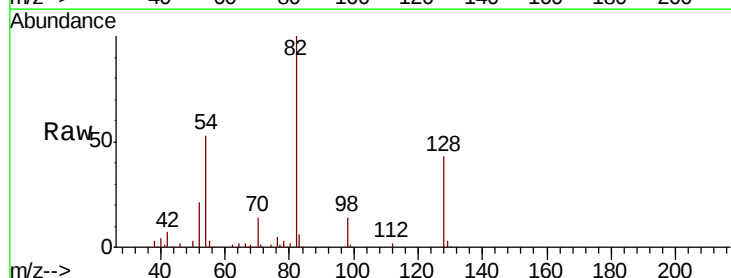


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

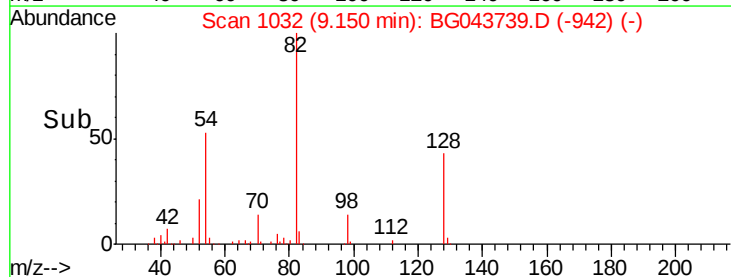
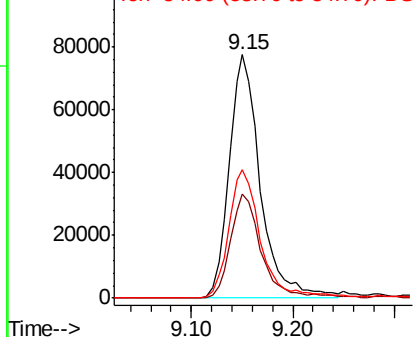


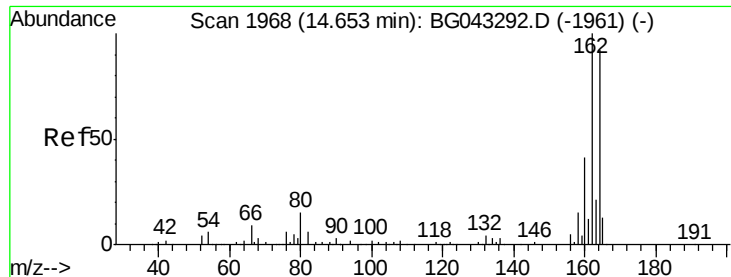
#23
Nitrobenzene-d5
Concen: 91.593 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion: 82	Resp: 164824
Ion Ratio	Lower Upper
82 100	
128 42.7	34.2 51.4
54 52.7	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: BG043739.D

Acq: 20 Nov 2019 22:23

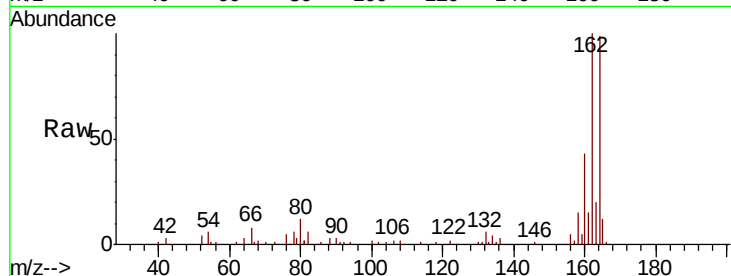
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 71013

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.4	119.2
160	43.7	36.3	54.5

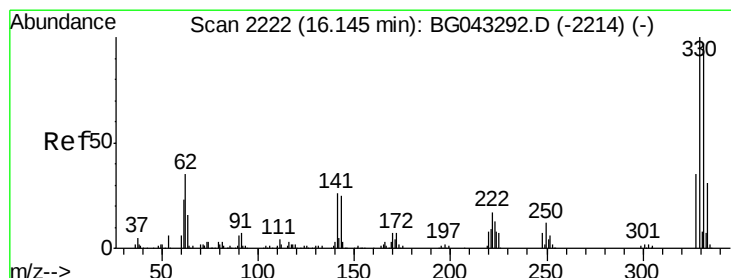
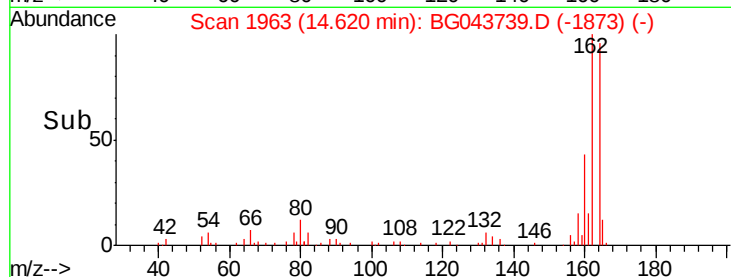
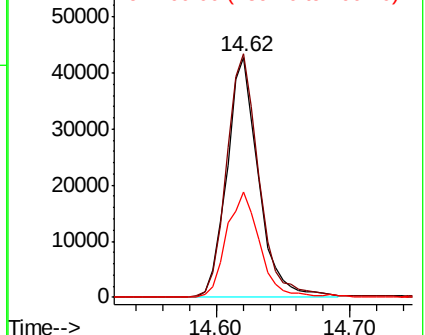


Abundance

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: 122.213 ng

RT: 16.11 min Scan# 2217

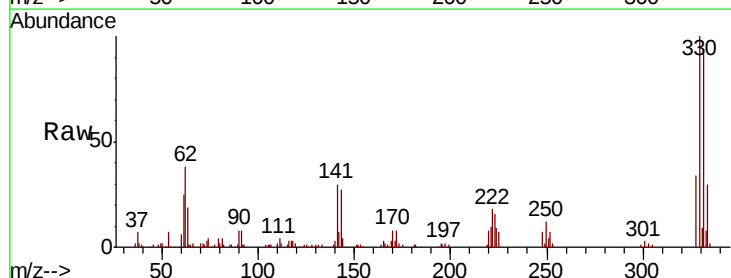
Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Tgt Ion:330 Resp: 165156

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	29.1	23.4	35.2

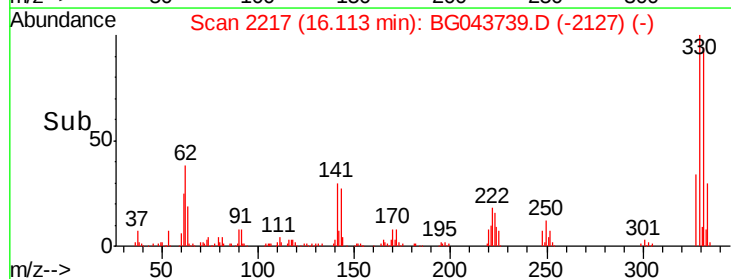
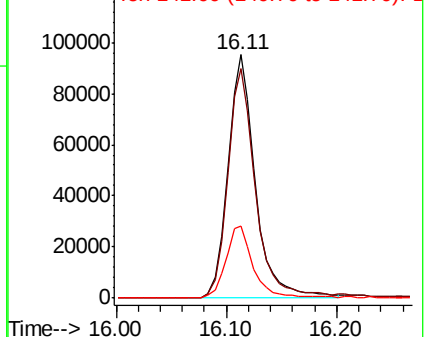


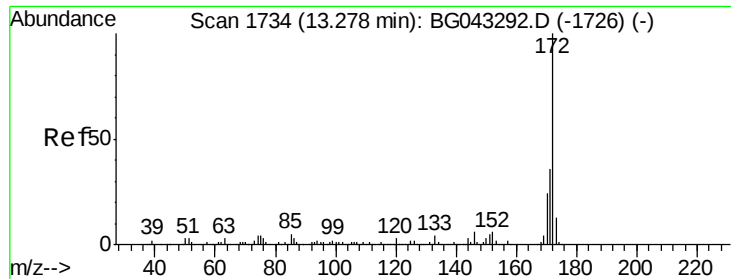
Abundance

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

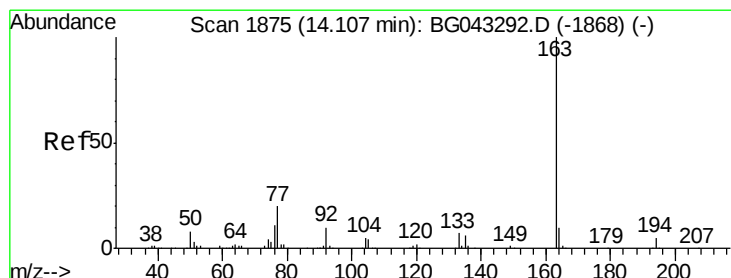
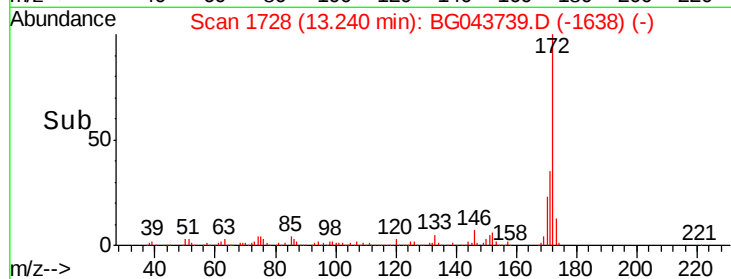
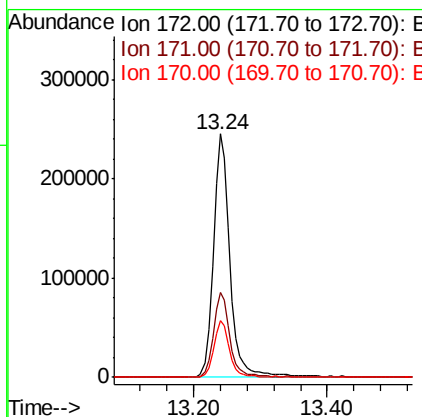
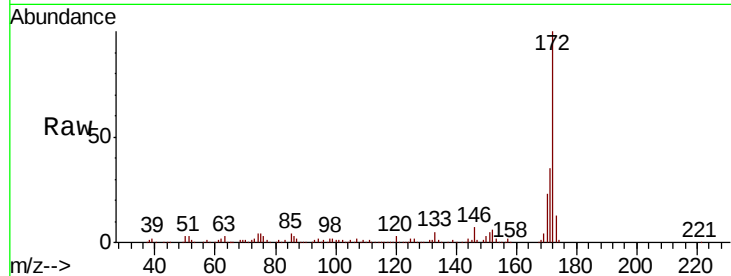




#45
 2-Fluorobiphenyl
 Concen: 82.727 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

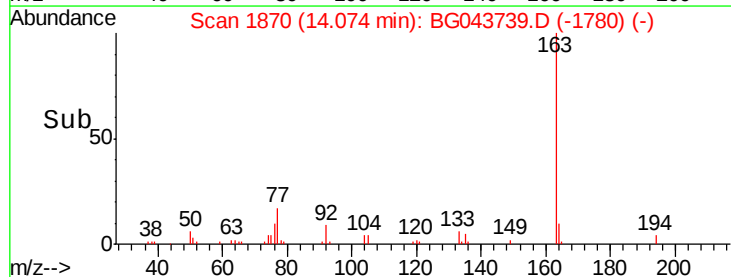
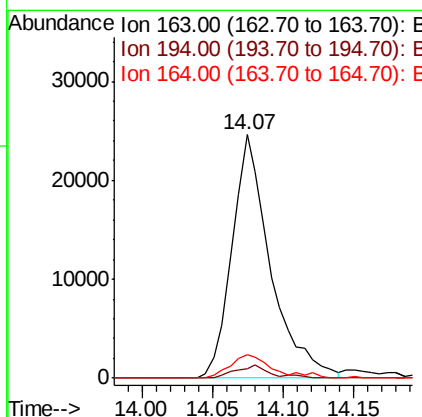
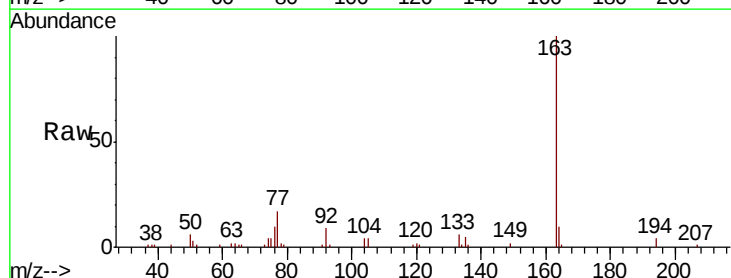
Instrument :
 BNA_G
 ClientSampleId :

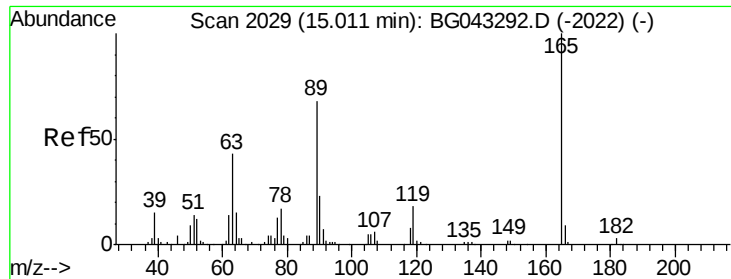
Tot Ion:172 Resp: 425147
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.1 42.1
 170 23.5 18.8 28.2



#50
 Dimethylphthalate
 Concen: 8.468 ng
 RT: 14.07 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

Tgt Ion:163 Resp: 46579
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.8 5.8#
 164 9.9 8.5 12.7

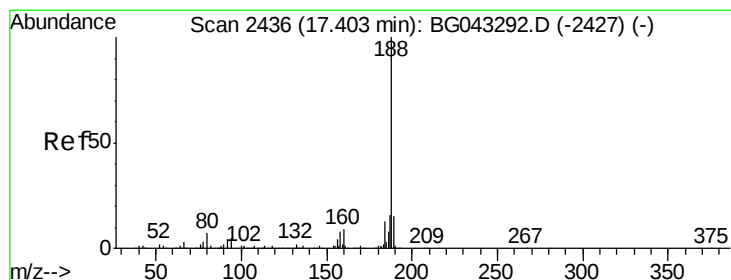
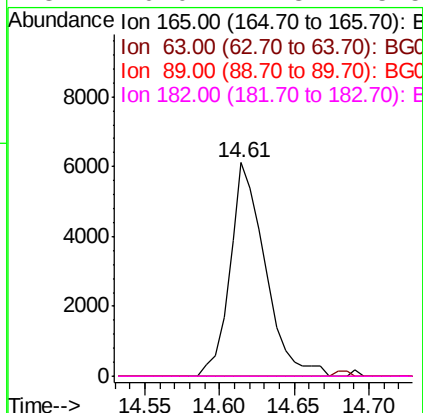
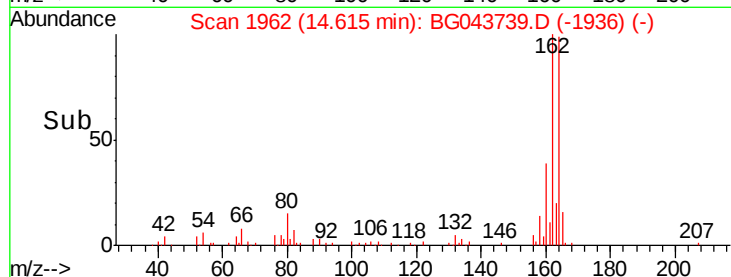
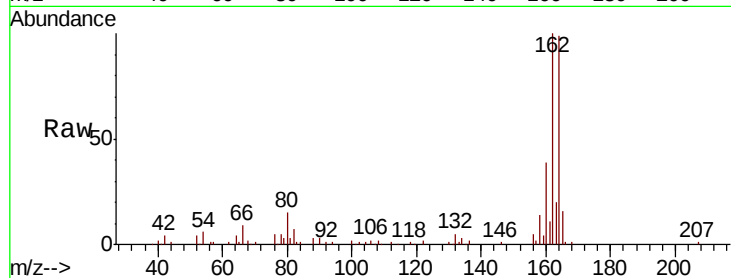




#57
 2,4-Dinitrotoluene
 Concen: 5.865 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. -0.38 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

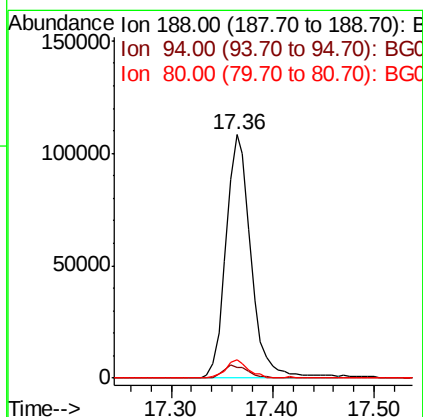
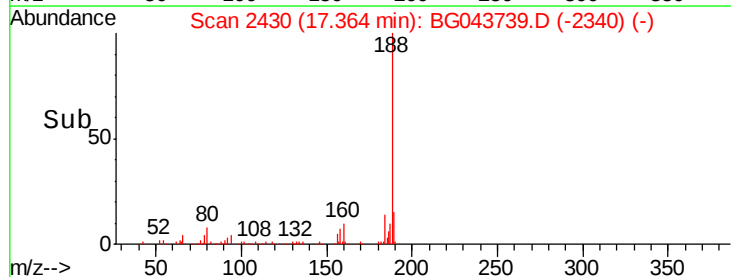
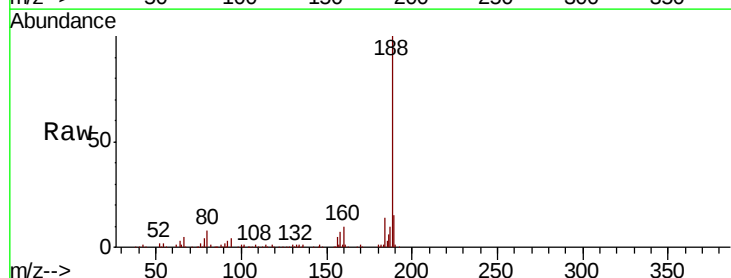
Instrument :
 BNA_G
 ClientSampleId :

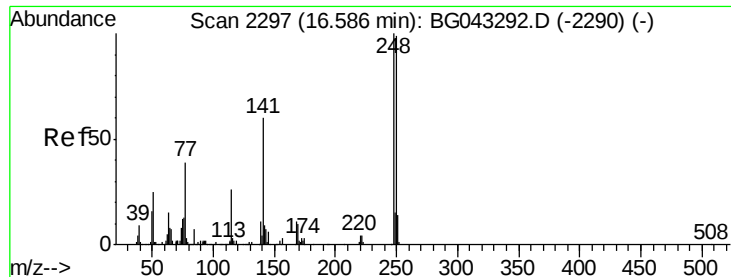
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	0.0	50.9	76.3#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	4.6	7.0#
80	7.7	5.2	7.8

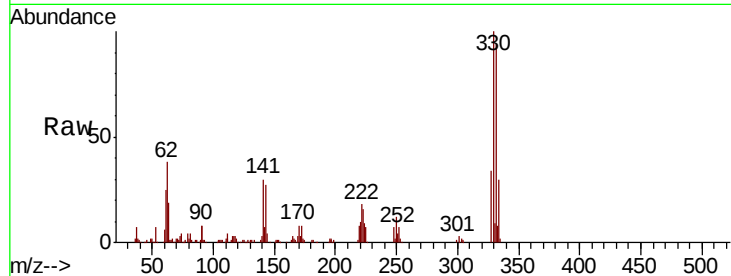




#67
 4-Bromophenyl-phenylether
 Concen: 4.265 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.44 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	178.9	76.3	114.5#
141	434.3	49.5	74.3#

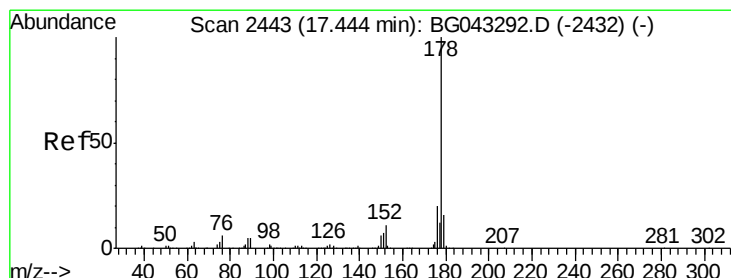
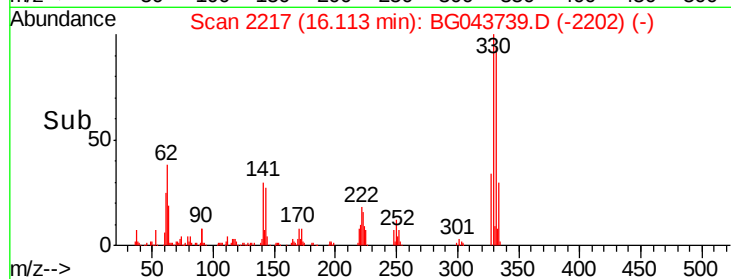
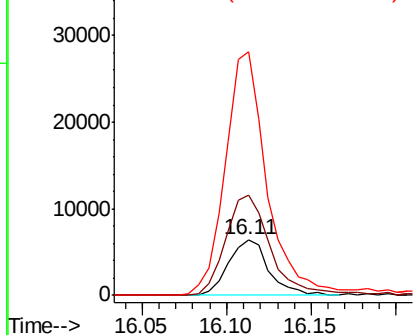


Abundance

Ion 248.00 (247.70 to 248.70): E

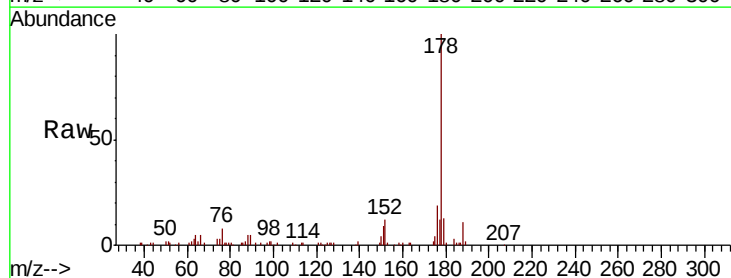
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 6.146 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	12.9	13.0	19.4#

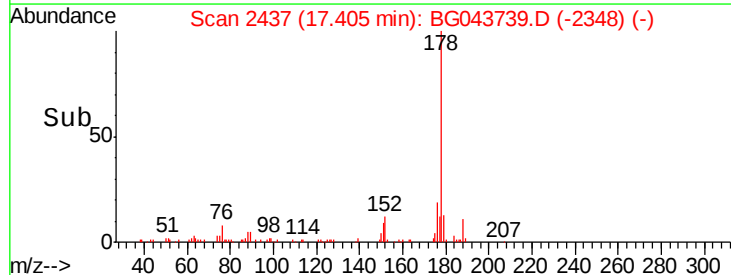
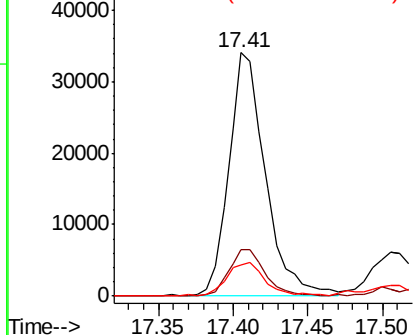


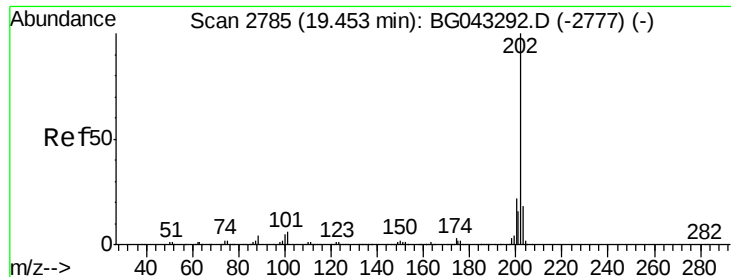
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.020 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

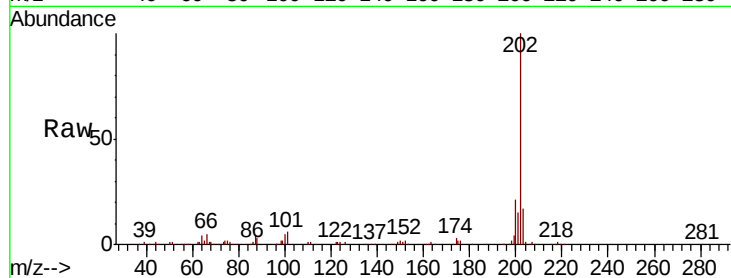
Tot Ion:202 Resp: 87111

Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.6

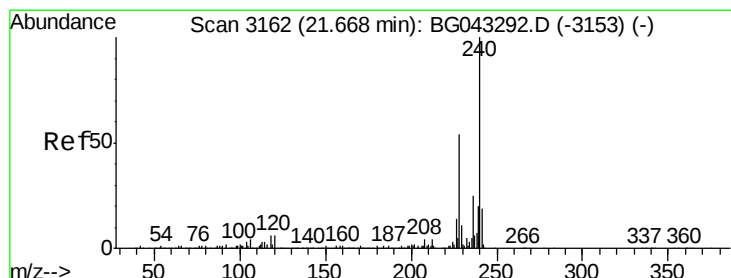
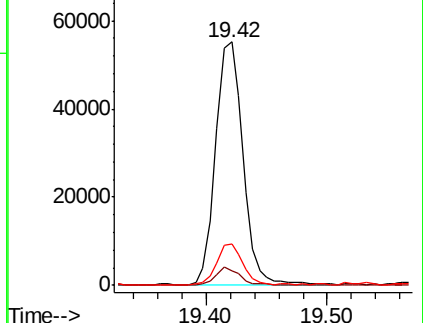
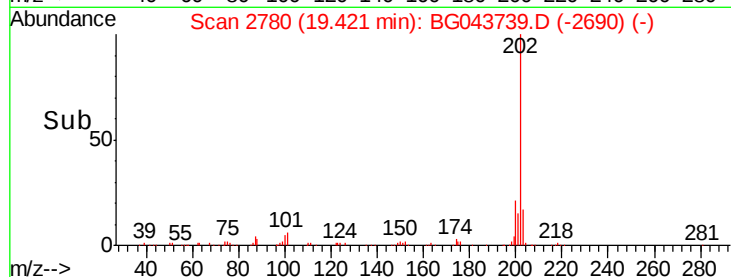
203 17.3 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

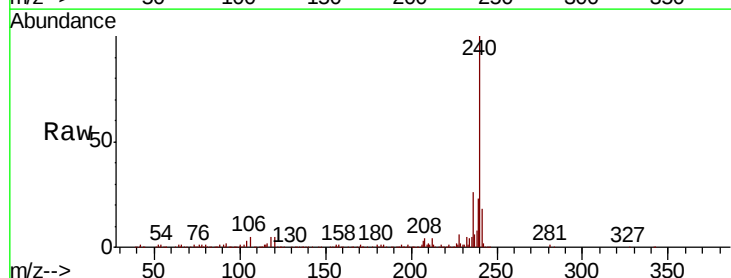
Tgt Ion:240 Resp: 193837

Ion Ratio Lower Upper

240 100

120 5.3 4.9 7.3

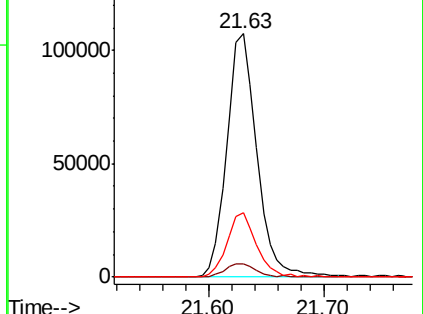
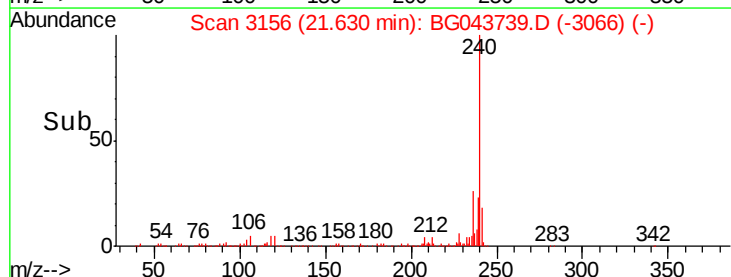
236 26.4 21.4 32.0

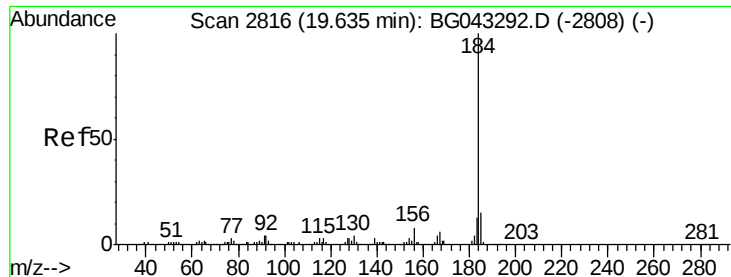


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.364 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.37 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

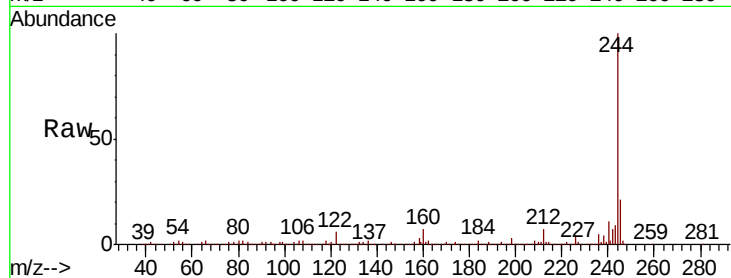
Tot Ion:184 Resp: 13125

Ion Ratio Lower Upper

184 100

185 31.5 12.7 19.1#

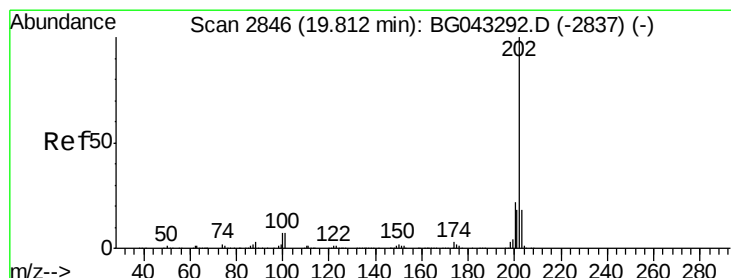
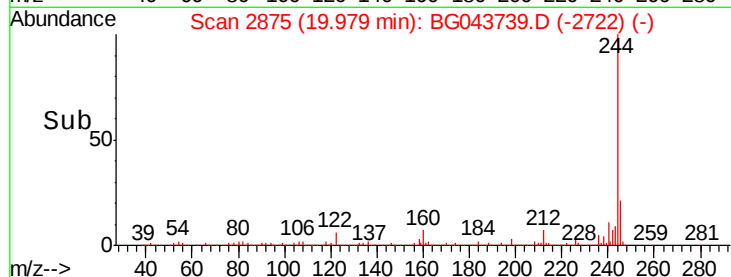
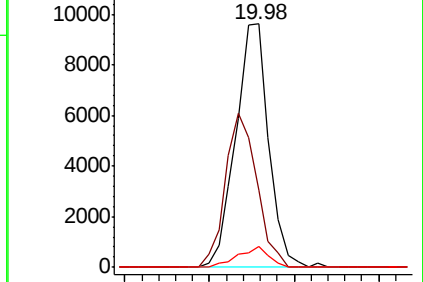
183 8.5 8.8 13.2#



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



#78

Pyrene

Concen: 6.124 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

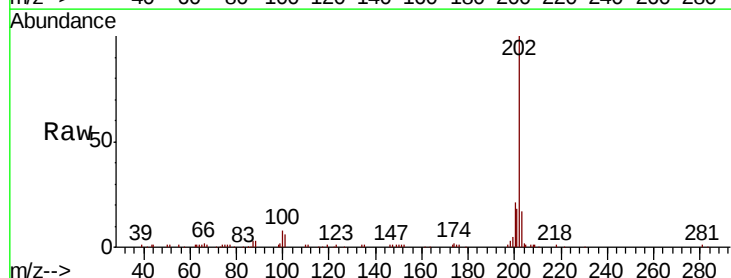
Tgt Ion:202 Resp: 73480

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

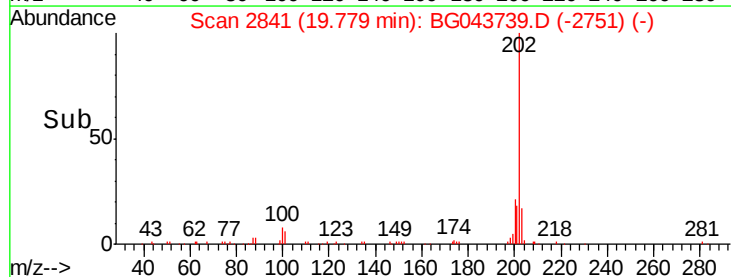
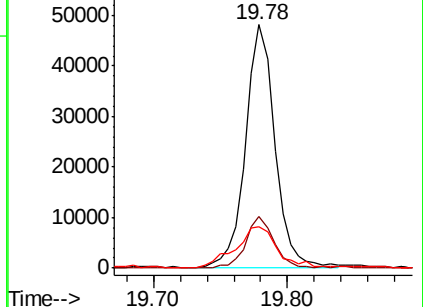
203 17.2 14.8 22.2

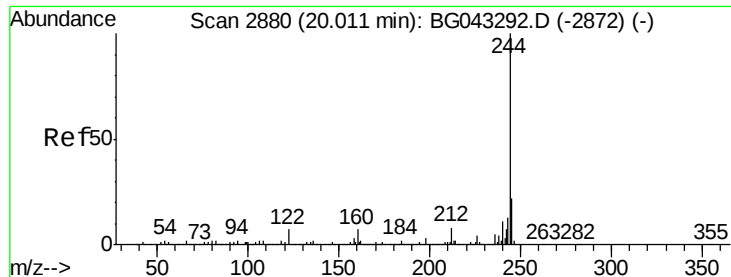


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.190 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

Instrument :

BNA_G

ClientSampleId :

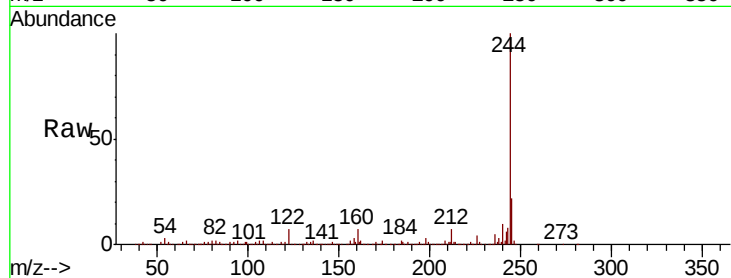
Tot Ion:244 Resp: 890525

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

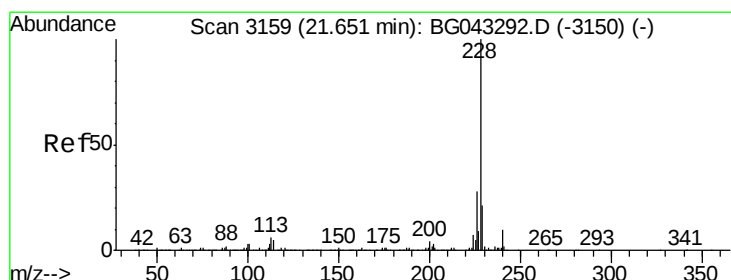
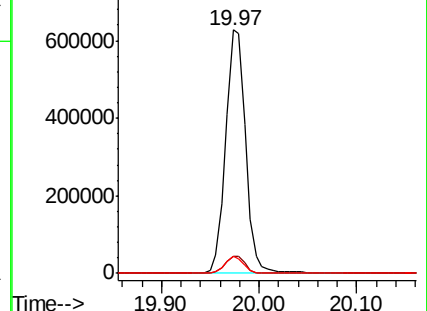
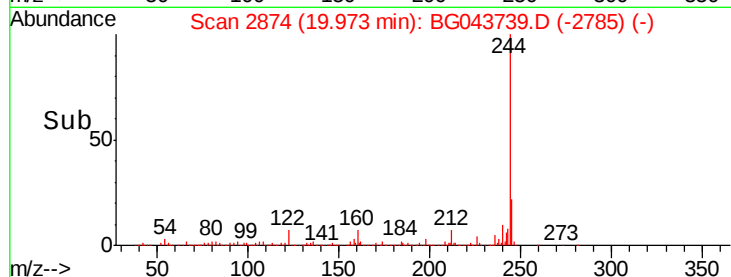
122 7.1 5.2 7.8



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



#81

Benzo(a)anthracene

Concen: 3.206 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG043739.D

Acq: 20 Nov 2019 22:23

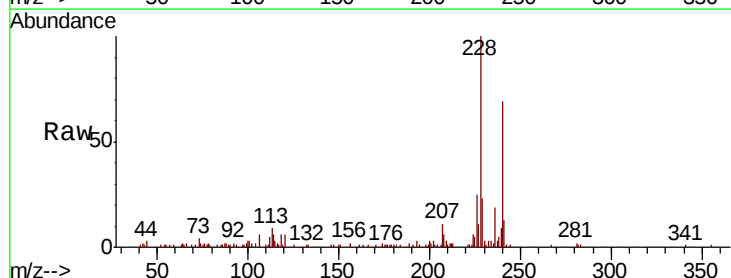
Tgt Ion:228 Resp: 38929

Ion Ratio Lower Upper

228 100

226 24.8 21.8 32.6

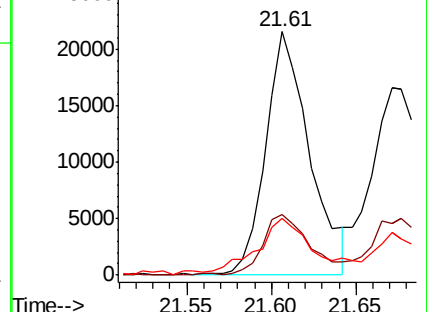
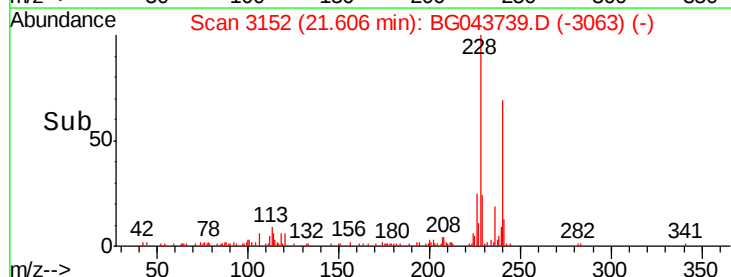
229 23.3 15.9 23.9

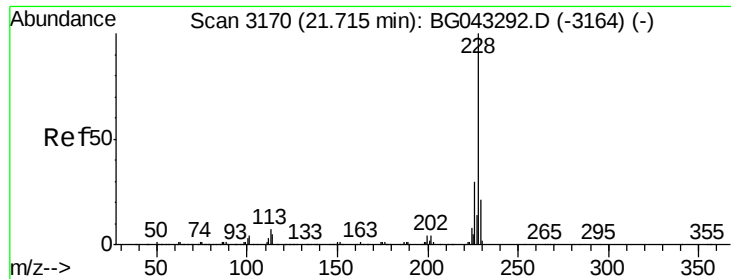


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

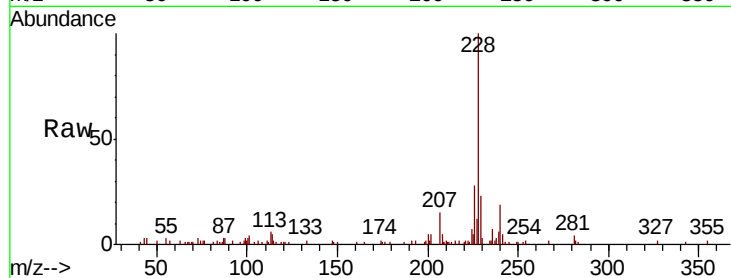




#83
Chrysene
Concen: 2.855 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Instrument :
BNA_G
ClientSampled :

Tot	Ion:228	Resp:	34440
Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.3	34.9
229	22.8	16.5	24.7

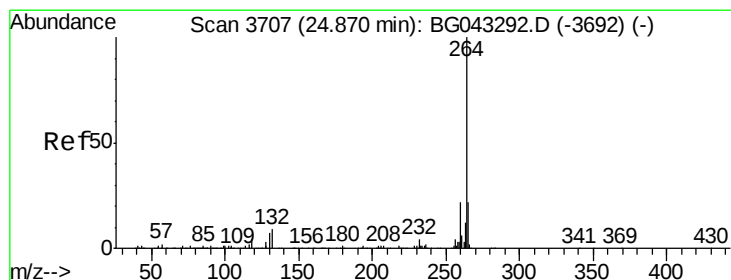
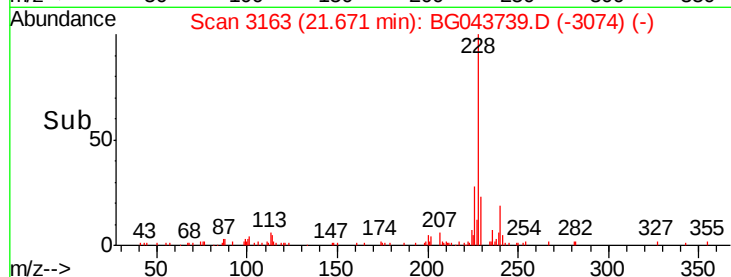
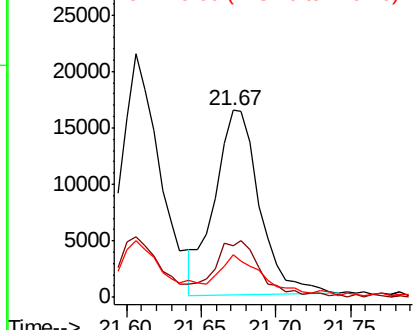


Abundance

Ion 228.00 (227.70 to 228.70): E

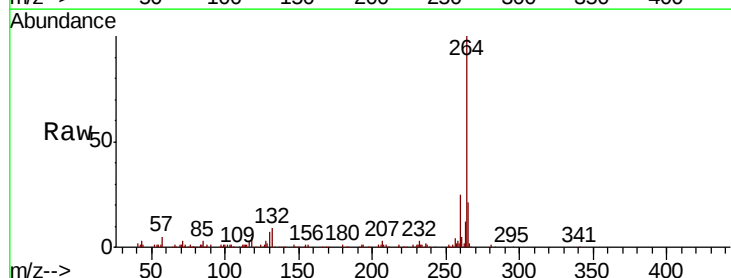
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3696
Delta R.T. -0.01 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion	264	Resp: Lower	225137 Upper
	Ratio		
264	100		
260	24.5	18.4	27.6
265	20.9	15.8	23.8

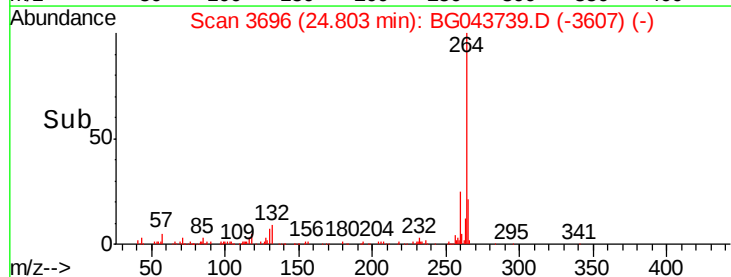
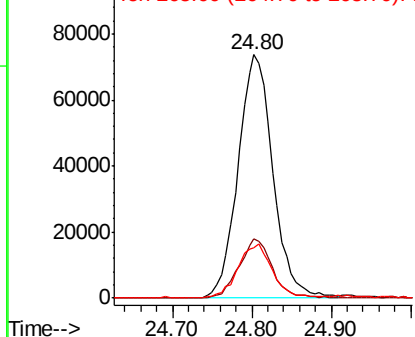


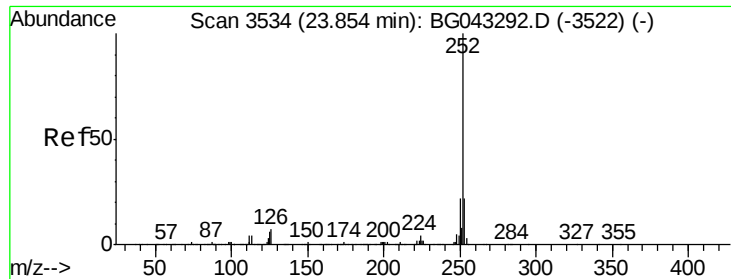
Abundance

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

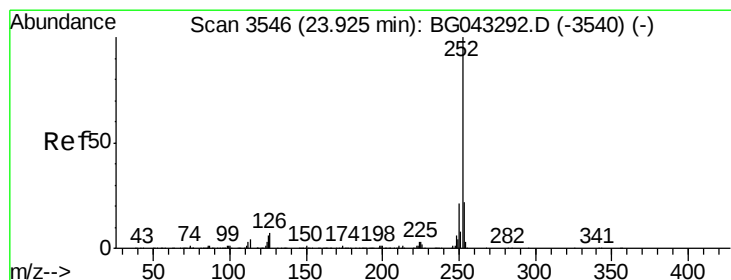
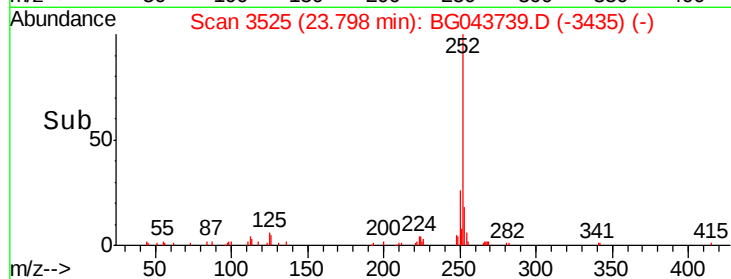
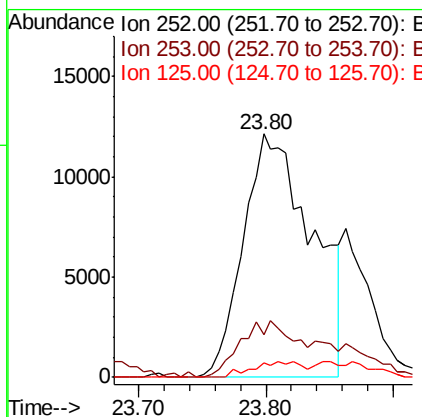
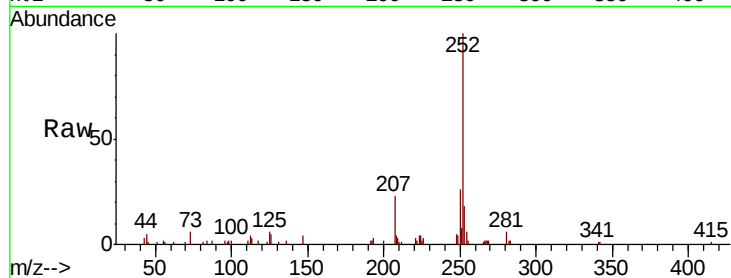




#88
Benzo(b)fluoranthene
Concen: 3.597 ng
RT: 23.80 min Scan# 3525
Delta R.T. -0.00 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

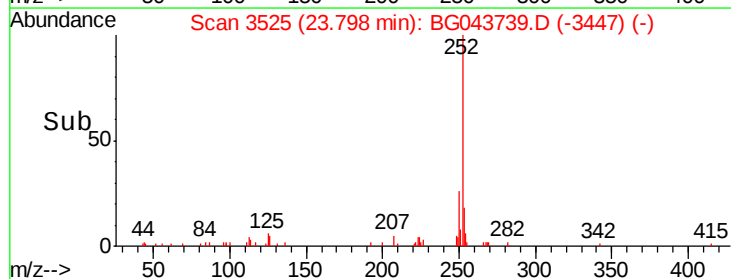
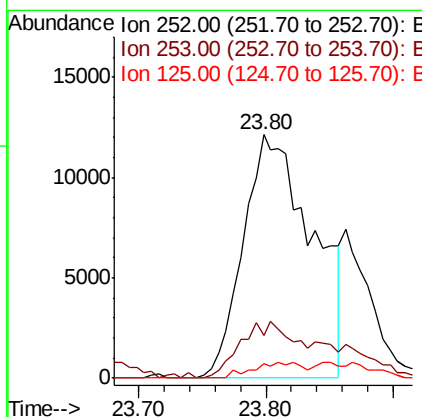
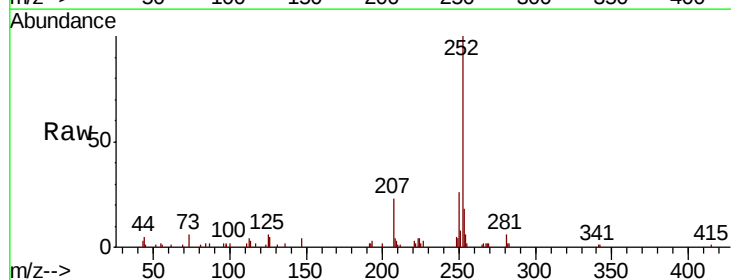
Instrument :
BNA_G
ClientSampleId :

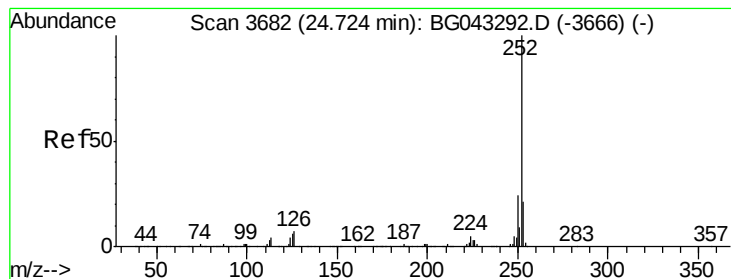
Tot Ion	Ratio	Lower	Upper
252	100		
253	17.7	17.7	26.5
125	6.2	4.5	6.7



#89
Benzo(k)fluoranthene
Concen: 3.573 ng
RT: 23.80 min Scan# 3525
Delta R.T. -0.07 min
Lab File: BG043739.D
Acq: 20 Nov 2019 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.7	18.0	27.0#
125	6.2	4.7	7.1





#90
 Benzo(a)pyrene
 Concen: 2.787 ng
 RT: 24.66 min Scan# 3671
 Delta R.T. -0.01 min
 Lab File: BG043739.D
 Acq: 20 Nov 2019 22:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	3.8	5.0	7.6

