

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043382.D
 Acq On : 29 Oct 2019 20:15
 Operator : JU
 Sample : K5541-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:24:40 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	45635	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	179971	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	129054	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	283943	20.00	ng	0.00
76) Chrysene-d12	21.66	240	304378	20.00	ng	0.00
87) Perylene-d12	24.86	264	364383	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	225409	90.51	ng	0.00
7) Phenol-d6	7.21	99	316245	88.26	ng	0.00
23) Nitrobenzene-d5	9.19	82	193005	55.29	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	182770	74.42	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	461840	49.45	ng	0.00
79) Terphenyl-d14	20.00	244	799286	49.26	ng	0.00

Target Compounds

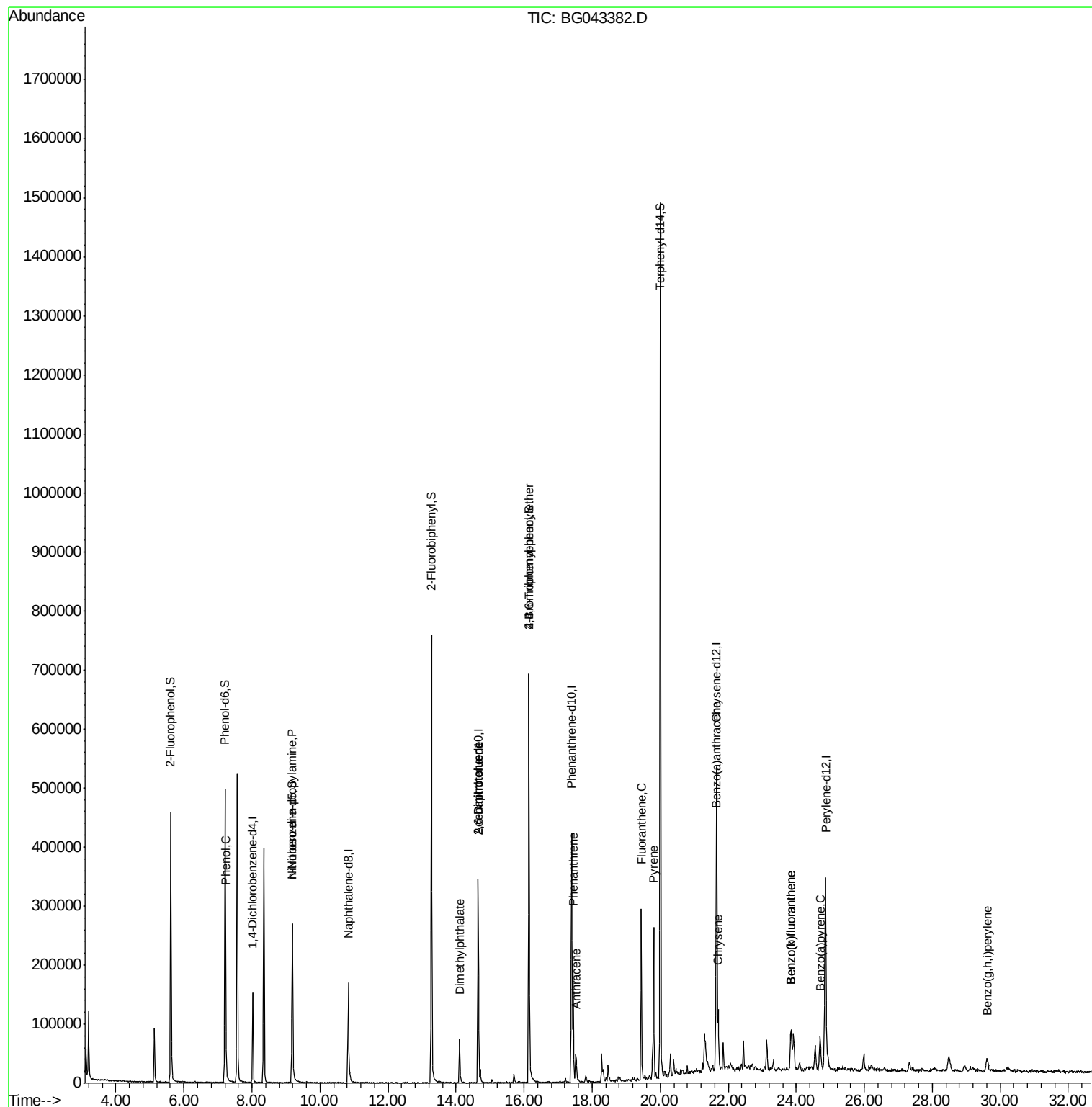
						Qvalue
10) Phenol	7.23	94	7475	2.283	ng	# 55
19) n-Nitroso-di-n-propylamine	9.19	70	25071	10.828	ng	# 72
50) Dimethylphthalate	14.10	163	67043	6.707	ng	# 98
51) 2,6-Dinitrotoluene	14.64	165	17924	8.254	ng	# 23
57) 2,4-Dinitrotoluene	14.64	165	17924	5.775	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	12260	3.208	ng	# 1
71) Phenanthrene	17.44	178	145714	10.022	ng	98
72) Anthracene	17.53	178	30565	2.101	ng	93
75) Fluoranthene	19.45	202	210413	11.100	ng	97
78) Pyrene	19.80	202	179599	9.533	ng	97
81) Benzo(a)anthracene	21.64	228	90486	4.746	ng	99
83) Chrysene	21.70	228	74817	3.949	ng	98
88) Benzo(b)fluoranthene	23.85	252	99996	4.845	ng	# 97
89) Benzo(k)fluoranthene	23.85	252	99996	4.813	ng	98
90) Benzo(a)pyrene	24.70	252	75372	3.825	ng	# 97
92) Benzo(g,h,i)perylene	29.63	276	45038	2.265	ng	# 90

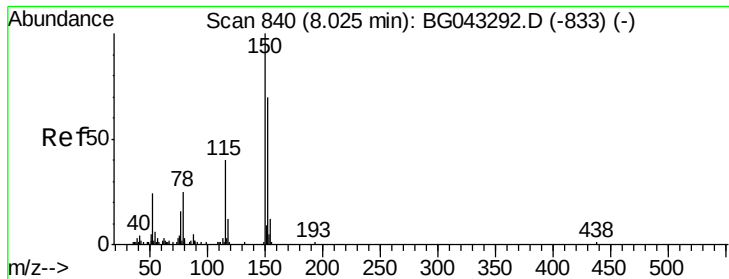
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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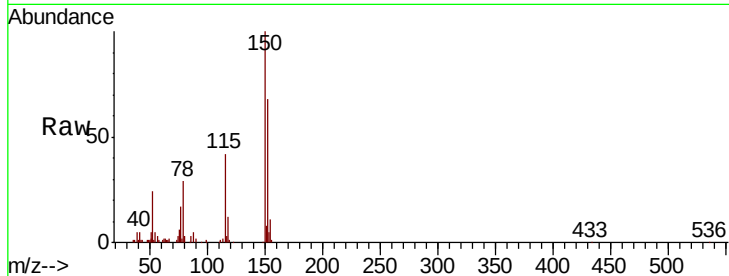


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	113.6	170.4
115	62.5	45.9	68.9

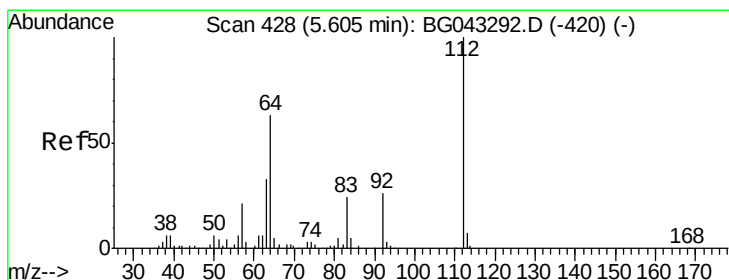
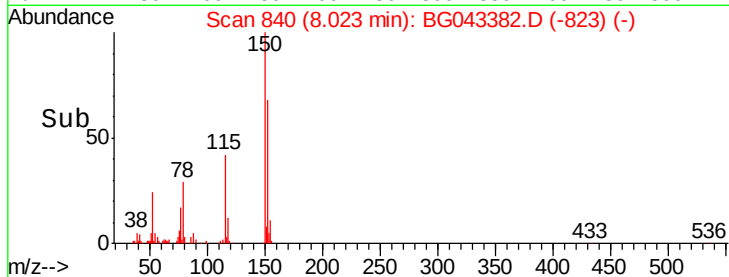
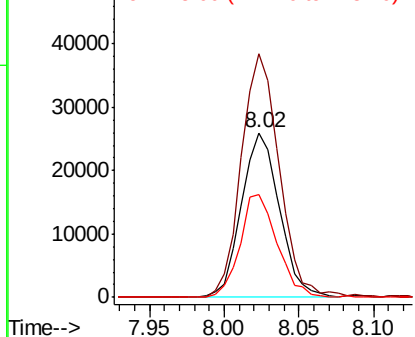


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

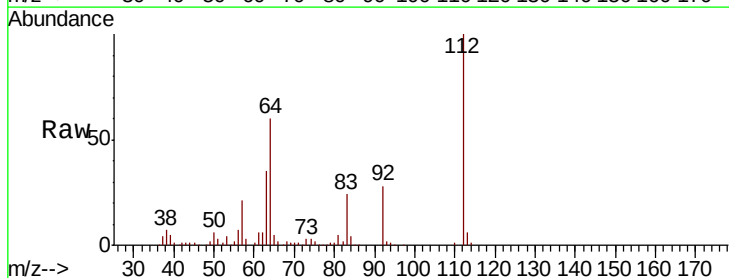
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.512 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	50.2	75.2
63	35.4	26.7	40.1

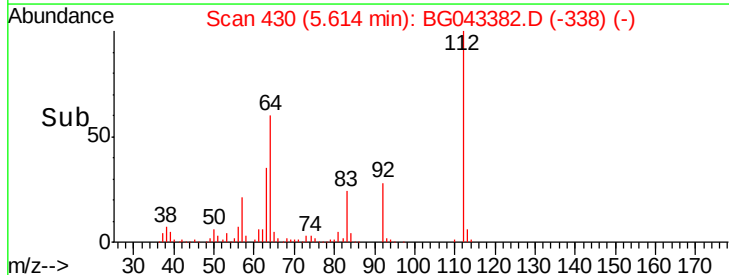
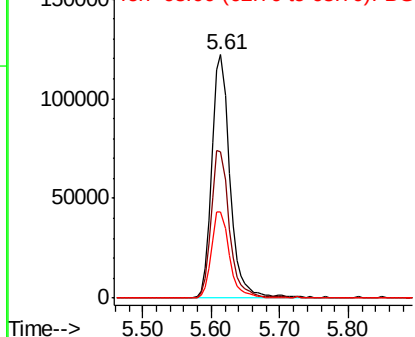


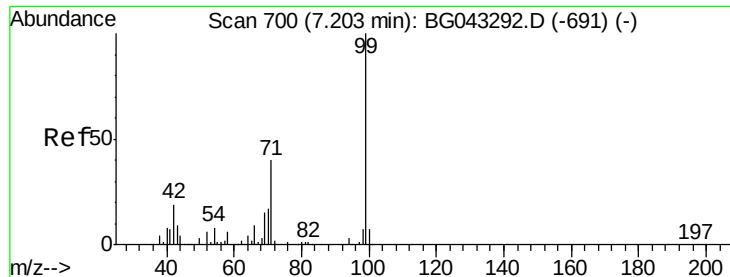
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 88.261 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

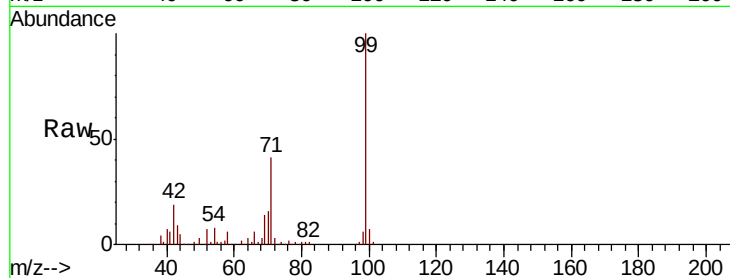
Tot Ion: 99 Resp: 316245

Ion Ratio Lower Upper

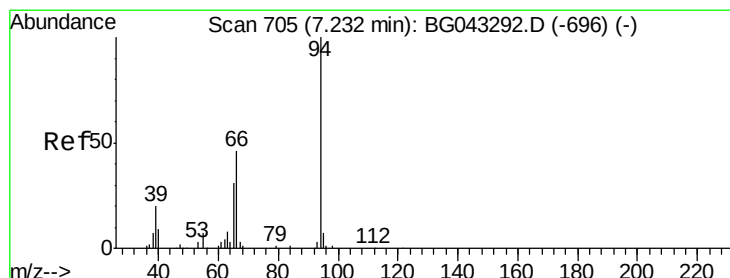
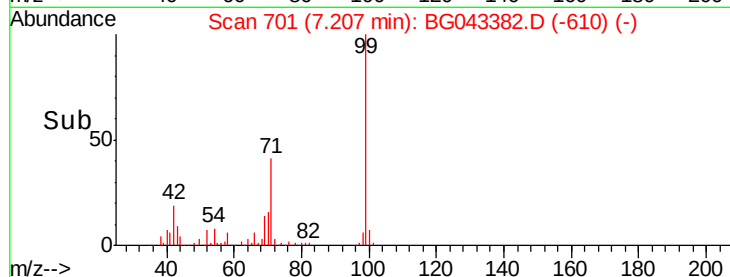
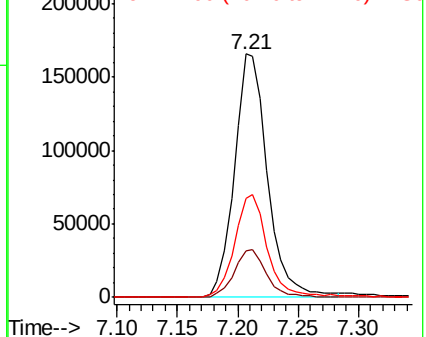
99 100

42 19.0 14.9 22.3

71 40.7 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: 2.283 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

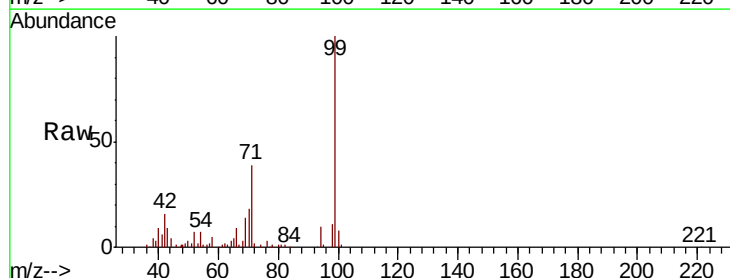
Tgt Ion: 94 Resp: 7475

Ion Ratio Lower Upper

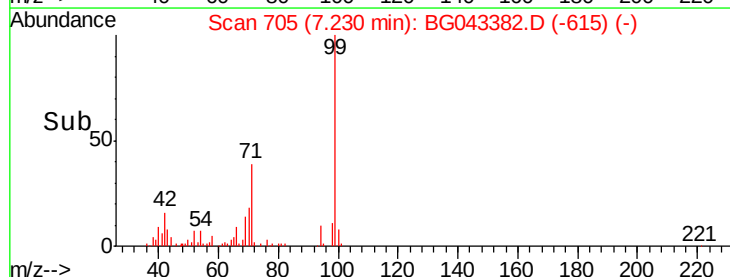
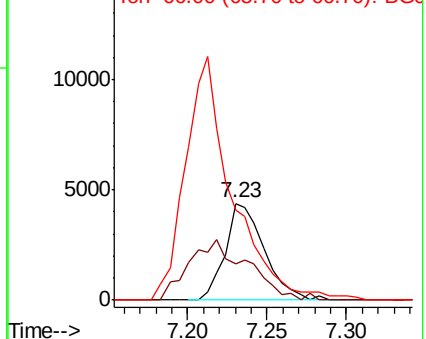
94 100

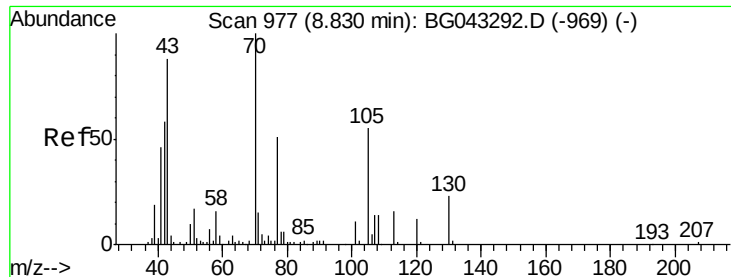
65 37.6 11.1 51.1

66 93.2 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





#19

n-Nitroso-di-n-propylamine

Concen: 10.828 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 25071

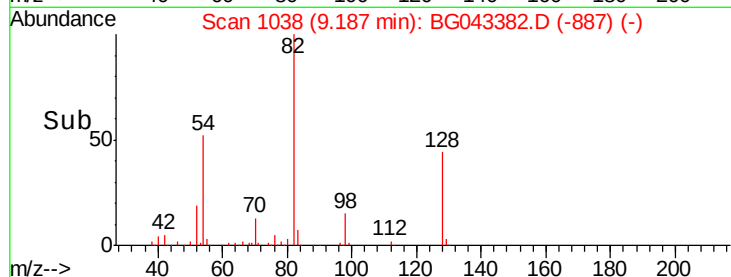
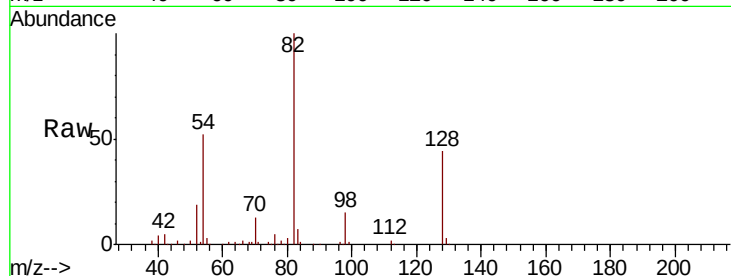
Ion Ratio Lower Upper

70 100

42 41.1 46.2 69.2#

101 0.0 8.6 13.0#

130 2.1 18.6 27.8#

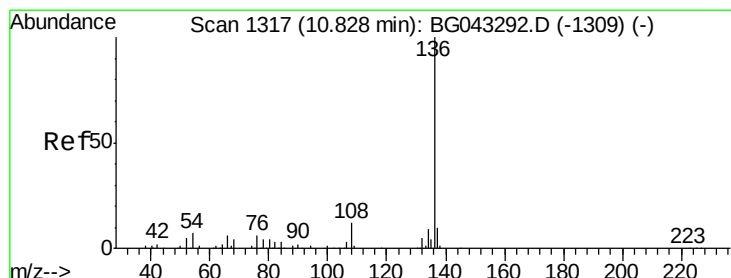
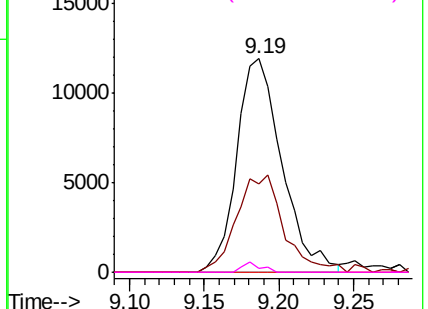


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Tgt Ion:136 Resp: 179971

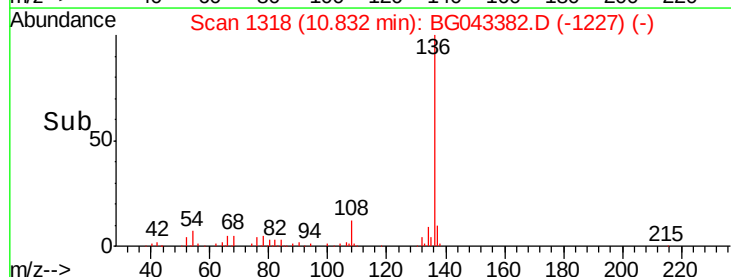
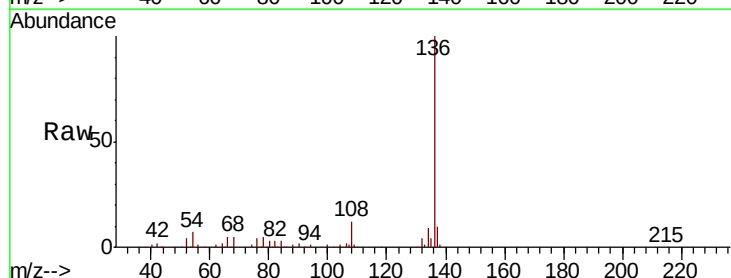
Ion Ratio Lower Upper

136 100

137 10.1 8.2 12.2

54 7.1 5.4 8.2

68 4.7 3.3 4.9

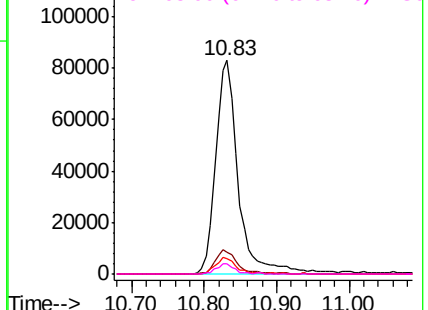


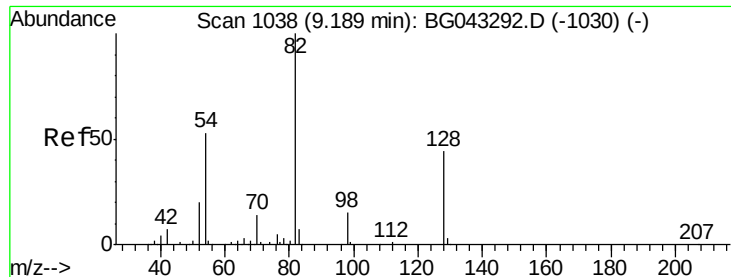
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

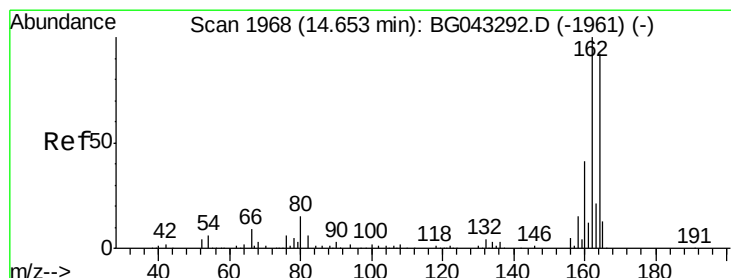
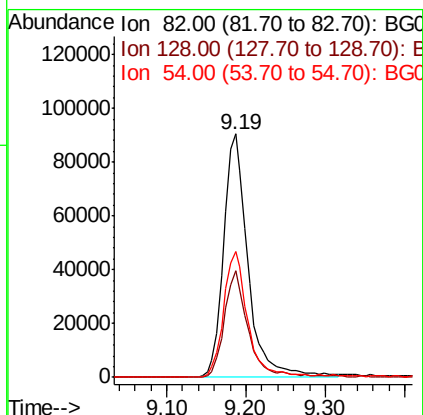
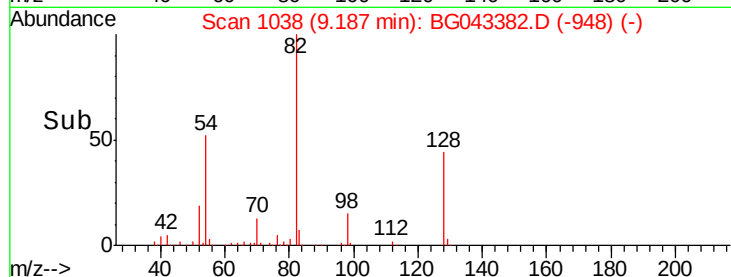
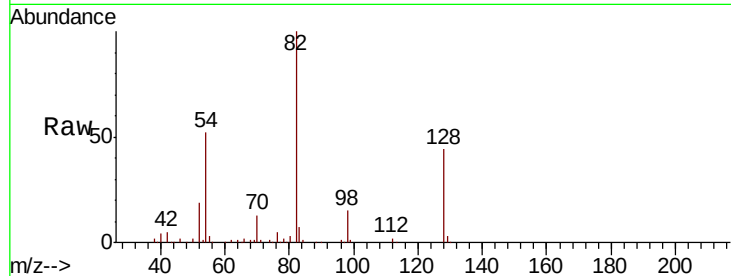




#23
Nitrobenzene-d5
Concen: 55.288 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

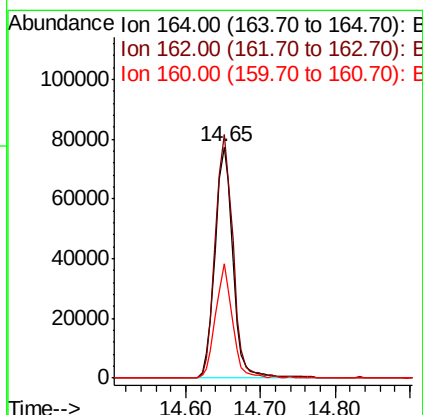
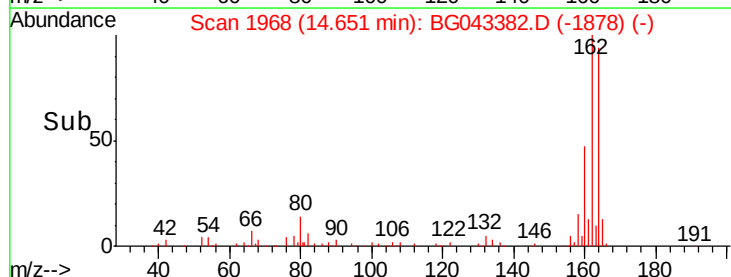
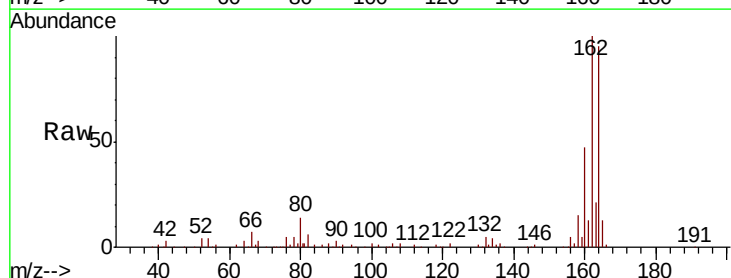
Instrument :
BNA_G
ClientSampled :

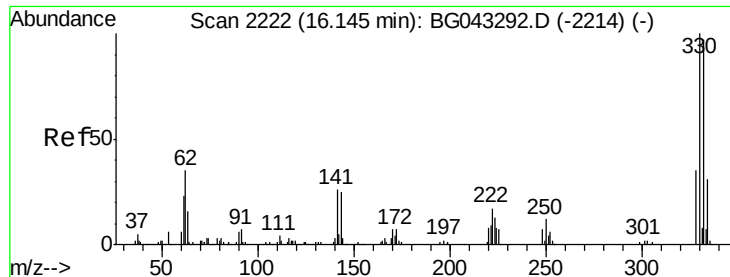
Tot Ion: 82 Resp: 193005
Ion Ratio Lower Upper
82 100
128 43.5 35.3 52.9
54 51.6 42.3 63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion:164 Resp: 129054
Ion Ratio Lower Upper
164 100
162 105.3 87.0 130.4
160 49.5 35.5 53.3

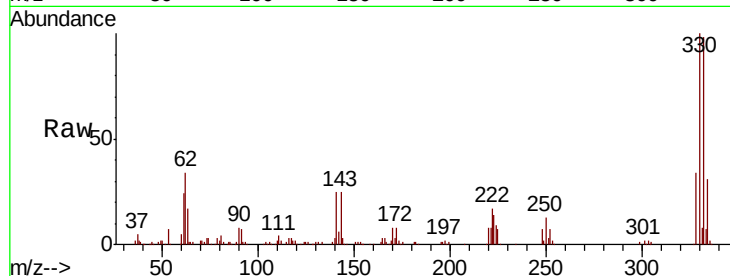




#42
 2,4,6-Tribromophenol
 Concen: 74.421 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.4	114.6
141	28.0	21.4	32.0

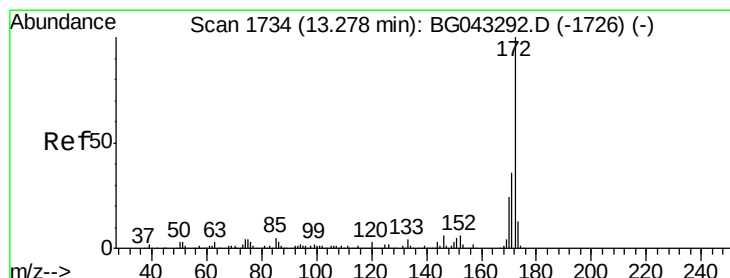
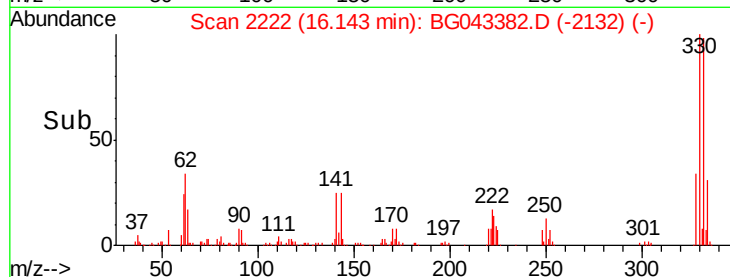
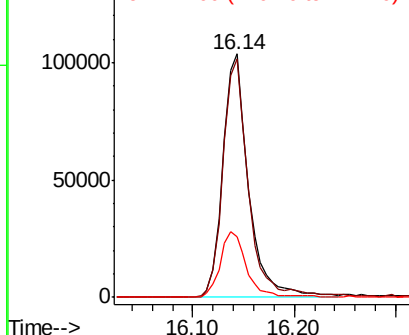


Abundance

Ion 329.80 (329.50 to 330.50): E

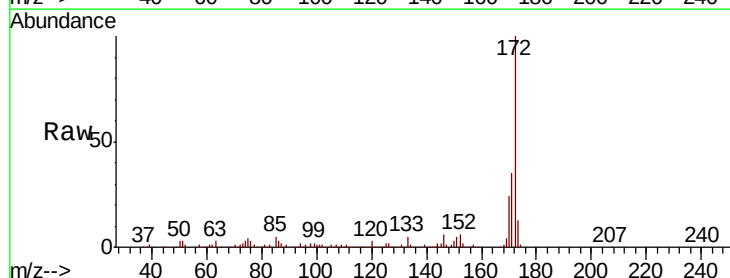
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 49.450 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.7	18.8	28.2

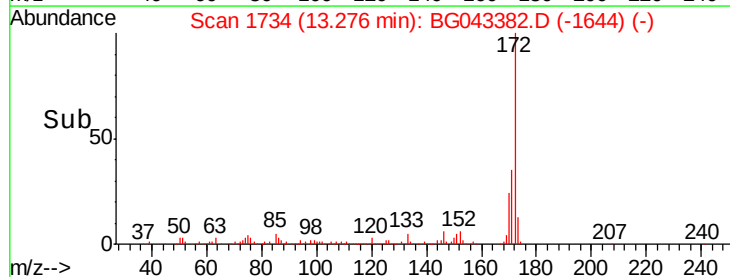
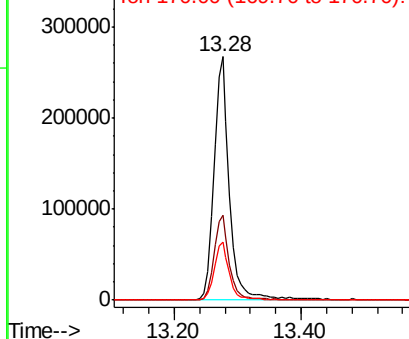


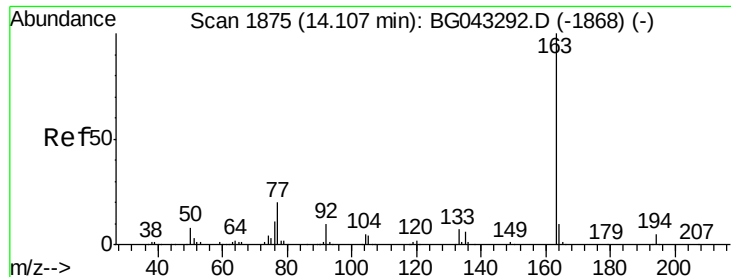
Abundance

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: 6.707 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

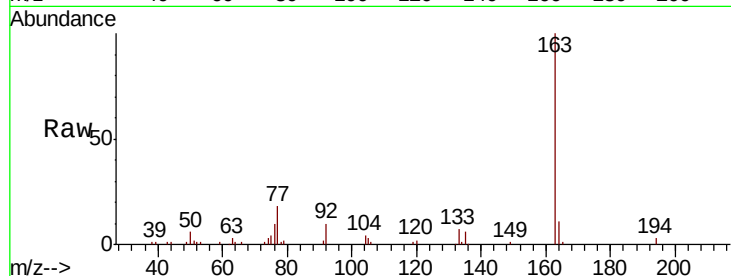
Tot Ion:163 Resp: 67043

Ion Ratio Lower Upper

163 100

194 3.5 3.7 5.5#

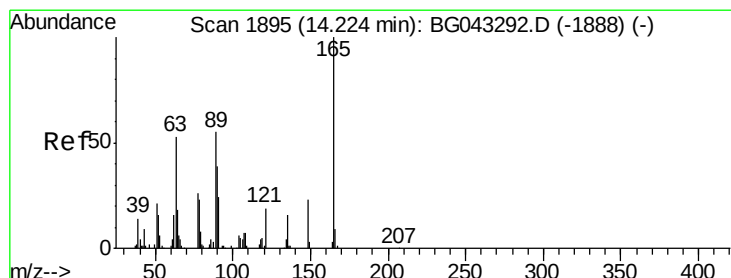
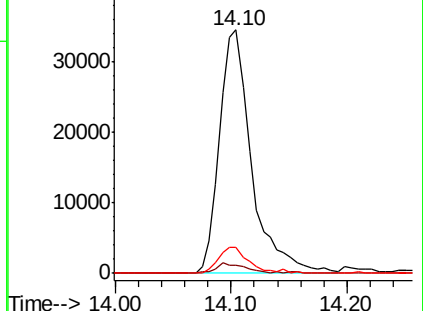
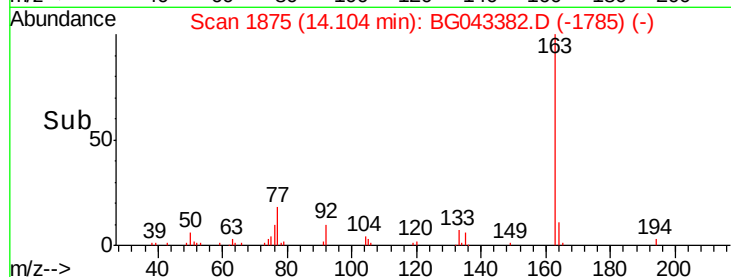
164 10.8 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 8.254 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.42 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

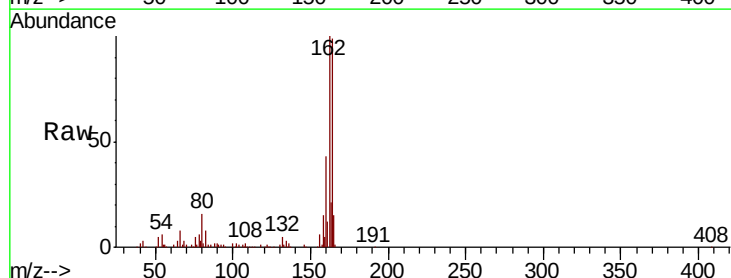
Tgt Ion:165 Resp: 17924

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

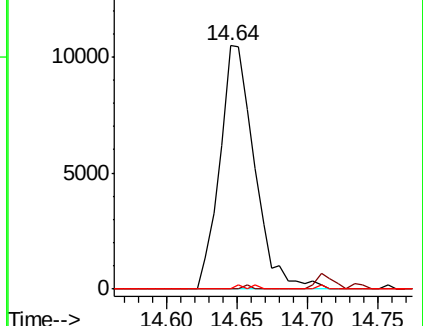
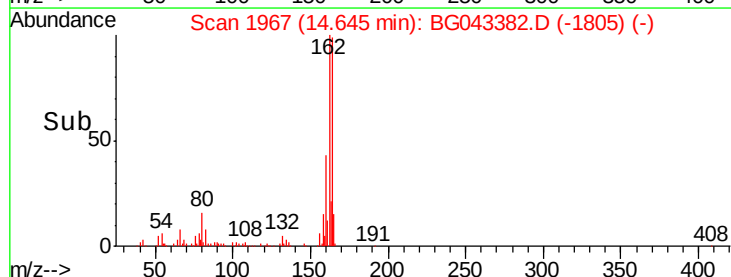
89 0.0 43.7 65.5#

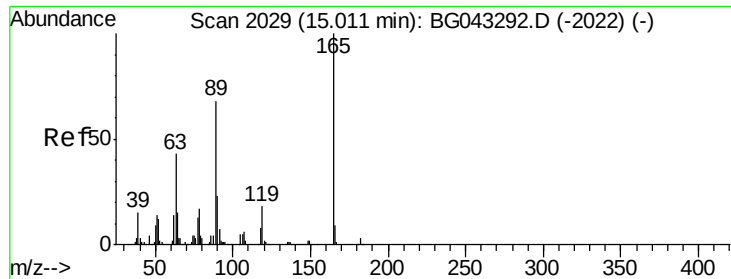


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

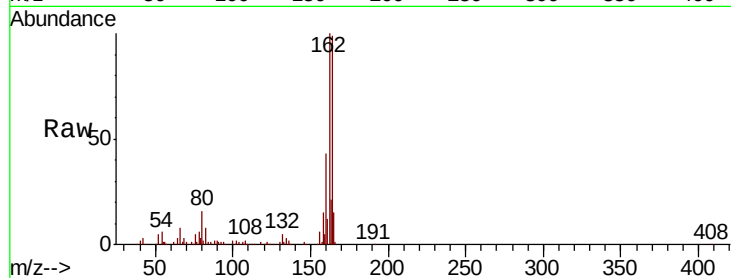




#57
 2,4-Dinitrotoluene
 Concen: 5.775 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

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#

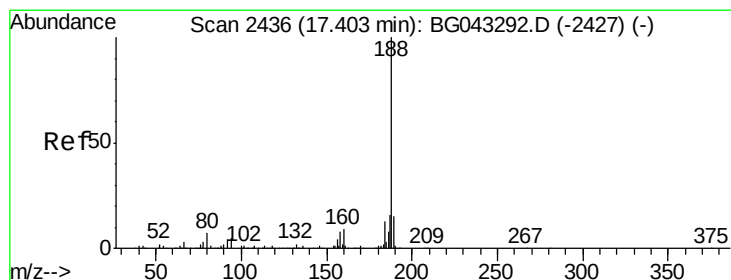
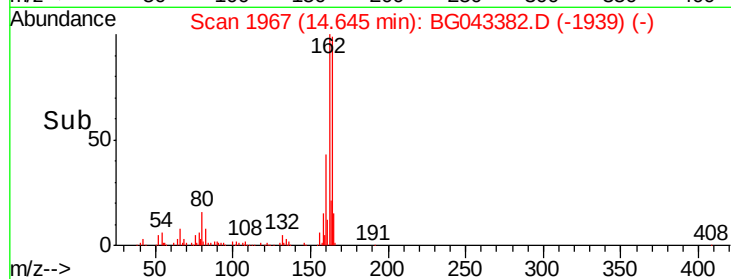
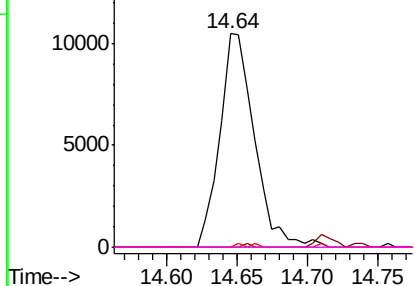


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

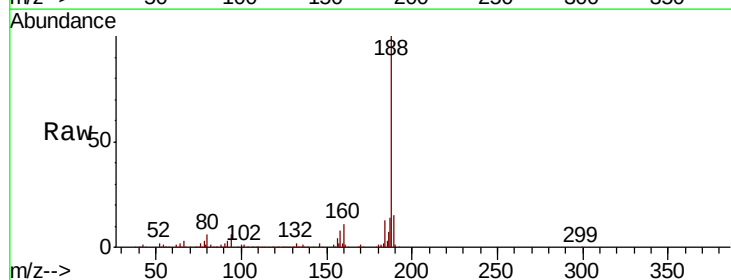
Ion 89.00 (88.70 to 89.70): BGC

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: BG043382.D
 Acq: 29 Oct 2019 20:15

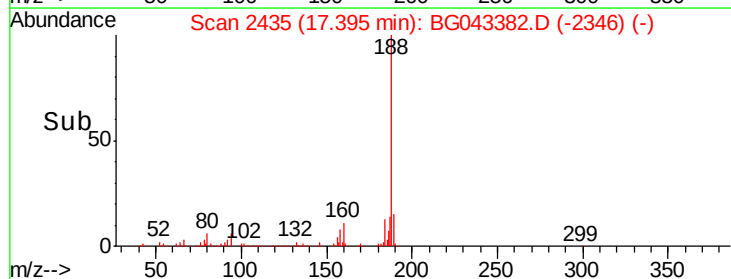
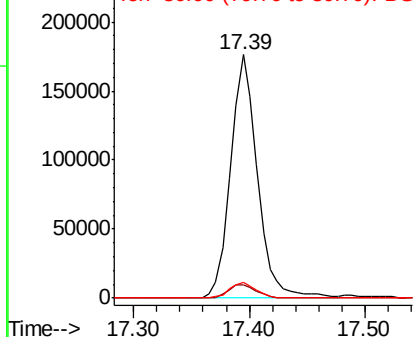
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.2	6.2
80	6.3	5.2	7.8

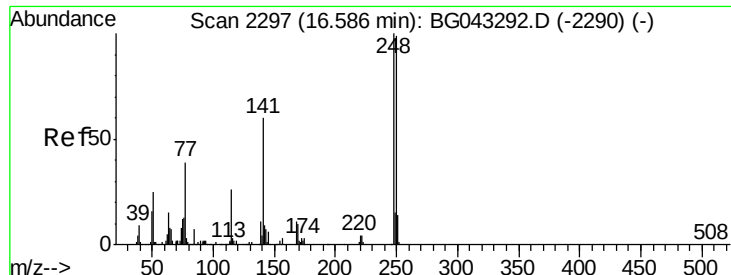


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

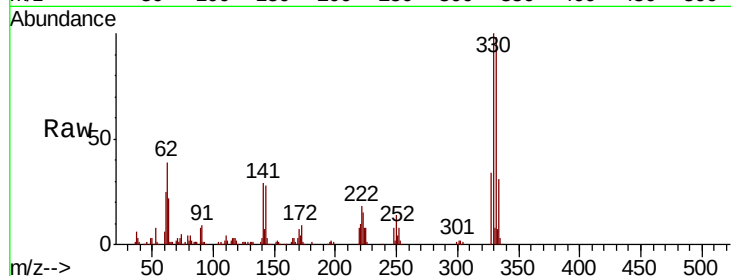




#67
 4-Bromophenyl-phenylether
 Concen: 3.208 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	183.6	79.3	118.9#
141	388.2	47.9	71.9#

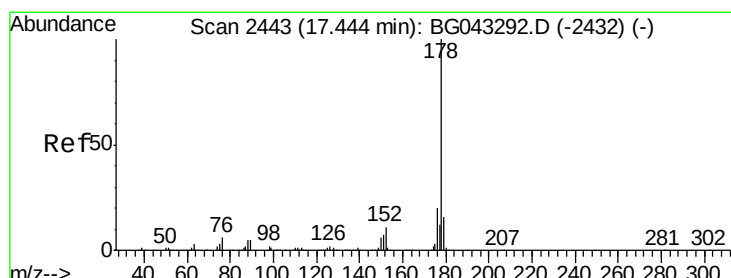
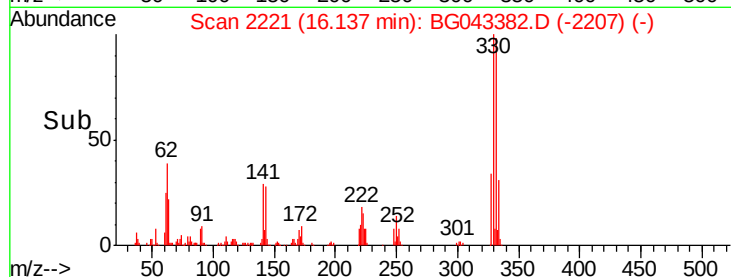
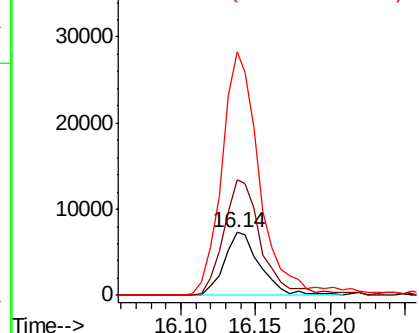


Abundance

Ion 248.00 (247.70 to 248.70): E

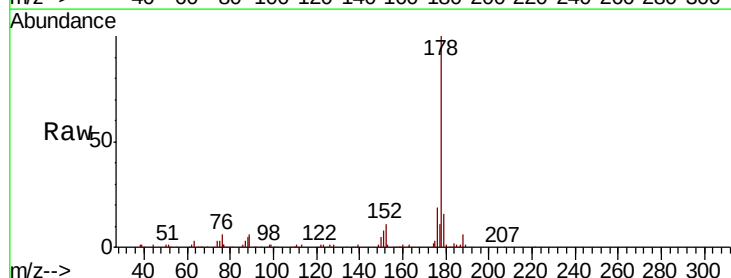
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 10.022 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG043382.D
 Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.8	13.1	19.7

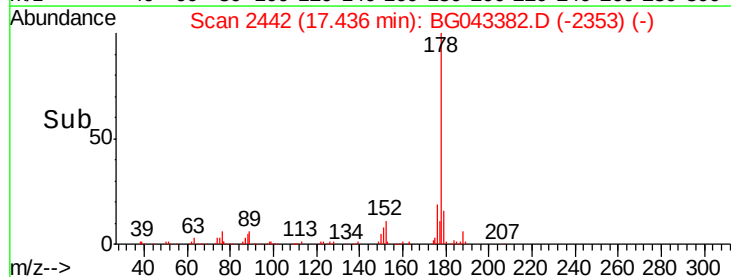
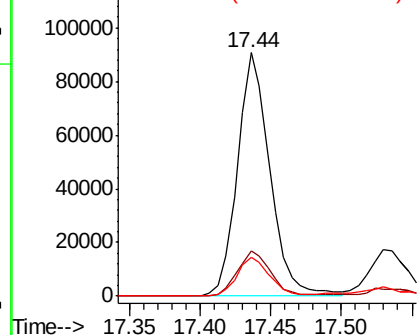


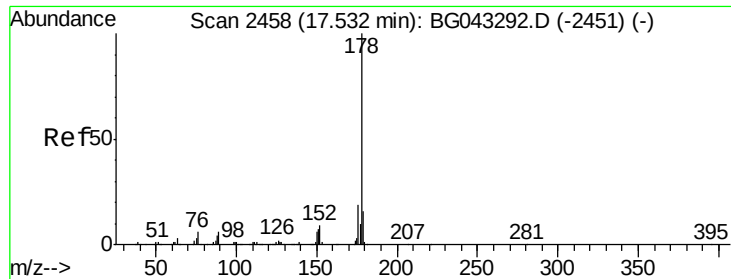
Abundance

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





#72

Anthracene

Concen: 2.101 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

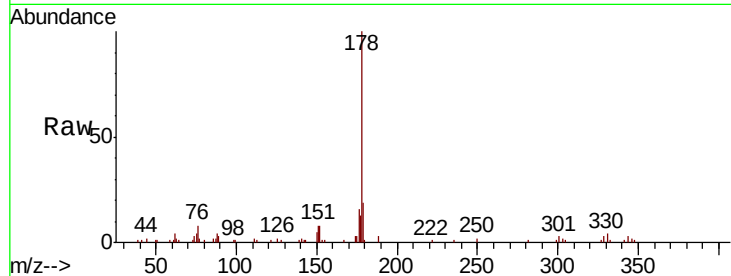
Tot Ion:178 Resp: 30565

Ion Ratio Lower Upper

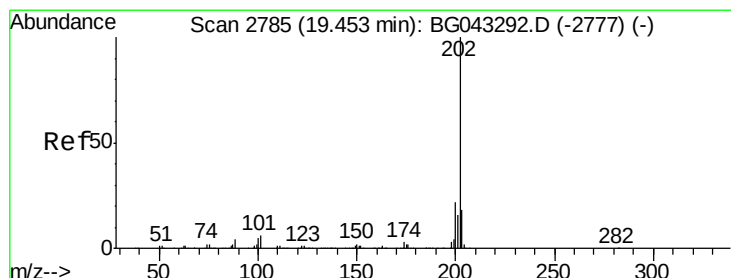
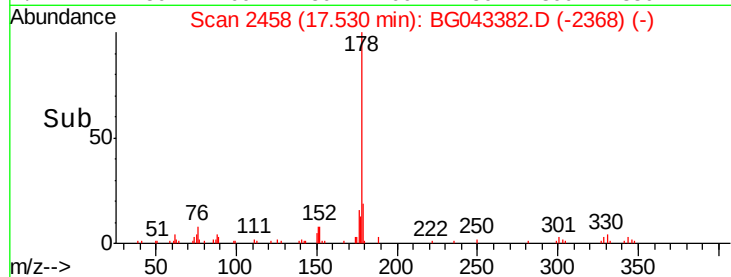
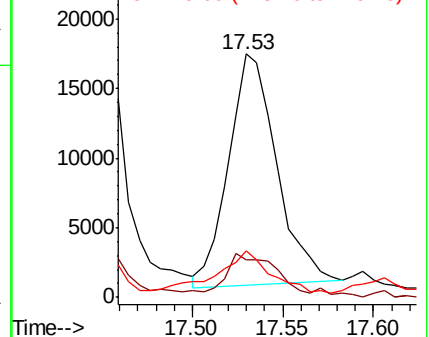
178 100

176 15.7 15.1 22.7

179 18.9 13.0 19.6



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: 11.100 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

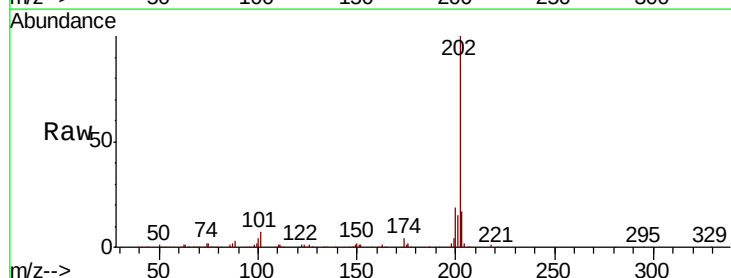
Tgt Ion:202 Resp: 210413

Ion Ratio Lower Upper

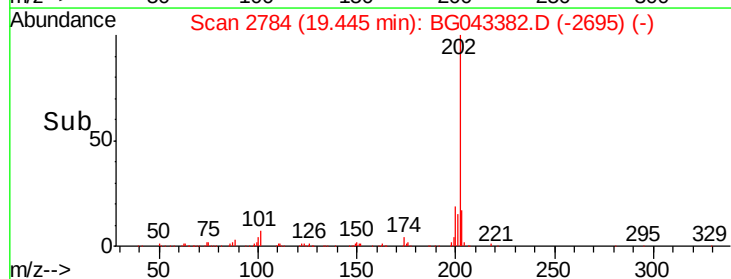
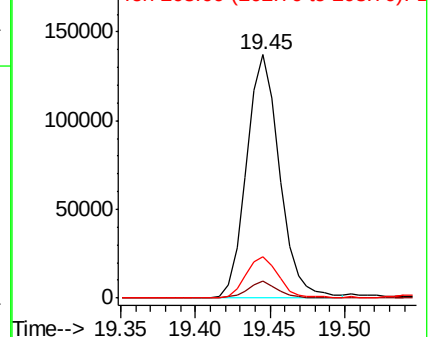
202 100

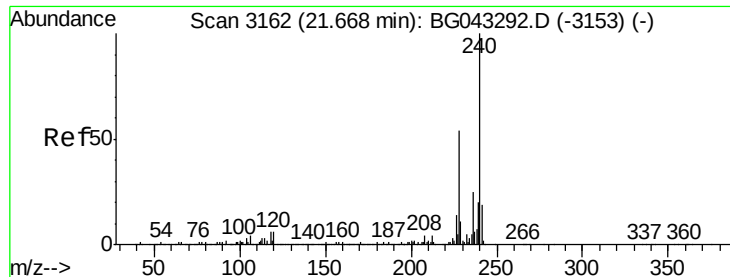
101 6.8 0.0 26.0

203 17.0 0.0 38.2



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

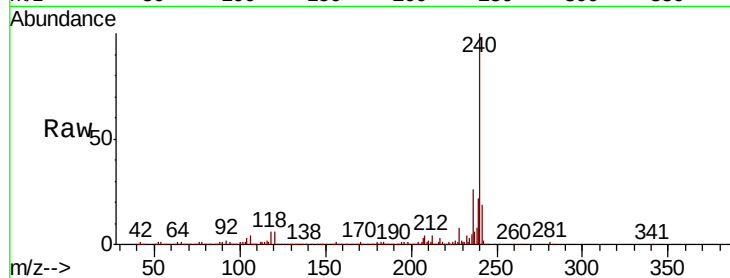
Tot Ion:240 Resp: 304378

Ion Ratio Lower Upper

240 100

120 5.6 4.6 7.0

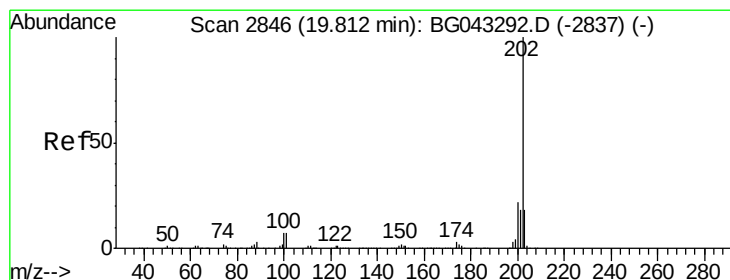
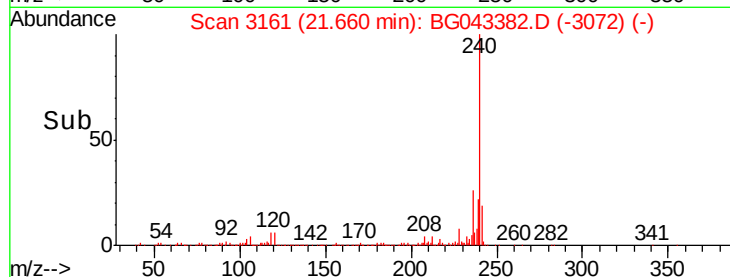
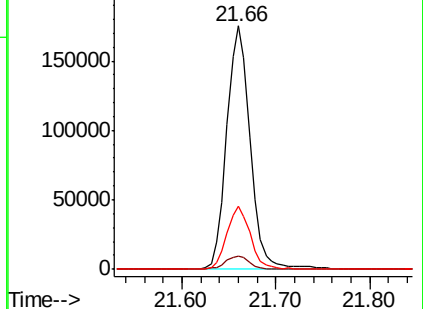
236 26.0 20.2 30.4



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



#78

Pyrene

Concen: 9.533 ng

RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

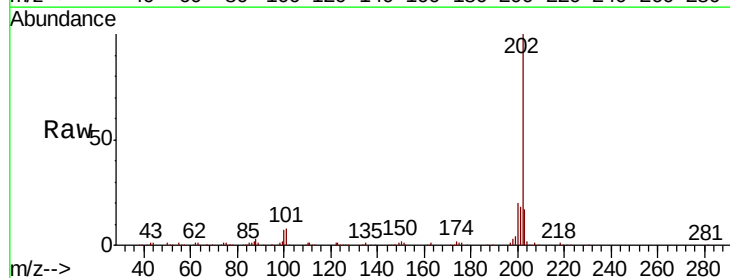
Tgt Ion:202 Resp: 179599

Ion Ratio Lower Upper

202 100

200 20.1 17.3 25.9

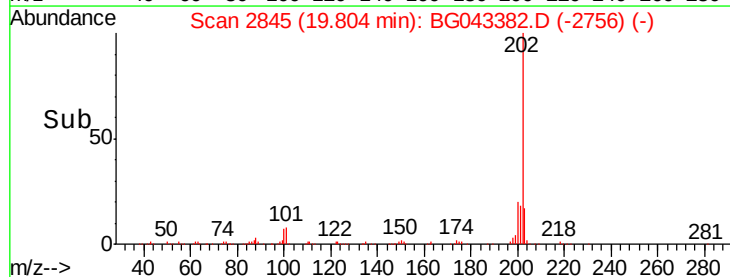
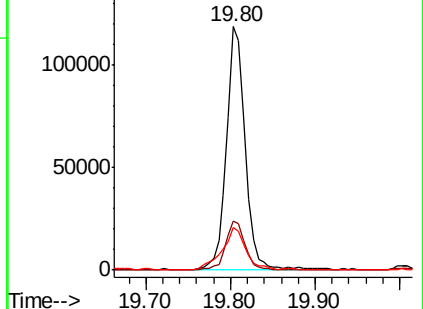
203 17.3 14.5 21.7

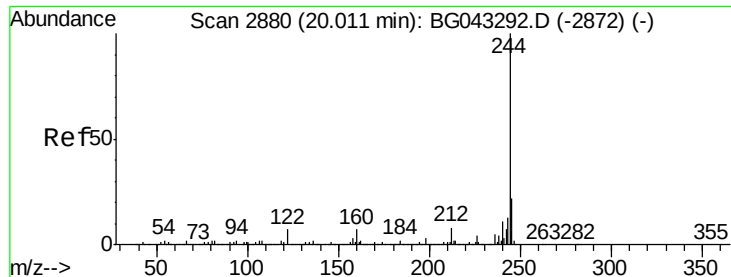


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.265 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

Instrument :

BNA_G

ClientSampleId :

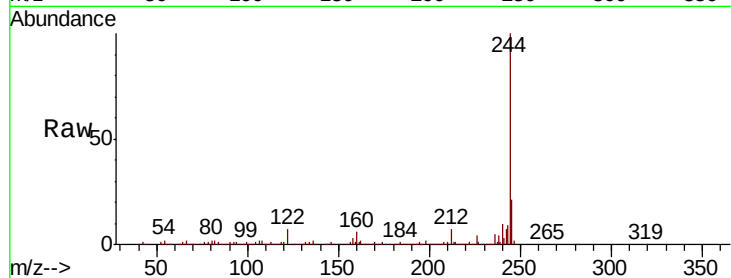
Tot Ion:244 Resp: 799286

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

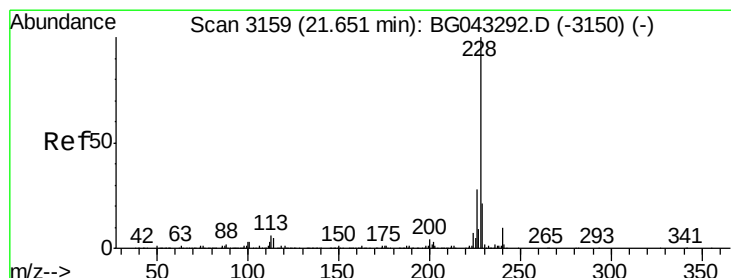
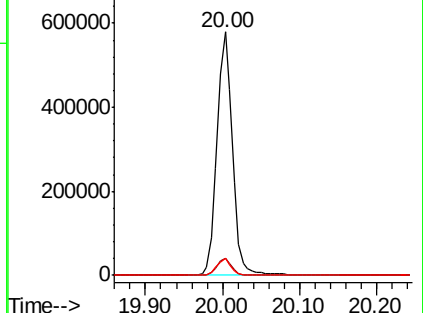
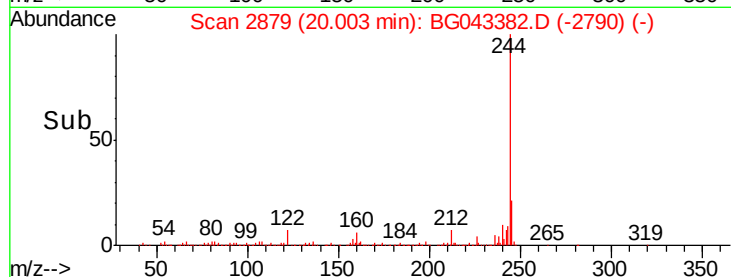
122 7.0 5.3 7.9



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



#81

Benzo(a)anthracene

Concen: 4.746 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043382.D

Acq: 29 Oct 2019 20:15

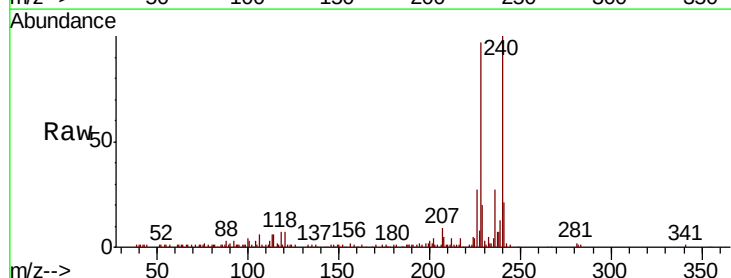
Tgt Ion:228 Resp: 90486

Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.4

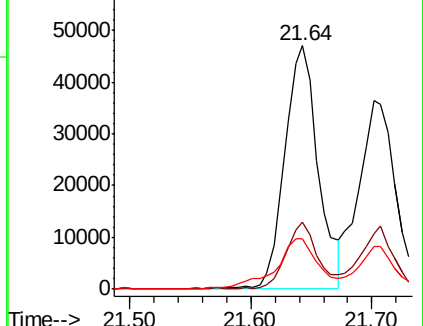
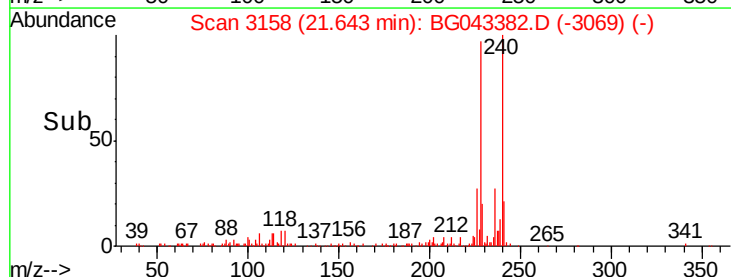
229 20.9 16.9 25.3

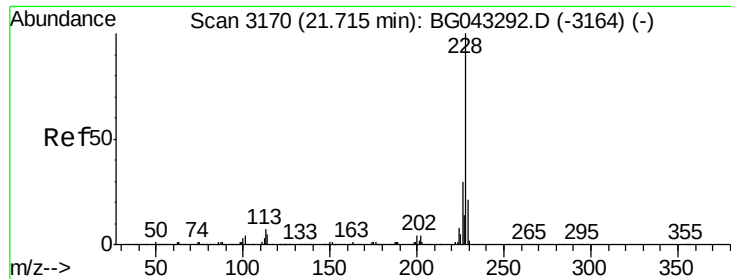


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

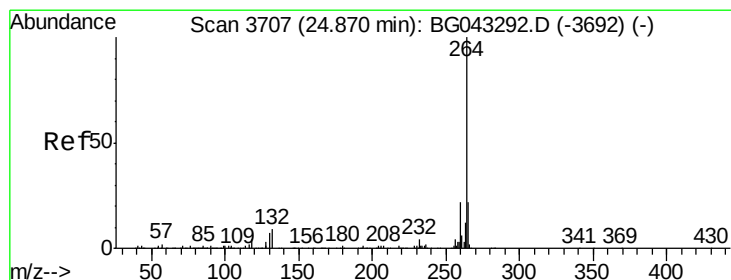
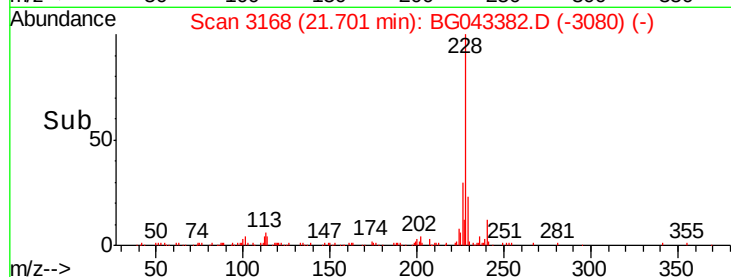
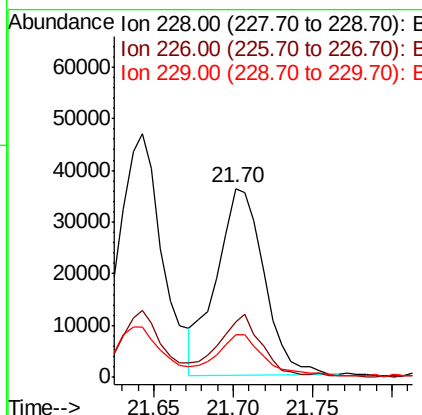
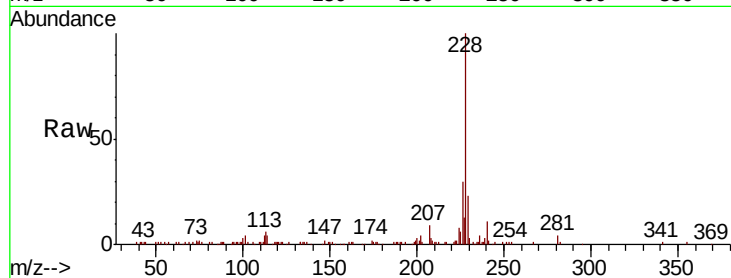




#83
Chrysene
Concen: 3.949 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

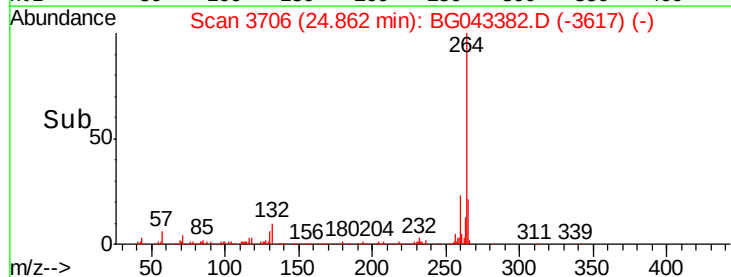
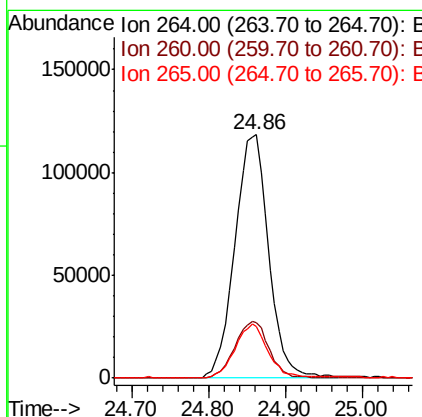
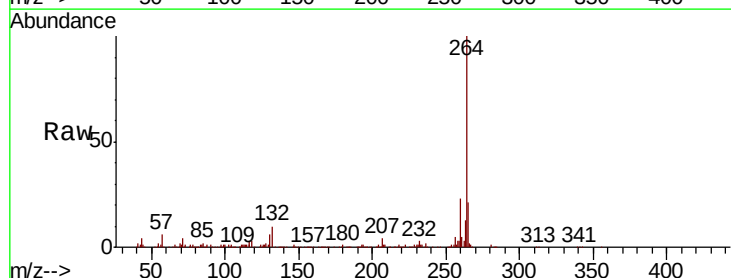
Instrument :
BNA_G
ClientSampleId :

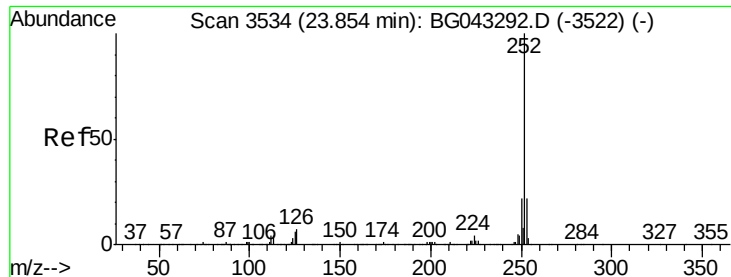
Tot Ion:228 Resp: 74817
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 22.6 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion:264 Resp: 364383
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 21.4 17.4 26.2

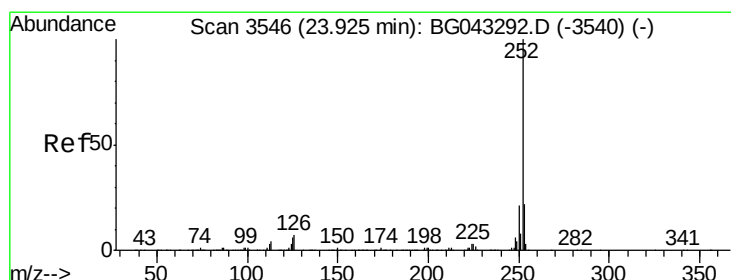
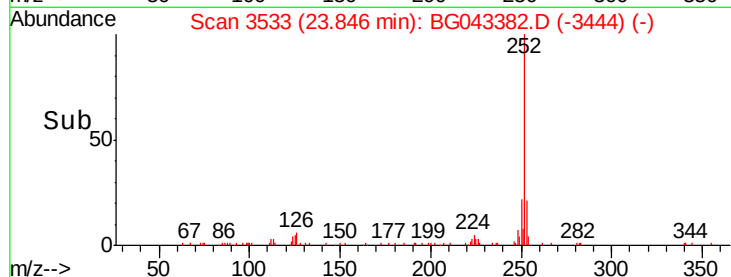
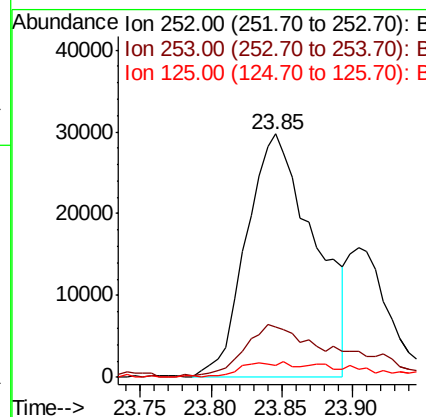
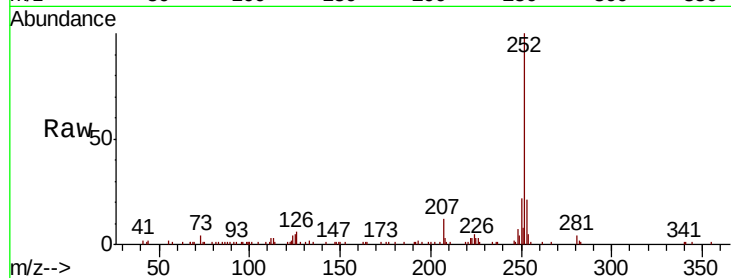




#88
Benzo(b)fluoranthene
Concen: 4.845 ng
RT: 23.85 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

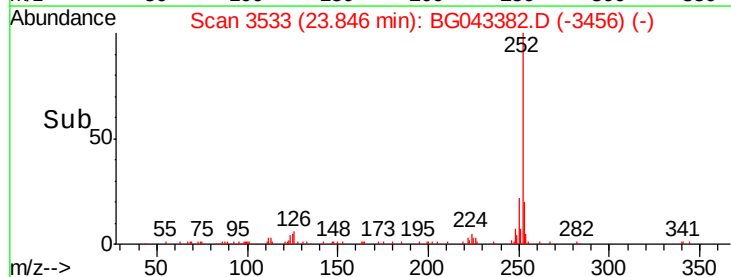
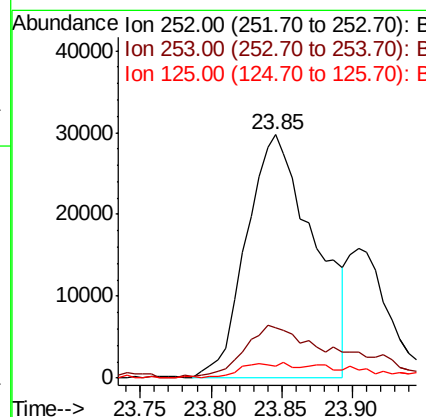
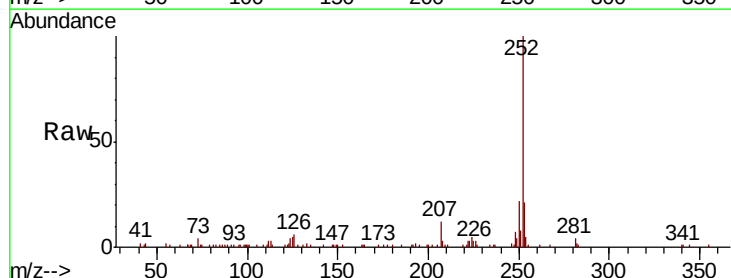
Instrument :
BNA_G
ClientSampleId :

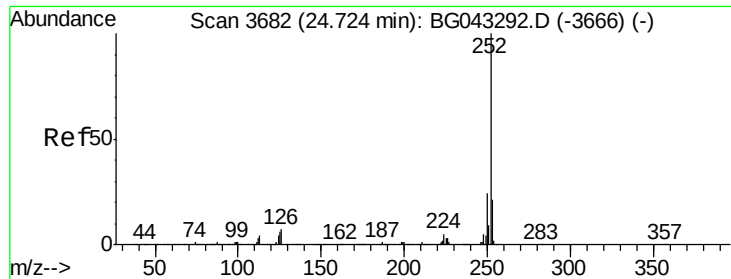
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	4.8	5.0	7.6#



#89
Benzo(k)fluoranthene
Concen: 4.813 ng
RT: 23.85 min Scan# 3533
Delta R.T. -0.08 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	4.8	4.5	6.7

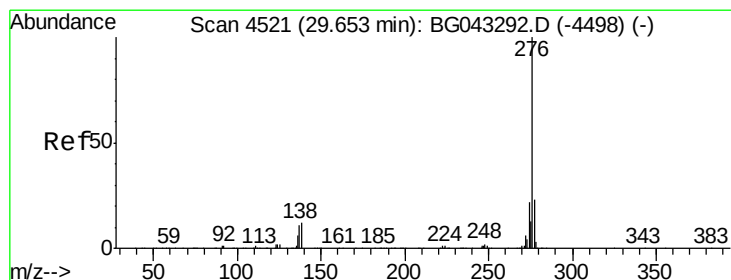
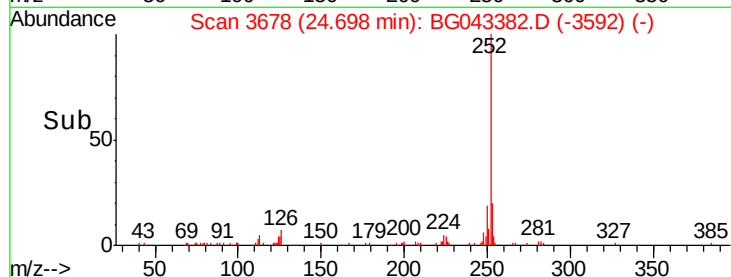
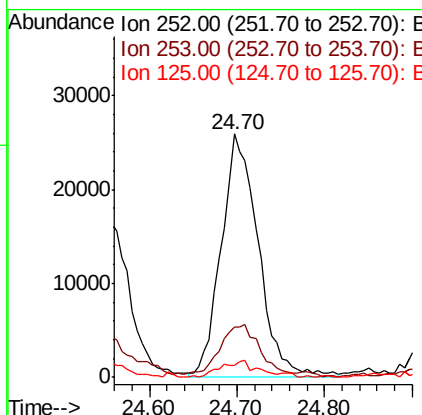
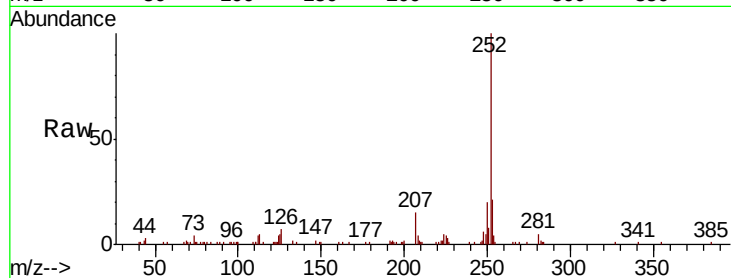




#90
Benzo(a)pyrene
Concen: 3.825 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.03 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 75372
Ion Ratio Lower Upper
252 100
253 20.6 17.2 25.8
125 4.7 5.0 7.6#



#92
Benzo(g,h,i)perylene
Concen: 2.265 ng
RT: 29.63 min Scan# 4517
Delta R.T. -0.03 min
Lab File: BG043382.D
Acq: 29 Oct 2019 20:15

Tgt Ion:276 Resp: 45038
Ion Ratio Lower Upper
276 100
277 18.5 18.3 27.5
138 16.0 9.3 13.9#

