

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043959.D
 Acq On : 7 Jan 2020 18:14
 Operator : JU
 Sample : L1039-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 301-305

Quant Time: Jan 08 02:50:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

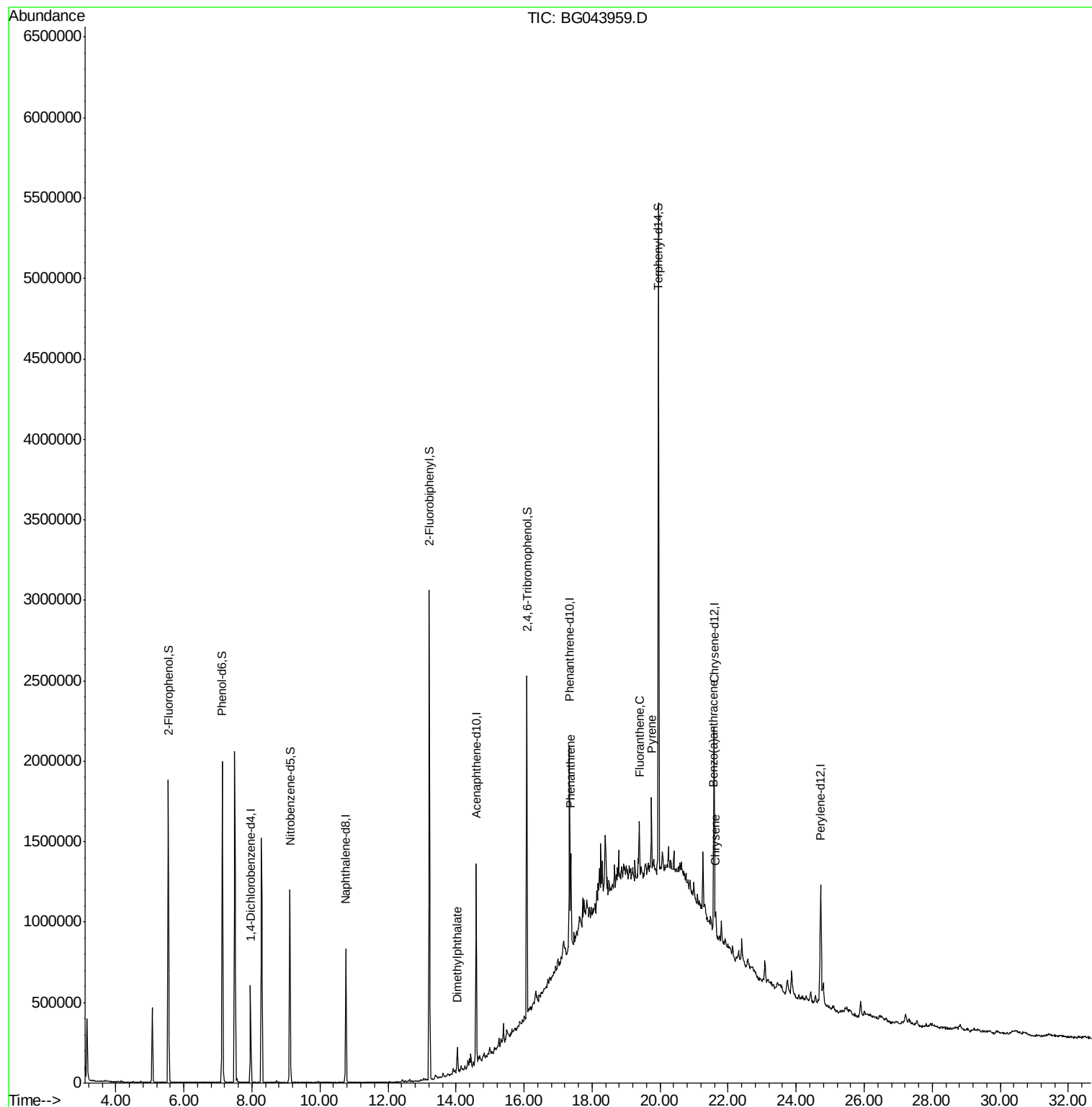
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	178678	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	737685	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	428957	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	774227	20.00	ng	0.00
76) Chrysene-d12	21.59	240	665252	20.00	ng	0.00
87) Perylene-d12	24.72	264	774583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	885302	90.97	ng	0.00
7) Phenol-d6	7.13	99	1242656	91.35	ng	0.00
23) Nitrobenzene-d5	9.12	82	755982	54.82	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	382847	85.29	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1556972	65.76	ng	0.00
79) Terphenyl-d14	19.95	244	1773192	58.64	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.04	163	101450	3.331	ng	99
71) Phenanthrene	17.38	178	362162	9.752	ng	97
75) Fluoranthene	19.39	202	187599	4.417	ng	98
78) Pyrene	19.75	202	289040	6.656	ng	95
81) Benzo(a)anthracene	21.57	228	111230	2.696	ng	96
83) Chrysene	21.63	228	110409	2.817	ng	96

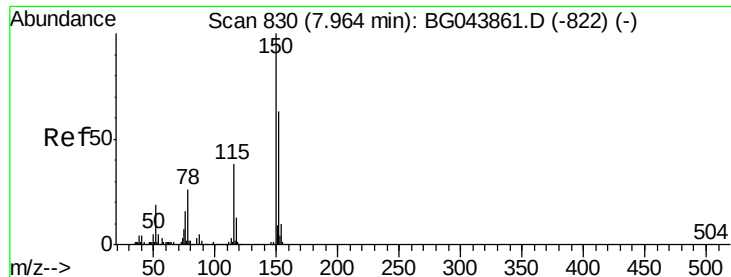
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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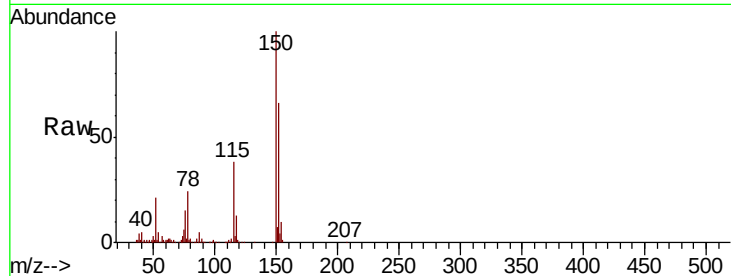


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Instrument :
BNA_G
ClientSampleId :
301-305

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	127.0	190.4
115	58.0	47.8	71.8

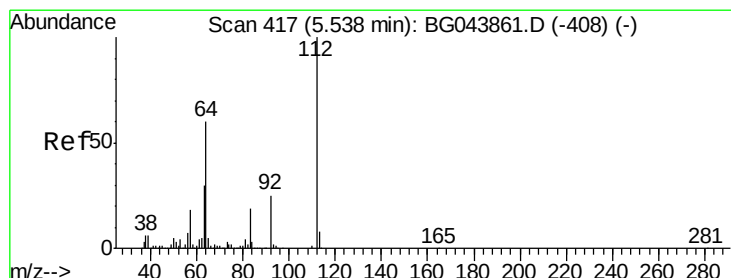
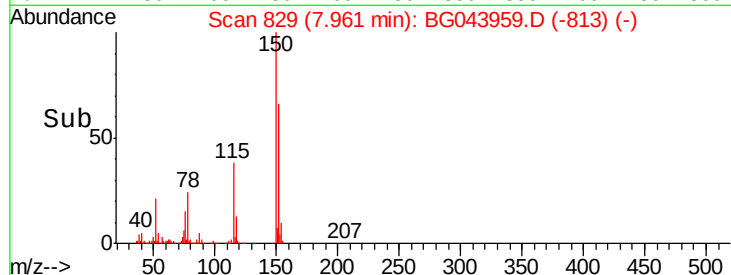
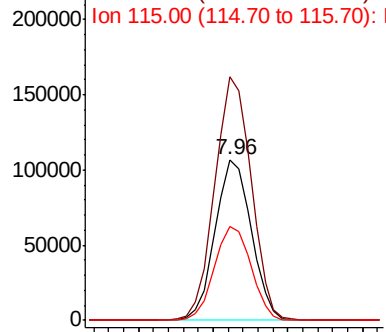


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

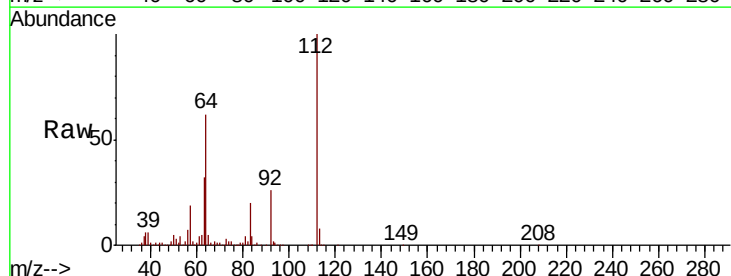
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.975 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.8	71.6
63	31.6	24.3	36.5

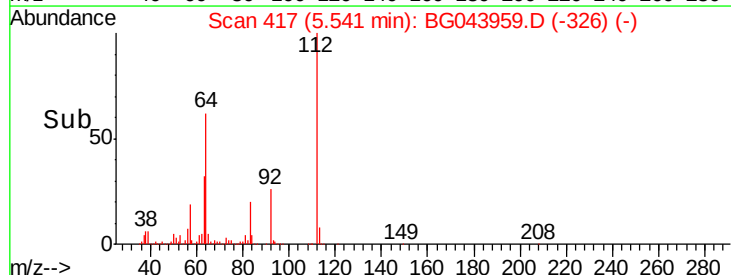
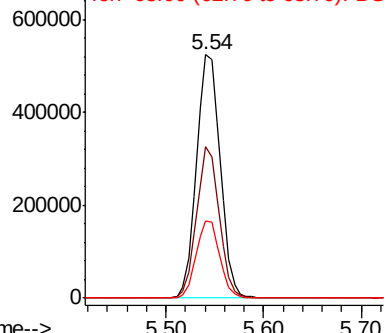


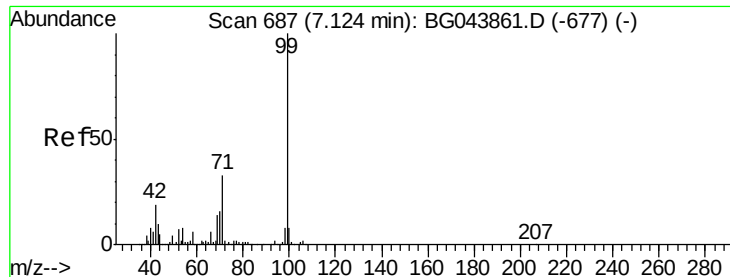
Abundance

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: 91.355 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Instrument :

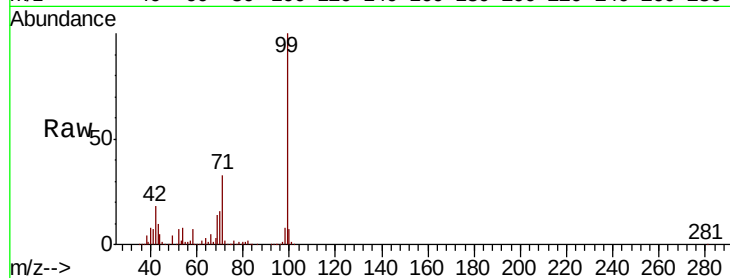
BNA_G

ClientSampleId :

301-305

Tot Ion: 99 Resp: 1242656

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.9	22.3
71	33.5	26.4	39.6

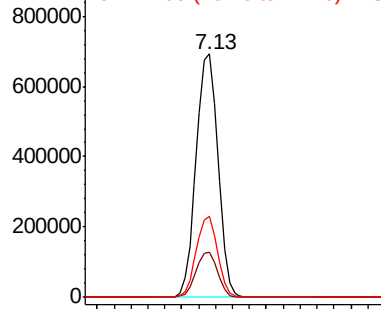


Abundance

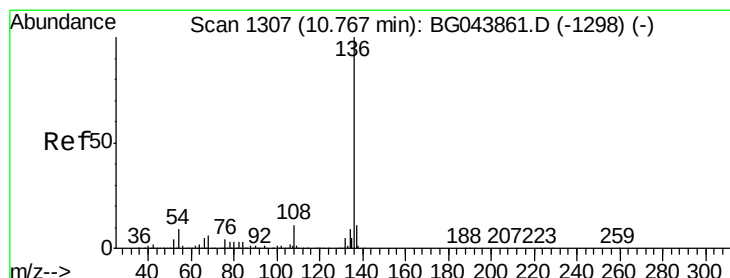
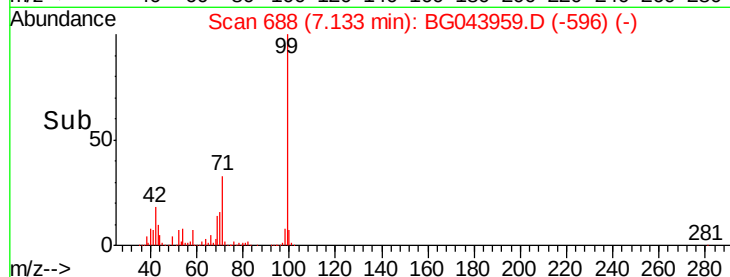
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

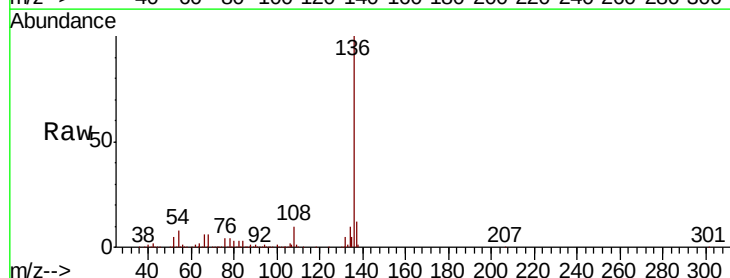
Delta R.T. -0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Tgt Ion: 136 Resp: 737685

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	8.5	7.0	10.4
68	6.1	4.9	7.3



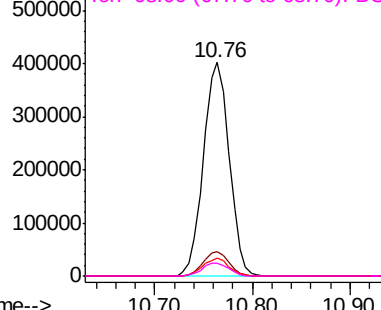
Abundance

Ion 136.00 (135.70 to 136.70): BGC

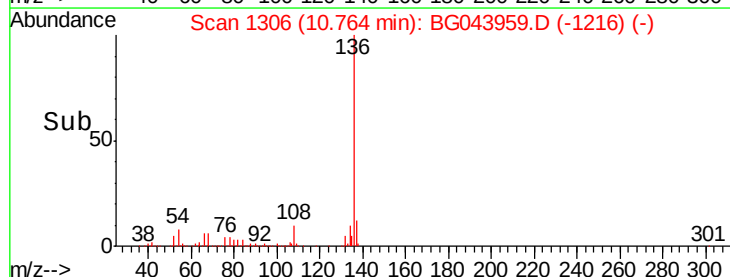
Ion 137.00 (136.70 to 137.70): BGC

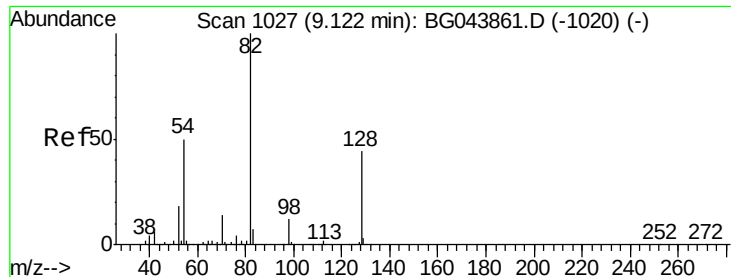
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

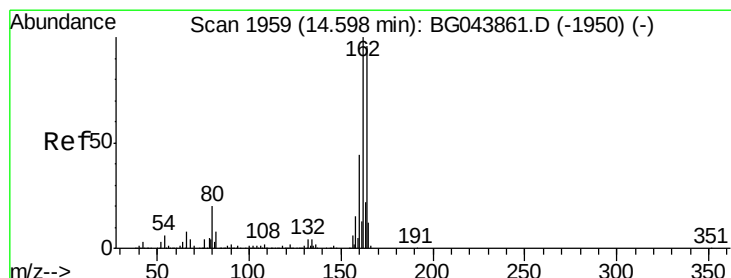
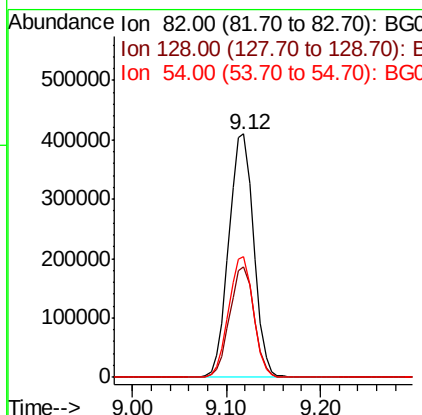
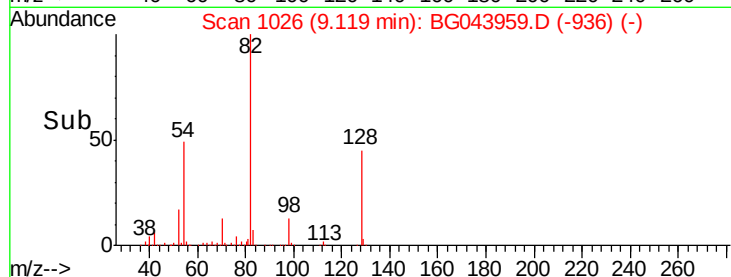
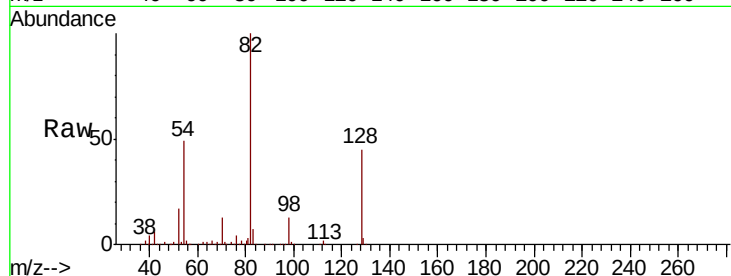




#23
Nitrobenzene-d5
Concen: 54.823 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

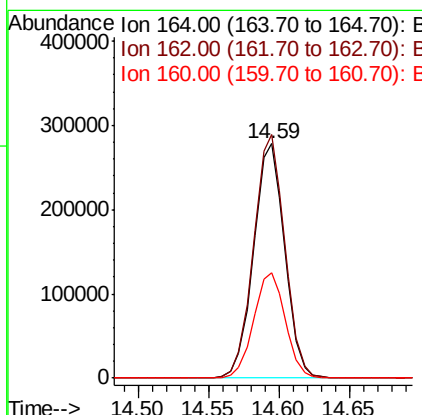
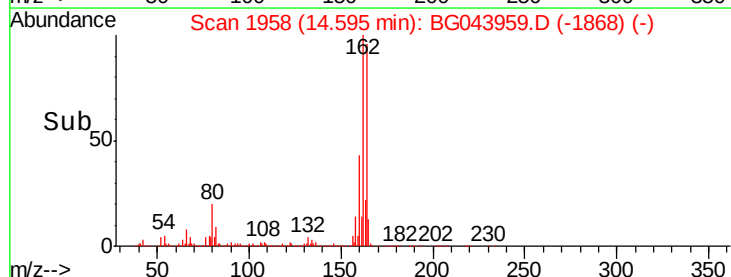
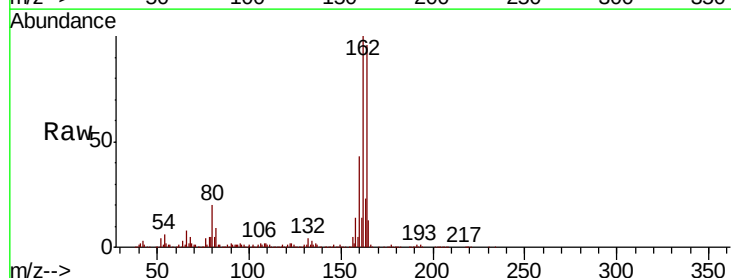
Instrument :
BNA_G
ClientSampled :
301-305

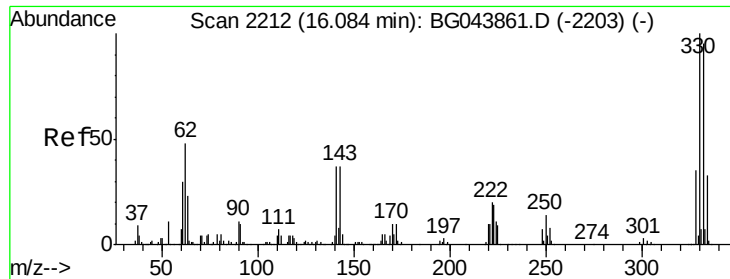
Tot Ion	82	Resp	755982
Ion Ratio	Lower	Upper	
82	100		
128	45.2	35.1	52.7
54	49.4	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion	164	Resp	428957
Ion Ratio	Lower	Upper	
164	100		
162	103.9	83.0	124.4
160	44.9	36.1	54.1

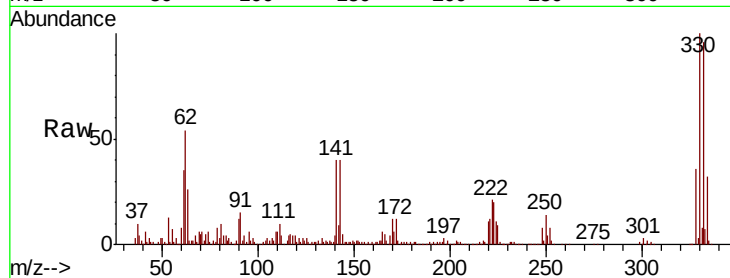




#42
 2,4,6-Tribromophenol
 Concen: 85.287 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.00 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

Instrument :
 BNA_G
 ClientSampleId :
 301-305

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.2	115.8
141	39.8	33.1	49.7

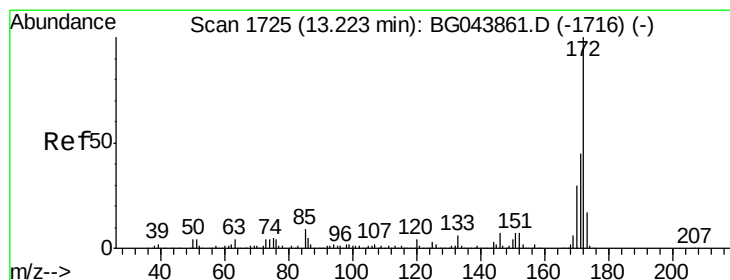
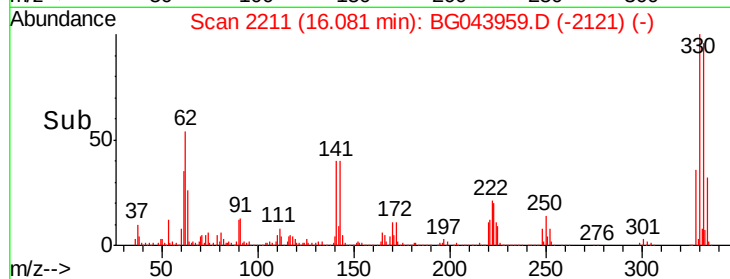
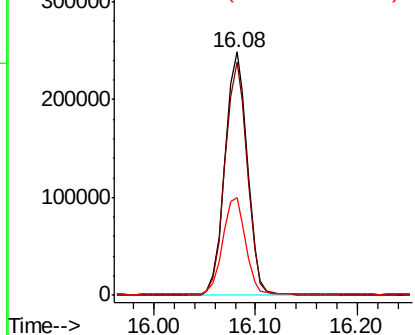


Abundance

Ion 329.80 (329.50 to 330.50): E

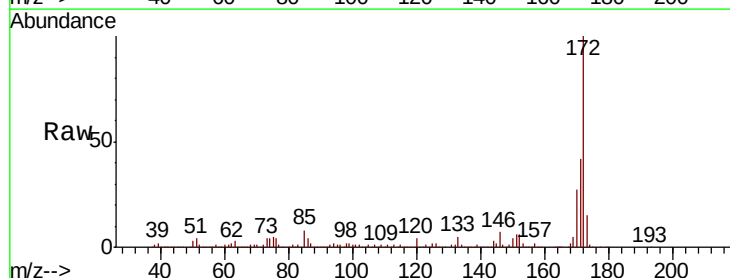
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.761 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.3	35.8	53.8
170	27.5	24.2	36.4

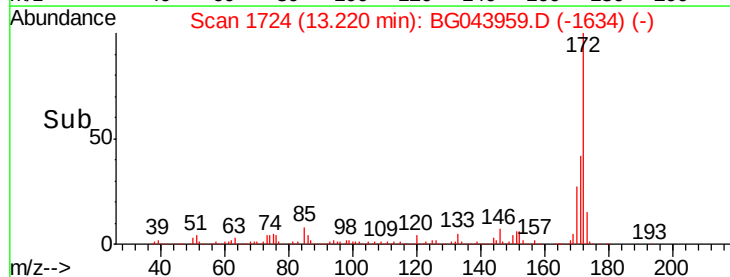
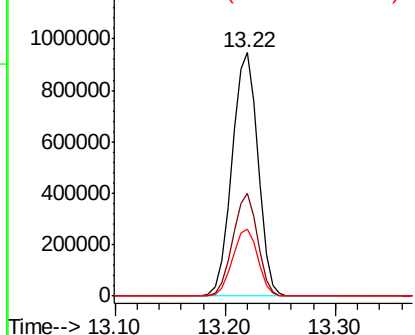


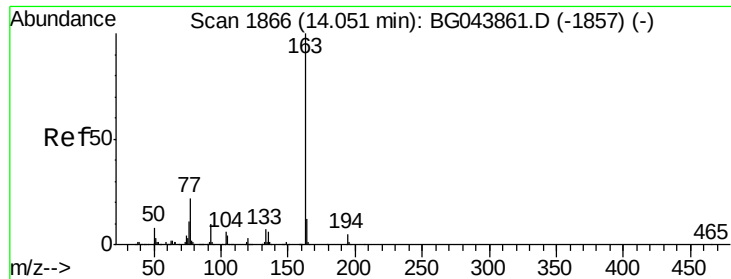
Abundance

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

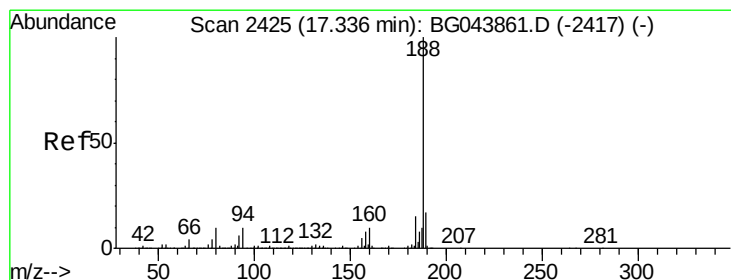
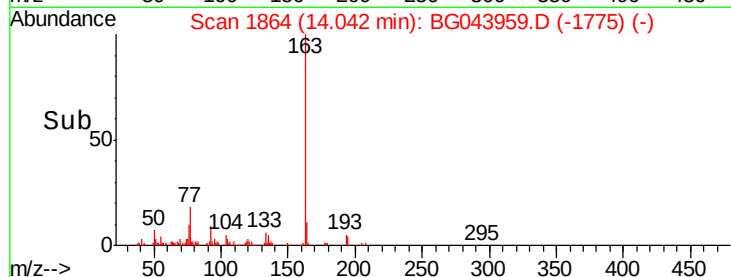
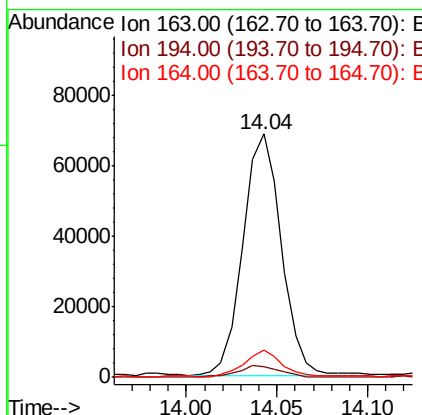
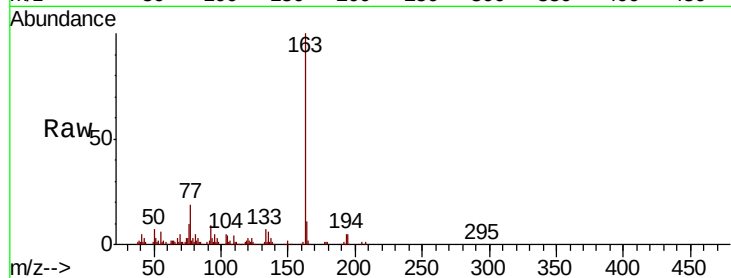




#50
Dimethylphthalate
Concen: 3.331 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

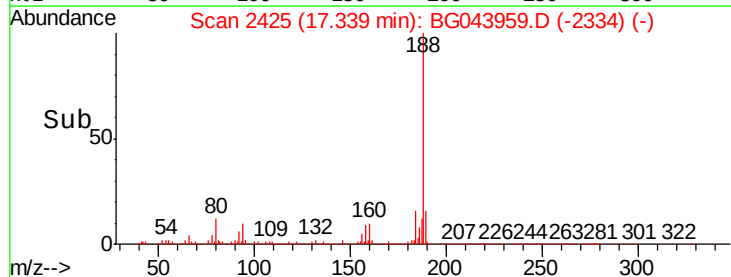
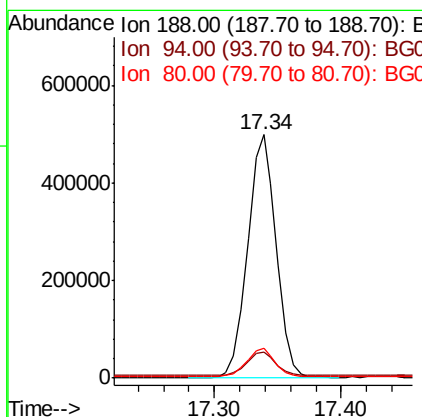
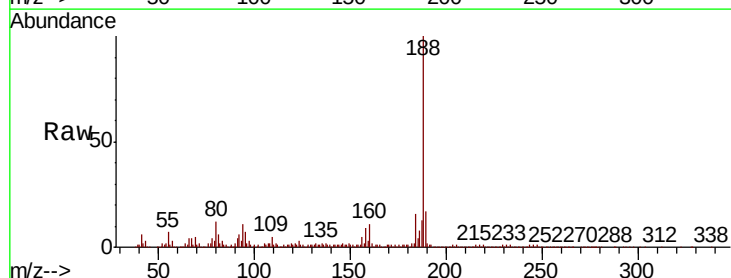
Instrument :
BNA_G
ClientSampleId :
301-305

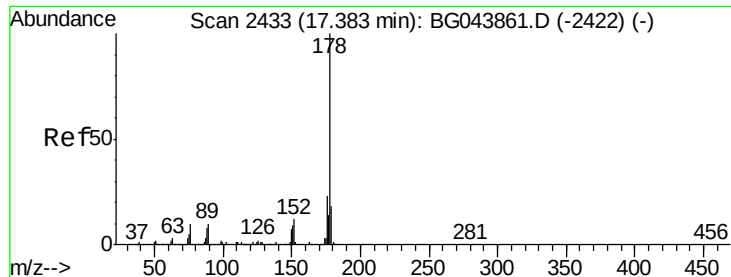
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	11.0	9.3	13.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.9	11.9
80	12.1	8.2	12.4





#71

Phenanthrene

Concen: 9.752 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Instrument :

BNA_G

ClientSampleId :

301-305

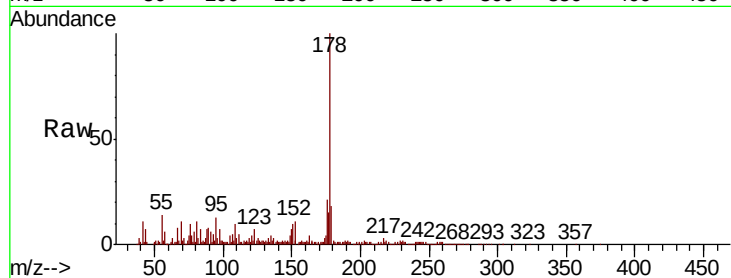
Tot Ion:178 Resp: 362162

Ion Ratio Lower Upper

178 100

176 21.1 18.6 28.0

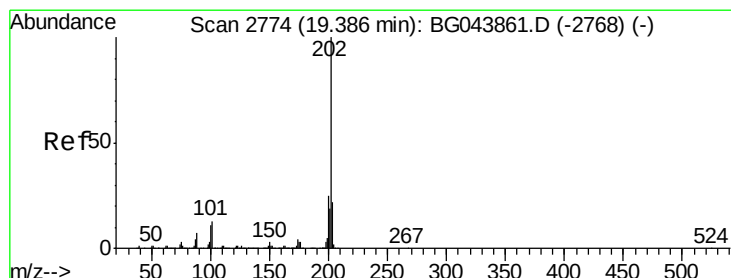
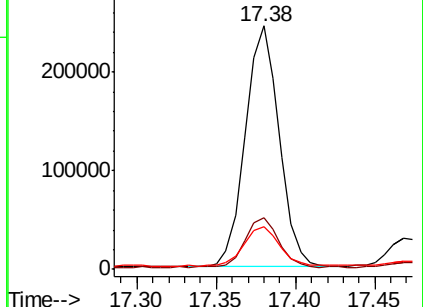
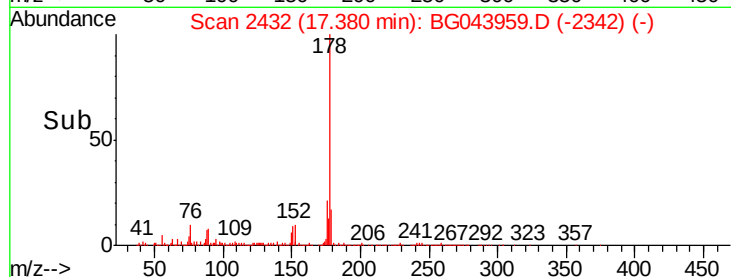
179 17.5 14.4 21.6



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: 4.417 ng

RT: 19.39 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

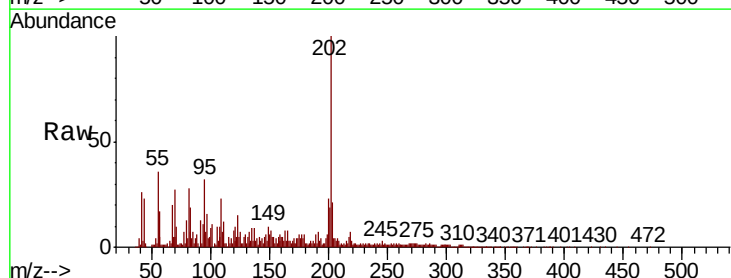
Tgt Ion:202 Resp: 187599

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.3

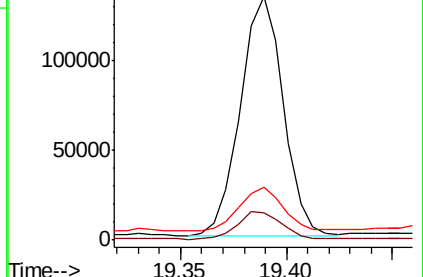
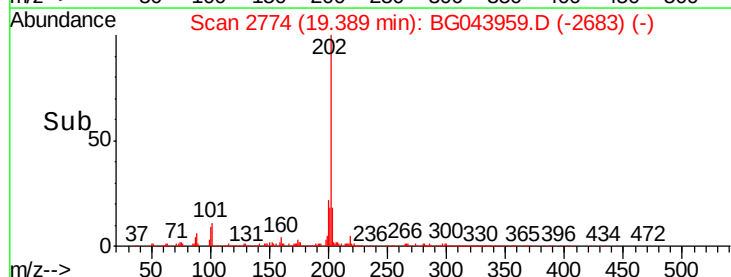
203 21.5 1.6 41.6

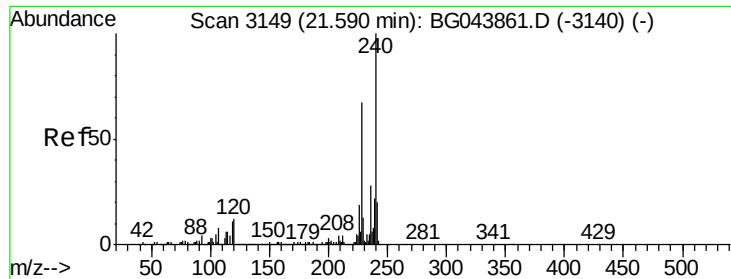


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

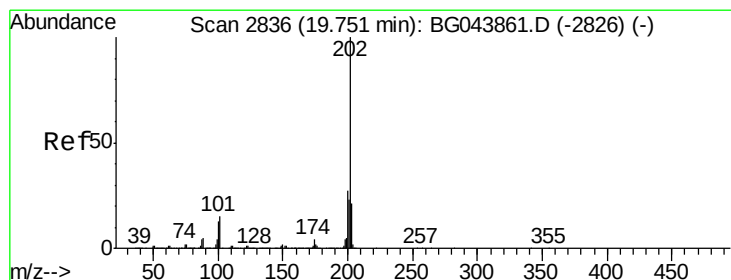
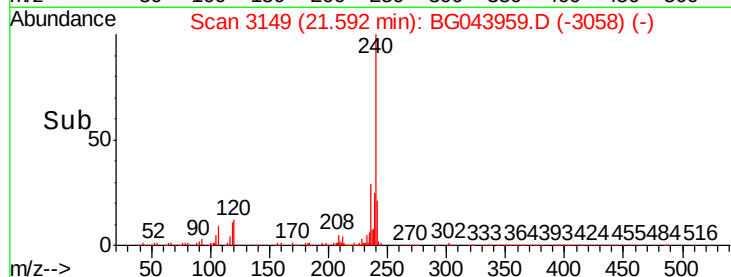
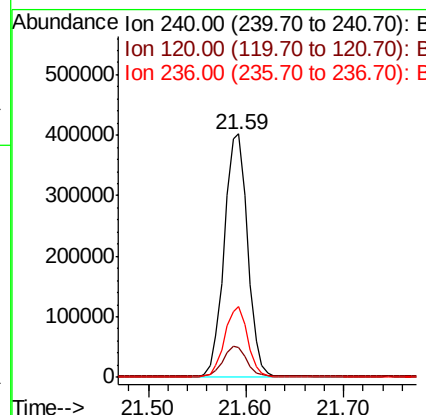
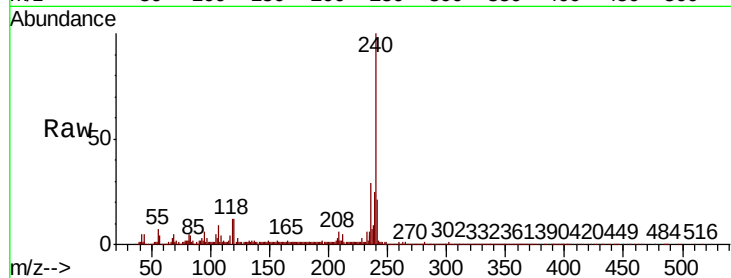




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

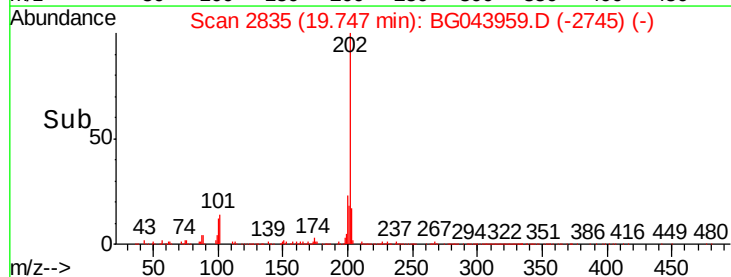
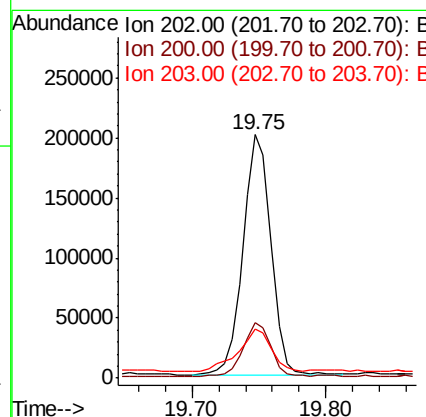
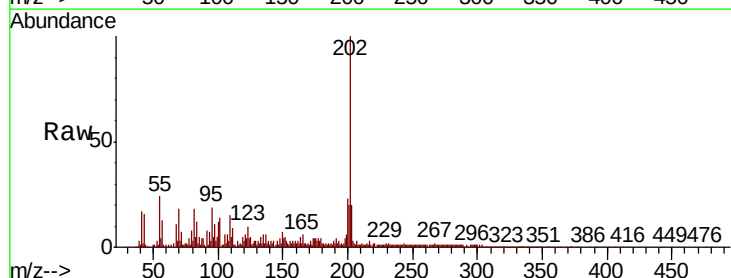
Instrument :
BNA_G
ClientSampled :
301-305

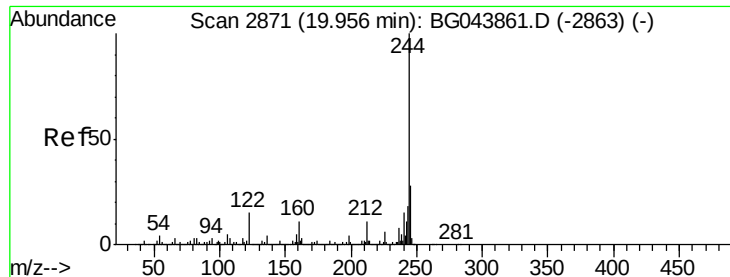
Tot Ion:240 Resp: 665252
Ion Ratio Lower Upper
240 100
120 12.4 9.6 14.4
236 29.3 22.2 33.2



#78
Pyrene
Concen: 6.656 ng
RT: 19.75 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion:202 Resp: 289040
Ion Ratio Lower Upper
202 100
200 23.0 21.7 32.5
203 20.3 17.0 25.6





#79

Terphenyl-d14

Concen: 58.641 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Instrument :

BNA_G

ClientSampleId :

301-305

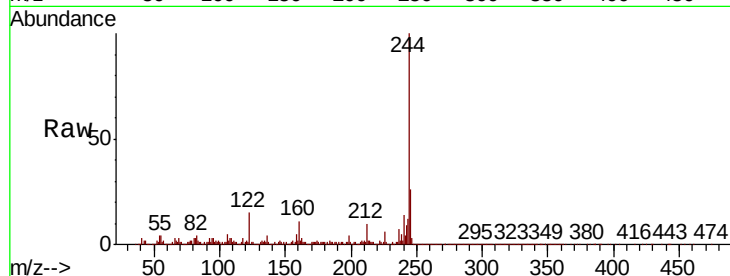
Tot Ion:244 Resp: 1773192

Ion Ratio Lower Upper

244 100

212 10.2 8.6 13.0

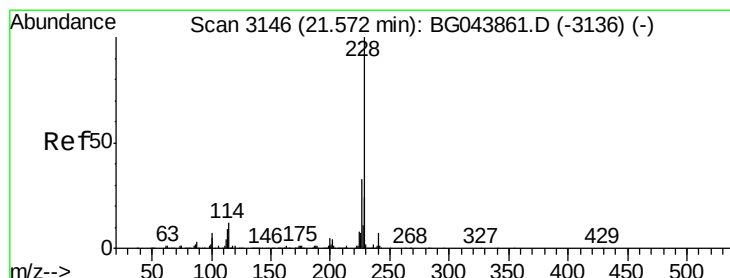
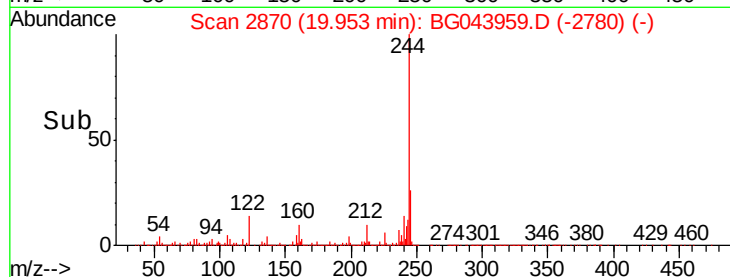
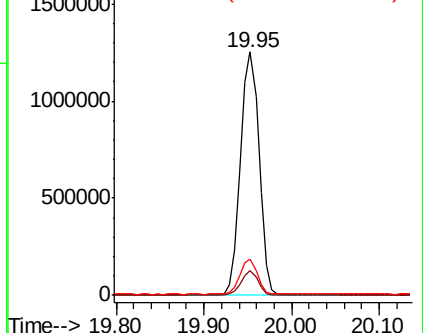
122 14.7 11.9 17.9



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: 2.696 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

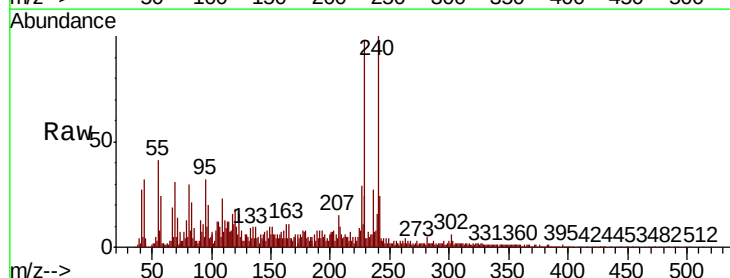
Tgt Ion:228 Resp: 111230

Ion Ratio Lower Upper

228 100

226 29.7 26.2 39.4

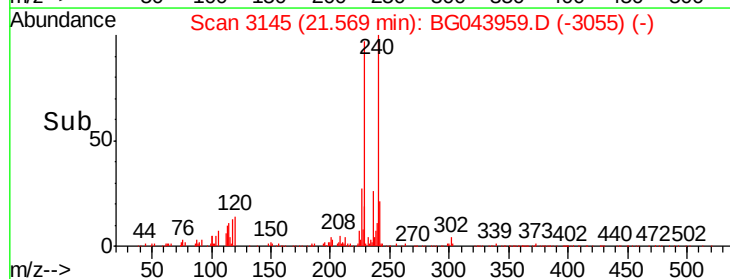
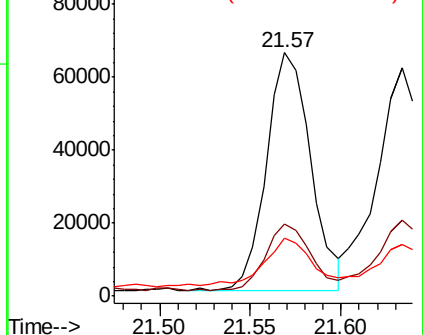
229 24.0 18.9 28.3

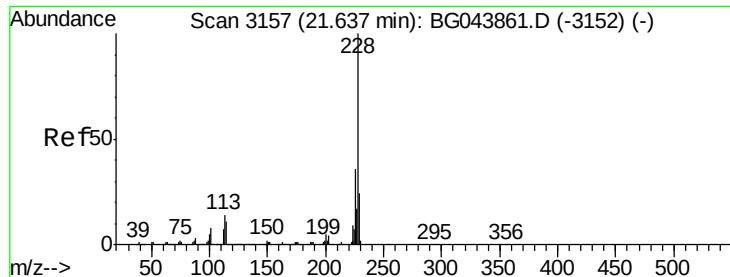


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

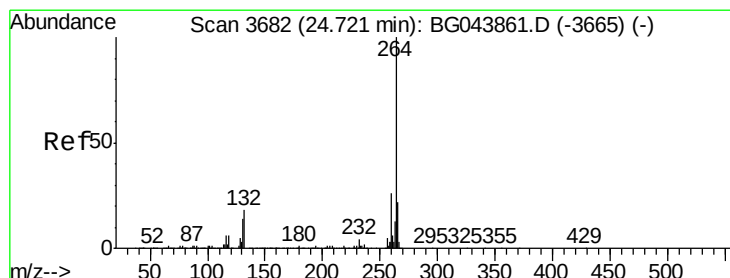
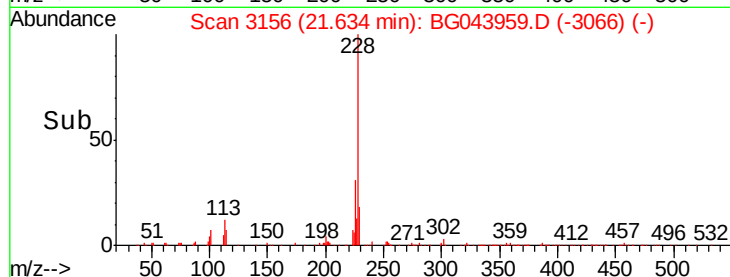
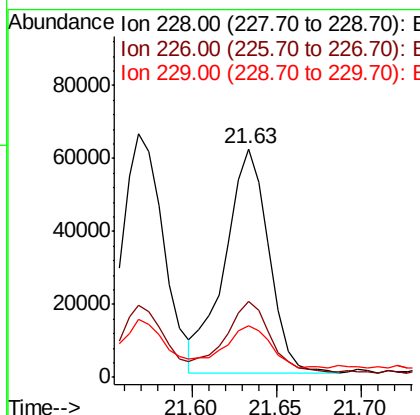
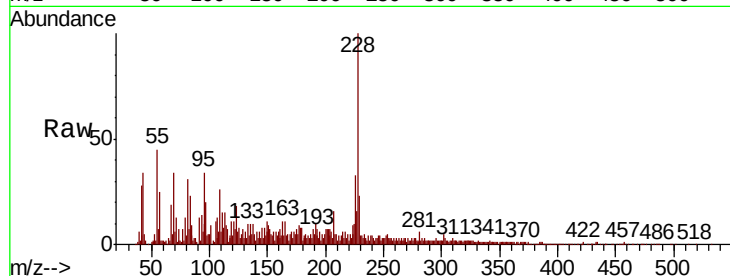




#83
Chrysene
Concen: 2.817 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Instrument :
BNA_G
ClientSampleId :
301-305

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	28.8	43.2
229	22.7	19.0	28.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3682
Delta R.T. 0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.4	30.6
265	21.9	17.4	26.2

