

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 :

Quant Time: Jan 08 02:41:01 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

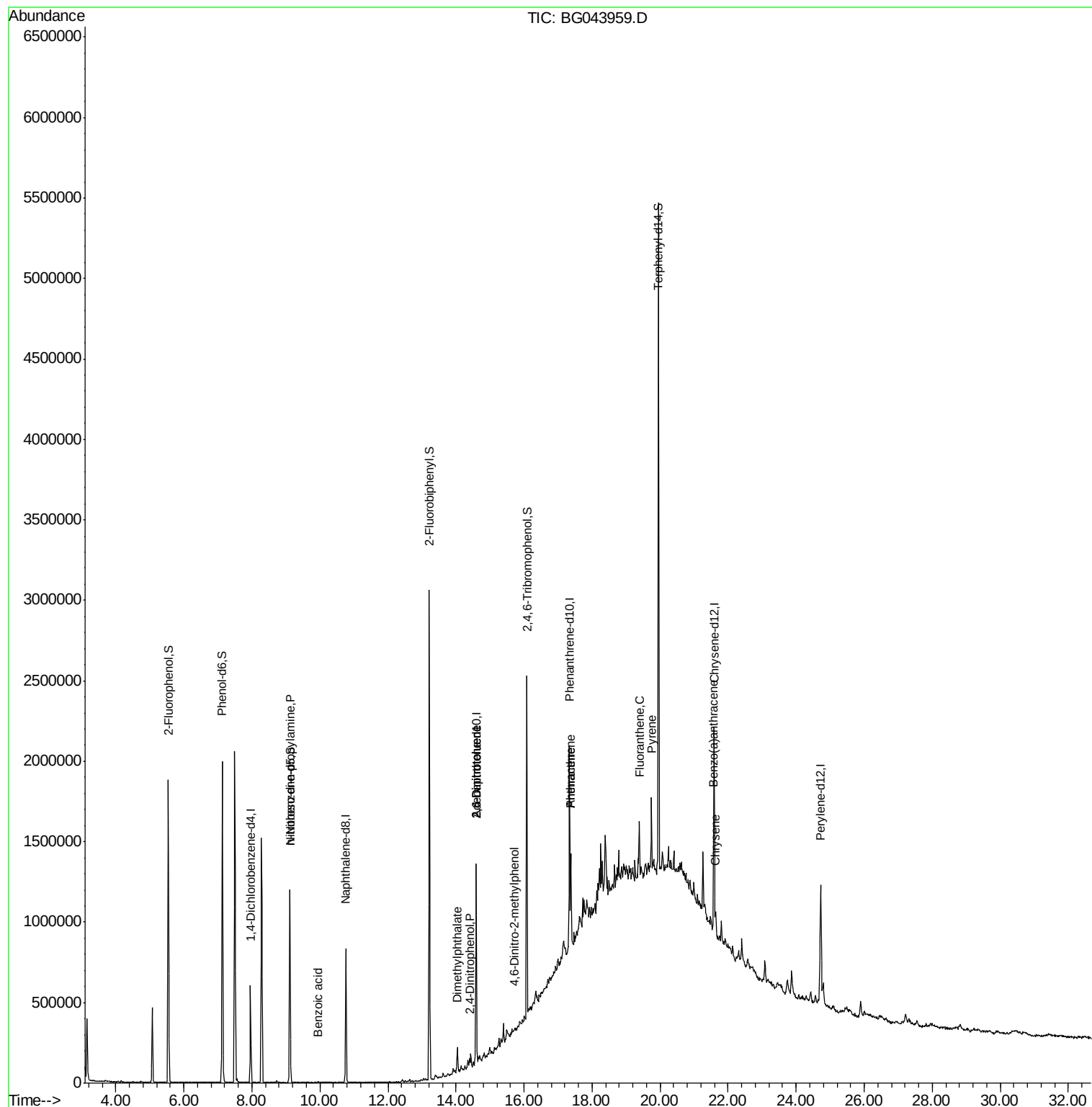
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.11	70	99191	9.792	ng	# 77
32) Benzoic acid	9.94	122	1994	6.481	ng	# 8
50) Dimethylphthalate	14.04	163	101450	3.331	ng	99
51) 2,6-Dinitrotoluene	14.59	165	59571	8.653	ng	# 26
54) 2,4-Dinitrophenol	14.41	184	55	5.498	ng	# 27
57) 2,4-Dinitrotoluene	14.59	165	59571	6.360	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.70	198	65	4.405	ng	# 1
71) Phenanthrene	17.38	178	362162	9.752	ng	97
72) Anthracene	17.38	178	362162	9.868	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

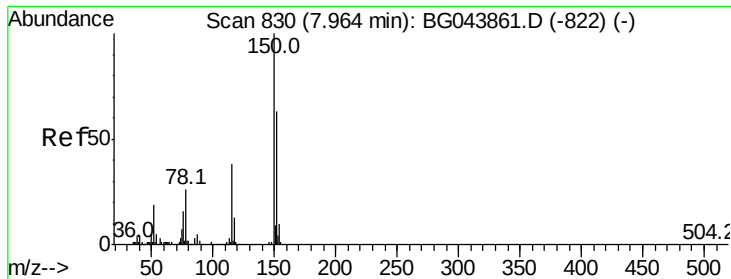
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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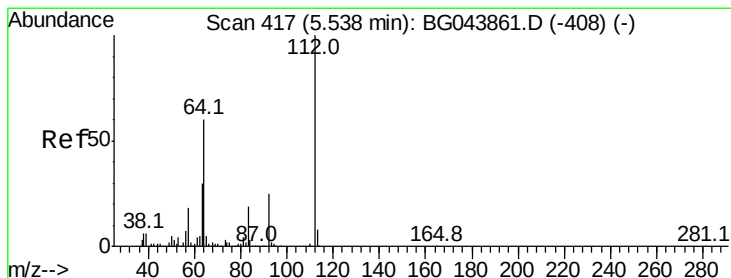
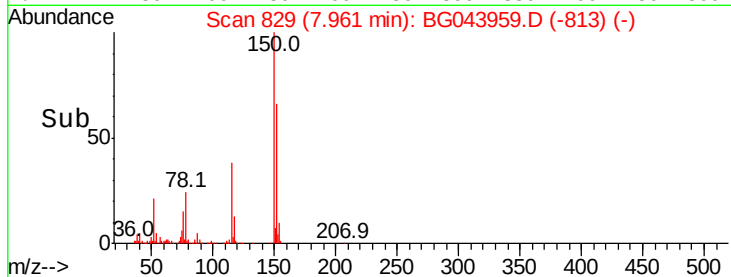
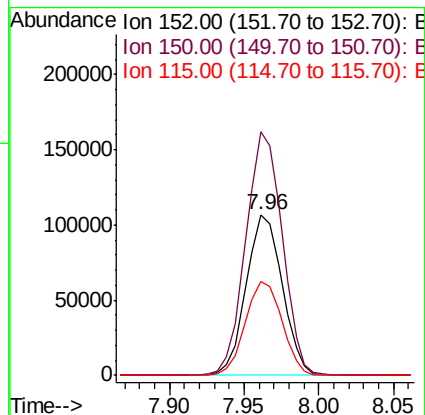
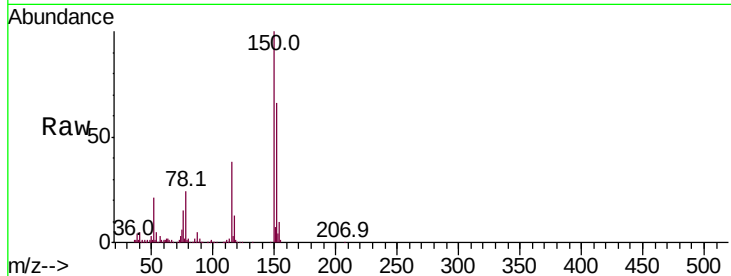


#1

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 :

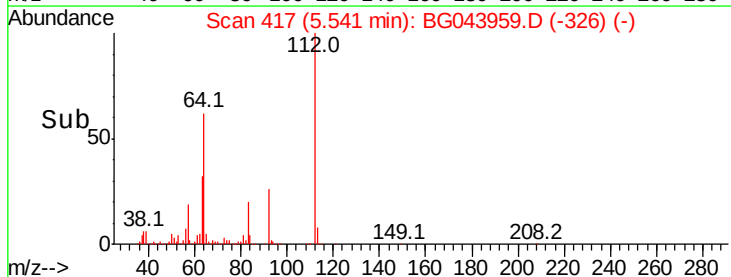
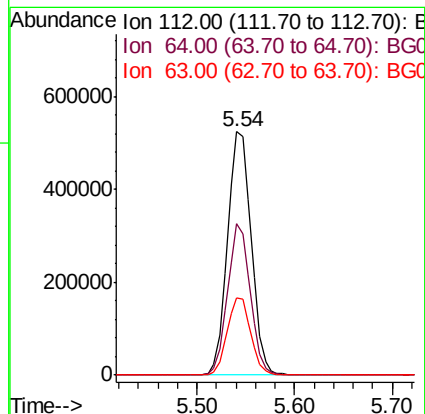
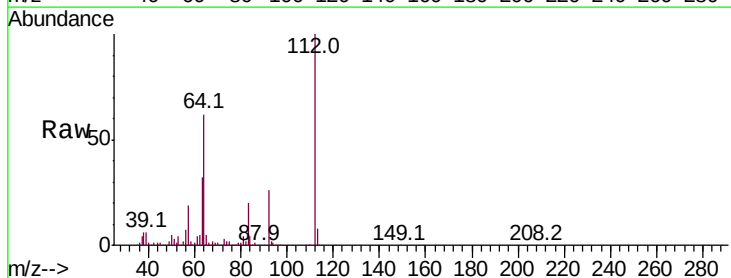
Tot Ion:152 Resp: 178678
Ion Ratio Lower Upper
152 100
150 151.3 127.0 190.4
115 58.0 47.8 71.8

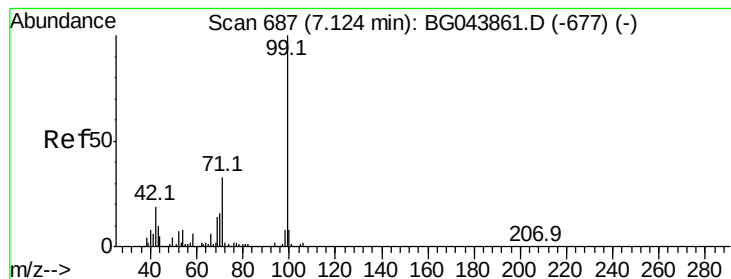


#5

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:112 Resp: 885302
Ion Ratio Lower Upper
112 100
64 62.4 47.8 71.6
63 31.6 24.3 36.5





#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

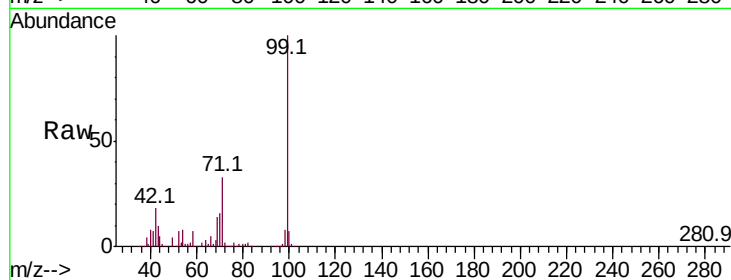
Instrument :

BNA_G

ClientSampleId :

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

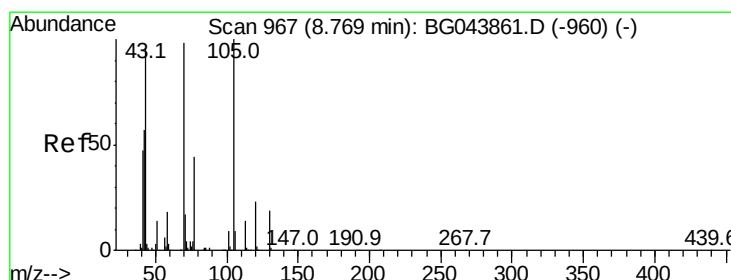
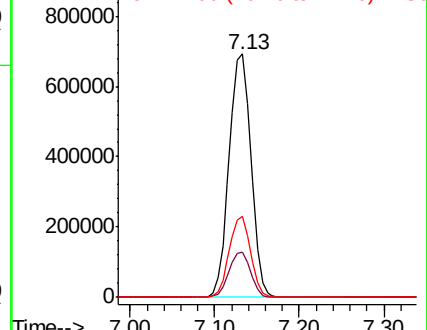
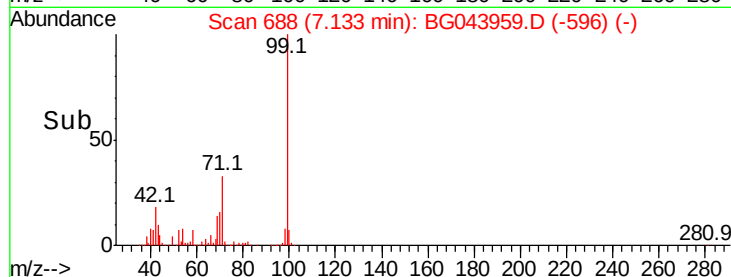


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 9.792 ng

RT: 9.11 min Scan# 1025

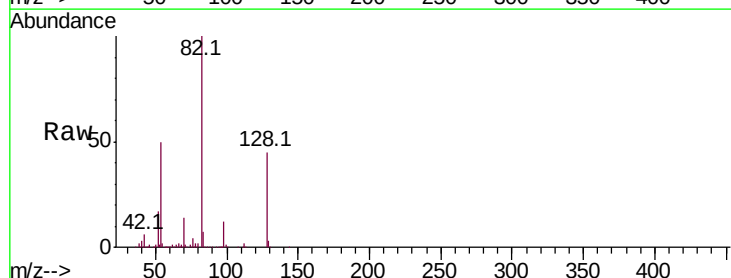
Delta R.T. 0.34 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Tgt Ion: 70 Resp: 99191

Ion	Ratio	Lower	Upper
70	100		
42	45.9	47.0	70.4#
101	0.0	7.2	10.8#
130	2.0	15.6	23.4#



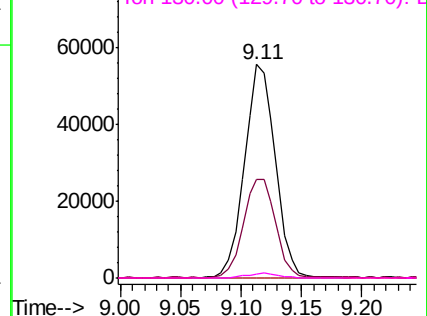
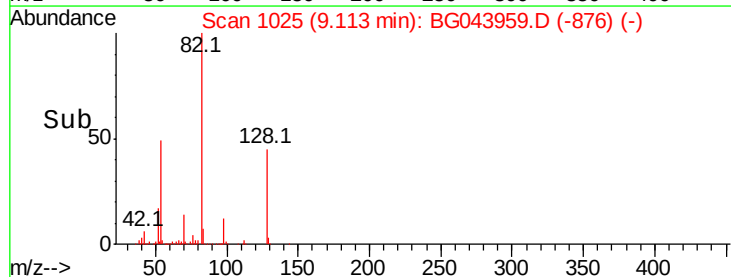
Abundance

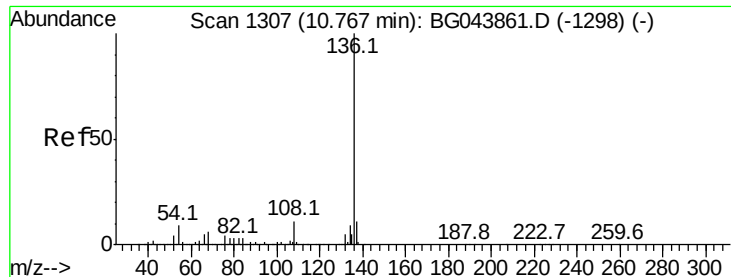
Ion 70.00 (69.70 to 70.70): BGC

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

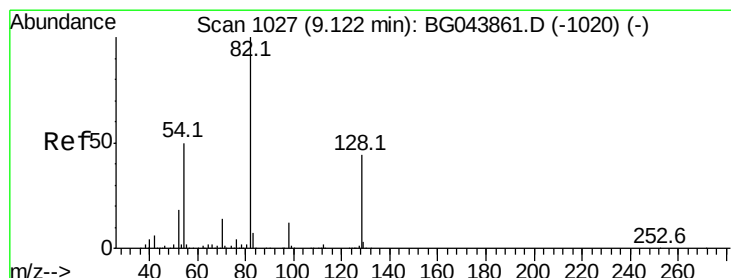
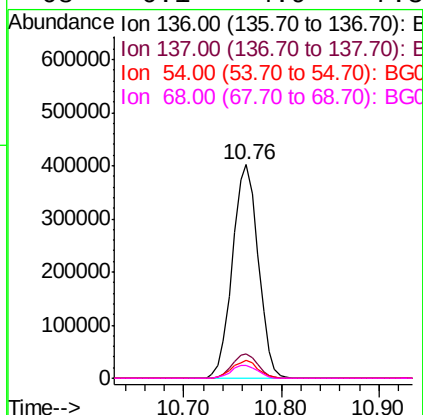
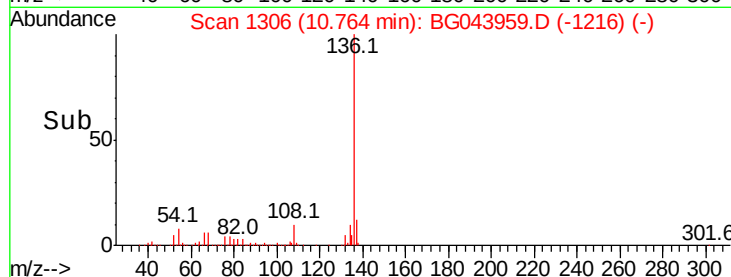
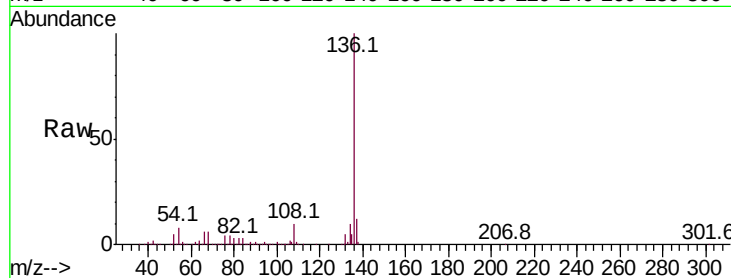




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

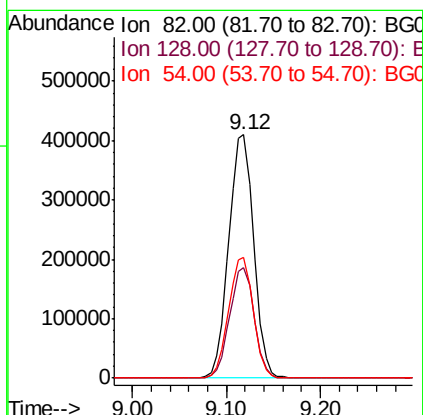
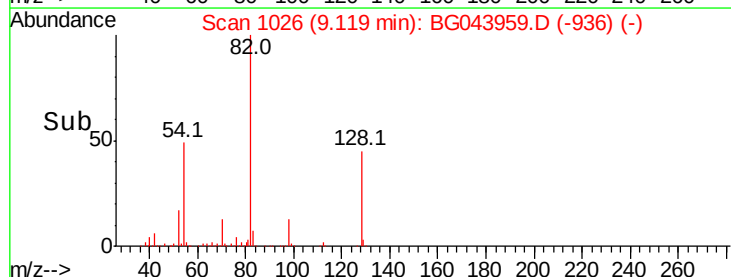
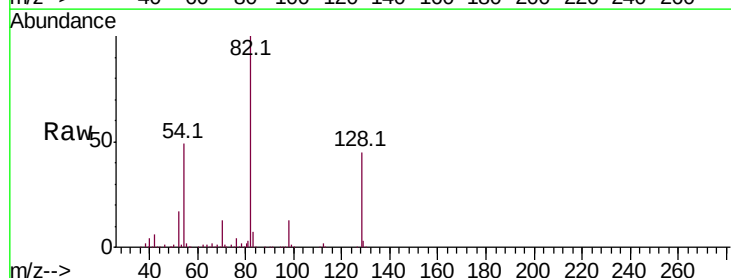
Instrument :
BNA_G
ClientSampleId :

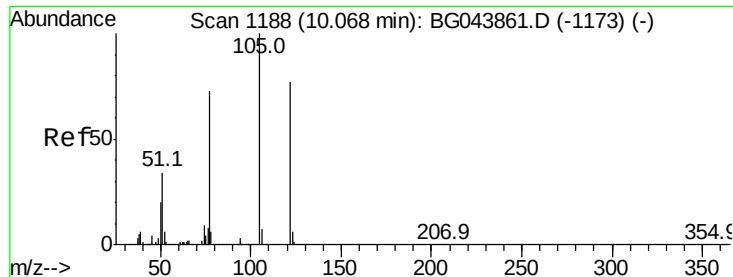
Tot Ion:136	Resp:	737685	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	8.8	13.2	
54 8.5	7.0	10.4	
68 6.1	4.9	7.3	



#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

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

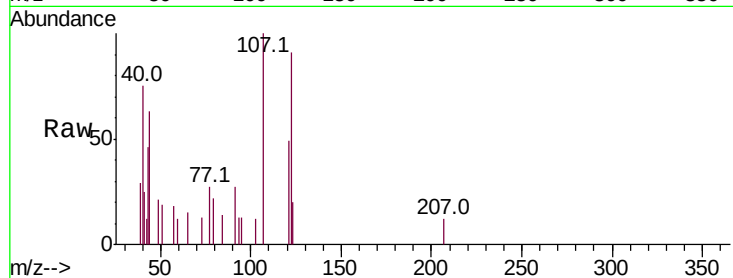




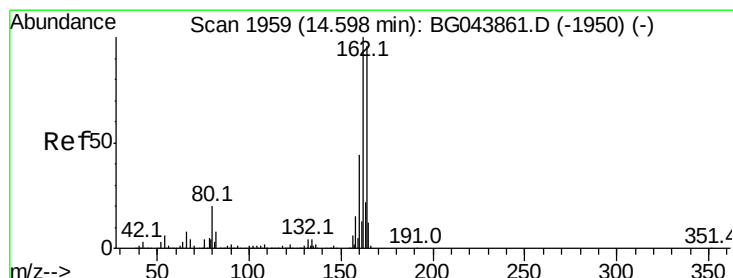
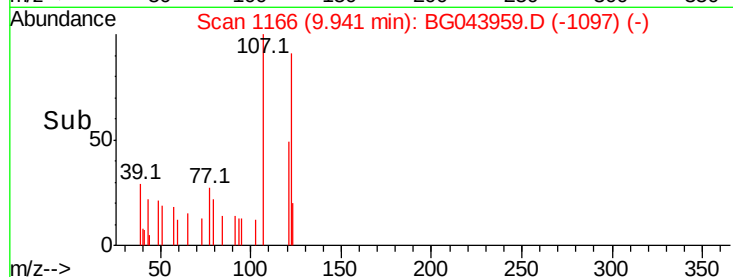
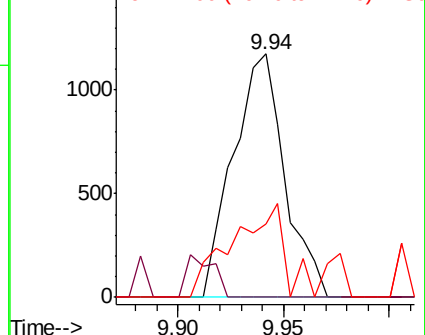
#32
Benzoic acid
Concen: 6.481 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.13 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 1994
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 30.2 74.6 114.6#

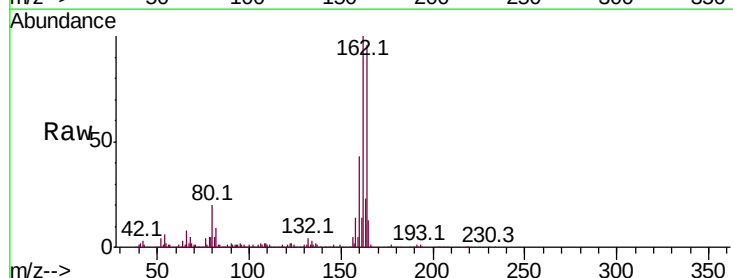


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

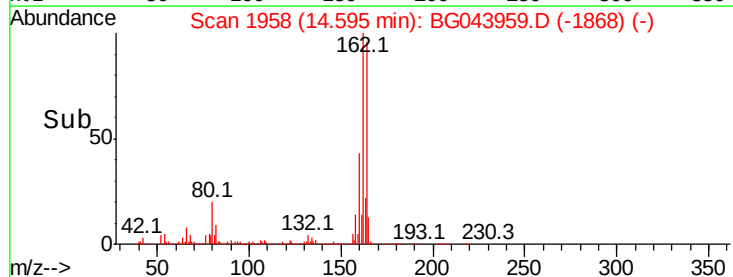
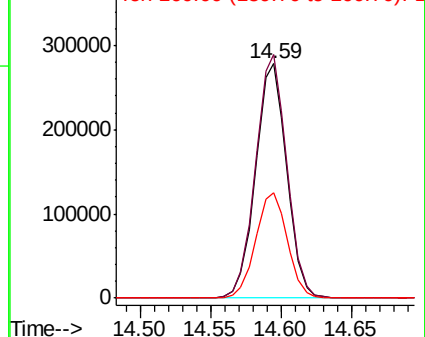


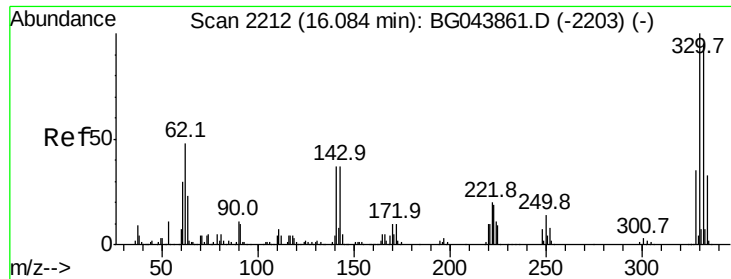
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

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



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

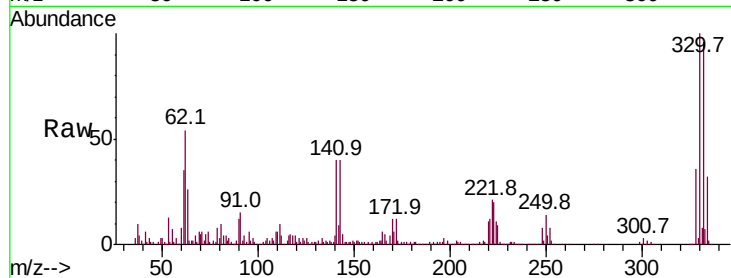




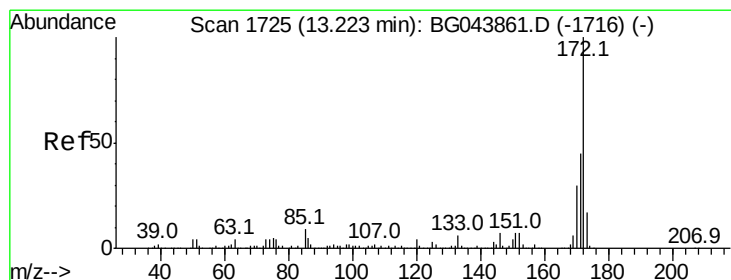
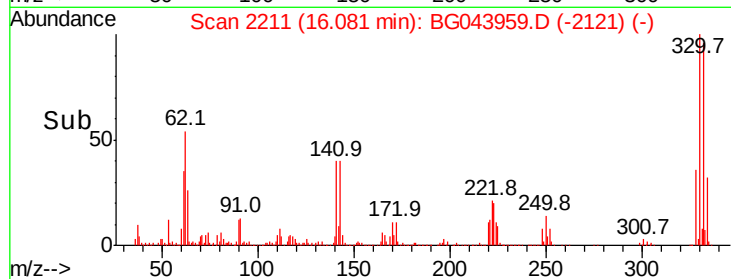
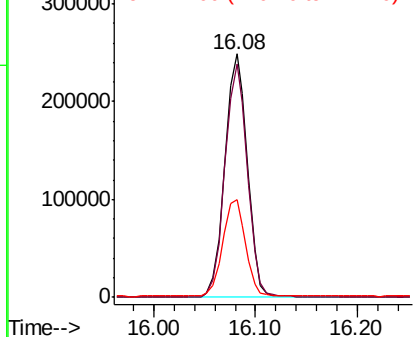
#42
 2,4,6-Tribromophenol
 Concen: 85.287 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.00 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 382847
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.2 115.8
 141 39.8 33.1 49.7

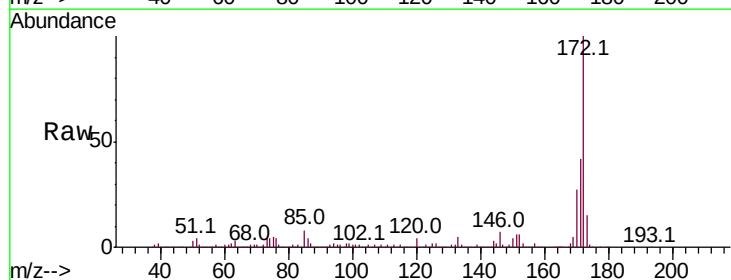


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

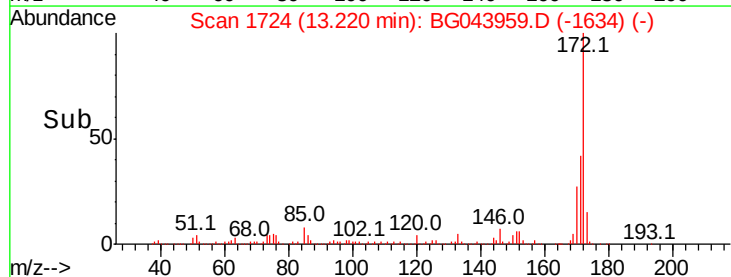
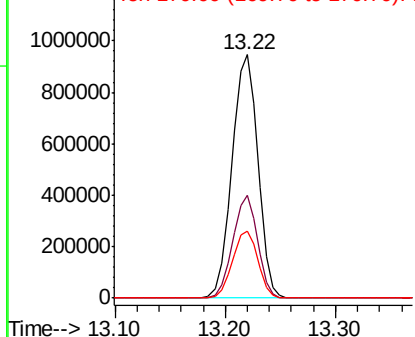


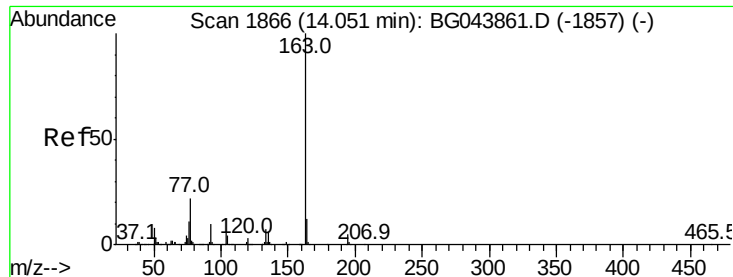
#45
 2-Fluorobiphenyl
 Concen: 65.761 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

Tgt Ion:172 Resp: 1556972
 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

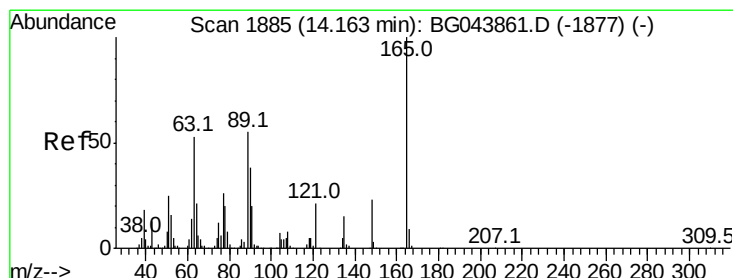
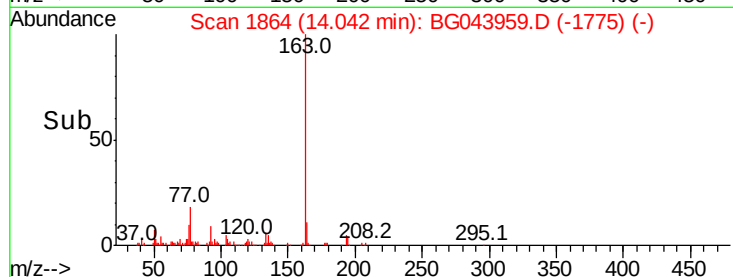
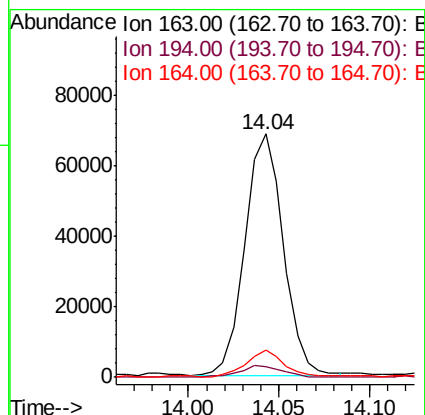
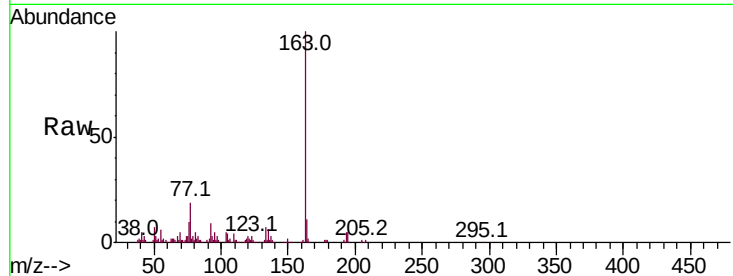




#50
Dimethylphthalate
Concen: 3.331 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

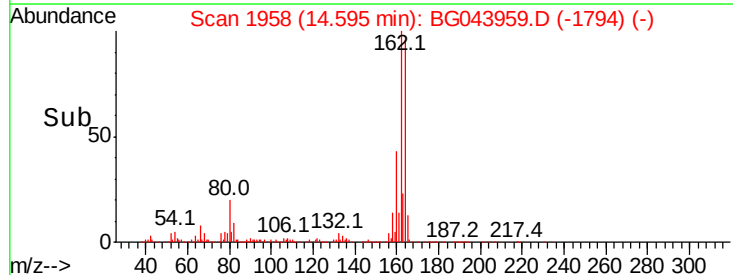
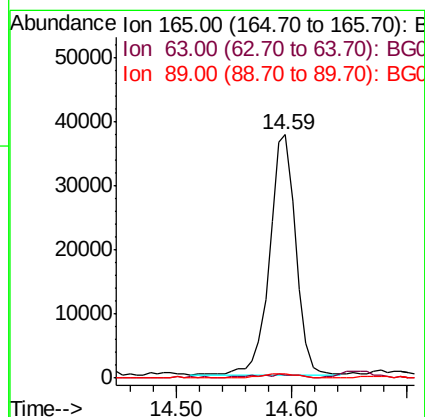
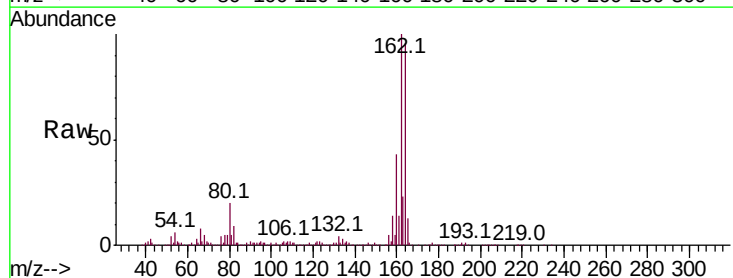
Instrument :
BNA_G
ClientSampleId :

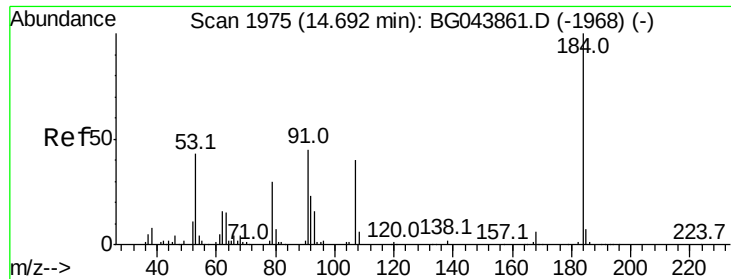
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	11.0	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 8.653 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.1	64.7#
89	1.5	43.8	65.6#

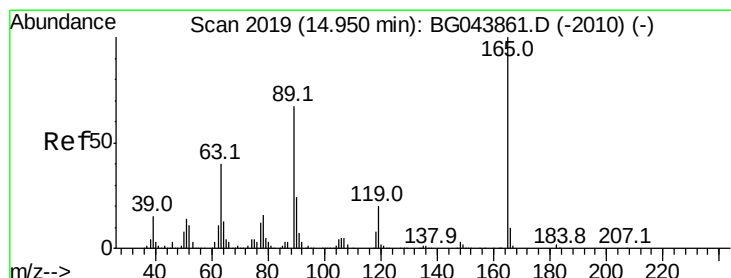
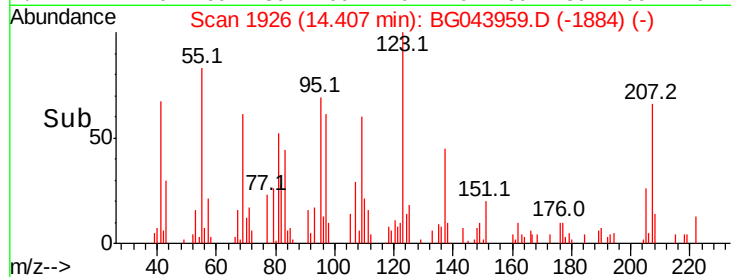
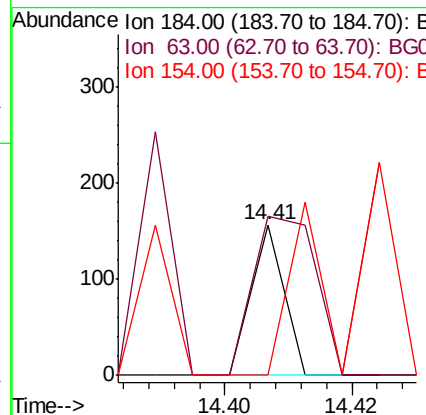
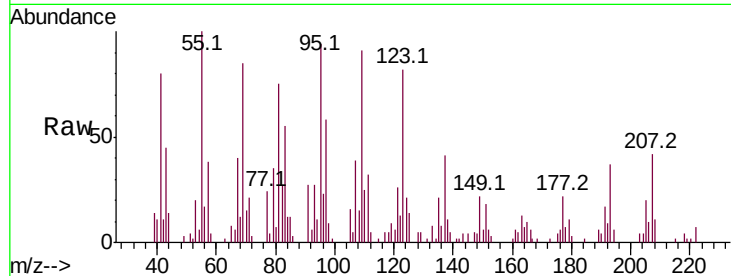




#54
 2,4-Dinitrophenol
 Concen: 5.498 ng
 RT: 14.41 min Scan# 1926
 Delta R.T. -0.28 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

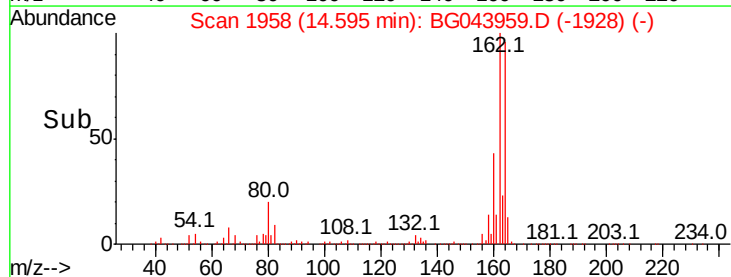
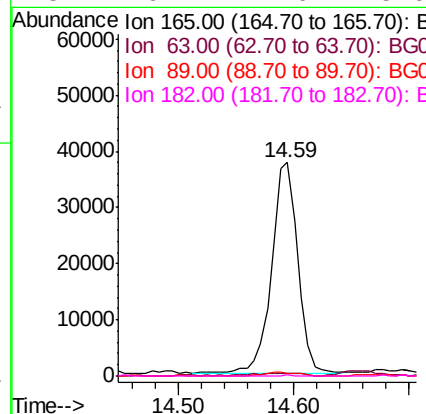
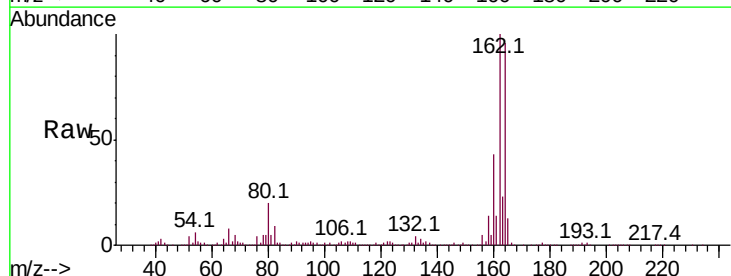
Instrument :
 BNA_G
 ClientSampled :

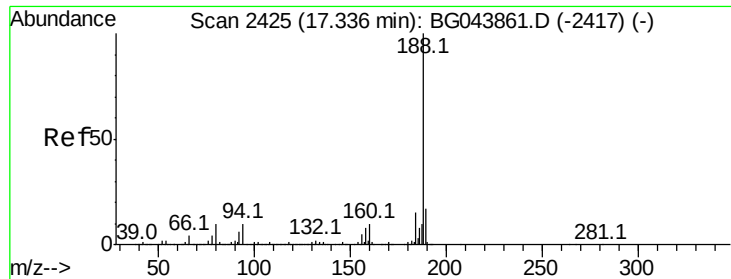
Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 105.8 46.6 70.0#
 154 0.0 50.2 75.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.360 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043959.D
 Acq: 7 Jan 2020 18:14

Tgt Ion:165 Resp: 59571
 Ion Ratio Lower Upper
 165 100
 63 1.1 31.9 47.9#
 89 1.5 53.8 80.6#
 182 0.7 2.0 3.0#

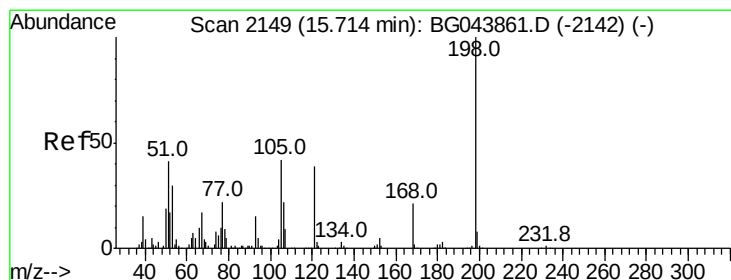
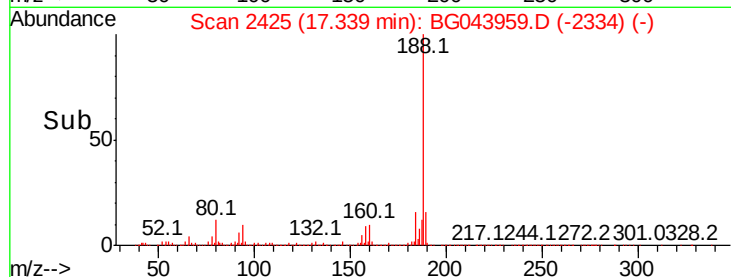
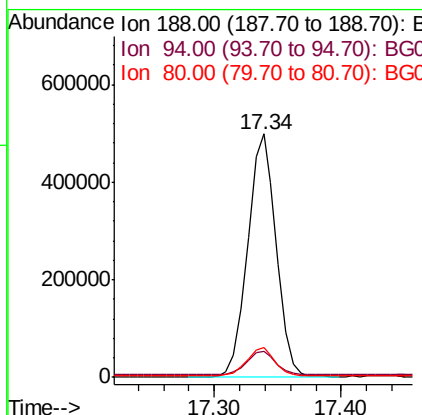
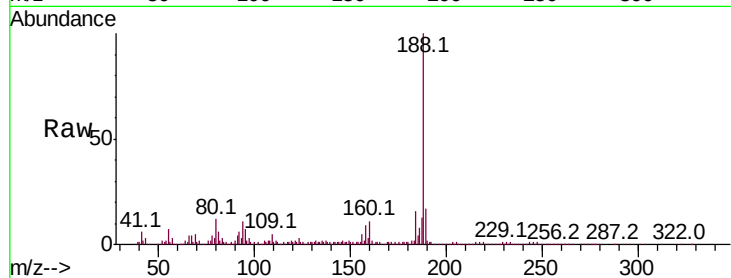




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

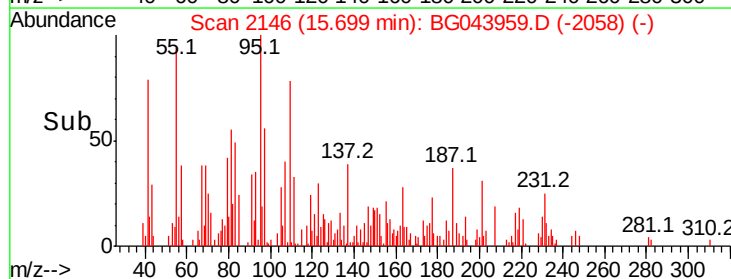
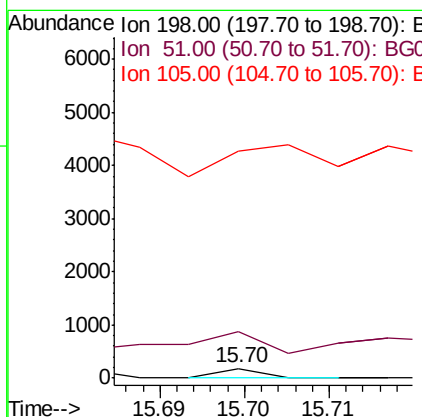
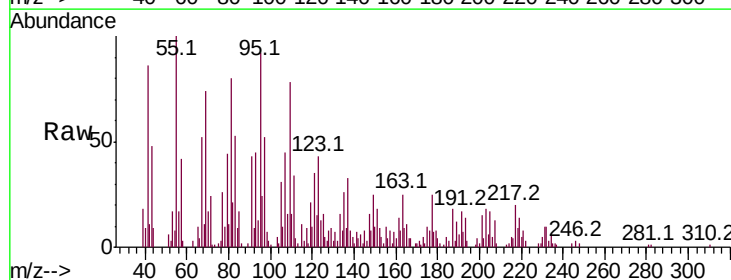
Instrument :
BNA_G
ClientSampleId :

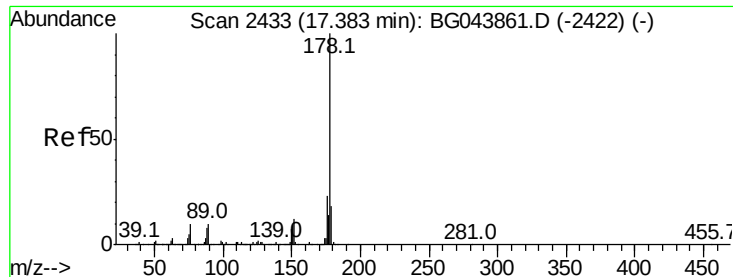
Tot Ion:188 Resp: 774227
Ion Ratio Lower Upper
188 100
94 10.7 7.9 11.9
80 12.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.405 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

Tgt Ion:198 Resp: 65
Ion Ratio Lower Upper
198 100
51 470.7 22.5 62.5#
105 2323.9 22.3 62.3#





#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 :

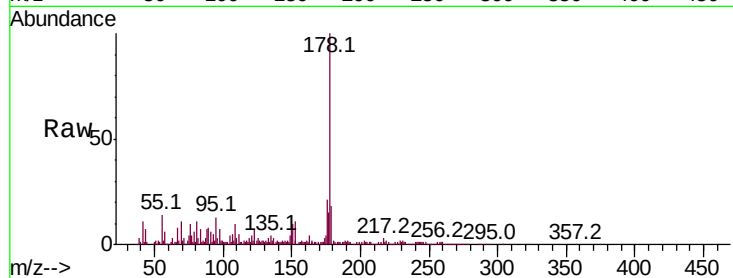
Tot Ion:178 Resp: 362162

Ion Ratio Lower Upper

178 100

176 21.1 18.6 28.0

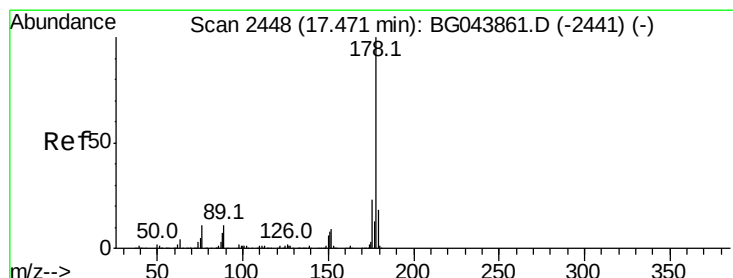
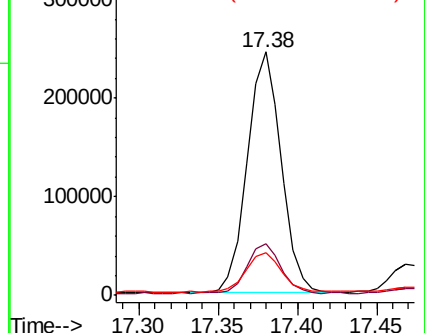
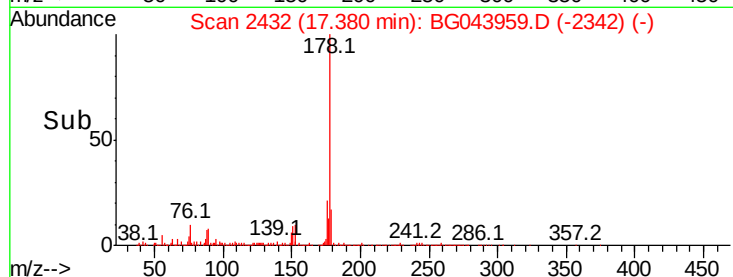
179 17.5 14.4 21.6



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



#72

Anthracene

Concen: 9.868 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.09 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

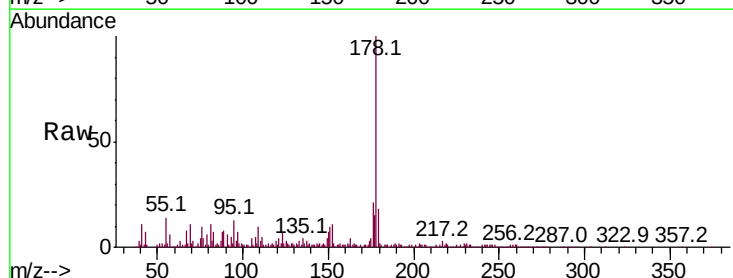
Tgt Ion:178 Resp: 362162

Ion Ratio Lower Upper

178 100

176 21.1 18.3 27.5

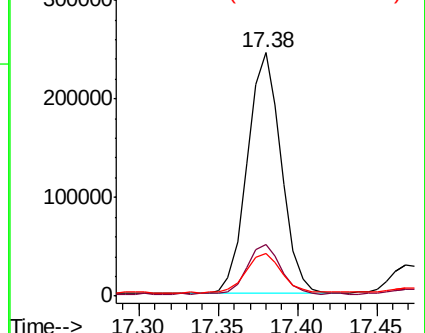
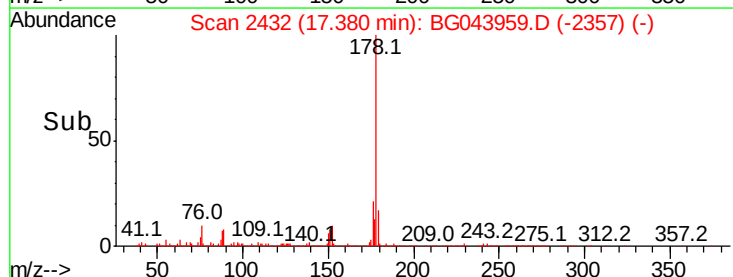
179 17.5 14.6 22.0

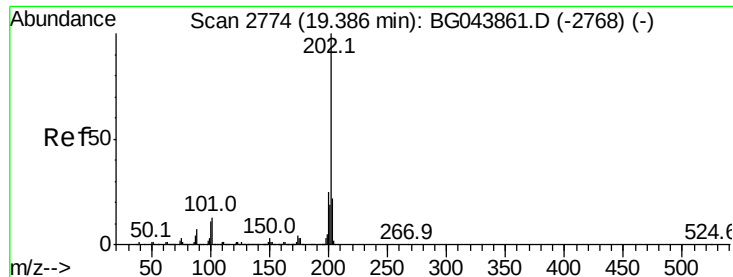


Abundance Ion 178.00 (177.70 to 178.70): E

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

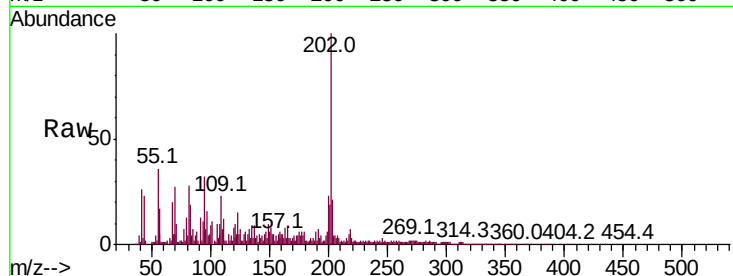
Instrument :

BNA_G

ClientSampleId :

Tot Ion:202 Resp: 187599

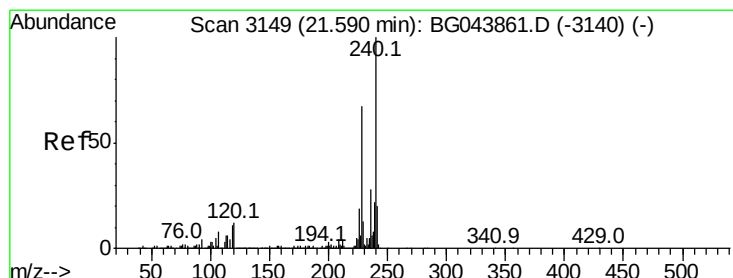
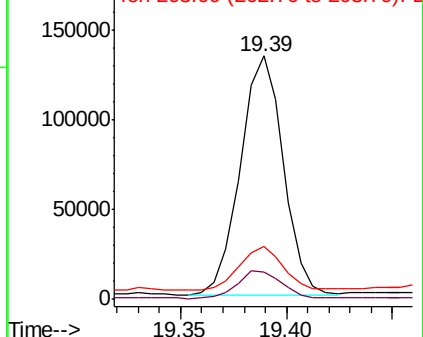
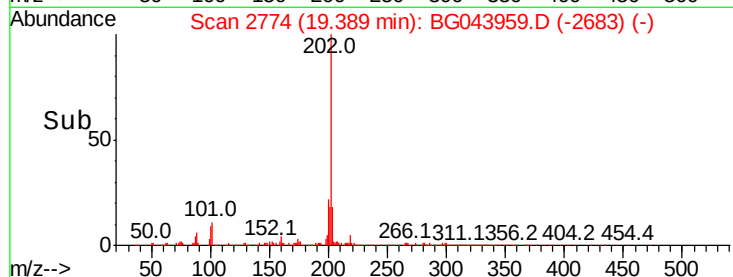
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.3
203	21.5	1.6	41.6



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

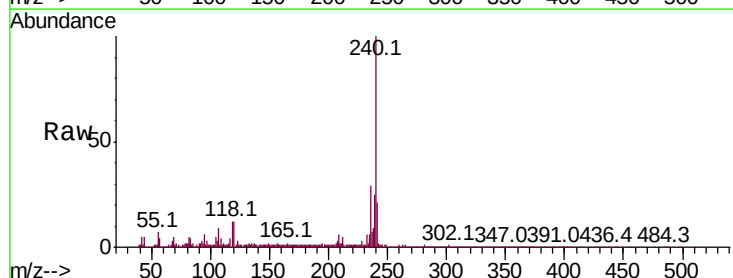
Delta R.T. 0.00 min

Lab File: BG043959.D

Acq: 7 Jan 2020 18:14

Tgt Ion:240 Resp: 665252

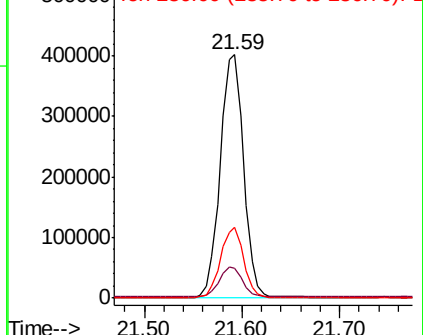
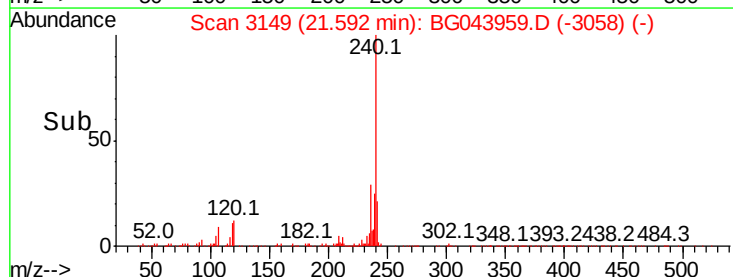
Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.6	14.4
236	29.3	22.2	33.2

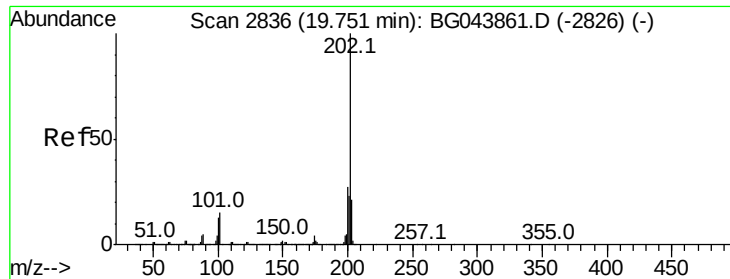


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

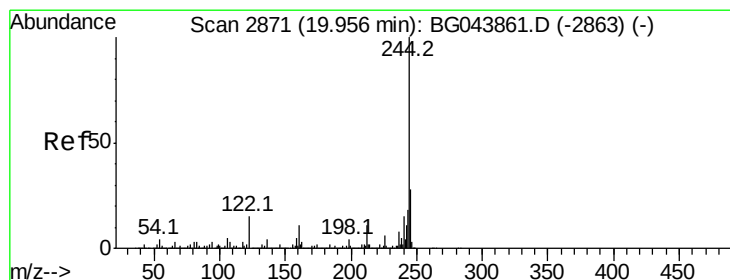
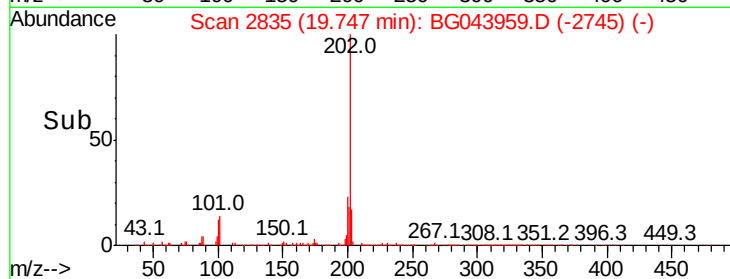
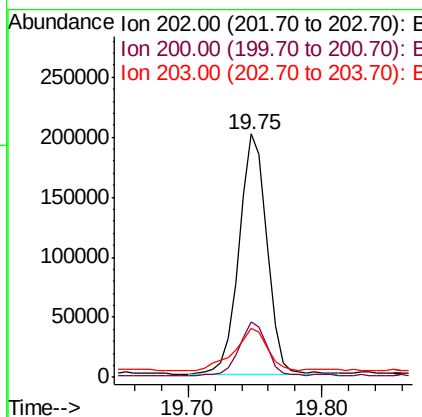
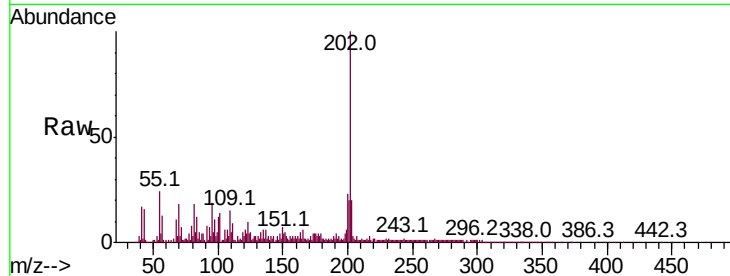




#78
Pvrene
Concen: 6.656 ng
RT: 19.75 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

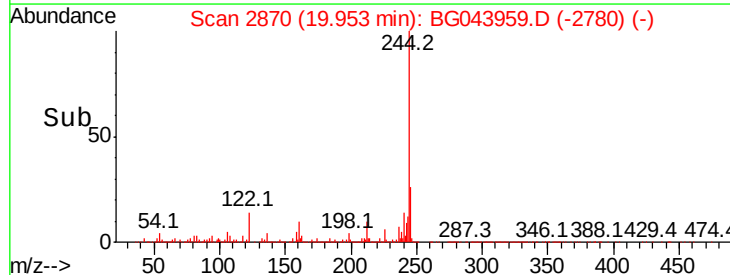
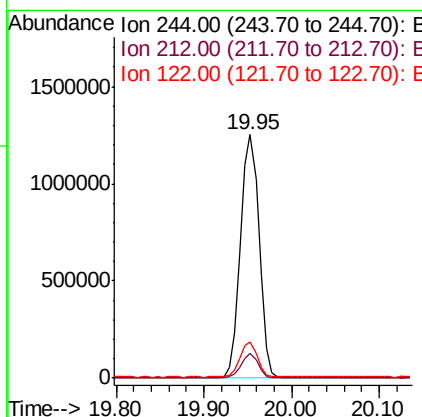
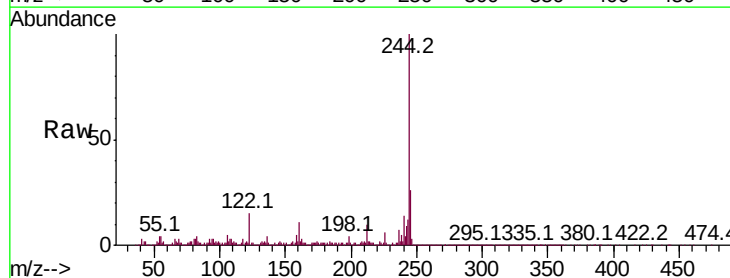
Instrument :
BNA_G
ClientSampled :

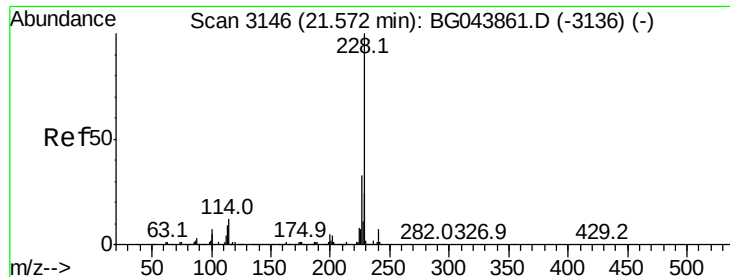
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	21.7	32.5
203	20.3	17.0	25.6



#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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.6	13.0
122	14.7	11.9	17.9

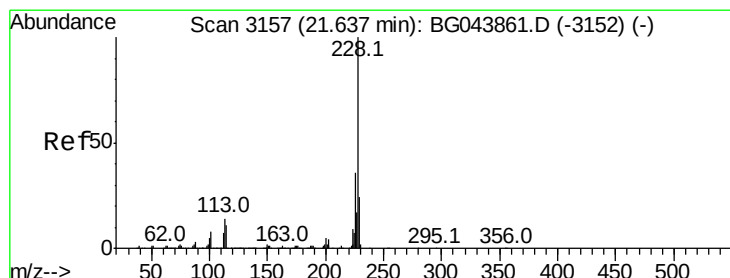
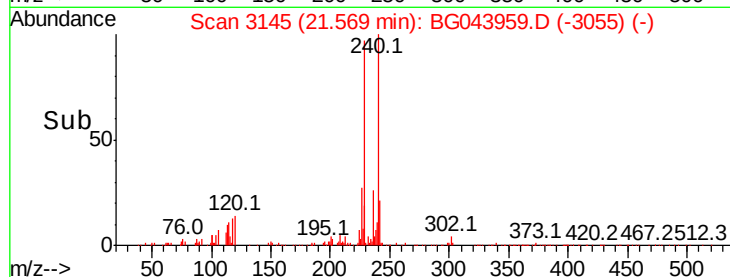
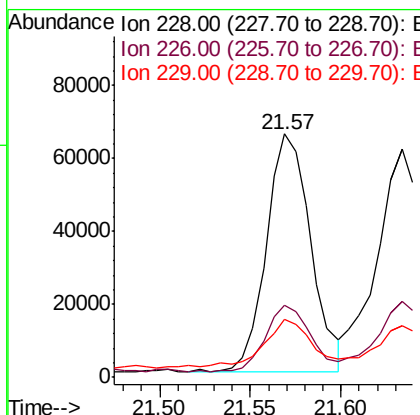
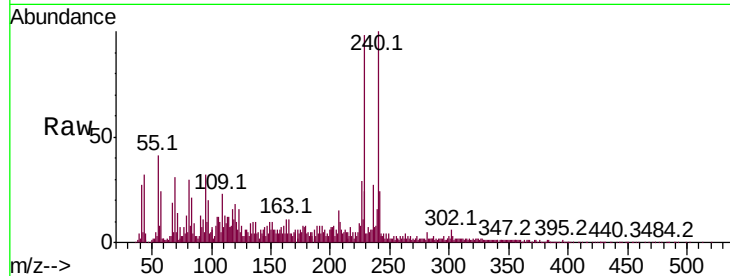




#81
Benzo(a)anthracene
Concen: 2.696 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.00 min
Lab File: BG043959.D
Acq: 7 Jan 2020 18:14

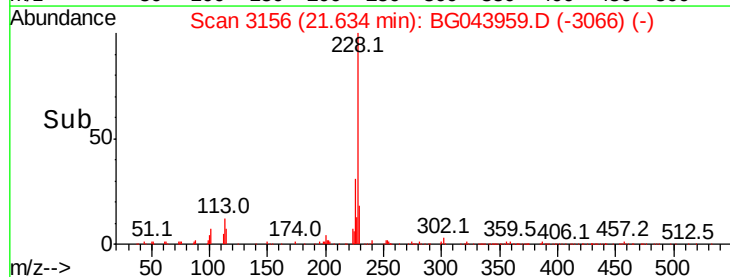
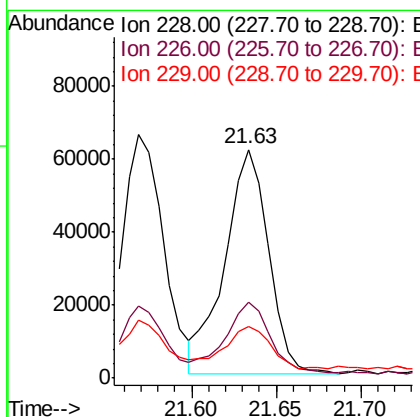
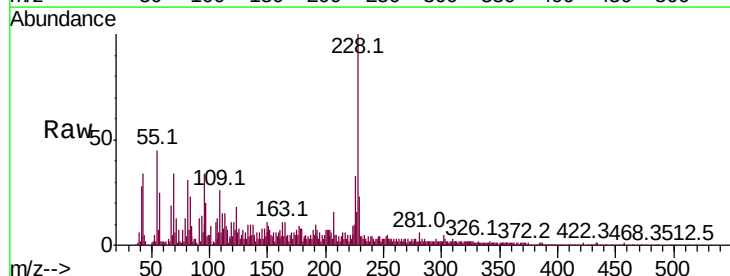
Instrument :
BNA_G
ClientSampleId :

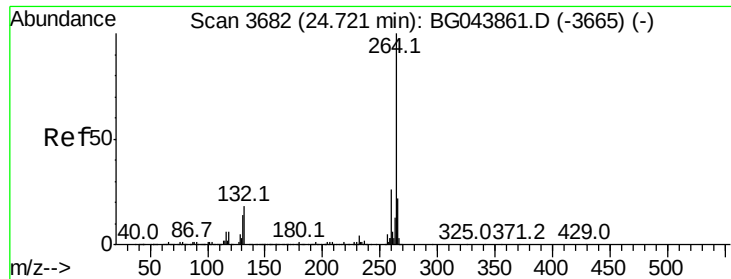
Tot Ion:228 Resp: 111230
Ion Ratio Lower Upper
228 100
226 29.7 26.2 39.4
229 24.0 18.9 28.3



#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

Tgt Ion:228 Resp: 110409
Ion Ratio Lower Upper
228 100
226 33.3 28.8 43.2
229 22.7 19.0 28.6





#87
Pervlene-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

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	774583
Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.4	30.6
265	21.9	17.4	26.2

