

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049959.D
 Acq On : 24 Aug 2021 19:31
 Operator : CG/JU
 Sample : M3394-13 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-02-0002

Quant Time: Aug 25 01:08:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 16:13:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

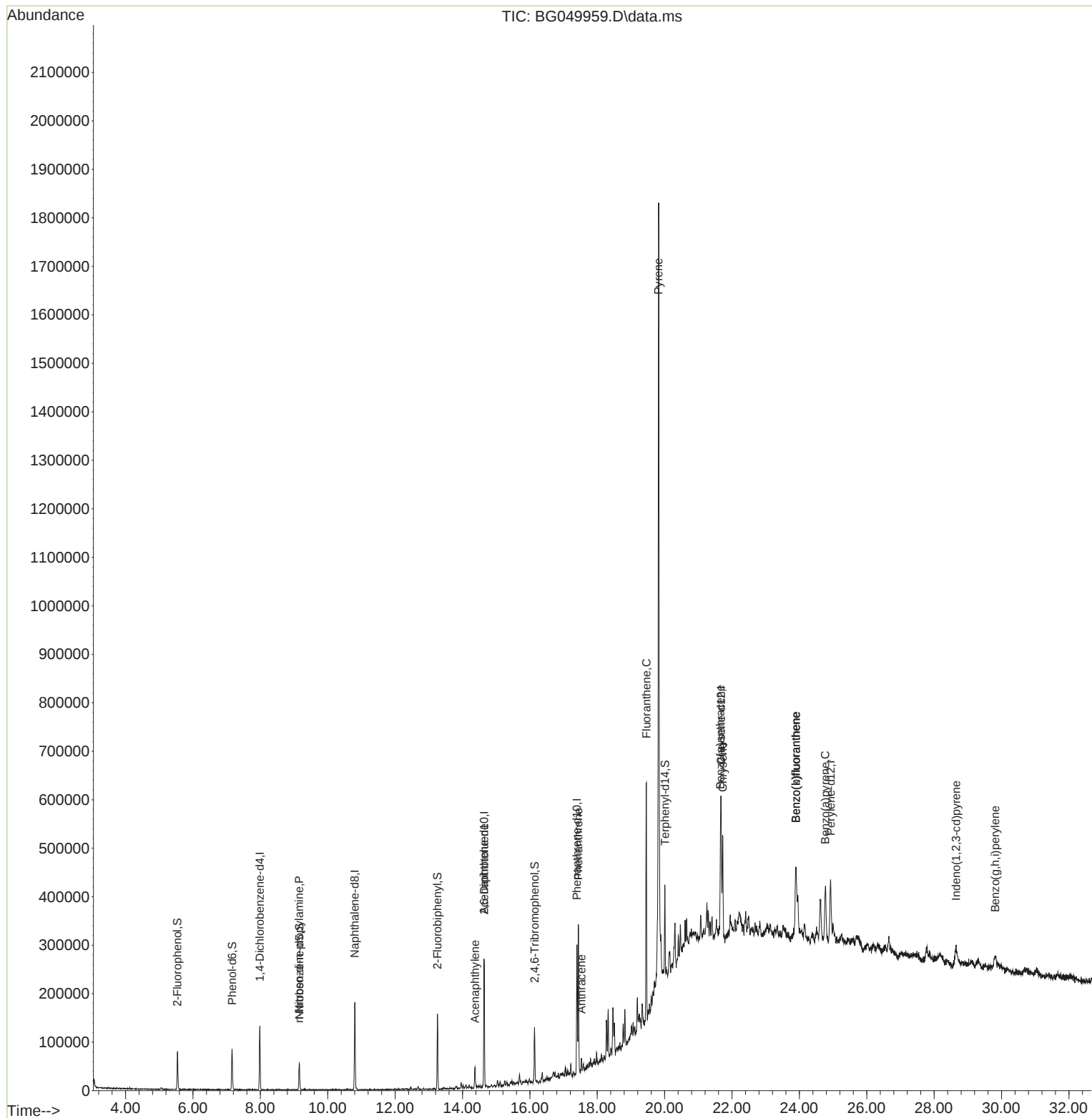
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	35418	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	147564	20.000	ng	# 0.00
39) Acenaphthene-d10	14.641	164	93700	20.000	ng	0.00
64) Phenanthrene-d10	17.396	188	157755	20.000	ng	# 0.00
76) Chrysene-d12	21.678	240	133618	20.000	ng	0.00
86) Perylene-d12	24.927	264	137218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.541	112	33555	16.983	ng	0.00
7) Phenol-d6	7.162	99	49207	16.453	ng	0.00
23) Nitrobenzene-d5	9.160	82	35369	10.606	ng	0.00
42) 2,4,6-Tribromophenol	16.139	330	20146	14.628	ng	0.00
45) 2-Fluorobiphenyl	13.254	172	76416	11.867	ng	0.00
79) Terphenyl-d14	20.010	244	85343	11.600	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.148	70	5630	2.813	ng	# 56
49) Acenaphthylene	14.370	152	35990	4.260	ng	97
51) 2,6-Dinitrotoluene	14.641	165	13374	8.592	ng	# 13
71) Phenanthrene	17.437	178	186318	22.449	ng	97
72) Anthracene	17.531	178	18933	2.323	ng	98
75) Fluoranthene	19.458	202	314320	30.776	ng	98
78) Pyrene	19.816	202	321727	35.318	ng	98
81) Benzo(a)anthracene	21.655	228	123288	14.168	ng	96
83) Chrysene	21.725	228	162660	19.555	ng	98
87) Indeno(1,2,3-cd)pyrene	28.651	276	73880	7.466	ng	# 95
88) Benzo(b)fluoranthene	23.899	252	191137	21.239	ng	# 88
89) Benzo(k)fluoranthene	23.899	252	191137	22.769	ng	# 93
90) Benzo(a)pyrene	24.768	252	131227	16.113	ng	# 96
92) Benzo(g,h,i)perylene	29.808	276	65117	7.971	ng	# 93

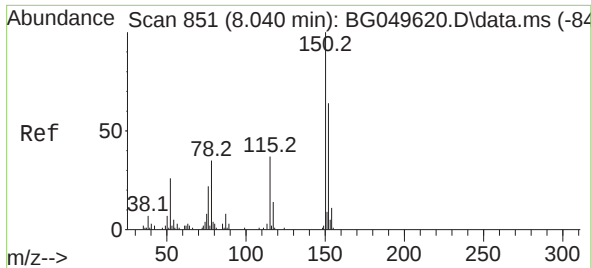
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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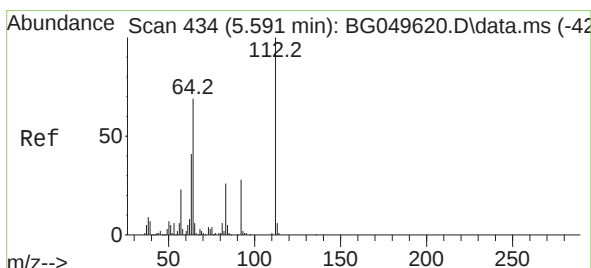
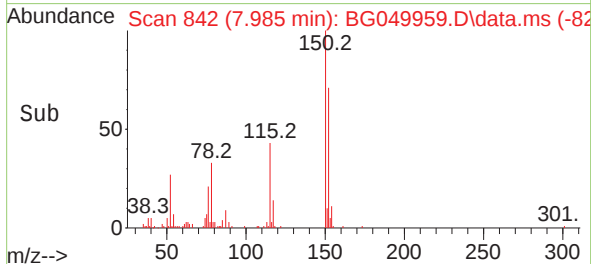
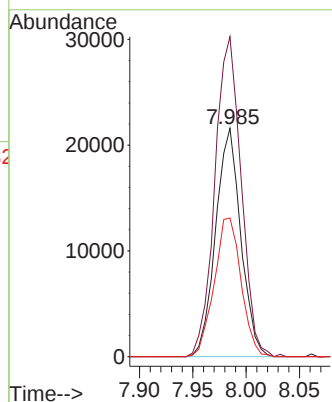
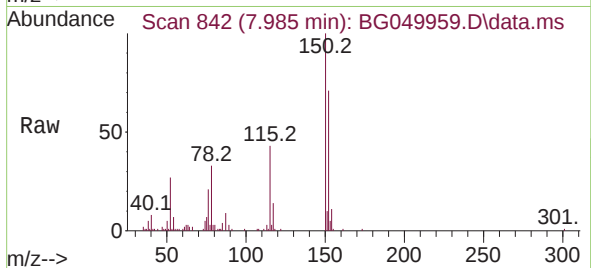




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 842
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

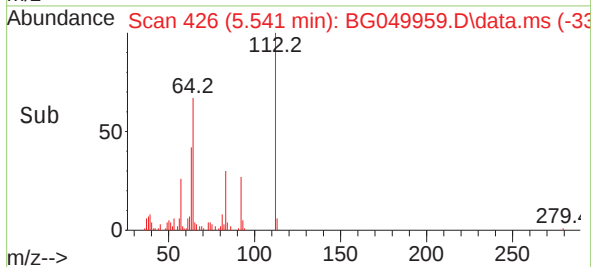
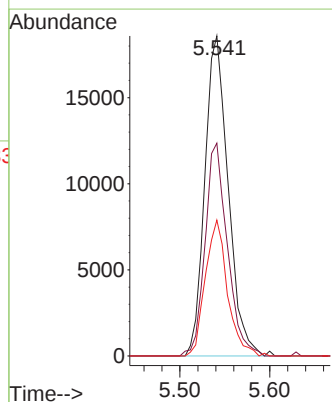
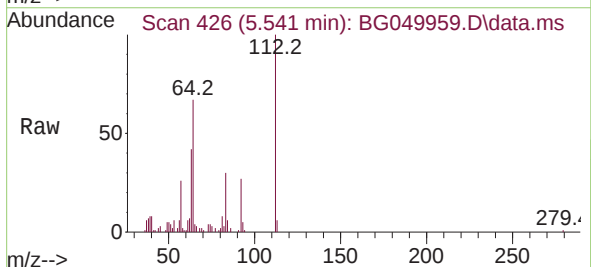
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BNA_G
ClientSampleId :
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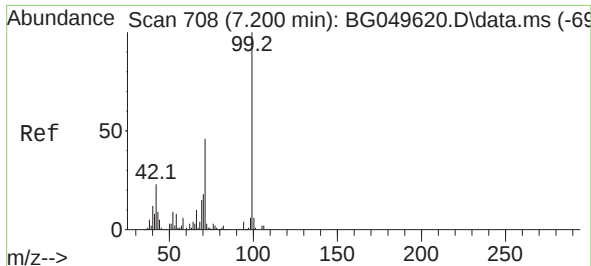
Tgt Ion:152 Resp: 35418
Ion Ratio Lower Upper
152 100
150 140.2 119.4 179.0
115 60.7 60.2 90.4



#5
2-Fluorophenol
Concen: 16.983 ng
RT: 5.541 min Scan# 426
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:112 Resp: 33555
Ion Ratio Lower Upper
112 100
64 66.5 46.7 70.1
63 42.4 35.3 52.9

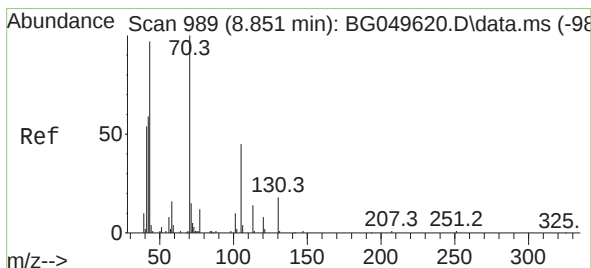
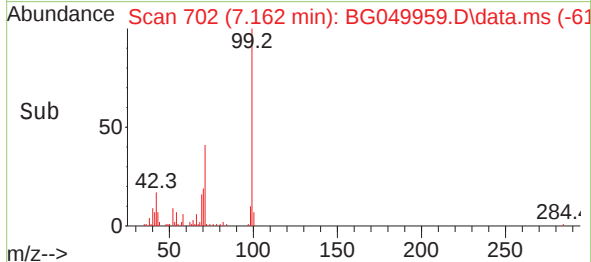
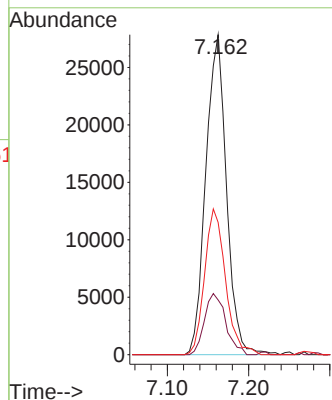
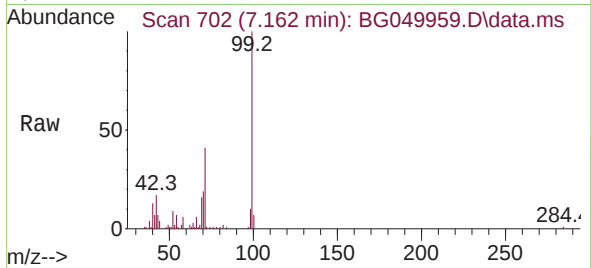




#7
Phenol-d6
Concen: 16.453 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

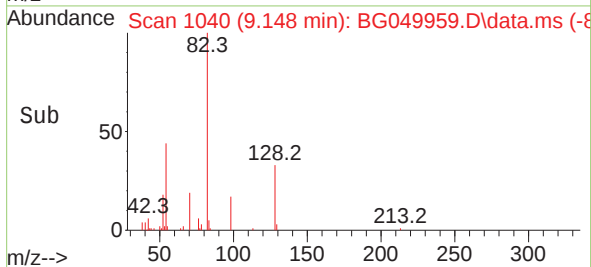
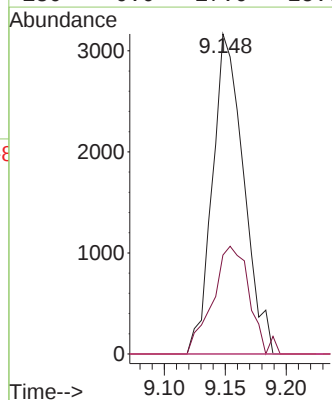
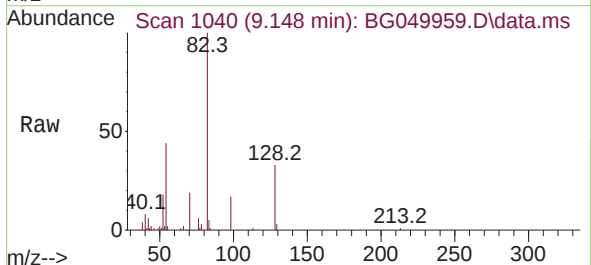
Instrument :
BNA_G
ClientSampleId :
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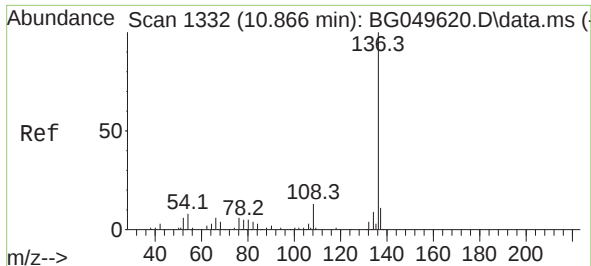
Tgt Ion: 99 Resp: 49207
Ion Ratio Lower Upper
99 100
42 17.1 20.5 30.7#
71 41.4 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.813 ng
RT: 9.148 min Scan# 1040
Delta R.T. 0.351 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion: 70 Resp: 5630
Ion Ratio Lower Upper
70 100
42 30.9 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

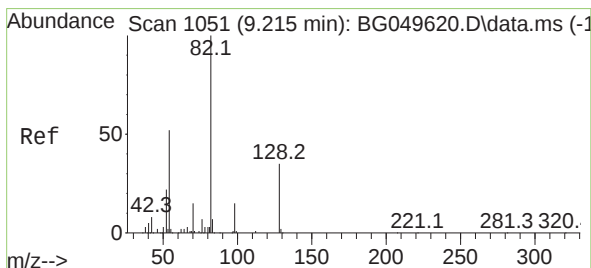
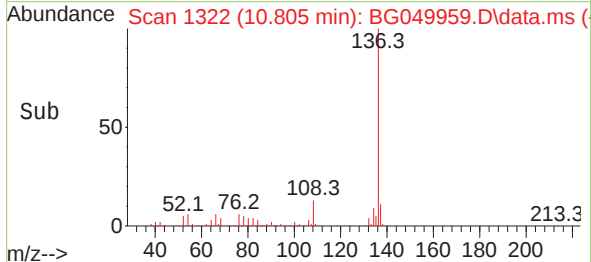
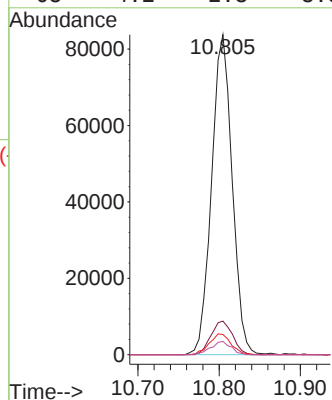
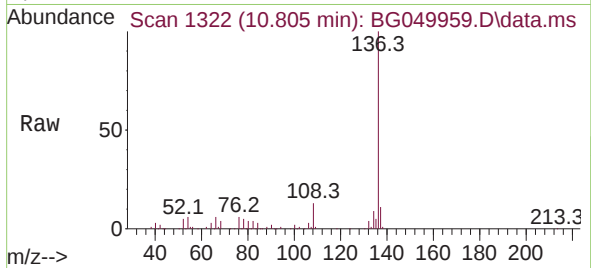




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.805 min Scan# 1322
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

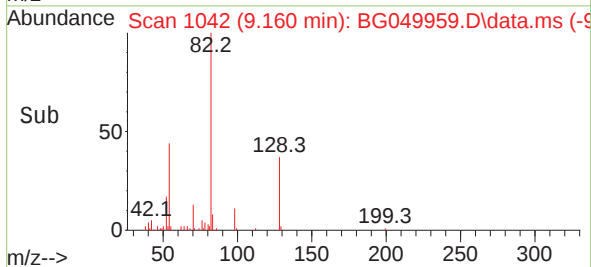
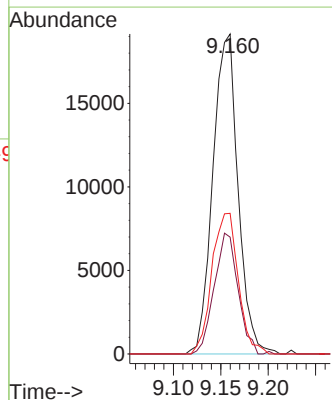
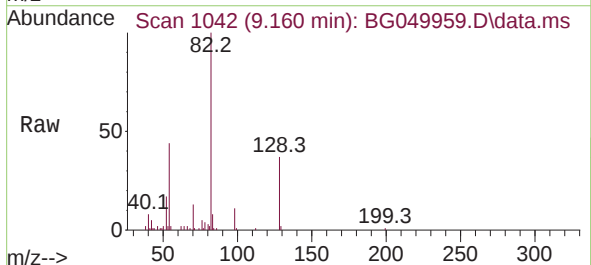
Instrument :
BNA_G
ClientSampleId :
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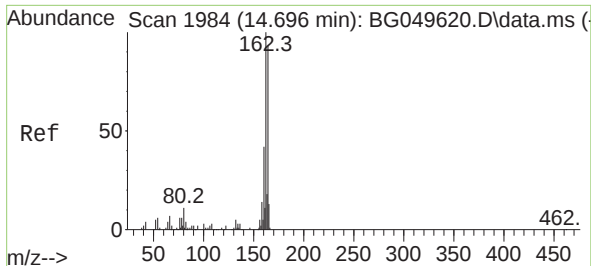
Tgt Ion:	136	Resp:	147564
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.2
54	6.3	5.5	8.3
68	4.2	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 10.606 ng
RT: 9.160 min Scan# 1042
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:	82	Resp:	35369
Ion Ratio	Lower	Upper	
82	100		
128	36.5	29.8	44.6
54	44.0	45.8	68.8#

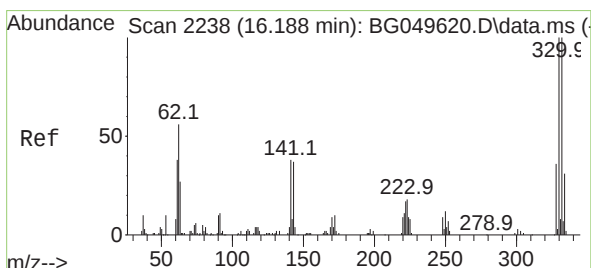
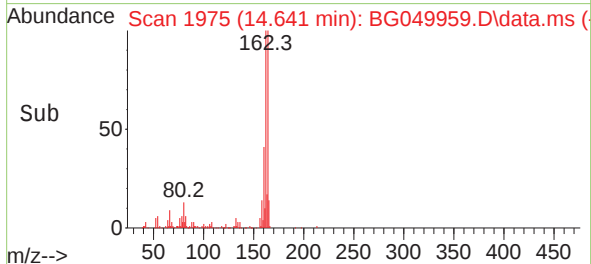
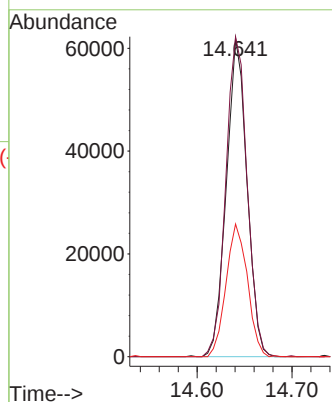
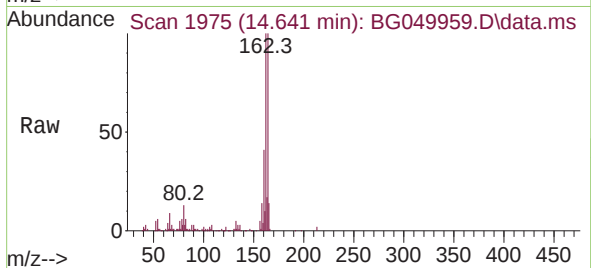




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.641 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

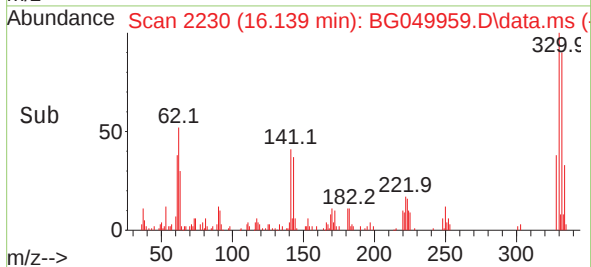
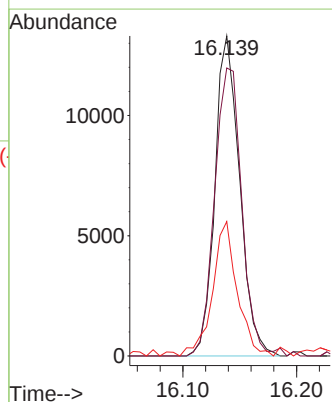
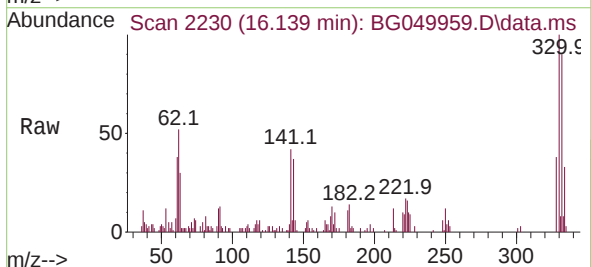
Instrument :
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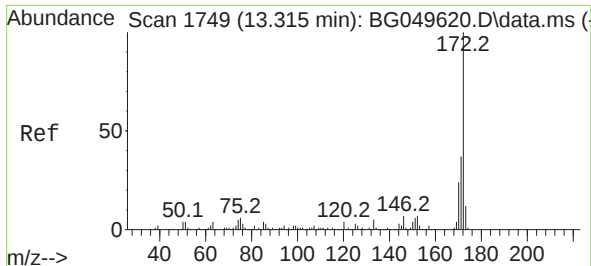
Tgt Ion:164 Resp: 93700
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 41.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 14.628 ng
RT: 16.139 min Scan# 2230
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:330 Resp: 20146
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 41.8 35.6 53.4

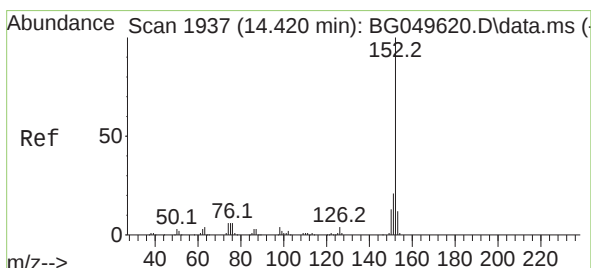
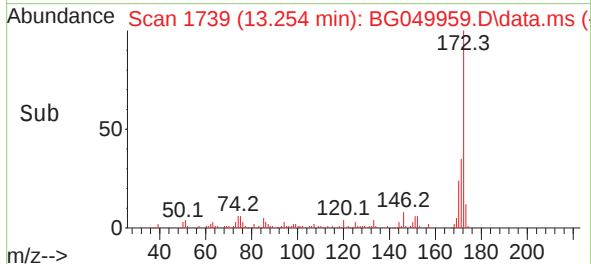
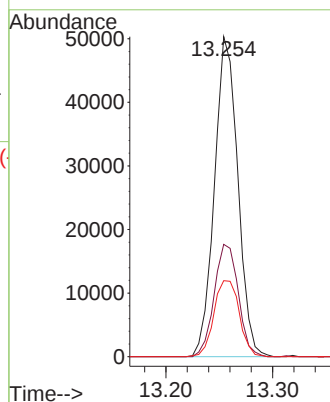
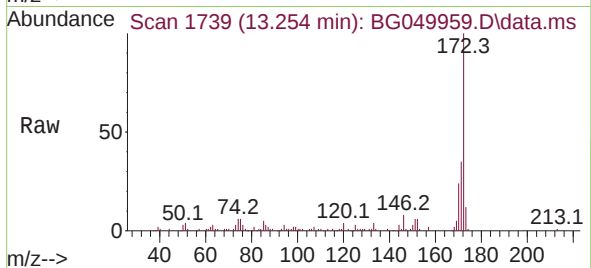




#45
2-Fluorobiphenyl
Concen: 11.867 ng
RT: 13.254 min Scan# 1739
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

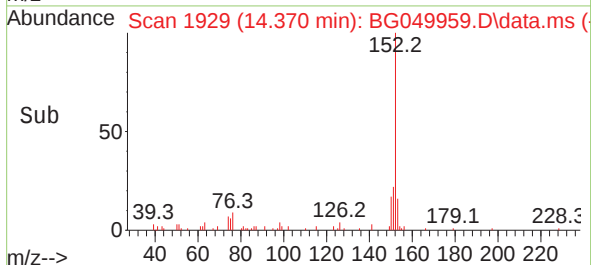
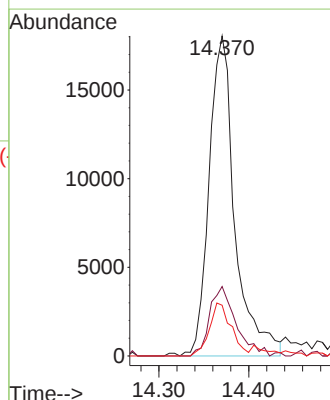
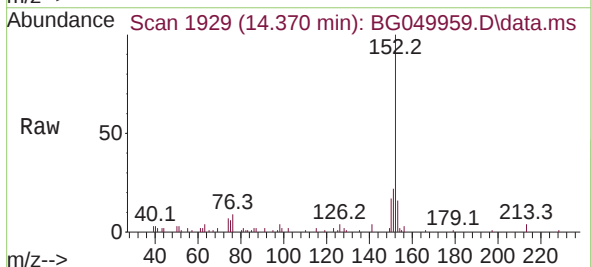
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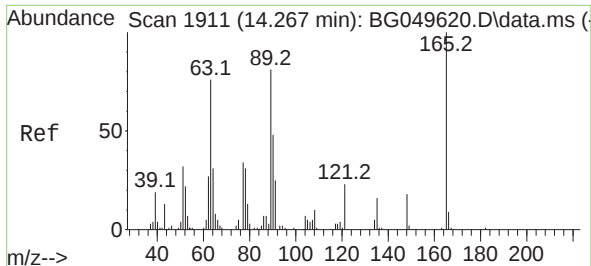
Tgt Ion:172 Resp: 76416
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.7 18.6 27.8



#49
Acenaphthylene
Concen: 4.260 ng
RT: 14.370 min Scan# 1929
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:152 Resp: 35990
Ion Ratio Lower Upper
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151 21.7 18.2 27.4
153 15.9 11.7 17.5

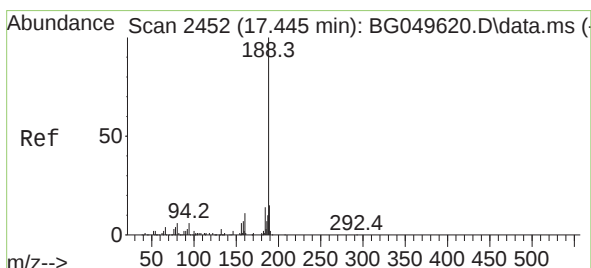
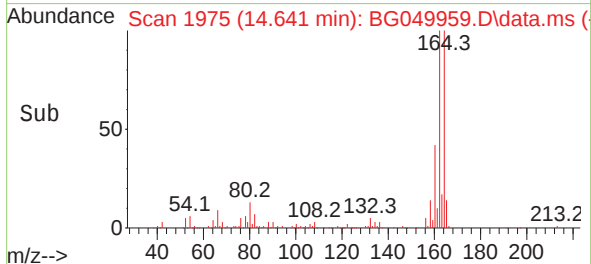
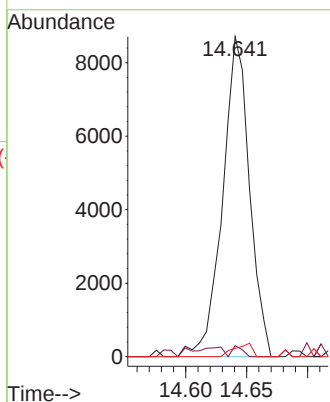
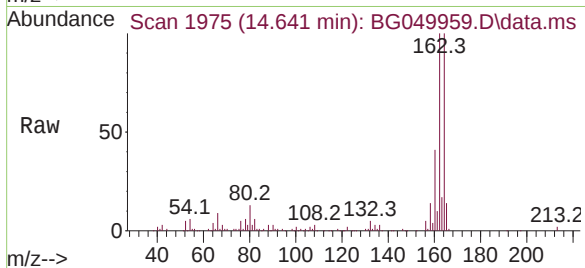




#51
2,6-Dinitrotoluene
Concen: 8.592 ng
RT: 14.641 min Scan# 1975
Delta R.T. 0.416 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

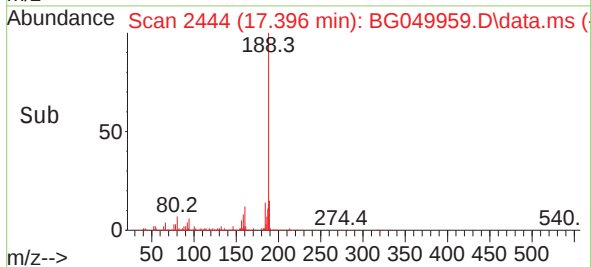
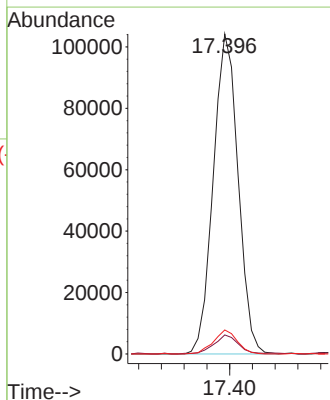
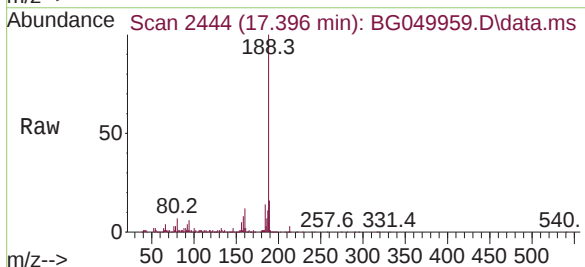
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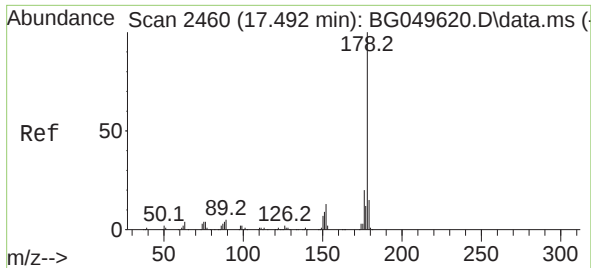
Tgt Ion:165 Resp: 13374
Ion Ratio Lower Upper
165 100
63 3.5 63.3 94.9#
89 2.6 63.4 95.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.396 min Scan# 2444
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:188 Resp: 157755
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 7.5 3.7 5.5#

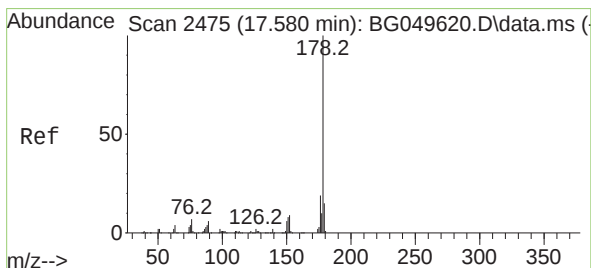
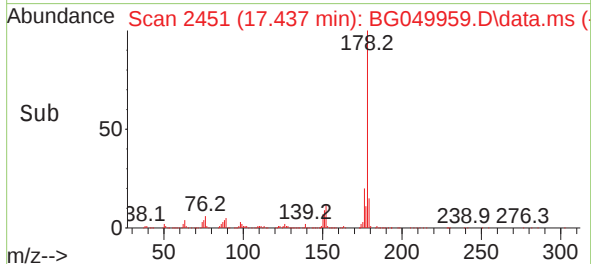
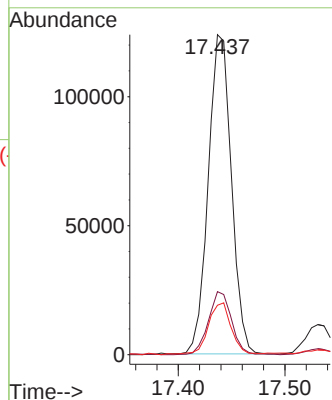
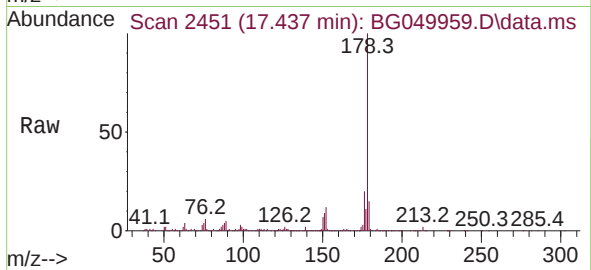




#71
Phenanthrene
Concen: 22.449 ng
RT: 17.437 min Scan# 2451
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

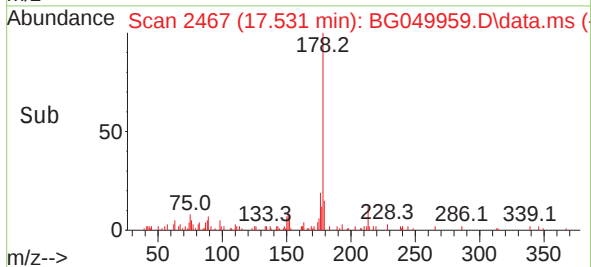
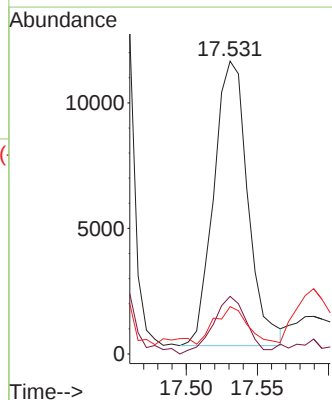
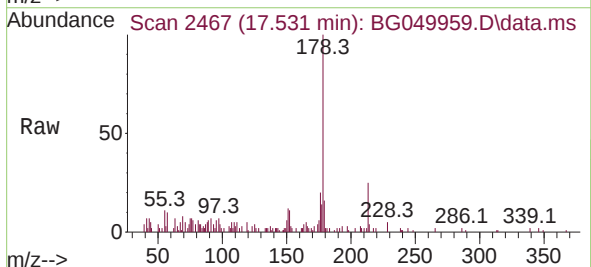
Instrument :
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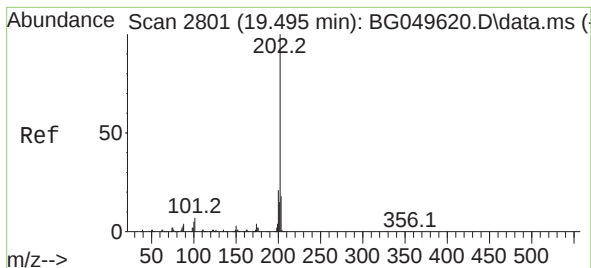
Tgt Ion:178 Resp: 186318
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 14.2 21.4



#72
Anthracene
Concen: 2.323 ng
RT: 17.531 min Scan# 2467
Delta R.T. -0.007 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:178 Resp: 18933
Ion Ratio Lower Upper
178 100
176 19.7 14.6 21.8
179 16.2 13.4 20.0

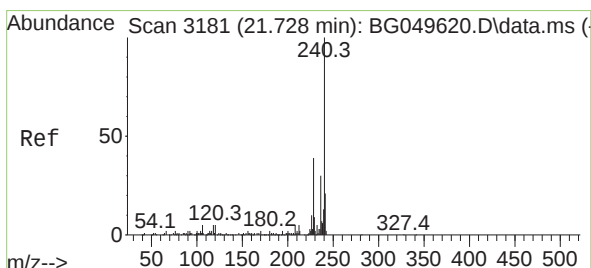
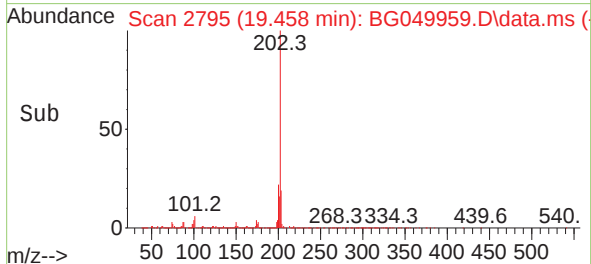
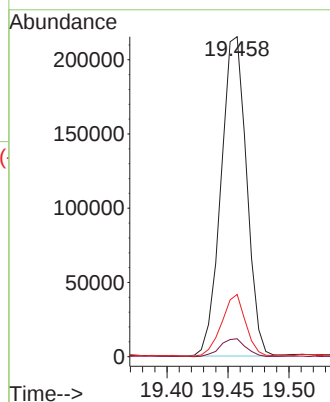
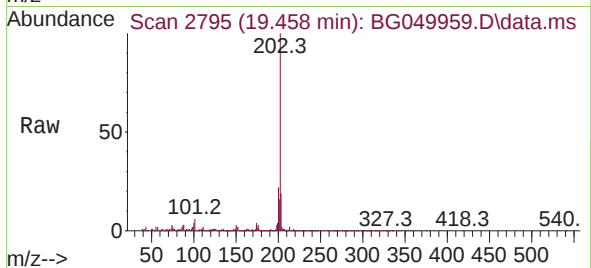




#75
Fluoranthene
Concen: 30.776 ng
RT: 19.458 min Scan# 2795
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

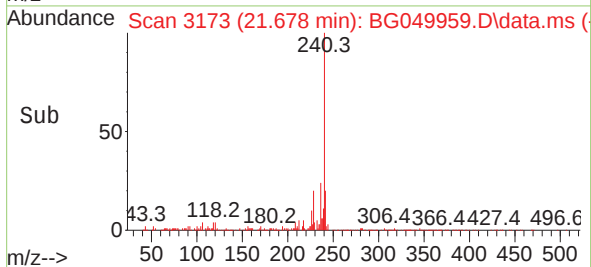
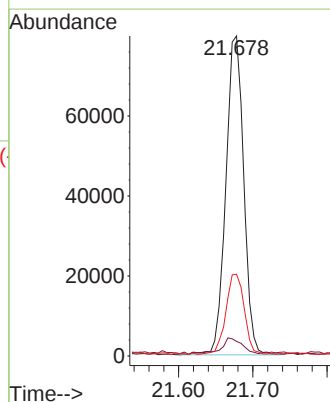
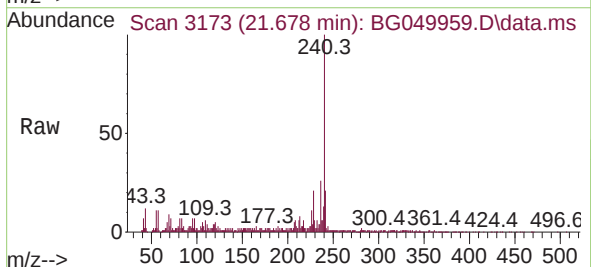
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

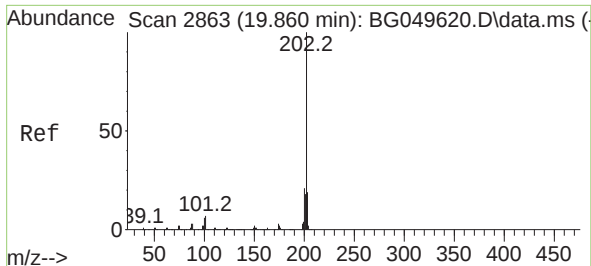
Tgt Ion:	202	Resp:	314320
Ion Ratio	Lower	Upper	
202	100		
101	5.6	0.0	24.7
203	19.4	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.678 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:	240	Resp:	133618
Ion Ratio	Lower	Upper	
240	100		
120	4.6	4.2	6.2
236	25.6	21.8	32.6

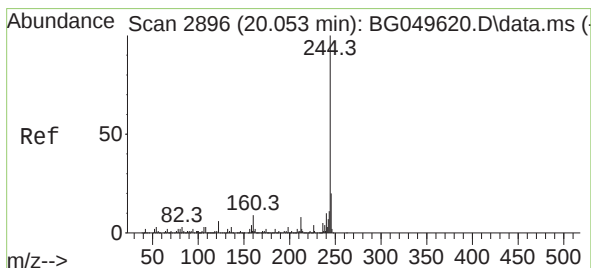
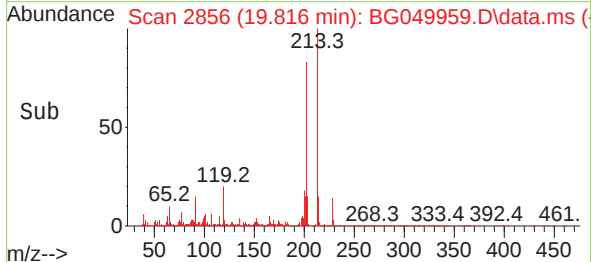
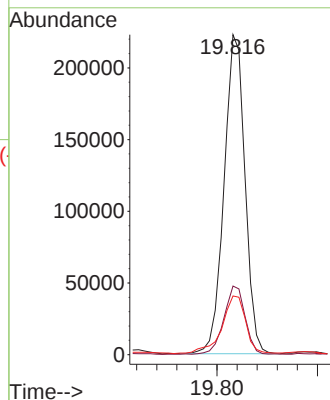
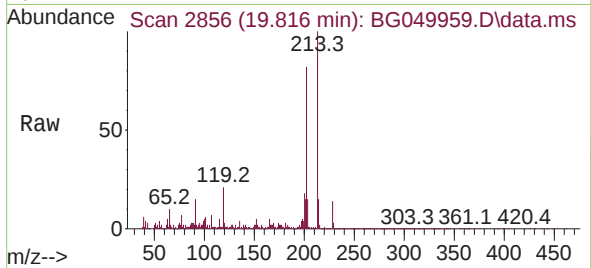




#78
Pyrene
Concen: 35.318 ng
RT: 19.816 min Scan# 2856
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

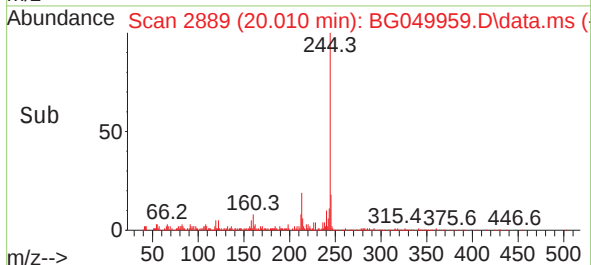
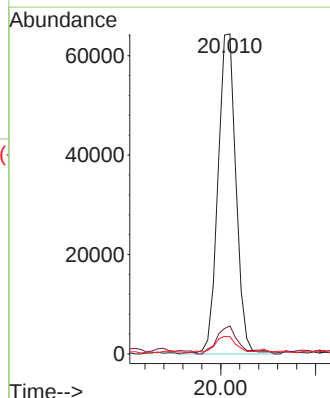
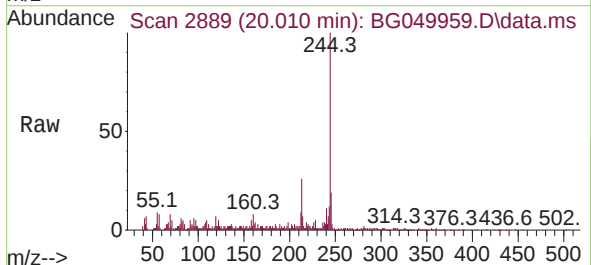
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

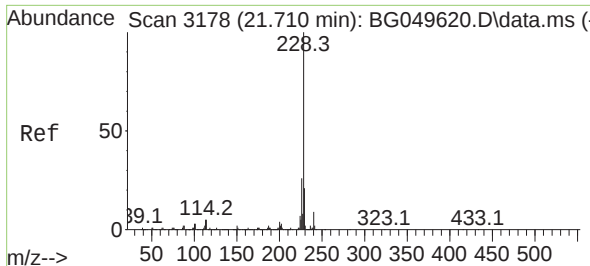
Tgt Ion:	202	Resp:	321727
Ion Ratio	Lower	Upper	
202	100		
200	21.5	15.8	23.8
203	18.4	14.6	21.8



#79
Terphenyl-d14
Concen: 11.600 ng
RT: 20.010 min Scan# 2889
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:	244	Resp:	85343
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.9	10.3
122	5.4	5.0	7.6

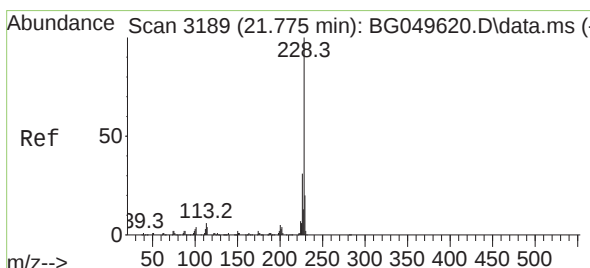
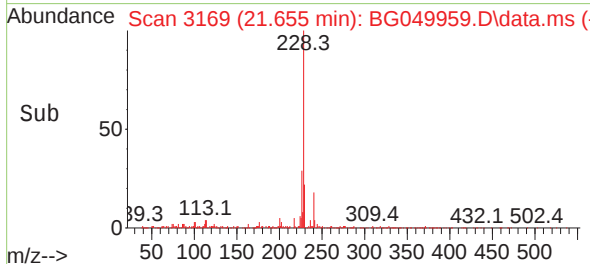
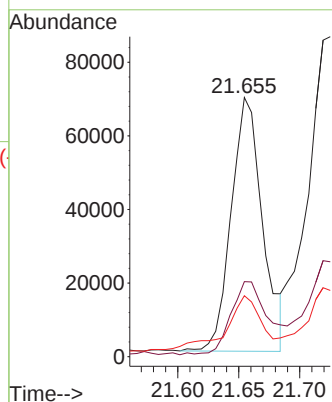
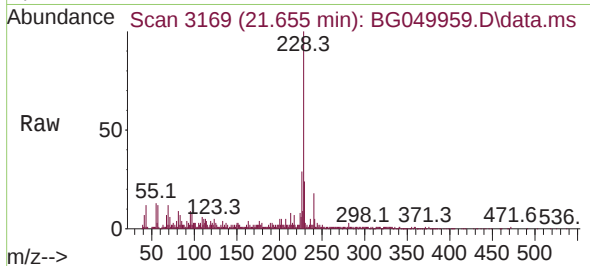




#81
Benzo(a)anthracene
Concen: 14.168 ng
RT: 21.655 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

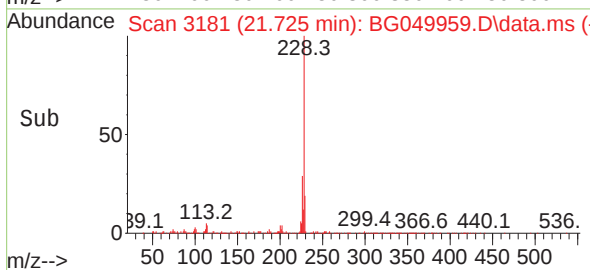
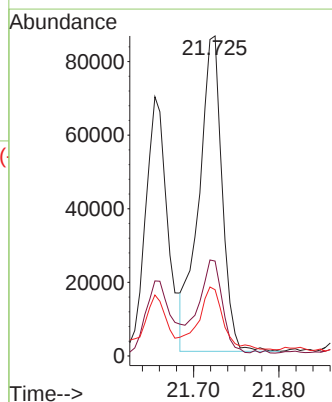
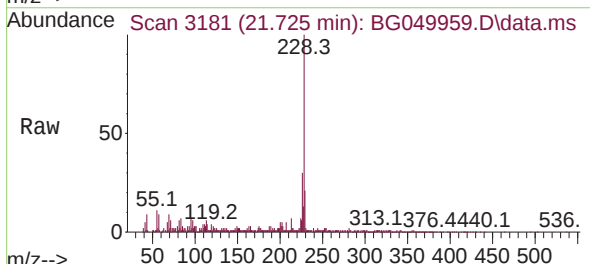
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

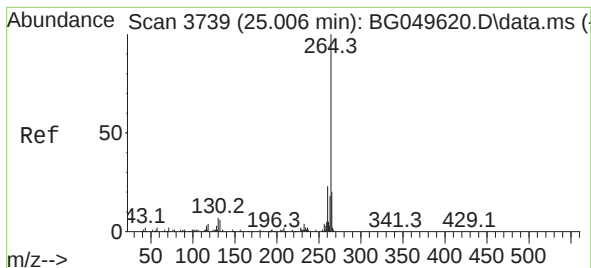
Tgt Ion:228 Resp: 123288
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 23.5 16.0 24.0



#83
Chrysene
Concen: 19.555 ng
RT: 21.725 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:228 Resp: 162660
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 20.7 15.3 22.9

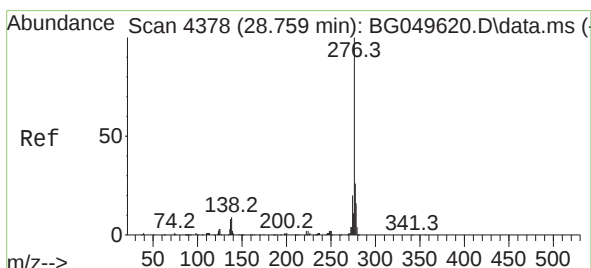
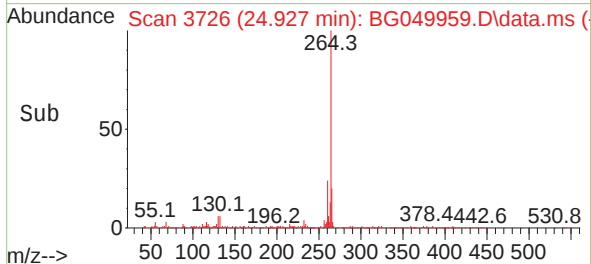
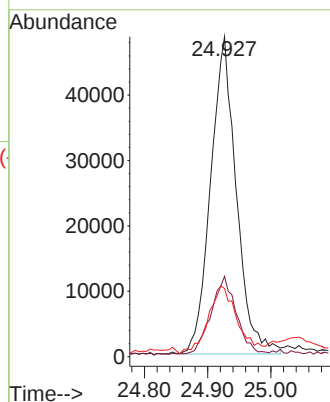
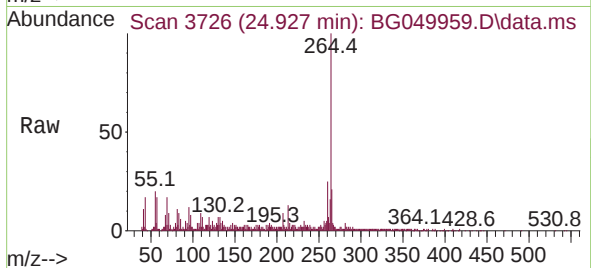




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.927 min Scan# 3726
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

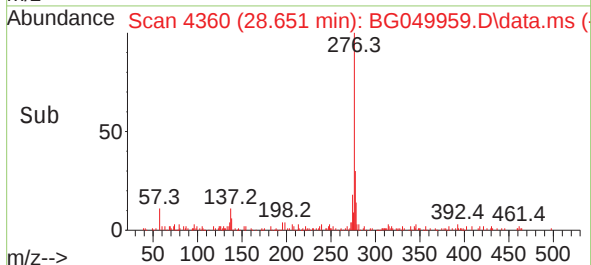
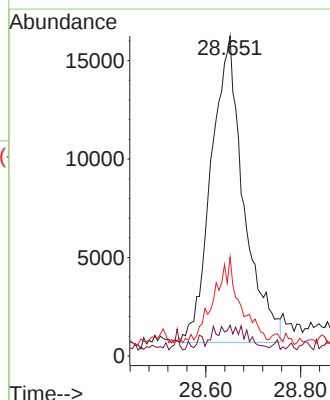
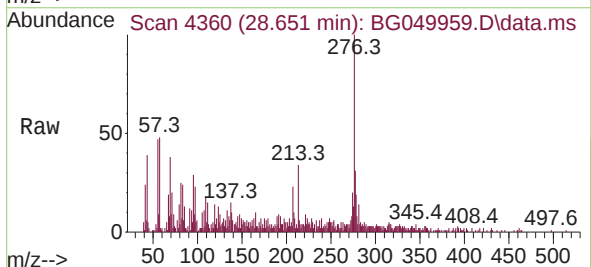
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

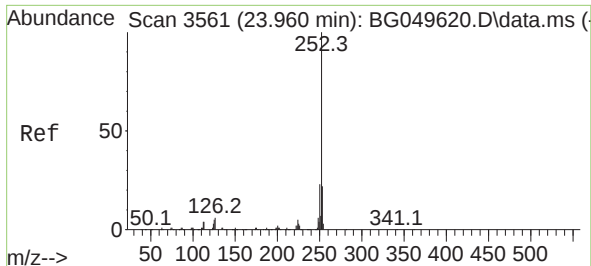
Tgt Ion:264	Resp:	137218
Ion Ratio	Lower	Upper
264	100	
260	25.1	19.4 29.2
265	21.3	16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.466 ng
RT: 28.651 min Scan# 4360
Delta R.T. 0.005 min
Lab File: BG049959.D
Acq: 24 Aug 2021 19:31

Tgt Ion:276	Resp:	73880
Ion Ratio	Lower	Upper
276	100	
138	0.7	5.1 7.7#
277	23.9	19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 21.239 ng

RT: 23.899 min Scan# 3551

Delta R.T. 0.005 min

Lab File: BG049959.D

Acq: 24 Aug 2021 19:31

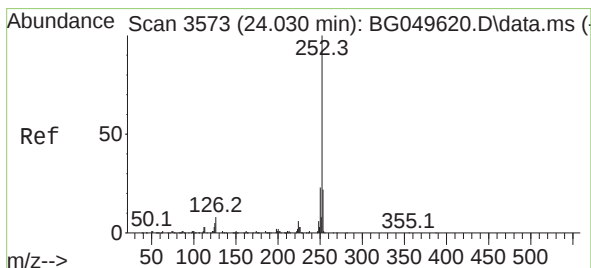
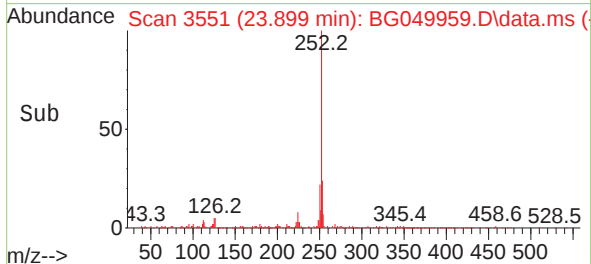
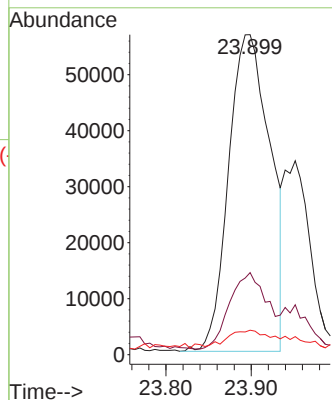
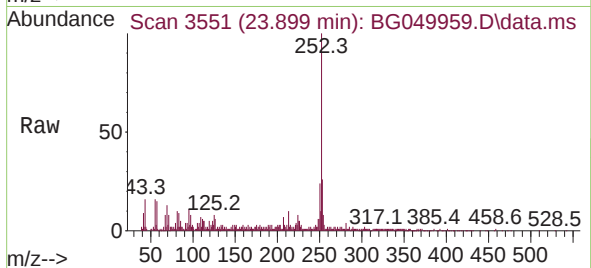
Instrument :

BNA_G

ClientSampleId :

SWCS-02-0002

Tgt Ion:252 Resp: 191137
 Ion Ratio Lower Upper
 252 100
 253 25.7 16.2 24.4#
 125 7.6 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 22.769 ng

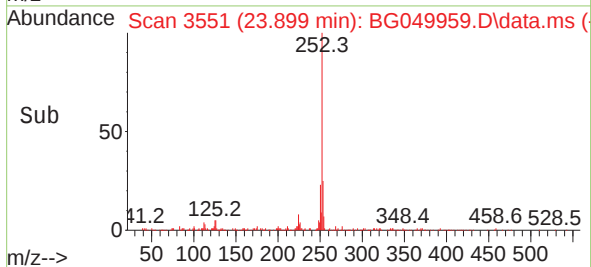
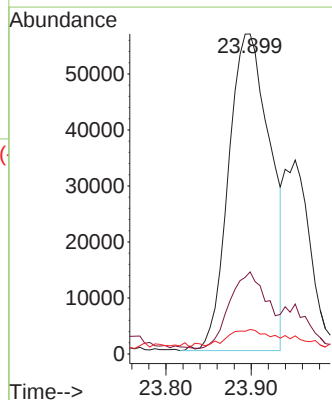
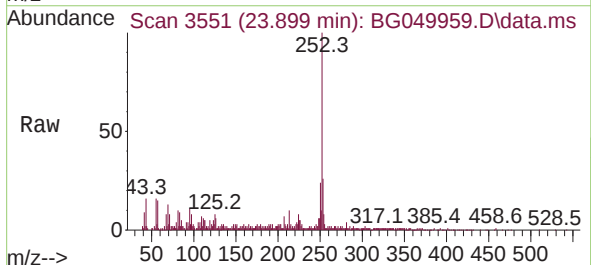
RT: 23.899 min Scan# 3551

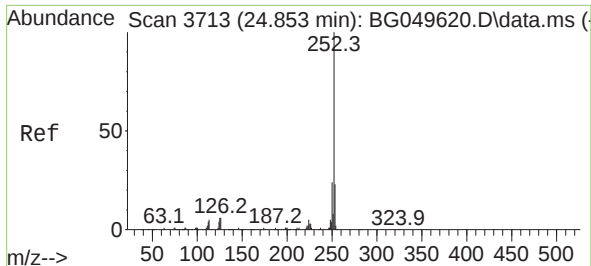
Delta R.T. -0.060 min

Lab File: BG049959.D

Acq: 24 Aug 2021 19:31

Tgt Ion:252 Resp: 191137
 Ion Ratio Lower Upper
 252 100
 253 25.7 18.0 27.0
 125 7.6 3.1 4.7#





#90

Benzo(a)pyrene

Concen: 16.113 ng

RT: 24.768 min Scan# 3699

Delta R.T. -0.007 min

Lab File: BG049959.D

Acq: 24 Aug 2021 19:31

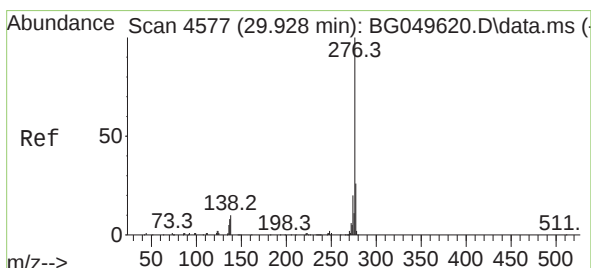
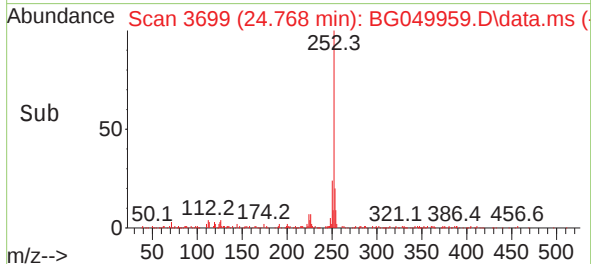
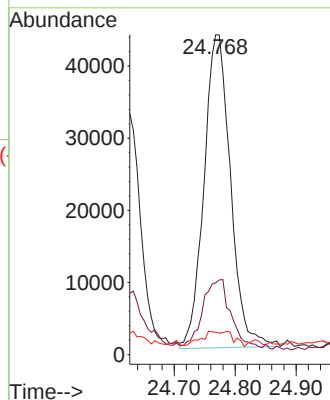
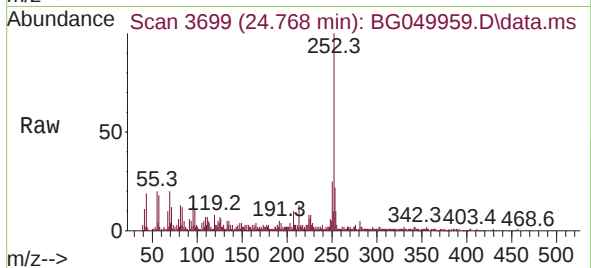
Instrument :

BNA_G

ClientSampleId :

SWCS-02-0002

Tgt Ion:252	Resp:	131227
Ion Ratio	Lower	Upper
252	100	
253	22.5	16.6 25.0
125	7.0	3.5 5.3#



#92

Benzo(g,h,i)perylene

Concen: 7.971 ng

RT: 29.808 min Scan# 4557

Delta R.T. -0.007 min

Lab File: BG049959.D

Acq: 24 Aug 2021 19:31

Tgt Ion:276	Resp:	65117
Ion Ratio	Lower	Upper
276	100	
277	25.7	18.4 27.6
138	12.2	7.0 10.6#

