

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051082.D
 Acq On : 17 Nov 2021 1:22
 Operator : CG/JU
 Sample : M4625-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021

Quant Time: Nov 17 02:27:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

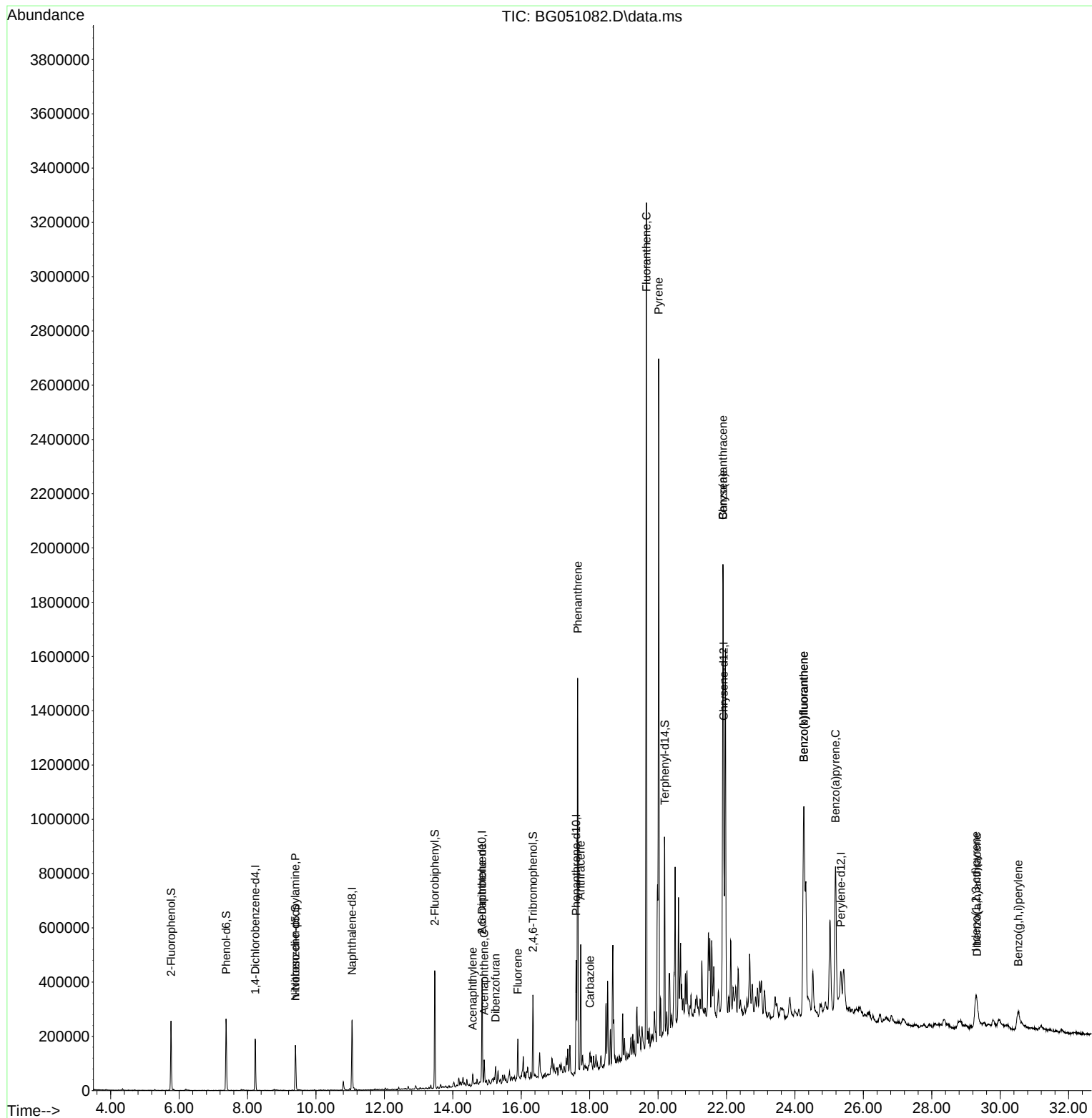
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	53532	20.000	ng	0.00
21) Naphthalene-d8	11.058	136	224122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	139547	20.000	ng	0.00
64) Phenanthrene-d10	17.609	188	263992	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	225455	20.000	ng	# 0.02
86) Perylene-d12	25.341	264	187116	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	113805	31.802	ng	0.00
7) Phenol-d6	7.374	99	156359	30.956	ng	0.00
23) Nitrobenzene-d5	9.401	82	111276	21.978	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	43882	31.423	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	225156	25.493	ng	0.00
79) Terphenyl-d14	20.195	244	281285	22.829	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.591	88	53	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	9.401	70	15535	4.162	ng	# 67
49) Acenaphthylene	14.584	152	38627	2.989	ng	95
51) 2,6-Dinitrotoluene	14.854	165	19945	8.826	ng	# 12
52) Acenaphthene	14.918	154	29221	3.881	ng	88
55) Dibenzofuran	15.253	168	27414	2.141	ng	96
58) Fluorene	15.900	166	67847	6.787	ng	99
71) Phenanthrene	17.650	178	898250	63.789	ng	99
72) Anthracene	17.739	178	300645	21.467	ng	99
73) Carbazole	18.009	167	34828	2.511	ng	# 93
75) Fluoranthene	19.660	202	1928157	111.610	ng	89
78) Pyrene	20.018	202	1615450	95.512	ng	# 90
81) Benzo(a)anthracene	21.898	228	1132124	73.131	ng	96
83) Chrysene	21.898	228	1132124	77.523	ng	96
87) Indeno(1,2,3-cd)pyrene	29.290	276	274241	20.649	ng	# 89
88) Benzo(b)fluoranthene	24.260	252	1063125	90.262	ng	# 91
89) Benzo(k)fluoranthene	24.260	252	1063125	90.501	ng	# 95
90) Benzo(a)pyrene	25.183	252	819314	81.480	ng	# 93
91) Dibenzo(a,h)anthracene	29.325	278	71211	6.512	ng	# 79
92) Benzo(g,h,i)perylene	30.530	276	233738	21.721	ng	# 93

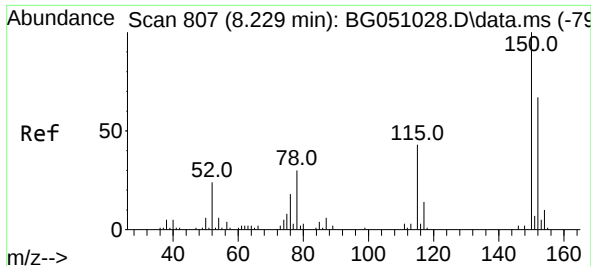
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

Quant Time: Nov 17 02:27:43 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

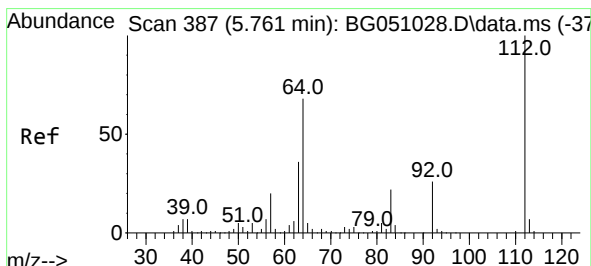
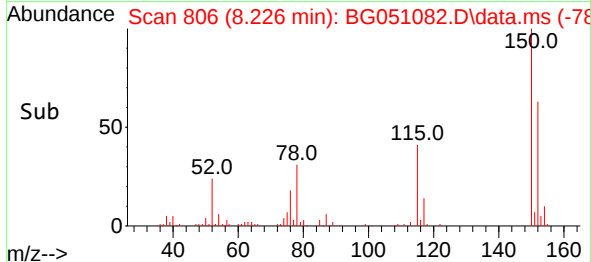
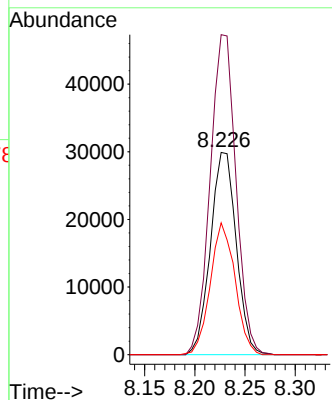
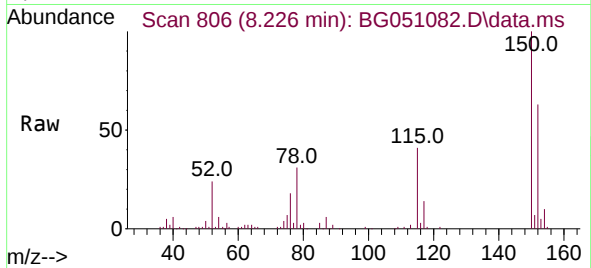




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 807
Delta R.T. -0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

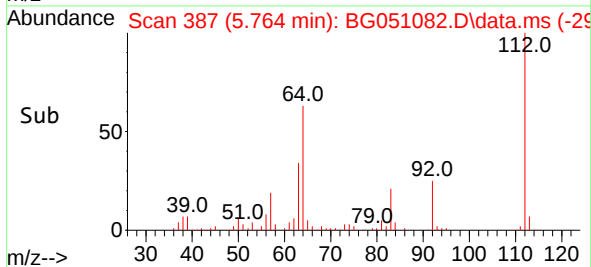
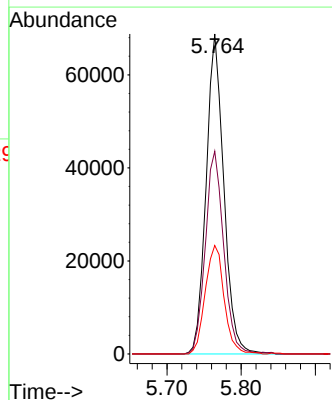
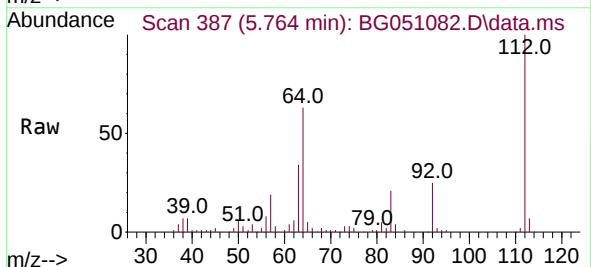
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

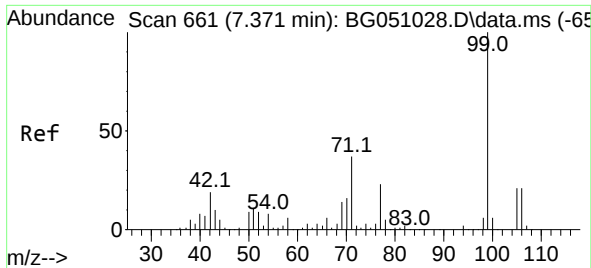
Tgt Ion:152 Resp: 53532
Ion Ratio Lower Upper
152 100
150 158.2 119.4 179.0
115 65.2 60.2 90.4



#5
2-Fluorophenol
Concen: 31.802 ng
RT: 5.764 min Scan# 387
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:112 Resp: 113805
Ion Ratio Lower Upper
112 100
64 63.4 46.7 70.1
63 33.9 35.3 52.9#

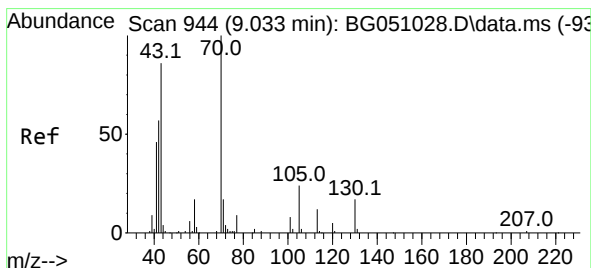
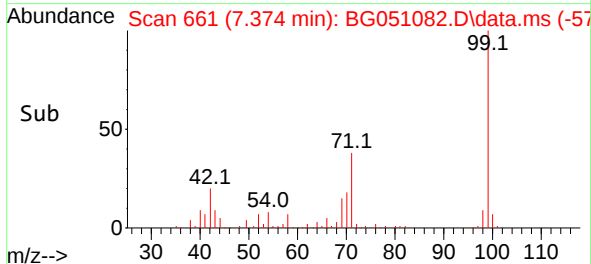
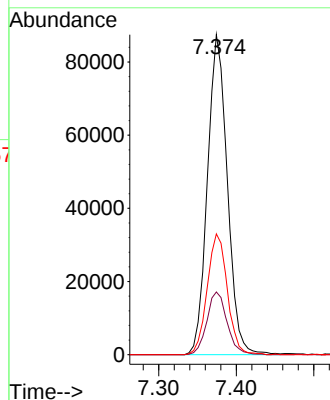
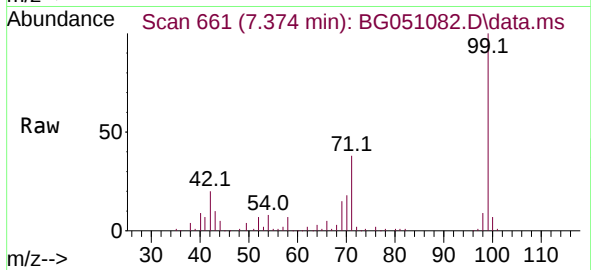




#7
Phenol-d6
Concen: 30.956 ng
RT: 7.374 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

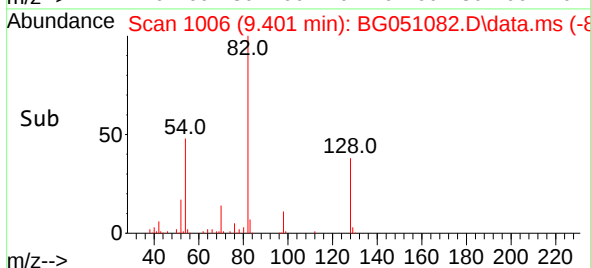
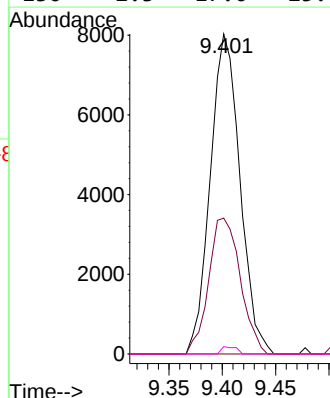
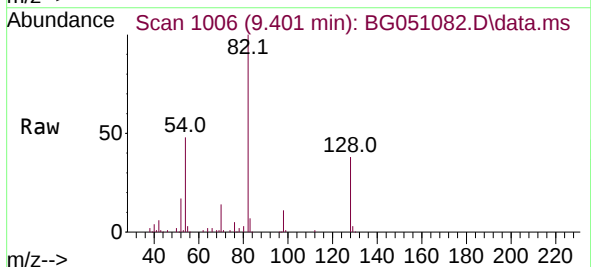
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

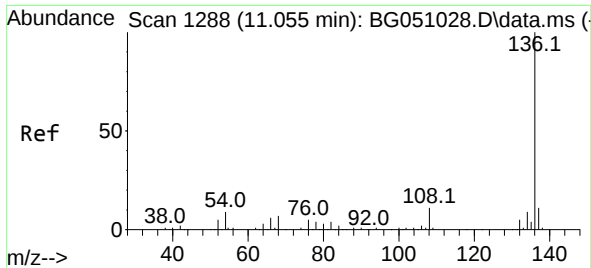
Tgt Ion: 99 Resp: 156359
Ion Ratio Lower Upper
99 100
42 19.6 20.5 30.7#
71 37.7 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 4.162 ng
RT: 9.401 min Scan# 1006
Delta R.T. 0.368 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion: 70 Resp: 15535
Ion Ratio Lower Upper
70 100
42 42.4 54.5 81.7#
101 0.0 9.0 13.6#
130 2.3 17.0 25.6#

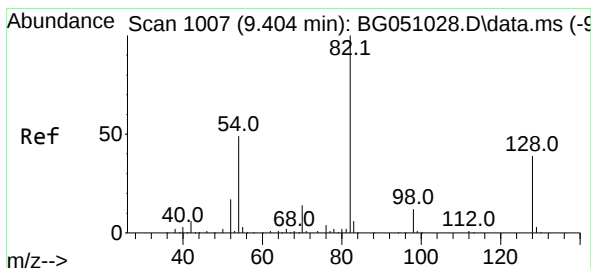
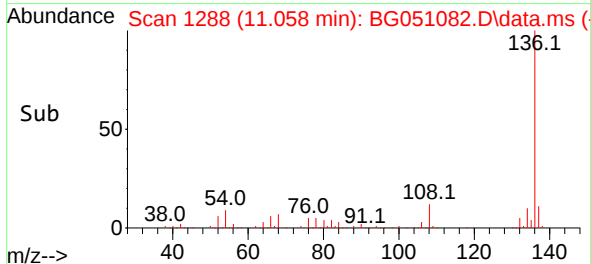
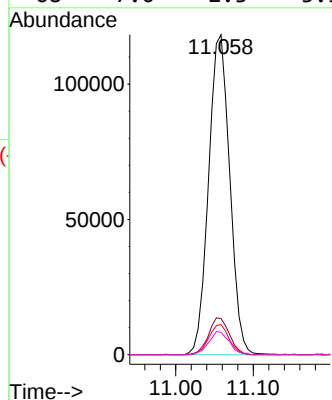
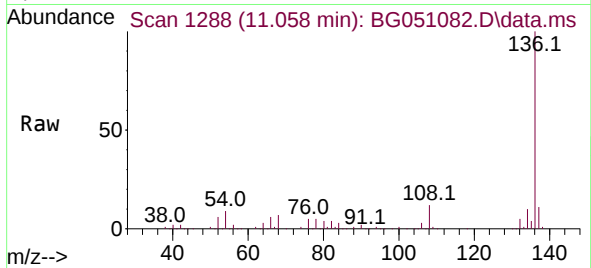




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.058 min Scan# 11058
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

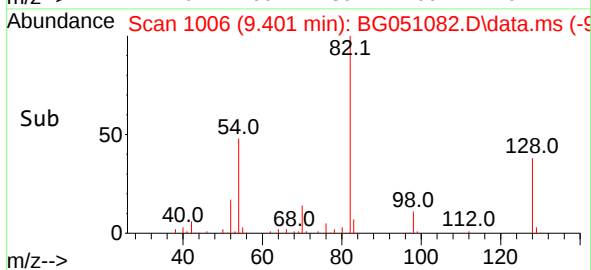
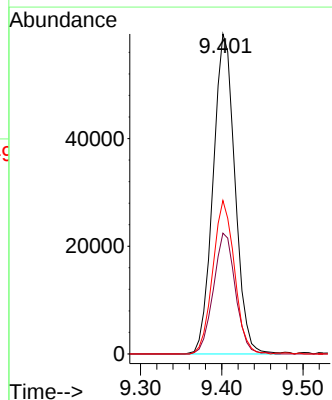
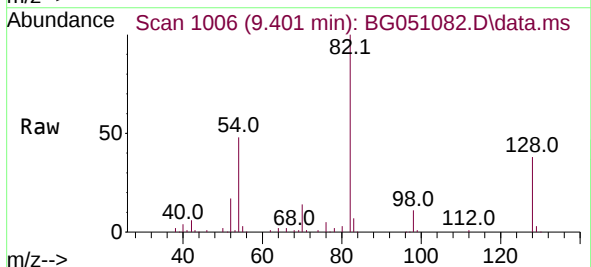
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

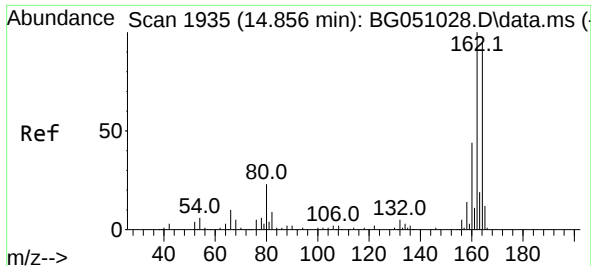
Tgt Ion:	136	Resp:	224122
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.2	12.2
54	9.4	5.5	8.3#
68	7.0	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 21.978 ng
RT: 9.401 min Scan# 1006
Delta R.T. -0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:	82	Resp:	111276
Ion Ratio	Lower	Upper	
82	100		
128	37.7	29.8	44.6
54	48.0	45.8	68.8

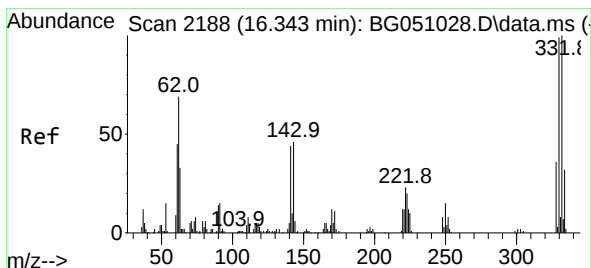
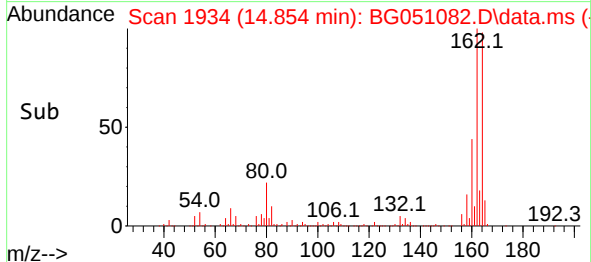
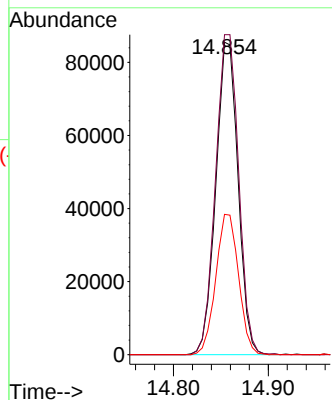
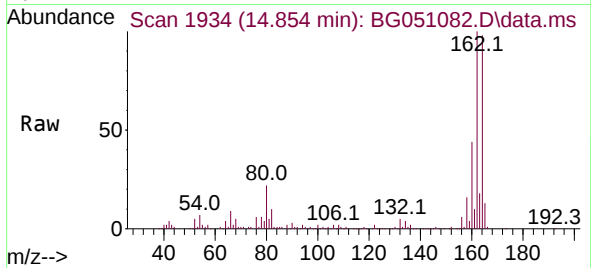




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

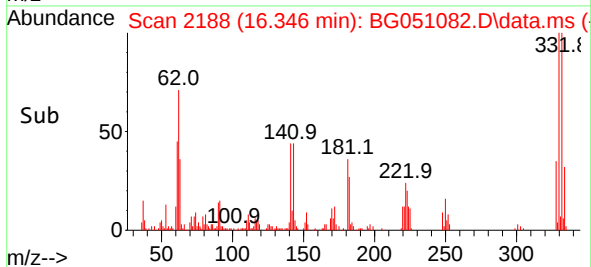
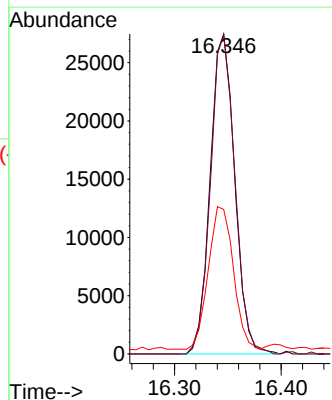
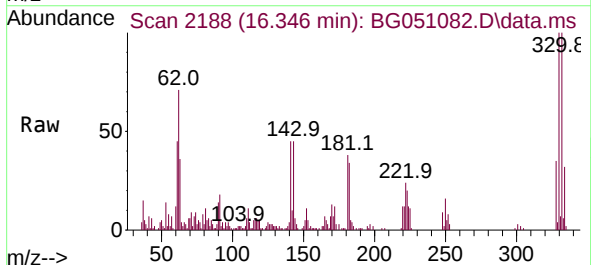
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

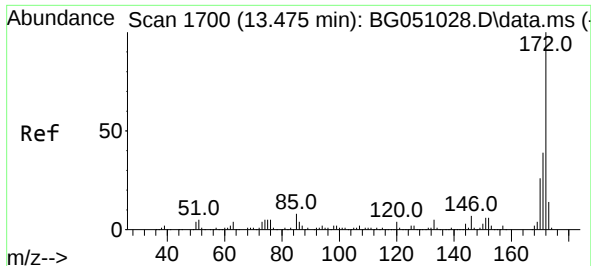
Tgt Ion:164 Resp: 139547
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 44.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 31.423 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:330 Resp: 43882
Ion Ratio Lower Upper
330 100
332 98.5 77.3 115.9
141 45.5 35.6 53.4

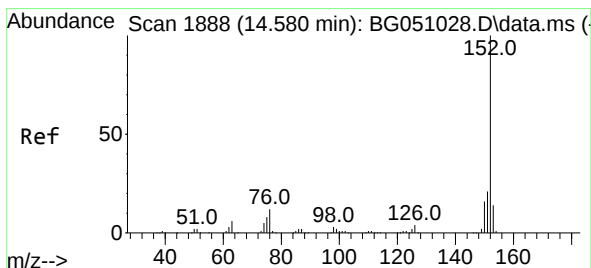
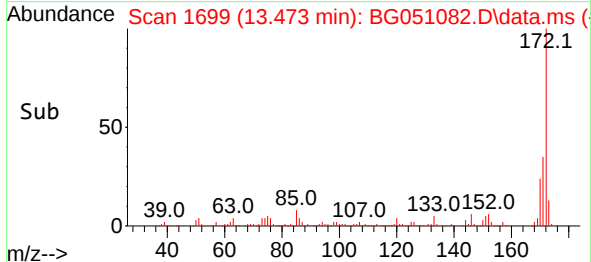
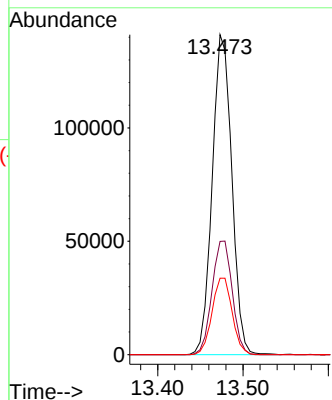
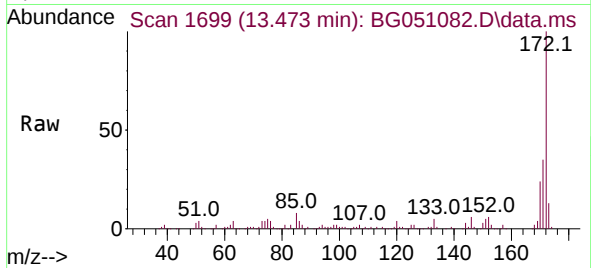




#45
2-Fluorobiphenyl
Concen: 25.493 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

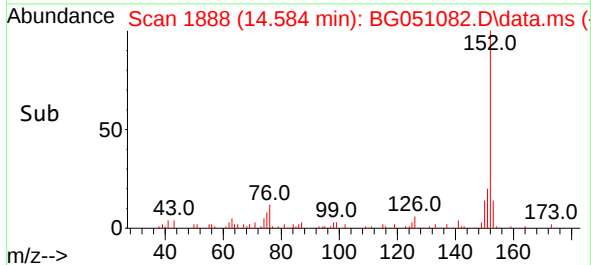
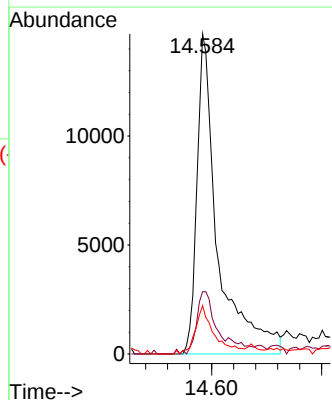
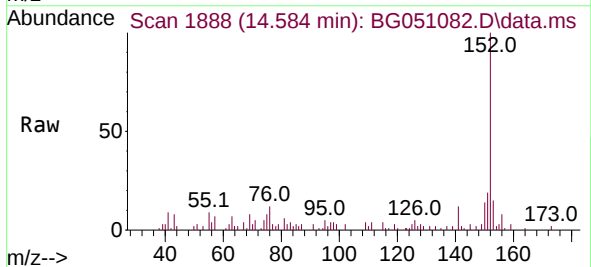
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

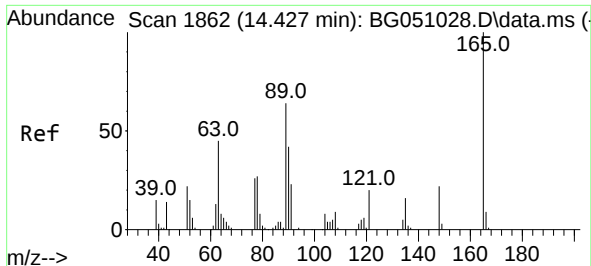
Tgt Ion:172 Resp: 225156
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 18.6 27.8



#49
Acenaphthylene
Concen: 2.989 ng
RT: 14.584 min Scan# 1888
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:152 Resp: 38627
Ion Ratio Lower Upper
152 100
151 19.5 18.2 27.4
153 15.1 11.7 17.5

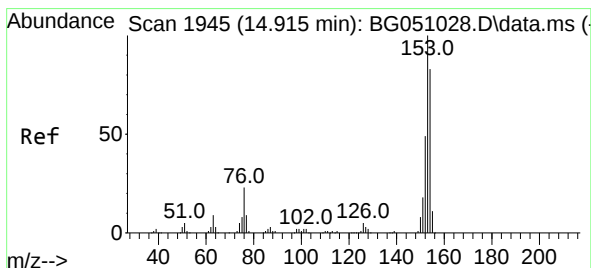
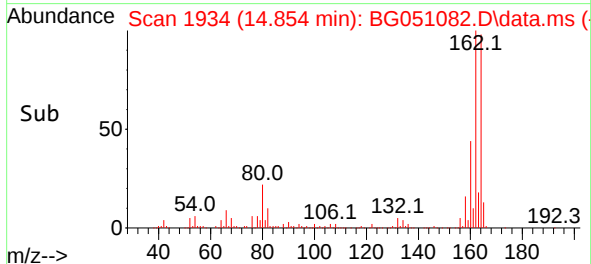
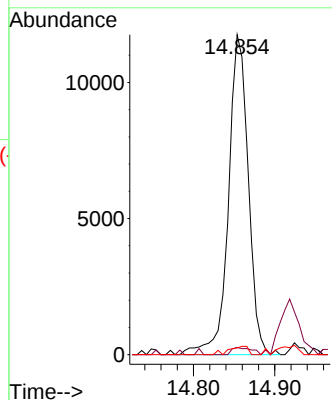
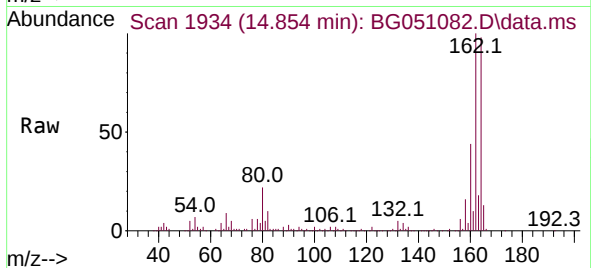




#51
2,6-Dinitrotoluene
Concen: 8.826 ng
RT: 14.854 min Scan# 1934
Delta R.T. 0.427 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

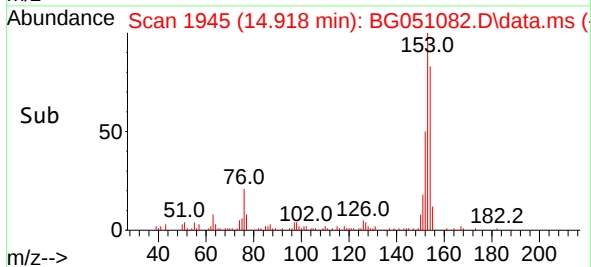
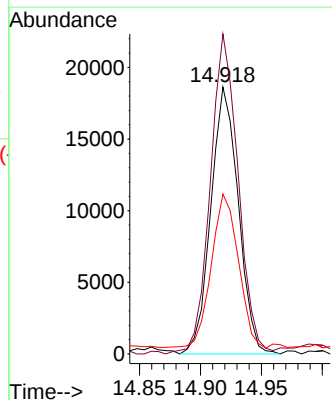
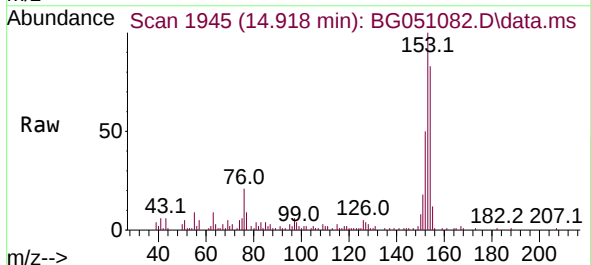
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

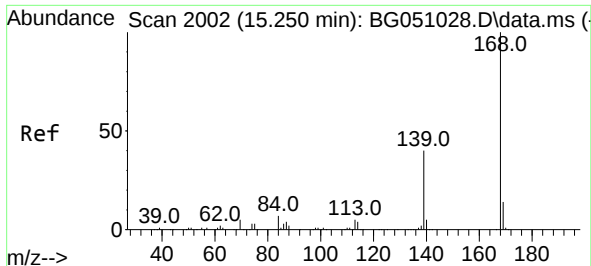
Tgt Ion:165 Resp: 19945
Ion Ratio Lower Upper
165 100
63 2.2 63.3 94.9#
89 2.1 63.4 95.0#



#52
Acenaphthene
Concen: 3.881 ng
RT: 14.918 min Scan# 1945
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:154 Resp: 29221
Ion Ratio Lower Upper
154 100
153 119.9 87.0 130.4
152 59.9 40.1 60.1

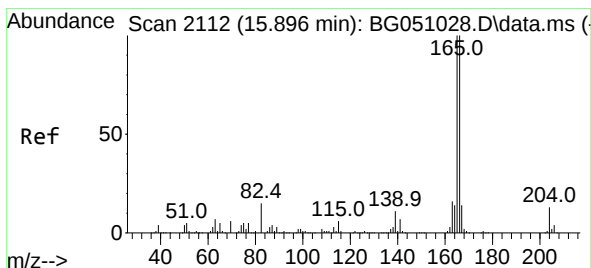
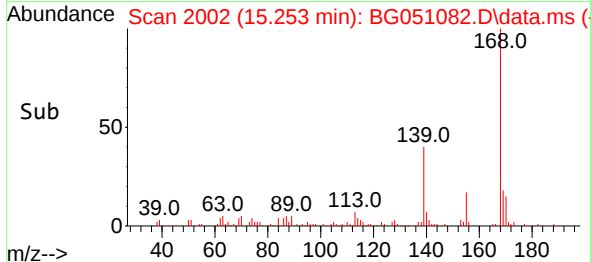
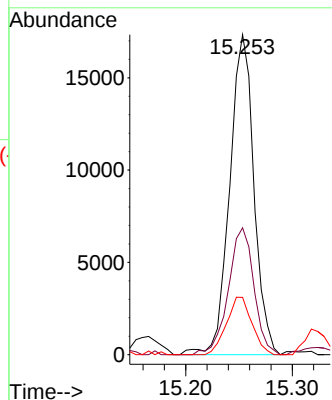
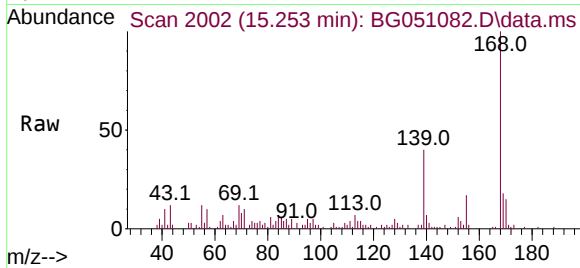




#55
Dibenzenofuran
Concen: 2.141 ng
RT: 15.253 min Scan# 2002
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

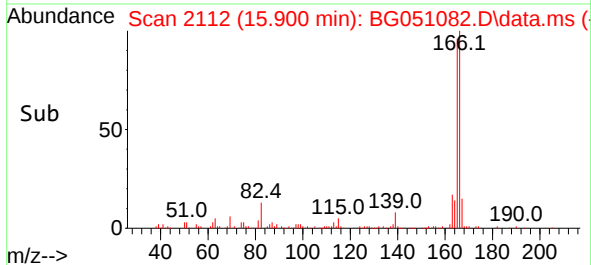
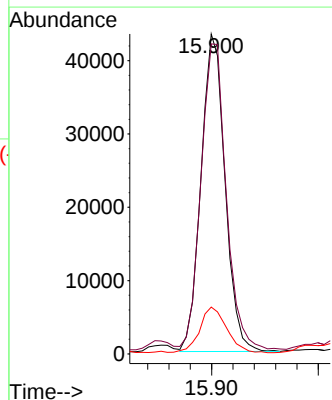
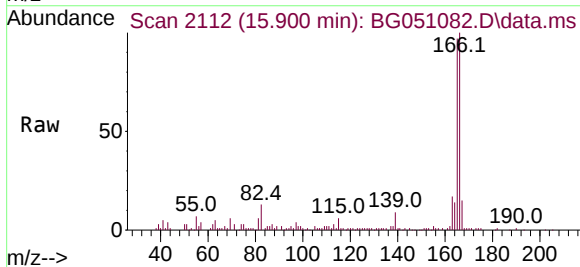
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

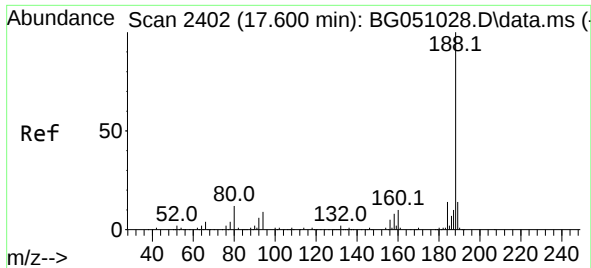
Tgt Ion:168 Resp: 27414
Ion Ratio Lower Upper
168 100
139 39.7 33.4 50.2
169 17.9 12.3 18.5



#58
Fluorene
Concen: 6.787 ng
RT: 15.900 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:166 Resp: 67847
Ion Ratio Lower Upper
166 100
165 96.9 77.7 116.5
167 14.6 10.8 16.2

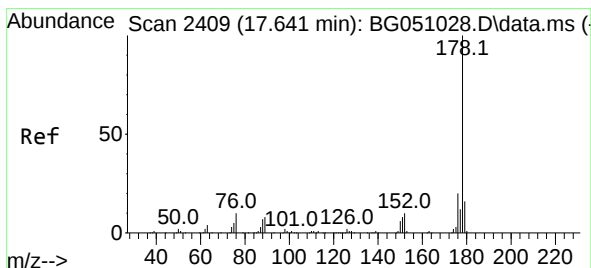
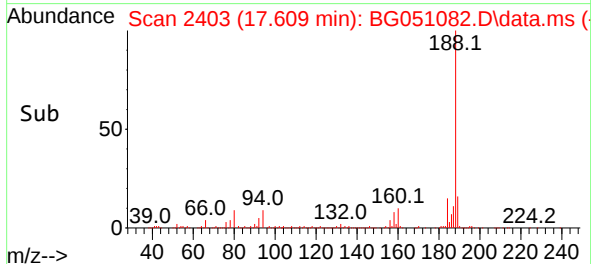
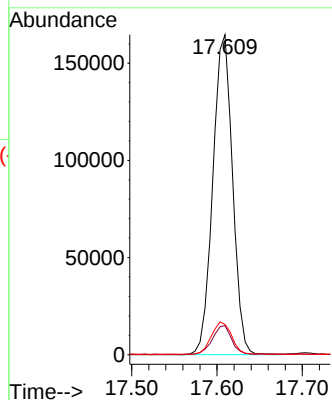
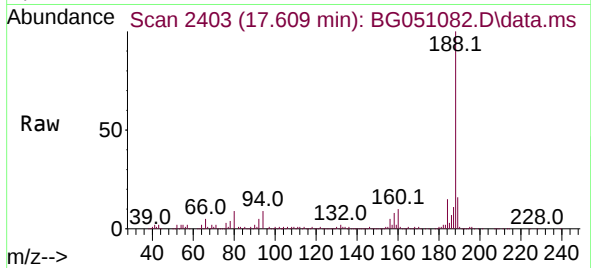




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.609 min Scan# 2410
Delta R.T. 0.009 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

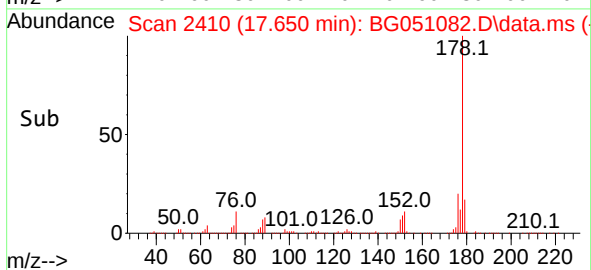
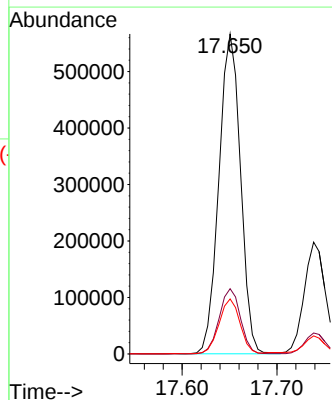
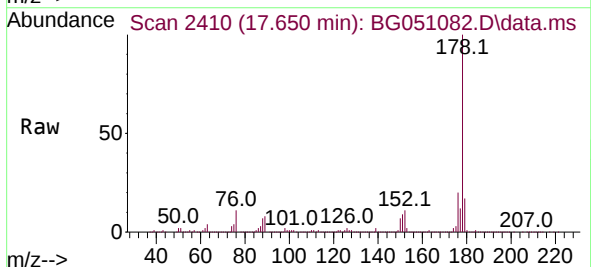
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

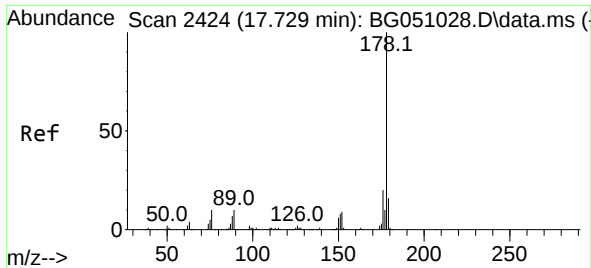
Tgt Ion:188 Resp: 263992
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 9.5 3.7 5.5#



#71
Phenanthrene
Concen: 63.789 ng
RT: 17.650 min Scan# 2410
Delta R.T. 0.009 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:178 Resp: 898250
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 17.2 14.2 21.4

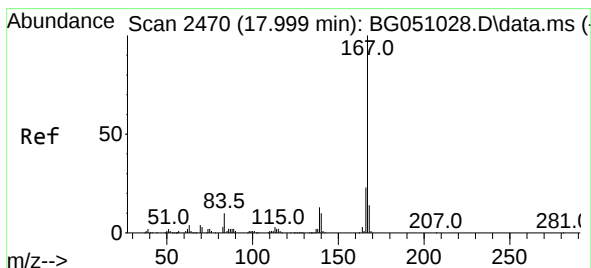
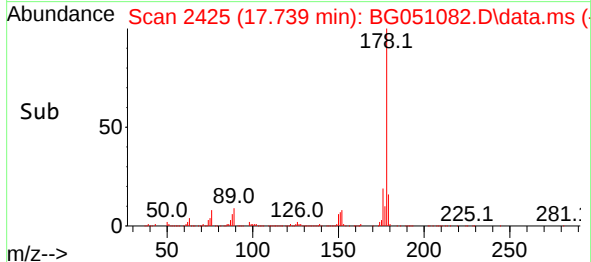
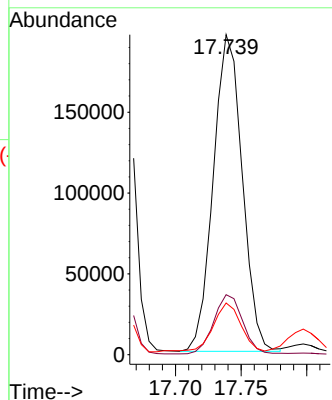
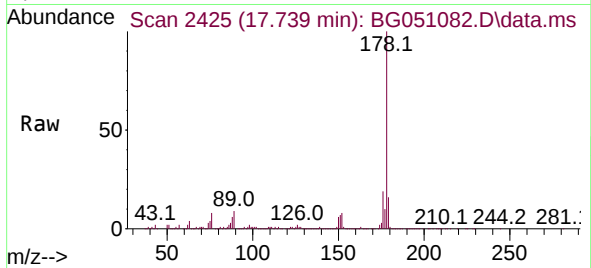




#72
 Anthracene
 Concen: 21.467 ng
 RT: 17.739 min Scan# 2424
 Delta R.T. 0.009 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

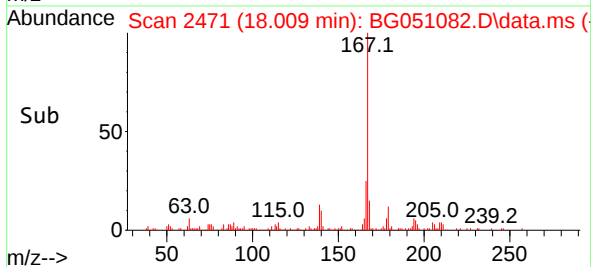
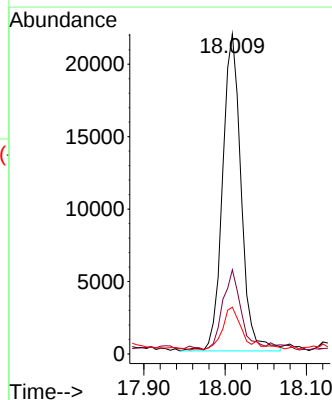
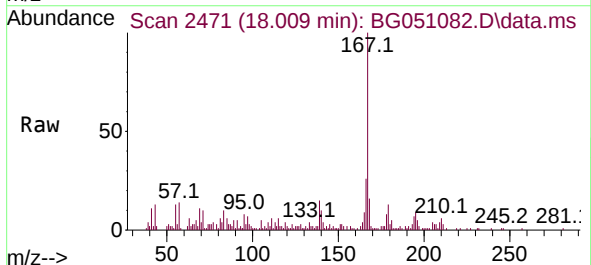
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021

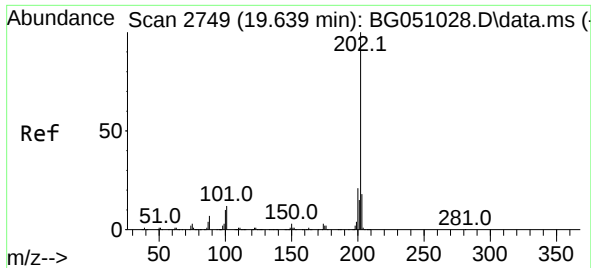
Tgt Ion:178 Resp: 300645
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 16.2 13.4 20.0



#73
 Carbazole
 Concen: 2.511 ng
 RT: 18.009 min Scan# 2471
 Delta R.T. 0.009 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

Tgt Ion:167 Resp: 34828
 Ion Ratio Lower Upper
 167 100
 166 26.3 17.4 26.2#
 139 14.6 10.7 16.1

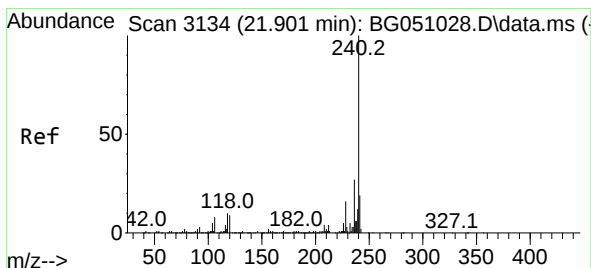
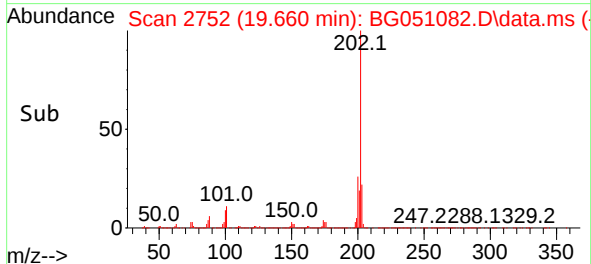
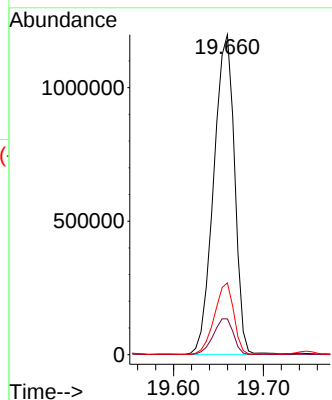
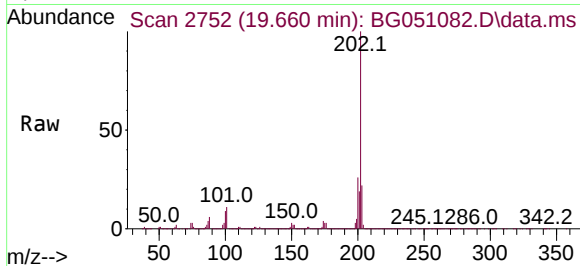




#75
Fluoranthene
Concen: 111.610 ng
RT: 19.660 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

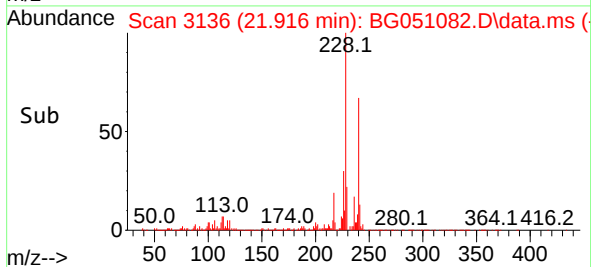
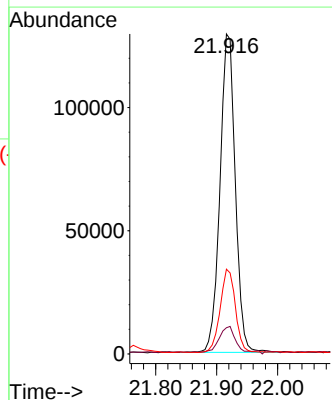
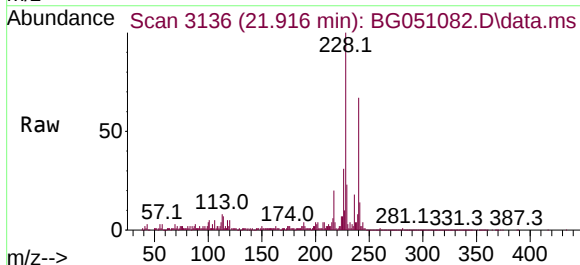
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

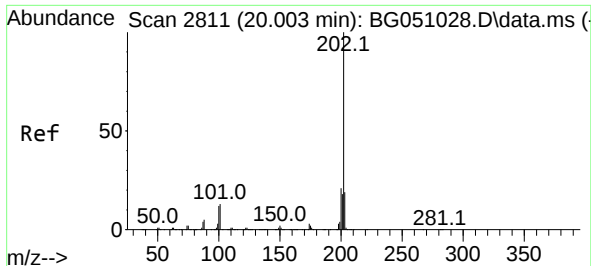
Tgt Ion:202 Resp: 1928157
Ion Ratio Lower Upper
202 100
101 11.2 0.0 24.7
203 22.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. 0.015 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:240 Resp: 225455
Ion Ratio Lower Upper
240 100
120 8.2 4.2 6.2#
236 26.5 21.8 32.6

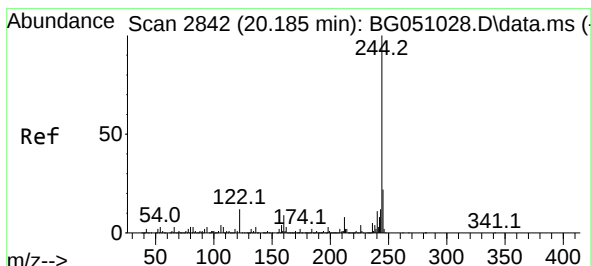
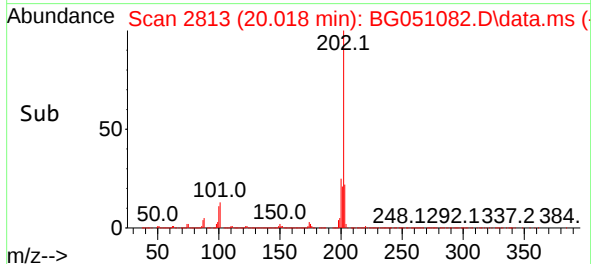
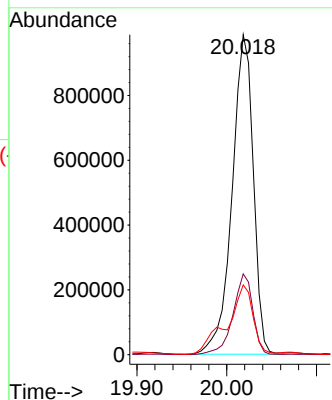
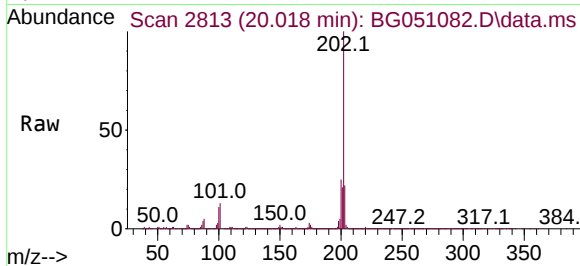




#78
 Pyrene
 Concen: 95.512 ng
 RT: 20.018 min Scan# 2811
 Delta R.T. 0.015 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

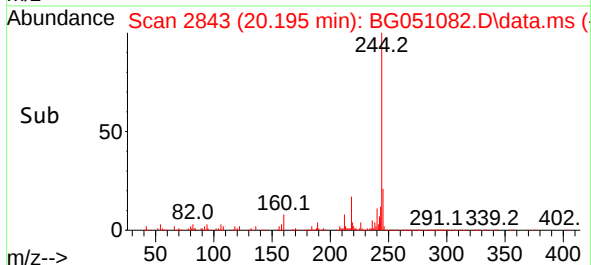
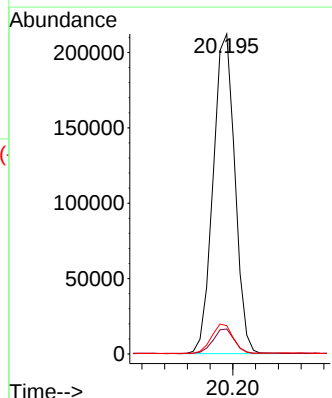
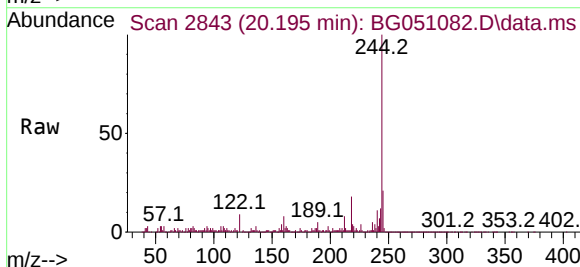
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021

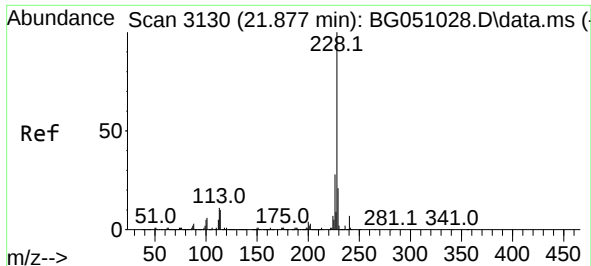
Tgt Ion:202 Resp: 1615450
 Ion Ratio Lower Upper
 202 100
 200 25.3 15.8 23.8#
 203 21.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 22.829 ng
 RT: 20.195 min Scan# 2843
 Delta R.T. 0.010 min
 Lab File: BG051082.D
 Acq: 17 Nov 2021 1:22

Tgt Ion:244 Resp: 281285
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 8.8 5.0 7.6#

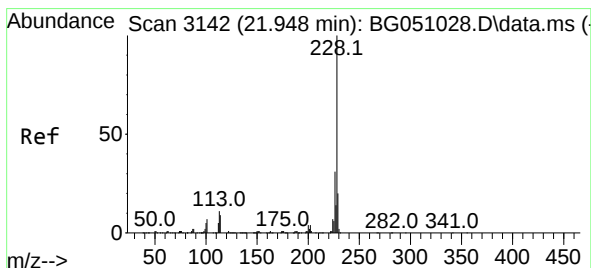
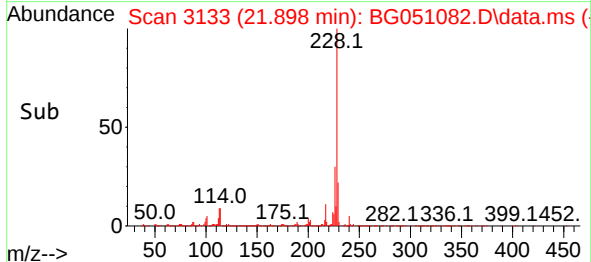
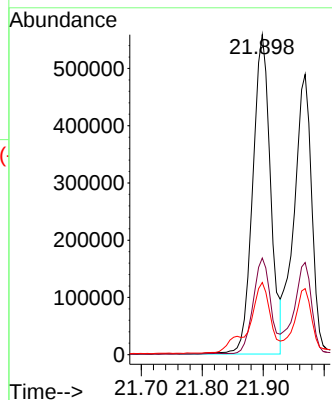
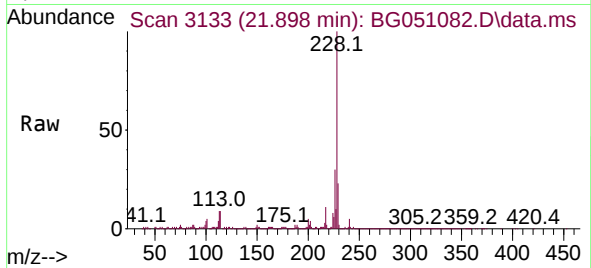




#81
Benzo(a)anthracene
Concen: 73.131 ng
RT: 21.898 min Scan# 3133
Delta R.T. 0.021 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

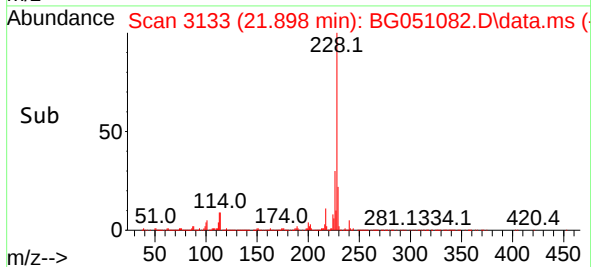
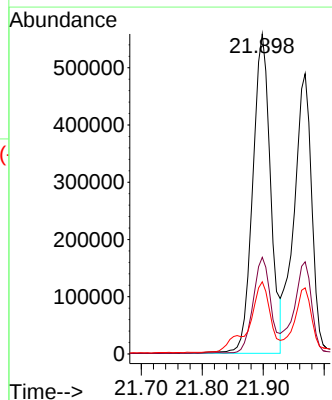
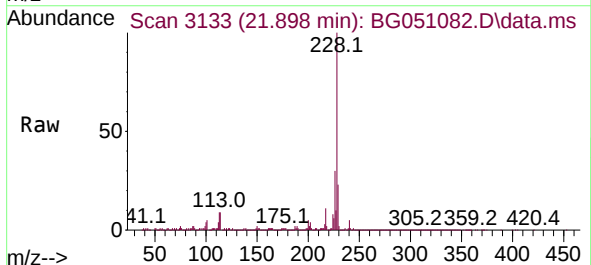
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

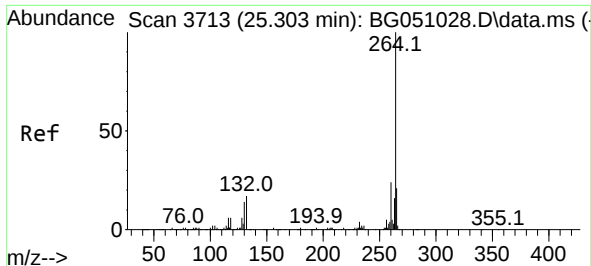
Tgt Ion:228 Resp: 1132124
Ion Ratio Lower Upper
228 100
226 30.2 22.7 34.1
229 22.5 16.0 24.0



#83
Chrysene
Concen: 77.523 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.049 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:228 Resp: 1132124
Ion Ratio Lower Upper
228 100
226 30.2 23.1 34.7
229 22.5 15.3 22.9

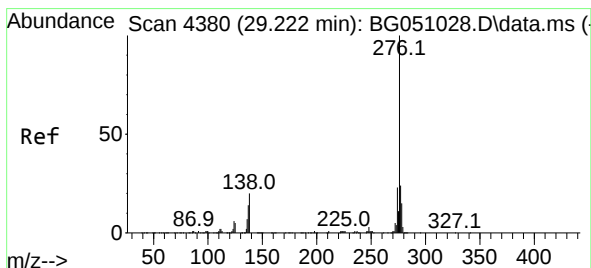
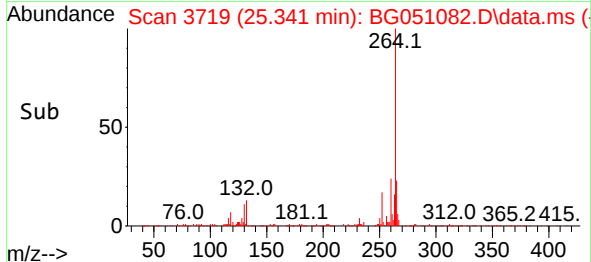
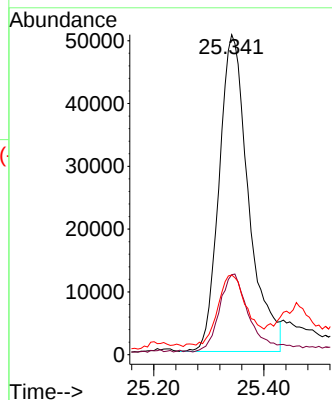
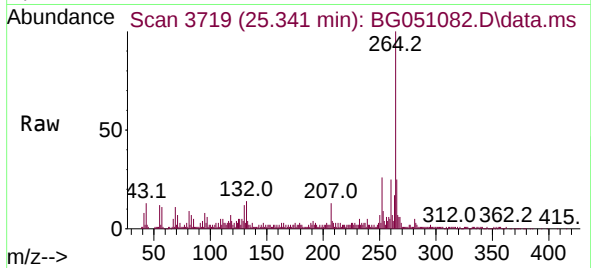




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.341 min Scan# 31
Delta R.T. 0.039 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

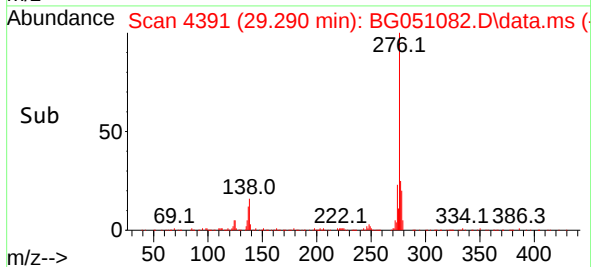
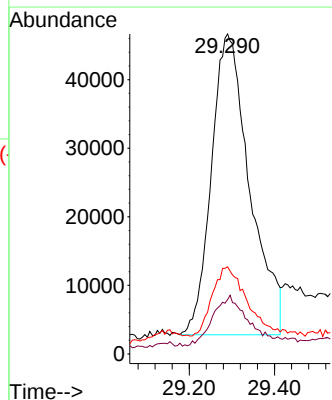
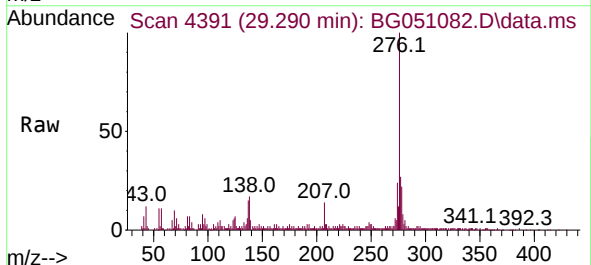
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

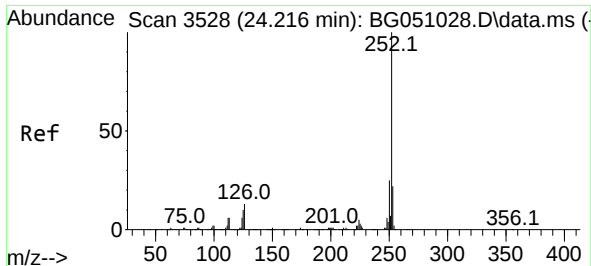
Tgt Ion:264 Resp: 187116
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 24.9 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 20.649 ng
RT: 29.290 min Scan# 4391
Delta R.T. 0.068 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:276 Resp: 274241
Ion Ratio Lower Upper
276 100
138 15.3 5.1 7.7#
277 21.0 19.8 29.6

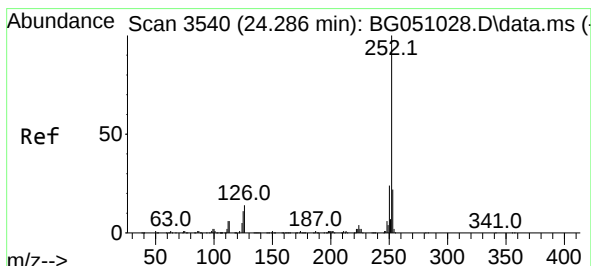
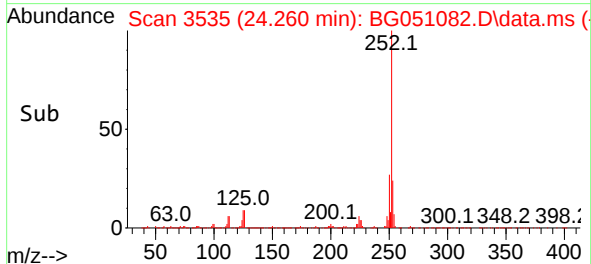
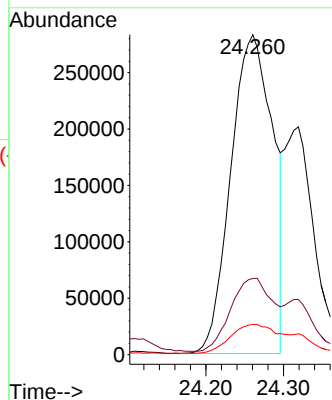
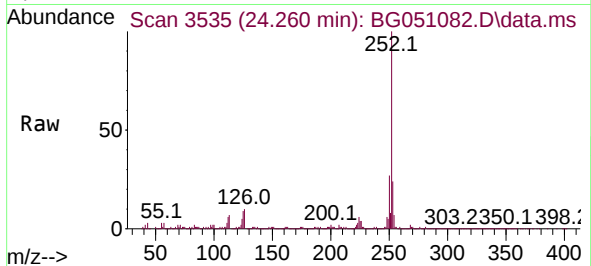




#88
Benzo(b)fluoranthene
Concen: 90.262 ng
RT: 24.260 min Scan# 3535
Delta R.T. 0.045 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

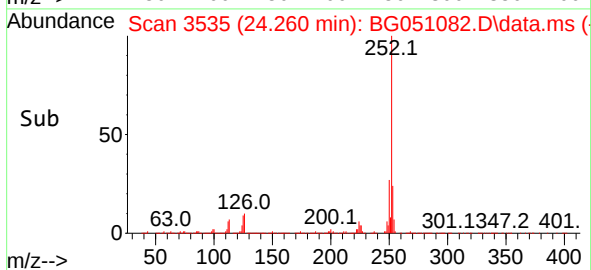
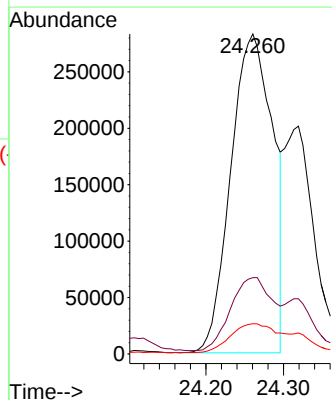
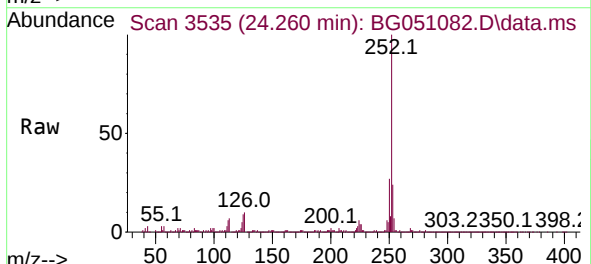
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

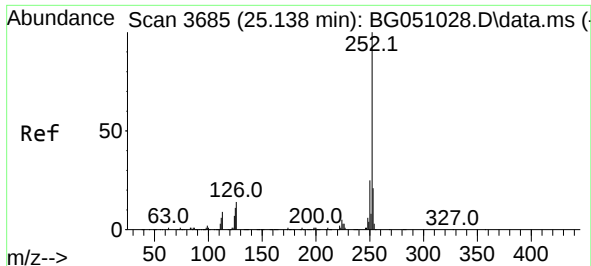
Tgt Ion:252 Resp: 1063125
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 9.4 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 90.501 ng
RT: 24.260 min Scan# 3535
Delta R.T. -0.026 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Tgt Ion:252 Resp: 1063125
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 9.4 3.1 4.7#

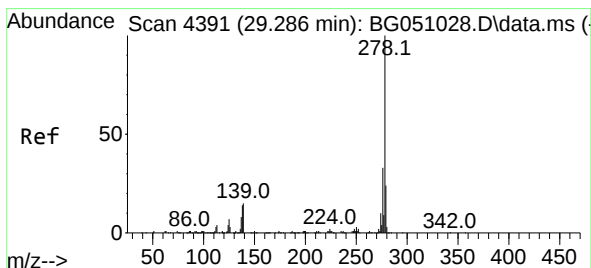
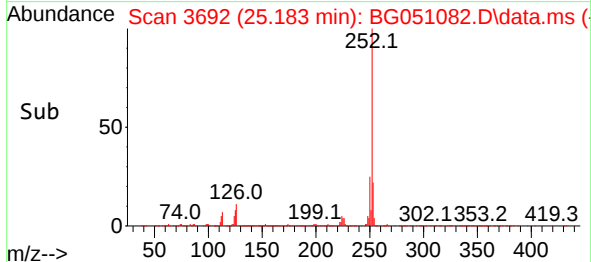
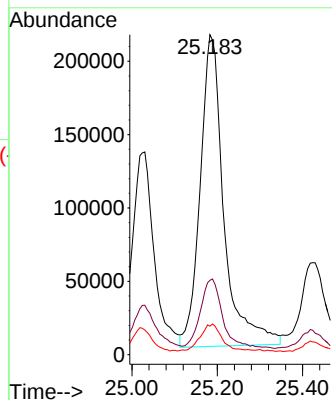
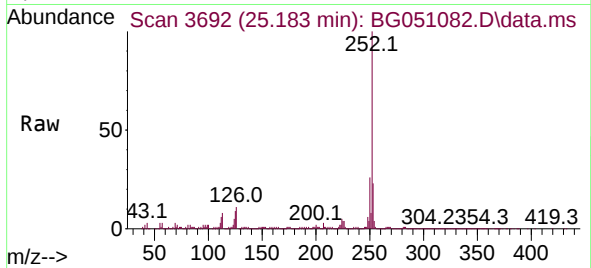




#90
Benzo(a)pyrene
Concen: 81.480 ng
RT: 25.183 min Scan# 3692
Delta R.T. 0.045 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

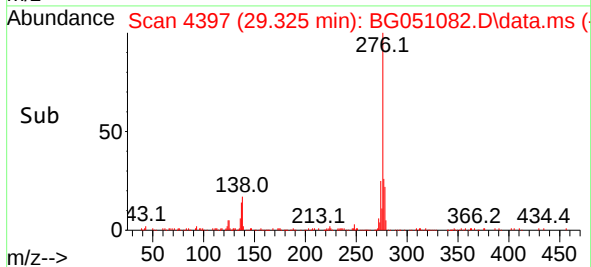
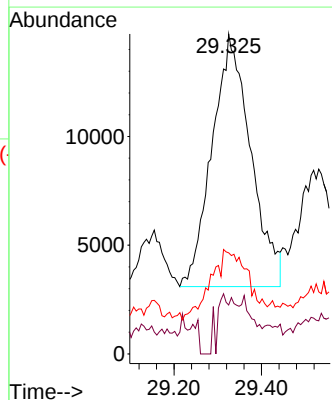
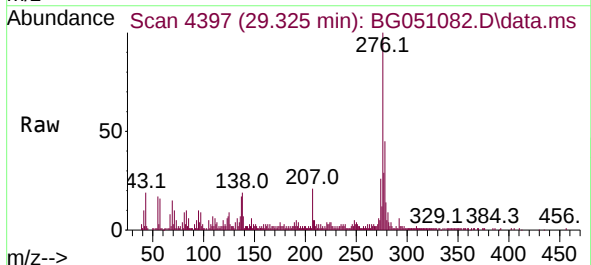
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

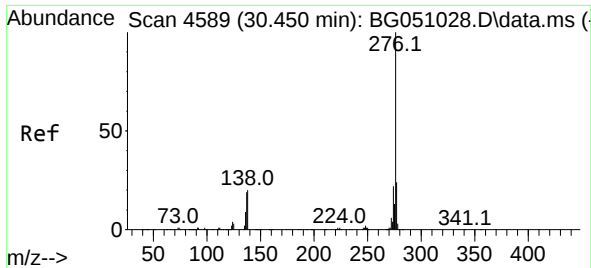
Tgt Ion:252 Resp: 819314
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 8.9 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 6.512 ng
RT: 29.325 min Scan# 4397
Delta R.T. 0.039 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

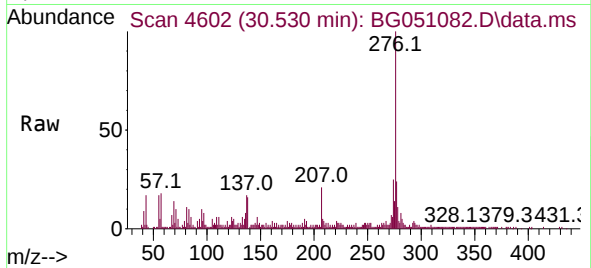
Tgt Ion:278 Resp: 71211
Ion Ratio Lower Upper
278 100
139 15.3 4.6 6.8#
279 31.6 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 21.721 ng
RT: 30.530 min Scan# 4
Delta R.T. 0.080 min
Lab File: BG051082.D
Acq: 17 Nov 2021 1:22

Instrument :
BNA_G
ClientSampleId :
SU-02-111021



Tgt Ion:276 Resp: 233738
Ion Ratio Lower Upper
276 100
277 23.9 18.4 27.6
138 15.7 7.0 10.6#

