

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054844.D
 Acq On : 2 Sep 2022 17:35
 Operator : CG/JU
 Sample : N4487-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H-1

Quant Time: Sep 03 00:29:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

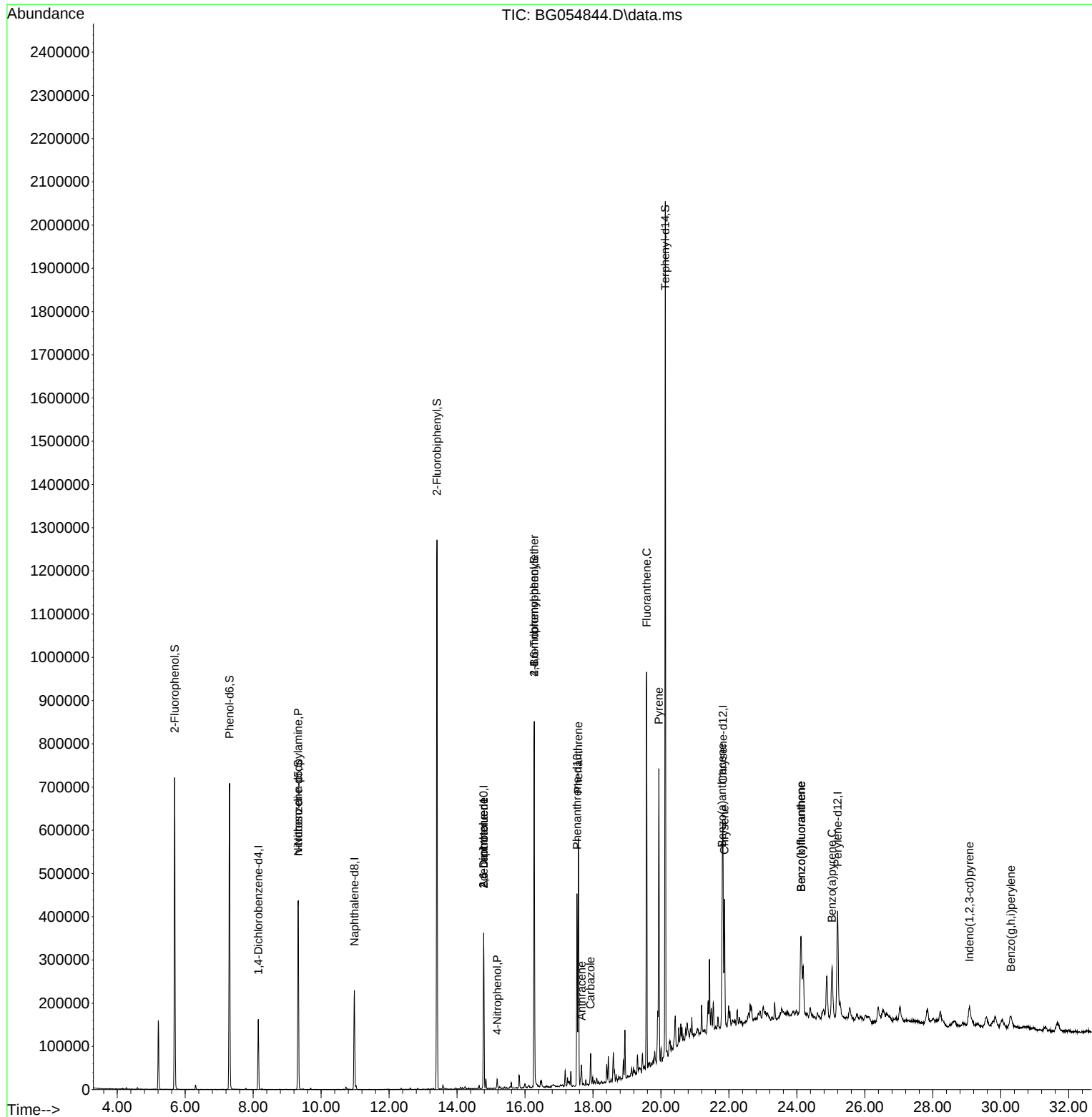
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.151	152	49242	20.000	ng	0.00
21) Naphthalene-d8	10.977	136	211626	20.000	ng	0.00
39) Acenaphthene-d10	14.784	164	136282	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	276480	20.000	ng	0.00
76) Chrysene-d12	21.823	240	251655	20.000	ng	0.00
86) Perylene-d12	25.195	264	266789	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.689	112	341144	120.640	ng	0.00
7) Phenol-d6	7.304	99	465125	120.273	ng	0.00
23) Nitrobenzene-d5	9.326	82	282765	70.143	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	188886	110.918	ng	0.00
45) 2-Fluorobiphenyl	13.409	172	707043	77.978	ng	0.00
79) Terphenyl-d14	20.125	244	993204	78.199	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.326	70	35567	13.374	ng	# 76
51) 2,6-Dinitrotoluene	14.784	165	17868	8.320	ng	# 20
56) 4-Nitrophenol	15.178	139	5184	2.787	ng	# 6
57) 2,4-Dinitrotoluene	14.784	165	17868	6.015	ng	# 18
67) 4-Bromophenyl-phenylether	16.270	248	12072	3.977	ng	# 1
71) Phenanthrene	17.569	178	374988	25.460	ng	99
72) Anthracene	17.663	178	33646	2.350	ng	98
73) Carbazole	17.927	167	52397	3.972	ng	99
75) Fluoranthene	19.578	202	588766	32.861	ng	98
78) Pyrene	19.937	202	443860	25.294	ng	99
81) Benzo(a)anthracene	21.799	228	174759	10.242	ng	99
83) Chrysene	21.870	228	220255	13.501	ng	98
87) Indeno(1,2,3-cd)pyrene	29.079	276	92118	4.548	ng	92
88) Benzo(b)fluoranthene	24.120	252	251435	15.024	ng	98
89) Benzo(k)fluoranthene	24.120	252	251435	14.928	ng	98
90) Benzo(a)pyrene	25.031	252	146433	10.241	ng	99
92) Benzo(g,h,i)perylene	30.301	276	85420	5.124	ng	97

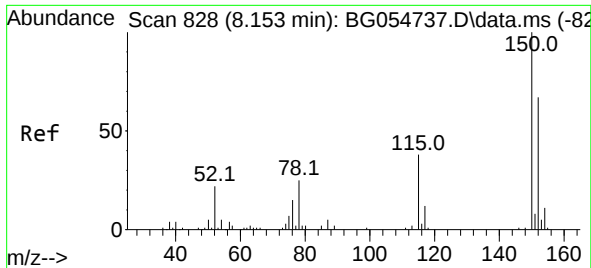
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054844.D
Acq On : 2 Sep 2022 17:35
Operator : CG/JU
Sample : N4487-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
H-1

Quant Time: Sep 03 00:29:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
Response via : Initial Calibration

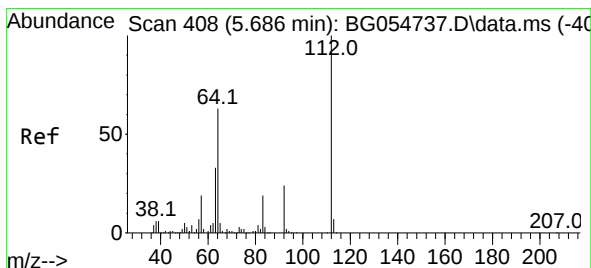
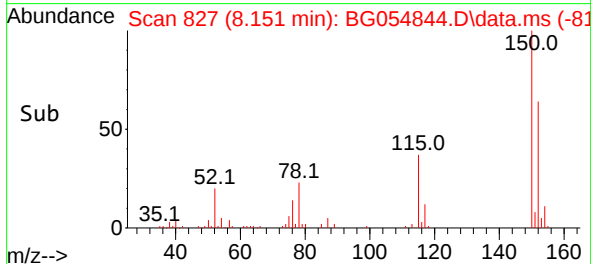
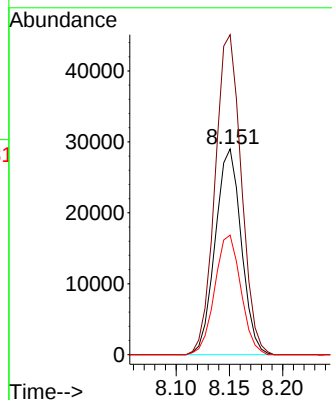
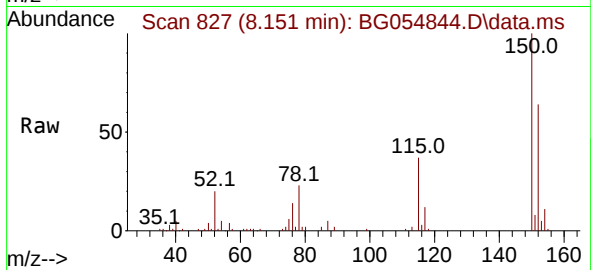




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

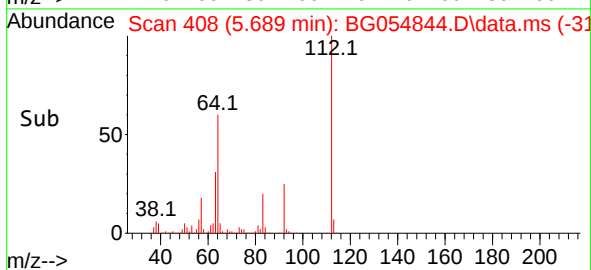
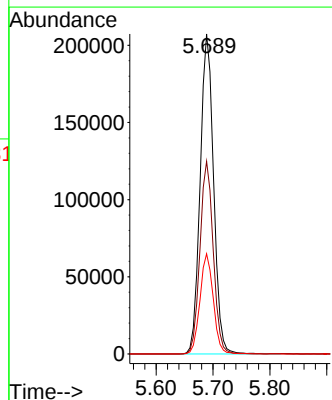
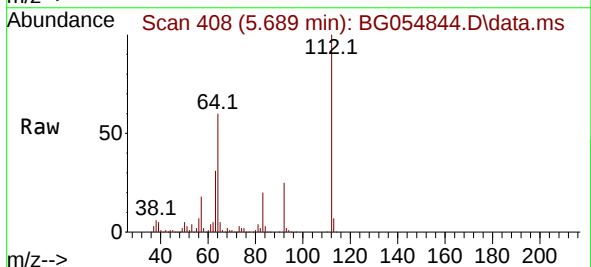
Instrument :
BNA_G
ClientSampleId :
H-1

Tgt Ion:152 Resp: 49242
Ion Ratio Lower Upper
152 100
150 155.6 125.2 187.8
115 58.1 47.9 71.9



#5
2-Fluorophenol
Concen: 120.640 ng
RT: 5.689 min Scan# 408
Delta R.T. 0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:112 Resp: 341144
Ion Ratio Lower Upper
112 100
64 60.2 49.3 73.9
63 31.3 26.3 39.5

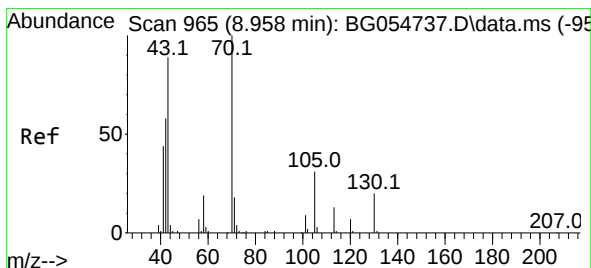
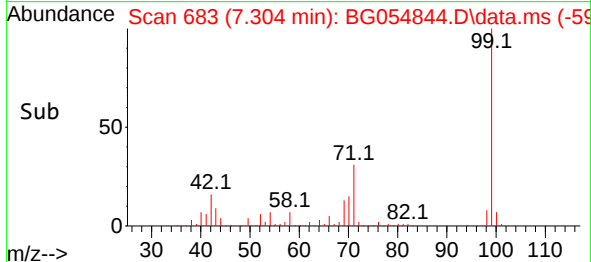
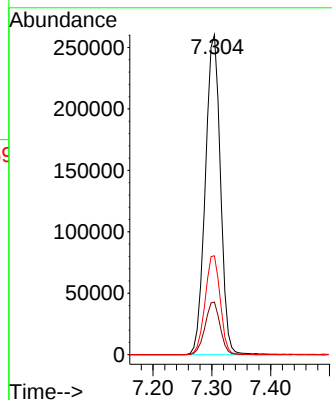
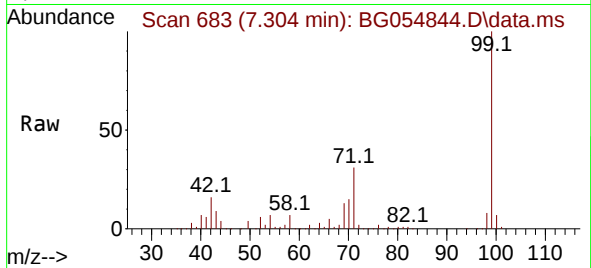




#7
Phenol-d6
Concen: 120.273 ng
RT: 7.304 min Scan# 61
Delta R.T. 0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

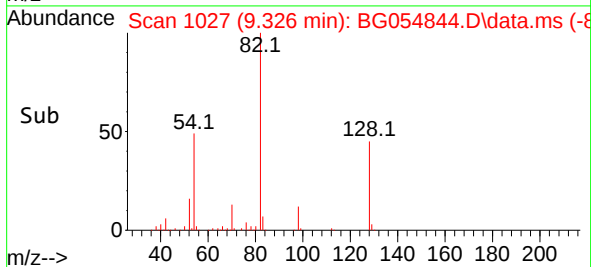
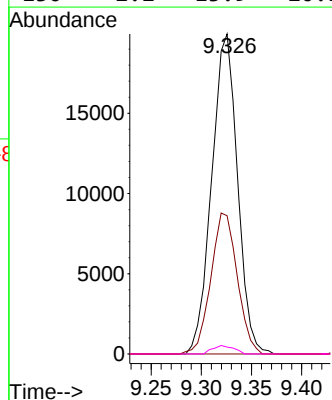
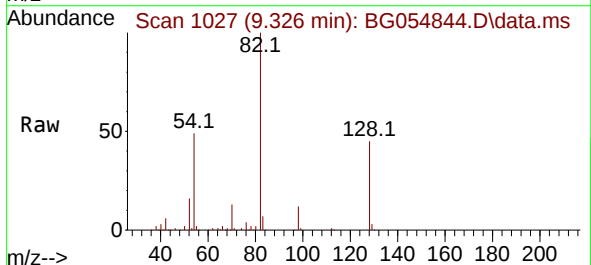
Instrument :
BNA_G
ClientSampleId :
H-1

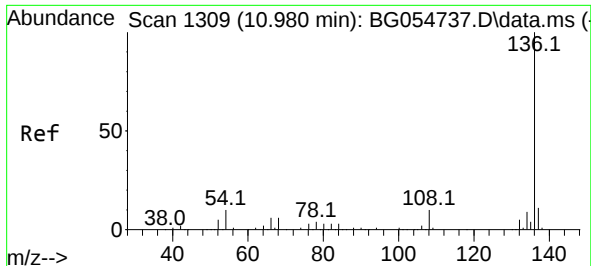
Tgt Ion: 99 Resp: 465125
Ion Ratio Lower Upper
99 100
42 16.5 14.6 22.0
71 30.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.374 ng
RT: 9.326 min Scan# 1027
Delta R.T. 0.367 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion: 70 Resp: 35567
Ion Ratio Lower Upper
70 100
42 43.2 46.6 69.8#
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#

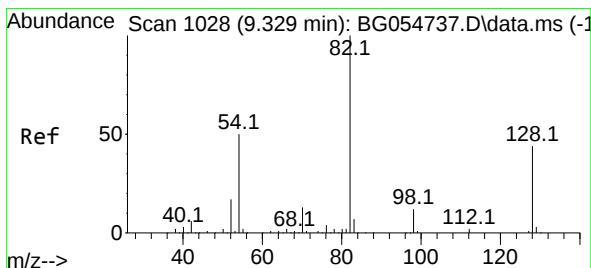
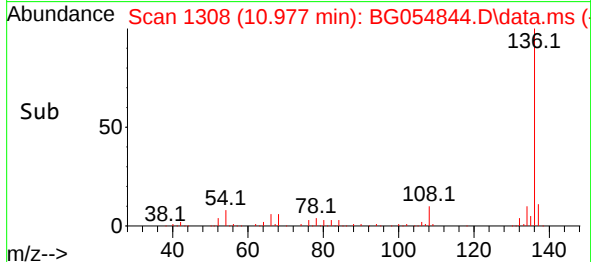
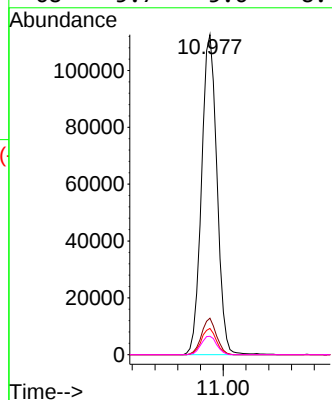
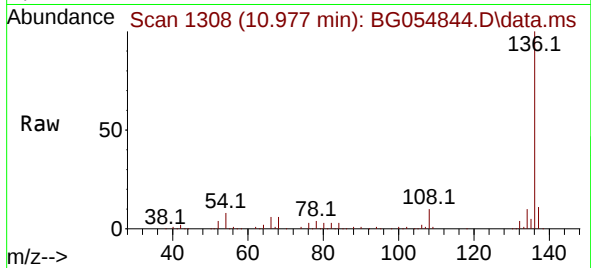




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.977 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

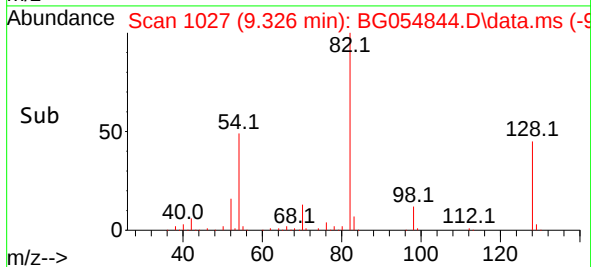
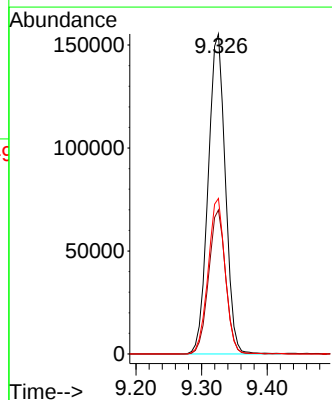
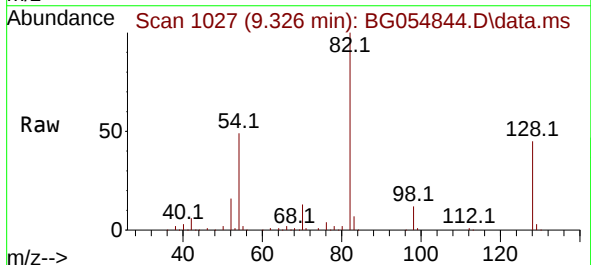
Instrument :
BNA_G
ClientSampleId :
H-1

Tgt Ion:	136	Resp:	211626
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	8.2	7.7	11.5
68	5.7	5.6	8.4



#23
Nitrobenzene-d5
Concen: 70.143 ng
RT: 9.326 min Scan# 1027
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:	82	Resp:	282765
Ion Ratio	Lower	Upper	
82	100		
128	45.0	32.2	48.2
54	48.6	41.4	62.0

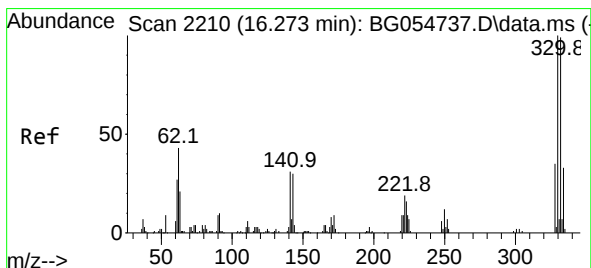
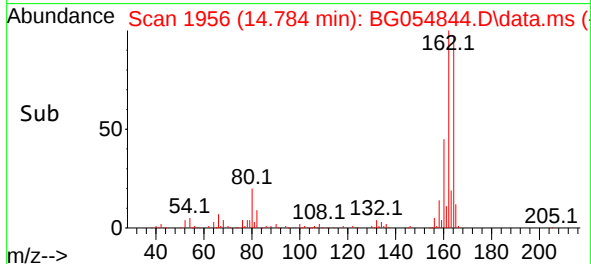
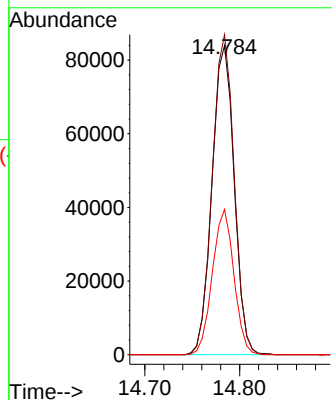
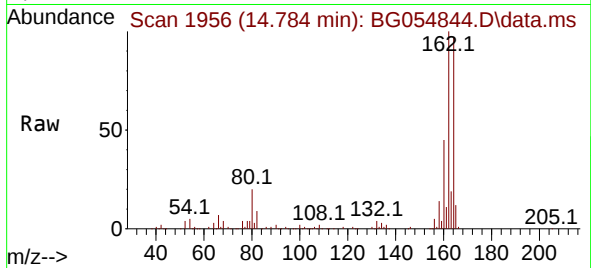




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.784 min Scan# 1957
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

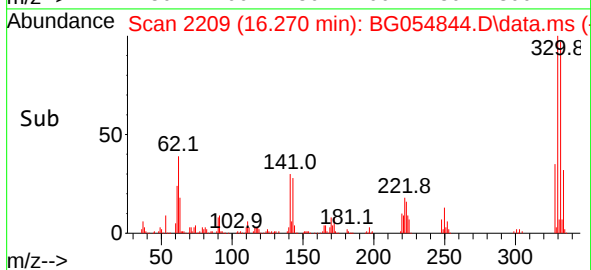
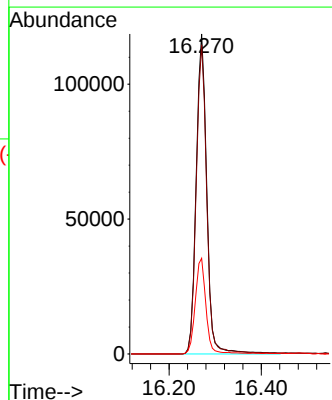
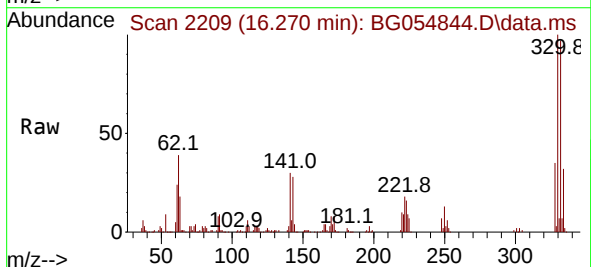
Instrument :
BNA_G
ClientSampleId :
H-1

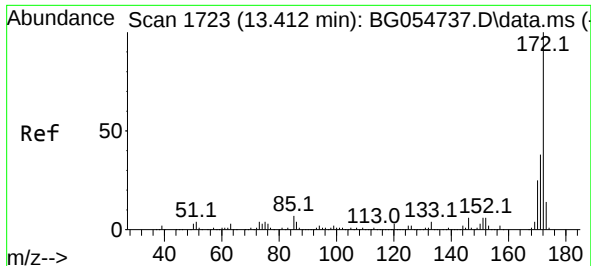
Tgt Ion:164 Resp: 136282
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.4
160 47.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 110.918 ng
RT: 16.270 min Scan# 2209
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:330 Resp: 188886
Ion Ratio Lower Upper
330 100
332 95.5 79.8 119.6
141 30.3 26.8 40.2

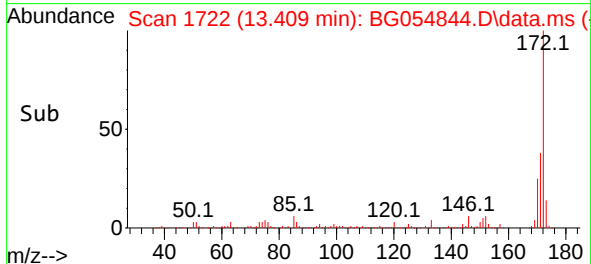
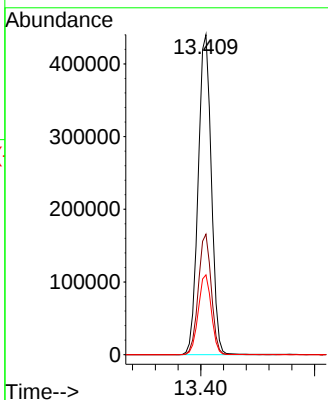
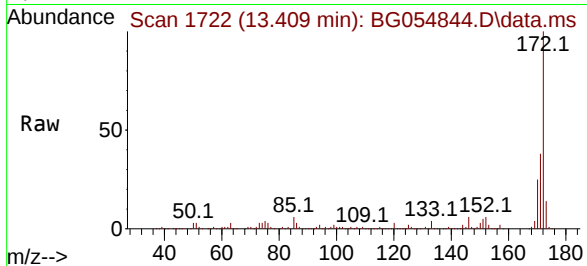




#45
2-Fluorobiphenyl
Concen: 77.978 ng
RT: 13.409 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

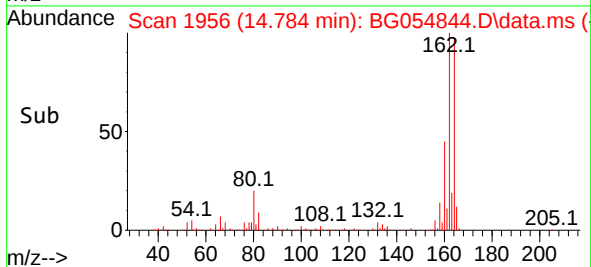
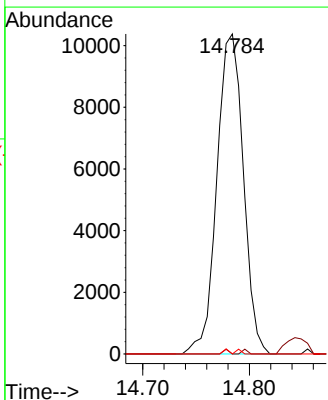
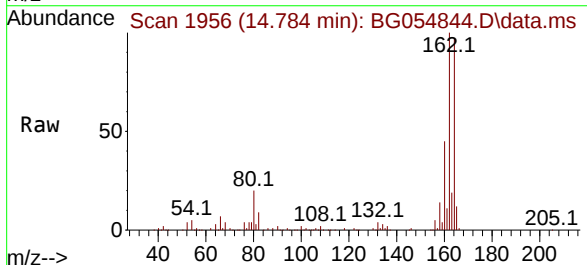
Instrument :
BNA_G
ClientSampleId :
H-1

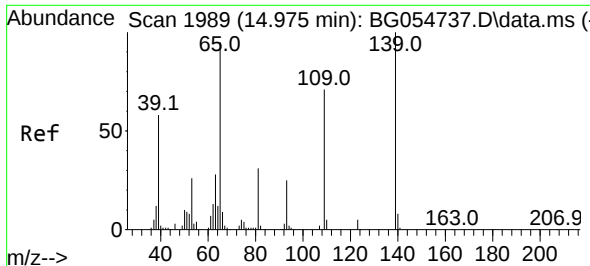
Tgt Ion:172 Resp: 707043
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 24.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.320 ng
RT: 14.784 min Scan# 1956
Delta R.T. 0.426 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:165 Resp: 17868
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

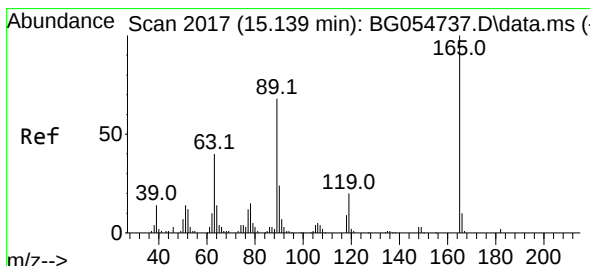
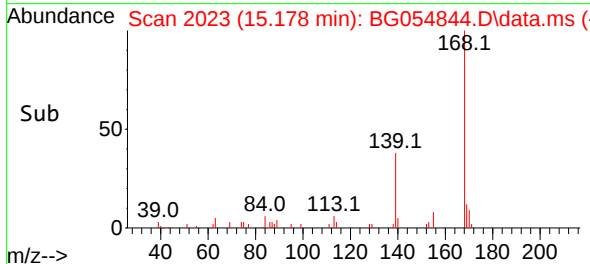
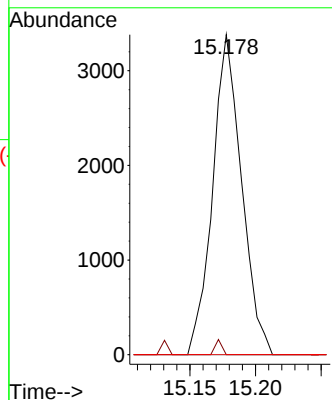
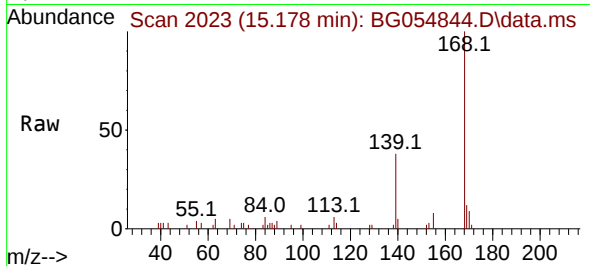




#56
4-Nitrophenol
Concen: 2.787 ng
RT: 15.178 min Scan# 20
Delta R.T. 0.203 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

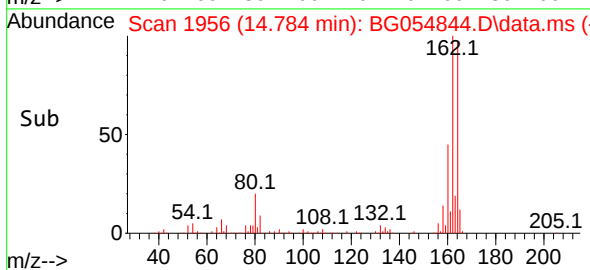
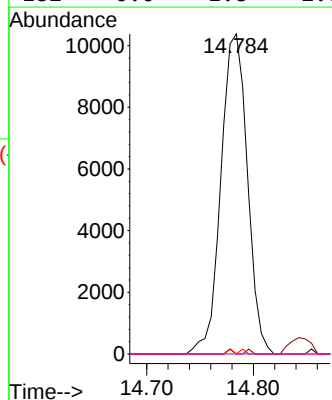
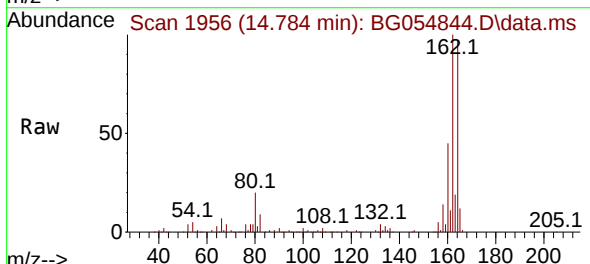
Instrument :
BNA_G
ClientSampleId :
H-1

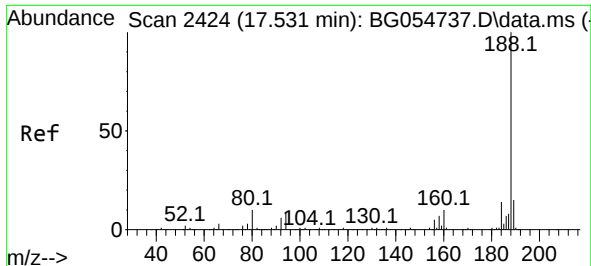
Tgt Ion:139 Resp: 5184
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 79.9 119.9#



#57
2,4-Dinitrotoluene
Concen: 6.015 ng
RT: 14.784 min Scan# 1956
Delta R.T. -0.355 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:165 Resp: 17868
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#

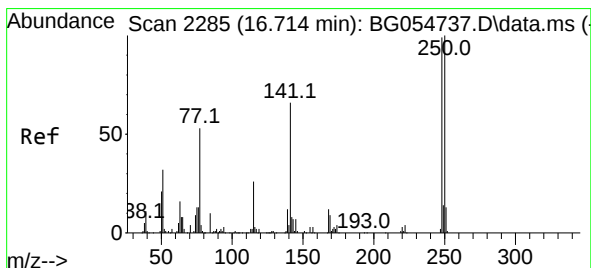
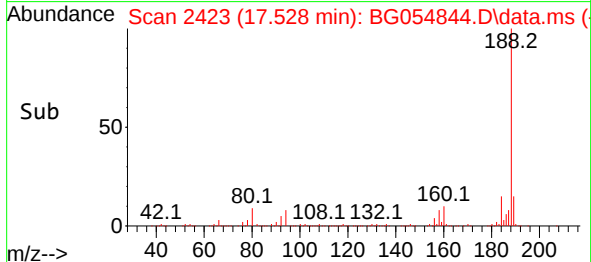
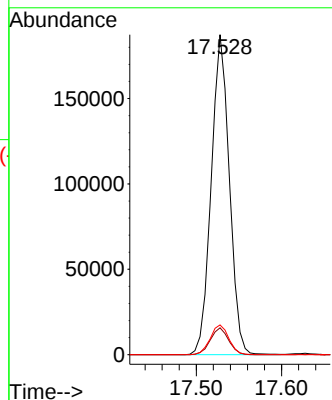
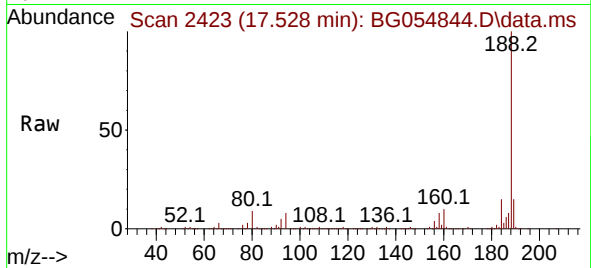




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

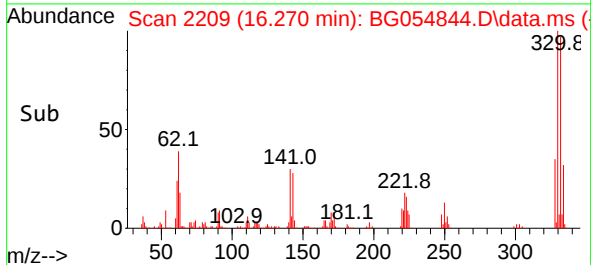
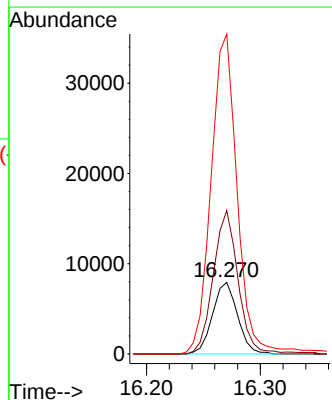
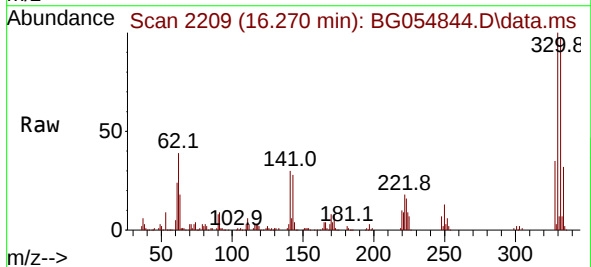
Instrument :
BNA_G
ClientSampleId :
H-1

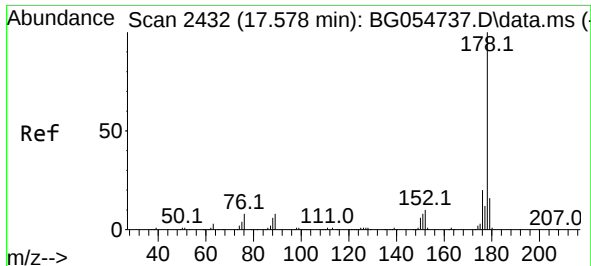
Tgt Ion:188 Resp: 276480
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.977 ng
RT: 16.270 min Scan# 2209
Delta R.T. -0.444 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:248 Resp: 12072
Ion Ratio Lower Upper
248 100
250 200.4 78.8 118.2#
141 447.1 51.9 77.9#

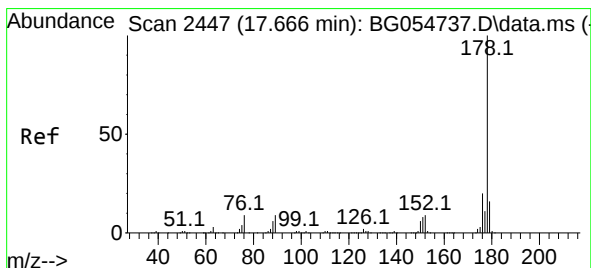
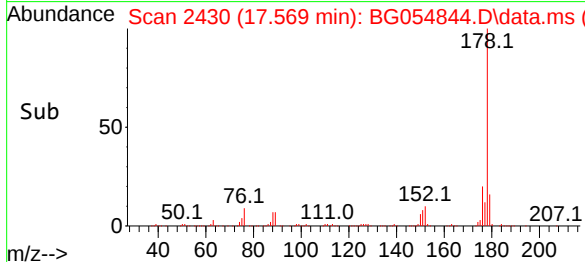
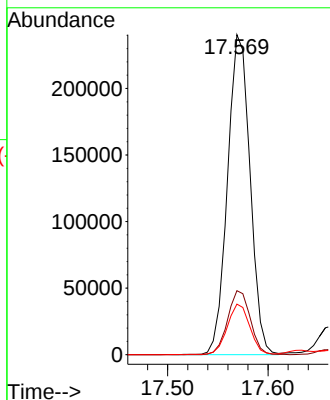
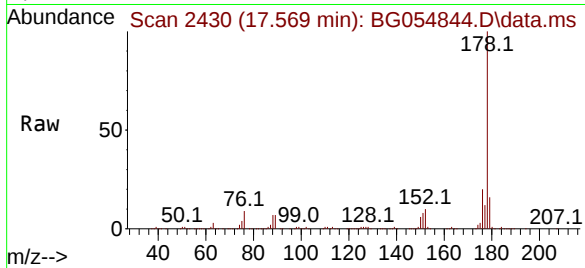




#71
Phenanthrene
Concen: 25.460 ng
RT: 17.569 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

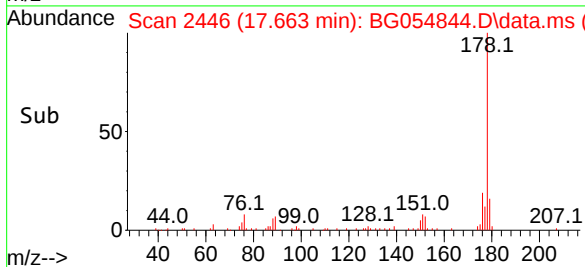
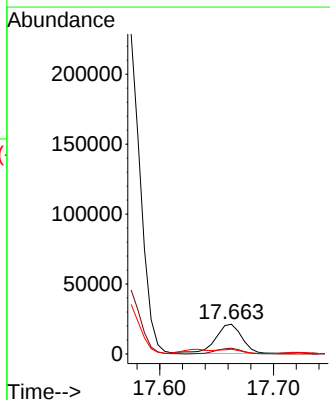
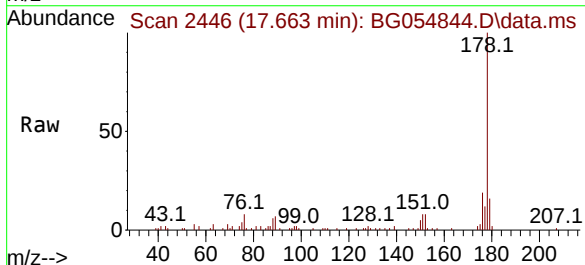
Instrument :
BNA_G
ClientSampleId :
H-1

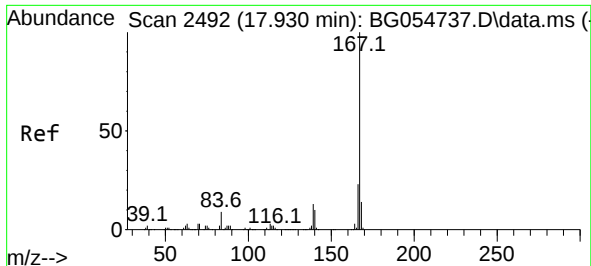
Tgt Ion:178 Resp: 374988
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.8 12.8 19.2



#72
Anthracene
Concen: 2.350 ng
RT: 17.663 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:178 Resp: 33646
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.7 12.9 19.3

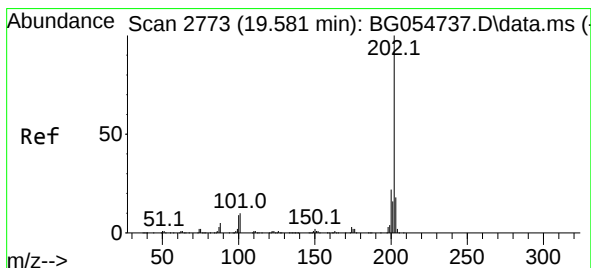
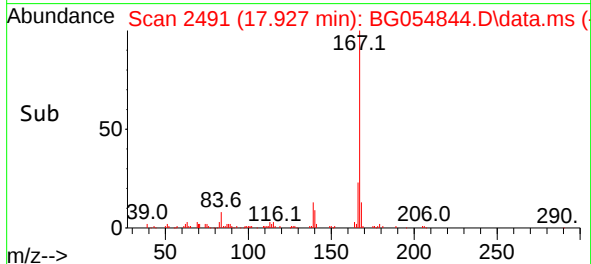
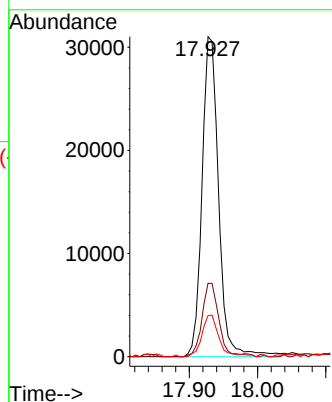
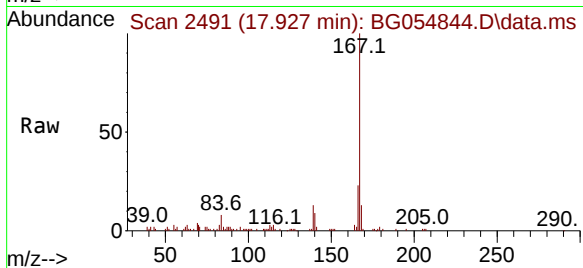




#73
 Carbazole
 Concen: 3.972 ng
 RT: 17.927 min Scan# 2491
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

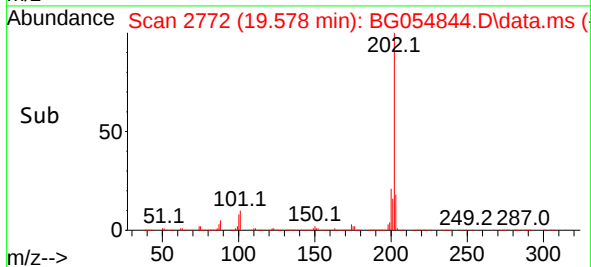
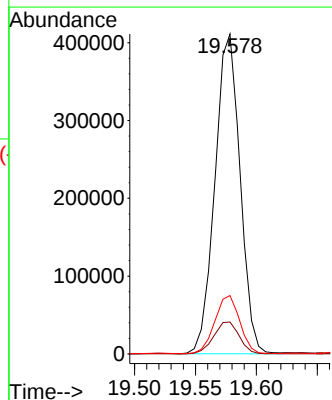
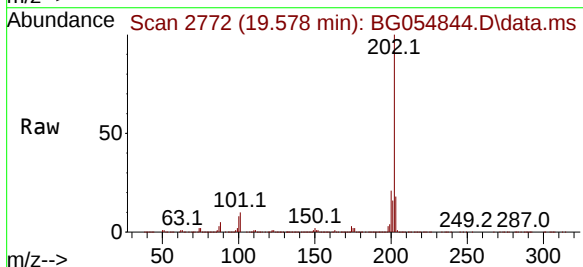
Instrument :
 BNA_G
 ClientSampleId :
 H-1

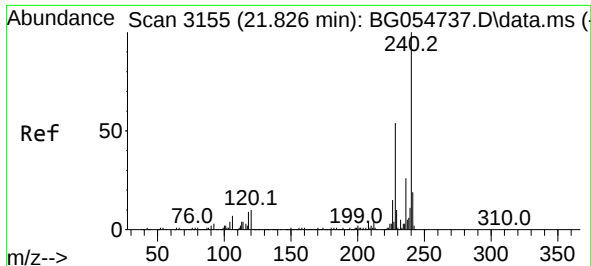
Tgt Ion:167 Resp: 52397
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.8 28.2
 139 12.9 10.2 15.4



#75
 Fluoranthene
 Concen: 32.861 ng
 RT: 19.578 min Scan# 2772
 Delta R.T. -0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

Tgt Ion:202 Resp: 588766
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.4
 203 18.3 0.0 38.6

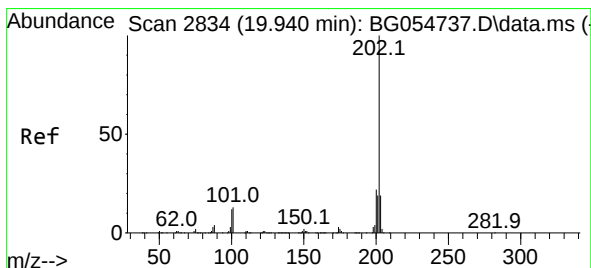
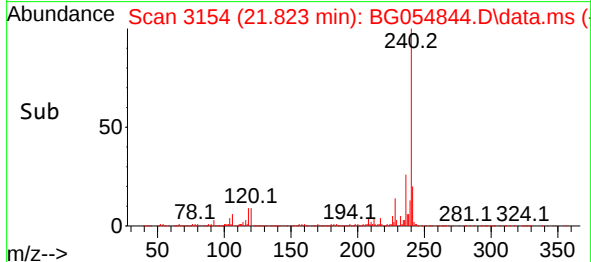
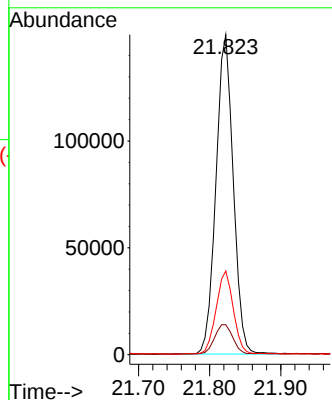
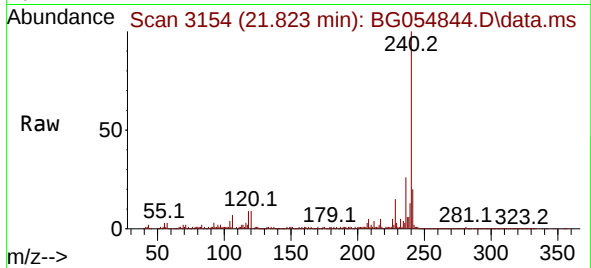




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.823 min Scan# 3155
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

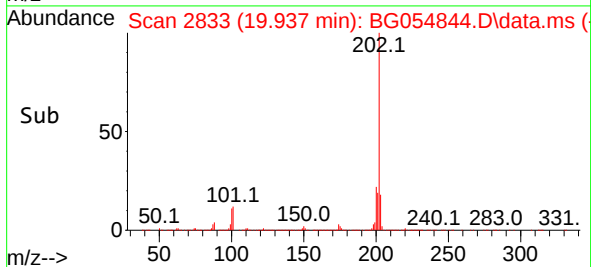
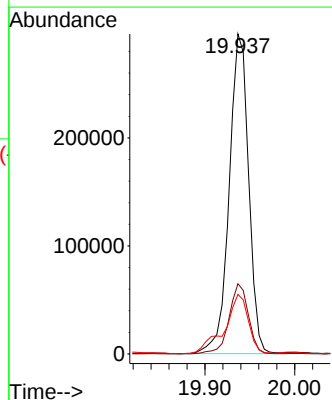
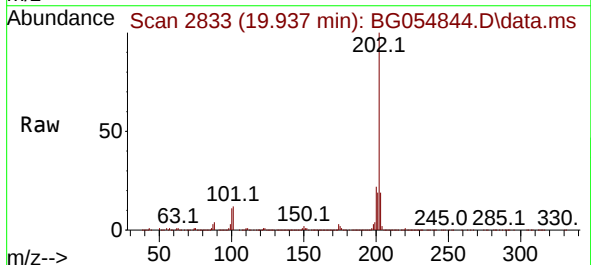
Instrument :
BNA_G
ClientSampleId :
H-1

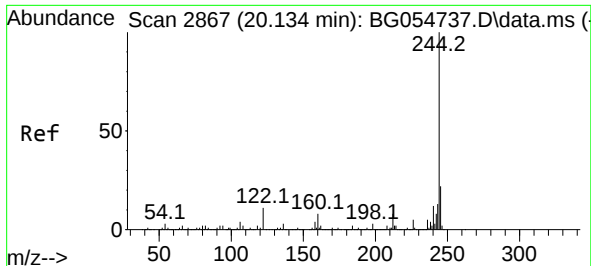
Tgt Ion:240 Resp: 251655
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.4
236 26.1 21.2 31.8



#78
Pyrene
Concen: 25.294 ng
RT: 19.937 min Scan# 2833
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:202 Resp: 443860
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 18.6 14.6 21.8

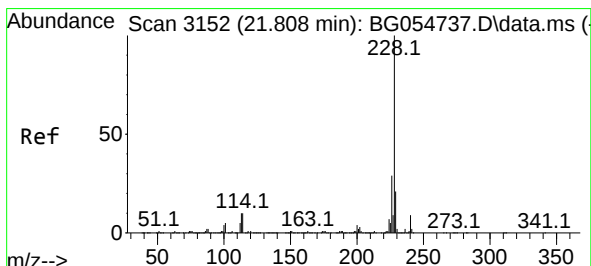
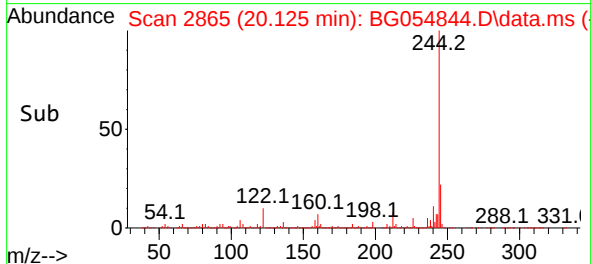
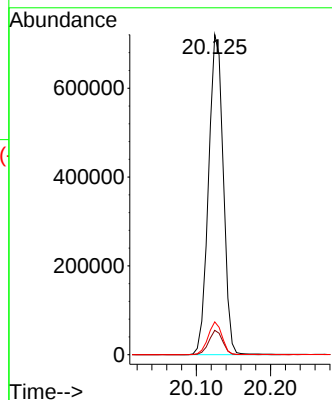
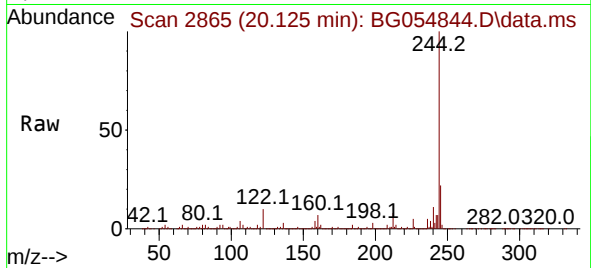




#79
 Terphenyl-d14
 Concen: 78.199 ng
 RT: 20.125 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

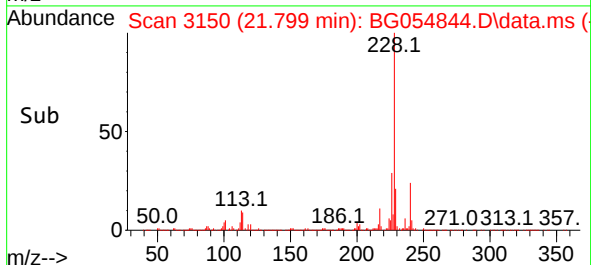
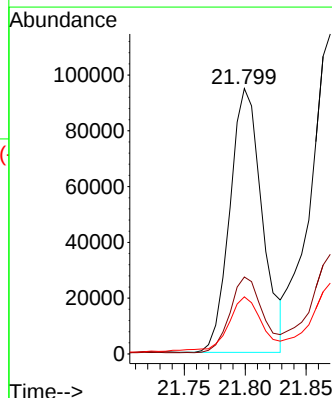
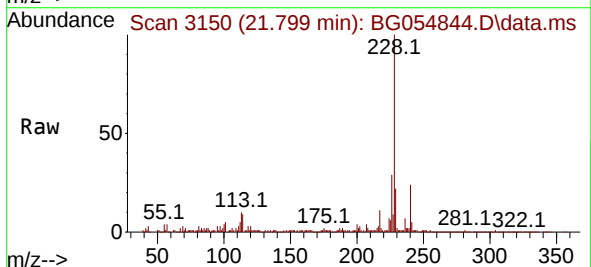
Instrument :
 BNA_G
 ClientSampleId :
 H-1

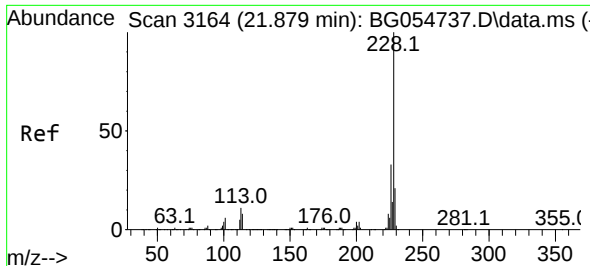
Tgt Ion:244 Resp: 993204
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.3 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 10.242 ng
 RT: 21.799 min Scan# 3150
 Delta R.T. -0.009 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

Tgt Ion:228 Resp: 174759
 Ion Ratio Lower Upper
 228 100
 226 29.0 23.4 35.2
 229 21.5 16.5 24.7

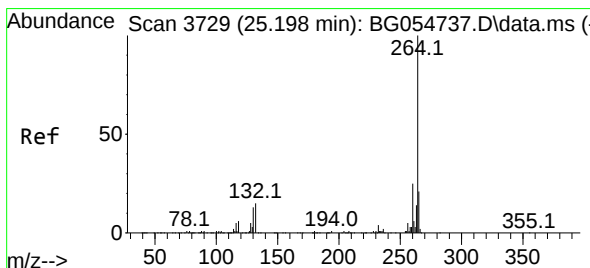
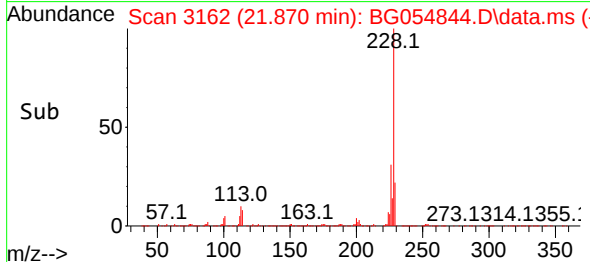
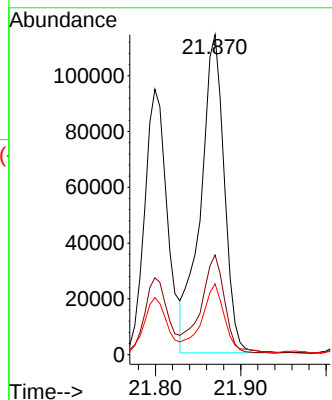
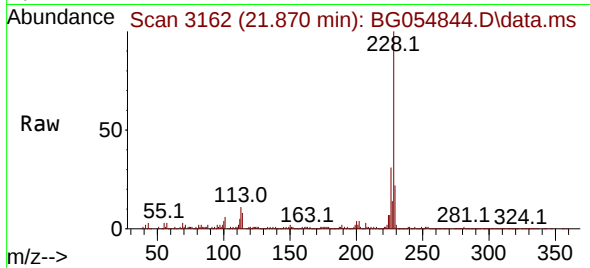




#83
Chrysene
Concen: 13.501 ng
RT: 21.870 min Scan# 3164
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

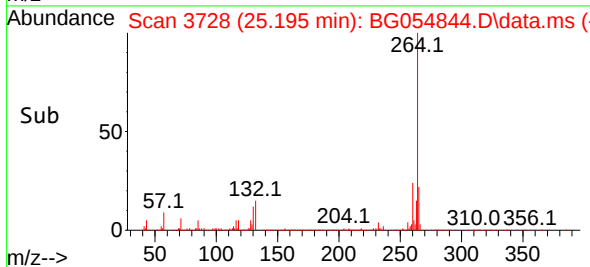
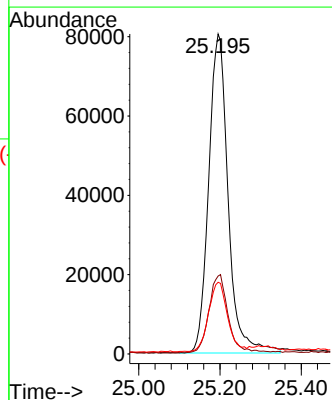
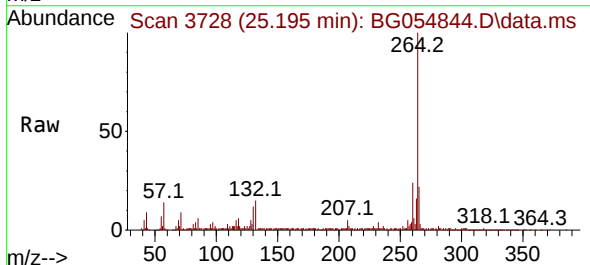
Instrument :
BNA_G
ClientSampleId :
H-1

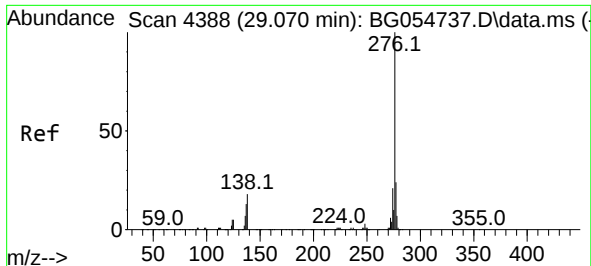
Tgt Ion:228 Resp: 220255
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 22.2 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 3728
Delta R.T. -0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:264 Resp: 266789
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 22.4 16.9 25.3

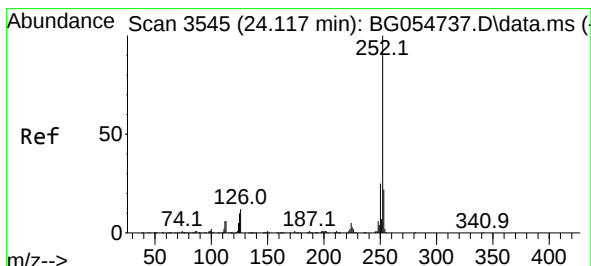
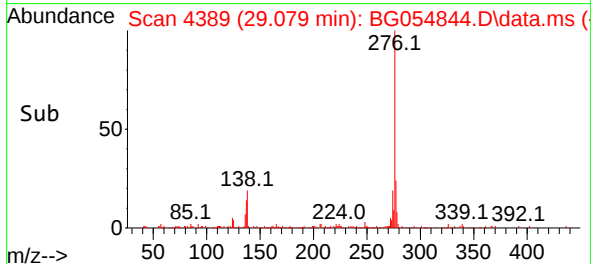
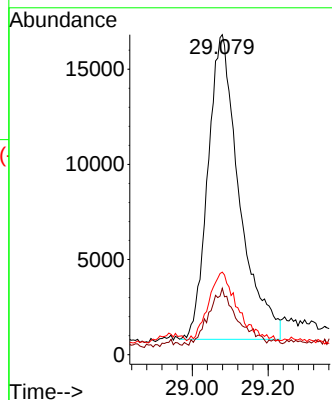
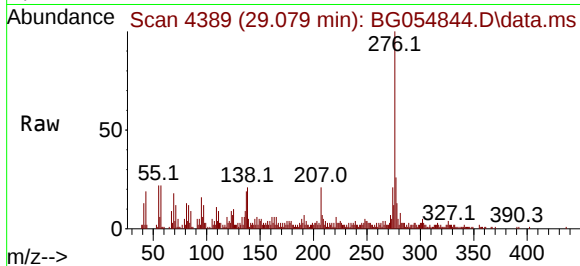




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.548 ng
RT: 29.079 min Scan# 4388
Delta R.T. 0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

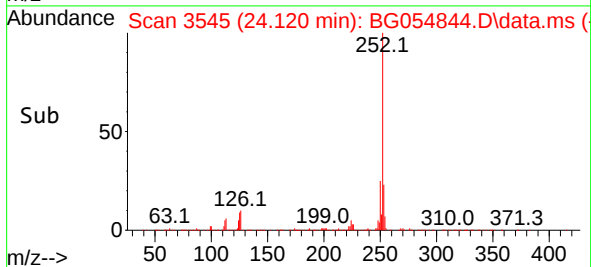
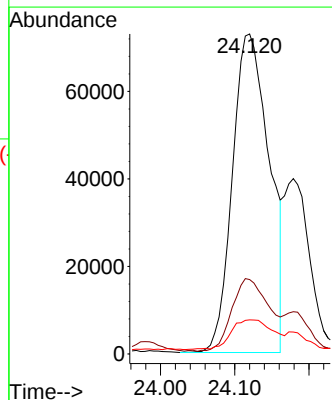
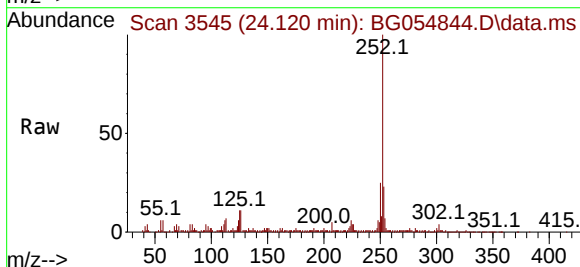
Instrument :
BNA_G
ClientSampleId :
H-1

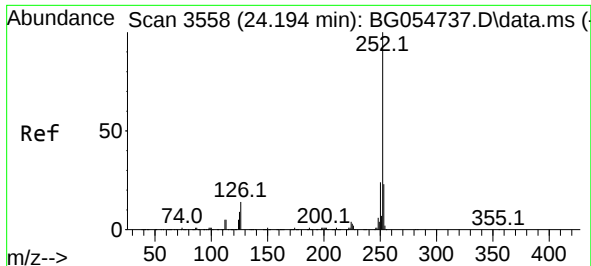
Tgt Ion:276 Resp: 92118
Ion Ratio Lower Upper
276 100
138 17.4 12.0 18.0
277 20.7 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 15.024 ng
RT: 24.120 min Scan# 3545
Delta R.T. 0.003 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:252 Resp: 251435
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 10.7 8.1 12.1

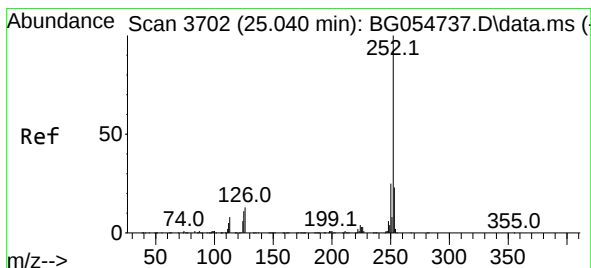
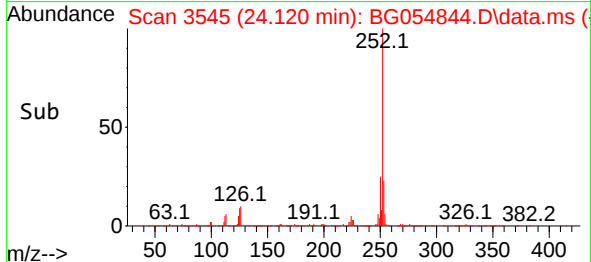
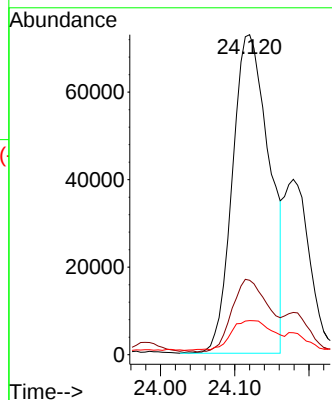
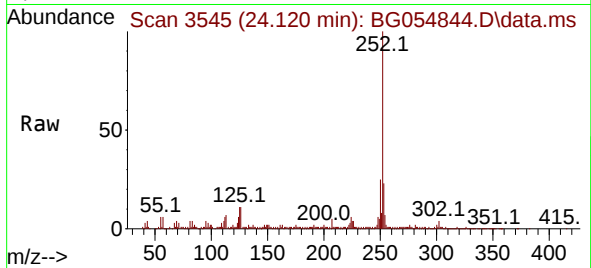




#89
Benzo(k)fluoranthene
Concen: 14.928 ng
RT: 24.120 min Scan# 31
Delta R.T. -0.073 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

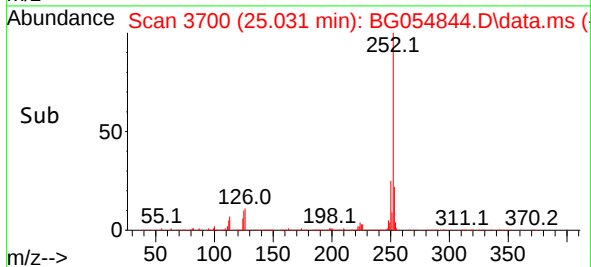
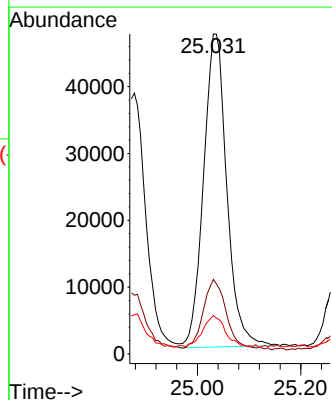
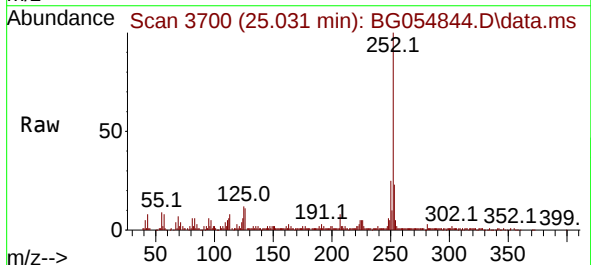
Instrument :
BNA_G
ClientSampleId :
H-1

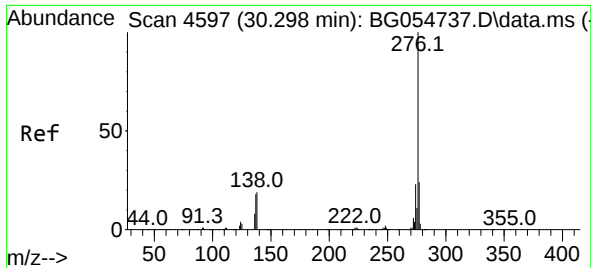
Tgt Ion:252 Resp: 251435
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.7 8.2 12.4



#90
Benzo(a)pyrene
Concen: 10.241 ng
RT: 25.031 min Scan# 3700
Delta R.T. -0.009 min
Lab File: BG054844.D
Acq: 2 Sep 2022 17:35

Tgt Ion:252 Resp: 146433
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 12.0 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.124 ng
 RT: 30.301 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: BG054844.D
 Acq: 2 Sep 2022 17:35

Instrument :
 BNA_G
 ClientSampleId :
 H-1

Tgt Ion:276 Resp: 85420
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.4 29.0
 138 18.4 16.6 25.0

