

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054874.D
 Acq On : 7 Sep 2022 18:33
 Operator : CG/JU
 Sample : N4498-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL

Quant Time: Sep 08 04:46:53 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)

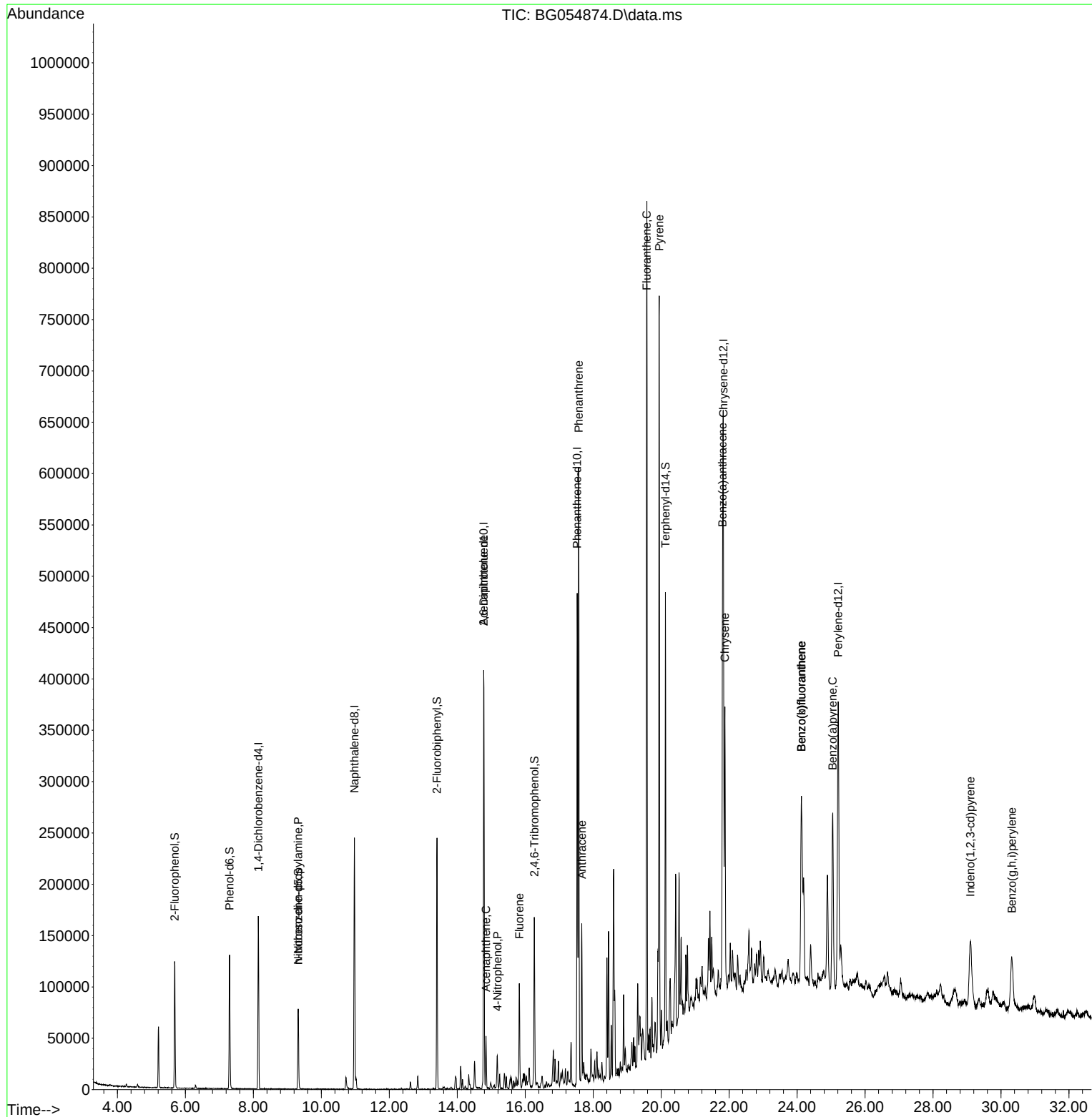
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	53376	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	223299	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	150423	20.000	ng	0.00
64) Phenanthrene-d10	17.530	188	315695	20.000	ng	0.00
76) Chrysene-d12	21.831	240	291589	20.000	ng	0.00
86) Perylene-d12	25.209	264	307154	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	61378	20.024	ng	0.00
7) Phenol-d6	7.301	99	86527	20.641	ng	0.00
23) Nitrobenzene-d5	9.322	82	51616	12.135	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	35440	18.855	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	139615	13.950	ng	0.00
79) Terphenyl-d14	20.127	244	211995	14.405	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	6499	2.255	ng	# 78
51) 2,6-Dinitrotoluene	14.780	165	20467	8.635	ng	# 21
52) Acenaphthene	14.845	154	18487	2.056	ng	97
56) 4-Nitrophenol	15.180	139	6677	3.252	ng	# 6
58) Fluorene	15.826	166	48102	4.321	ng	99
71) Phenanthrene	17.577	178	397459	23.634	ng	98
72) Anthracene	17.665	178	103805	6.349	ng	98
75) Fluoranthene	19.580	202	526751	25.748	ng	98
78) Pyrene	19.945	202	484849	23.846	ng	99
81) Benzo(a)anthracene	21.807	228	226784	11.471	ng	99
83) Chrysene	21.878	228	203243	10.752	ng	99
87) Indeno(1,2,3-cd)pyrene	29.104	276	124943	5.358	ng	97
88) Benzo(b)fluoranthene	24.128	252	252729	13.116	ng	97
89) Benzo(k)fluoranthene	24.128	252	252729	13.033	ng	97
90) Benzo(a)pyrene	25.044	252	196298	11.924	ng	99
92) Benzo(g,h,i)perylene	30.321	276	120956	6.303	ng	97

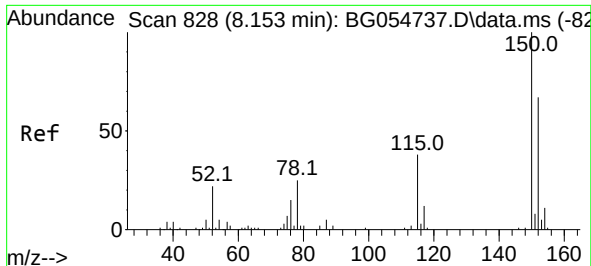
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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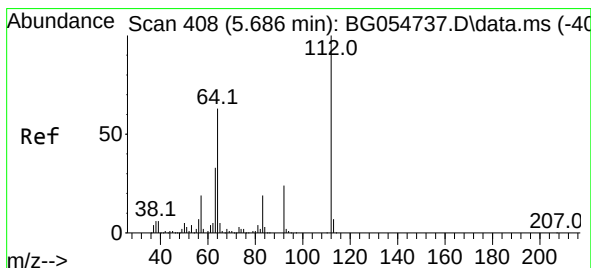
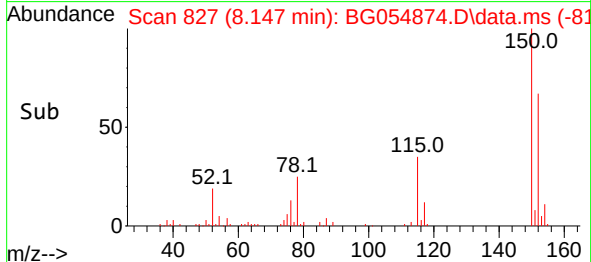
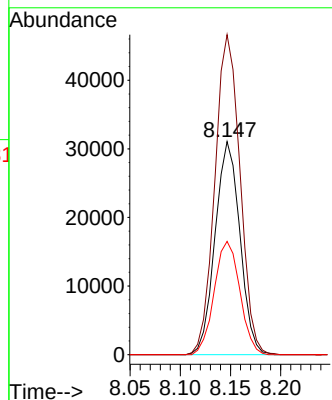
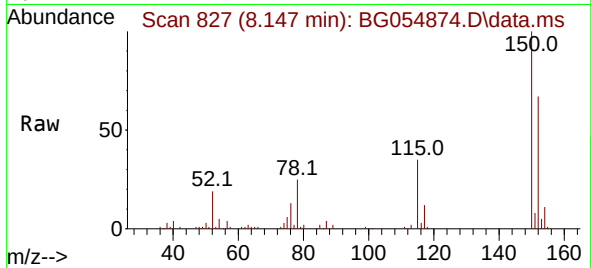




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

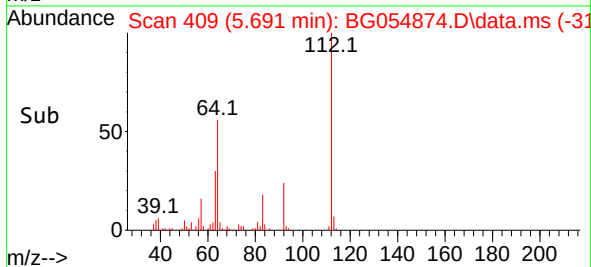
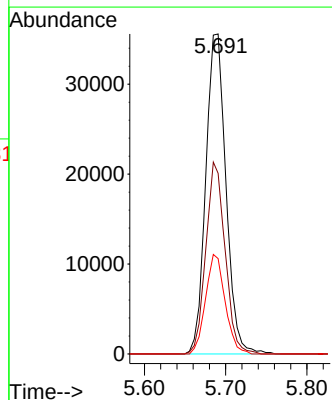
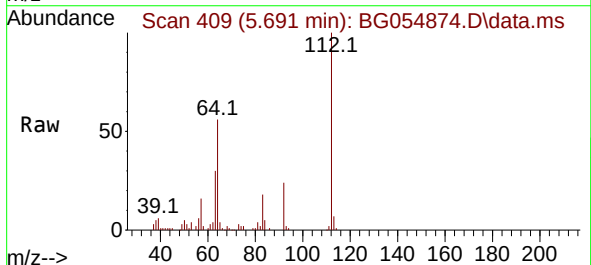
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

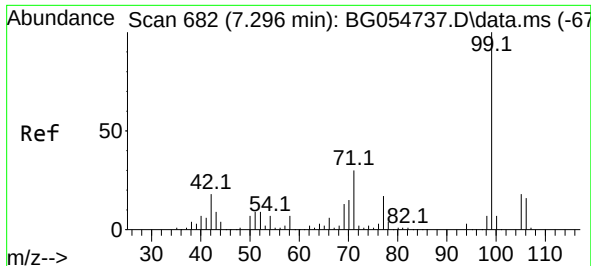
Tgt Ion:152 Resp: 53376
Ion Ratio Lower Upper
152 100
150 150.2 125.2 187.8
115 53.1 47.9 71.9



#5
2-Fluorophenol
Concen: 20.024 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:112 Resp: 61378
Ion Ratio Lower Upper
112 100
64 56.4 49.3 73.9
63 29.8 26.3 39.5

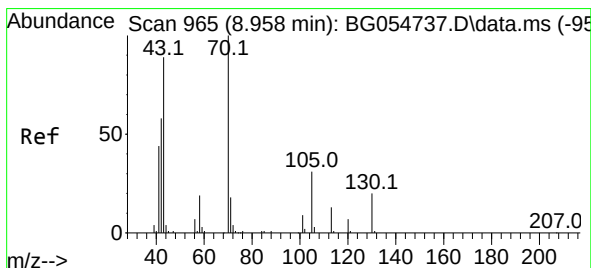
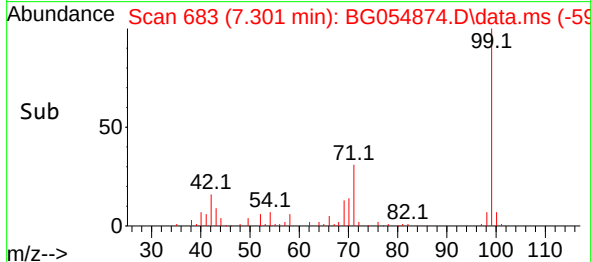
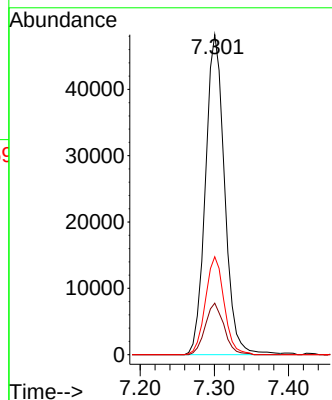
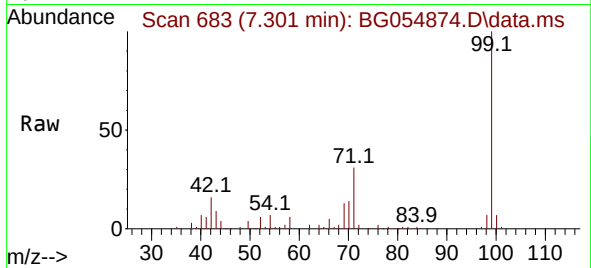




#7
Phenol-d6
Concen: 20.641 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

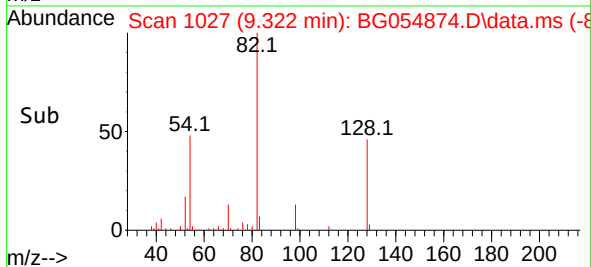
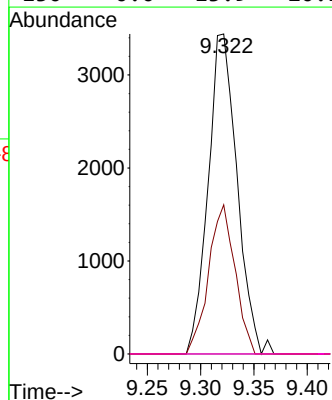
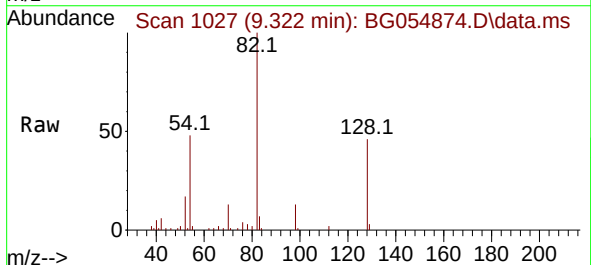
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

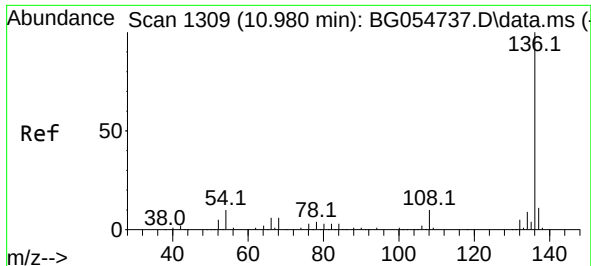
Tgt Ion: 99 Resp: 86527
Ion Ratio Lower Upper
99 100
42 16.1 14.6 22.0
71 30.6 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.255 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.363 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion: 70 Resp: 6499
Ion Ratio Lower Upper
70 100
42 46.6 46.6 69.8
101 0.0 7.7 11.5#
130 0.0 13.9 20.9#

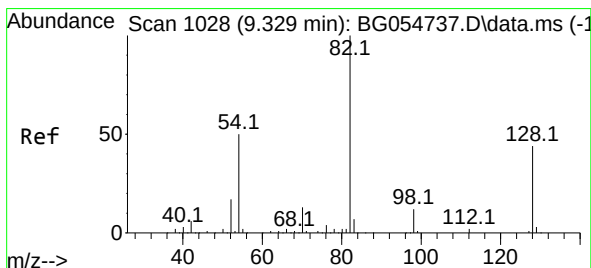
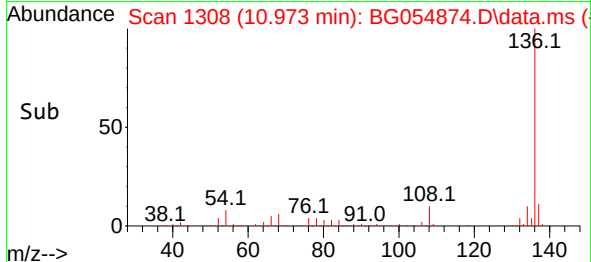
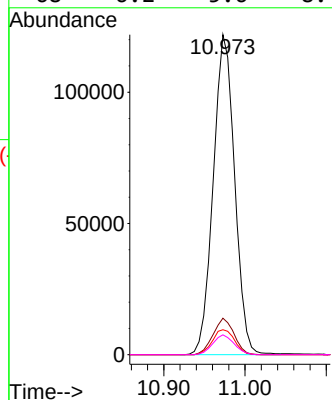
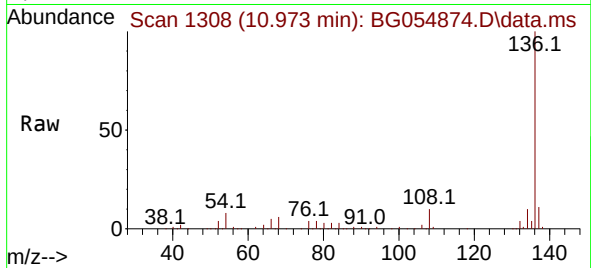




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

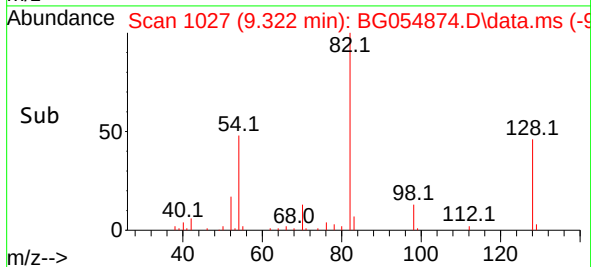
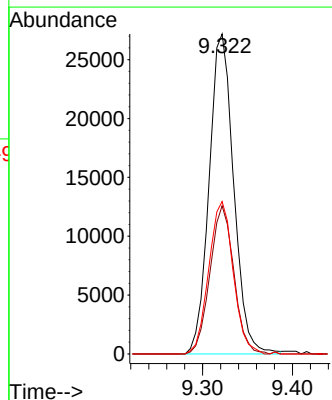
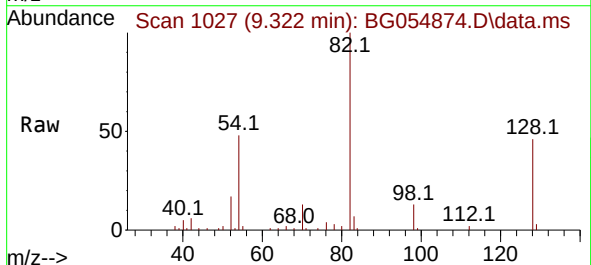
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

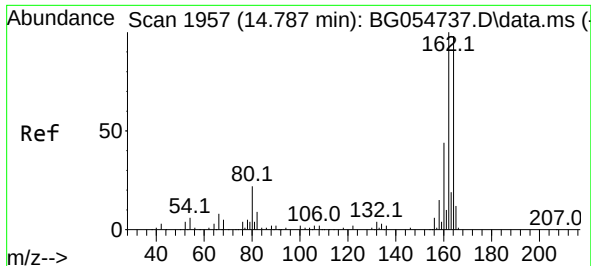
Tgt Ion:	136	Resp:	223299
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.8	7.7	11.5
68	6.2	5.6	8.4



#23
Nitrobenzene-d5
Concen: 12.135 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:	82	Resp:	51616
Ion	Ratio	Lower	Upper
82	100		
128	46.3	32.2	48.2
54	47.6	41.4	62.0

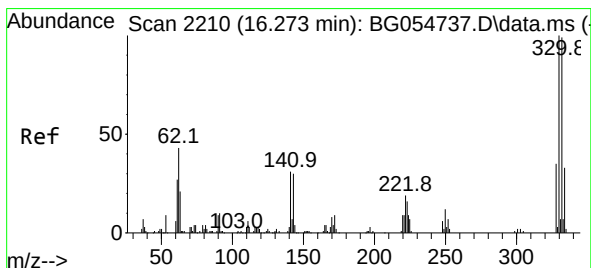
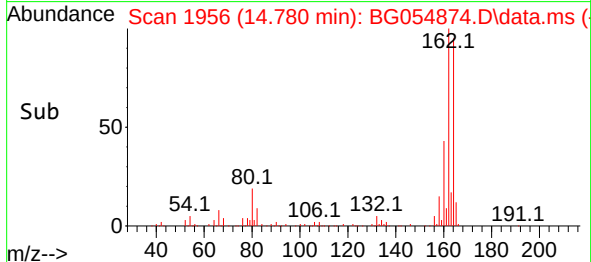
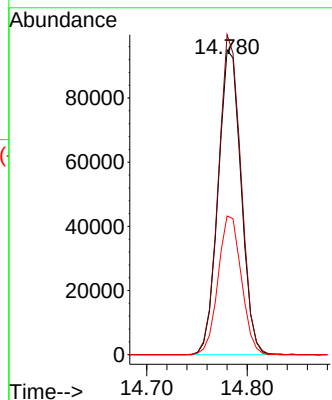
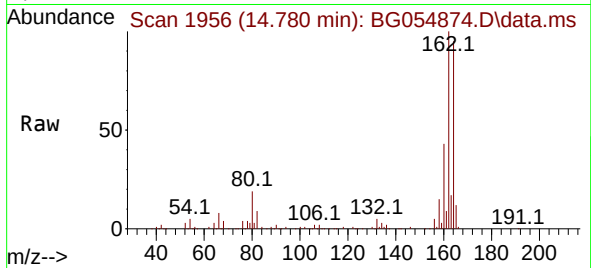




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

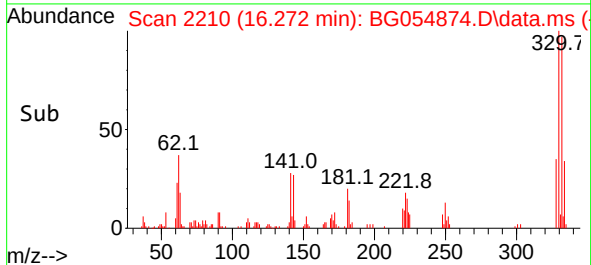
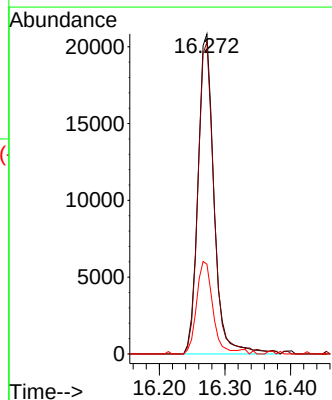
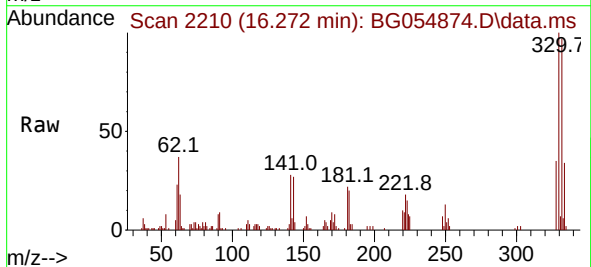
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

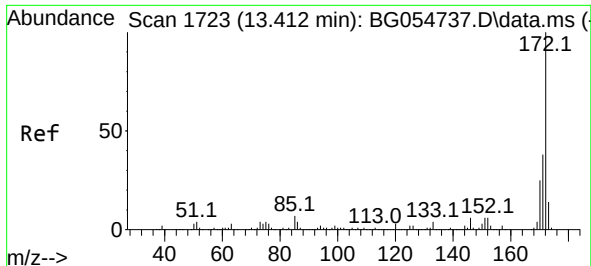
Tgt Ion:164 Resp: 150423
Ion Ratio Lower Upper
164 100
162 105.0 83.0 124.4
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 18.855 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:330 Resp: 35440
Ion Ratio Lower Upper
330 100
332 97.9 79.8 119.6
141 29.0 26.8 40.2

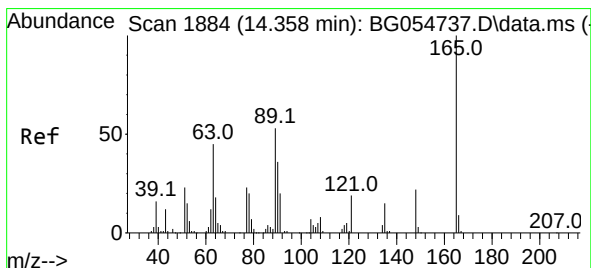
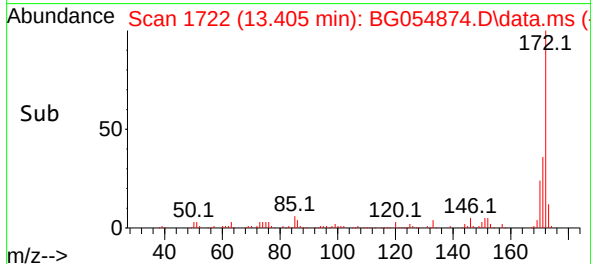
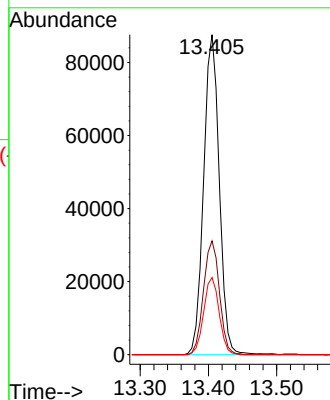
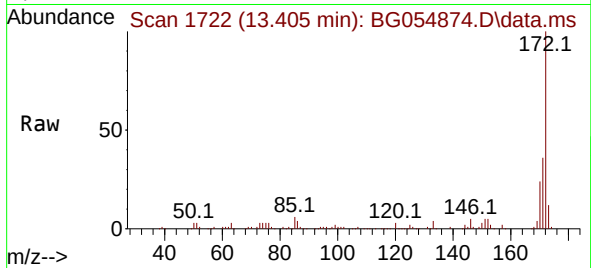




#45
2-Fluorobiphenyl
Concen: 13.950 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

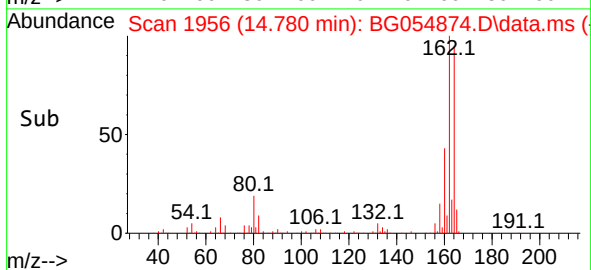
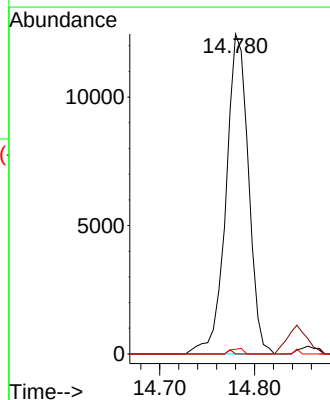
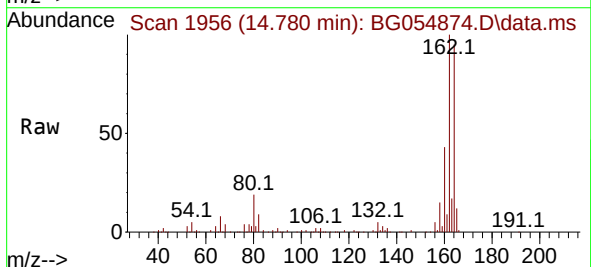
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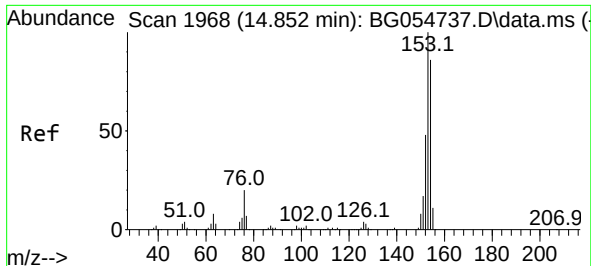
Tgt Ion:172 Resp: 139615
Ion Ratio Lower Upper
172 100
171 35.6 31.2 46.8
170 24.1 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.635 ng
RT: 14.780 min Scan# 1956
Delta R.T. 0.422 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:165 Resp: 20467
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.4 50.3 75.5#

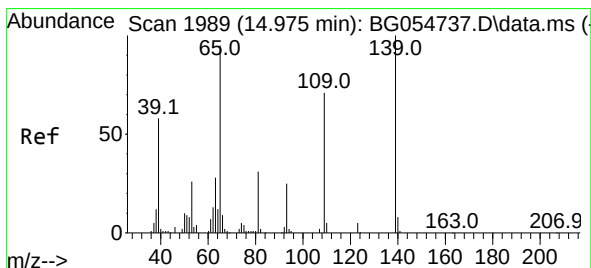
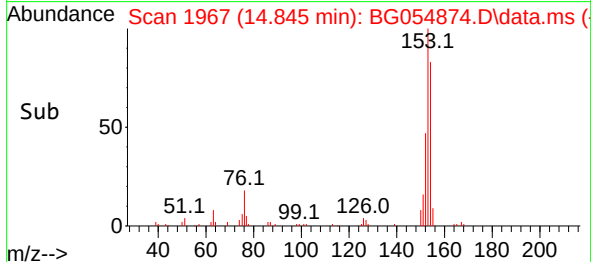
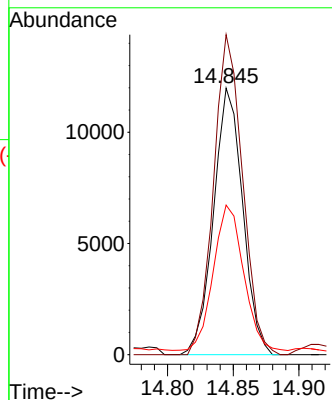
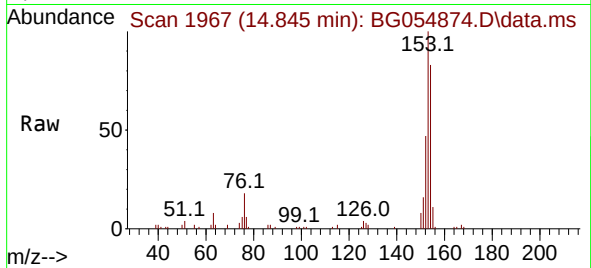




#52
Acenaphthene
Concen: 2.056 ng
RT: 14.845 min Scan# 1968
Delta R.T. -0.007 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

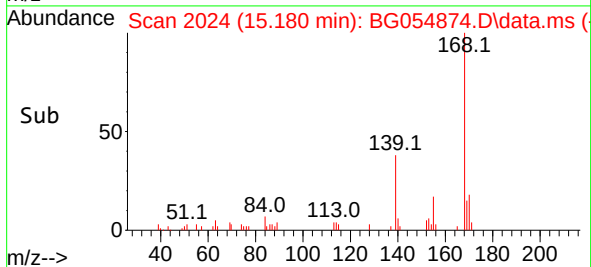
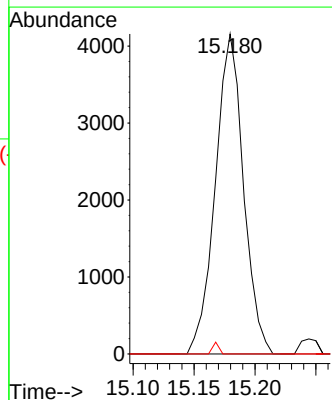
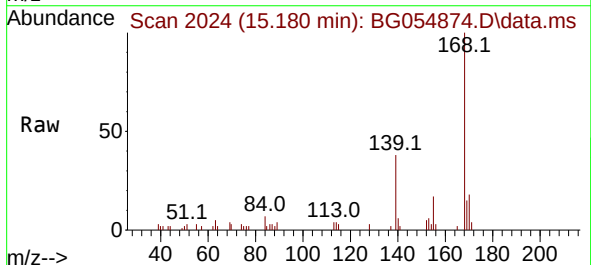
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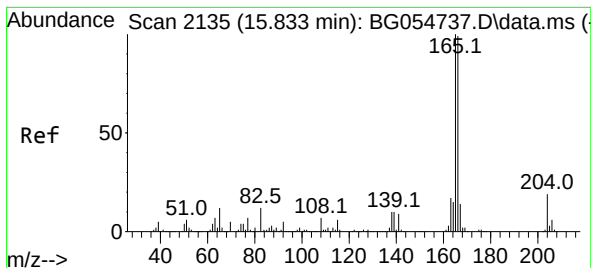
Tgt Ion:154 Resp: 18487
Ion Ratio Lower Upper
154 100
153 120.0 92.8 139.2
152 56.1 45.4 68.2



#56
4-Nitrophenol
Concen: 3.252 ng
RT: 15.180 min Scan# 2024
Delta R.T. 0.205 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:139 Resp: 6677
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 79.9 119.9#





#58

Fluorene

Concen: 4.321 ng

RT: 15.826 min Scan# 2135

Delta R.T. -0.007 min

Lab File: BG054874.D

Acq: 7 Sep 2022 18:33

Instrument :

BNA_G

ClientSampleId :

CL-02-090222DL

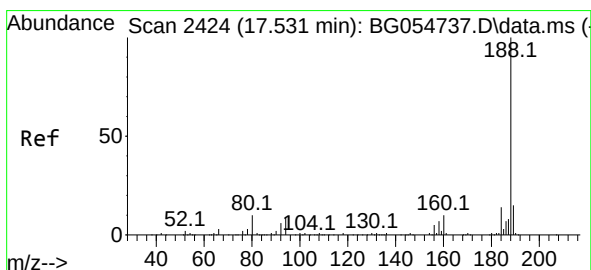
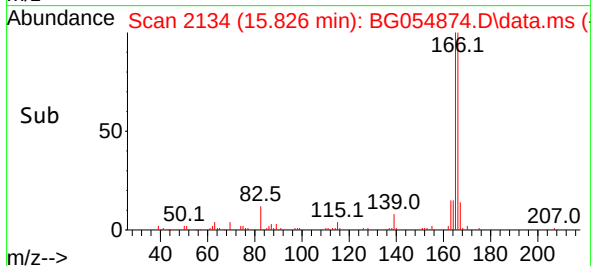
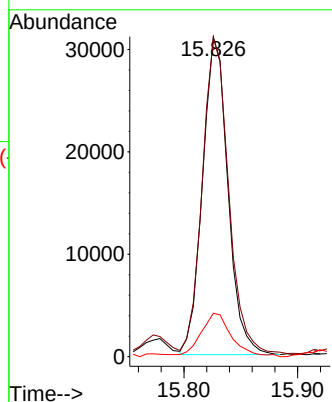
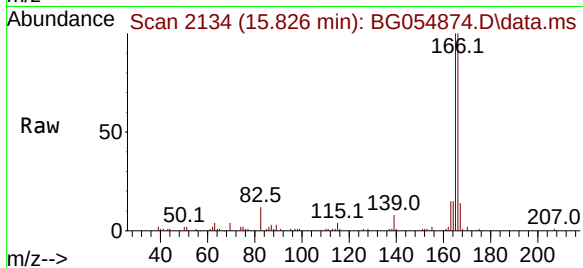
Tgt Ion:166 Resp: 48102

Ion Ratio Lower Upper

166 100

165 99.7 80.8 121.2

167 13.5 11.4 17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.530 min Scan# 2424

Delta R.T. -0.001 min

Lab File: BG054874.D

Acq: 7 Sep 2022 18:33

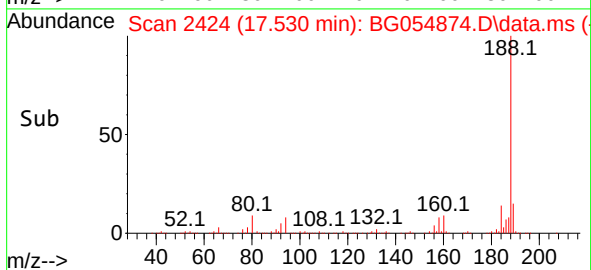
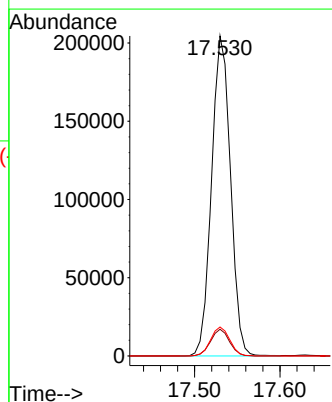
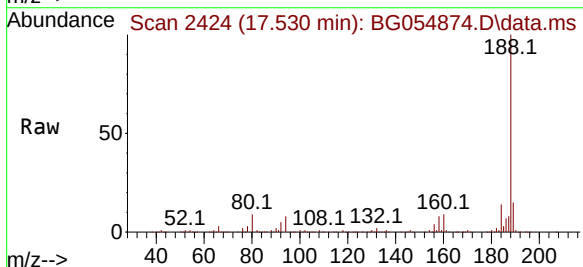
Tgt Ion:188 Resp: 315695

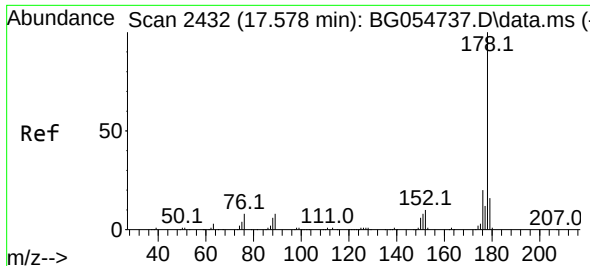
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 9.1 7.9 11.9

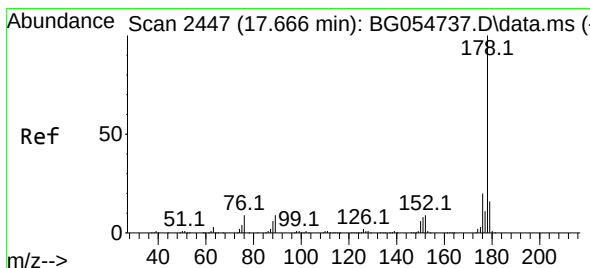
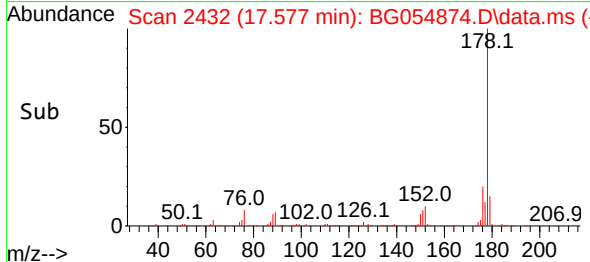
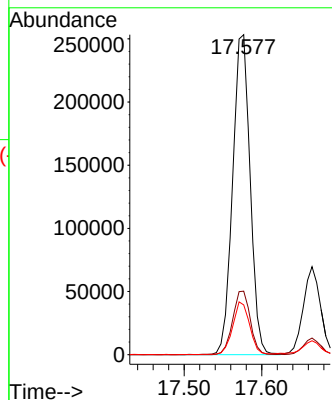
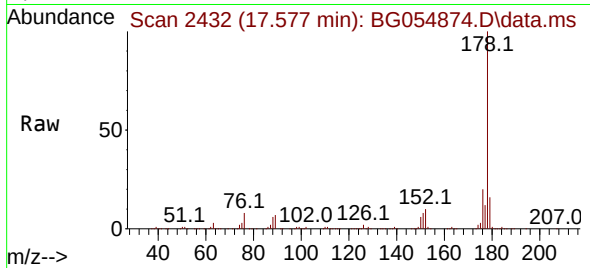




#71
Phenanthrene
Concen: 23.634 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

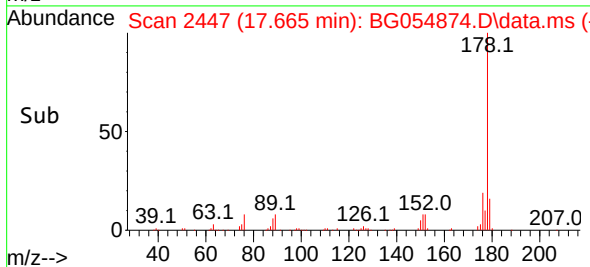
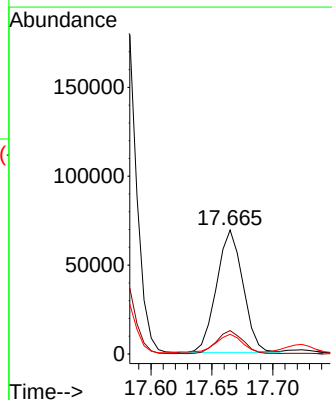
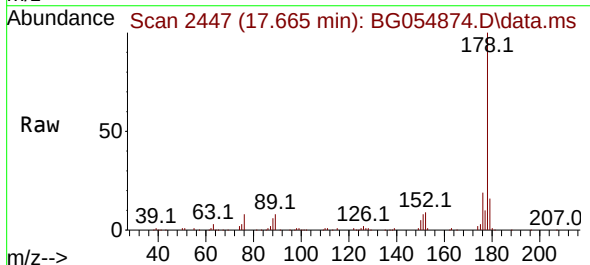
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

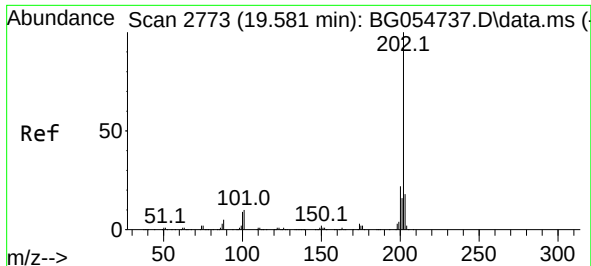
Tgt Ion:178 Resp: 397459
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 15.6 12.8 19.2



#72
Anthracene
Concen: 6.349 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:178 Resp: 103805
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.9 12.9 19.3

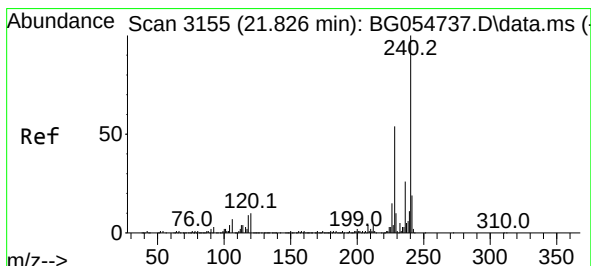
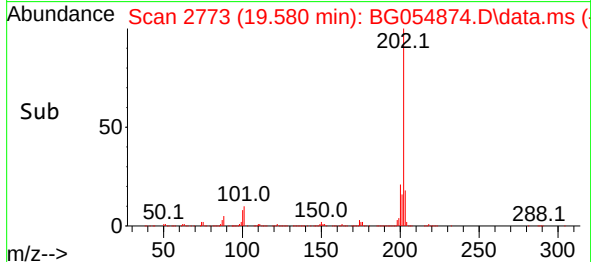
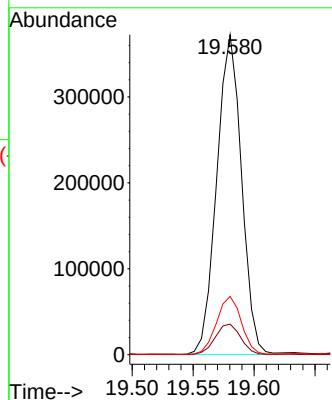
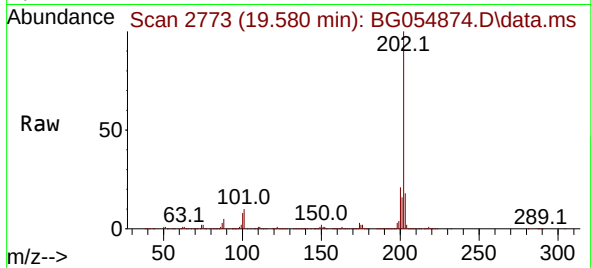




#75
Fluoranthene
Concen: 25.748 ng
RT: 19.580 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

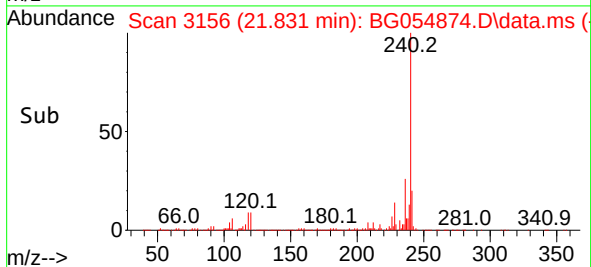
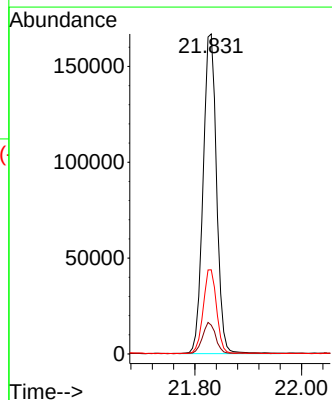
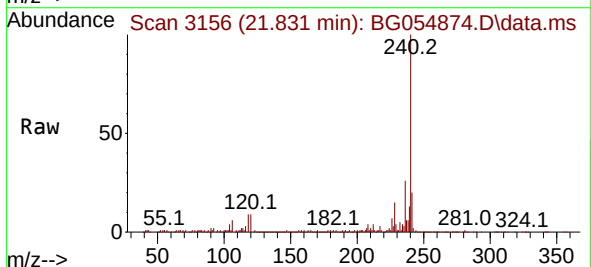
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

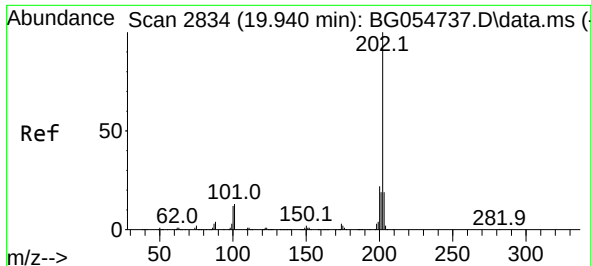
Tgt Ion:202 Resp: 526751
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 18.2 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:240 Resp: 291589
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.4
236 26.3 21.2 31.8

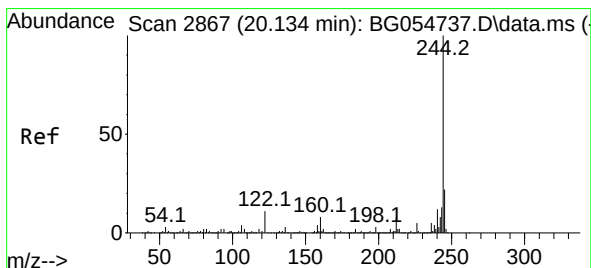
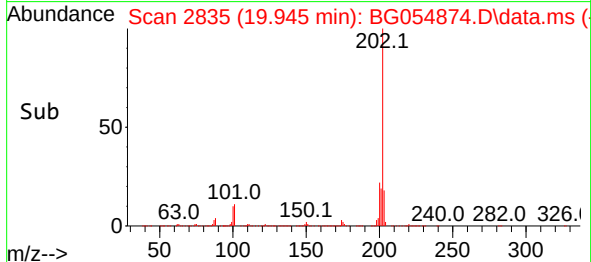
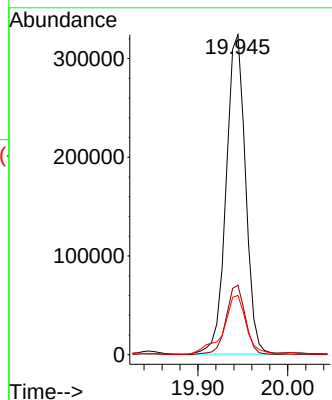
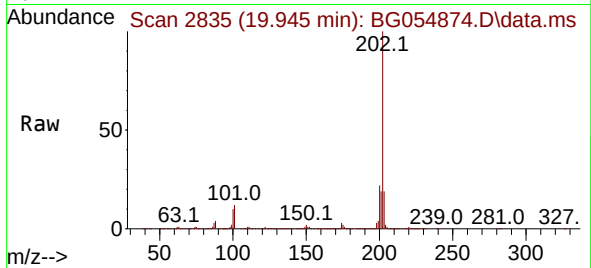




#78
 Pyrene
 Concen: 23.846 ng
 RT: 19.945 min Scan# 2835
 Delta R.T. 0.005 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

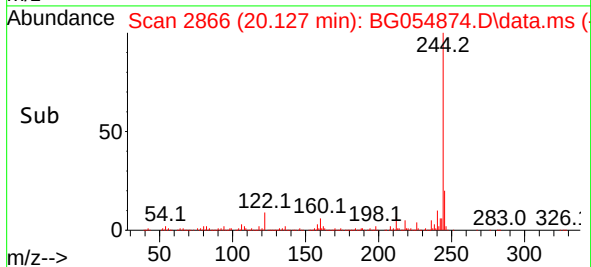
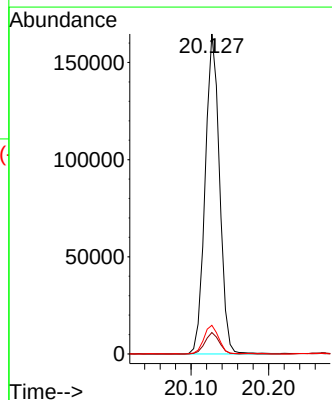
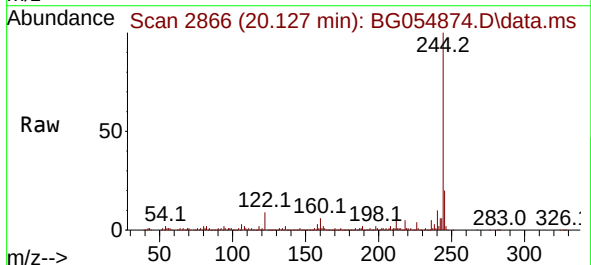
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL

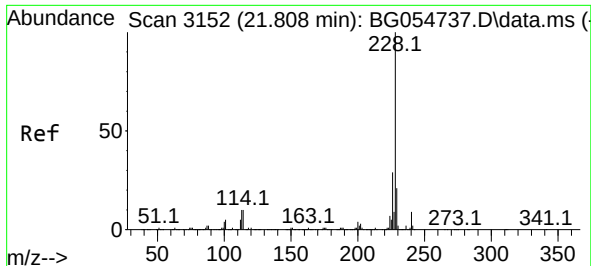
Tgt Ion:202 Resp: 484849
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.8 26.6
 203 18.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 14.405 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

Tgt Ion:244 Resp: 211995
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 9.0 9.0 13.6#

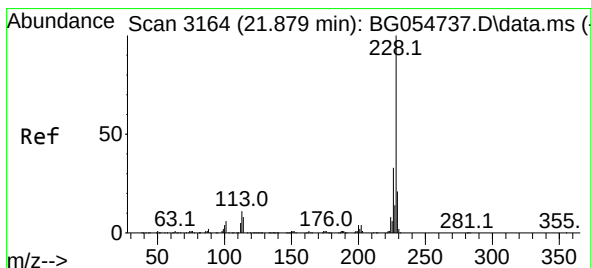
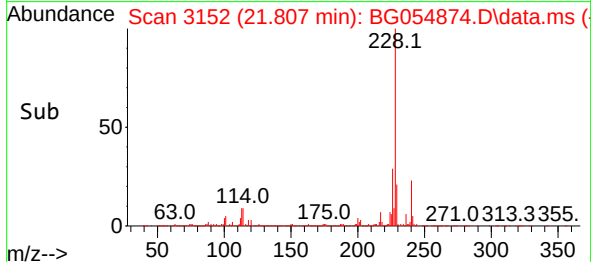
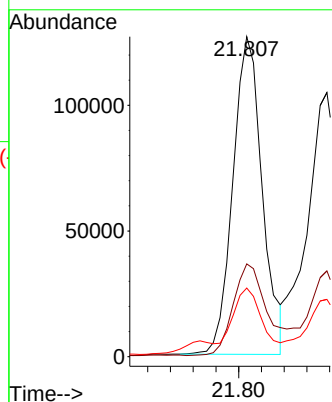
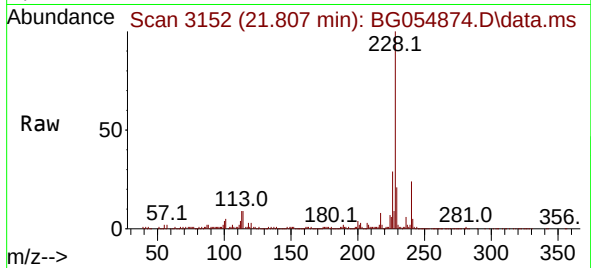




#81
Benzo(a)anthracene
Concen: 11.471 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

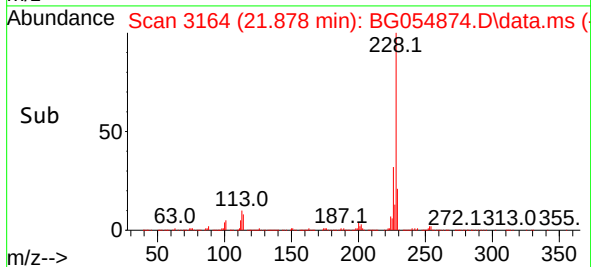
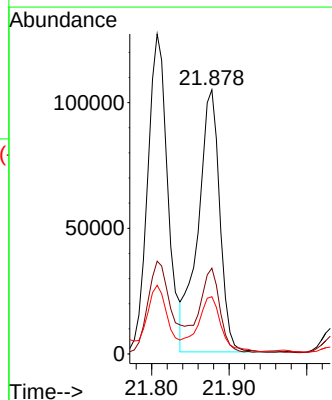
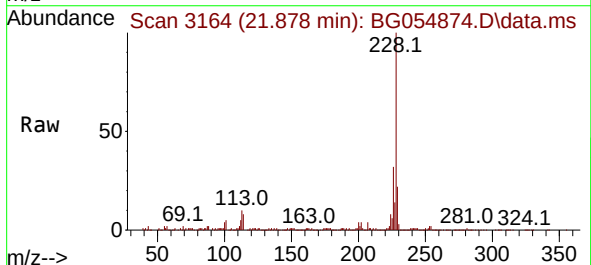
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

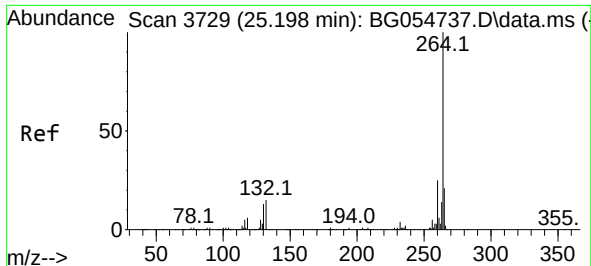
Tgt Ion:228 Resp: 226784
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 21.4 16.5 24.7



#83
Chrysene
Concen: 10.752 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:228 Resp: 203243
Ion Ratio Lower Upper
228 100
226 32.4 25.5 38.3
229 21.7 16.8 25.2

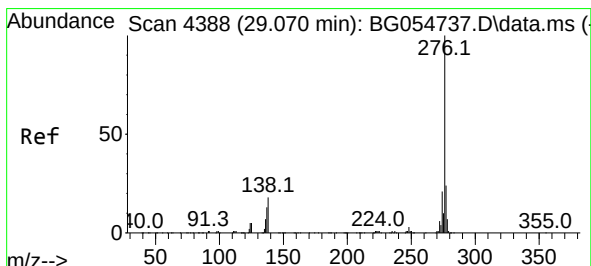
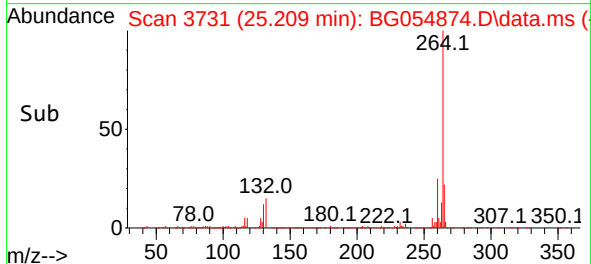
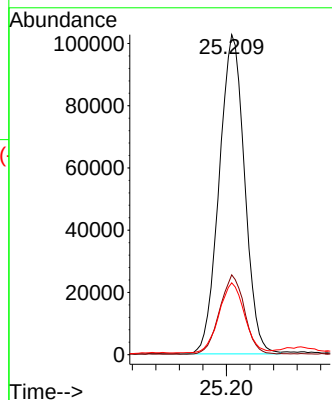
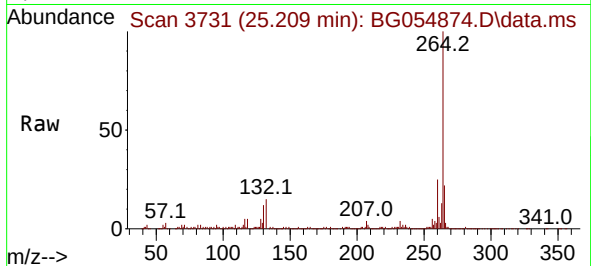




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.209 min Scan# 31
 Delta R.T. 0.011 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

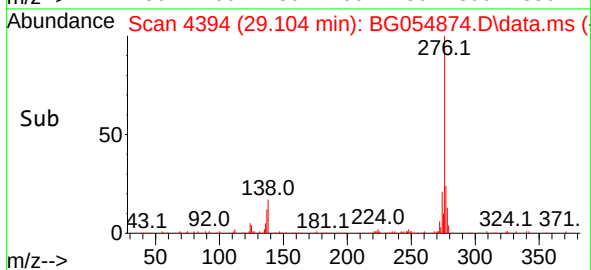
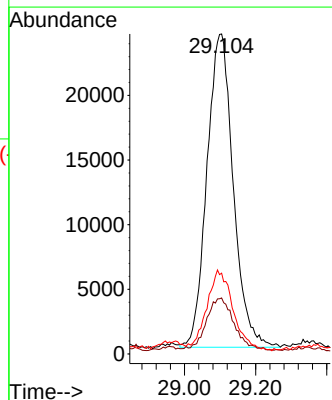
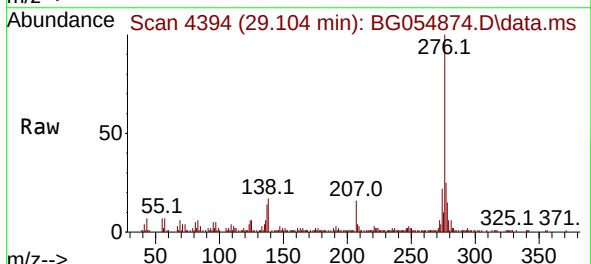
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-090222DL

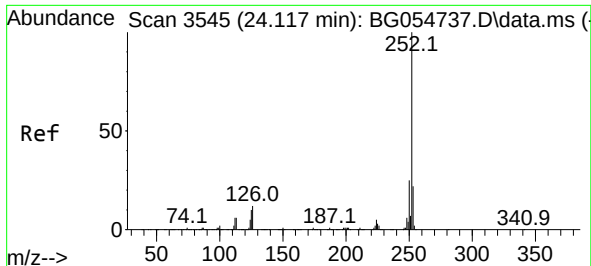
Tgt Ion:264 Resp: 307154
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.9 29.9
 265 22.4 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.358 ng
 RT: 29.104 min Scan# 4394
 Delta R.T. 0.034 min
 Lab File: BG054874.D
 Acq: 7 Sep 2022 18:33

Tgt Ion:276 Resp: 124943
 Ion Ratio Lower Upper
 276 100
 138 17.6 12.0 18.0
 277 26.0 20.2 30.4

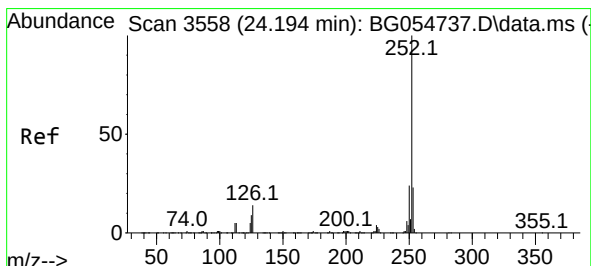
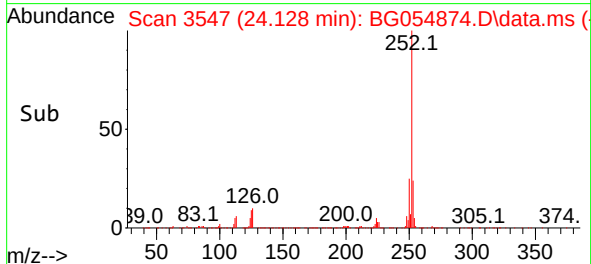
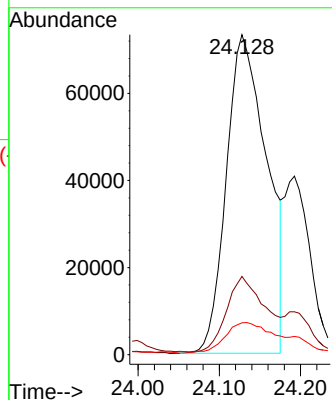
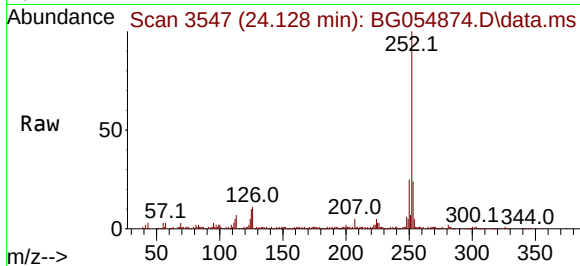




#88
Benzo(b)fluoranthene
Concen: 13.116 ng
RT: 24.128 min Scan# 3547
Delta R.T. 0.011 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

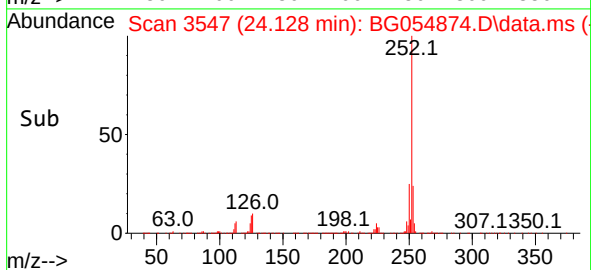
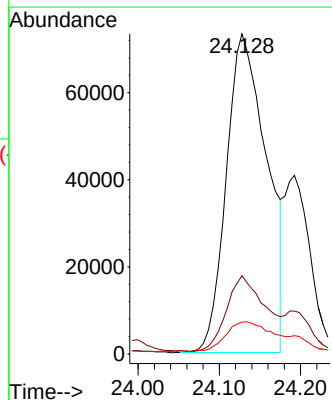
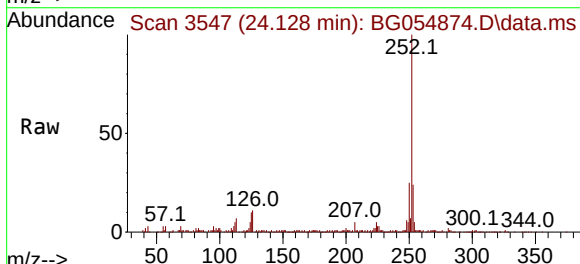
Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

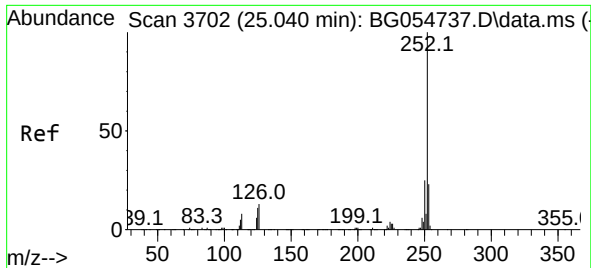
Tgt Ion:252 Resp: 252729
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 10.0 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 13.033 ng
RT: 24.128 min Scan# 3547
Delta R.T. -0.066 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:252 Resp: 252729
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.0 8.2 12.4

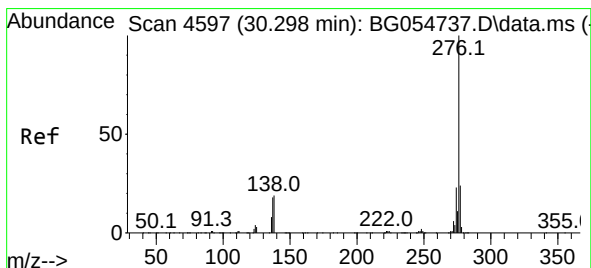
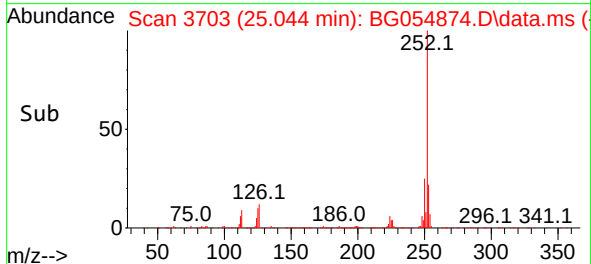
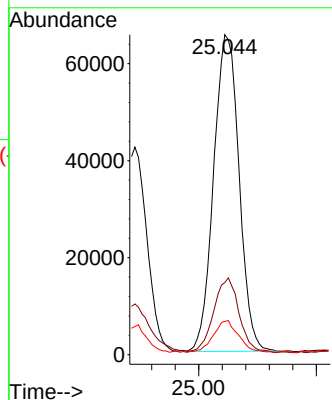
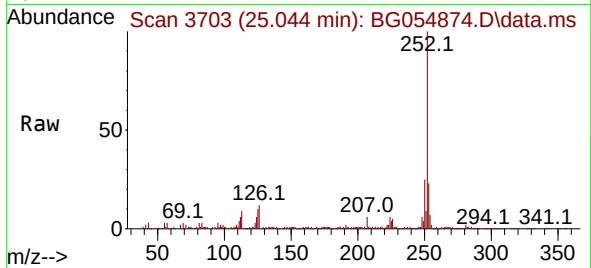




#90
Benzo(a)pyrene
Concen: 11.924 ng
RT: 25.044 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Instrument :
BNA_G
ClientSampleId :
CL-02-090222DL

Tgt Ion:252 Resp: 196298
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.4 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 6.303 ng
RT: 30.321 min Scan# 4601
Delta R.T. 0.022 min
Lab File: BG054874.D
Acq: 7 Sep 2022 18:33

Tgt Ion:276 Resp: 120956
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.0
138 18.1 16.6 25.0

