

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081422\
 Data File : BG054638.D
 Acq On : 14 Aug 2022 18:44
 Operator : CG/JU
 Sample : N4150-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-081022DL

Quant Time: Aug 15 04:21:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 13 00:32:40 2022
 Response via : Initial Calibration

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

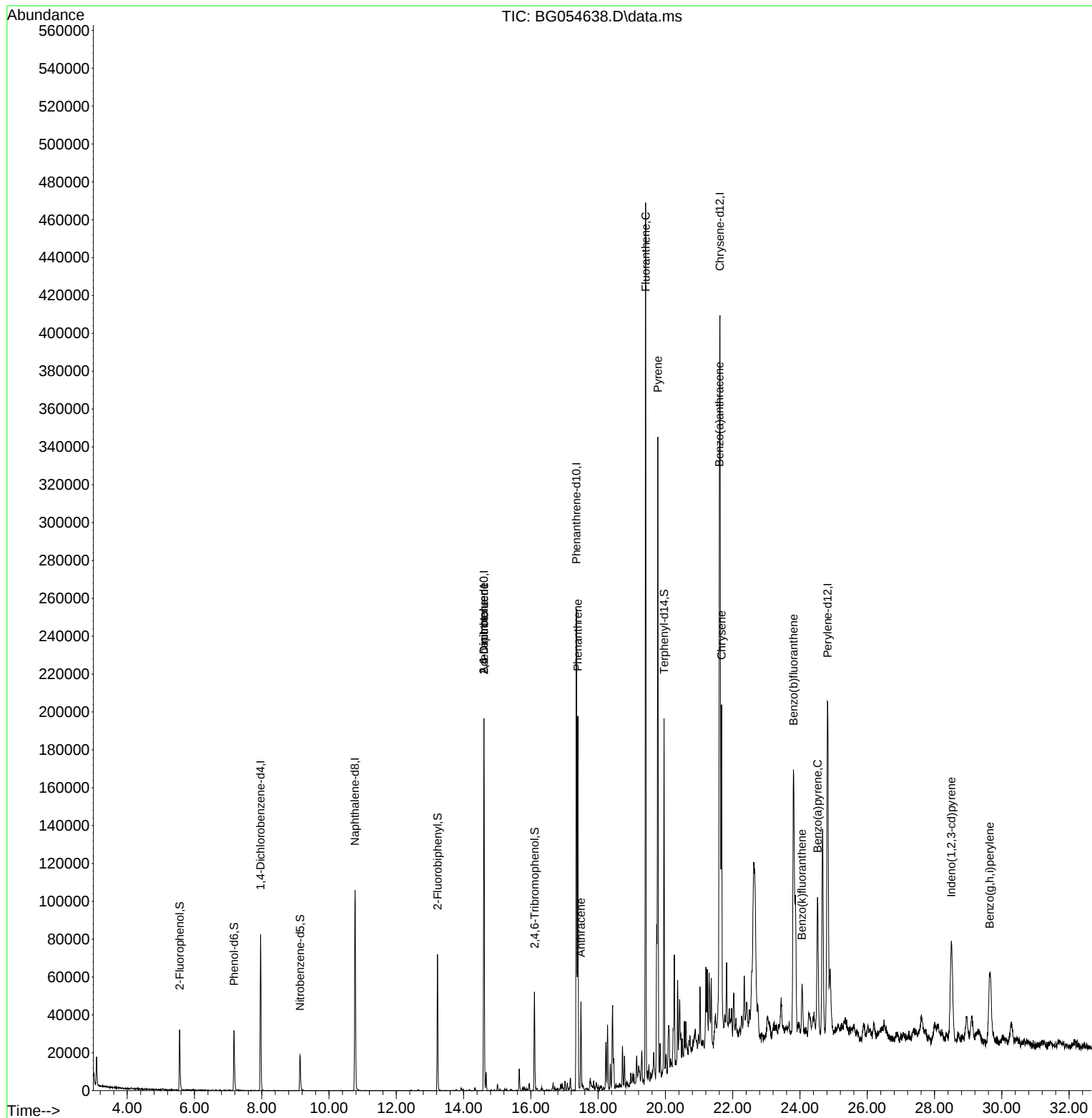
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.966	152	26118	20.000	ng	0.00
21) Naphthalene-d8	10.774	136	99471	20.000	ng	# 0.00
39) Acenaphthene-d10	14.605	164	75706	20.000	ng	0.00
64) Phenanthrene-d10	17.355	188	187448	20.000	ng	# 0.00
76) Chrysene-d12	21.620	240	207782	20.000	ng	# 0.00
86) Perylene-d12	24.822	264	219986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	15784	12.618	ng	0.00
7) Phenol-d6	7.172	99	21776	12.704	ng	0.00
23) Nitrobenzene-d5	9.135	82	13831	7.572	ng	0.00
42) 2,4,6-Tribromophenol	16.109	330	14996	9.434	ng	0.00
45) 2-Fluorobiphenyl	13.224	172	44100	8.218	ng	0.00
79) Terphenyl-d14	19.957	244	92485	8.830	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.605	165	10388	8.009	ng	# 16
57) 2,4-Dinitrotoluene	14.605	165	10388	5.587	ng	# 21
71) Phenanthrene	17.396	178	133841	14.338	ng	98
72) Anthracene	17.490	178	34793	3.798	ng	97
75) Fluoranthene	19.411	202	320487	25.186	ng	97
78) Pyrene	19.775	202	251605	21.104	ng	98
81) Benzo(a)anthracene	21.603	228	151976	11.522	ng	98
83) Chrysene	21.667	228	131447	10.548	ng	98
87) Indeno(1,2,3-cd)pyrene	28.500	276	100229	5.989	ng	# 94
88) Benzo(b)fluoranthene	23.806	252	189410	14.559	ng	98
89) Benzo(k)fluoranthene	24.058	252	27194	2.100	ng	93
90) Benzo(a)pyrene	24.523	252	86765	7.809	ng	98
92) Benzo(g,h,i)perylene	29.640	276	95575	7.037	ng	# 88

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

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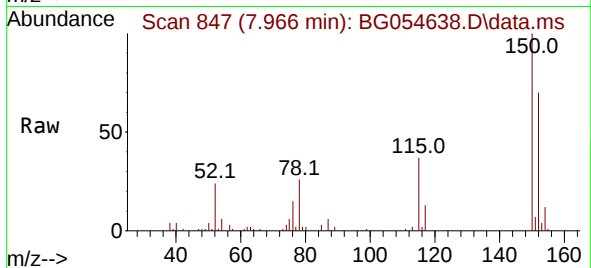
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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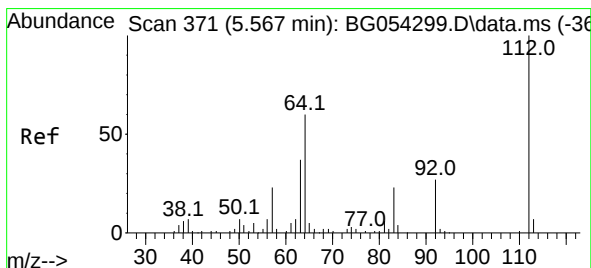
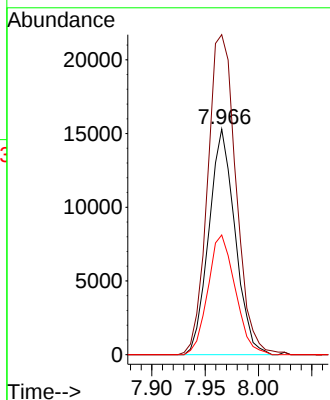
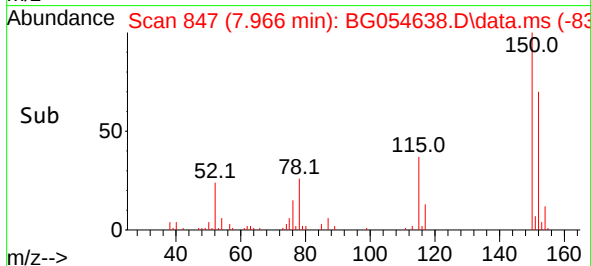


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.966 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

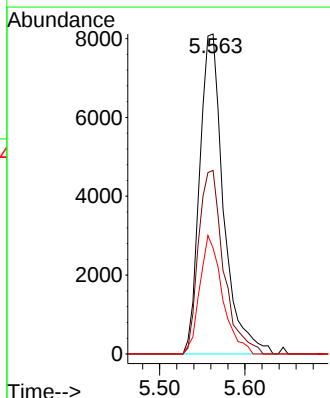
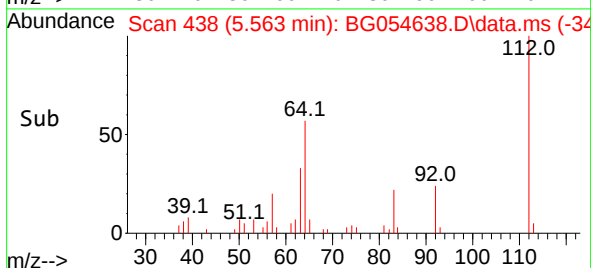
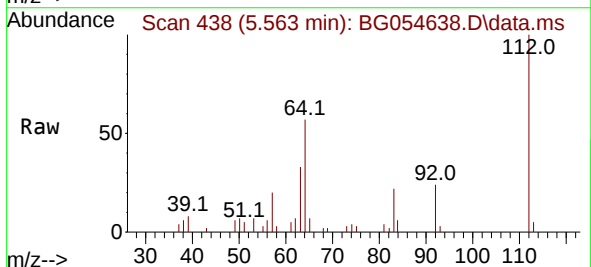


Tgt Ion:152 Resp: 26118
Ion Ratio Lower Upper
152 100
150 141.8 131.6 197.4
115 53.1 50.9 76.3



#5
2-Fluorophenol
Concen: 12.618 ng
RT: 5.563 min Scan# 438
Delta R.T. 0.009 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:112 Resp: 15784
Ion Ratio Lower Upper
112 100
64 57.3 55.1 82.7
63 33.1 30.4 45.6

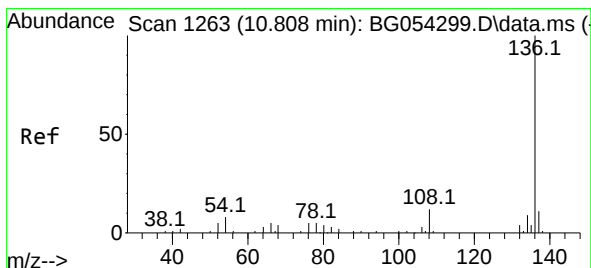
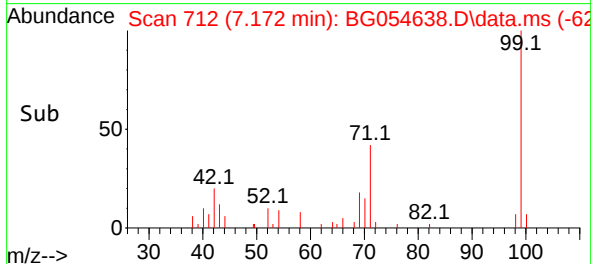
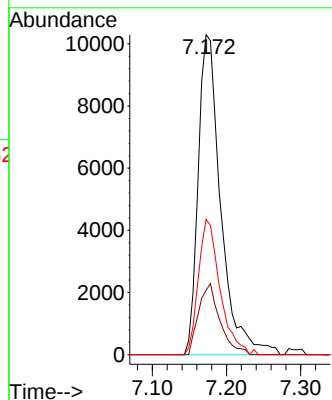
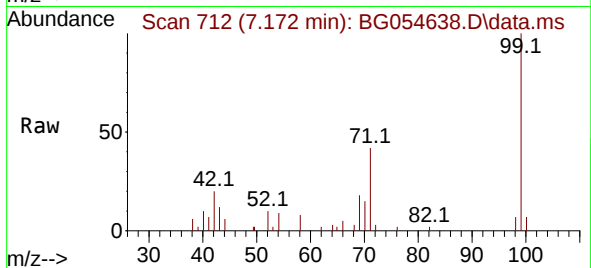




#7
Phenol-d6
Concen: 12.704 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

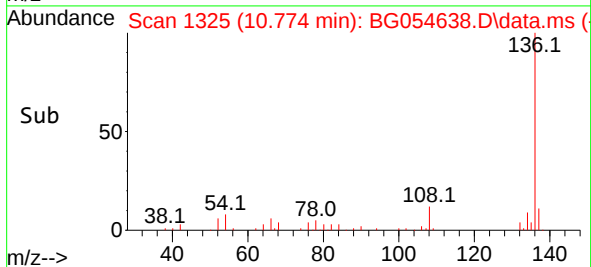
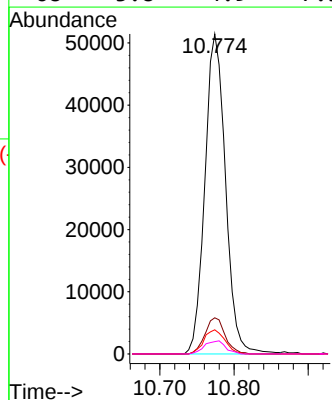
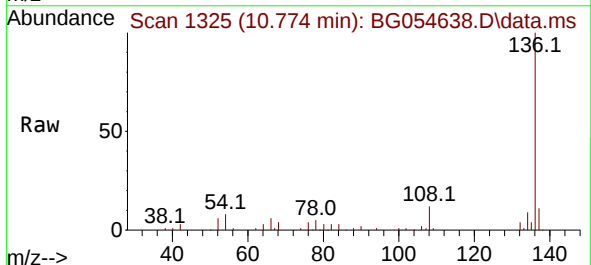
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

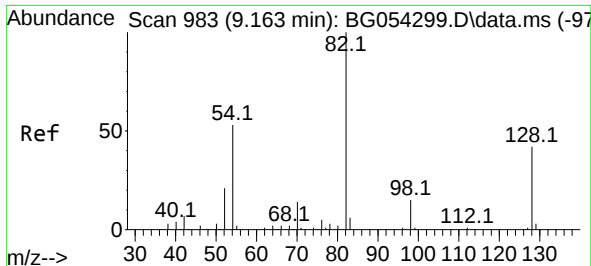
Tgt Ion: 99 Resp: 21776
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 42.3 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.774 min Scan# 1325
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion: 136 Resp: 99471
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.5 7.4 11.2
68 3.8 4.9 7.3#

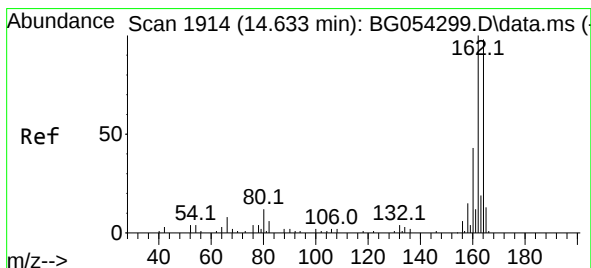
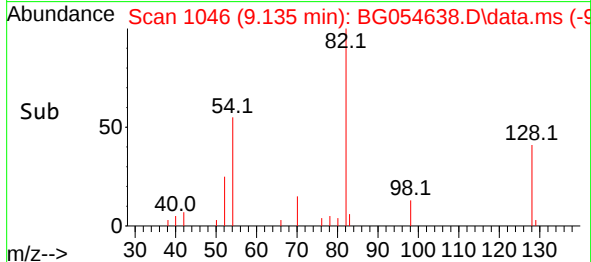
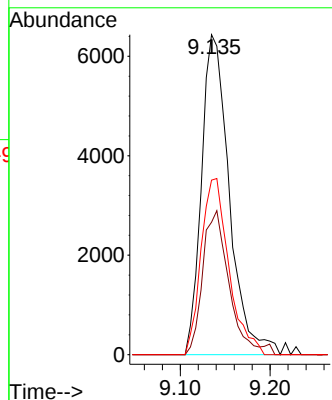
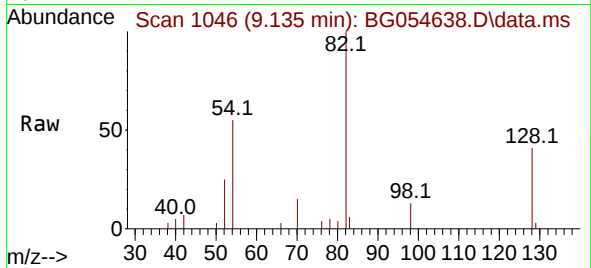




#23
Nitrobenzene-d5
Concen: 7.572 ng
RT: 9.135 min Scan# 1046
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

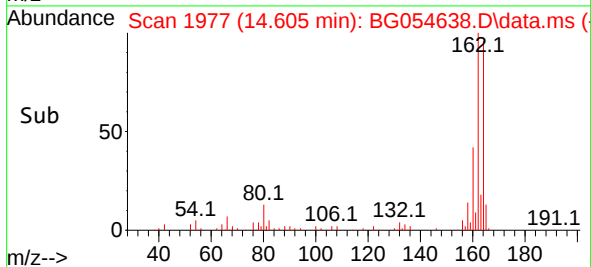
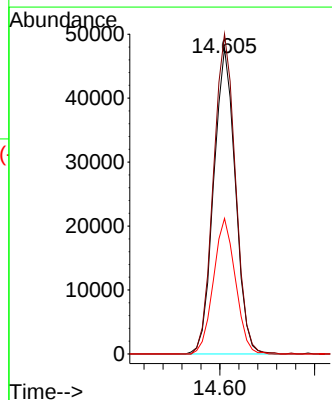
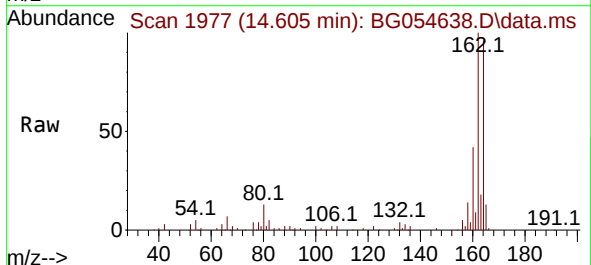
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

Tgt Ion: 82	Resp: 13831
Ion Ratio	Lower Upper
82	100
128	41.4 27.9 41.9
54	54.6 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.605 min Scan# 1977
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion: 164	Resp: 75706
Ion Ratio	Lower Upper
164	100
162	104.6 82.3 123.5
160	44.3 34.2 51.2

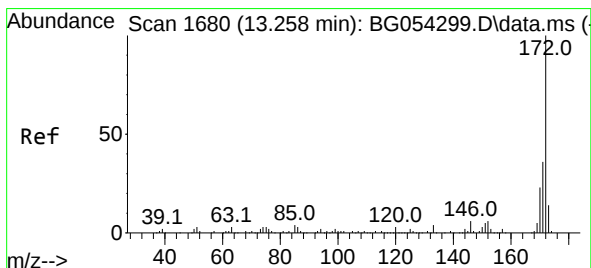
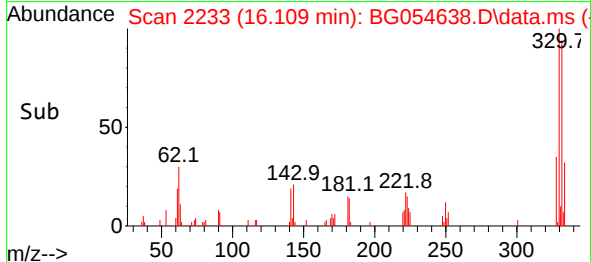
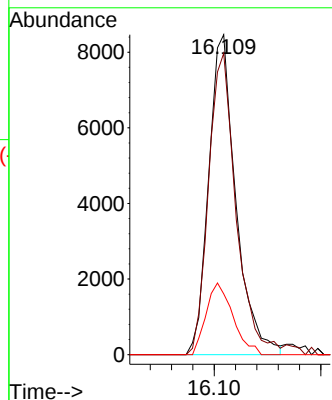
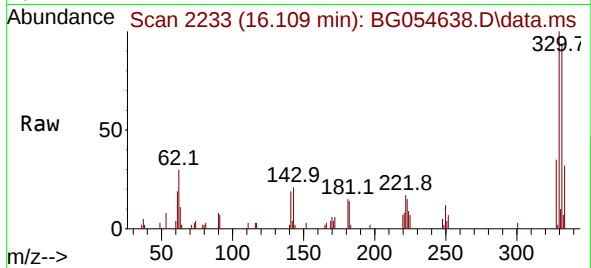




#42
2,4,6-Tribromophenol
Concen: 9.434 ng
RT: 16.109 min Scan# 2168
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

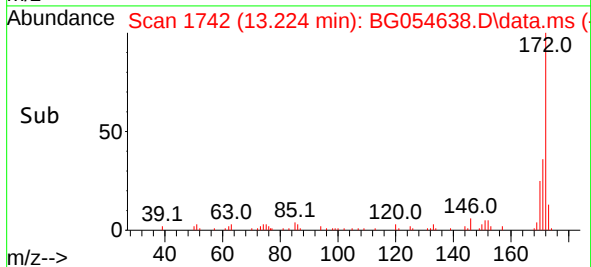
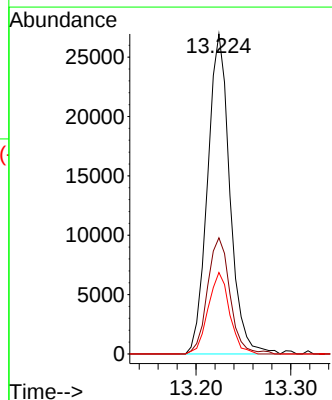
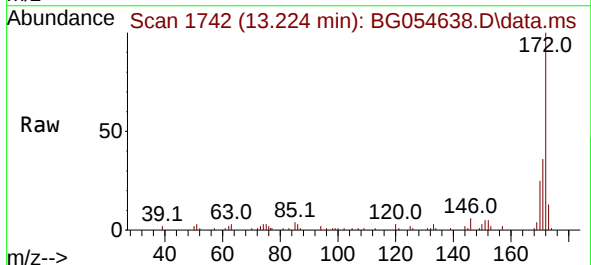
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

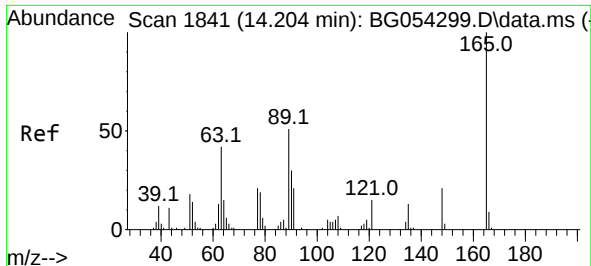
Tgt Ion:330 Resp: 14996
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 22.1 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 8.218 ng
RT: 13.224 min Scan# 1742
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:172 Resp: 44100
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 25.5 18.9 28.3

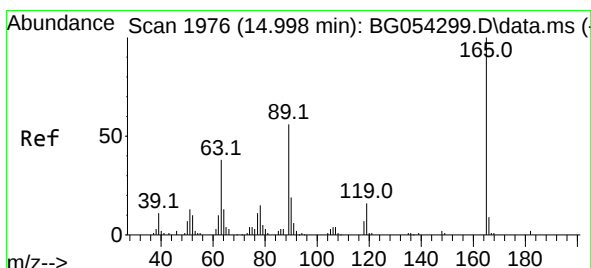
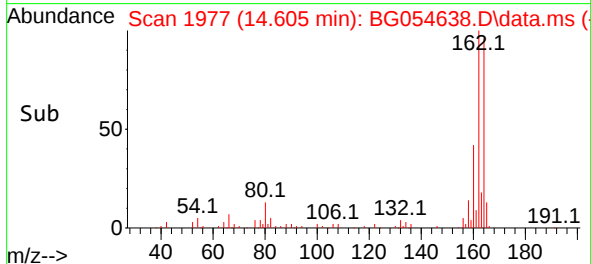
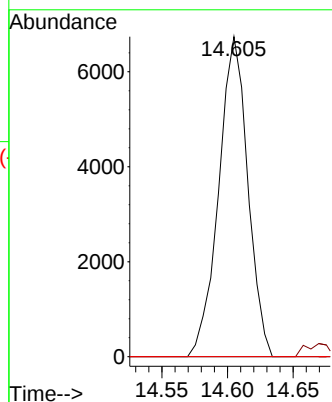
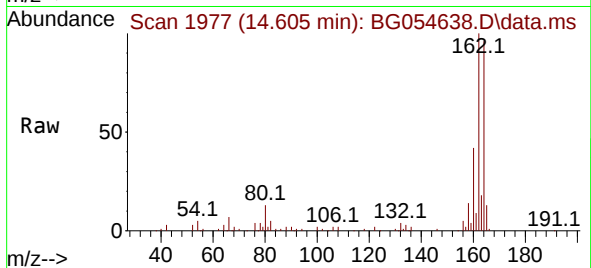




#51
2,6-Dinitrotoluene
Concen: 8.009 ng
RT: 14.605 min Scan# 1977
Delta R.T. 0.415 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

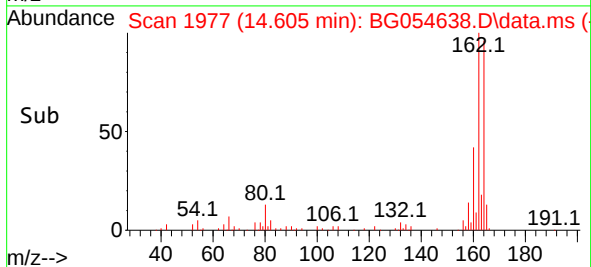
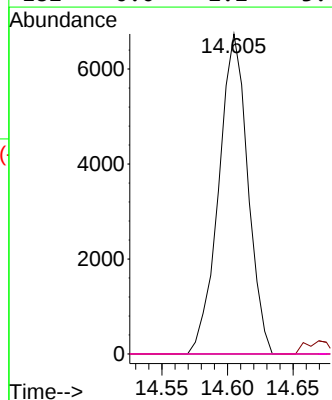
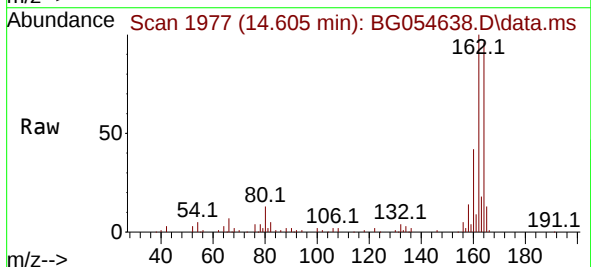
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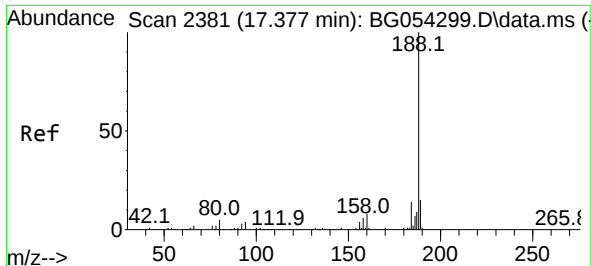
Tgt Ion:165 Resp: 10388
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.587 ng
RT: 14.605 min Scan# 1977
Delta R.T. -0.390 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:165 Resp: 10388
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

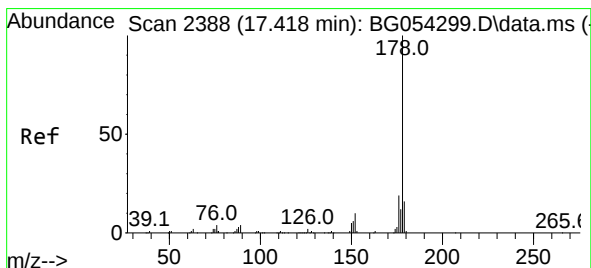
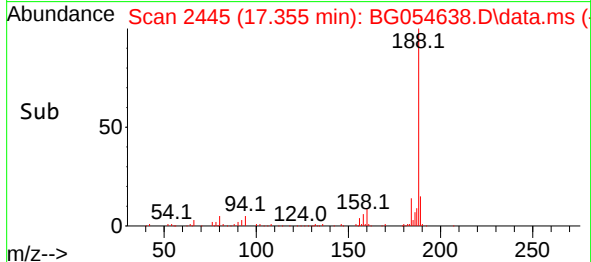
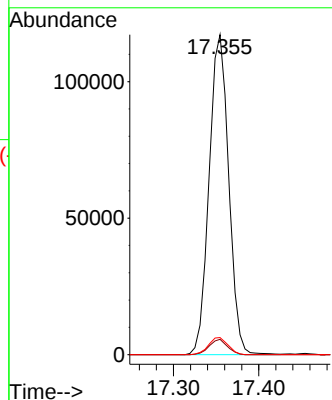
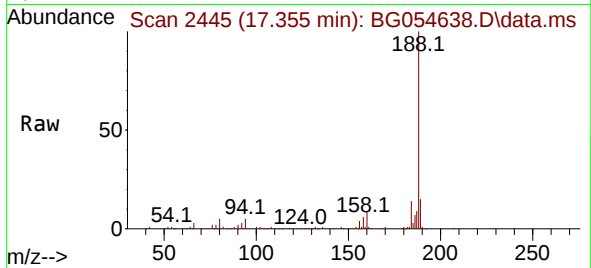




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.355 min Scan# 2445
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

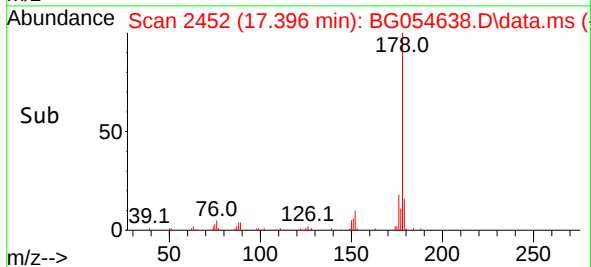
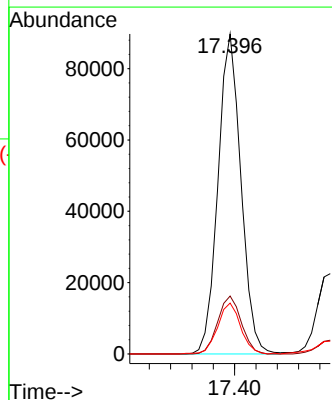
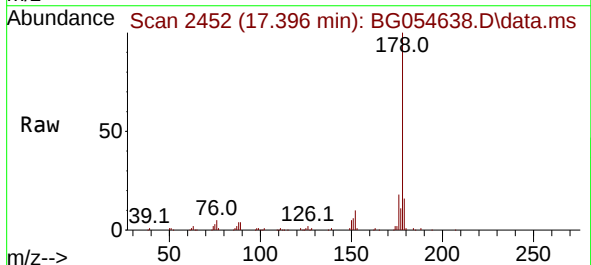
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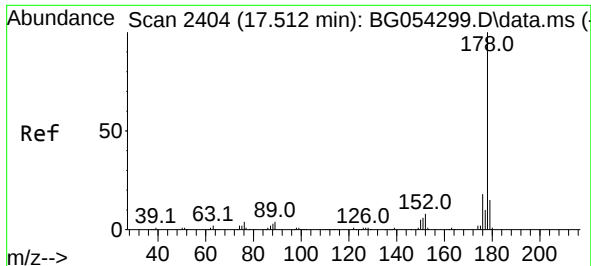
Tgt Ion:188 Resp: 187448
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 5.3 6.8 10.2#



#71
Phenanthrene
Concen: 14.338 ng
RT: 17.396 min Scan# 2452
Delta R.T. -0.008 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:178 Resp: 133841
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.9 12.1 18.1

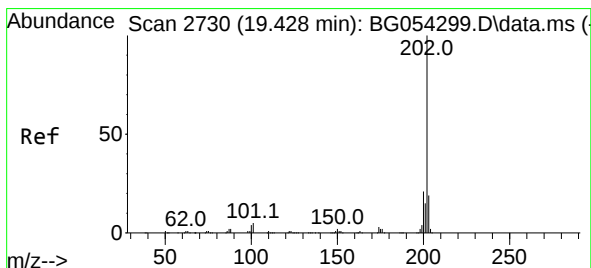
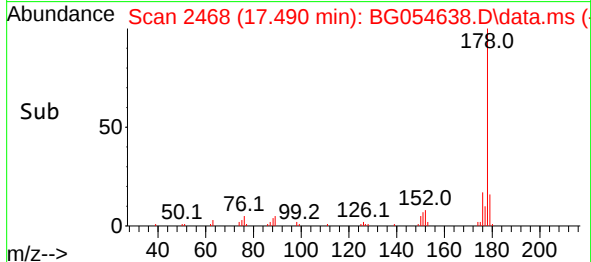
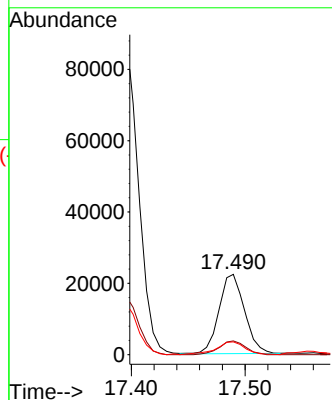
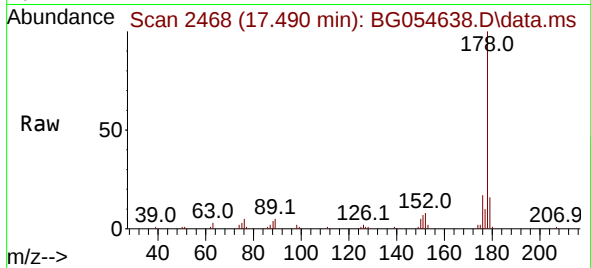




#72
 Anthracene
 Concen: 3.798 ng
 RT: 17.490 min Scan# 2404
 Delta R.T. -0.002 min
 Lab File: BG054638.D
 Acq: 14 Aug 2022 18:44

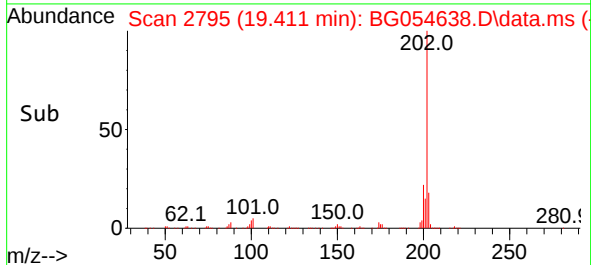
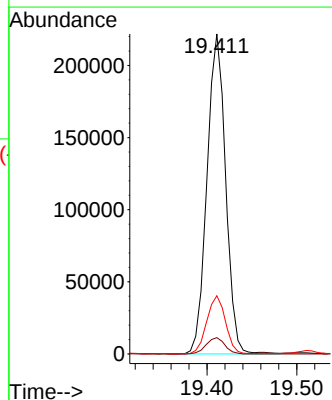
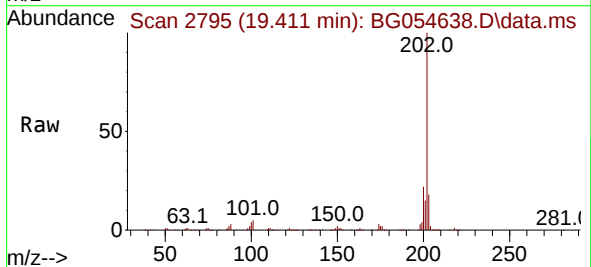
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-081022DL

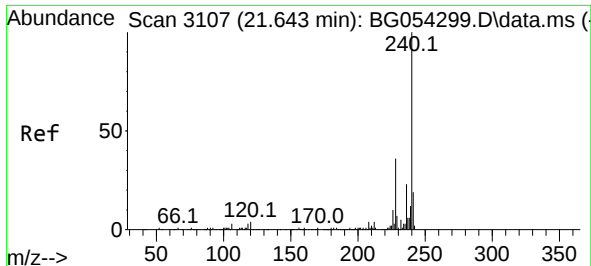
Tgt Ion:178 Resp: 34793
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.2 22.8
 179 15.9 13.0 19.4



#75
 Fluoranthene
 Concen: 25.186 ng
 RT: 19.411 min Scan# 2795
 Delta R.T. -0.002 min
 Lab File: BG054638.D
 Acq: 14 Aug 2022 18:44

Tgt Ion:202 Resp: 320487
 Ion Ratio Lower Upper
 202 100
 101 5.1 0.0 26.9
 203 18.2 0.0 37.2

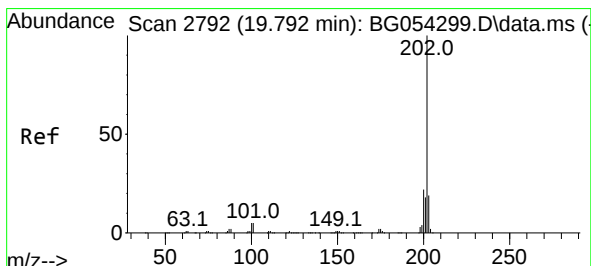
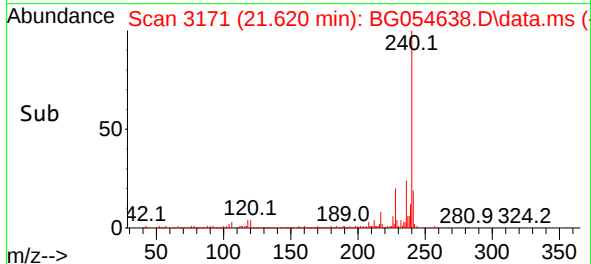
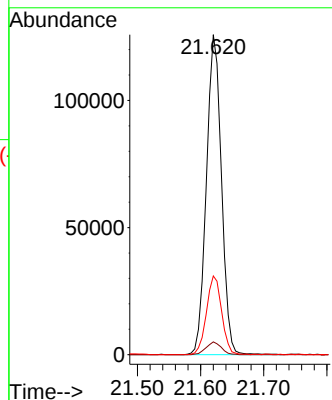
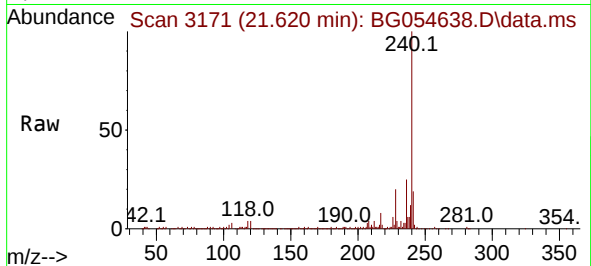




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.620 min Scan# 3107
Delta R.T. -0.008 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

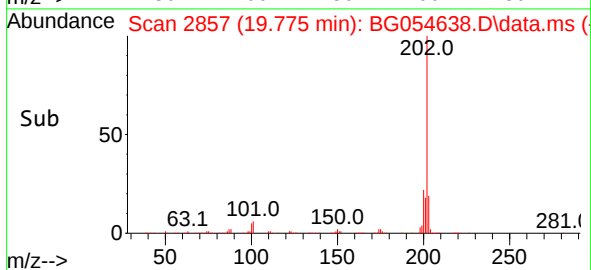
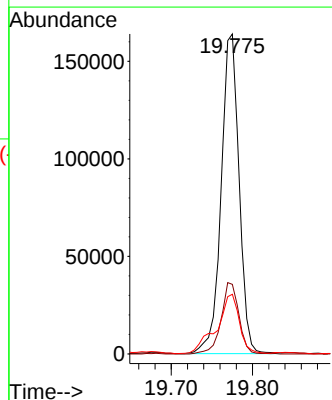
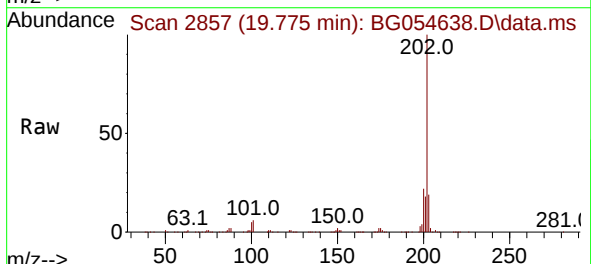
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

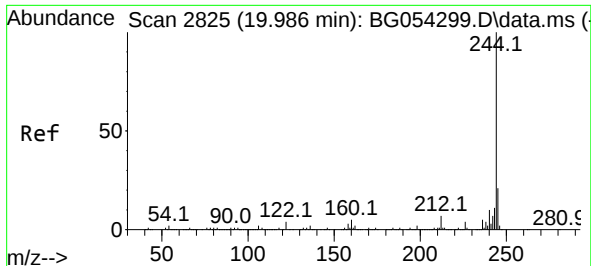
Tgt Ion:240 Resp: 207782
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.6 20.2 30.4



#78
Pyrene
Concen: 21.104 ng
RT: 19.775 min Scan# 2857
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:202 Resp: 251605
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 18.7 14.6 21.8

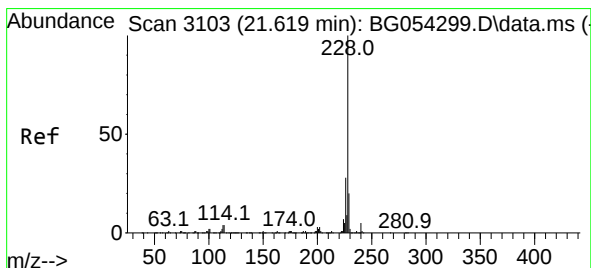
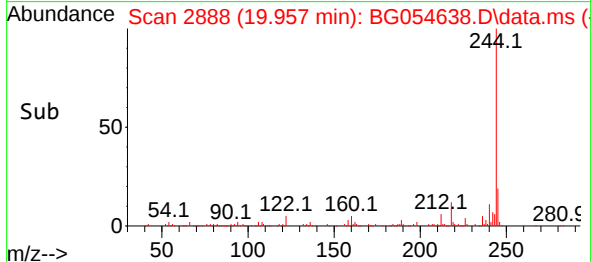
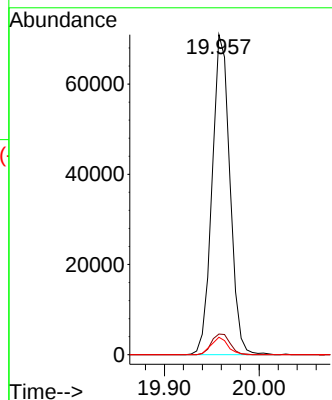
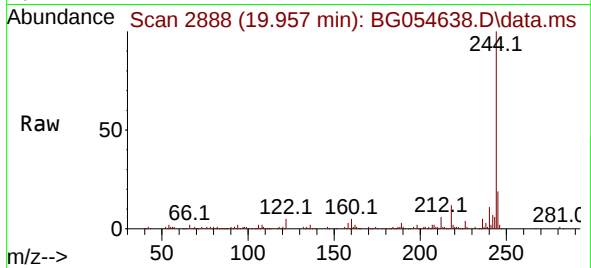




#79
 Terphenyl-d14
 Concen: 8.830 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG054638.D
 Acq: 14 Aug 2022 18:44

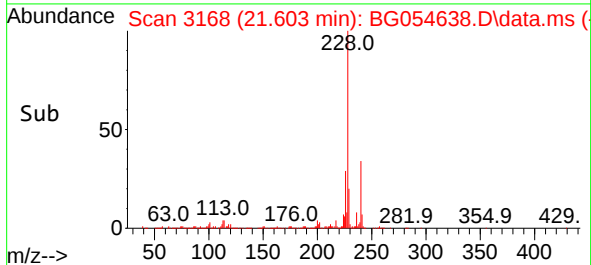
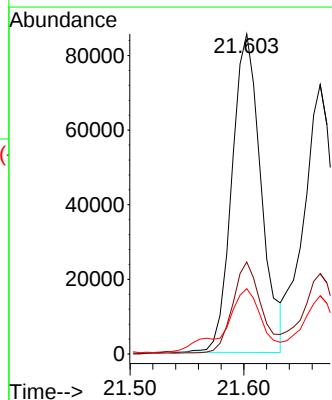
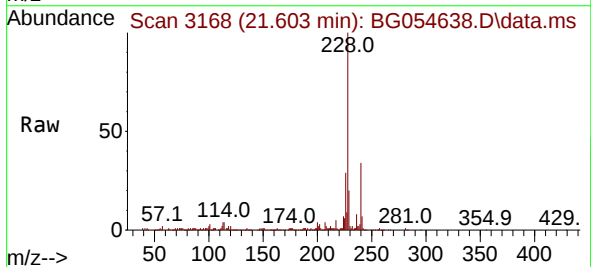
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-081022DL

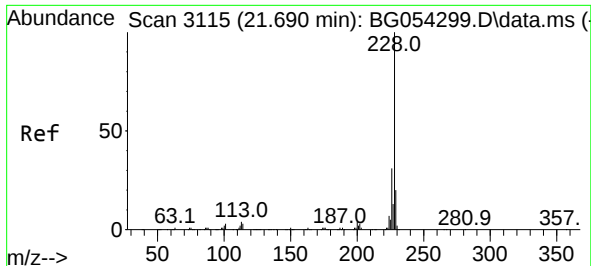
Tgt Ion:244 Resp: 92485
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7#
 122 5.5 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 11.522 ng
 RT: 21.603 min Scan# 3168
 Delta R.T. -0.002 min
 Lab File: BG054638.D
 Acq: 14 Aug 2022 18:44

Tgt Ion:228 Resp: 151976
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 20.4 16.2 24.2

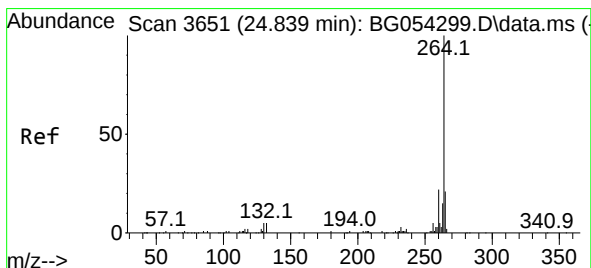
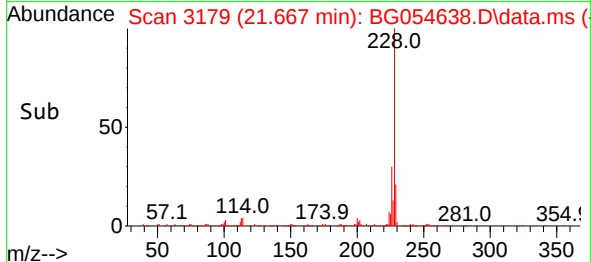
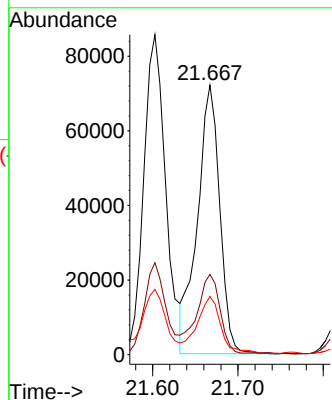
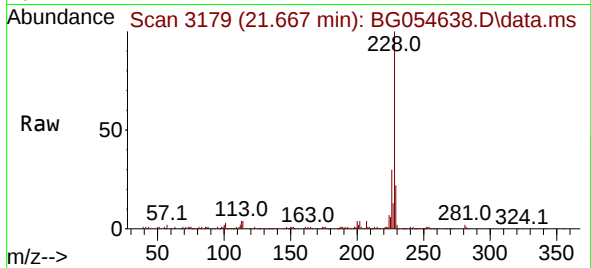




#83
Chrysene
Concen: 10.548 ng
RT: 21.667 min Scan# 3115
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

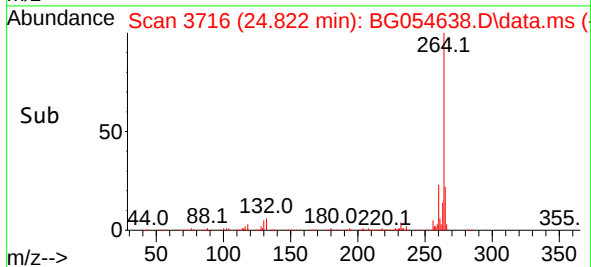
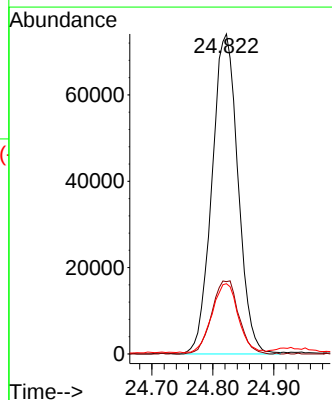
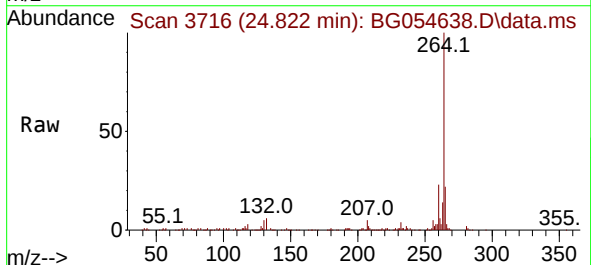
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

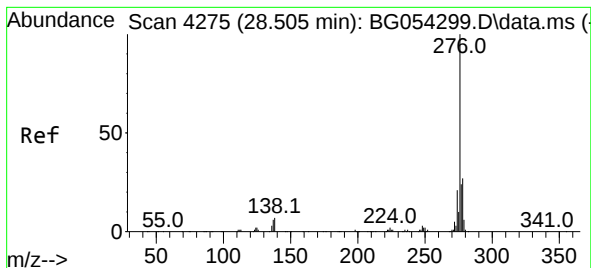
Tgt Ion:228 Resp: 131447
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 21.6 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.822 min Scan# 3716
Delta R.T. -0.002 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:264 Resp: 219986
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 22.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.989 ng

RT: 28.500 min Scan# 41

Delta R.T. -0.026 min

Lab File: BG054638.D

Acq: 14 Aug 2022 18:44

Instrument :

BNA_G

ClientSampleId :

CL-01-081022DL

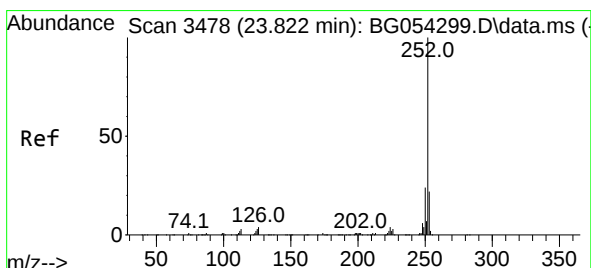
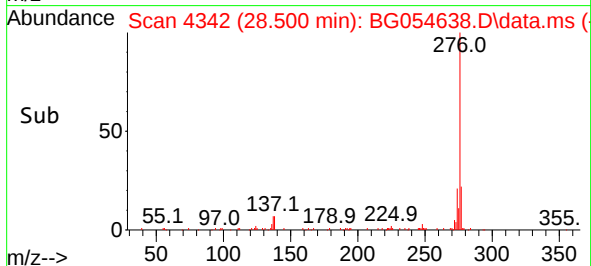
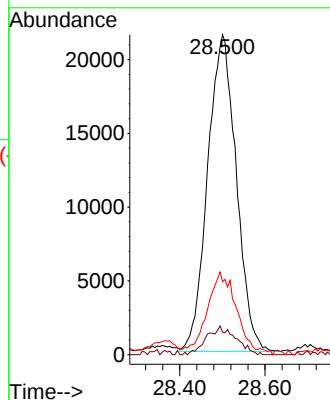
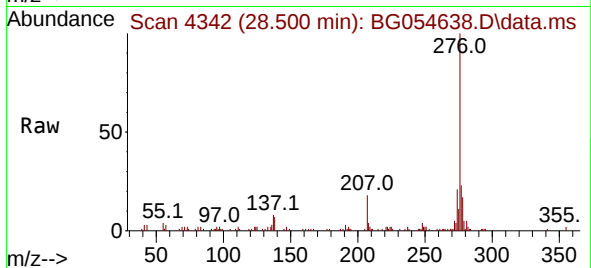
Tgt Ion:276 Resp: 100229

Ion Ratio Lower Upper

276 100

138 9.1 5.0 7.4#

277 23.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 14.559 ng

RT: 23.806 min Scan# 3543

Delta R.T. -0.002 min

Lab File: BG054638.D

Acq: 14 Aug 2022 18:44

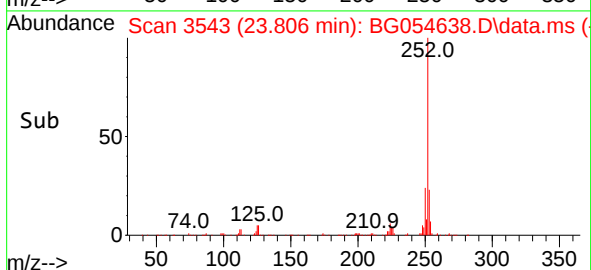
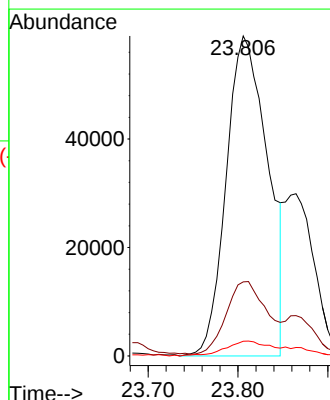
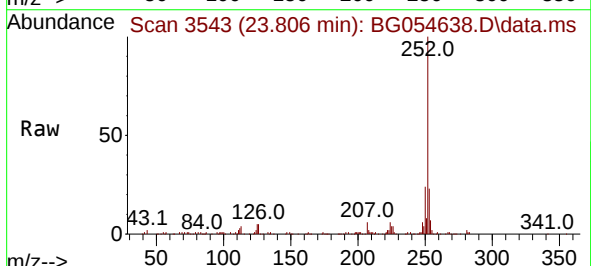
Tgt Ion:252 Resp: 189410

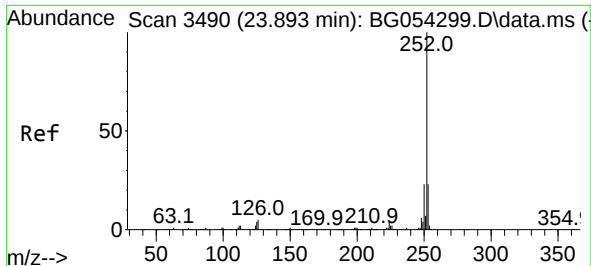
Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 4.6 4.6 6.8

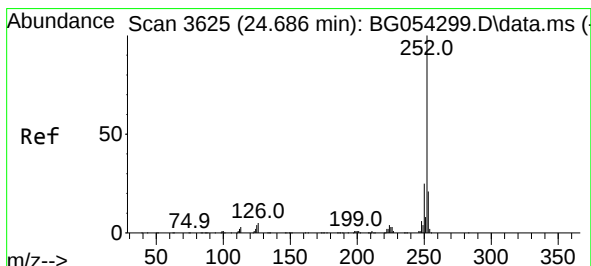
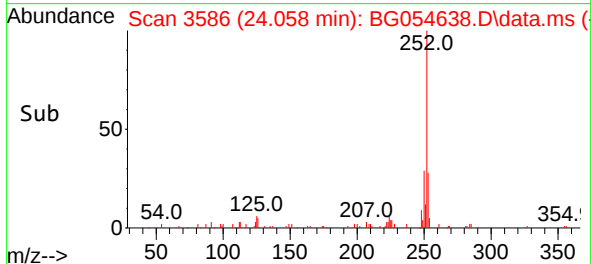
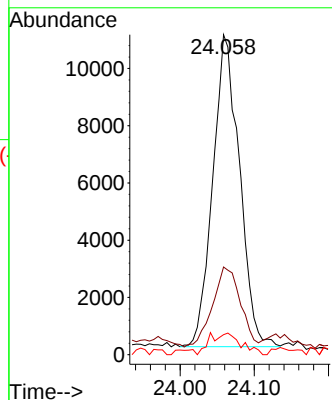
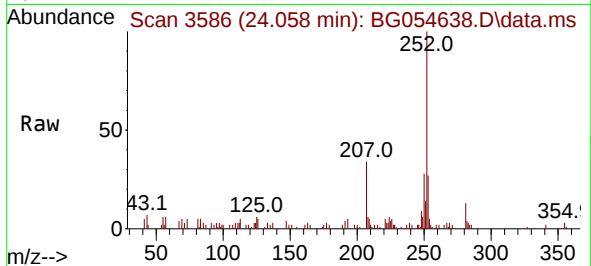




#89
Benzo(k)fluoranthene
Concen: 2.100 ng
RT: 24.058 min Scan# 31
Delta R.T. 0.180 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

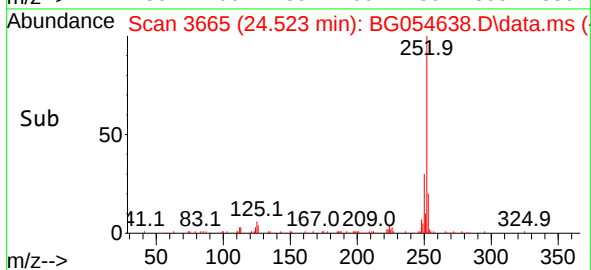
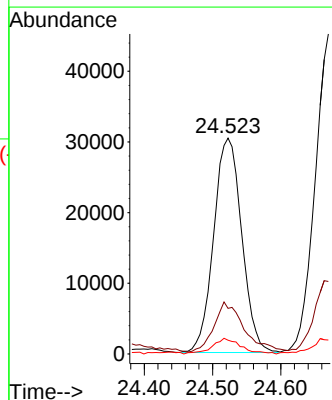
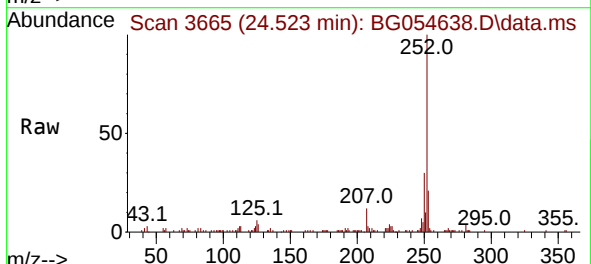
Instrument :
BNA_G
ClientSampleId :
CL-01-081022DL

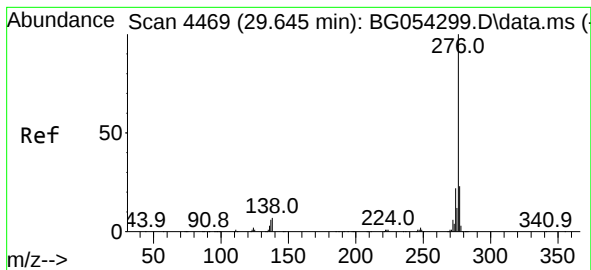
Tgt Ion:252 Resp: 27194
Ion Ratio Lower Upper
252 100
253 27.4 18.4 27.6
125 6.3 4.8 7.2



#90
Benzo(a)pyrene
Concen: 7.809 ng
RT: 24.523 min Scan# 3665
Delta R.T. -0.155 min
Lab File: BG054638.D
Acq: 14 Aug 2022 18:44

Tgt Ion:252 Resp: 86765
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 6.4 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 7.037 ng
 RT: 29.640 min Scan# 4
 Delta R.T. -0.020 min
 Lab File: BG054638.D
 Acq: 14 Aug 2022 18:44

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-081022DL

Tgt Ion:276 Resp: 95575
 Ion Ratio Lower Upper
 276 100
 277 27.9 17.3 25.9#
 138 8.8 9.6 14.4#

