

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054420.D
 Acq On : 27 Jul 2022 17:46
 Operator : CG/JU
 Sample : N3912-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 6601-S

Quant Time: Jul 28 04:34:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

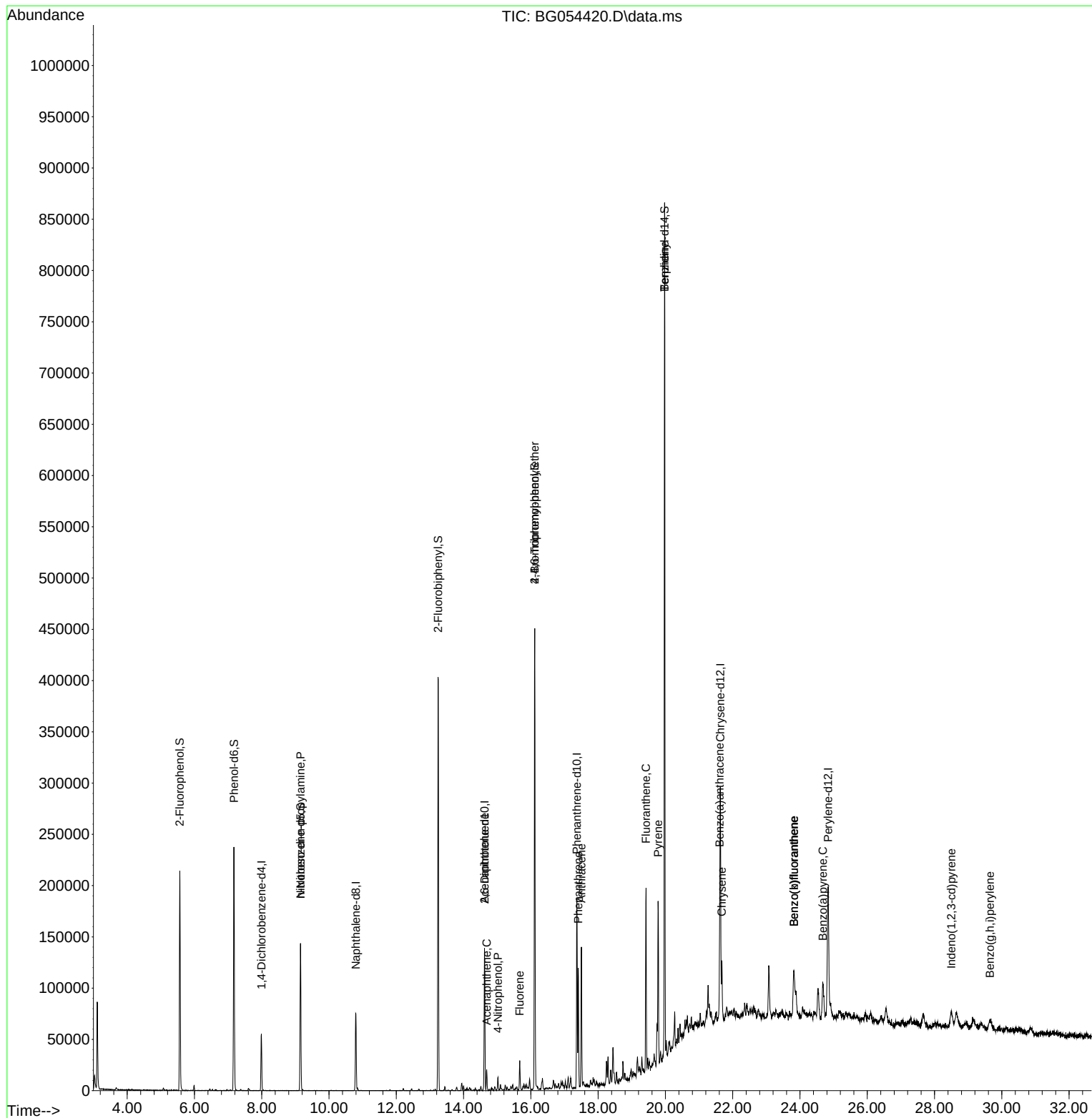
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	17714	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	69609	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	54114	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	131394	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	147052	20.000	ng	# 0.00
86) Perylene-d12	24.834	264	161846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	96337	113.549	ng	0.00
7) Phenol-d6	7.172	99	132112	113.640	ng	0.00
23) Nitrobenzene-d5	9.152	82	89343	69.895	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	118859	104.612	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	242384	63.187	ng	0.00
79) Terphenyl-d14	19.974	244	465325	62.775	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.172	77	248	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.152	70	12786	16.470	ng	# 81
51) 2,6-Dinitrotoluene	14.622	165	7705	8.311	ng	# 16
52) Acenaphthene	14.687	154	8813	3.161	ng	94
56) 4-Nitrophenol	15.021	139	2218	4.288	ng	# 1
58) Fluorene	15.668	166	14055	3.446	ng	92
67) 4-Bromophenyl-phenylether	16.114	248	7128	3.863	ng	# 1
71) Phenanthrene	17.407	178	81812	12.503	ng	98
72) Anthracene	17.501	178	102934	16.031	ng	97
75) Fluoranthene	19.422	202	123052	13.796	ng	97
77) Benzidine	19.974	184	6551	2.460	ng	# 94
78) Pyrene	19.781	202	112322	13.312	ng	96
81) Benzo(a)anthracene	21.614	228	47595	5.099	ng	95
83) Chrysene	21.678	228	48598	5.510	ng	94
87) Indeno(1,2,3-cd)pyrene	28.500	276	31499	2.558	ng	# 72
88) Benzo(b)fluoranthene	23.823	252	63791	6.665	ng	96
89) Benzo(k)fluoranthene	23.823	252	63791	6.697	ng	97
90) Benzo(a)pyrene	24.681	252	44280	5.417	ng	95
92) Benzo(g,h,i)perylene	29.645	276	32601	3.263	ng	# 89

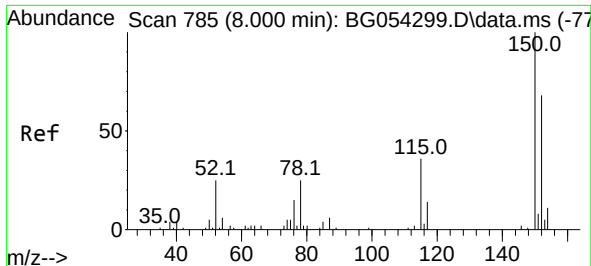
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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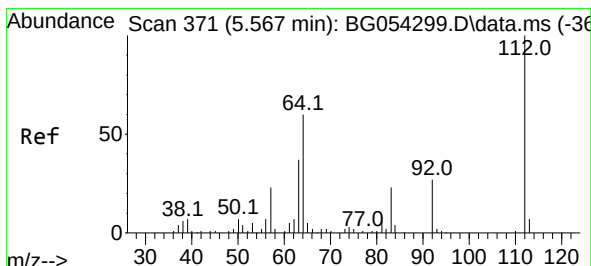
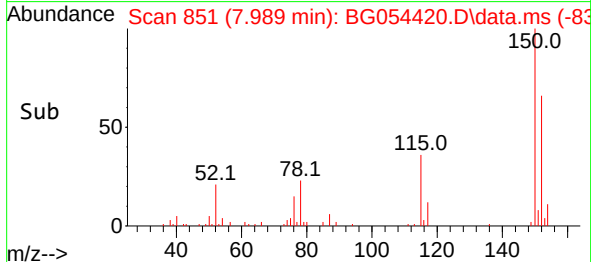
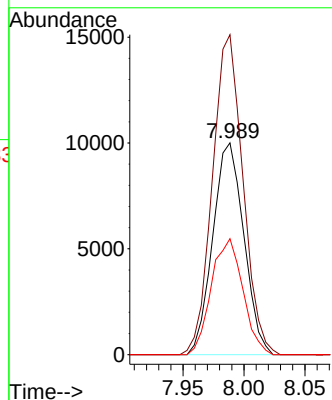
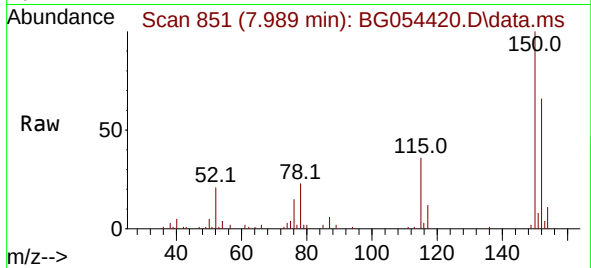




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

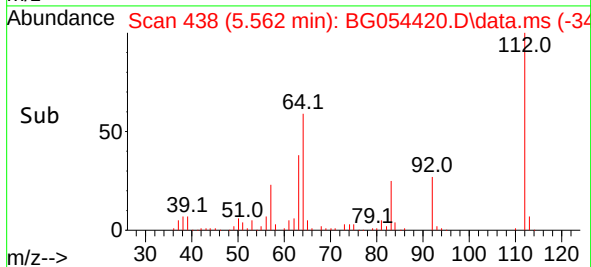
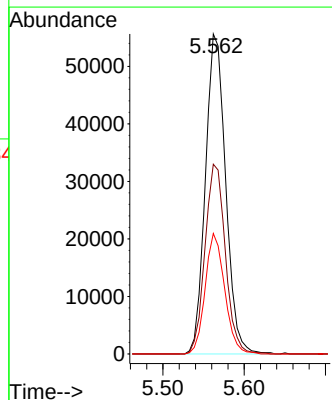
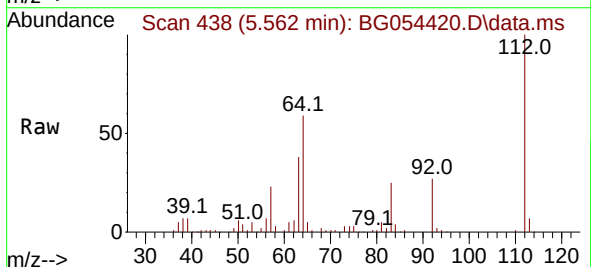
Instrument :
BNA_G
ClientSampleId :
6601-S

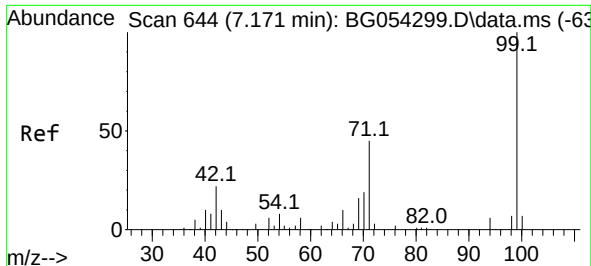
Tgt Ion:152 Resp: 17714
Ion Ratio Lower Upper
152 100
150 151.1 131.6 197.4
115 54.8 50.9 76.3



#5
2-Fluorophenol
Concen: 113.549 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:112 Resp: 96337
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 37.7 30.4 45.6

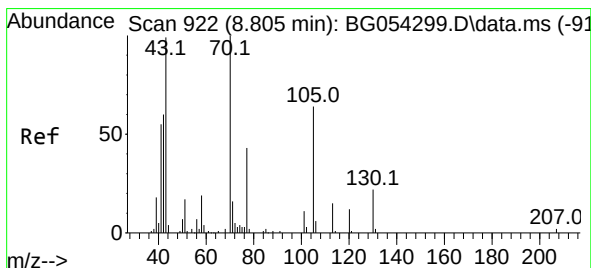
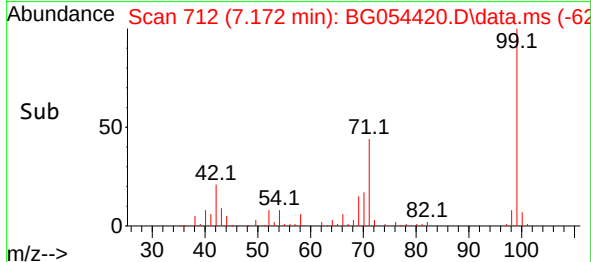
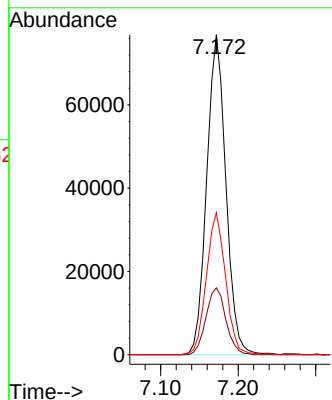
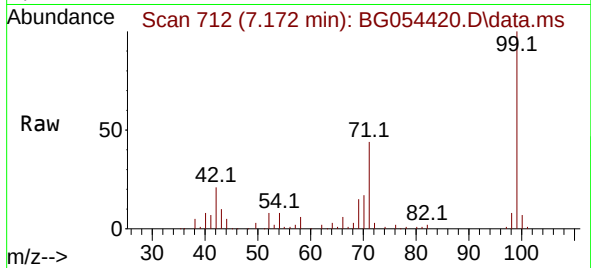




#7
Phenol-d6
Concen: 113.640 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

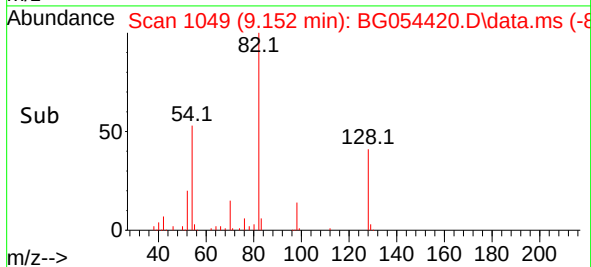
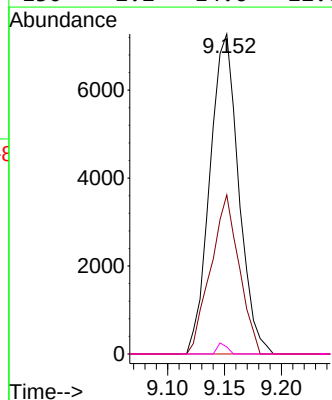
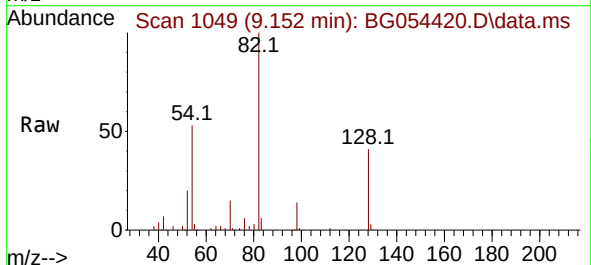
Instrument :
BNA_G
ClientSampleId :
6601-S

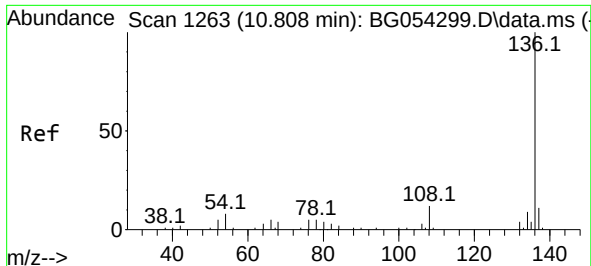
Tgt Ion: 99 Resp: 132112
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 44.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.470 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.359 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion: 70 Resp: 12786
Ion Ratio Lower Upper
70 100
42 49.7 47.3 70.9
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#

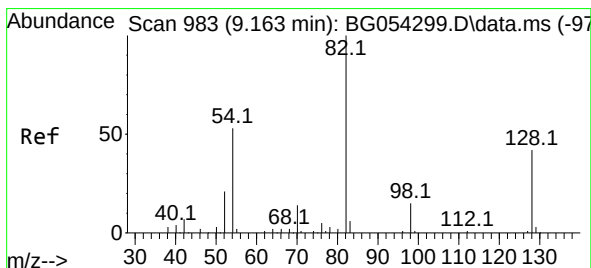
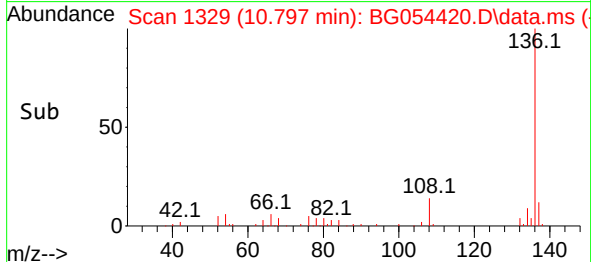
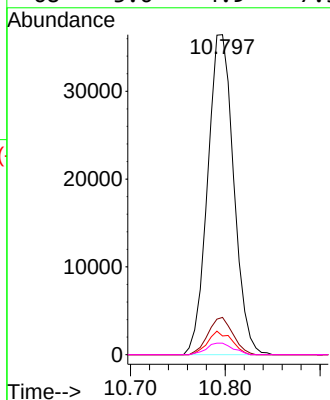
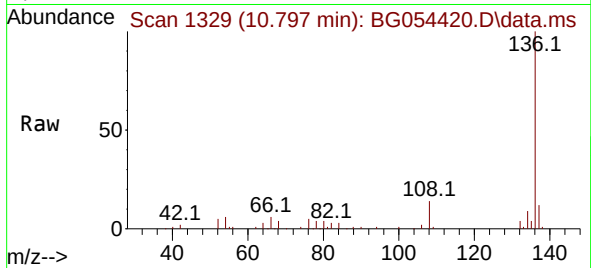




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

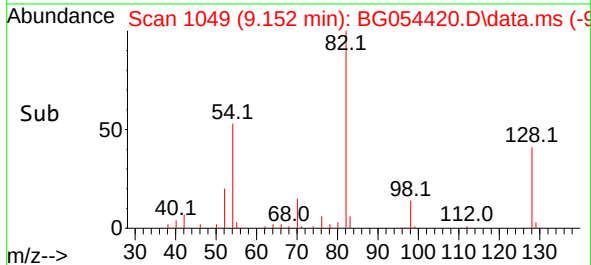
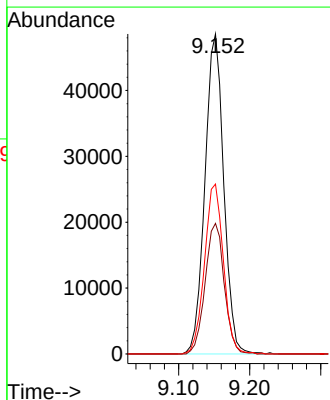
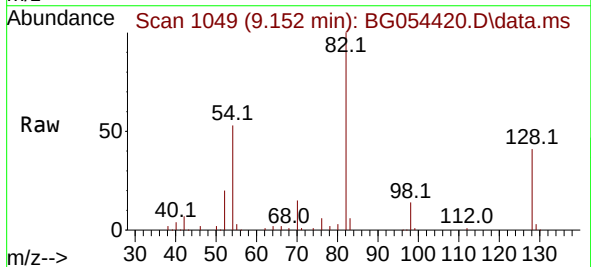
Instrument :
BNA_G
ClientSampleId :
6601-S

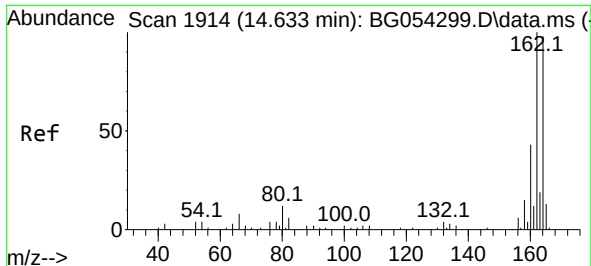
Tgt Ion:	136	Resp:	69609
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	5.9	7.4	11.2#
68	3.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 69.895 ng
RT: 9.152 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:	82	Resp:	89343
Ion Ratio	Lower	Upper	
82	100		
128	40.8	27.9	41.9
54	53.1	41.2	61.8

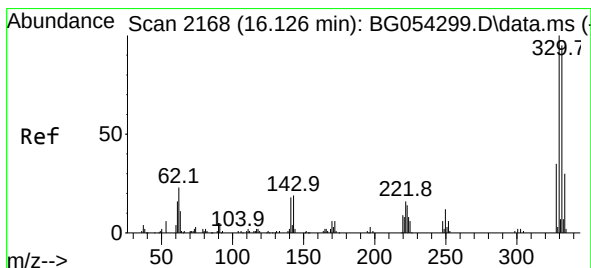
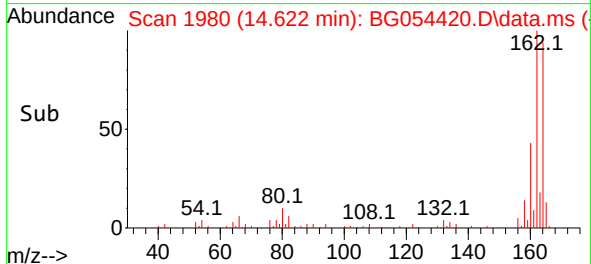
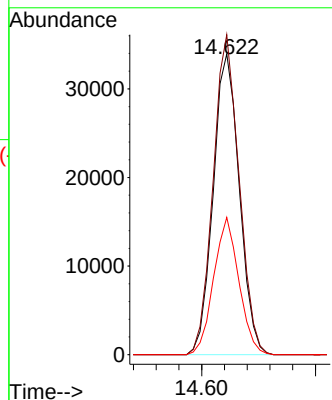
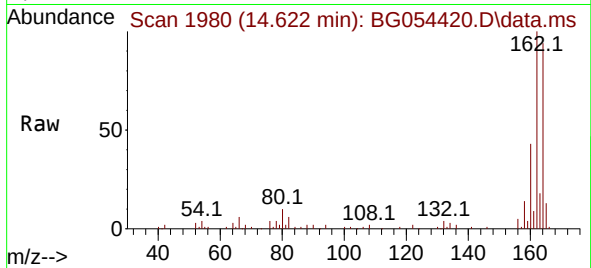




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

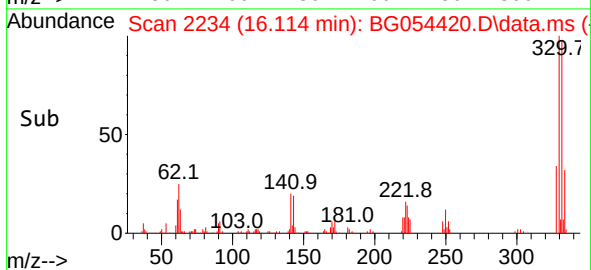
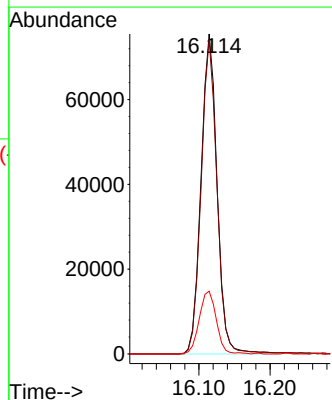
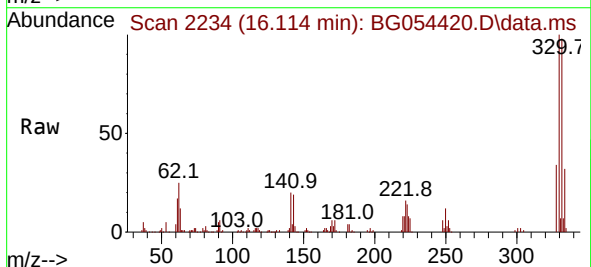
Instrument :
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ClientSampleId :
6601-S

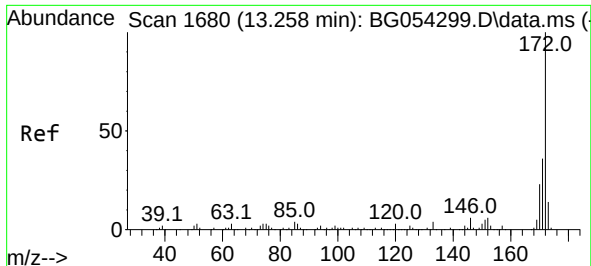
Tgt Ion:164 Resp: 54114
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 45.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 104.612 ng
RT: 16.114 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:330 Resp: 118859
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 20.8 27.1 40.7#

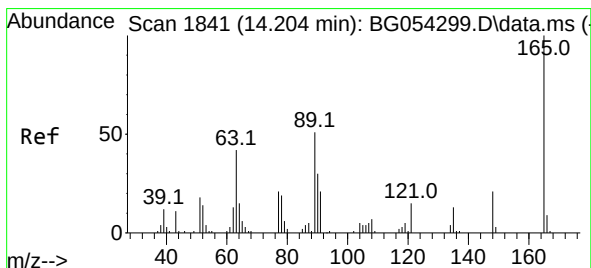
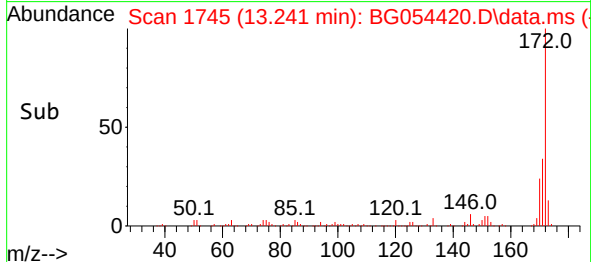
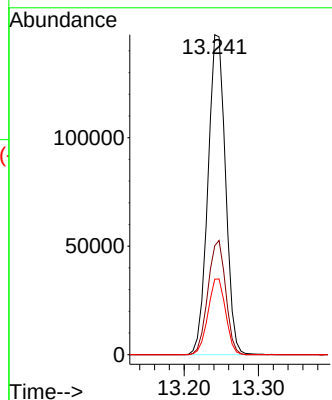
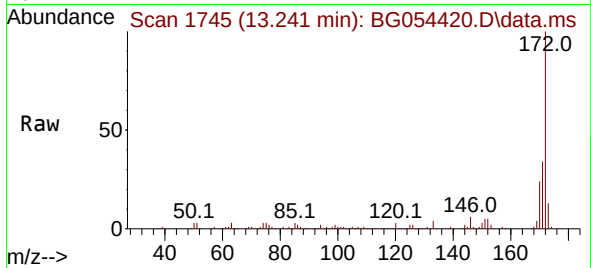




#45
2-Fluorobiphenyl
Concen: 63.187 ng
RT: 13.241 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

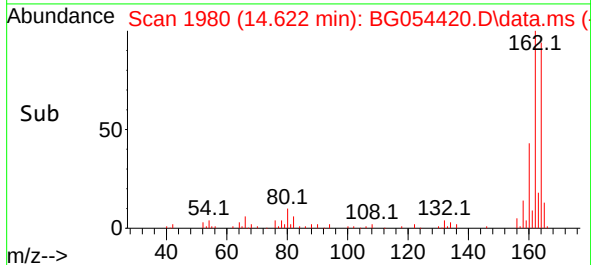
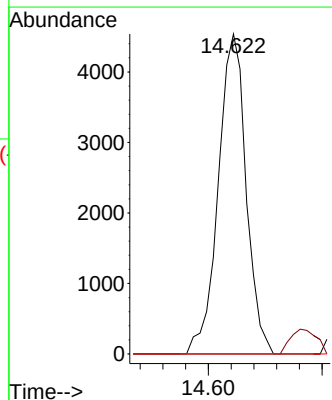
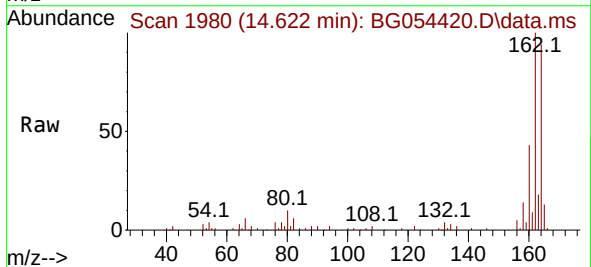
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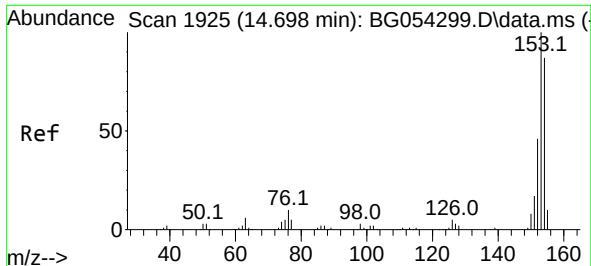
Tgt Ion:172 Resp: 242384
Ion Ratio Lower Upper
172 100
171 34.0 28.5 42.7
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.311 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:165 Resp: 7705
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

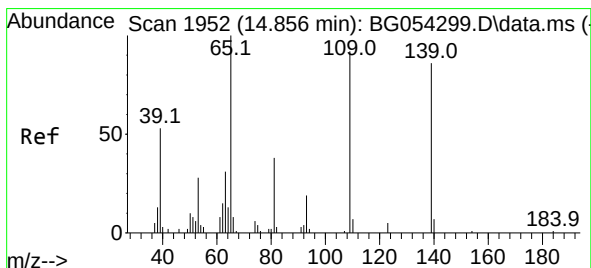
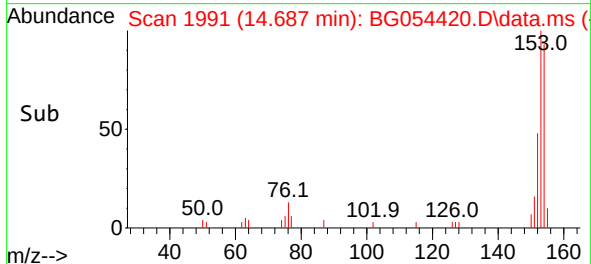
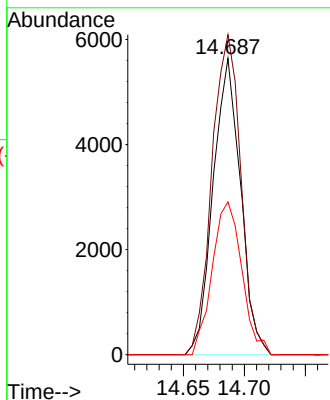
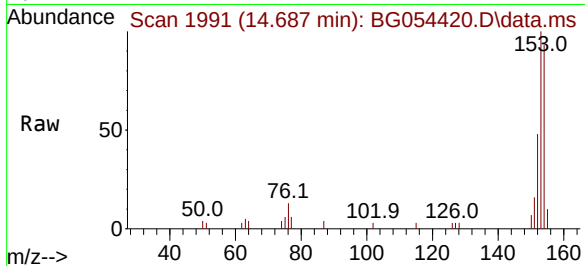




#52
Acenaphthene
Concen: 3.161 ng
RT: 14.687 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

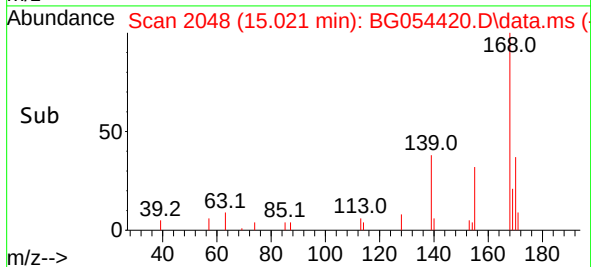
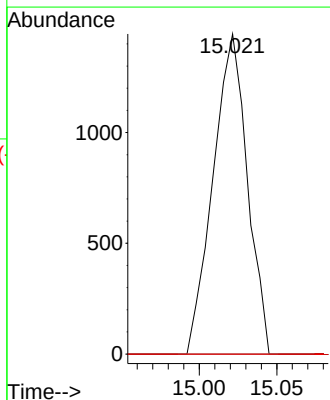
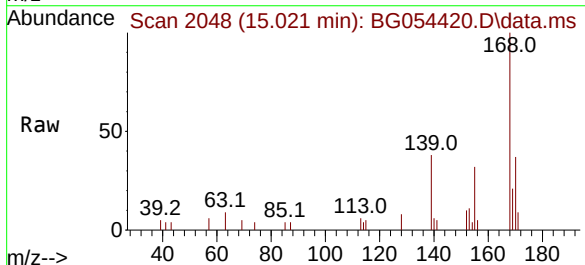
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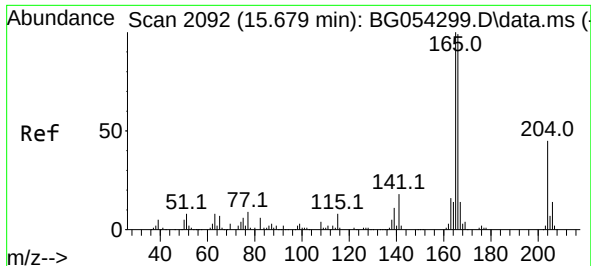
Tgt Ion:154 Resp: 8813
Ion Ratio Lower Upper
154 100
153 108.0 92.7 139.1
152 51.5 42.6 64.0



#56
4-Nitrophenol
Concen: 4.288 ng
RT: 15.021 min Scan# 2048
Delta R.T. 0.141 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:139 Resp: 2218
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

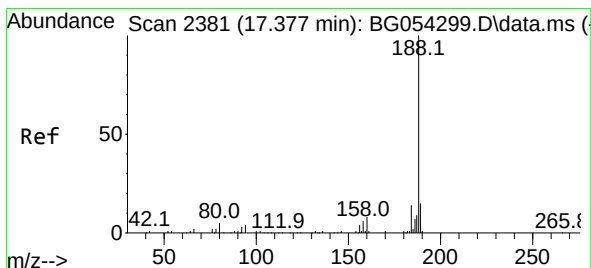
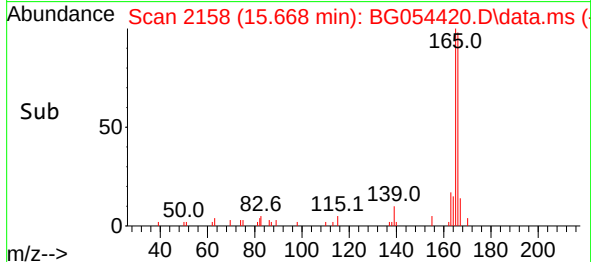
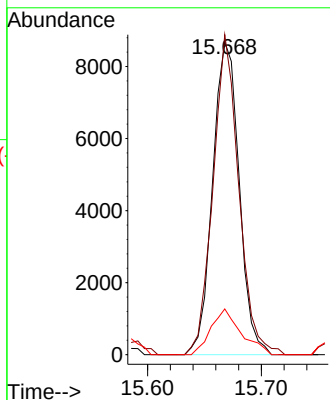
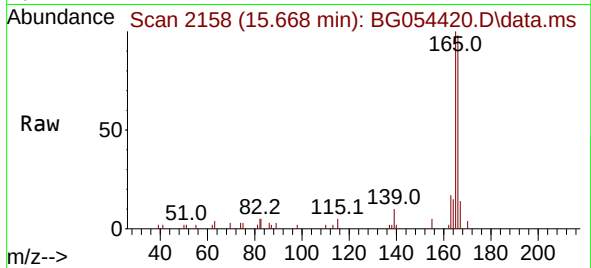




#58
 Fluorene
 Concen: 3.446 ng
 RT: 15.668 min Scan# 2115
 Delta R.T. -0.006 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

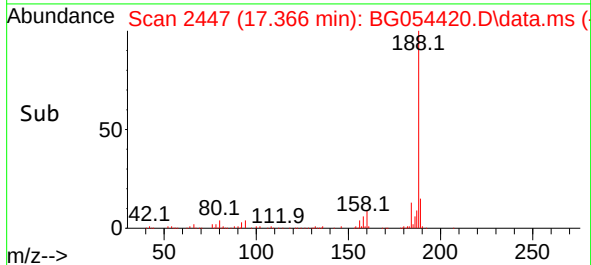
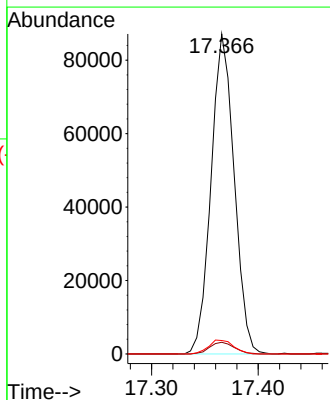
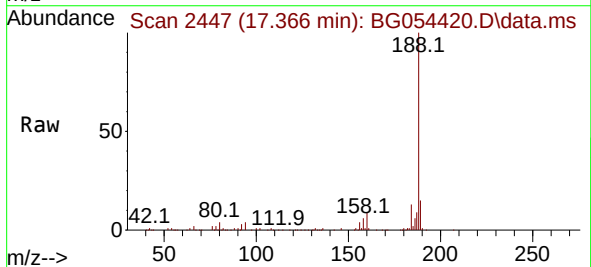
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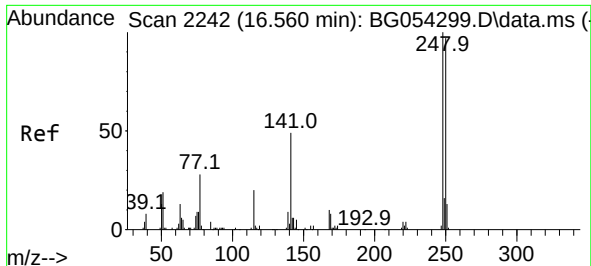
Tgt Ion:166 Resp: 14055
 Ion Ratio Lower Upper
 166 100
 165 102.3 75.0 112.6
 167 14.6 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.366 min Scan# 2447
 Delta R.T. -0.006 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

Tgt Ion:188 Resp: 131394
 Ion Ratio Lower Upper
 188 100
 94 3.7 5.4 8.0#
 80 4.2 6.8 10.2#





#67

4-Bromophenyl-phenylether

Concen: 3.863 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.440 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

Instrument :

BNA_G

ClientSampleId :

6601-S

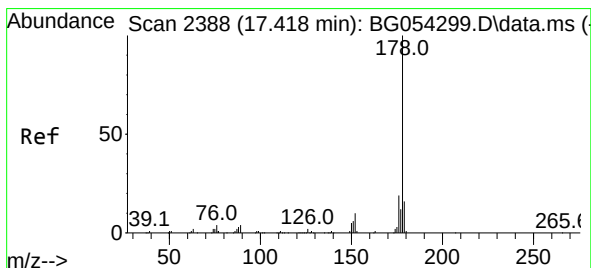
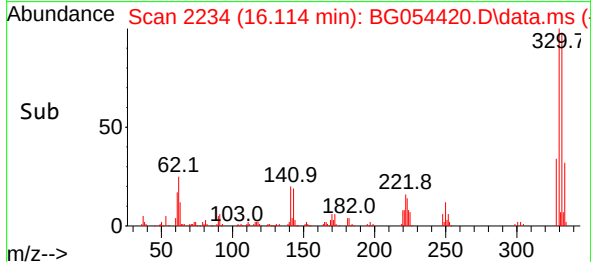
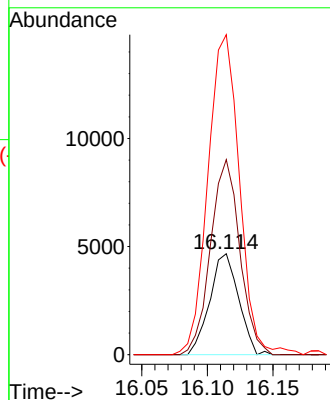
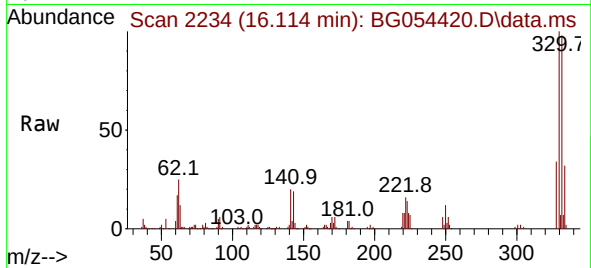
Tgt Ion:248 Resp: 7128

Ion Ratio Lower Upper

248 100

250 193.3 75.2 112.8#

141 317.1 50.0 75.0#



#71

Phenanthrene

Concen: 12.503 ng

RT: 17.407 min Scan# 2454

Delta R.T. -0.006 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

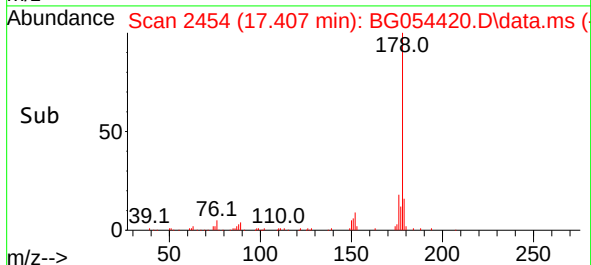
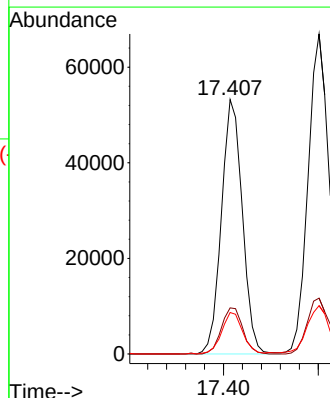
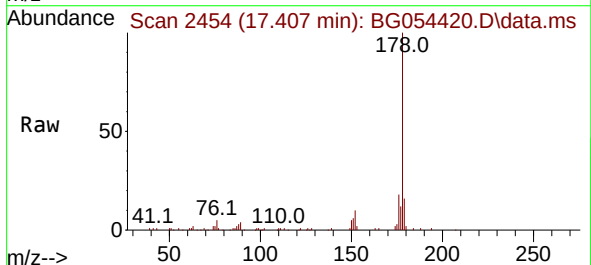
Tgt Ion:178 Resp: 81812

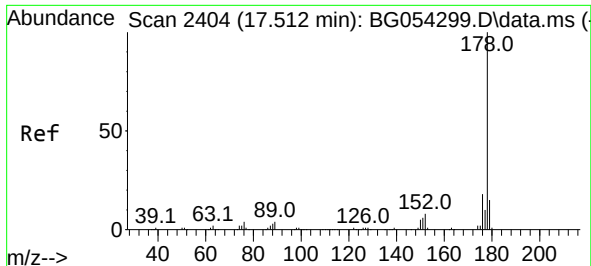
Ion Ratio Lower Upper

178 100

176 18.1 14.1 21.1

179 16.3 12.1 18.1

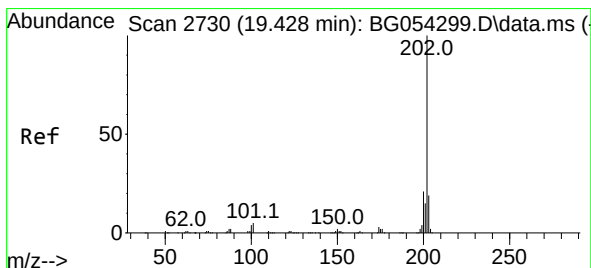
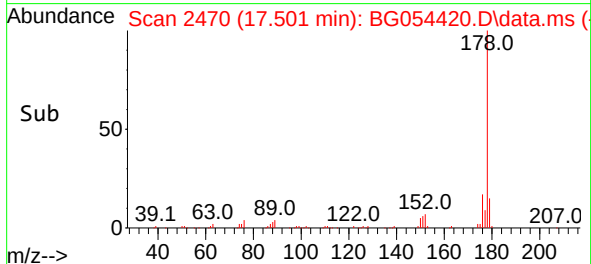
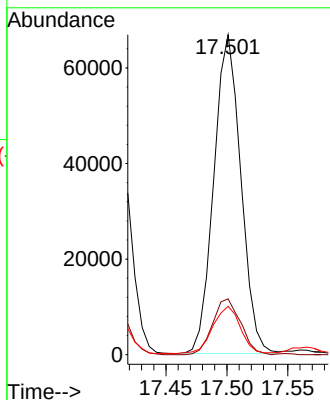
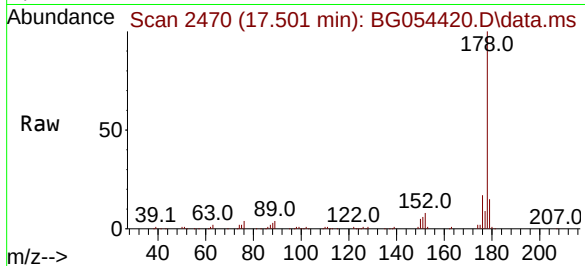




#72
 Anthracene
 Concen: 16.031 ng
 RT: 17.501 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

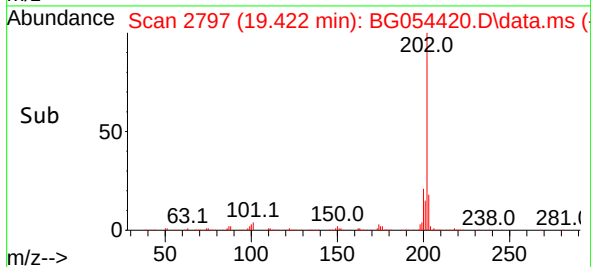
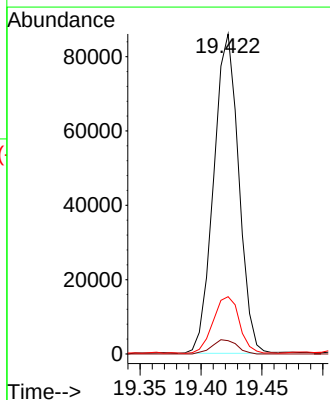
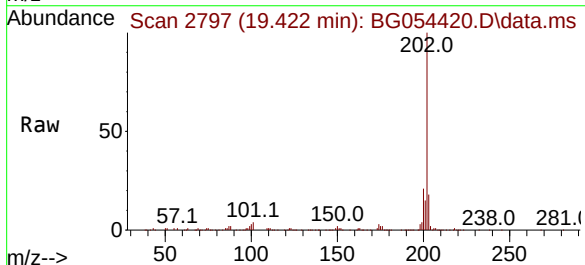
Instrument :
 BNA_G
 ClientSampleId :
 6601-S

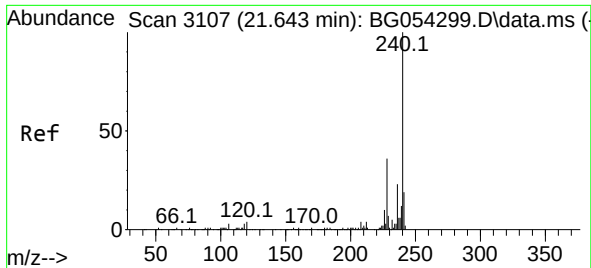
Tgt Ion:178 Resp: 102934
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.2 22.8
 179 15.1 13.0 19.4



#75
 Fluoranthene
 Concen: 13.796 ng
 RT: 19.422 min Scan# 2797
 Delta R.T. 0.000 min
 Lab File: BG054420.D
 Acq: 27 Jul 2022 17:46

Tgt Ion:202 Resp: 123052
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 17.9 0.0 37.2

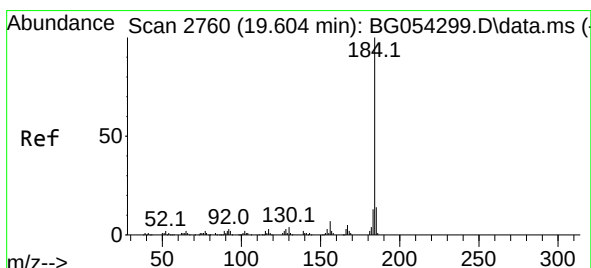
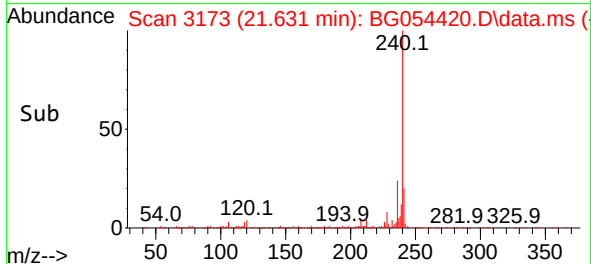
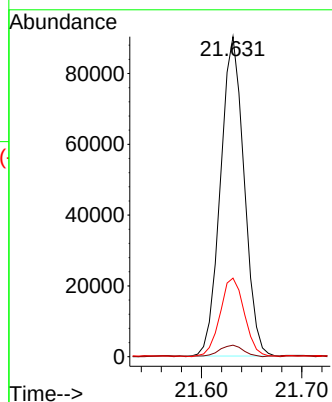
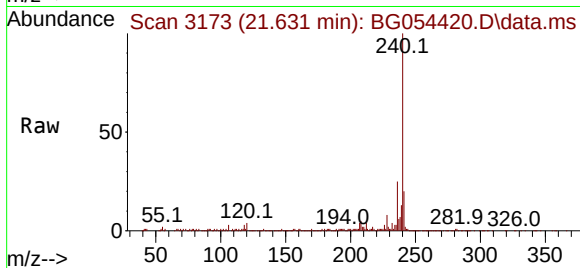




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

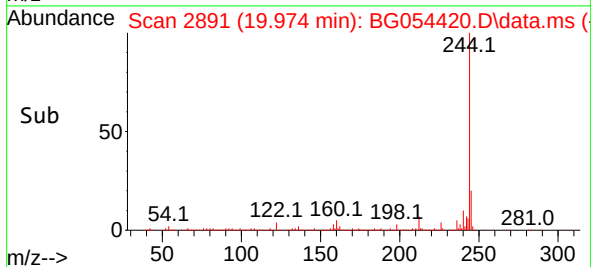
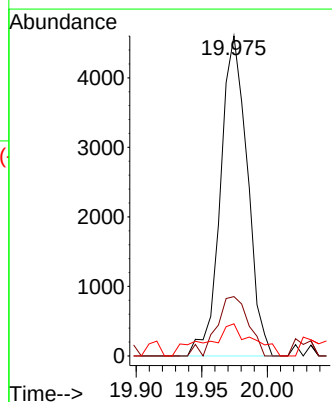
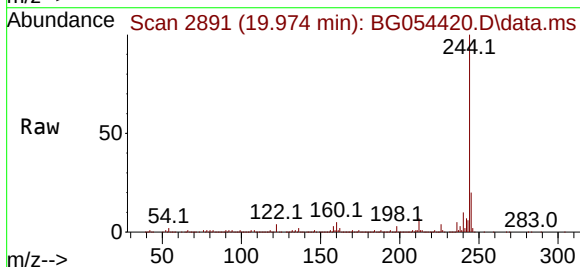
Instrument :
BNA_G
ClientSampleId :
6601-S

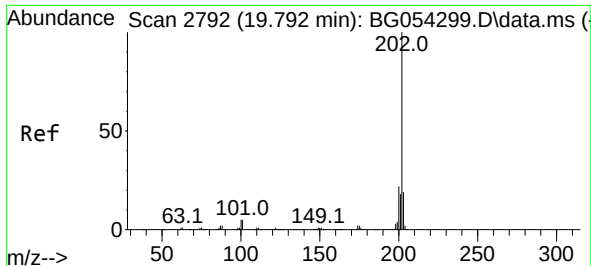
Tgt Ion:240 Resp: 147052
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.5 20.2 30.4



#77
Benzidine
Concen: 2.460 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:184 Resp: 6551
Ion Ratio Lower Upper
184 100
185 18.6 11.8 17.6#
183 10.1 8.9 13.3

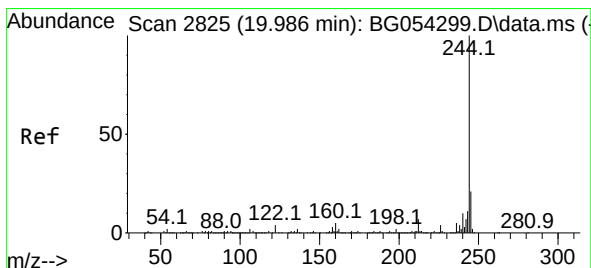
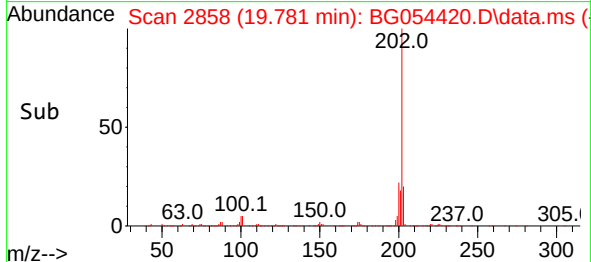
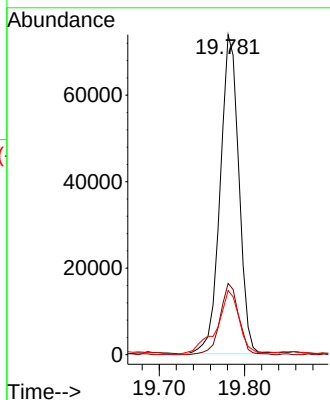
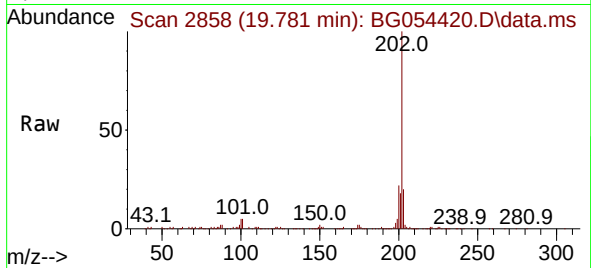




#78
Pyrene
Concen: 13.312 ng
RT: 19.781 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

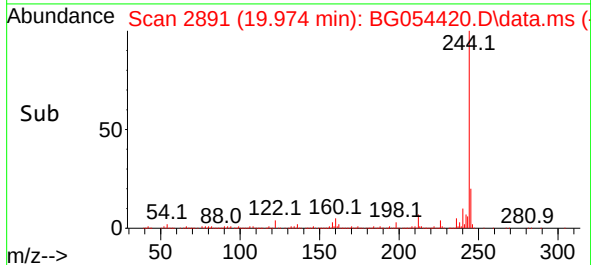
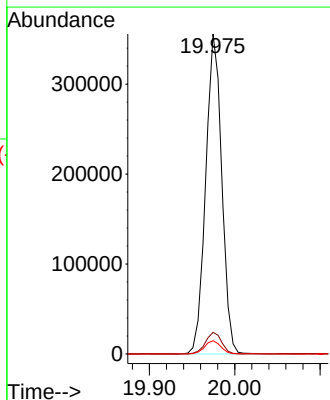
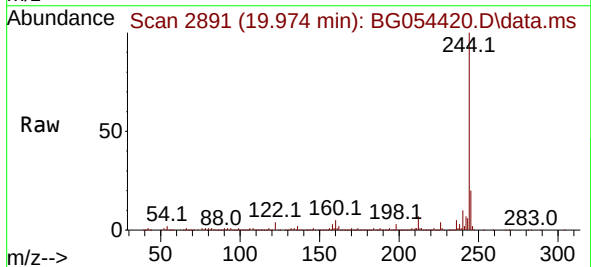
Instrument :
BNA_G
ClientSampleId :
6601-S

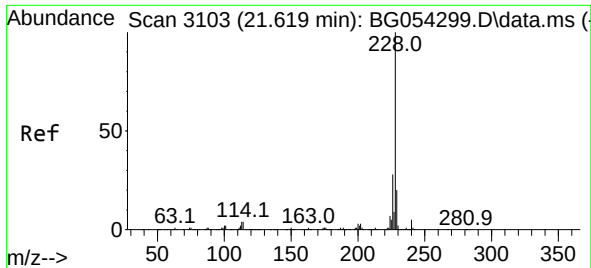
Tgt Ion:	202	Resp:	112322
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.6	24.8
203	20.1	14.6	21.8



#79
Terphenyl-d14
Concen: 62.775 ng
RT: 19.974 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:	244	Resp:	465325
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.5	9.7
122	4.2	5.0	7.4

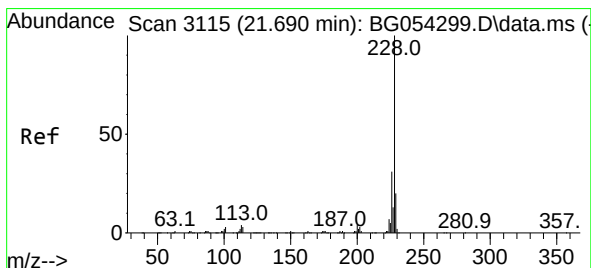
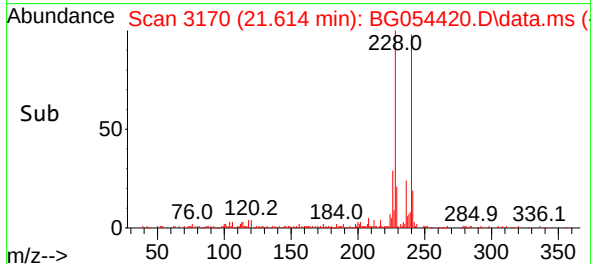
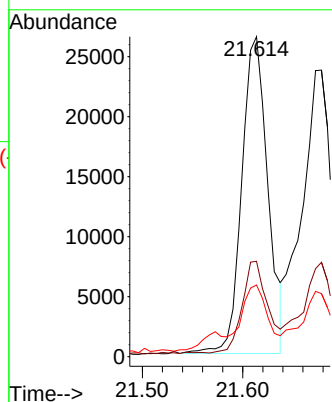
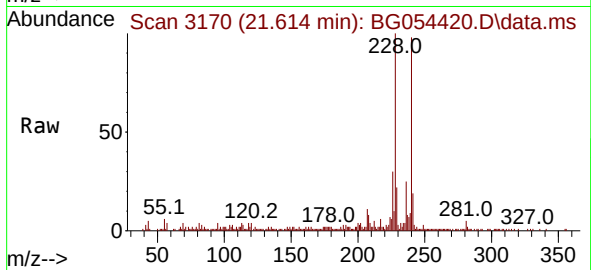




#81
Benzo(a)anthracene
Concen: 5.099 ng
RT: 21.614 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

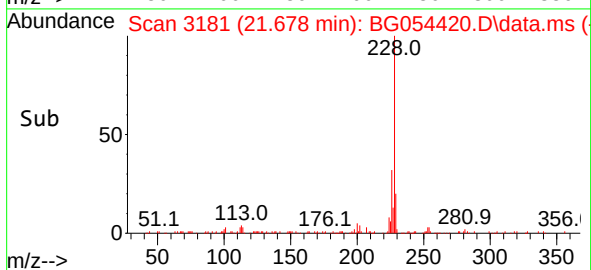
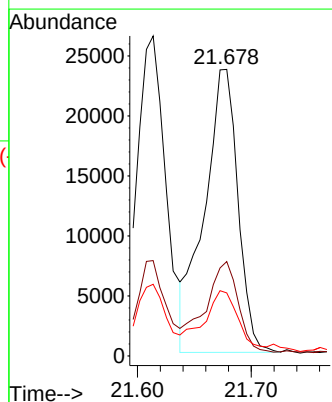
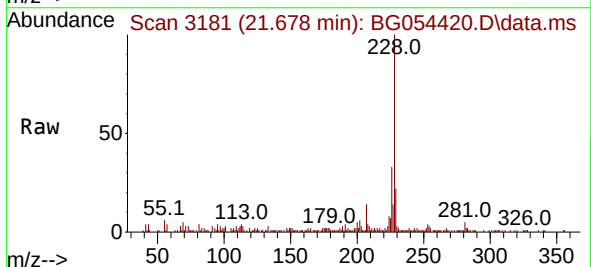
Instrument :
BNA_G
ClientSampleId :
6601-S

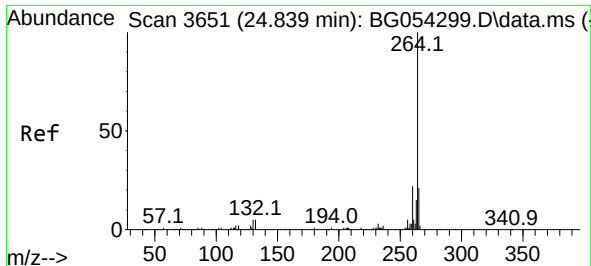
Tgt Ion:228 Resp: 47595
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 22.4 16.2 24.2



#83
Chrysene
Concen: 5.510 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:228 Resp: 48598
Ion Ratio Lower Upper
228 100
226 32.9 23.4 35.2
229 22.0 15.5 23.3



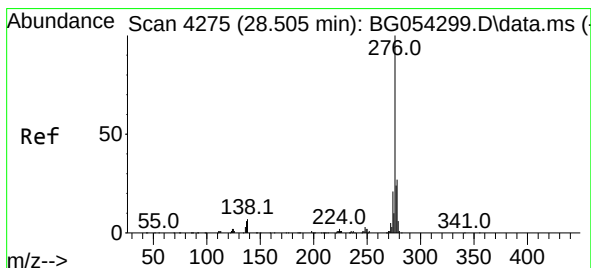
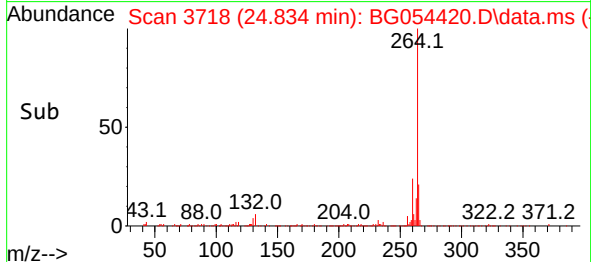
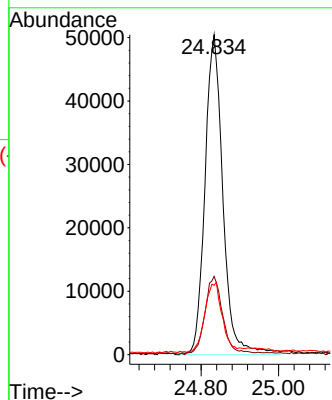
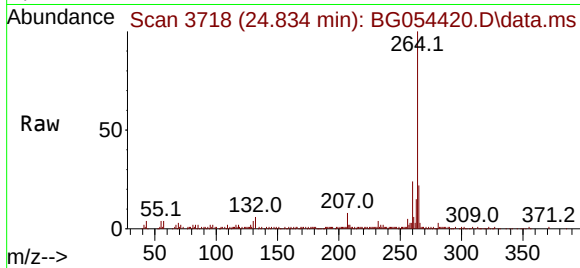


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.834 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Instrument :
BNA_G
ClientSampleId :
6601-S

Tgt Ion:264 Resp: 161846

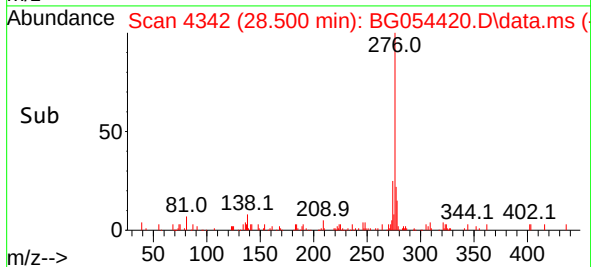
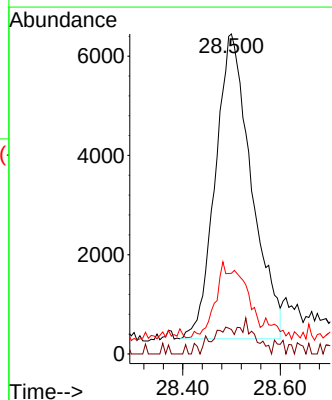
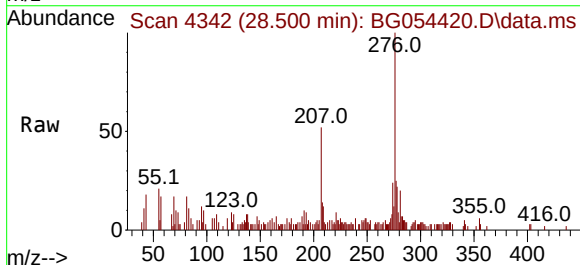
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	21.7	17.4	26.2

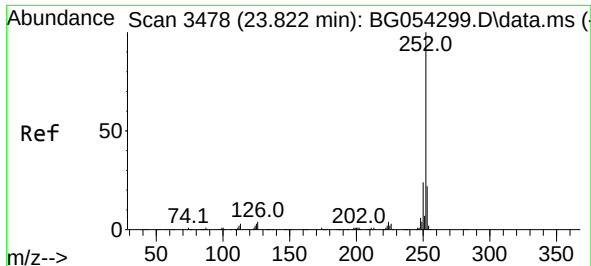


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.558 ng
RT: 28.500 min Scan# 4342
Delta R.T. -0.017 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:276 Resp: 31499

Ion	Ratio	Lower	Upper
276	100		
138	1.9	5.0	7.4#
277	9.3	20.3	30.5#

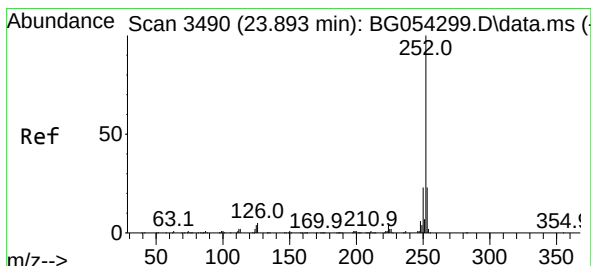
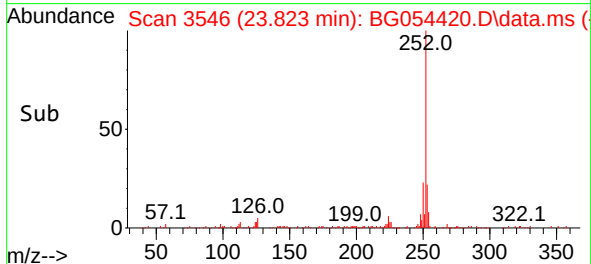
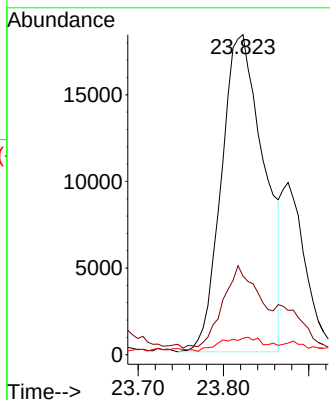
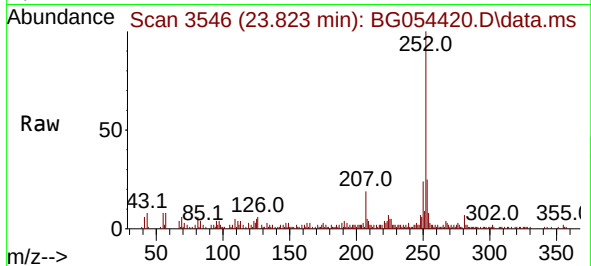




#88
Benzo(b)fluoranthene
Concen: 6.665 ng
RT: 23.823 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

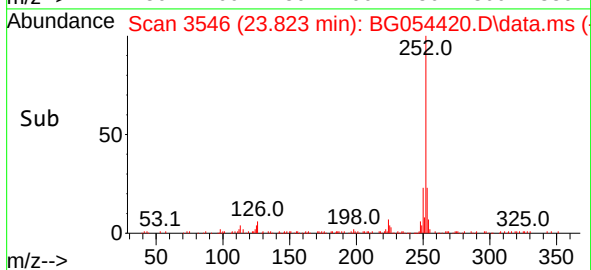
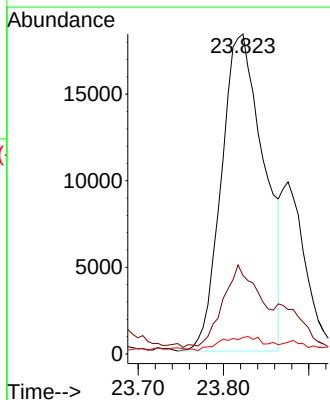
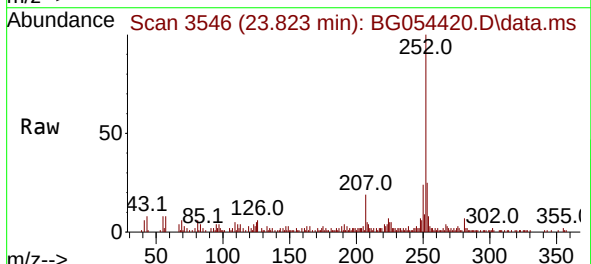
Instrument :
BNA_G
ClientSampleId :
6601-S

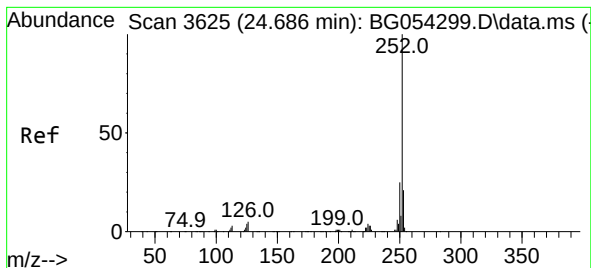
Tgt Ion:252 Resp: 63791
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 5.2 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 6.697 ng
RT: 23.823 min Scan# 3546
Delta R.T. -0.064 min
Lab File: BG054420.D
Acq: 27 Jul 2022 17:46

Tgt Ion:252 Resp: 63791
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 5.2 4.8 7.2





#90

Benzo(a)pyrene

Concen: 5.417 ng

RT: 24.681 min Scan# 30

Delta R.T. -0.006 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

Instrument :

BNA_G

ClientSampleId :

6601-S

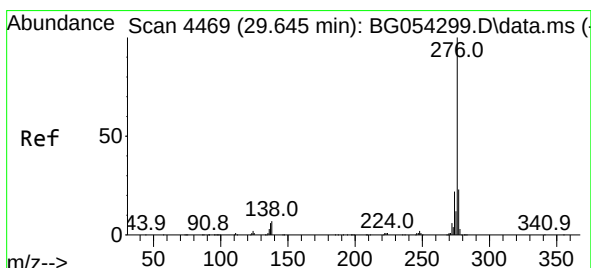
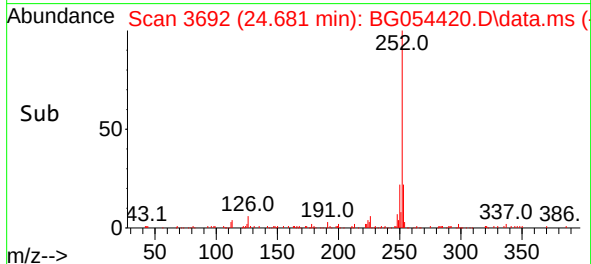
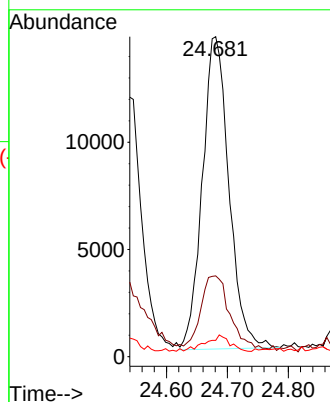
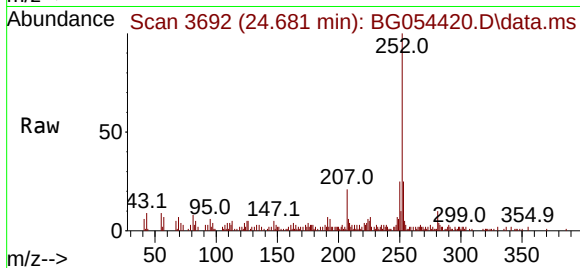
Tgt Ion:252 Resp: 44280

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

125 5.1 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 3.263 ng

RT: 29.645 min Scan# 4537

Delta R.T. -0.017 min

Lab File: BG054420.D

Acq: 27 Jul 2022 17:46

Tgt Ion:276 Resp: 32601

Ion Ratio Lower Upper

276 100

277 26.7 17.3 25.9#

138 7.9 9.6 14.4#

