

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054371.D
 Acq On : 22 Jul 2022 22:52
 Operator : CG/JU
 Sample : N3833-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122

Quant Time: Jul 23 00:13:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

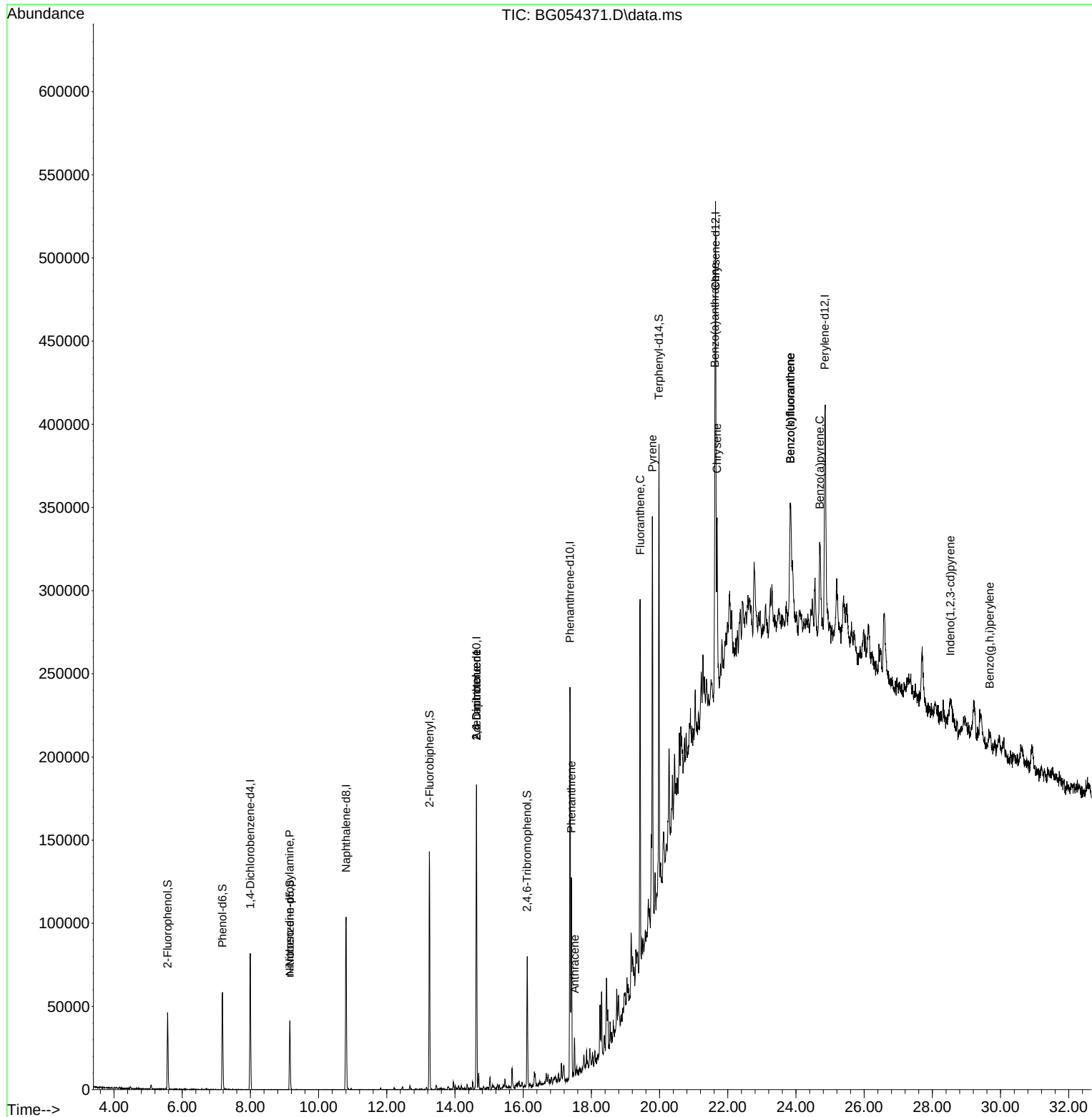
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.995	152	26408	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	98273	20.000	ng	# 0.00
39) Acenaphthene-d10	14.628	164	70550	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	167574	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	183964	20.000	ng	# 0.00
86) Perylene-d12	24.846	264	182667	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	21799	17.235	ng	0.00
7) Phenol-d6	7.178	99	35987	20.764	ng	0.00
23) Nitrobenzene-d5	9.158	82	26447	14.655	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	21444	14.477	ng	-0.01
45) 2-Fluorobiphenyl	13.248	172	84115	16.819	ng	-0.01
79) Terphenyl-d14	19.981	244	150640	16.244	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.152	70	3763	3.251	ng	# 84
51) 2,6-Dinitrotoluene	14.628	165	9934	8.219	ng	# 16
57) 2,4-Dinitrotoluene	14.628	165	9934	5.733	ng	# 21
71) Phenanthrene	17.413	178	83319	9.984	ng	98
72) Anthracene	17.507	178	17342	2.118	ng	96
75) Fluoranthene	19.429	202	158347	13.920	ng	96
78) Pyrene	19.787	202	162073	15.354	ng	98
81) Benzo(a)anthracene	21.620	228	84420	7.229	ng	# 90
83) Chrysene	21.685	228	85035	7.707	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.530	276	28176	2.028	ng	# 94
88) Benzo(b)fluoranthene	23.835	252	128228	11.870	ng	# 84
89) Benzo(k)fluoranthene	23.835	252	128228	11.927	ng	# 85
90) Benzo(a)pyrene	24.699	252	67809	7.350	ng	# 96
92) Benzo(g,h,i)perylene	29.681	276	28091	2.491	ng	# 92

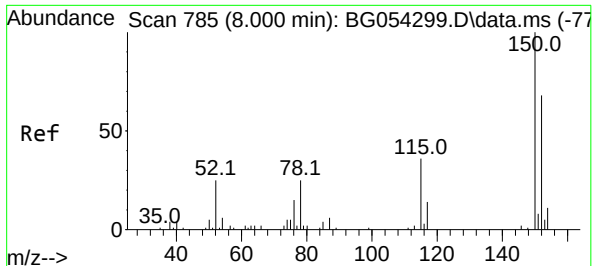
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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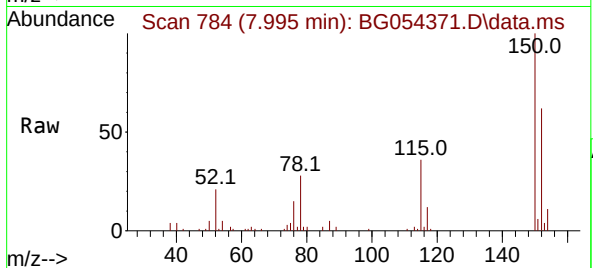
Quant Time: Jul 23 00:13:00 2022
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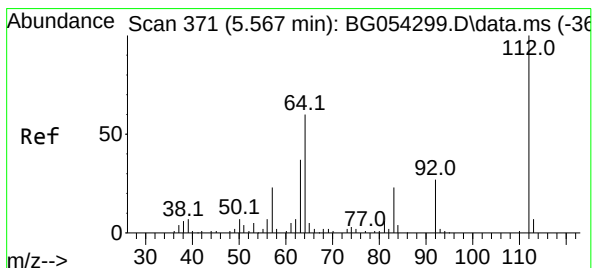
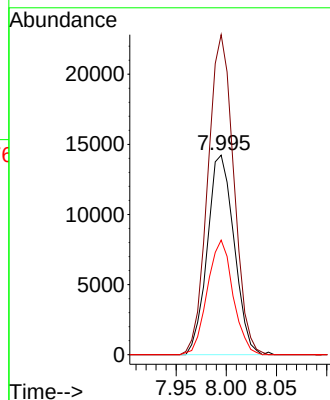
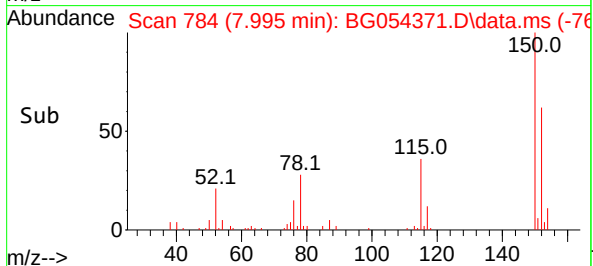


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.995 min Scan# 785
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Instrument :
BNA_G
ClientSampleId :
OR-03-072122

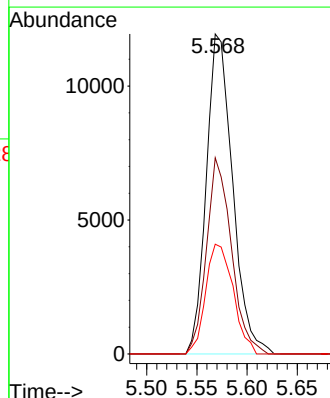
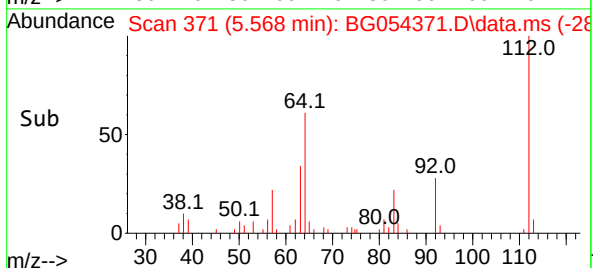
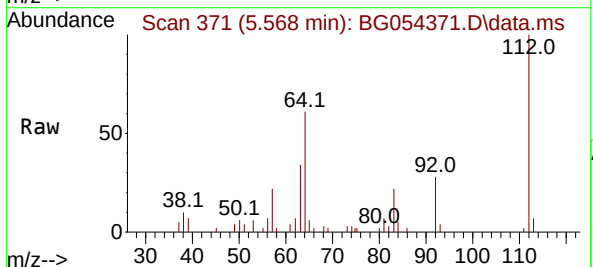


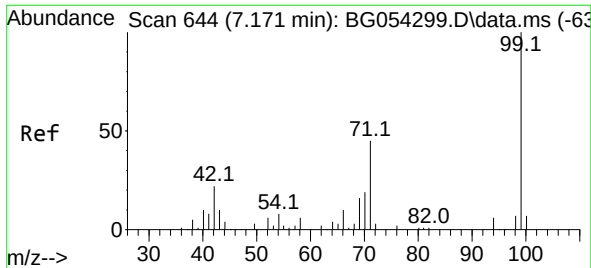
Tgt Ion:152 Resp: 26408
Ion Ratio Lower Upper
152 100
150 160.3 131.6 197.4
115 57.4 50.9 76.3



#5
2-Fluorophenol
Concen: 17.235 ng
RT: 5.568 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:112 Resp: 21799
Ion Ratio Lower Upper
112 100
64 61.3 55.1 82.7
63 34.3 30.4 45.6

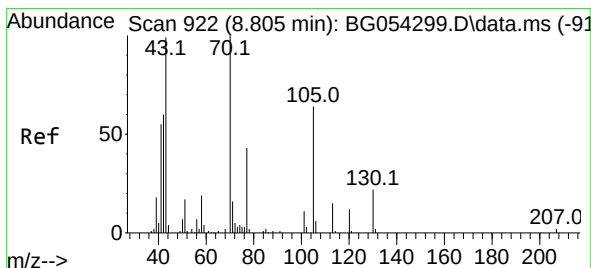
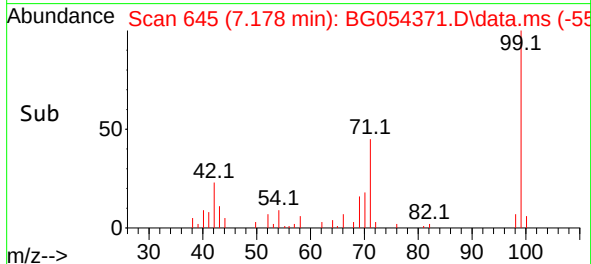
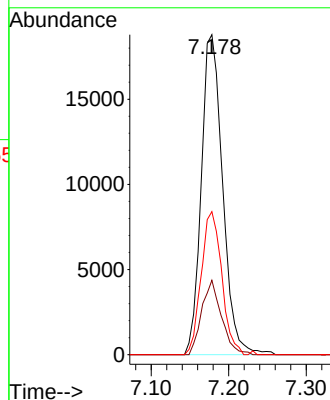
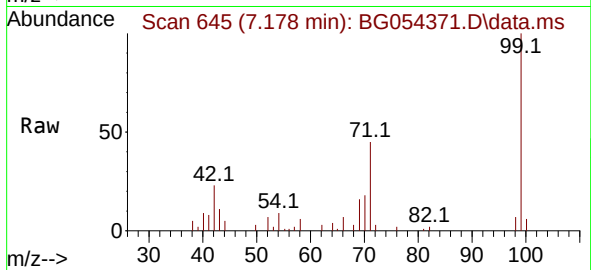




#7
Phenol-d6
Concen: 20.764 ng
RT: 7.178 min Scan# 64
Delta R.T. 0.007 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

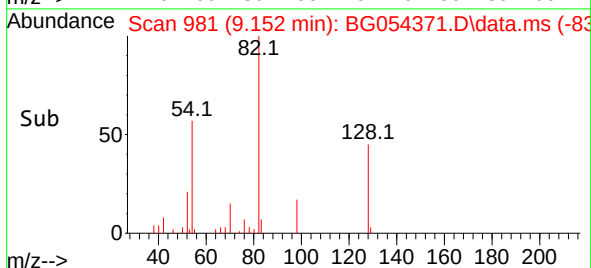
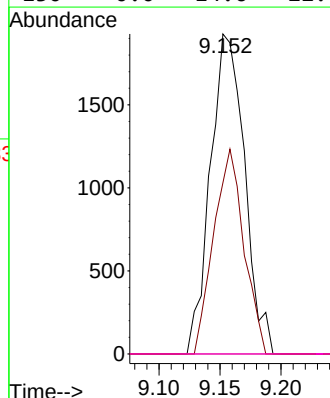
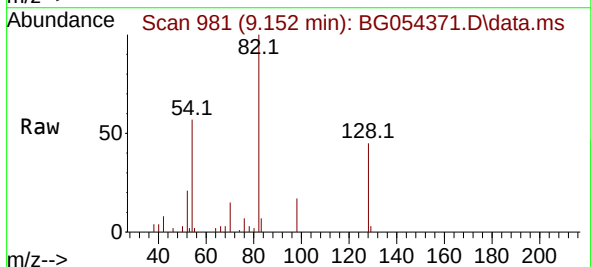
Instrument :
BNA_G
ClientSampleId :
OR-03-072122

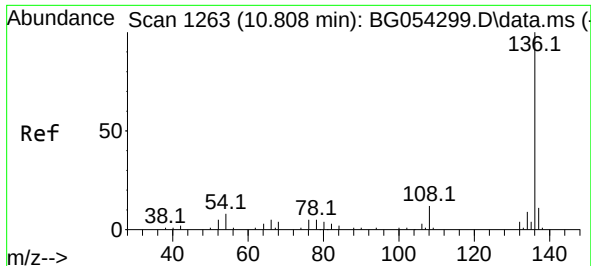
Tgt Ion: 99 Resp: 35987
Ion Ratio Lower Upper
99 100
42 23.2 17.0 25.6
71 44.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.251 ng
RT: 9.152 min Scan# 981
Delta R.T. 0.348 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion: 70 Resp: 3763
Ion Ratio Lower Upper
70 100
42 53.5 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

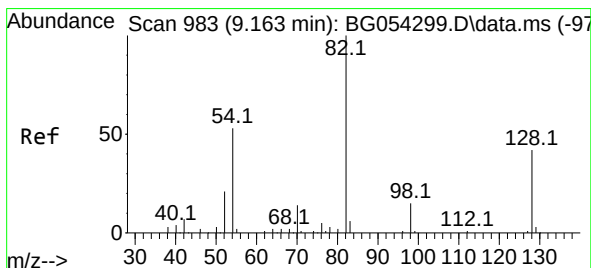
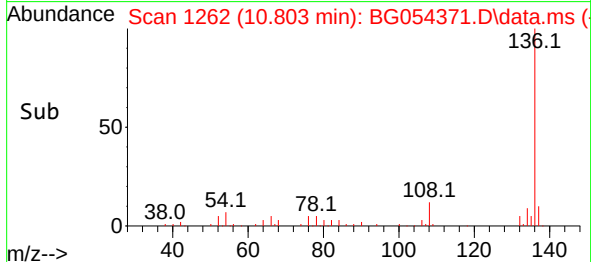
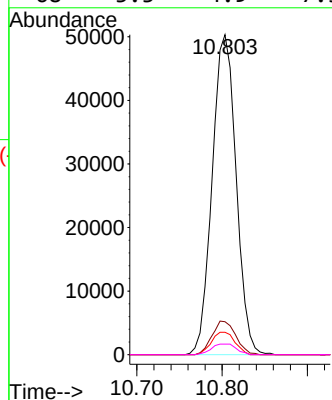
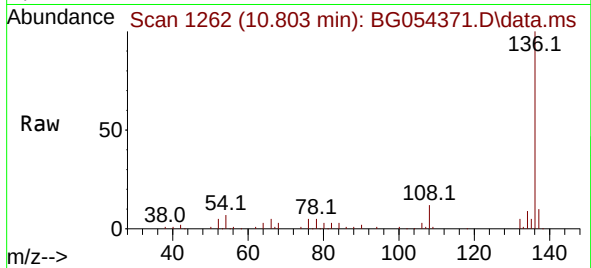




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

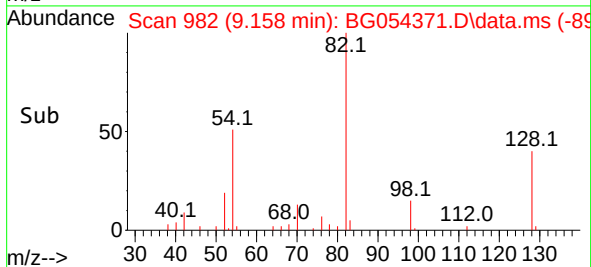
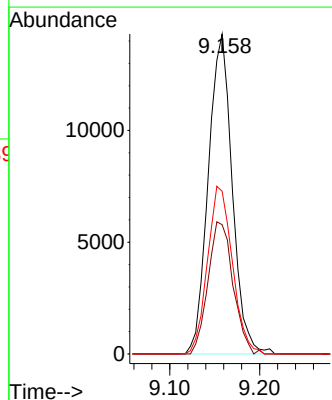
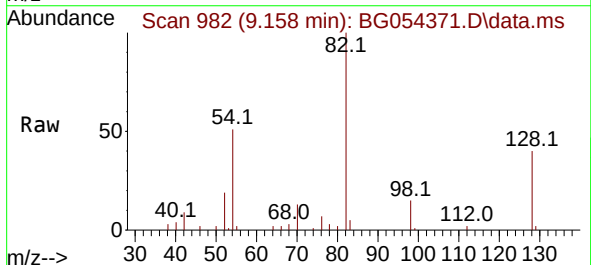
Instrument :
BNA_G
ClientSampleId :
OR-03-072122

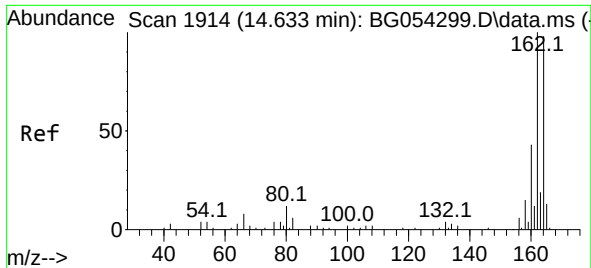
Tgt Ion:	136	Resp:	98273
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	7.0	7.4	11.2#
68	3.3	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 14.655 ng
RT: 9.158 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

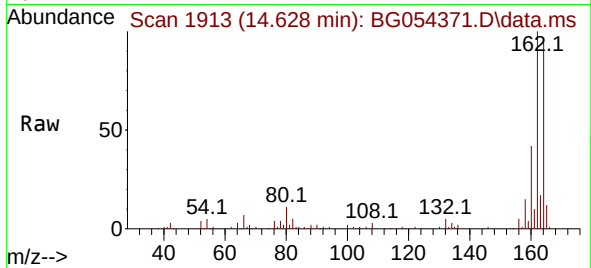
Tgt Ion:	82	Resp:	26447
Ion	Ratio	Lower	Upper
82	100		
128	40.4	27.9	41.9
54	50.9	41.2	61.8



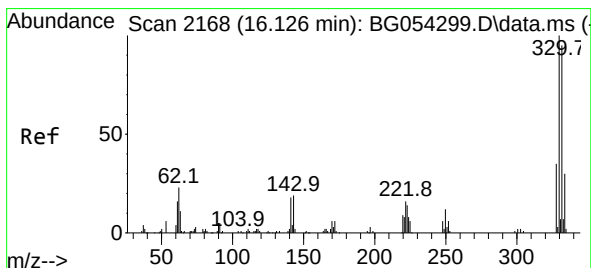
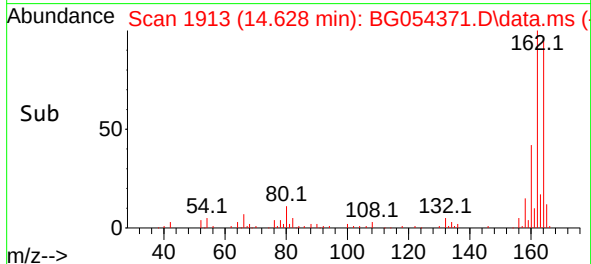
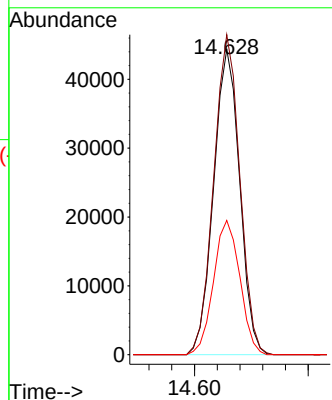


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1914
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Instrument :
BNA_G
ClientSampleId :
OR-03-072122

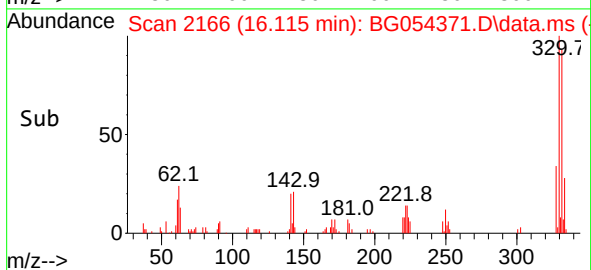
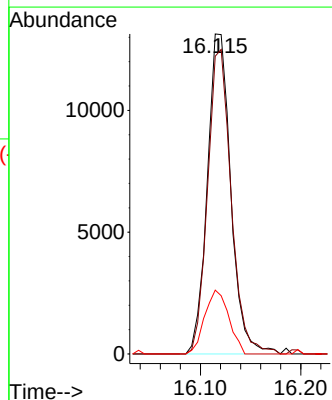
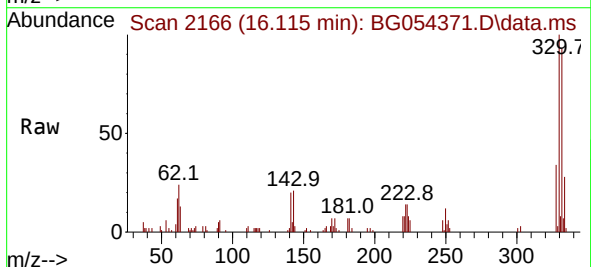


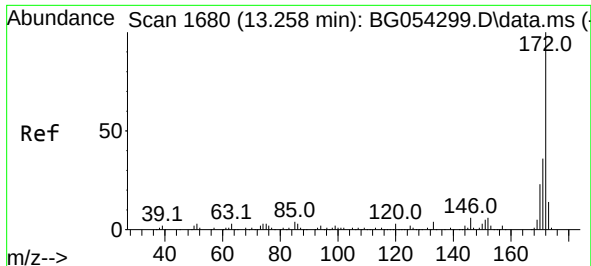
Tgt Ion:164 Resp: 70550
Ion Ratio Lower Upper
164 100
162 104.7 82.3 123.5
160 43.9 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 14.477 ng
RT: 16.115 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:330 Resp: 21444
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 20.4 27.1 40.7#

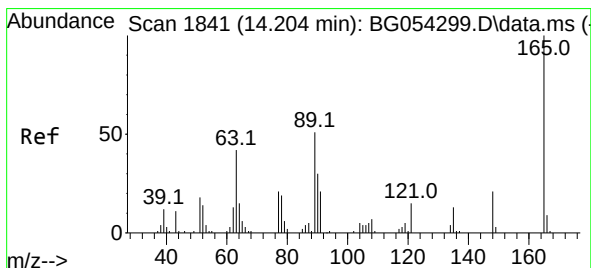
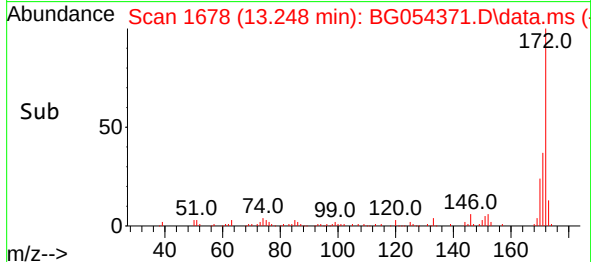
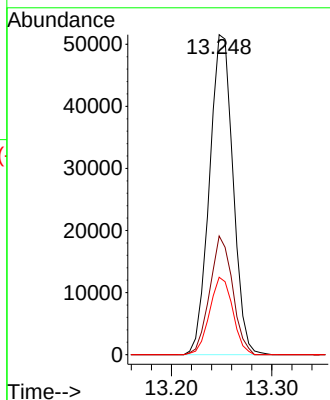
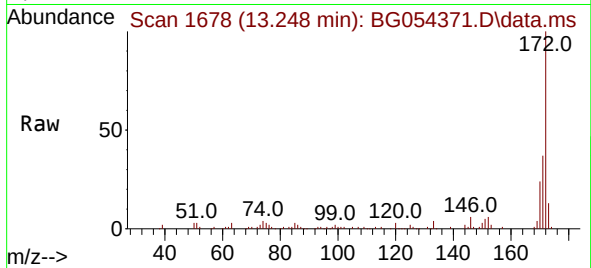




#45
2-Fluorobiphenyl
Concen: 16.819 ng
RT: 13.248 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

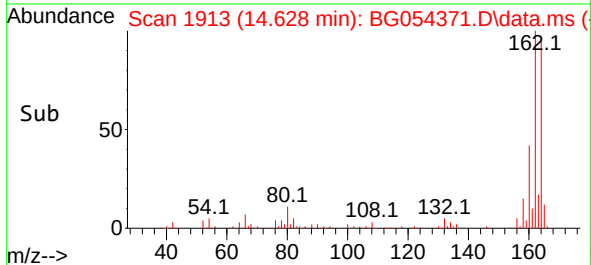
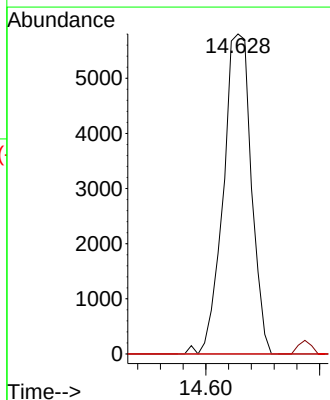
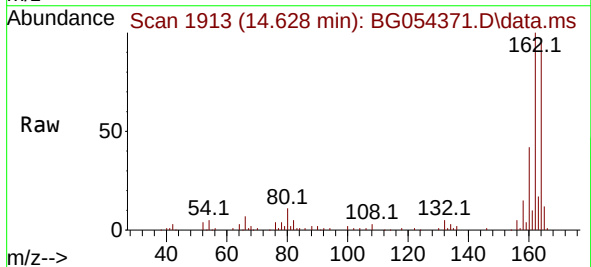
Instrument :
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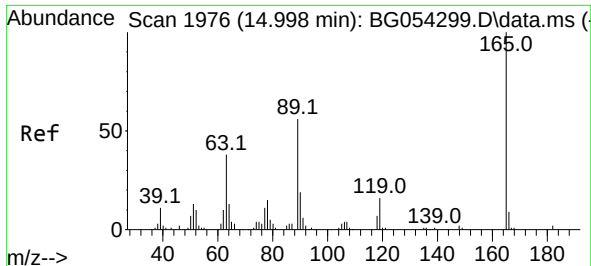
Tgt Ion:172 Resp: 84115
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.219 ng
RT: 14.628 min Scan# 1913
Delta R.T. 0.424 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:165 Resp: 9934
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: 5.733 ng

RT: 14.628 min Scan# 1976

Delta R.T. -0.369 min

Lab File: BG054371.D

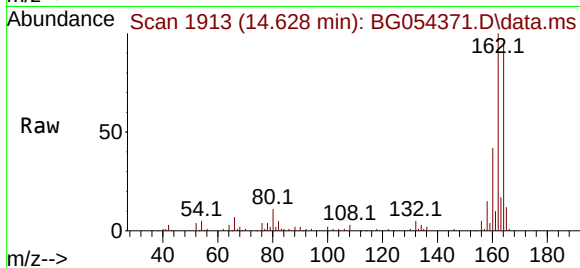
Acq: 22 Jul 2022 22:52

Instrument :

BNA_G

ClientSampleId :

OR-03-072122



Tgt Ion:165 Resp: 9934

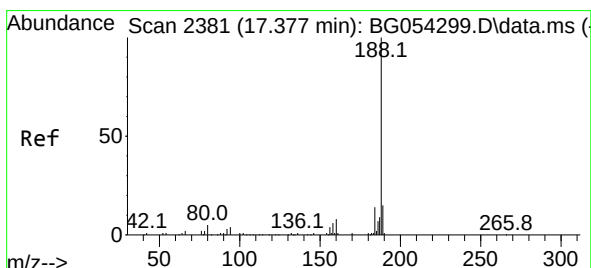
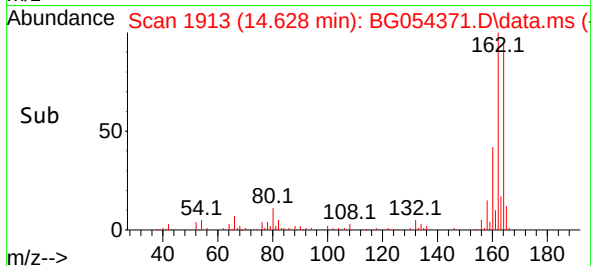
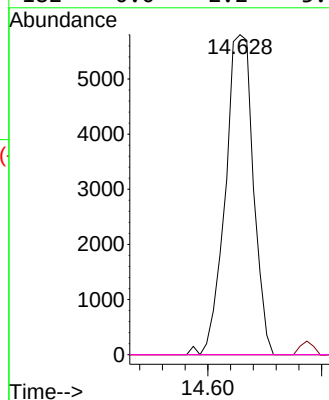
Ion Ratio Lower Upper

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: 17.372 min Scan# 2380

Delta R.T. -0.005 min

Lab File: BG054371.D

Acq: 22 Jul 2022 22:52

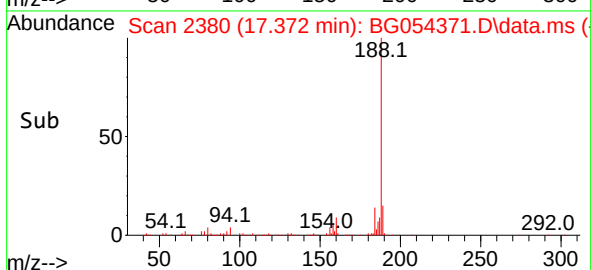
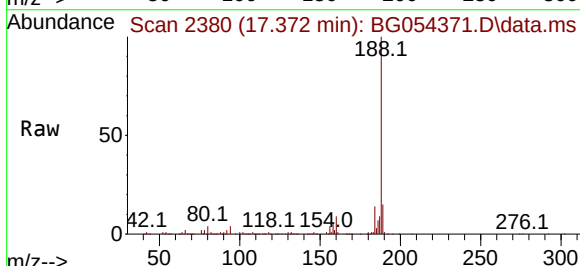
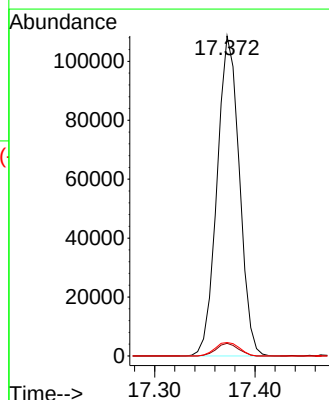
Tgt Ion:188 Resp: 167574

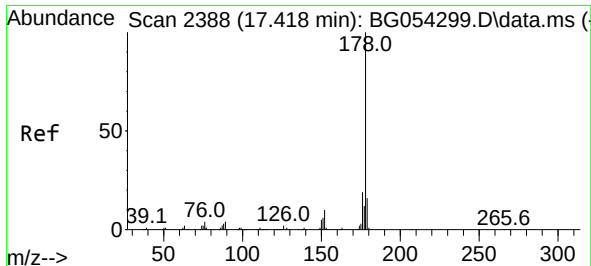
Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 4.2 6.8 10.2#

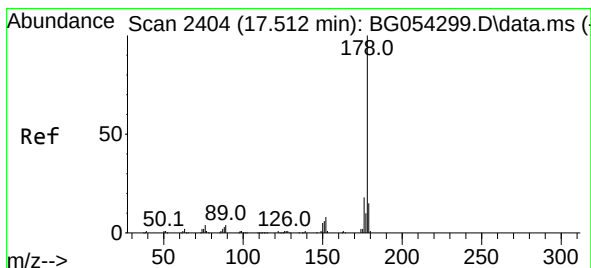
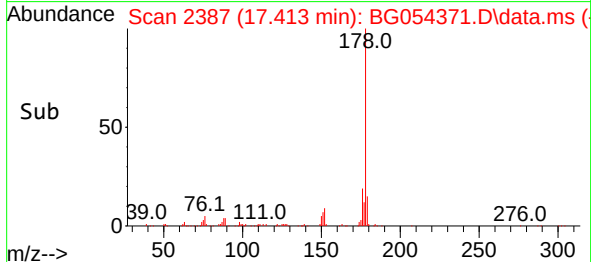
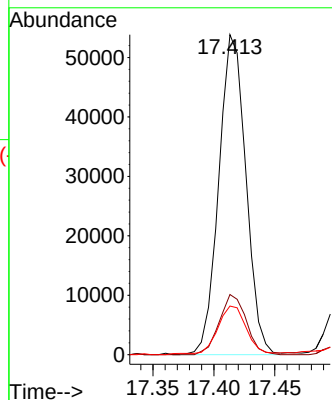
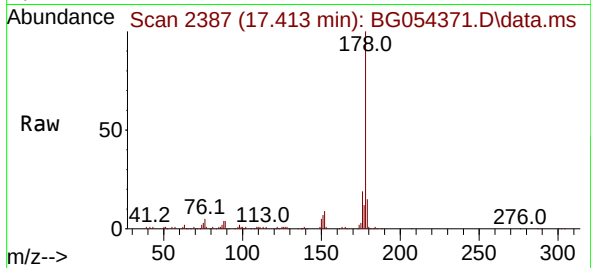




#71
Phenanthrene
Concen: 9.984 ng
RT: 17.413 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

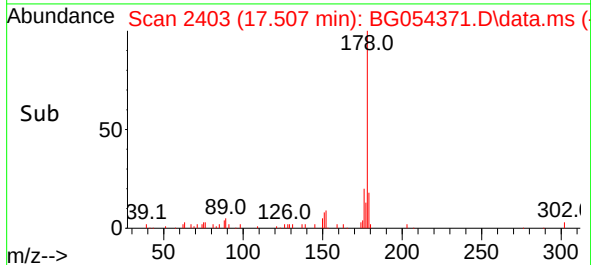
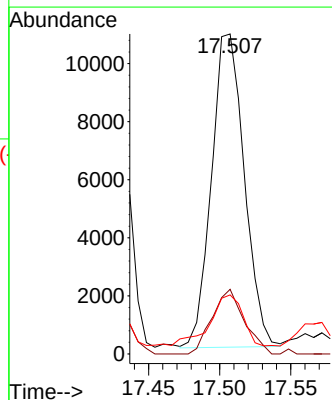
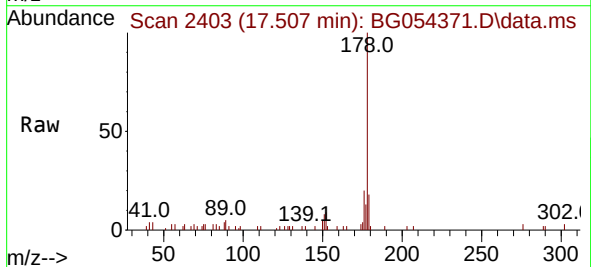
Instrument :
BNA_G
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OR-03-072122

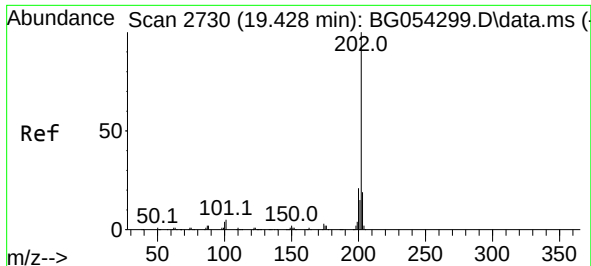
Tgt Ion:178 Resp: 83319
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.2 12.1 18.1



#72
Anthracene
Concen: 2.118 ng
RT: 17.507 min Scan# 2403
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:178 Resp: 17342
Ion Ratio Lower Upper
178 100
176 20.2 15.2 22.8
179 18.4 13.0 19.4

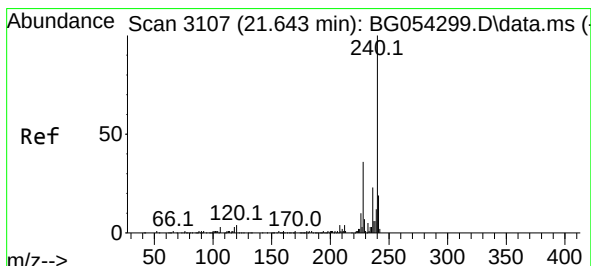
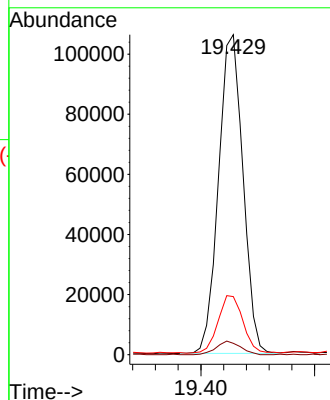
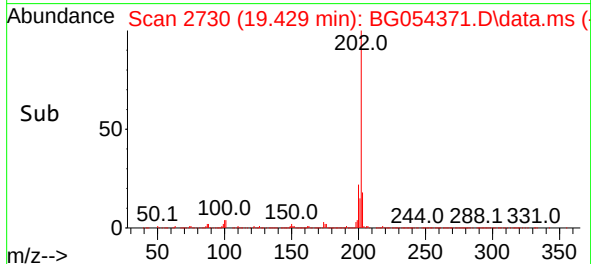
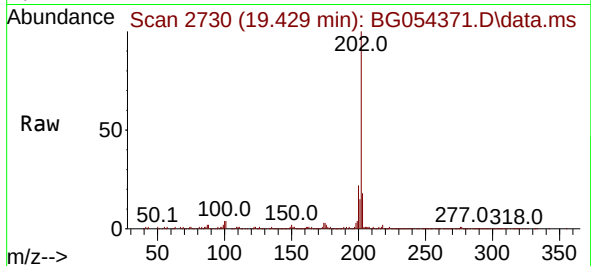




#75
Fluoranthene
Concen: 13.920 ng
RT: 19.429 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

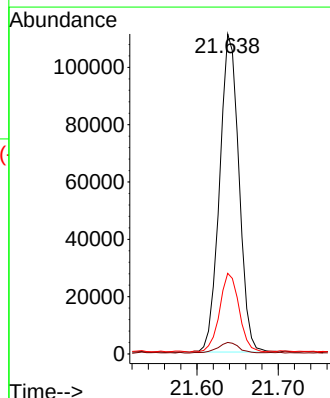
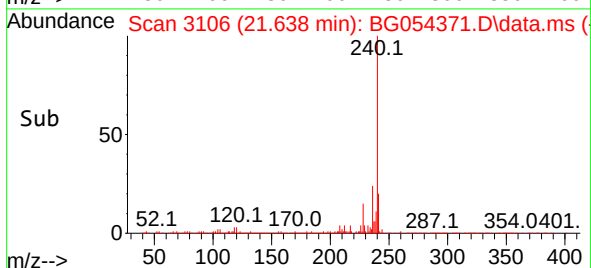
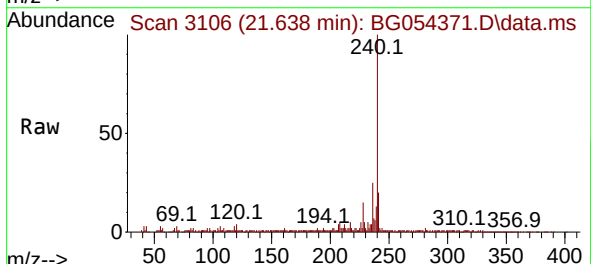
Instrument :
BNA_G
ClientSampleId :
OR-03-072122

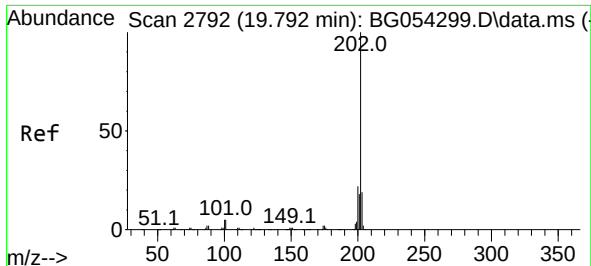
Tgt Ion:202 Resp: 158347
Ion Ratio Lower Upper
202 100
101 3.6 0.0 26.9
203 18.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:240 Resp: 183964
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.2 20.2 30.4

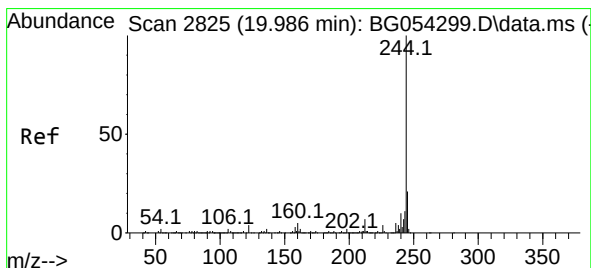
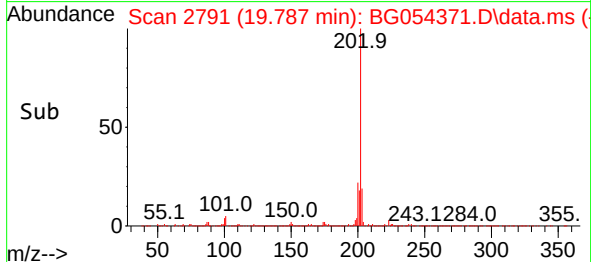
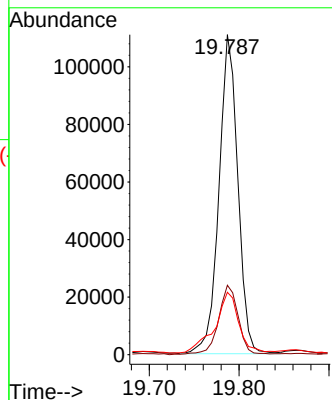
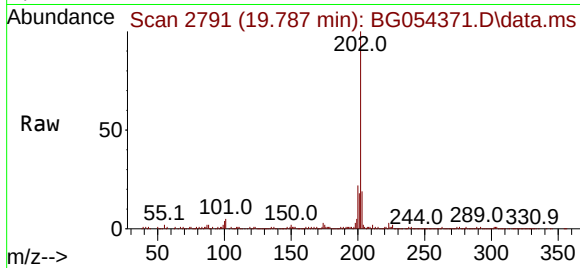




#78
 Pyrene
 Concen: 15.354 ng
 RT: 19.787 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054371.D
 Acq: 22 Jul 2022 22:52

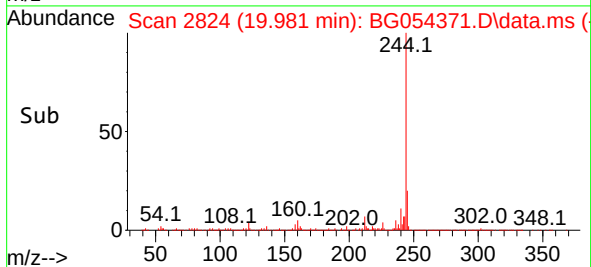
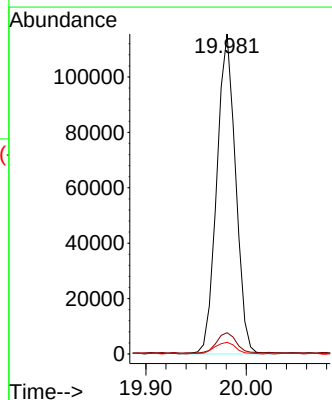
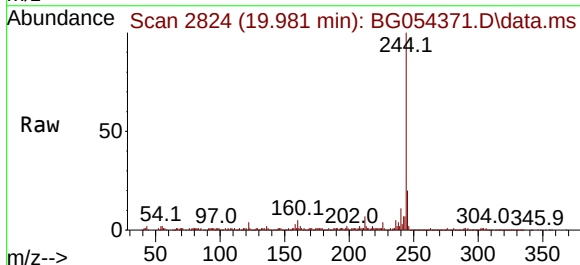
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122

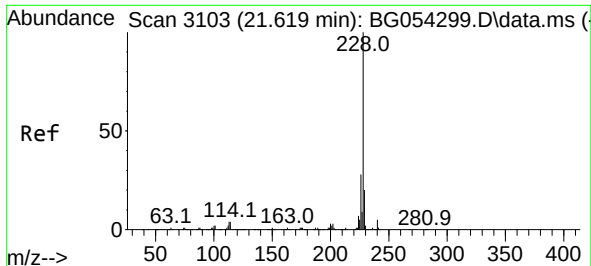
Tgt Ion:202 Resp: 162073
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 19.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 16.244 ng
 RT: 19.981 min Scan# 2824
 Delta R.T. -0.005 min
 Lab File: BG054371.D
 Acq: 22 Jul 2022 22:52

Tgt Ion:244 Resp: 150640
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 3.7 5.0 7.4#

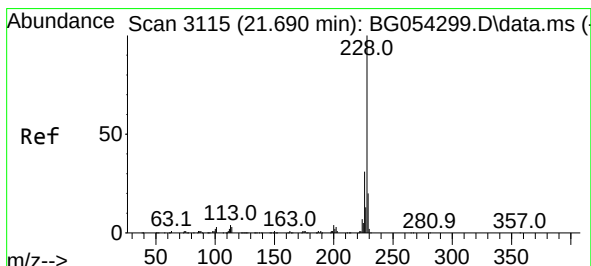
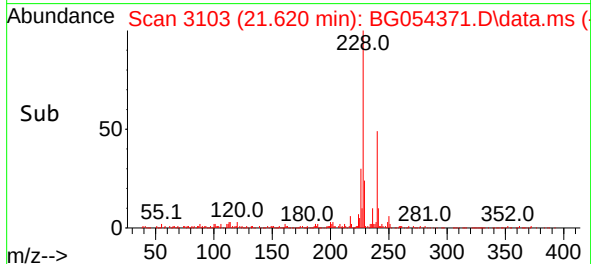
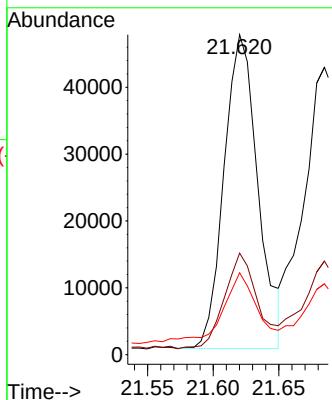
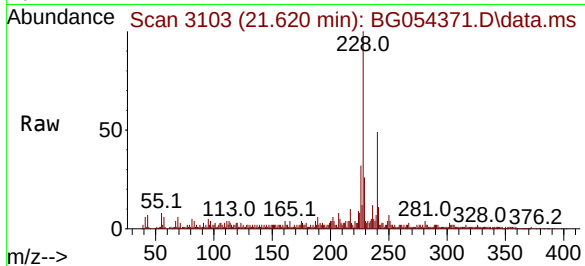




#81
Benzo(a)anthracene
Concen: 7.229 ng
RT: 21.620 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

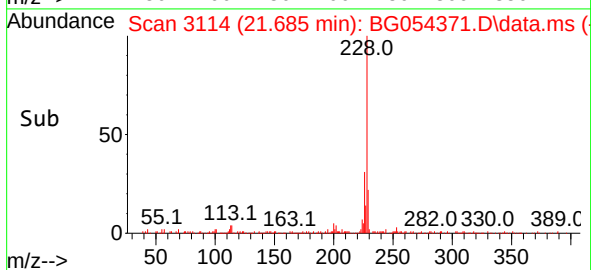
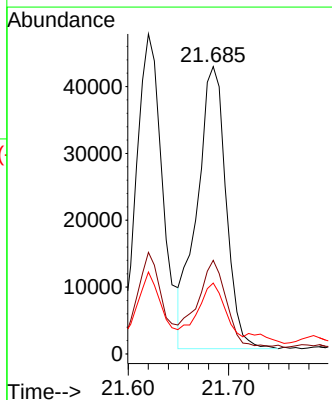
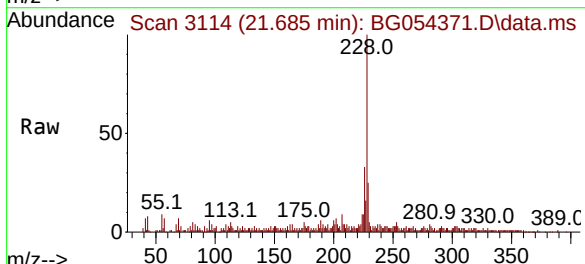
Instrument :
BNA_G
ClientSampleId :
OR-03-072122

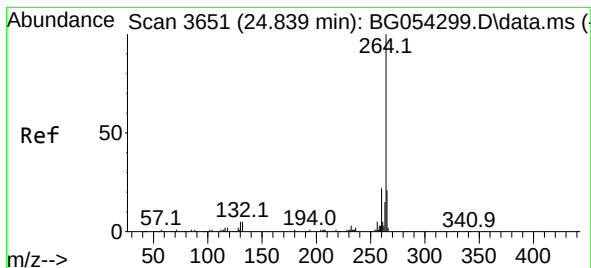
Tgt Ion:228 Resp: 84420
Ion Ratio Lower Upper
228 100
226 31.7 21.6 32.4
229 25.6 16.2 24.2#



#83
Chrysene
Concen: 7.707 ng
RT: 21.685 min Scan# 3114
Delta R.T. -0.005 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:228 Resp: 85035
Ion Ratio Lower Upper
228 100
226 32.6 23.4 35.2
229 24.7 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.846 min Scan# 3

Delta R.T. 0.007 min

Lab File: BG054371.D

Acq: 22 Jul 2022 22:52

Instrument :

BNA_G

ClientSampleId :

OR-03-072122

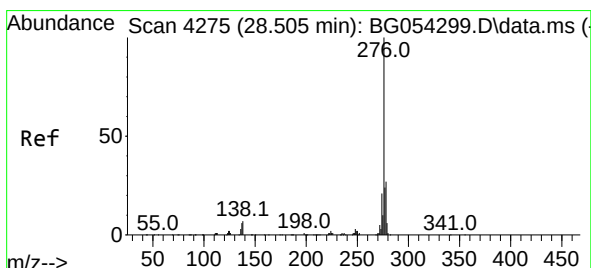
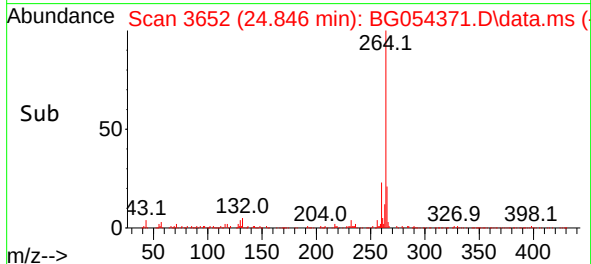
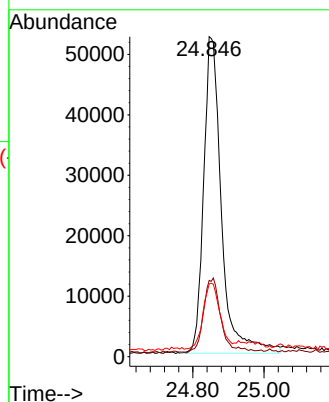
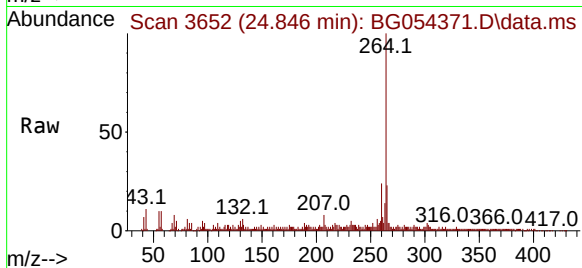
Tgt Ion:264 Resp: 182667

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 22.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.028 ng

RT: 28.530 min Scan# 4279

Delta R.T. 0.024 min

Lab File: BG054371.D

Acq: 22 Jul 2022 22:52

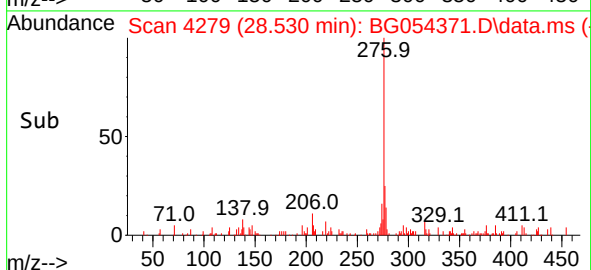
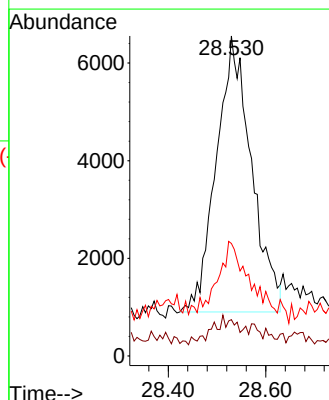
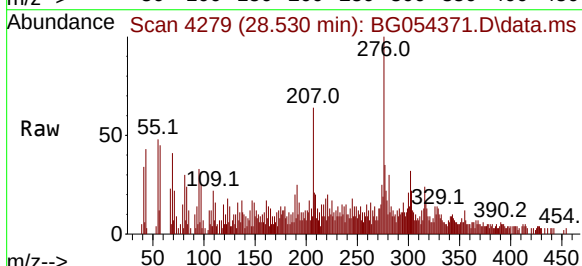
Tgt Ion:276 Resp: 28176

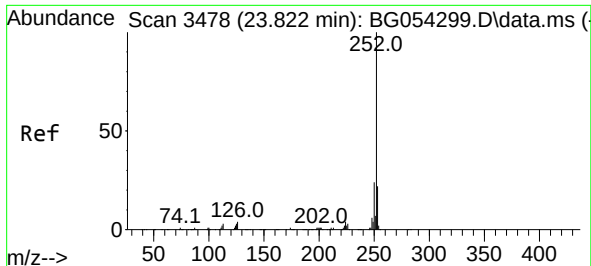
Ion Ratio Lower Upper

276 100

138 0.4 5.0 7.4#

277 23.8 20.3 30.5

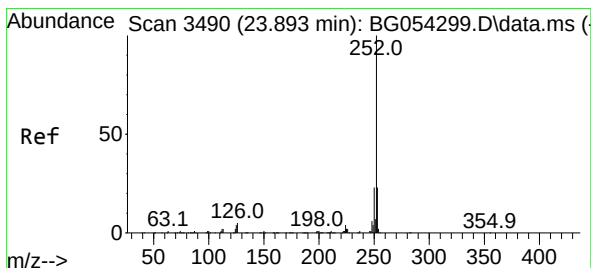
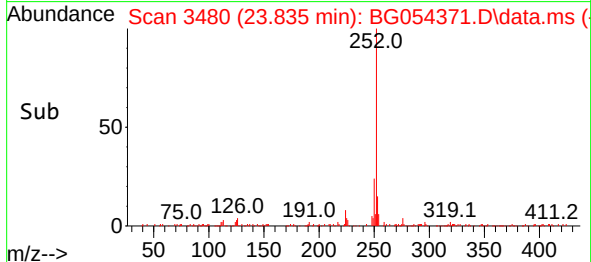
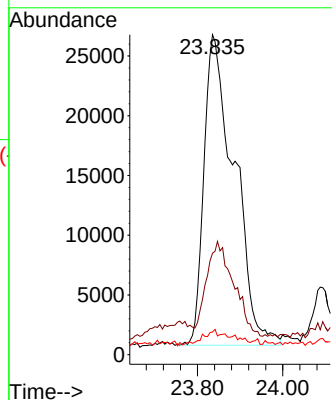
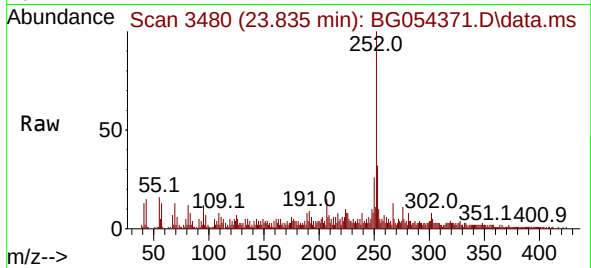




#88
Benzo(b)fluoranthene
Concen: 11.870 ng
RT: 23.835 min Scan# 3478
Delta R.T. 0.013 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

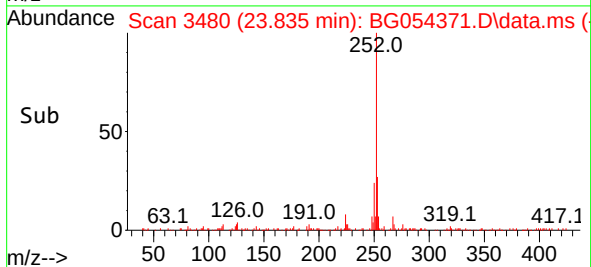
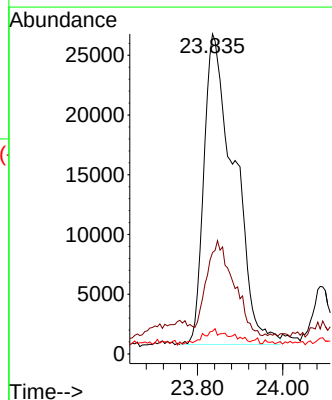
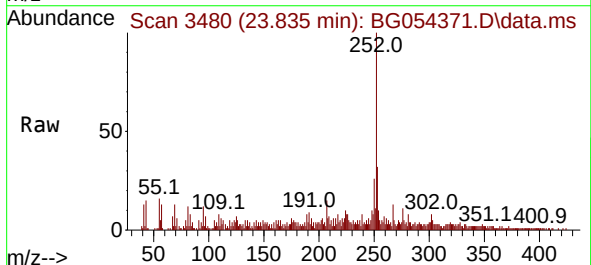
Instrument :
BNA_G
ClientSampleId :
OR-03-072122

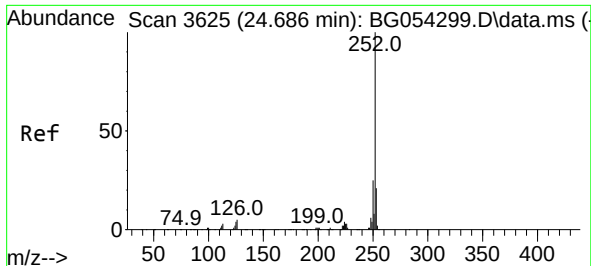
Tgt Ion:252 Resp: 128228
Ion Ratio Lower Upper
252 100
253 31.7 18.0 27.0#
125 7.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 11.927 ng
RT: 23.835 min Scan# 3480
Delta R.T. -0.058 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:252 Resp: 128228
Ion Ratio Lower Upper
252 100
253 31.7 18.4 27.6#
125 7.1 4.8 7.2

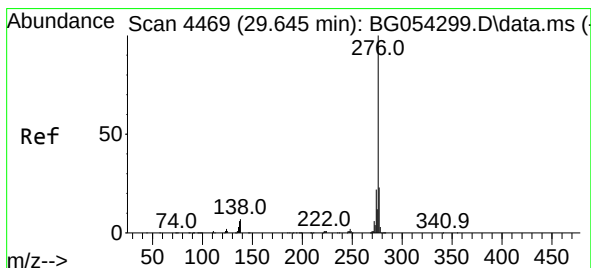
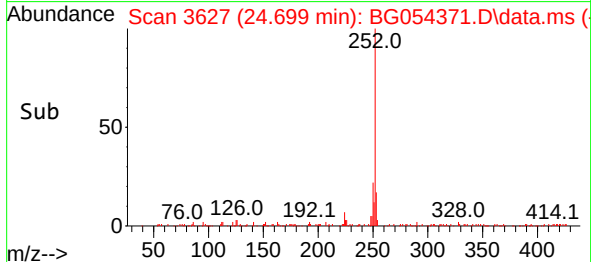
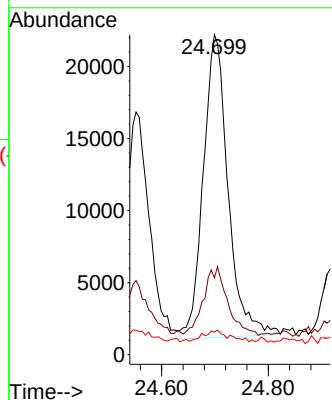
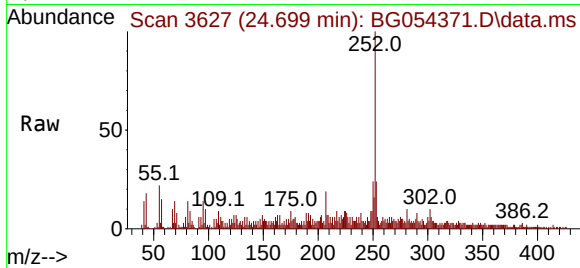




#90
Benzo(a)pyrene
Concen: 7.350 ng
RT: 24.699 min Scan# 30
Delta R.T. 0.013 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Instrument :
BNA_G
ClientSampleId :
OR-03-072122

Tgt Ion:252 Resp: 67809
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 7.1 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 2.491 ng
RT: 29.681 min Scan# 4475
Delta R.T. 0.036 min
Lab File: BG054371.D
Acq: 22 Jul 2022 22:52

Tgt Ion:276 Resp: 28091
Ion Ratio Lower Upper
276 100
277 27.5 17.3 25.9#
138 11.9 9.6 14.4

