

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054355.D
 Acq On : 21 Jul 2022 22:02
 Operator : CG/JU
 Sample : N3776-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

Quant Time: Jul 22 02:38:20 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

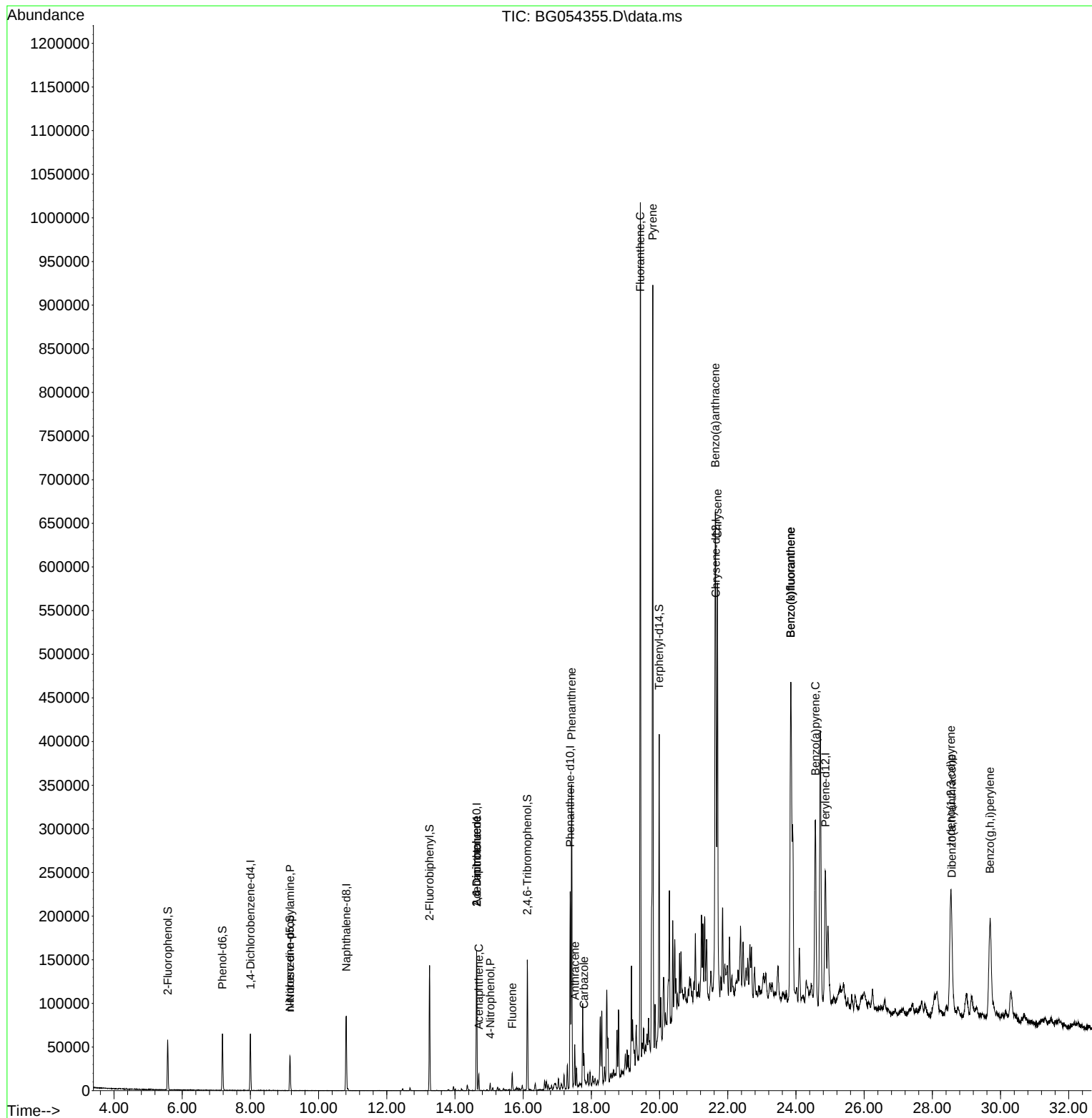
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	20137	20.000	ng	0.00
21) Naphthalene-d8	10.809	136	79335	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	63711	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	162887	20.000	ng	# 0.00
76) Chrysene-d12	21.649	240	178268	20.000	ng	# 0.00
86) Perylene-d12	24.863	264	190080	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	27438	28.449	ng	0.00
7) Phenol-d6	7.178	99	37403	28.302	ng	0.00
23) Nitrobenzene-d5	9.158	82	25112	17.237	ng	0.00
42) 2,4,6-Tribromophenol	16.121	330	38390	28.699	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	82951	18.367	ng	0.00
79) Terphenyl-d14	19.987	244	182681	20.329	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.164	70	3495	3.960	ng	# 78
51) 2,6-Dinitrotoluene	14.634	165	8483	7.772	ng	# 16
52) Acenaphthene	14.699	154	7659	2.334	ng	# 93
56) 4-Nitrophenol	15.034	139	1598	2.624	ng	# 1
57) 2,4-Dinitrotoluene	14.634	165	8483	5.421	ng	# 21
58) Fluorene	15.680	166	10314	2.148	ng	86
71) Phenanthrene	17.419	178	243727	30.046	ng	98
72) Anthracene	17.513	178	36553	4.592	ng	97
73) Carbazole	17.777	167	24764	3.779	ng	# 96
75) Fluoranthene	19.434	202	704539	63.716	ng	95
78) Pyrene	19.799	202	635834	62.161	ng	96
81) Benzo(a)anthracene	21.632	228	353190	31.211	ng	97
83) Chrysene	21.696	228	379332	35.480	ng	97
87) Indeno(1,2,3-cd)pyrene	28.541	276	287826	19.905	ng	98
88) Benzo(b)fluoranthene	23.847	252	534054	47.509	ng	# 97
89) Benzo(k)fluoranthene	23.847	252	534054	47.737	ng	# 98
90) Benzo(a)pyrene	24.570	252	274220	28.565	ng	98
91) Dibenzo(a,h)anthracene	28.571	278	66899	5.626	ng	# 97
92) Benzo(g,h,i)perylene	29.693	276	304746	25.968	ng	# 92

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

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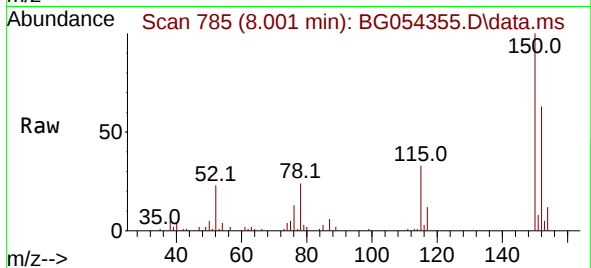
Quant Time: Jul 22 02:38:20 2022
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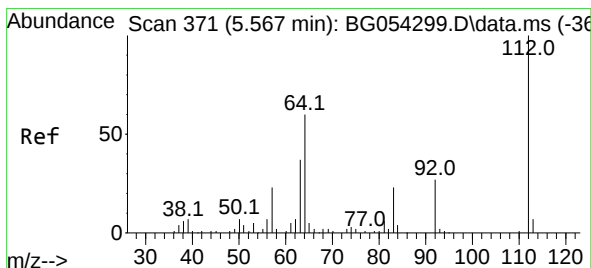
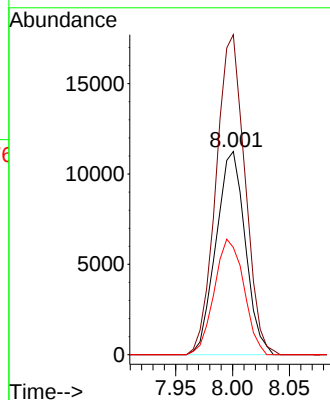
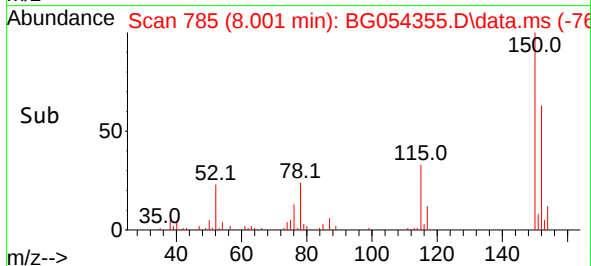


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

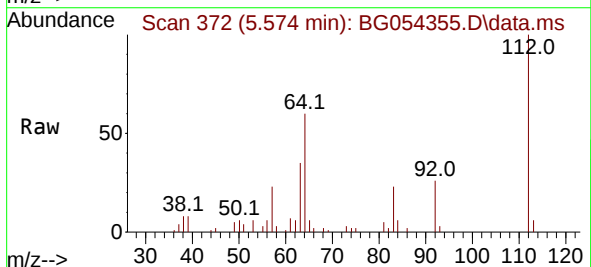
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BNA_G
ClientSampleId :
72-11966DL



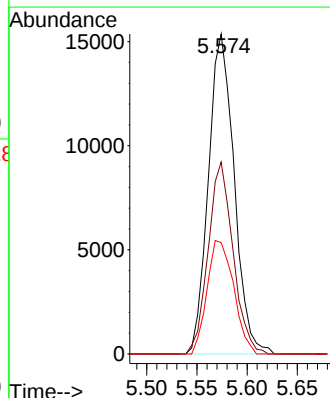
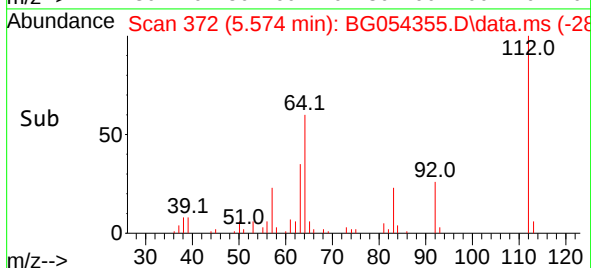
Tgt Ion:152 Resp: 20137
Ion Ratio Lower Upper
152 100
150 157.5 131.6 197.4
115 52.7 50.9 76.3



#5
2-Fluorophenol
Concen: 28.449 ng
RT: 5.574 min Scan# 372
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02



Tgt Ion:112 Resp: 27438
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 34.8 30.4 45.6

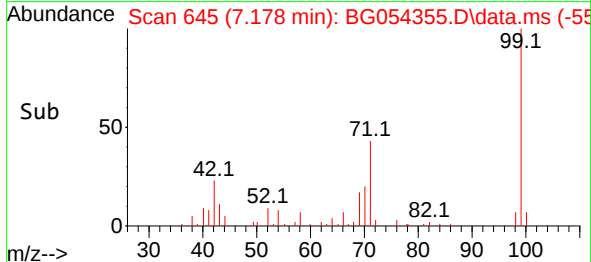
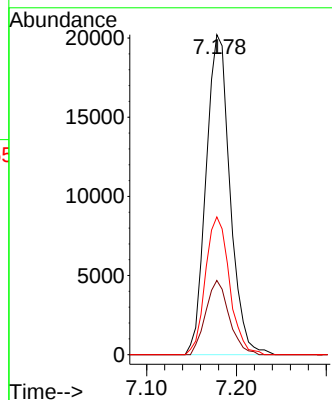
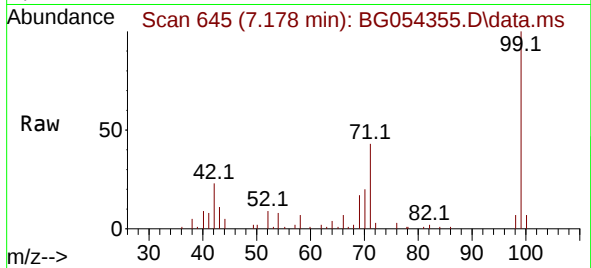




#7
Phenol-d6
Concen: 28.302 ng
RT: 7.178 min Scan# 64
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

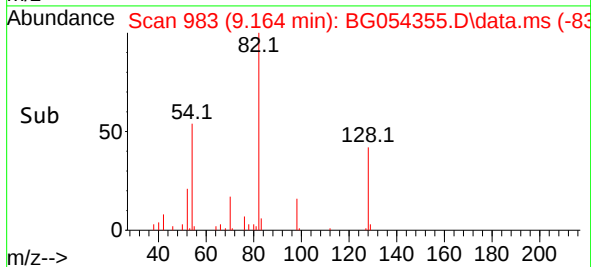
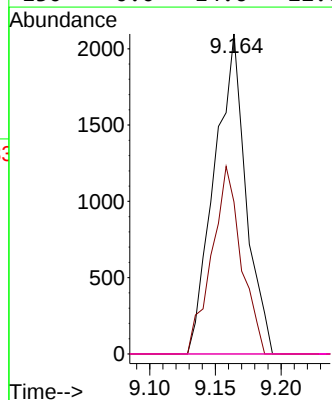
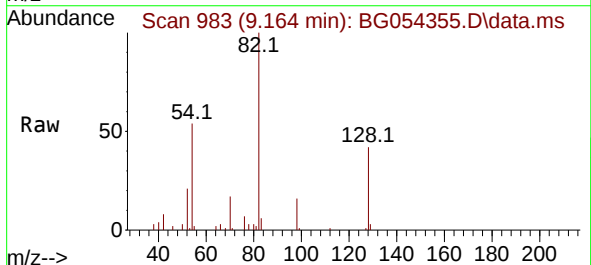
Instrument :
BNA_G
ClientSampleId :
72-11966DL

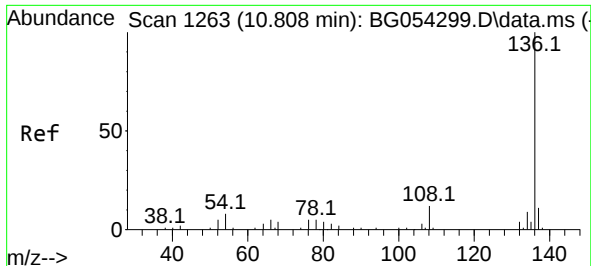
Tgt Ion: 99 Resp: 37403
Ion Ratio Lower Upper
99 100
42 23.2 17.0 25.6
71 43.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.960 ng
RT: 9.164 min Scan# 983
Delta R.T. 0.359 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion: 70 Resp: 3495
Ion Ratio Lower Upper
70 100
42 47.5 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

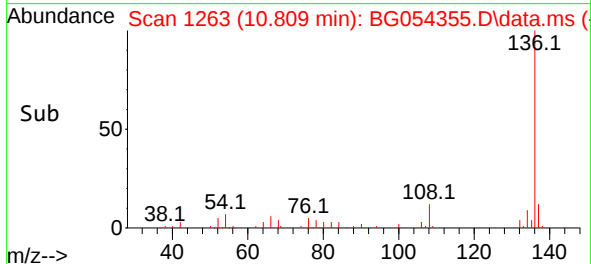
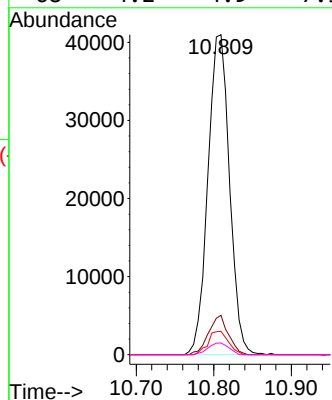
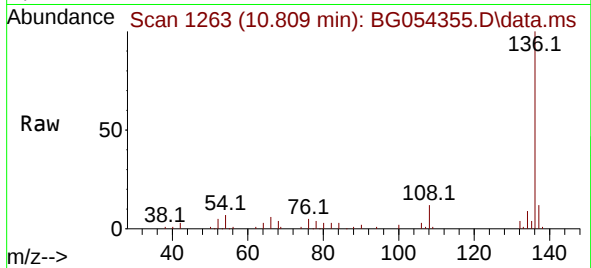




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.809 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

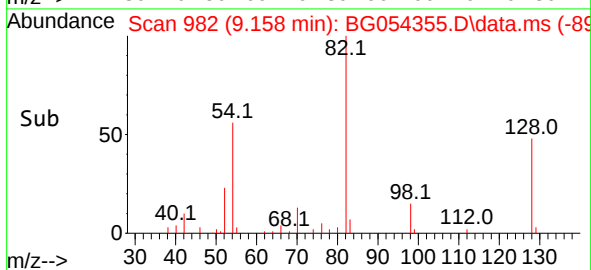
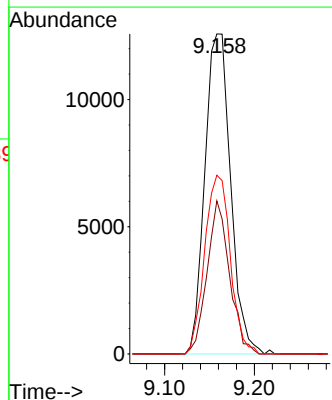
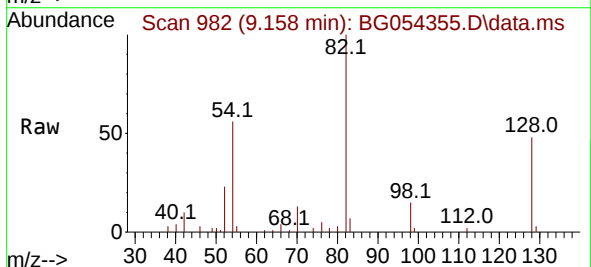
Instrument :
BNA_G
ClientSampleId :
72-11966DL

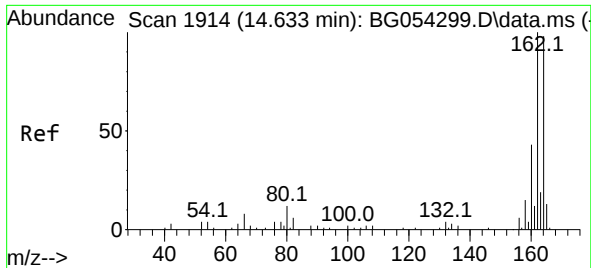
Tgt Ion:	136	Resp:	79335
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.5	12.7
54	7.3	7.4	11.2#
68	4.2	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 17.237 ng
RT: 9.158 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:	82	Resp:	25112
Ion Ratio	Lower	Upper	
82	100		
128	47.8	27.9	41.9#
54	55.9	41.2	61.8

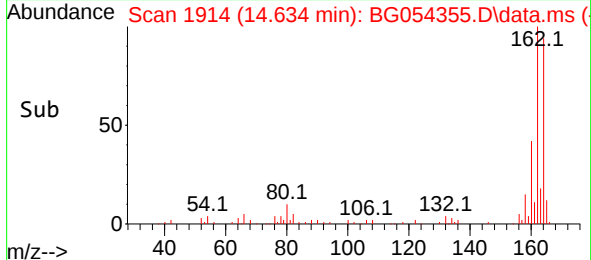
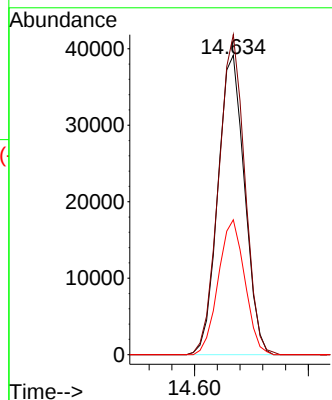
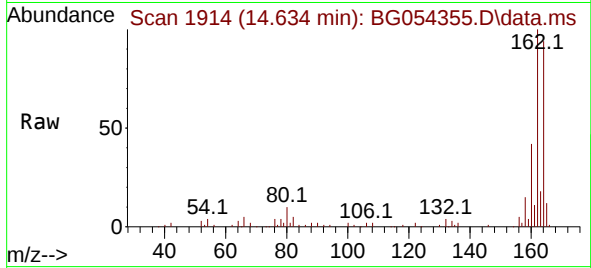




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.634 min Scan# 1914
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

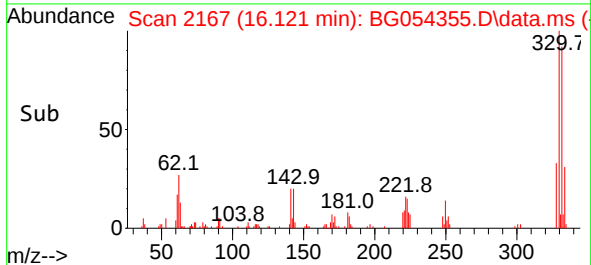
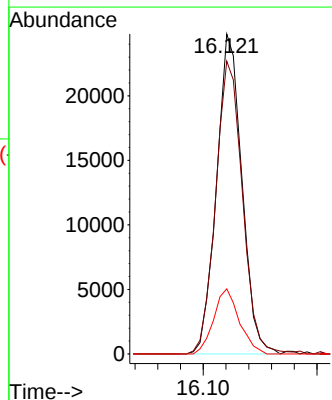
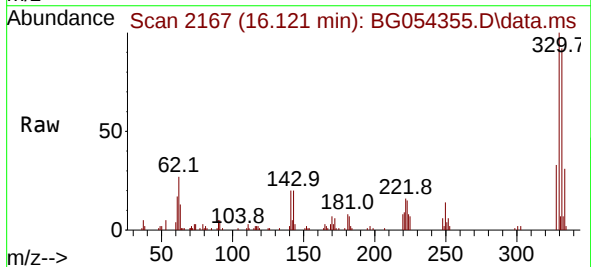
Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

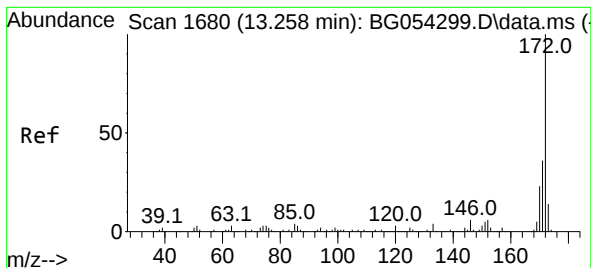
Tgt Ion:164 Resp: 63711
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.3 123.5
 160 45.0 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 28.699 ng
 RT: 16.121 min Scan# 2167
 Delta R.T. -0.005 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Tgt Ion:330 Resp: 38390
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.0 114.0
 141 20.5 27.1 40.7#

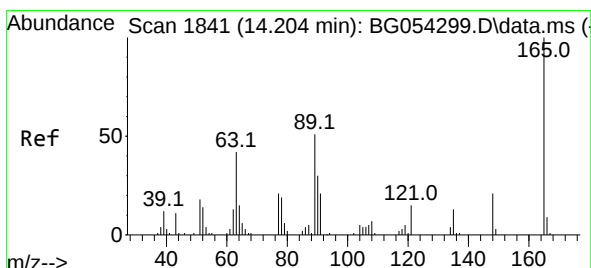
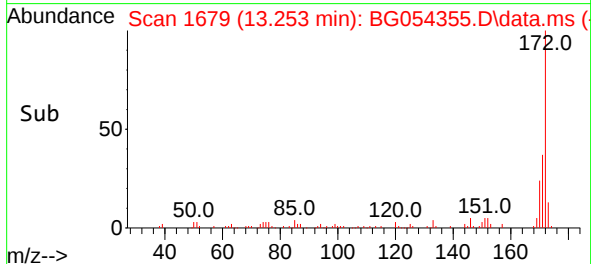
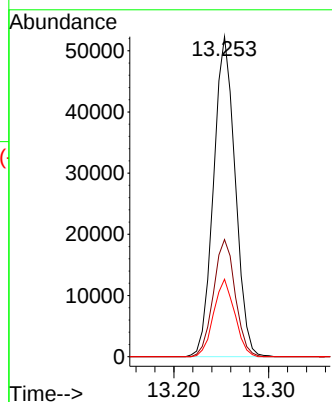
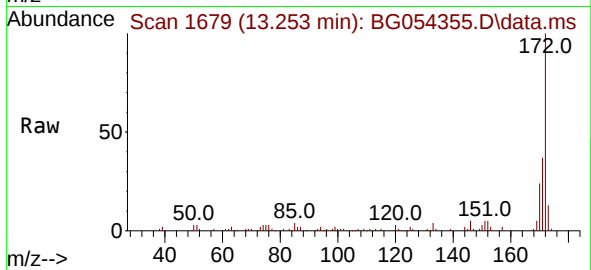




#45
2-Fluorobiphenyl
Concen: 18.367 ng
RT: 13.253 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

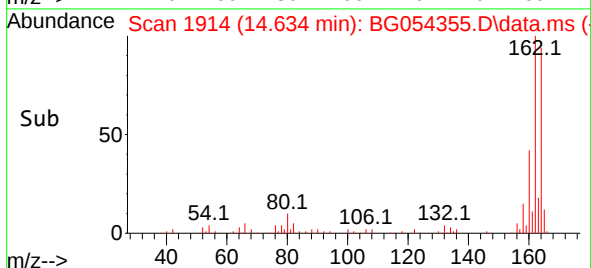
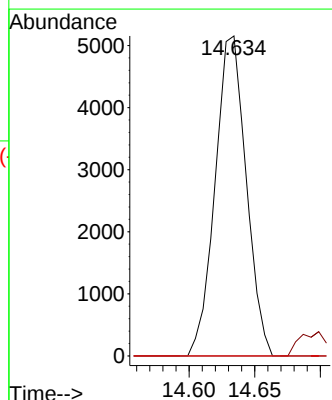
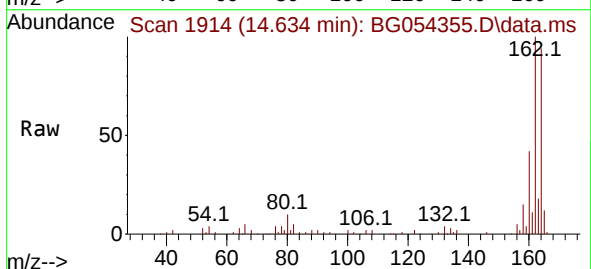
Instrument :
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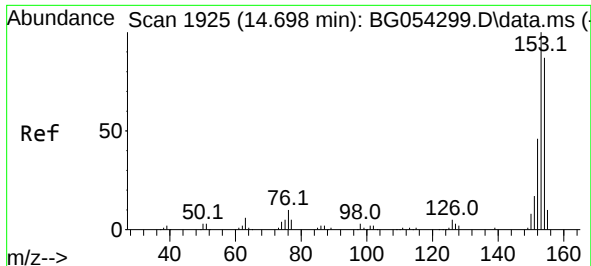
Tgt Ion:172 Resp: 82951
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.772 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.430 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:165 Resp: 8483
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

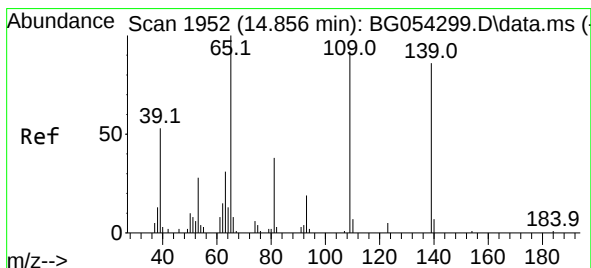
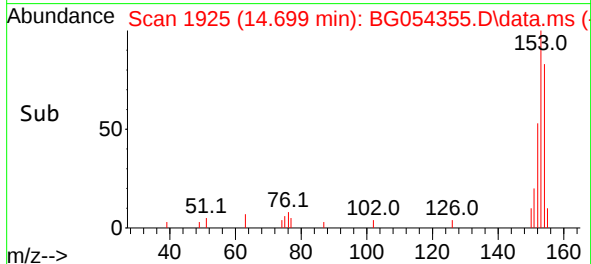
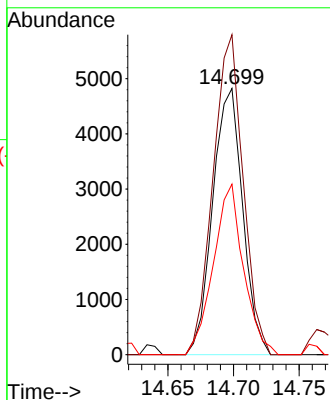
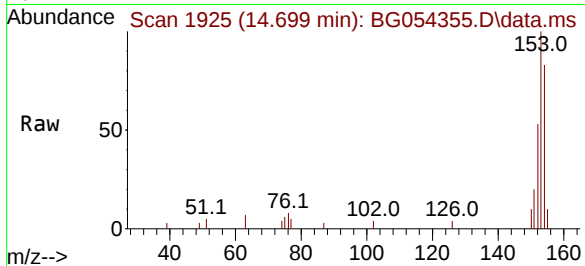




#52
Acenaphthene
Concen: 2.334 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

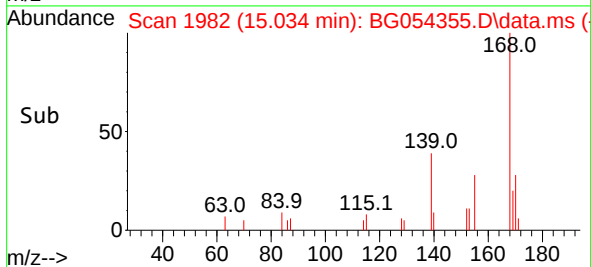
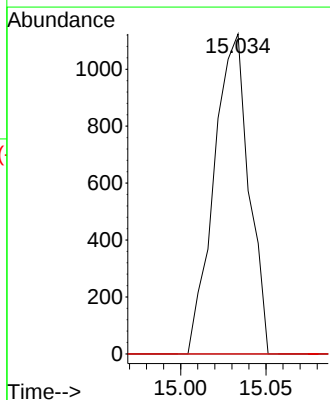
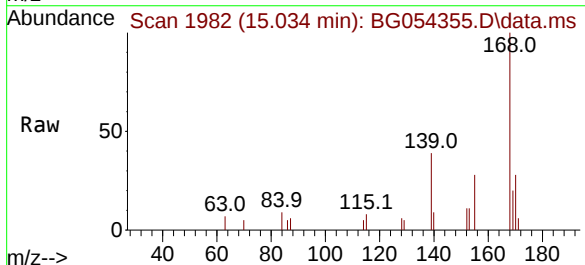
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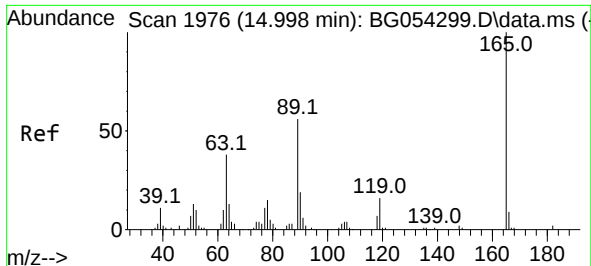
Tgt Ion:154 Resp: 7659
Ion Ratio Lower Upper
154 100
153 120.2 92.7 139.1
152 64.0 42.6 64.0#



#56
4-Nitrophenol
Concen: 2.624 ng
RT: 15.034 min Scan# 1982
Delta R.T. 0.178 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:139 Resp: 1598
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 5.421 ng

RT: 14.634 min Scan# 1976

Delta R.T. -0.363 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

Tgt Ion:165 Resp: 8483

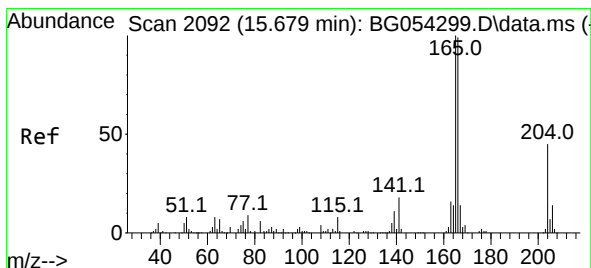
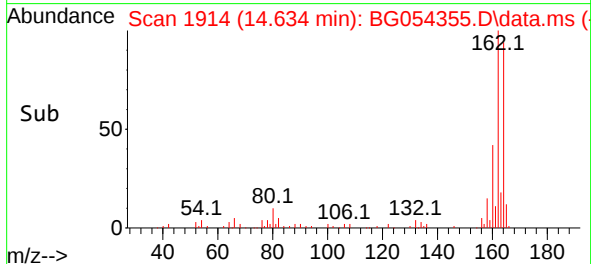
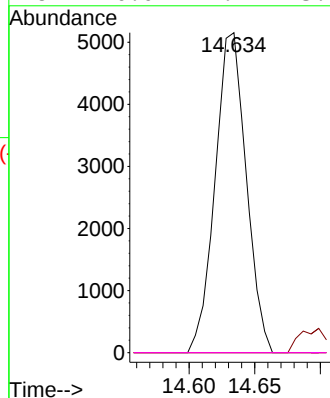
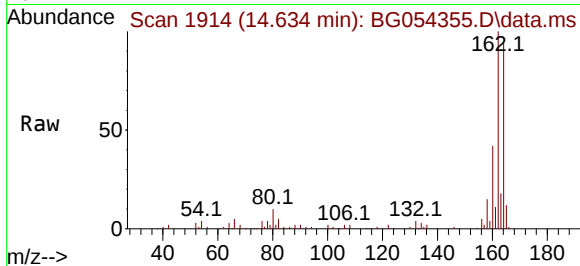
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 2.148 ng

RT: 15.680 min Scan# 2092

Delta R.T. 0.001 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

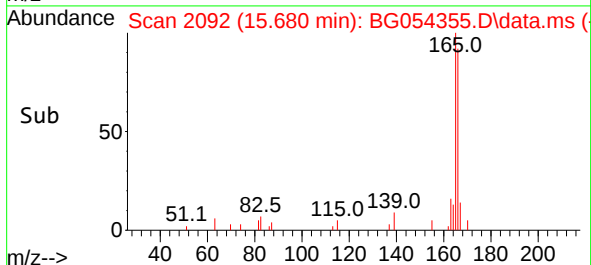
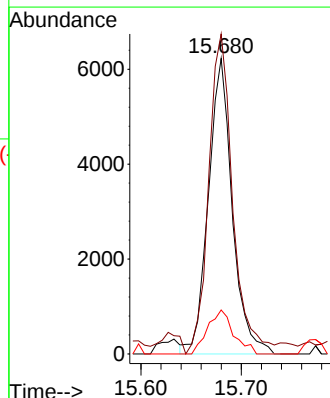
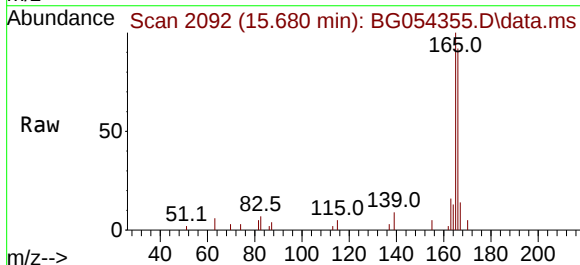
Tgt Ion:166 Resp: 10314

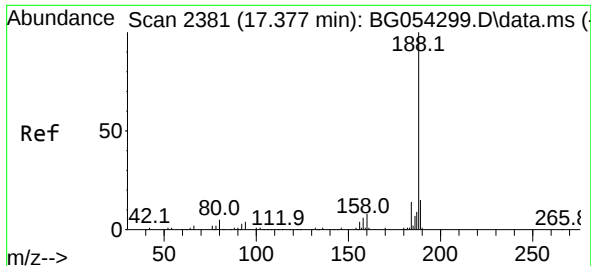
Ion Ratio Lower Upper

166 100

165 108.3 75.0 112.6

167 14.9 10.8 16.2

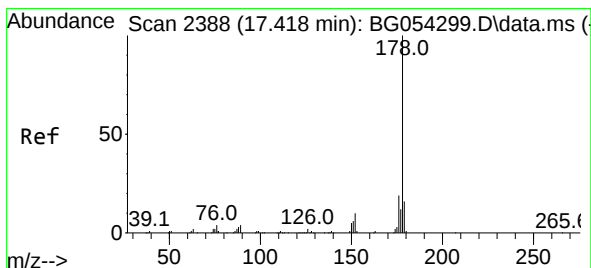
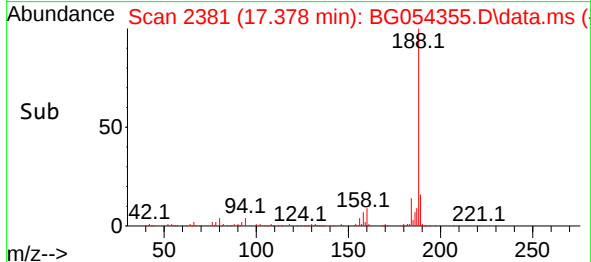
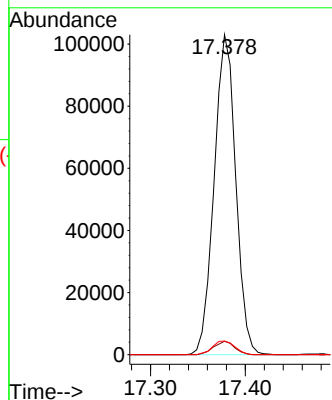
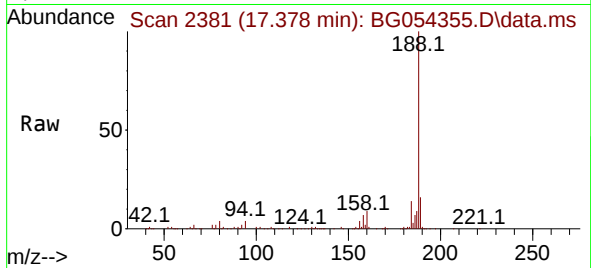




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.378 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

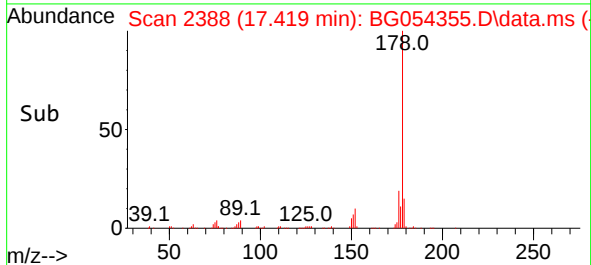
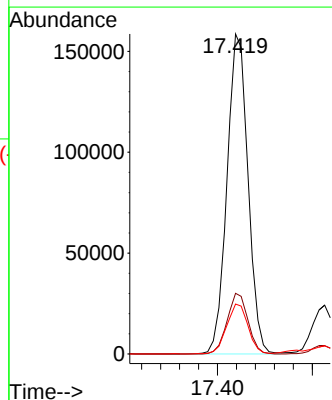
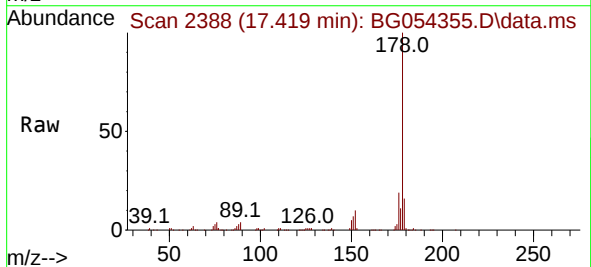
Instrument :
BNA_G
ClientSampleId :
72-11966DL

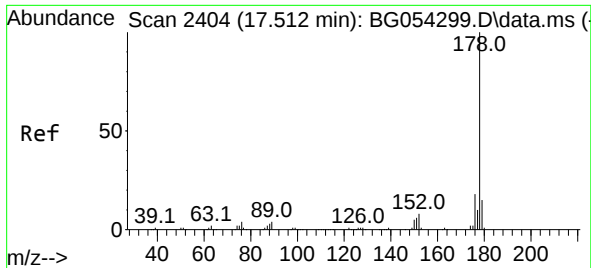
Tgt Ion:188 Resp: 162887
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.3 6.8 10.2#



#71
Phenanthrene
Concen: 30.046 ng
RT: 17.419 min Scan# 2388
Delta R.T. 0.001 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:178 Resp: 243727
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.6 12.1 18.1

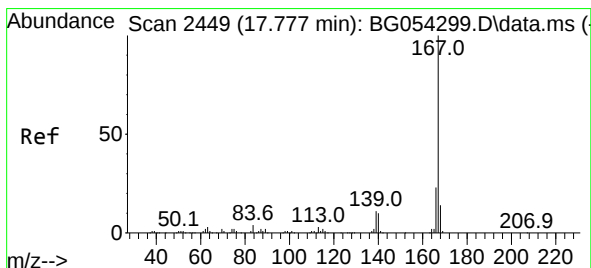
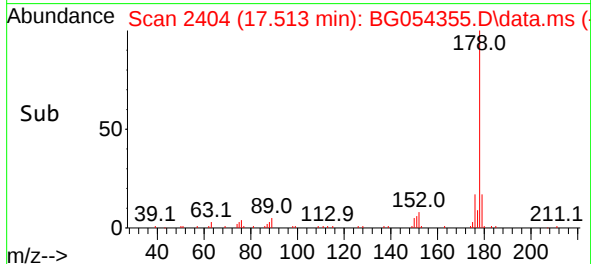
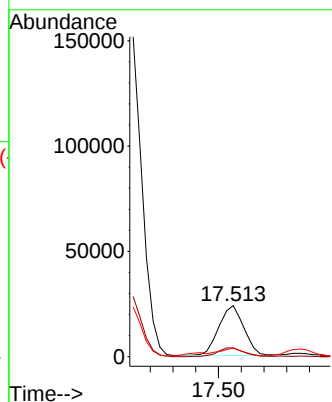
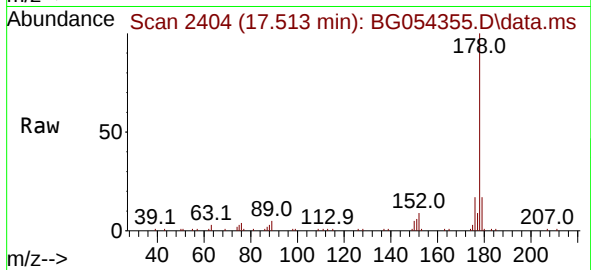




#72
 Anthracene
 Concen: 4.592 ng
 RT: 17.513 min Scan# 2404
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

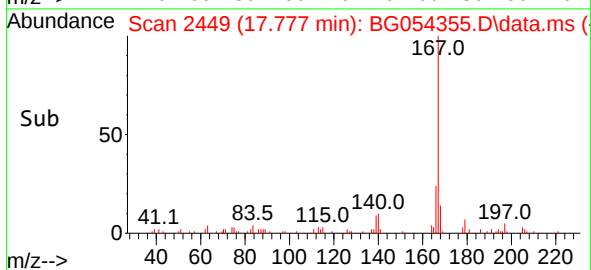
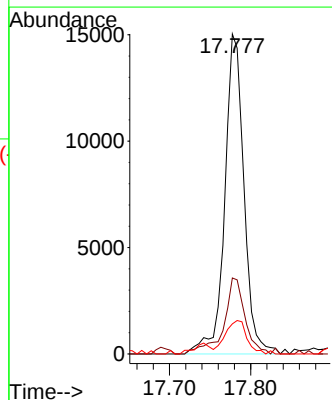
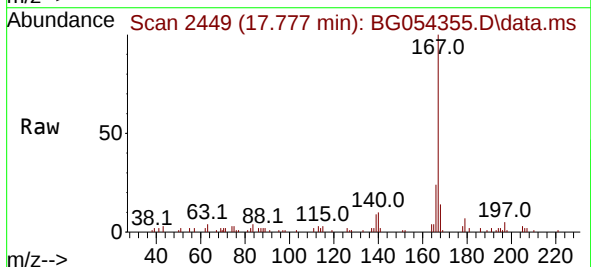
Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

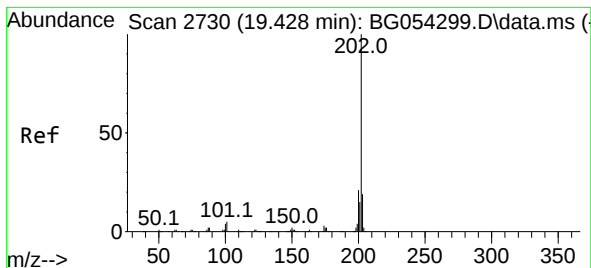
Tgt Ion:178 Resp: 36553
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.2 22.8
 179 16.6 13.0 19.4



#73
 Carbazole
 Concen: 3.779 ng
 RT: 17.777 min Scan# 2449
 Delta R.T. 0.001 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Tgt Ion:167 Resp: 24764
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 9.4 10.1 15.1#





#75

Fluoranthene

Concen: 63.716 ng

RT: 19.434 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

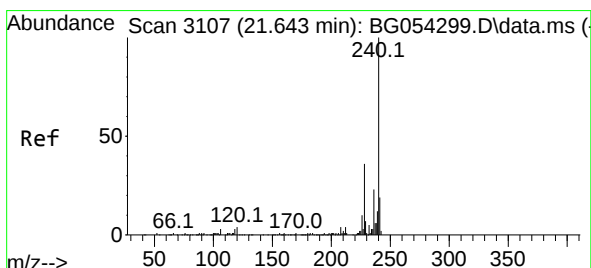
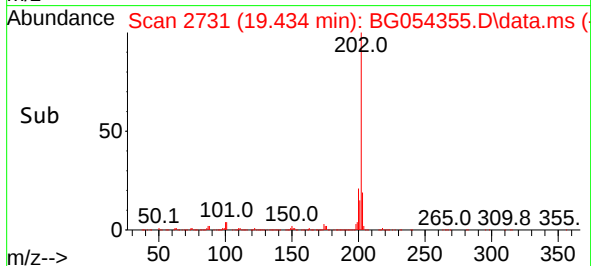
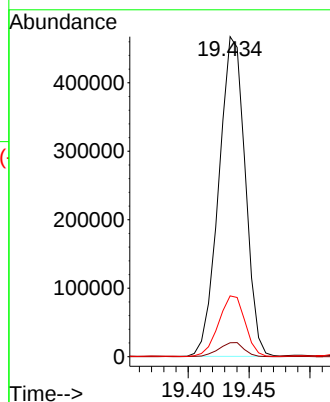
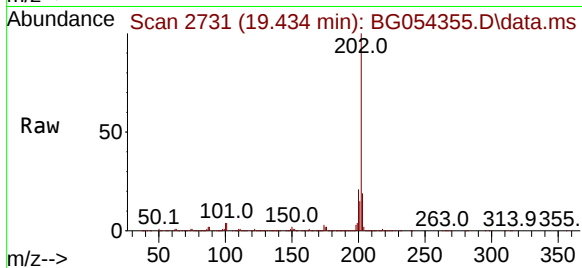
Tgt Ion:202 Resp: 704539

Ion Ratio Lower Upper

202 100

101 4.3 0.0 26.9

203 19.0 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.649 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

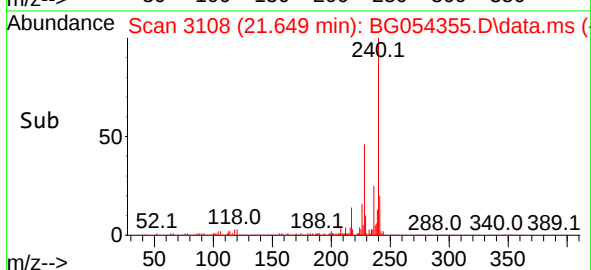
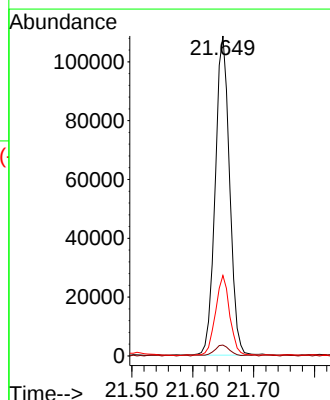
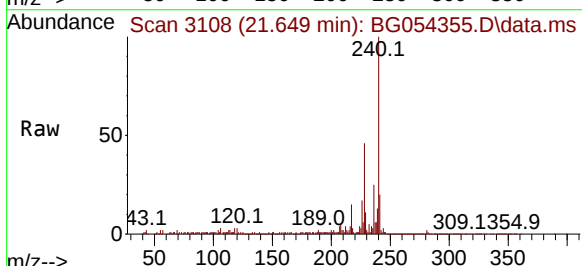
Tgt Ion:240 Resp: 178268

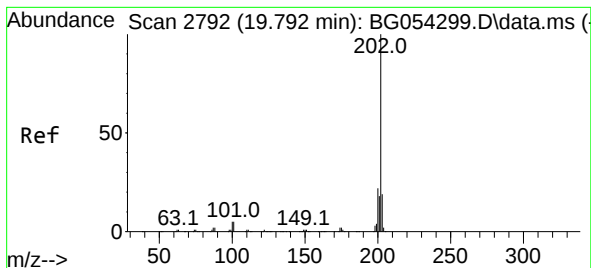
Ion Ratio Lower Upper

240 100

120 3.4 4.6 7.0#

236 25.1 20.2 30.4





#78

Pyrene

Concen: 62.161 ng

RT: 19.799 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

Instrument :

BNA_G

ClientSampleId :

72-11966DL

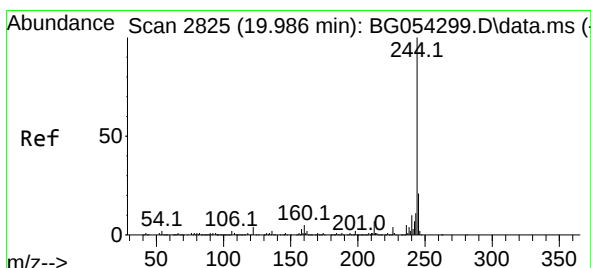
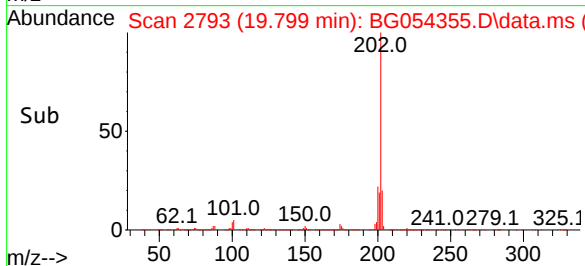
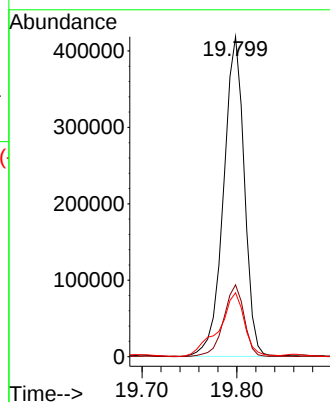
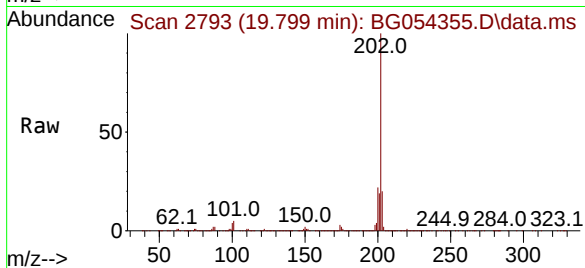
Tgt Ion:202 Resp: 635834

Ion Ratio Lower Upper

202 100

200 22.5 16.6 24.8

203 20.0 14.6 21.8



#79

Terphenyl-d14

Concen: 20.329 ng

RT: 19.987 min Scan# 2825

Delta R.T. 0.001 min

Lab File: BG054355.D

Acq: 21 Jul 2022 22:02

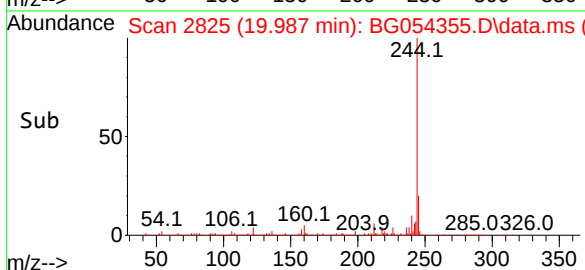
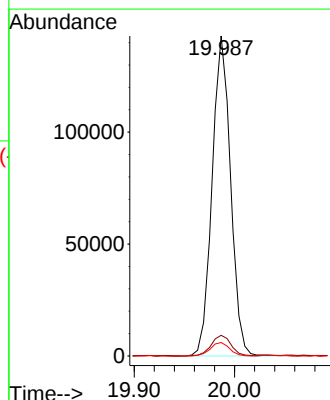
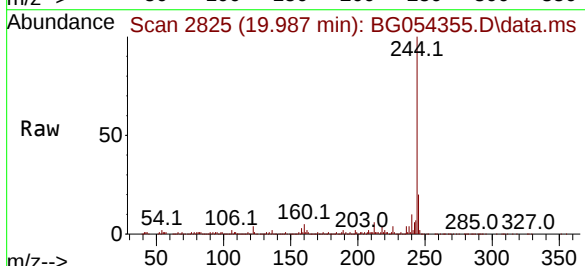
Tgt Ion:244 Resp: 182681

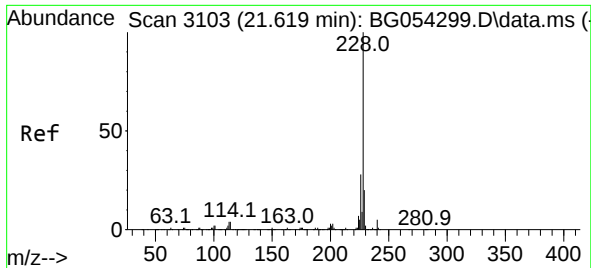
Ion Ratio Lower Upper

244 100

212 6.5 6.5 9.7#

122 4.2 5.0 7.4#

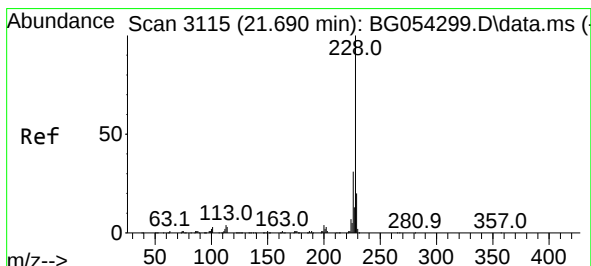
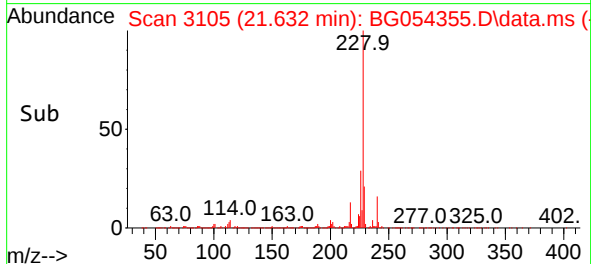
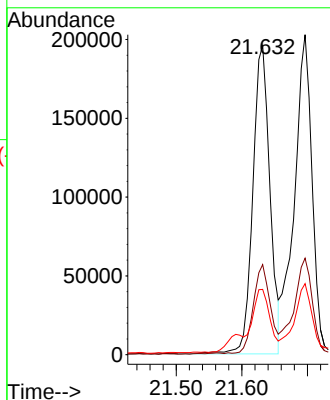
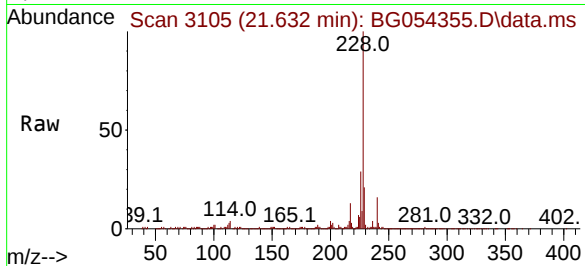




#81
Benzo(a)anthracene
Concen: 31.211 ng
RT: 21.632 min Scan# 3105
Delta R.T. 0.013 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

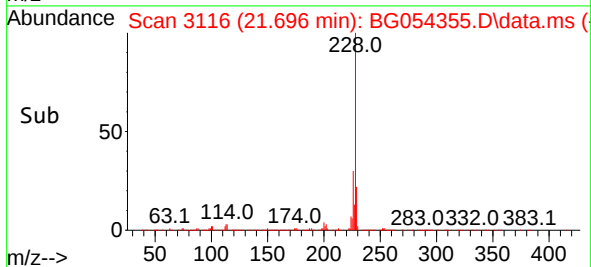
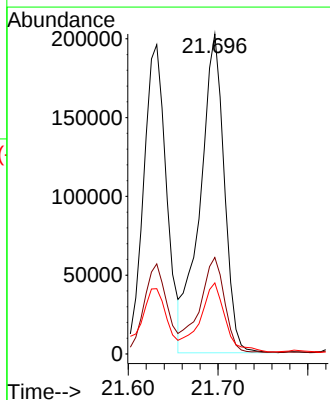
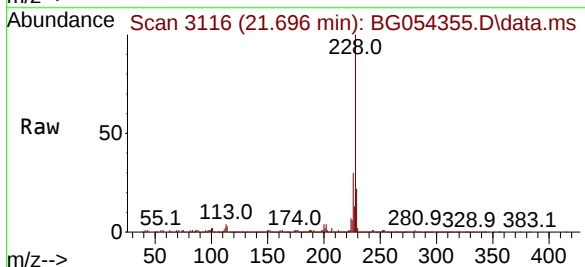
Instrument :
BNA_G
ClientSampleId :
72-11966DL

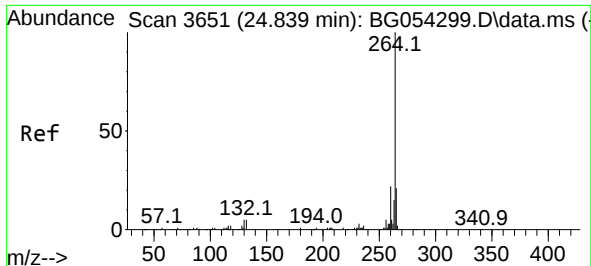
Tgt Ion:228 Resp: 353190
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 21.1 16.2 24.2



#83
Chrysene
Concen: 35.480 ng
RT: 21.696 min Scan# 3116
Delta R.T. 0.007 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:228 Resp: 379332
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 22.2 15.5 23.3

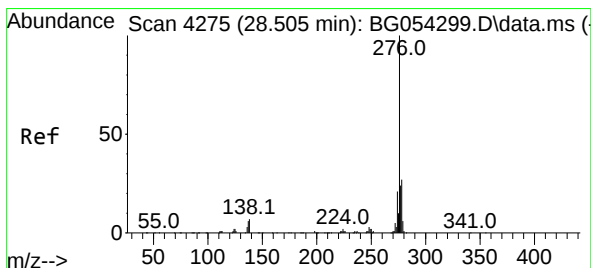
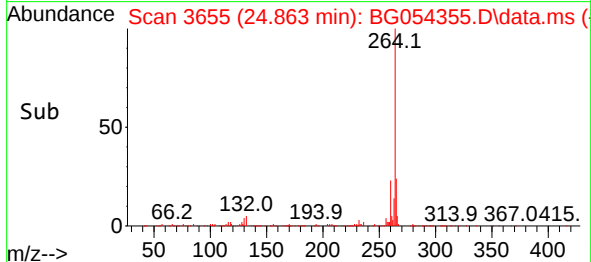
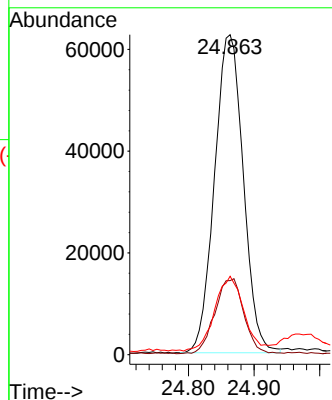
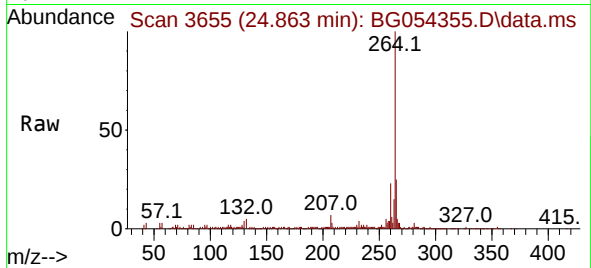




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.863 min Scan# 30
 Delta R.T. 0.024 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

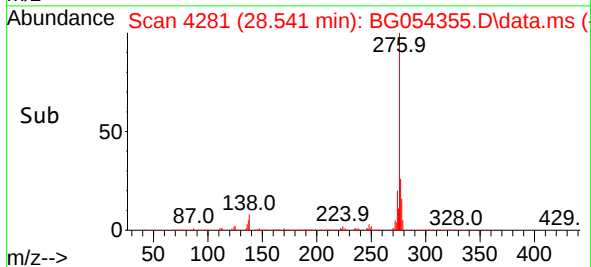
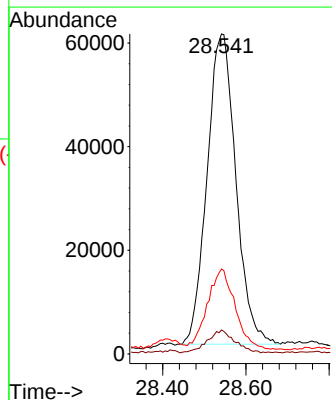
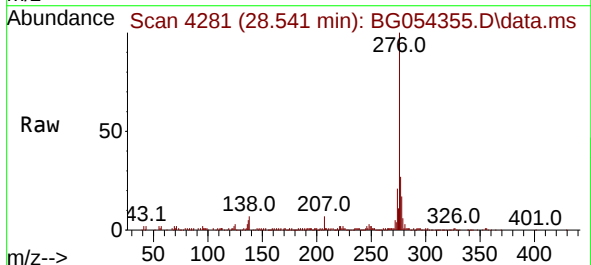
Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

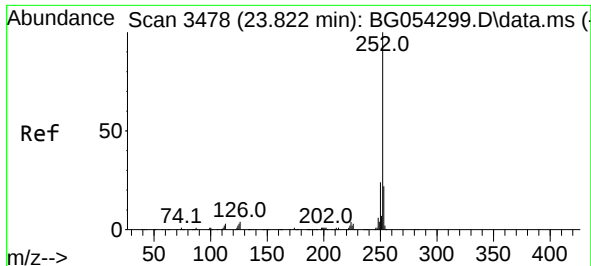
Tgt Ion:264 Resp: 190080
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 24.5 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.905 ng
 RT: 28.541 min Scan# 4281
 Delta R.T. 0.036 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Tgt Ion:276 Resp: 287826
 Ion Ratio Lower Upper
 276 100
 138 7.0 5.0 7.4
 277 24.7 20.3 30.5

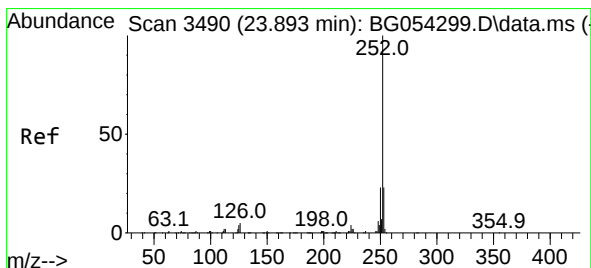
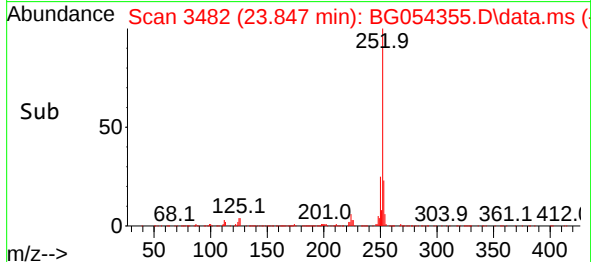
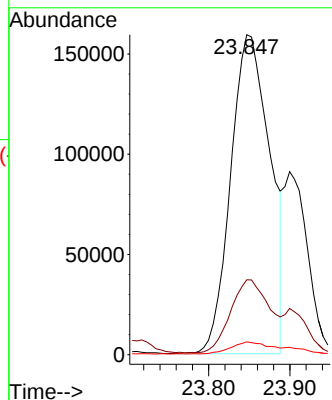
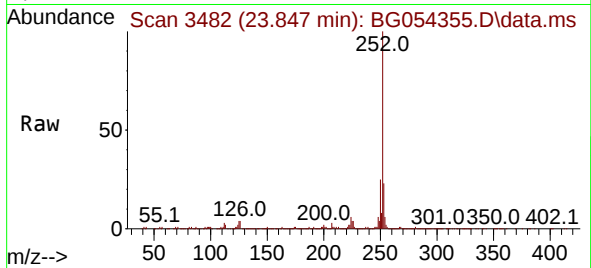




#88
Benzo(b)fluoranthene
Concen: 47.509 ng
RT: 23.847 min Scan# 3478
Delta R.T. 0.024 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

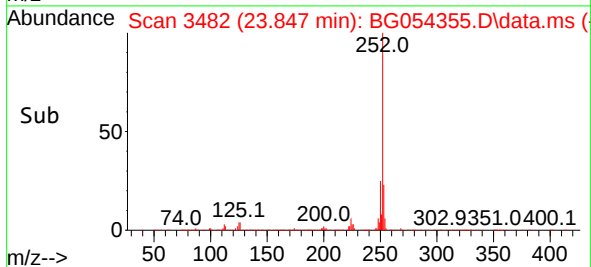
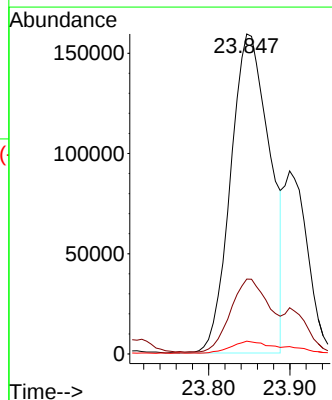
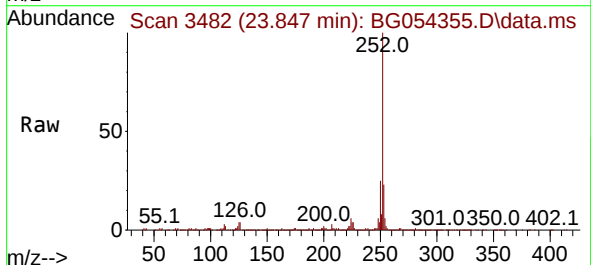
Instrument :
BNA_G
ClientSampleId :
72-11966DL

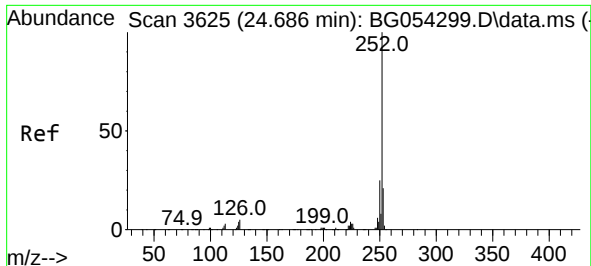
Tgt Ion:252 Resp: 534054
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 4.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 47.737 ng
RT: 23.847 min Scan# 3482
Delta R.T. -0.046 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:252 Resp: 534054
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 4.0 4.8 7.2#

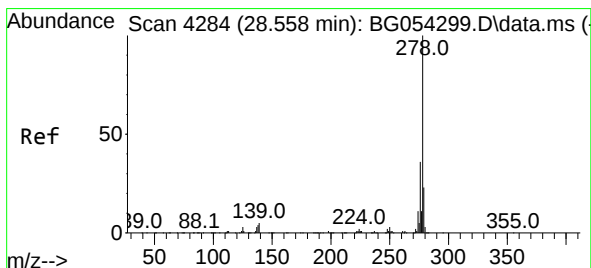
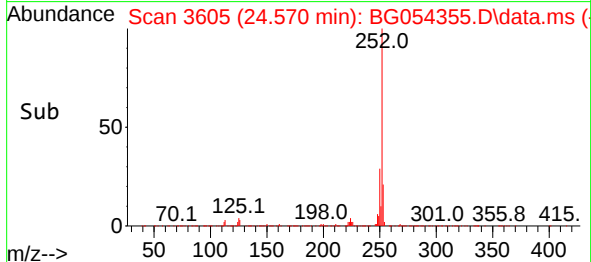
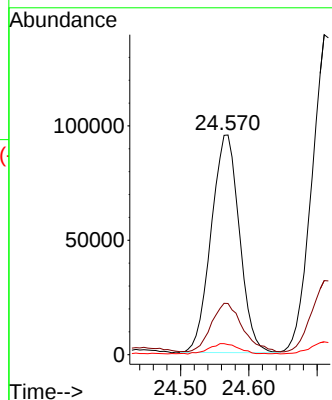
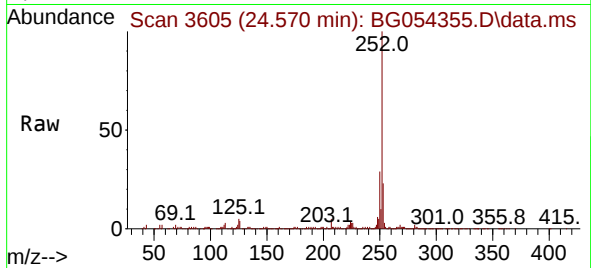




#90
Benzo(a)pyrene
Concen: 28.565 ng
RT: 24.570 min Scan# 30
Delta R.T. -0.117 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

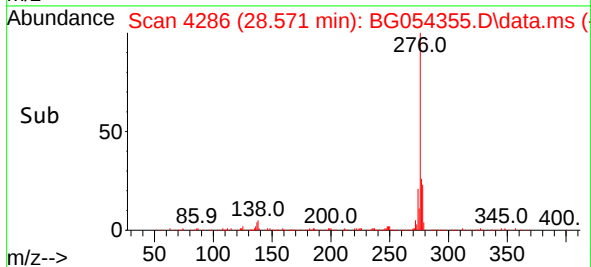
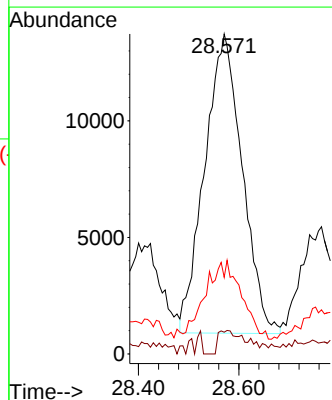
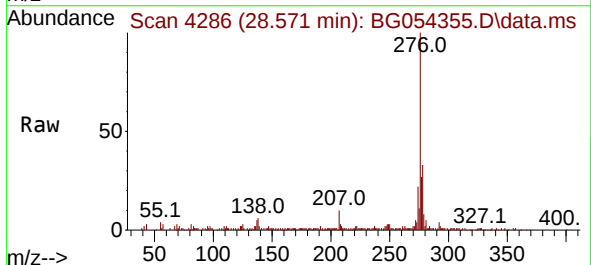
Instrument :
BNA_G
ClientSampleId :
72-11966DL

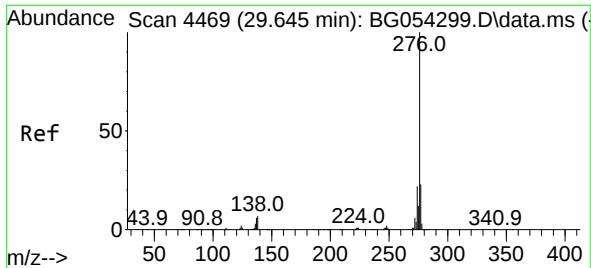
Tgt Ion:252 Resp: 274220
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 4.6 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 5.626 ng
RT: 28.571 min Scan# 4286
Delta R.T. 0.013 min
Lab File: BG054355.D
Acq: 21 Jul 2022 22:02

Tgt Ion:278 Resp: 66899
Ion Ratio Lower Upper
278 100
139 6.8 7.2 10.8#
279 23.9 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 25.968 ng
 RT: 29.693 min Scan# 44
 Delta R.T. 0.048 min
 Lab File: BG054355.D
 Acq: 21 Jul 2022 22:02

Instrument :
 BNA_G
 ClientSampleId :
 72-11966DL

Tgt Ion:276 Resp: 304746
 Ion Ratio Lower Upper
 276 100
 277 24.1 17.3 25.9
 138 7.1 9.6 14.4#

