

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054399.D
 Acq On : 26 Jul 2022 15:31
 Operator : CG/JU
 Sample : N3857-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Jul 27 04:33:33 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)

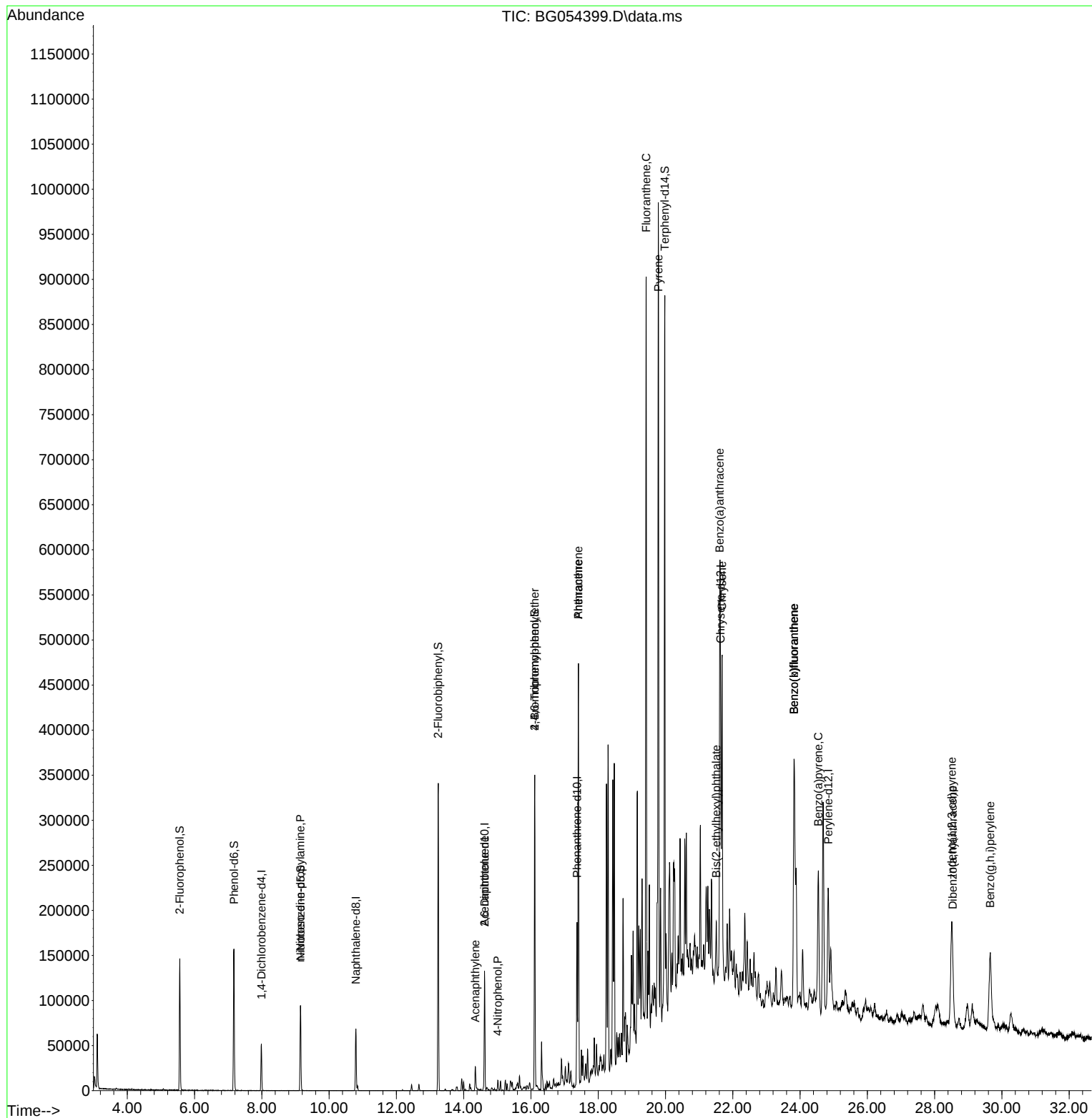
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	16671	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	63418	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	51300	20.000	ng	-0.01
64) Phenanthrene-d10	17.371	188	130933	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	143930	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	159177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	66074	82.751	ng	0.00
7) Phenol-d6	7.171	99	92030	84.115	ng	0.00
23) Nitrobenzene-d5	9.151	82	61407	52.730	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	91927	85.346	ng	-0.01
45) 2-Fluorobiphenyl	13.246	172	201551	55.424	ng	-0.01
79) Terphenyl-d14	19.980	244	436357	60.144	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.145	70	8855	12.120	ng	# 80
49) Acenaphthylene	14.351	152	24737	5.668	ng	# 96
51) 2,6-Dinitrotoluene	14.621	165	7513	8.548	ng	# 18
56) 4-Nitrophenol	15.015	139	1100	2.243	ng	# 1
67) 4-Bromophenyl-phenylether	16.114	248	5293	2.878	ng	# 1
71) Phenanthrene	17.412	178	336879	51.665	ng	97
72) Anthracene	17.412	178	336879	52.649	ng	99
75) Fluoranthene	19.427	202	556419	62.601	ng	94
78) Pyrene	19.786	202	641841	77.718	ng	96
81) Benzo(a)anthracene	21.613	228	311702	34.116	ng	98
83) Chrysene	21.684	228	302354	35.027	ng	96
84) Bis(2-ethylhexyl)phtha...	21.513	149	23224	6.377	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.511	276	217847	17.990	ng	# 97
88) Benzo(b)fluoranthene	23.822	252	408852	43.432	ng	# 98
89) Benzo(k)fluoranthene	23.822	252	408852	43.641	ng	# 98
90) Benzo(a)pyrene	24.545	252	191349	23.802	ng	98
91) Dibenzo(a,h)anthracene	28.540	278	60544	6.080	ng	# 90
92) Benzo(g,h,i)perylene	29.657	276	211605	21.532	ng	# 91

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

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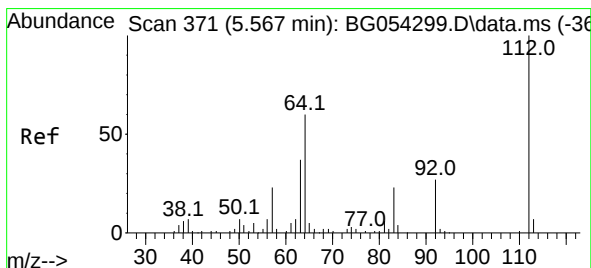
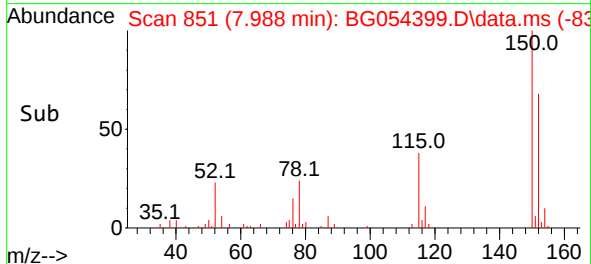
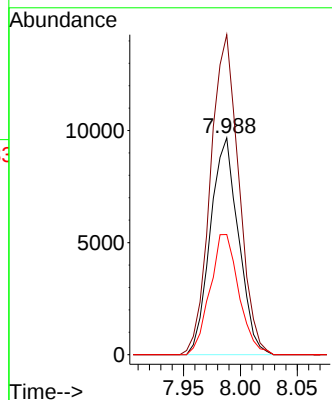
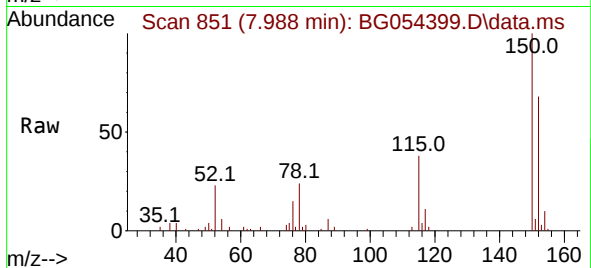




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

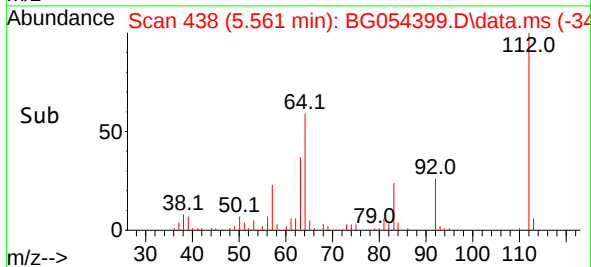
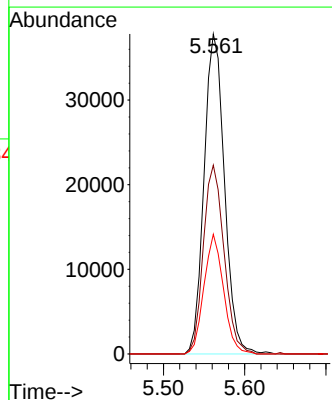
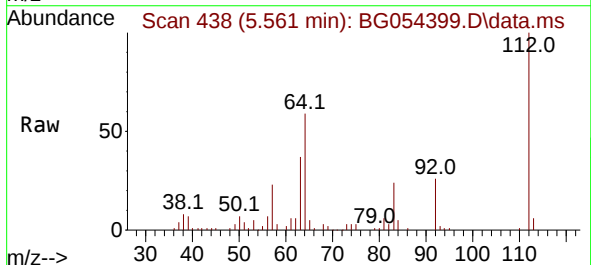
Instrument :
BNA_G
ClientSampleId :
TP-4

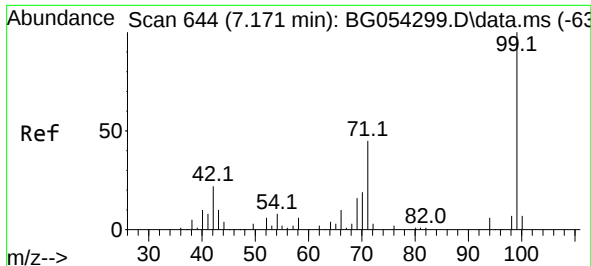
Tgt Ion:152 Resp: 16671
Ion Ratio Lower Upper
152 100
150 147.6 131.6 197.4
115 55.4 50.9 76.3



#5
2-Fluorophenol
Concen: 82.751 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:112 Resp: 66074
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 37.4 30.4 45.6

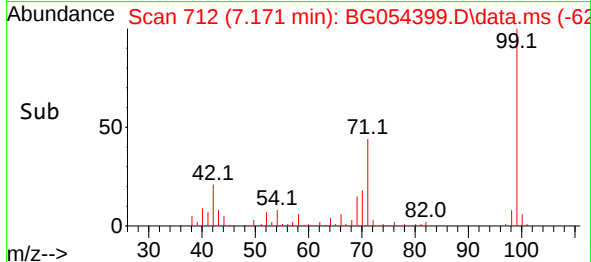
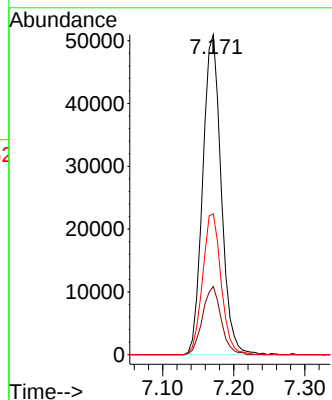
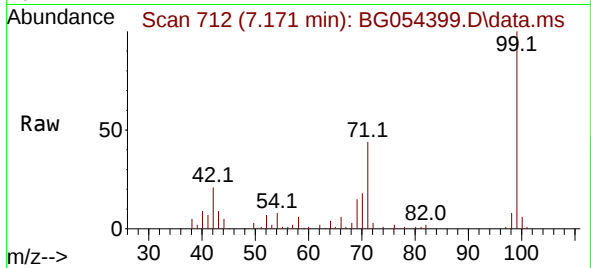




#7
Phenol-d6
Concen: 84.115 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

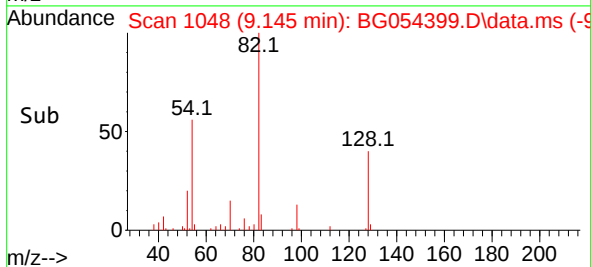
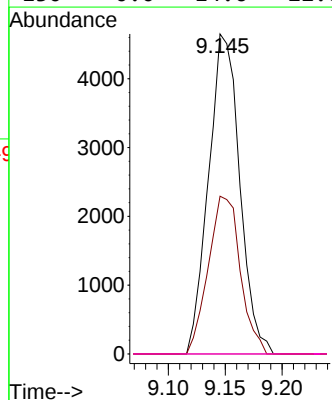
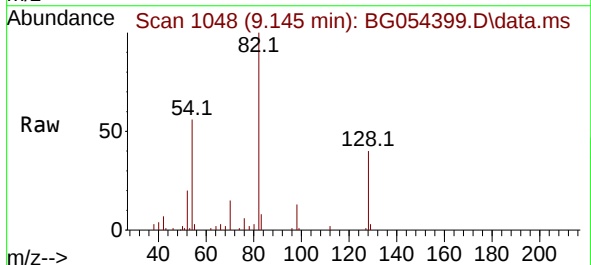
Instrument :
BNA_G
ClientSampleId :
TP-4

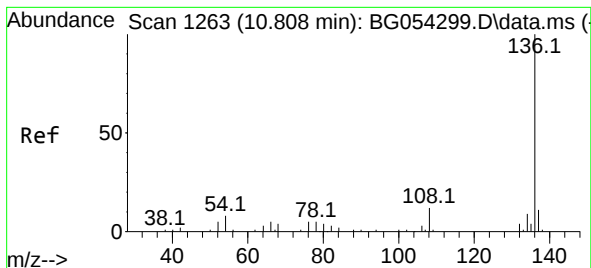
Tgt Ion: 99 Resp: 92030
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.120 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.341 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion: 70 Resp: 8855
Ion Ratio Lower Upper
70 100
42 49.3 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: 10.796 min Scan# 11

Delta R.T. -0.012 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion:136 Resp: 63418

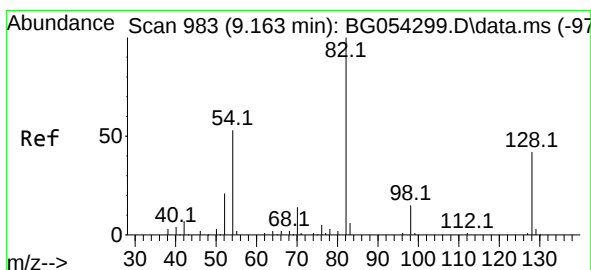
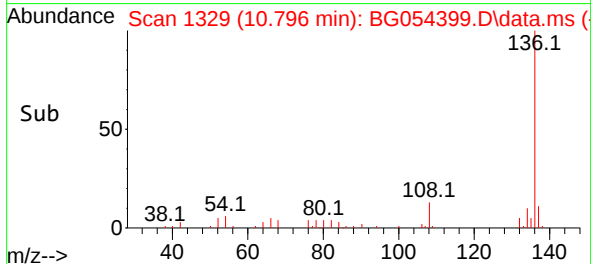
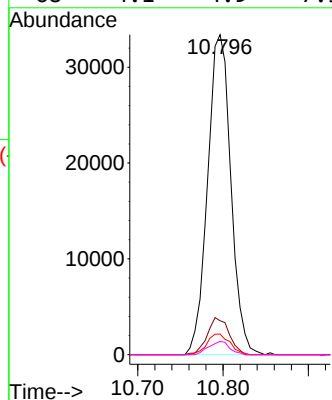
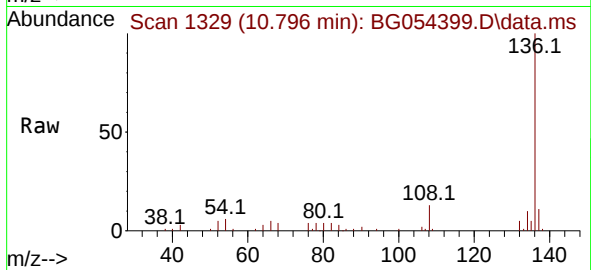
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.5 7.4 11.2#

68 4.1 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 52.730 ng

RT: 9.151 min Scan# 1049

Delta R.T. -0.012 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

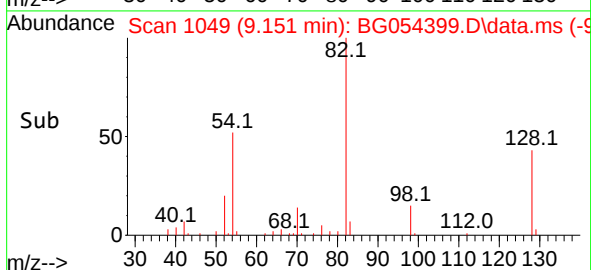
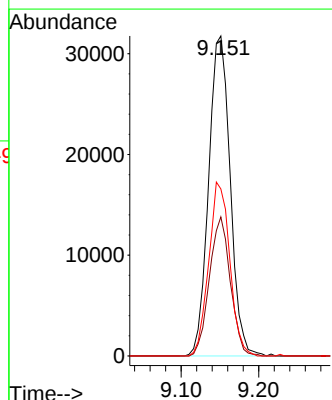
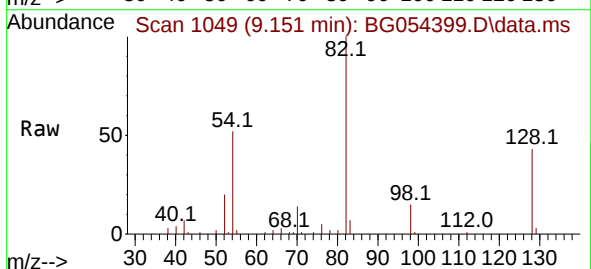
Tgt Ion: 82 Resp: 61407

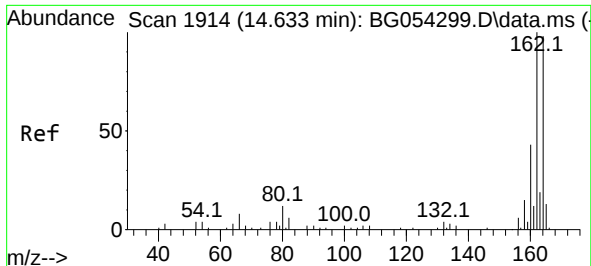
Ion Ratio Lower Upper

82 100

128 43.5 27.9 41.9#

54 52.2 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.621 min Scan# 1914

Delta R.T. -0.012 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

Instrument :

BNA_G

ClientSampleId :

TP-4

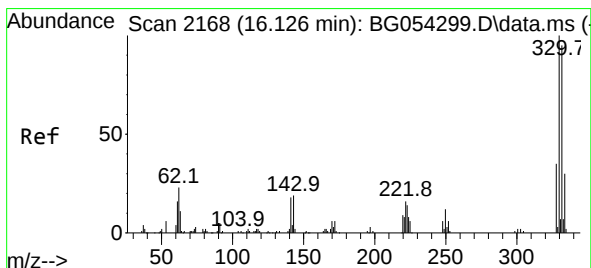
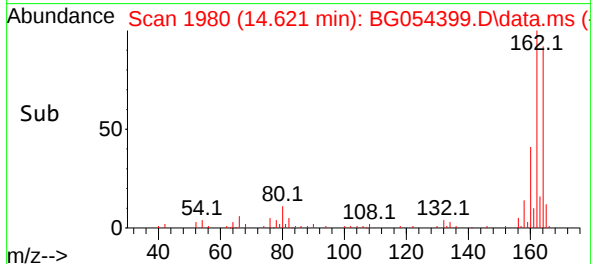
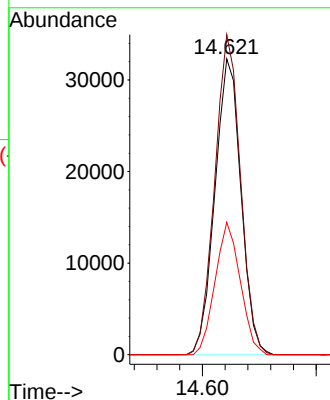
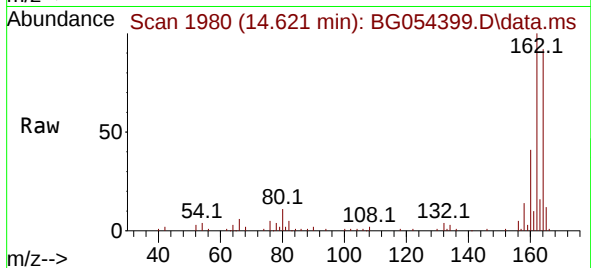
Tgt Ion:164 Resp: 51300

Ion Ratio Lower Upper

164 100

162 108.1 82.3 123.5

160 44.7 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 85.346 ng

RT: 16.114 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

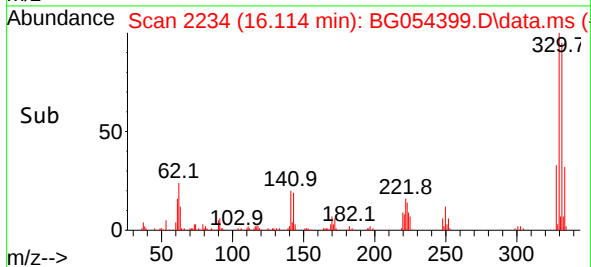
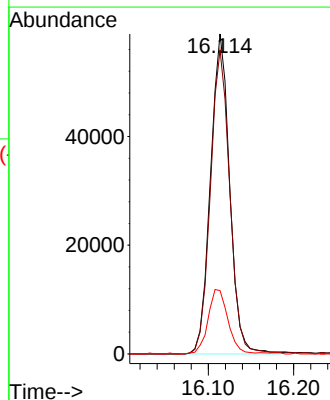
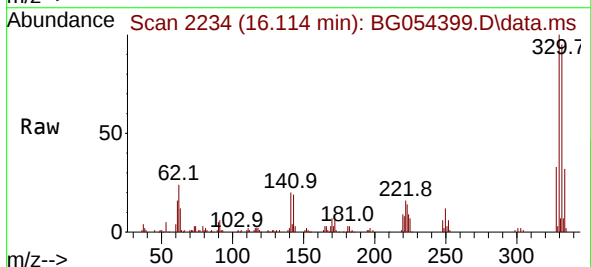
Tgt Ion:330 Resp: 91927

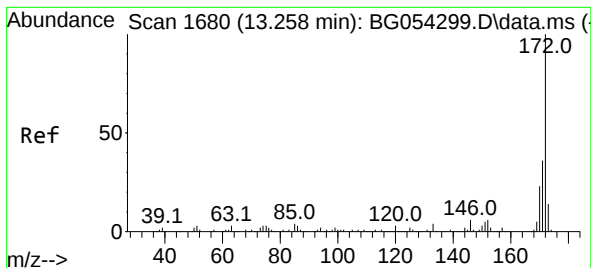
Ion Ratio Lower Upper

330 100

332 96.4 76.0 114.0

141 21.3 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 55.424 ng

RT: 13.246 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

Instrument :

BNA_G

ClientSampleId :

TP-4

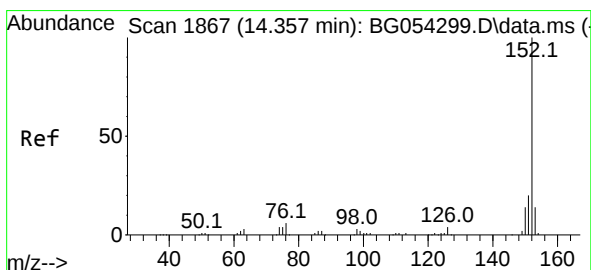
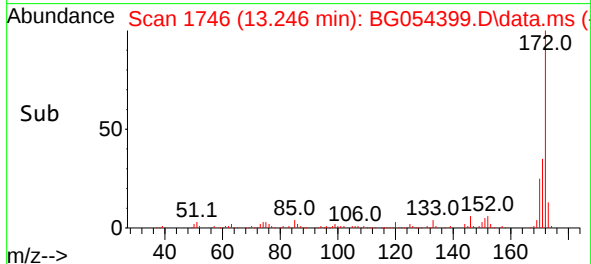
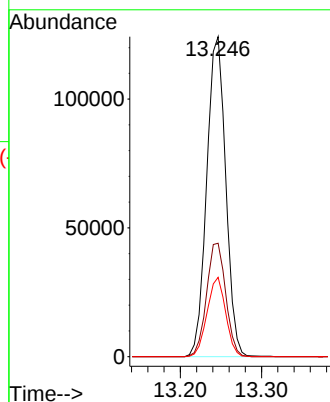
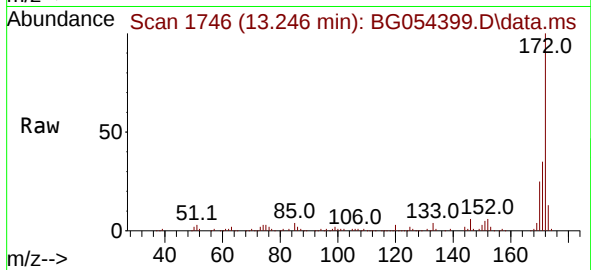
Tgt Ion:172 Resp: 201551

Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

170 24.8 18.9 28.3



#49

Acenaphthylene

Concen: 5.668 ng

RT: 14.351 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

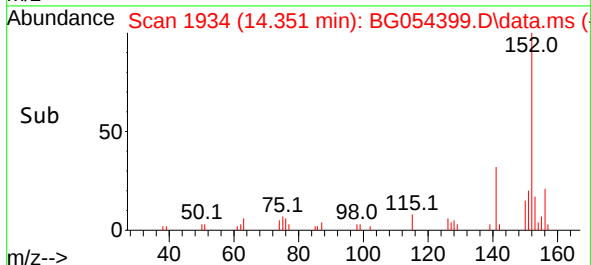
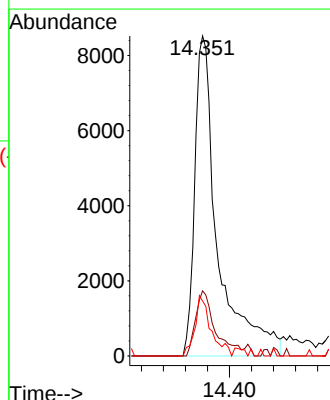
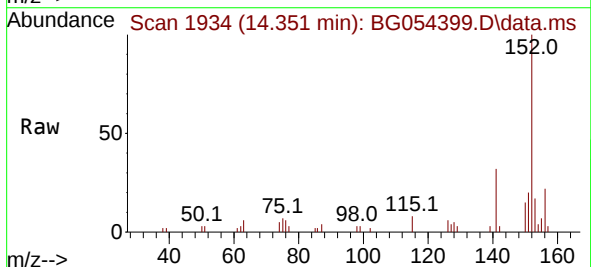
Tgt Ion:152 Resp: 24737

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

153 17.2 10.8 16.2#

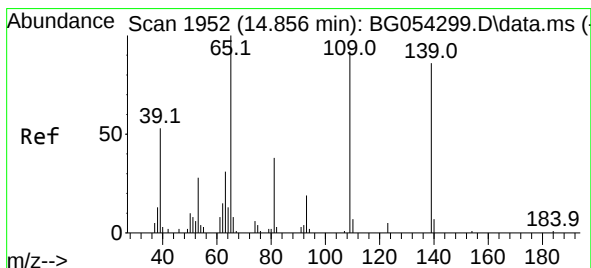
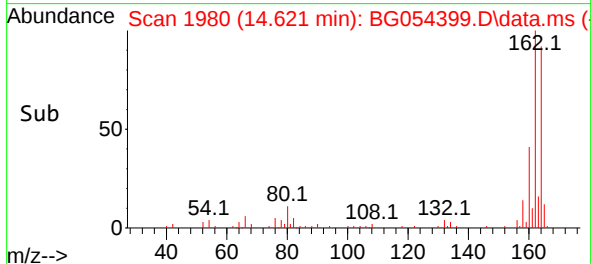
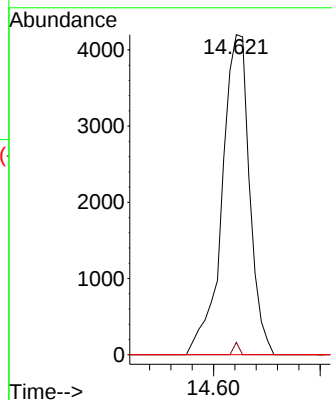
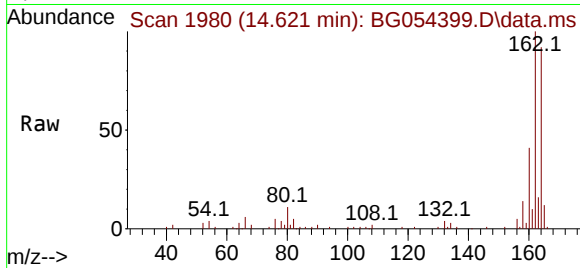




#51
2,6-Dinitrotoluene
Concen: 8.548 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.417 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

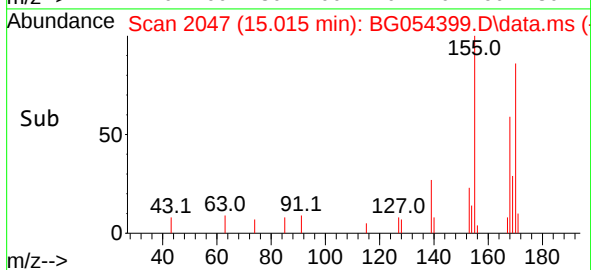
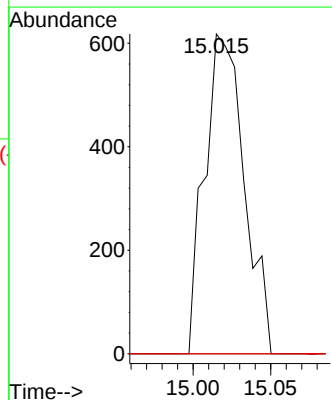
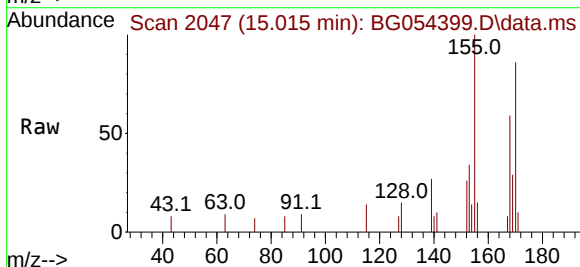
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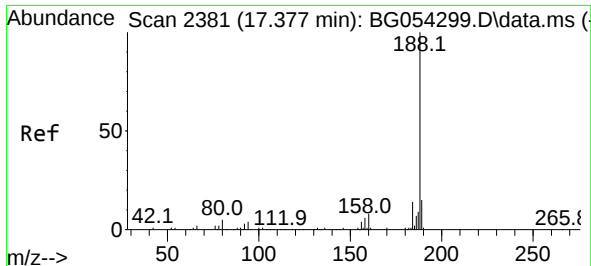
Tgt Ion:165 Resp: 7513
Ion Ratio Lower Upper
165 100
63 3.8 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 2.243 ng
RT: 15.015 min Scan# 2047
Delta R.T. 0.159 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:139 Resp: 1100
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

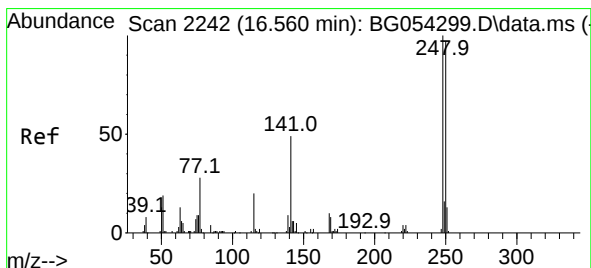
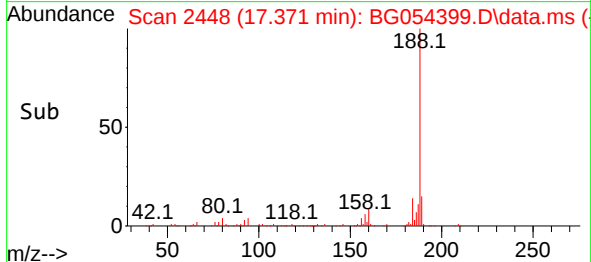
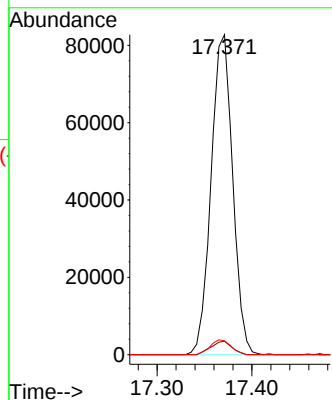
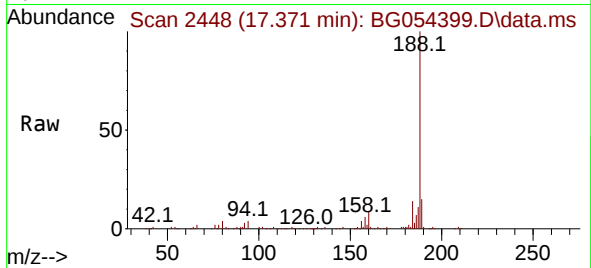




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

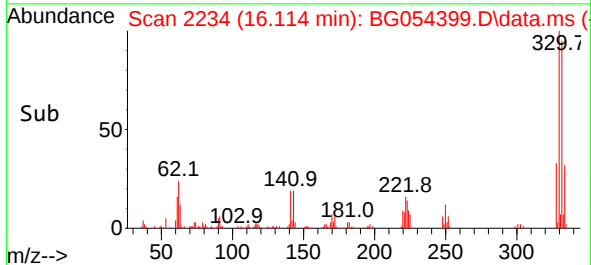
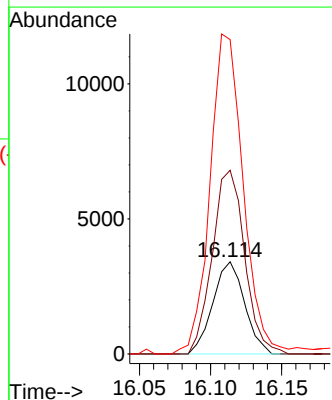
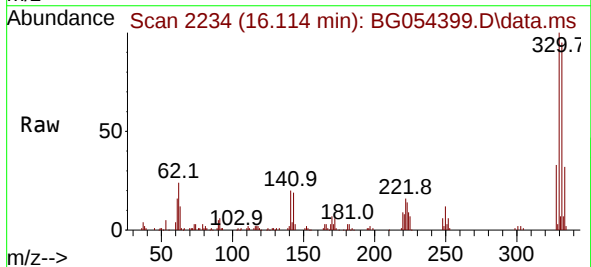
Instrument :
BNA_G
ClientSampleId :
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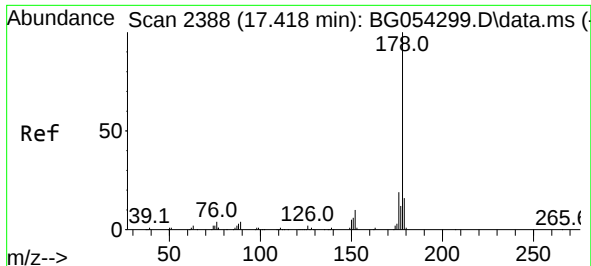
Tgt Ion:188 Resp: 130933
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.3 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 2.878 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.447 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:248 Resp: 5293
Ion Ratio Lower Upper
248 100
250 151.5 75.2 112.8#
141 259.3 50.0 75.0#

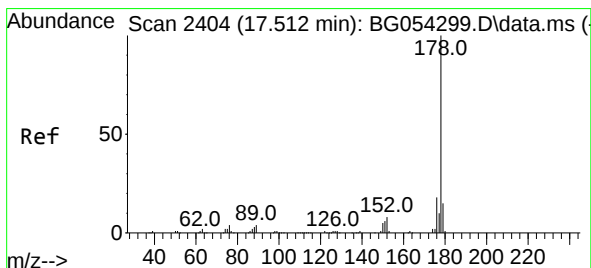
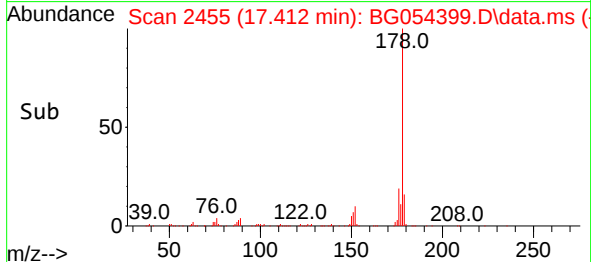
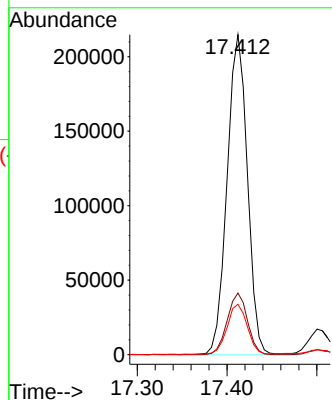
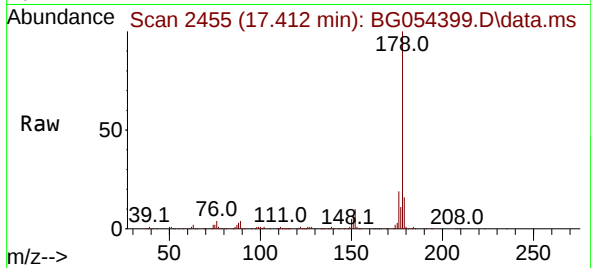




#71
Phenanthrene
Concen: 51.665 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

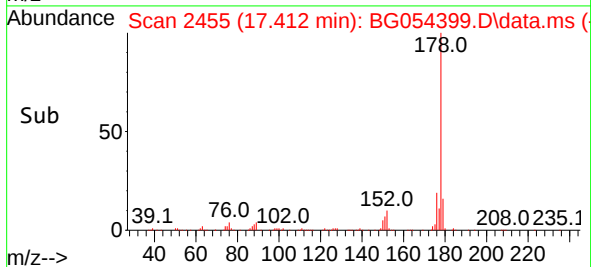
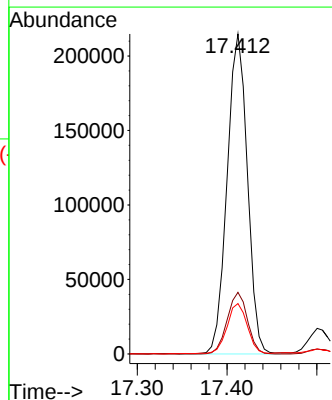
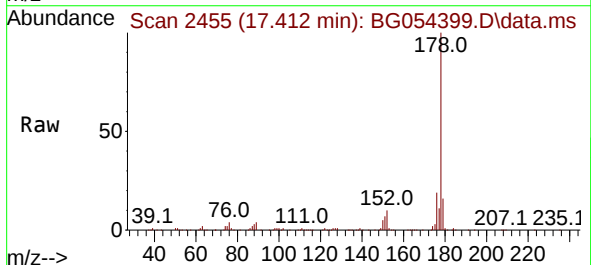
Instrument :
BNA_G
ClientSampleId :
TP-4

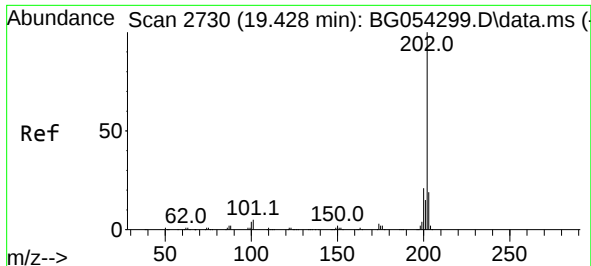
Tgt Ion:178 Resp: 336879
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 15.8 12.1 18.1



#72
Anthracene
Concen: 52.649 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.100 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:178 Resp: 336879
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.8 13.0 19.4

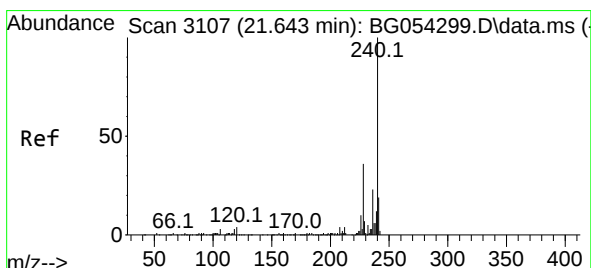
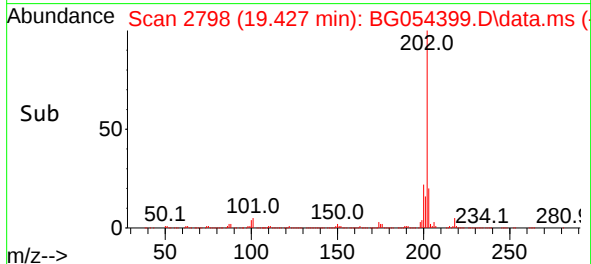
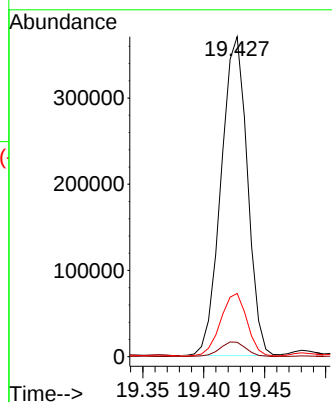
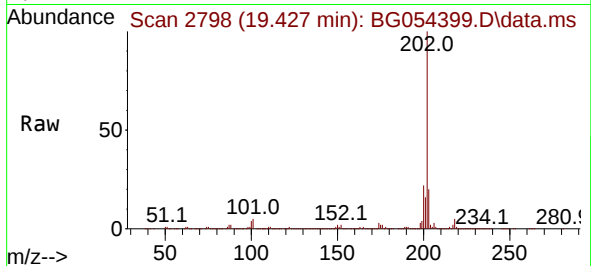




#75
Fluoranthene
Concen: 62.601 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

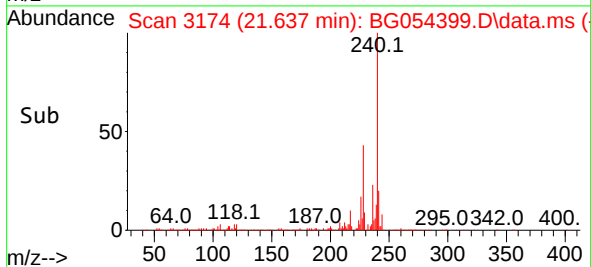
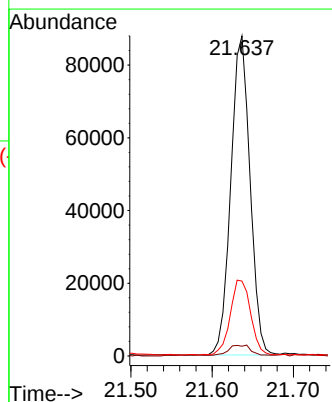
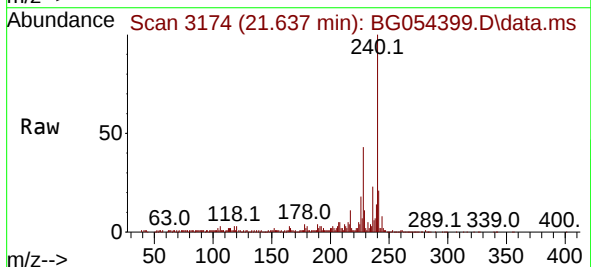
Instrument :
BNA_G
ClientSampleId :
TP-4

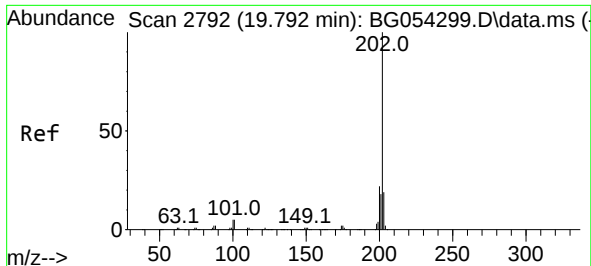
Tgt Ion:202 Resp: 556419
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:240 Resp: 143930
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 23.4 20.2 30.4

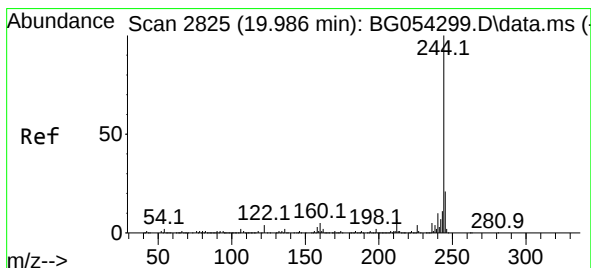
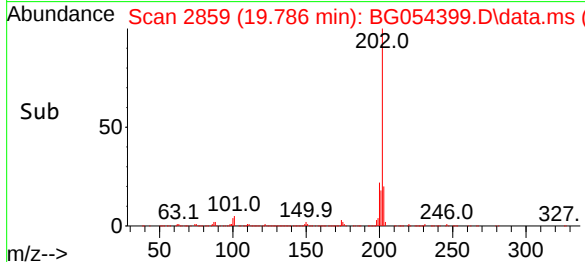
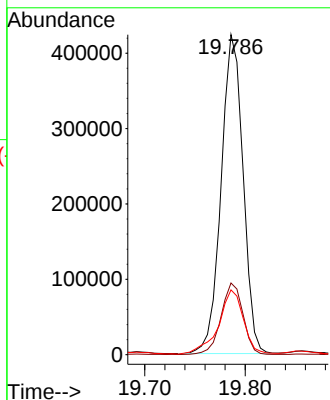
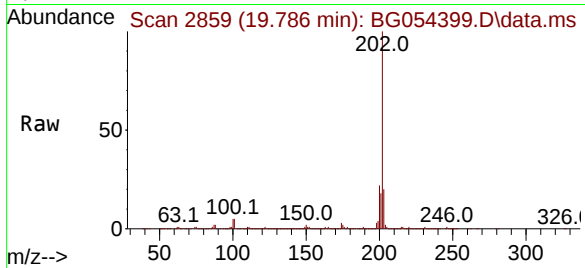




#78
 Pyrene
 Concen: 77.718 ng
 RT: 19.786 min Scan# 2859
 Delta R.T. -0.006 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

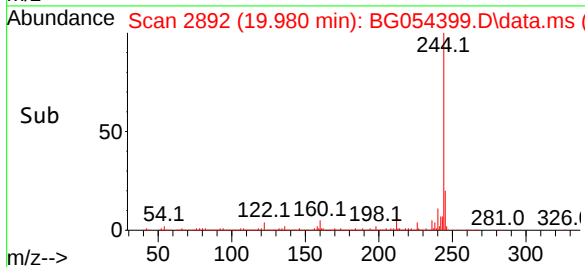
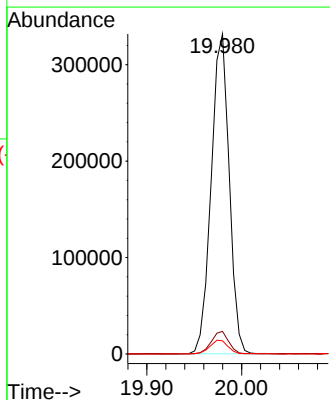
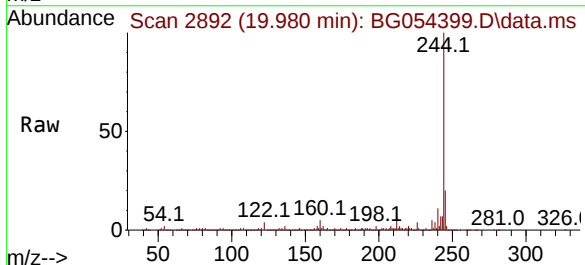
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

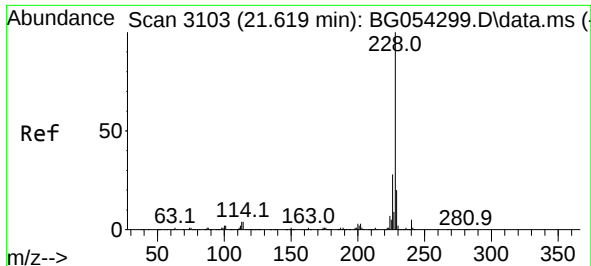
Tgt Ion:	202	Resp:	641841
Ion Ratio	Lower	Upper	
202	100		
200	22.4	16.6	24.8
203	20.2	14.6	21.8



#79
 Terphenyl-d14
 Concen: 60.144 ng
 RT: 19.980 min Scan# 2892
 Delta R.T. -0.006 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

Tgt Ion:	244	Resp:	436357
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.5	9.7
122	4.1	5.0	7.4#

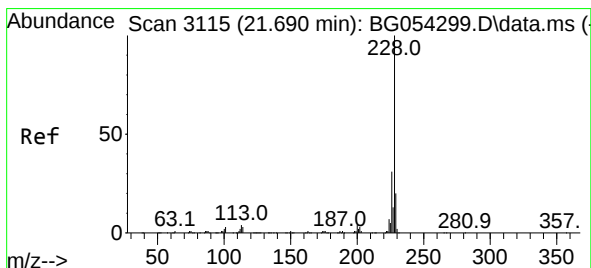
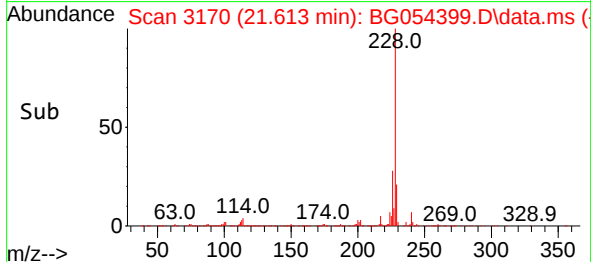
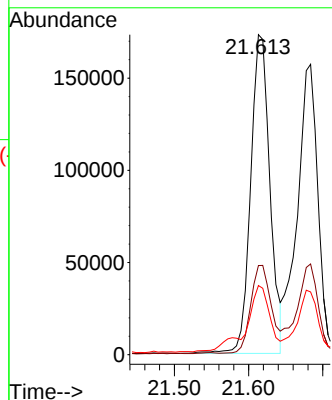
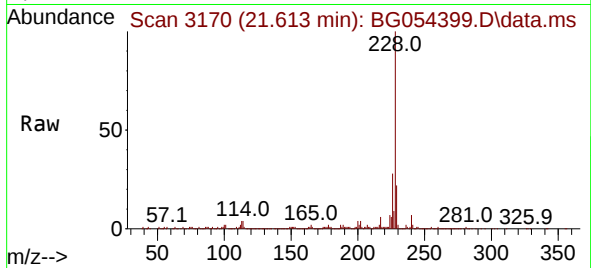




#81
Benzo(a)anthracene
Concen: 34.116 ng
RT: 21.613 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

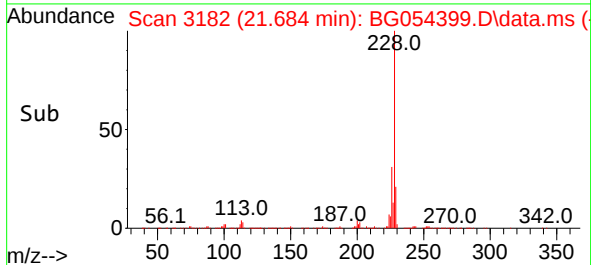
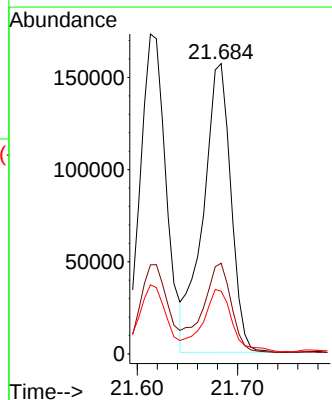
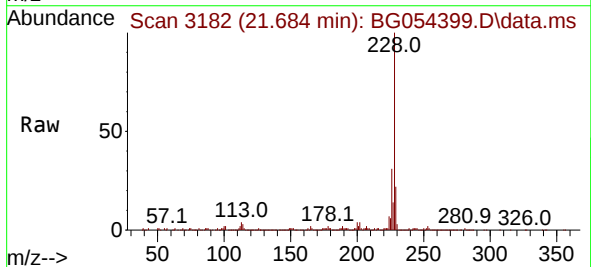
Instrument :
BNA_G
ClientSampleId :
TP-4

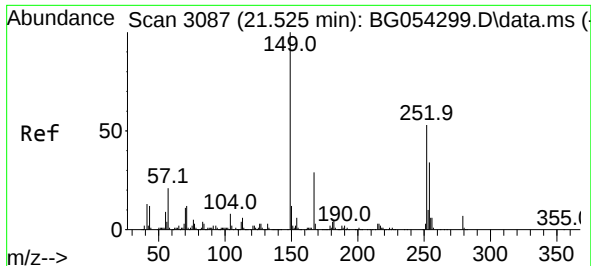
Tgt Ion:228 Resp: 311702
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 21.6 16.2 24.2



#83
Chrysene
Concen: 35.027 ng
RT: 21.684 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:228 Resp: 302354
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 21.6 15.5 23.3

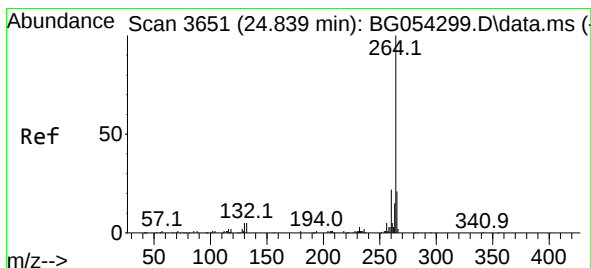
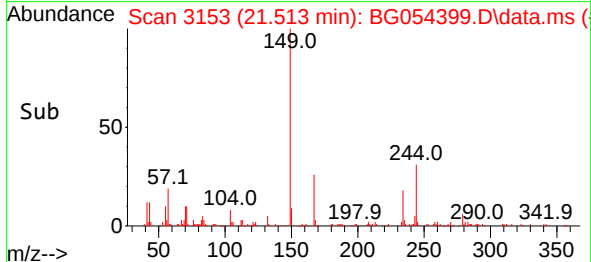
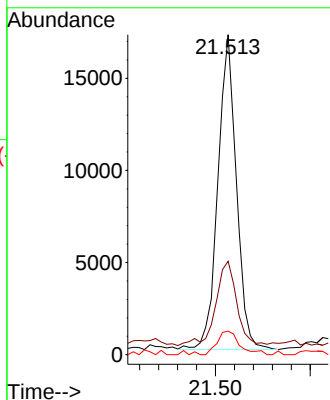
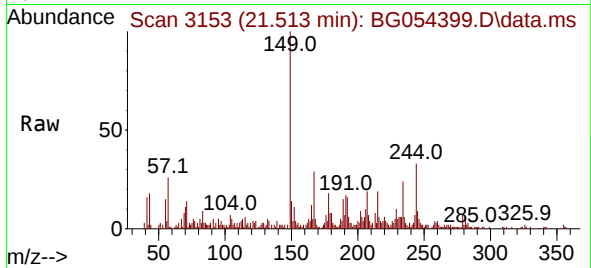




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.377 ng
RT: 21.513 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

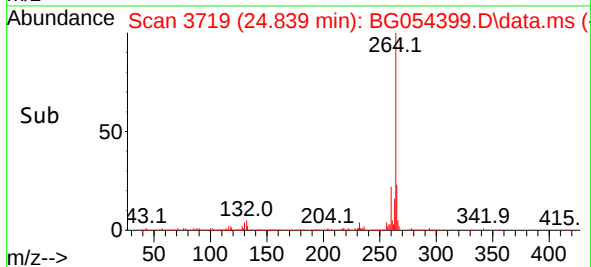
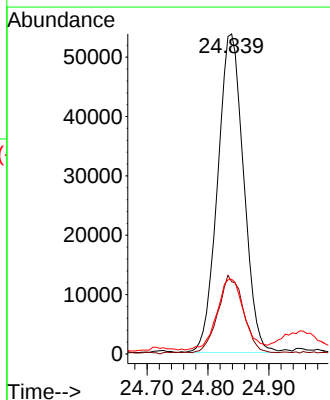
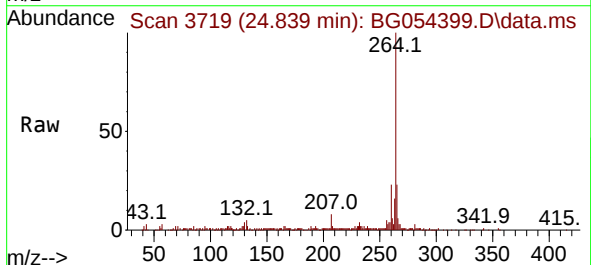
Instrument :
BNA_G
ClientSampleId :
TP-4

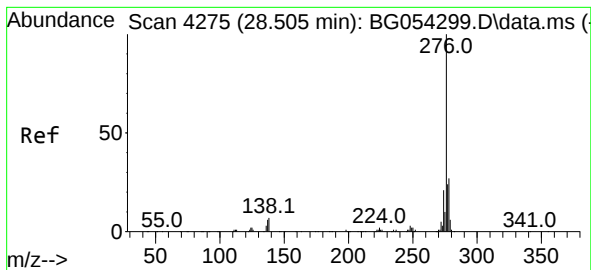
Tgt Ion:149 Resp: 23224
Ion Ratio Lower Upper
149 100
167 29.2 20.2 30.4
279 7.3 3.6 5.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3719
Delta R.T. -0.000 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:264 Resp: 159177
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.990 ng

RT: 28.511 min Scan# 41

Delta R.T. 0.006 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

Instrument :

BNA_G

ClientSampleId :

TP-4

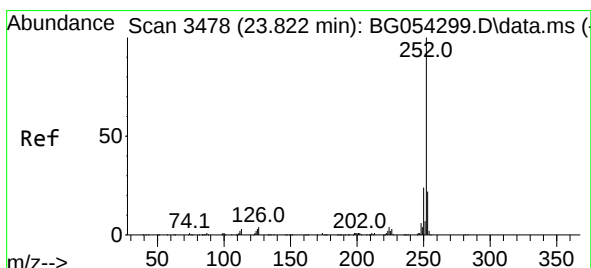
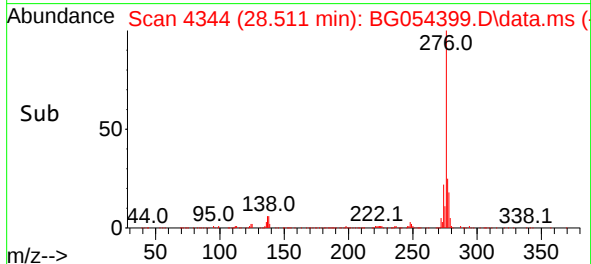
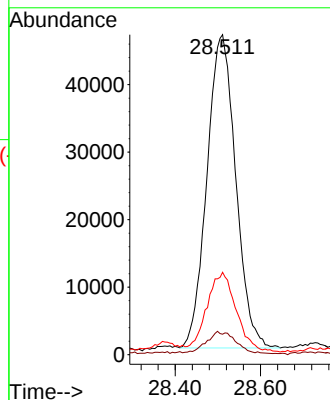
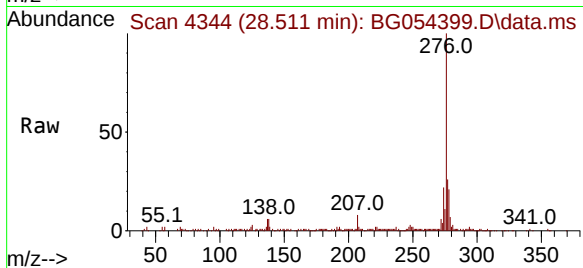
Tgt Ion:276 Resp: 217847

Ion Ratio Lower Upper

276 100

138 3.5 5.0 7.4#

277 26.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 43.432 ng

RT: 23.822 min Scan# 3546

Delta R.T. -0.000 min

Lab File: BG054399.D

Acq: 26 Jul 2022 15:31

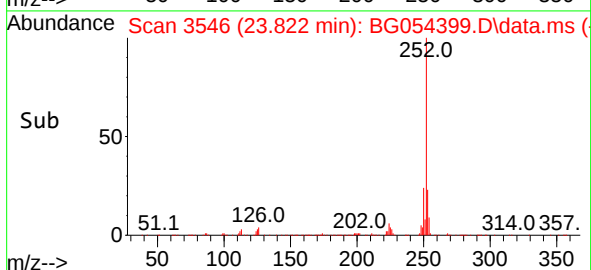
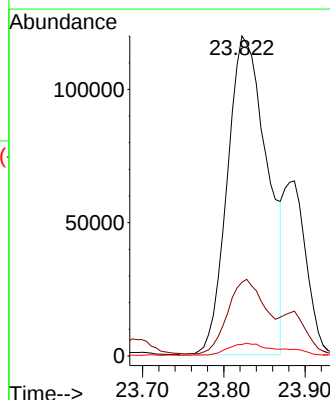
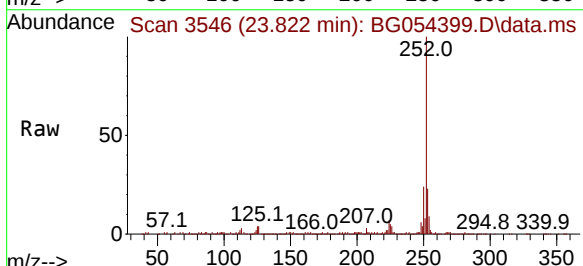
Tgt Ion:252 Resp: 408852

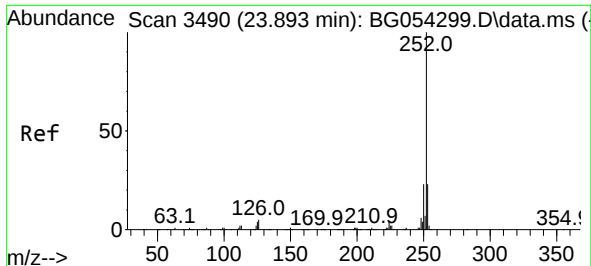
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 3.6 4.6 6.8#

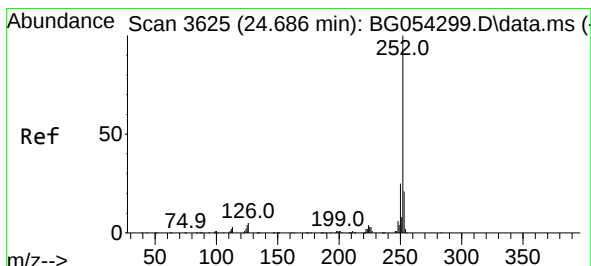
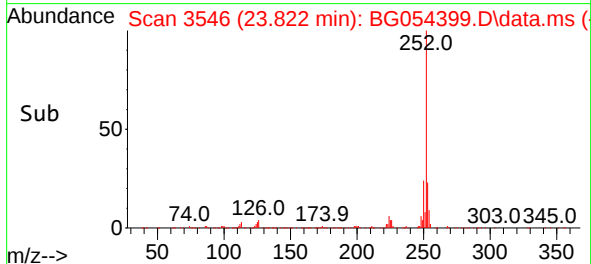
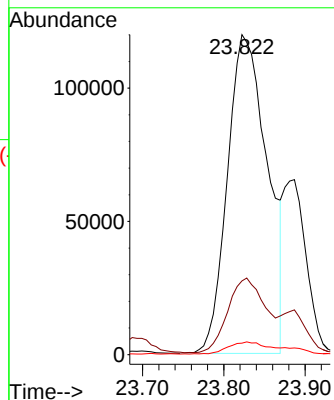
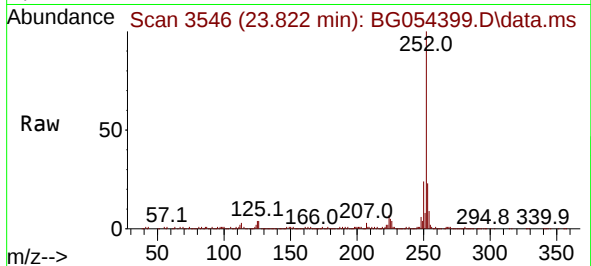




#89
Benzo(k)fluoranthene
Concen: 43.641 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

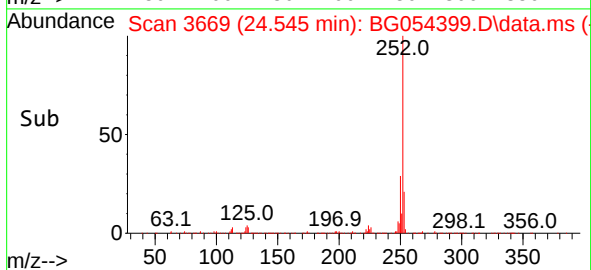
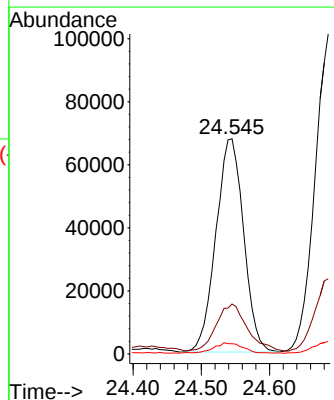
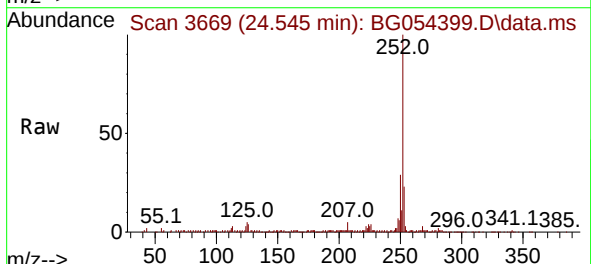
Instrument :
BNA_G
ClientSampleId :
TP-4

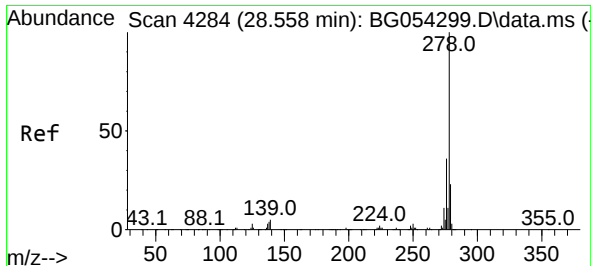
Tgt Ion:252 Resp: 408852
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 3.6 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 23.802 ng
RT: 24.545 min Scan# 3669
Delta R.T. -0.141 min
Lab File: BG054399.D
Acq: 26 Jul 2022 15:31

Tgt Ion:252 Resp: 191349
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 4.8 4.3 6.5

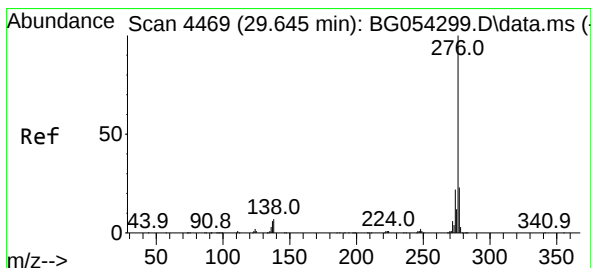
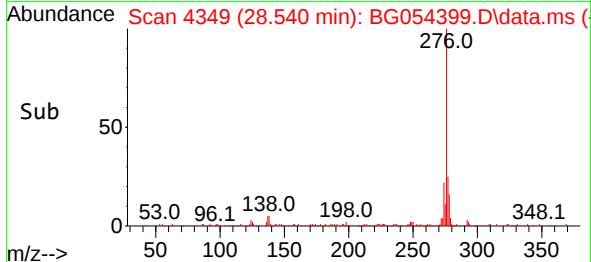
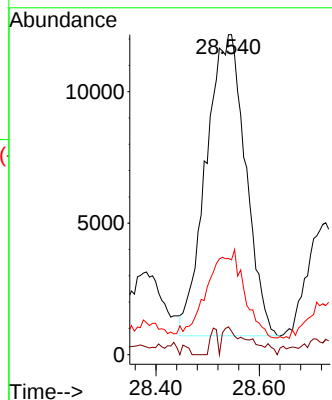
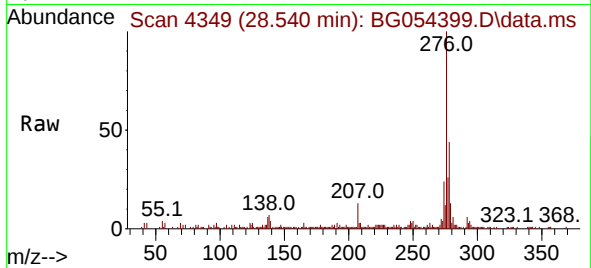




#91
 Dibenzo(a,h)anthracene
 Concen: 6.080 ng
 RT: 28.540 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:278 Resp: 60544
 Ion Ratio Lower Upper
 278 100
 139 8.7 7.2 10.8
 279 30.0 18.6 27.8#



#92
 Benzo(g,h,i)perylene
 Concen: 21.532 ng
 RT: 29.657 min Scan# 4539
 Delta R.T. 0.012 min
 Lab File: BG054399.D
 Acq: 26 Jul 2022 15:31

Tgt Ion:276 Resp: 211605
 Ion Ratio Lower Upper
 276 100
 277 24.3 17.3 25.9
 138 6.6 9.6 14.4#

