

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054366.D
 Acq On : 22 Jul 2022 19:21
 Operator : CG/JU
 Sample : N3834-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122

Quant Time: Jul 23 00:12:23 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)

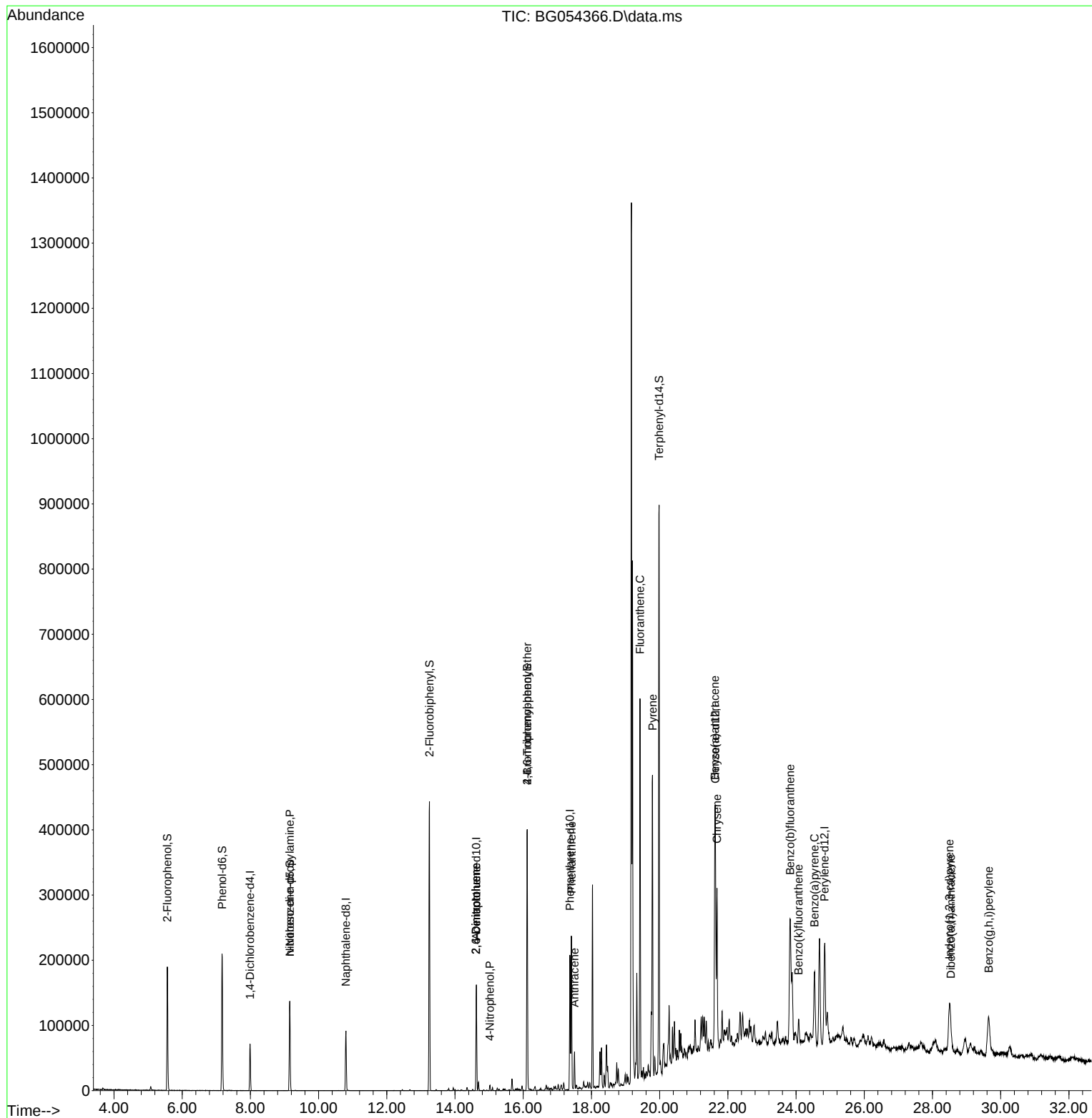
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	21736	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	83763	20.000	ng	# 0.00
39) Acenaphthene-d10	14.625	164	64239	20.000	ng	0.00
64) Phenanthrene-d10	17.369	188	151630	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	170716	20.000	ng	# 0.00
86) Perylene-d12	24.837	264	180462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	85504	82.132	ng	0.00
7) Phenol-d6	7.169	99	120650	84.578	ng	0.00
23) Nitrobenzene-d5	9.155	82	82360	53.545	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	109478	81.168	ng	0.00
45) 2-Fluorobiphenyl	13.250	172	260639	57.237	ng	0.00
79) Terphenyl-d14	19.983	244	508076	59.041	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.169	77	64	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.155	70	11878	12.469 ng	#	80
51) 2,6-Dinitrotoluene	14.619	165	9062	8.234 ng	#	16
56) 4-Nitrophenol	15.025	139	1682	2.739 ng	#	1
57) 2,4-Dinitrotoluene	14.619	165	9062	5.744 ng	#	21
67) 4-Bromophenyl-phenylether	16.117	248	6452	3.030 ng	#	1
71) Phenanthrene	17.416	178	173993	23.042 ng		99
72) Anthracene	17.504	178	42855	5.783 ng		98
75) Fluoranthene	19.425	202	379043	36.824 ng		95
78) Pyrene	19.790	202	337914	34.497 ng		97
81) Benzo(a)anthracene	21.617	228	210653	19.438 ng		98
83) Chrysene	21.681	228	190305	18.587 ng		96
87) Indeno(1,2,3-cd)pyrene	28.497	276	155211	11.306 ng	#	99
88) Benzo(b)fluoranthene	23.832	252	282635	26.483 ng	#	98
89) Benzo(k)fluoranthene	24.073	252	43331	4.080 ng		93
90) Benzo(a)pyrene	24.543	252	138314	15.176 ng		96
91) Dibenzo(a,h)anthracene	28.538	278	39524	3.501 ng	#	86
92) Benzo(g,h,i)perylene	29.649	276	157088	14.099 ng	#	90

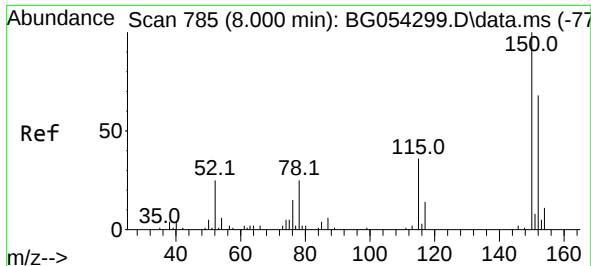
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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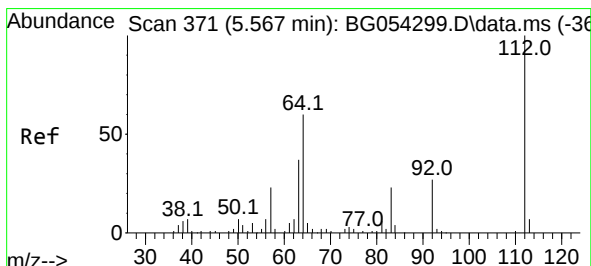
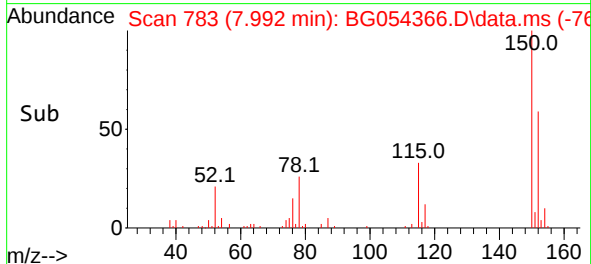
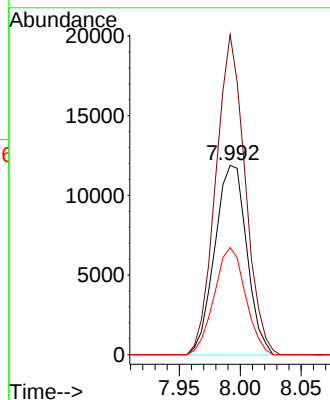
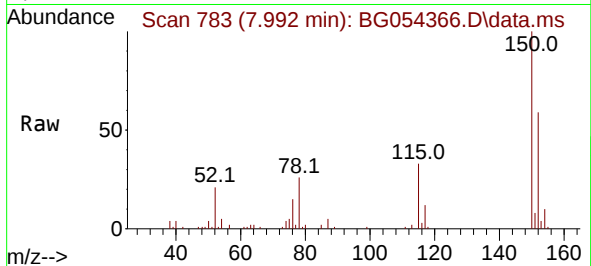




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

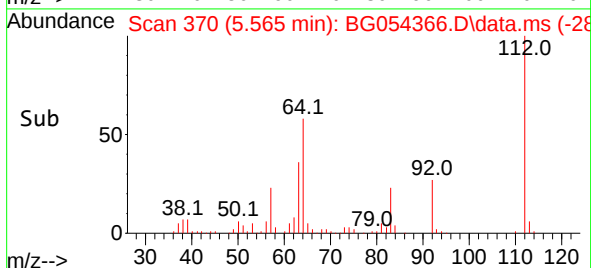
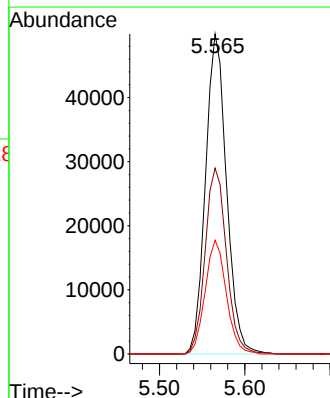
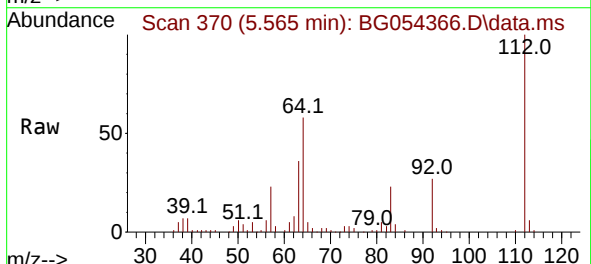
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

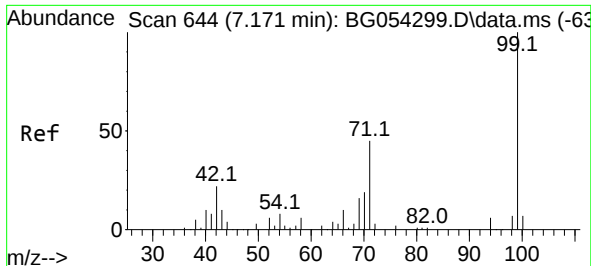
Tgt Ion:152 Resp: 21736
Ion Ratio Lower Upper
152 100
150 169.0 131.6 197.4
115 56.6 50.9 76.3



#5
2-Fluorophenol
Concen: 82.132 ng
RT: 5.565 min Scan# 370
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:112 Resp: 85504
Ion Ratio Lower Upper
112 100
64 58.0 55.1 82.7
63 35.5 30.4 45.6

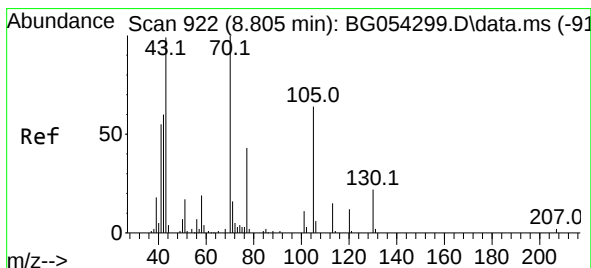
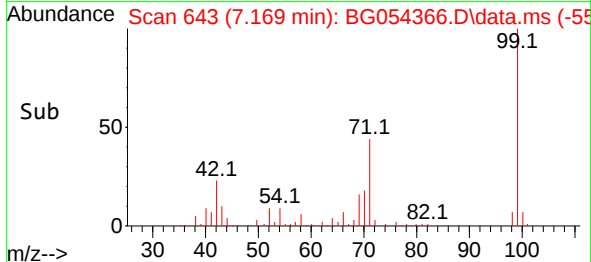
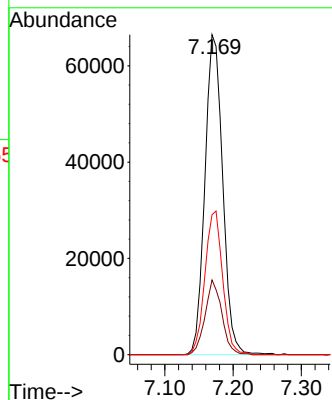
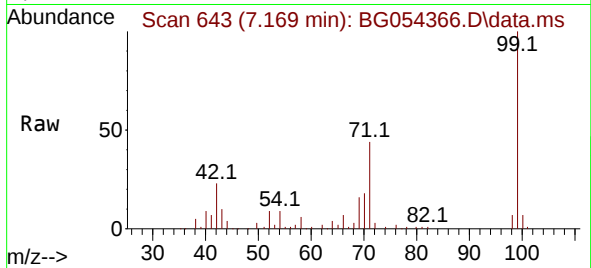




#7
Phenol-d6
Concen: 84.578 ng
RT: 7.169 min Scan# 64
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

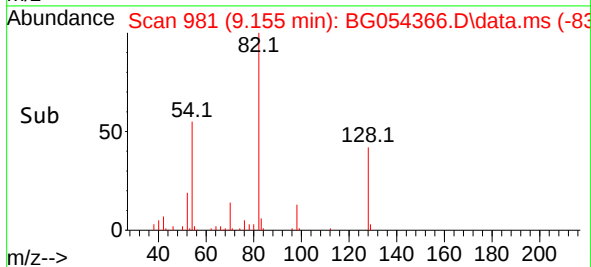
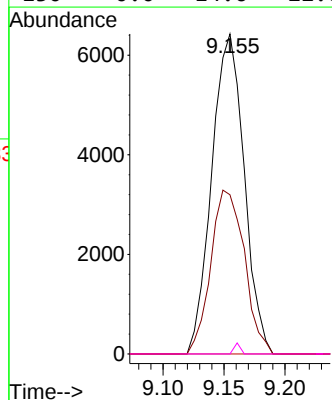
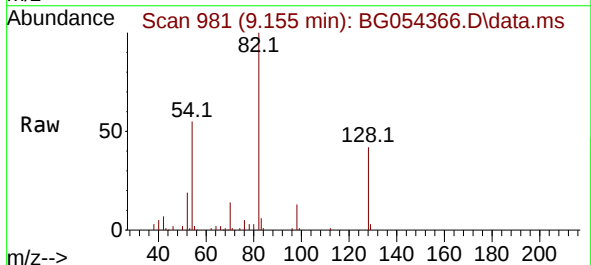
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

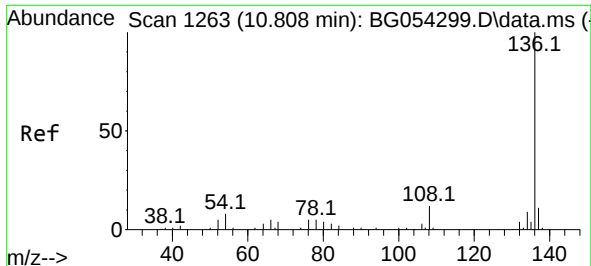
Tgt Ion: 99 Resp: 120650
Ion Ratio Lower Upper
99 100
42 23.3 17.0 25.6
71 43.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.469 ng
RT: 9.155 min Scan# 981
Delta R.T. 0.350 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion: 70 Resp: 11878
Ion Ratio Lower Upper
70 100
42 49.8 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





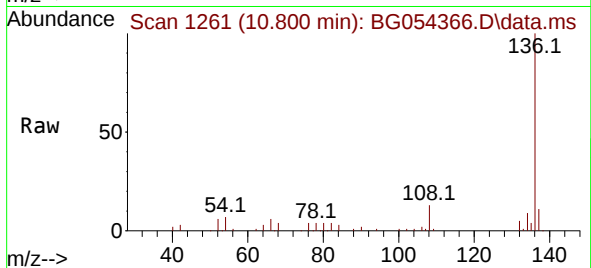
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Instrument :

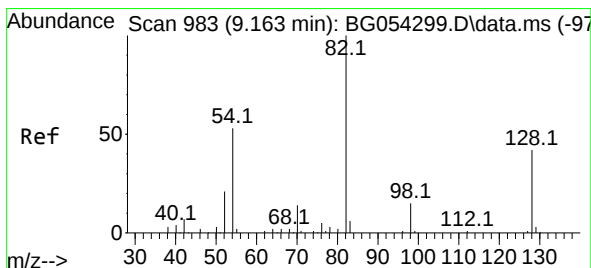
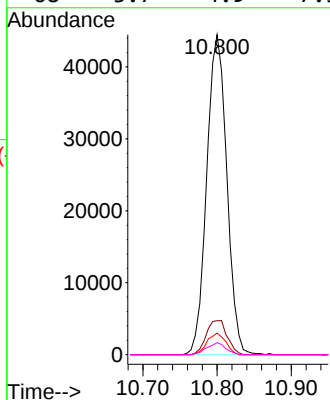
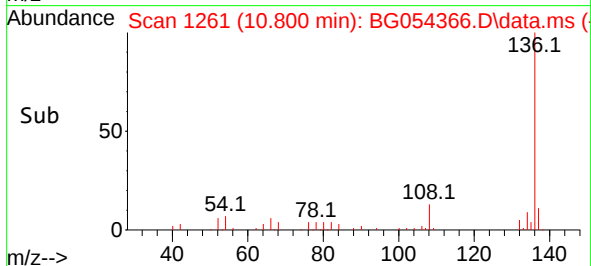
BNA_G

ClientSampleId :

SU-04-072122

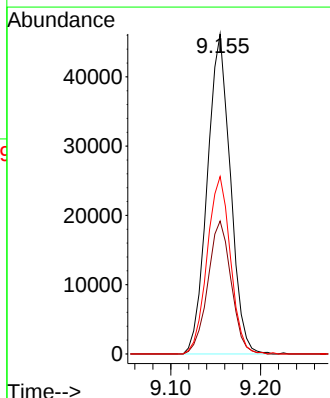
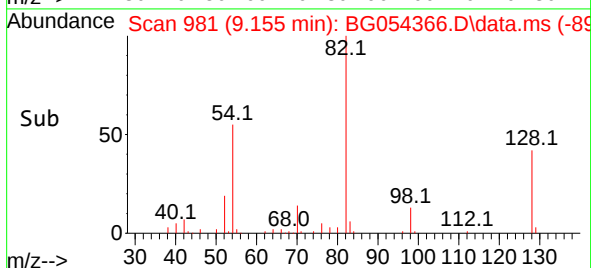
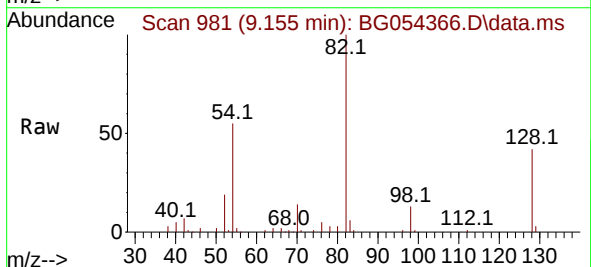


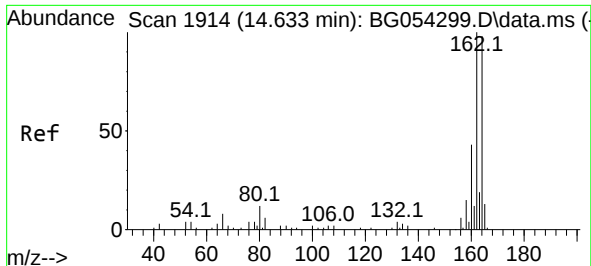
Tgt Ion:136 Resp: 83763
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.8 7.4 11.2#
68 3.7 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 53.545 ng
RT: 9.155 min Scan# 981
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion: 82 Resp: 82360
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 55.4 41.2 61.8

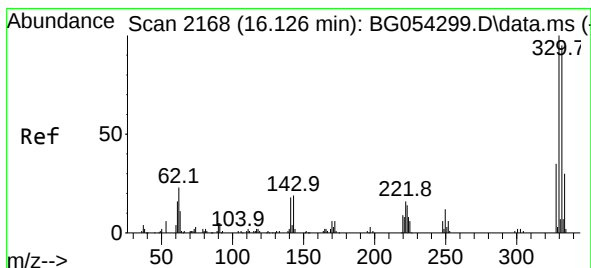
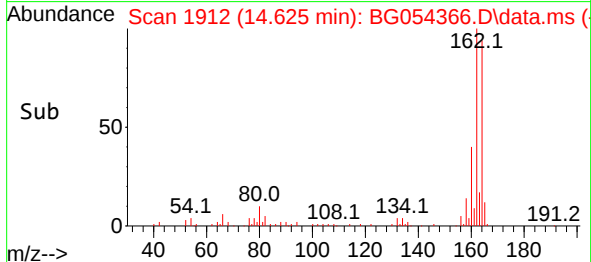
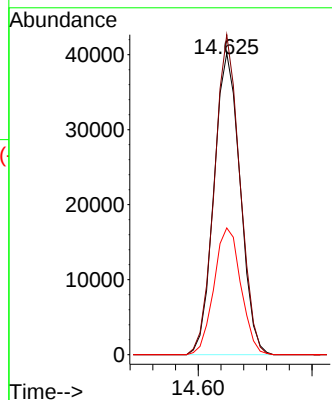
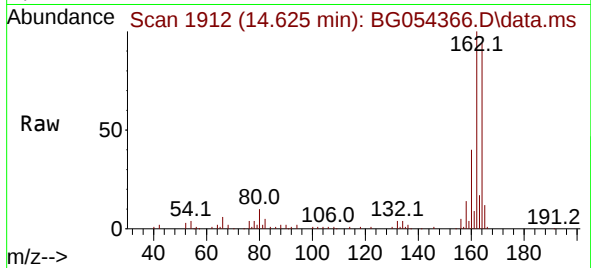




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.625 min Scan# 1912
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

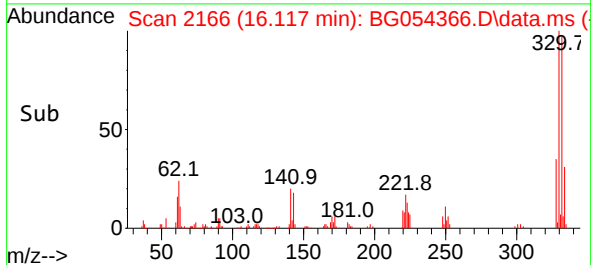
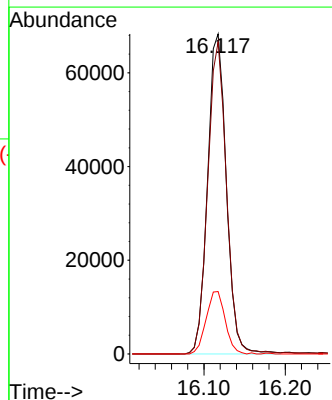
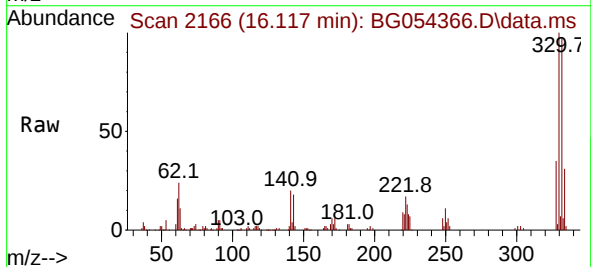
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ClientSampleId :
SU-04-072122

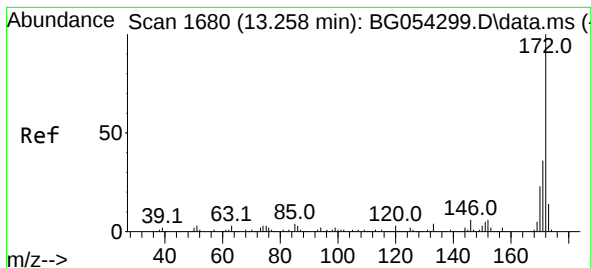
Tgt Ion:164 Resp: 64239
Ion Ratio Lower Upper
164 100
162 106.1 82.3 123.5
160 42.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 81.168 ng
RT: 16.117 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:330 Resp: 109478
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 19.8 27.1 40.7#

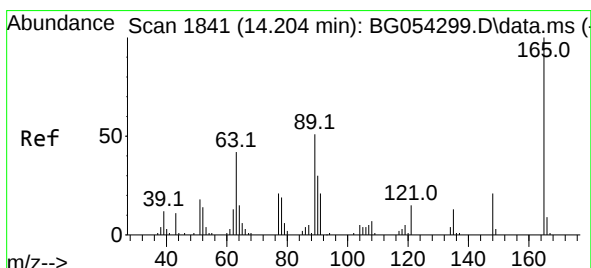
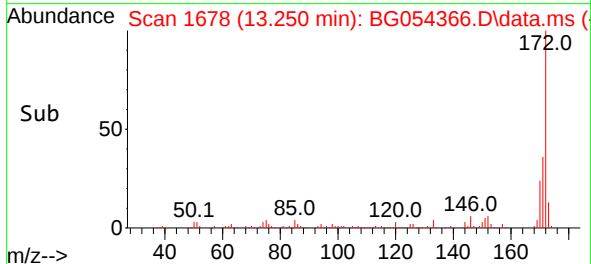
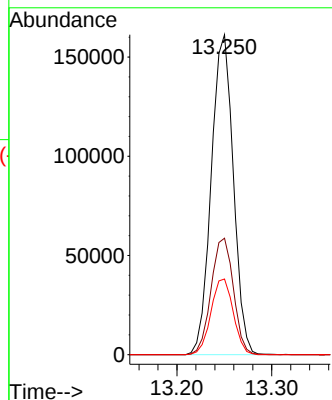
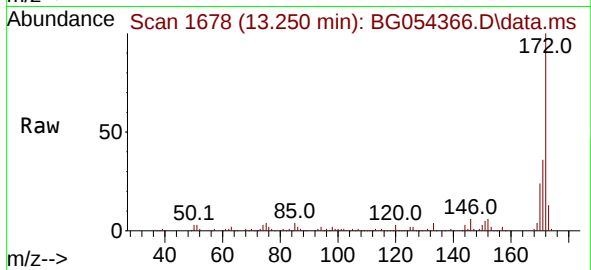




#45
2-Fluorobiphenyl
Concen: 57.237 ng
RT: 13.250 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

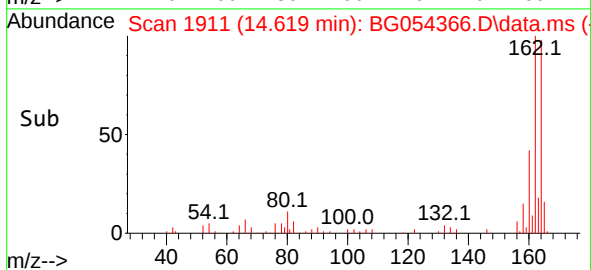
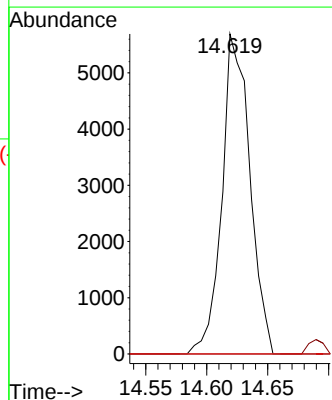
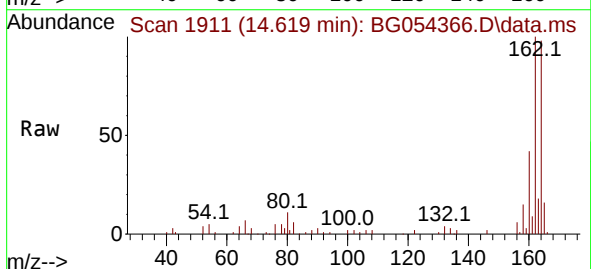
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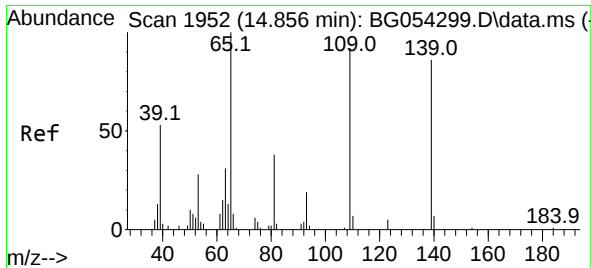
Tgt Ion:172 Resp: 260639
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 23.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.234 ng
RT: 14.619 min Scan# 1911
Delta R.T. 0.415 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:165 Resp: 9062
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

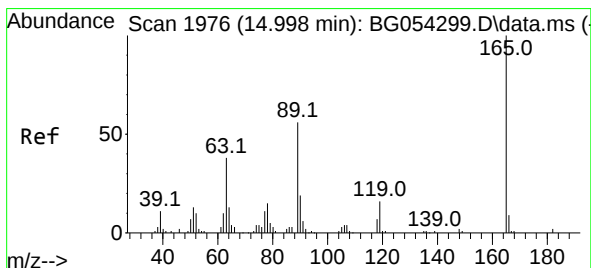
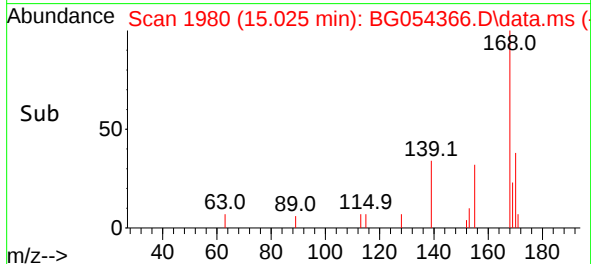
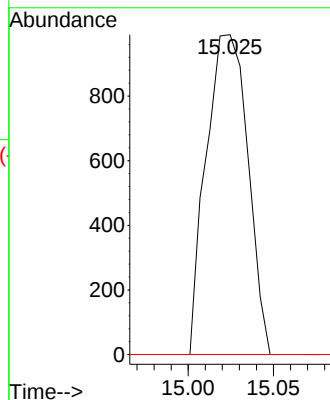
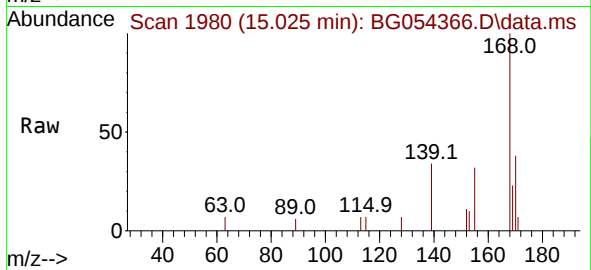




#56
4-Nitrophenol
Concen: 2.739 ng
RT: 15.025 min Scan# 1910
Delta R.T. 0.169 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

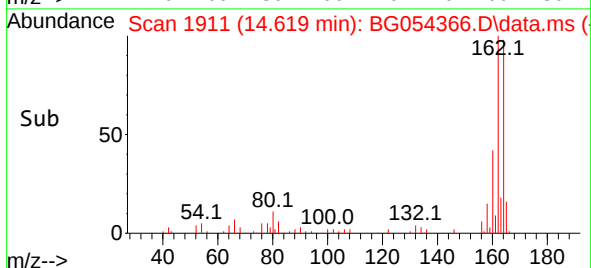
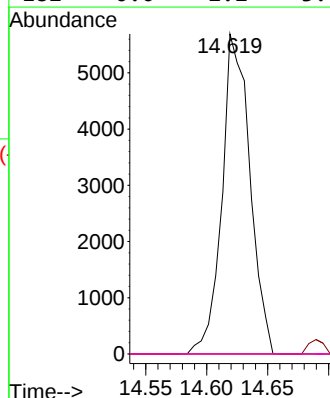
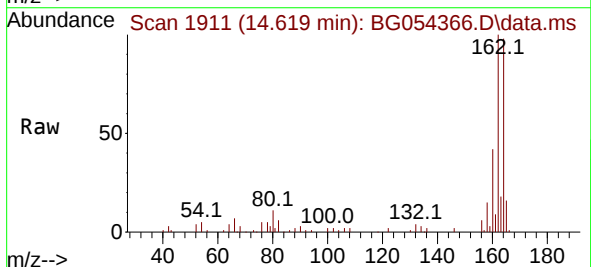
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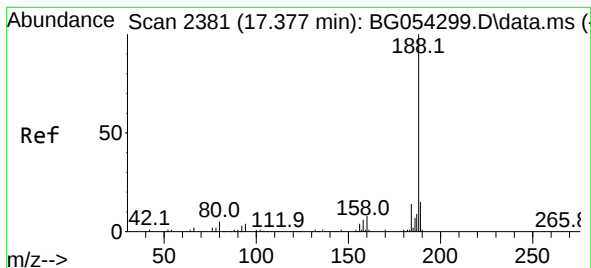
Tgt Ion:139 Resp: 1682
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.744 ng
RT: 14.619 min Scan# 1911
Delta R.T. -0.378 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:165 Resp: 9062
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: 17.369 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG054366.D

Acq: 22 Jul 2022 19:21

Instrument :

BNA_G

ClientSampleId :

SU-04-072122

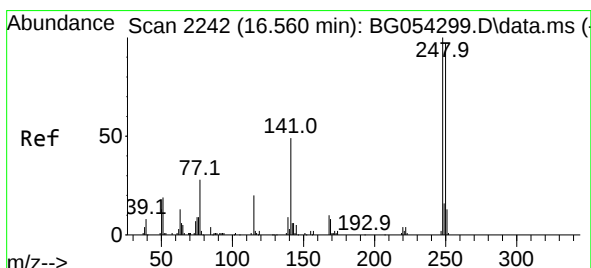
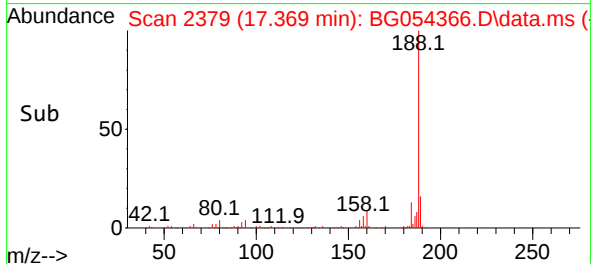
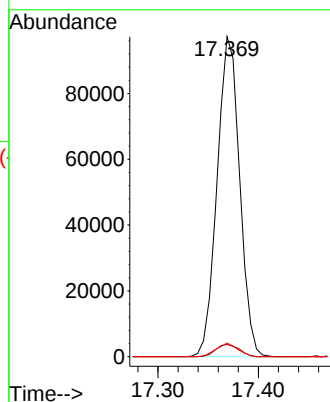
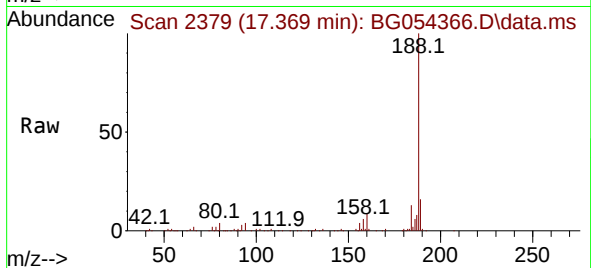
Tgt Ion:188 Resp: 151630

Ion Ratio Lower Upper

188 100

94 3.8 5.4 8.0#

80 4.2 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.030 ng

RT: 16.117 min Scan# 2166

Delta R.T. -0.443 min

Lab File: BG054366.D

Acq: 22 Jul 2022 19:21

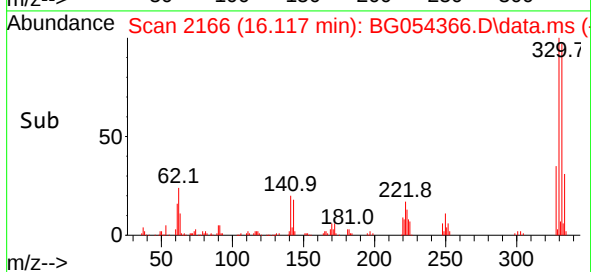
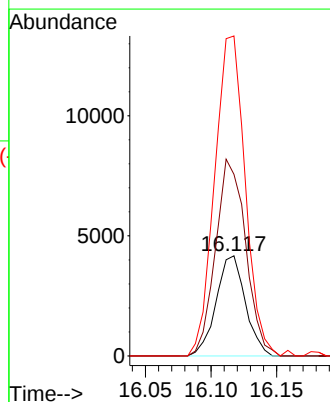
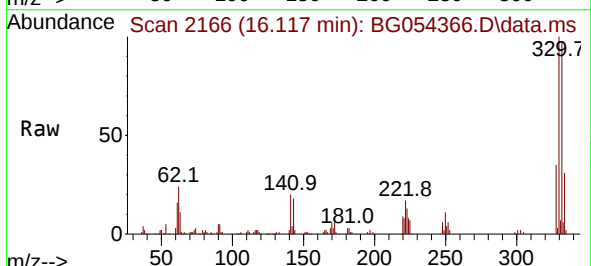
Tgt Ion:248 Resp: 6452

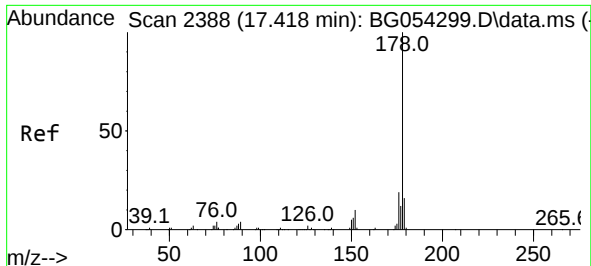
Ion Ratio Lower Upper

248 100

250 247.1 75.2 112.8#

141 319.4 50.0 75.0#

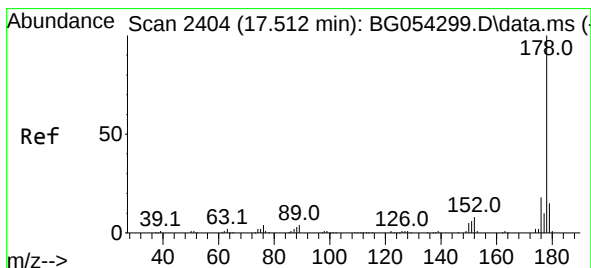
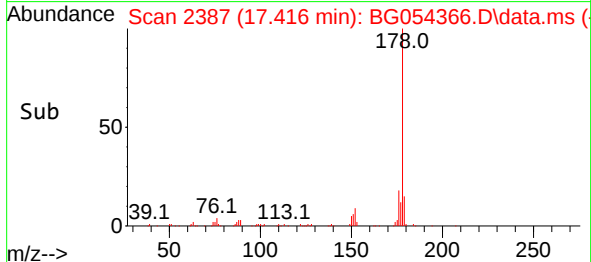
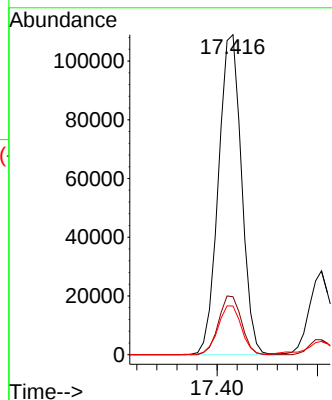
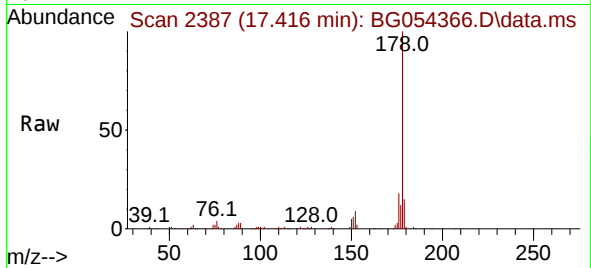




#71
Phenanthrene
Concen: 23.042 ng
RT: 17.416 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

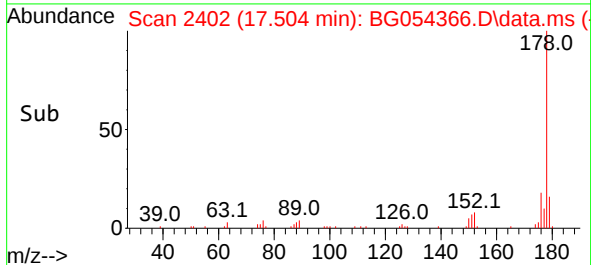
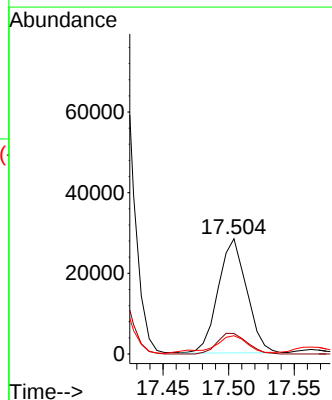
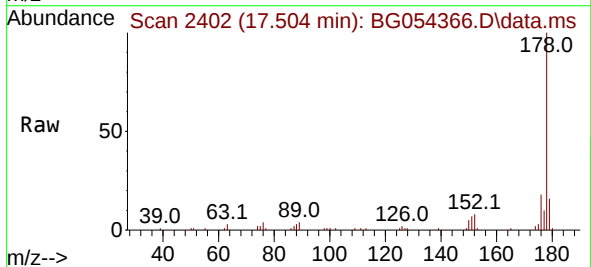
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

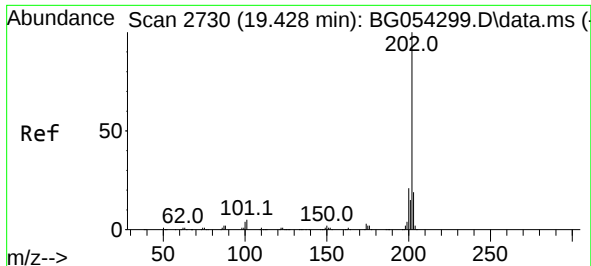
Tgt Ion:178 Resp: 173993
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.2 12.1 18.1



#72
Anthracene
Concen: 5.783 ng
RT: 17.504 min Scan# 2402
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:178 Resp: 42855
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 15.9 13.0 19.4

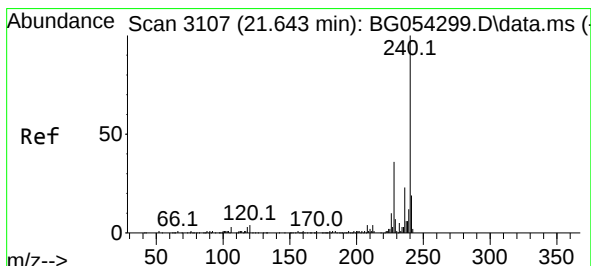
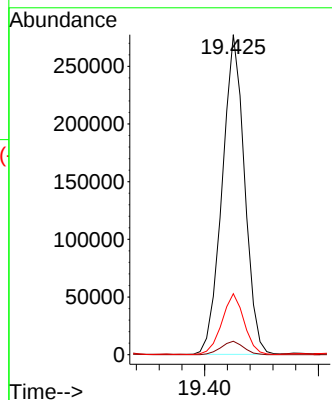
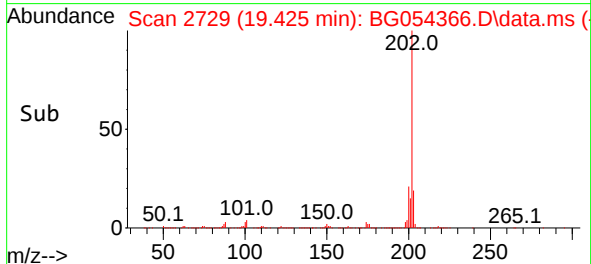
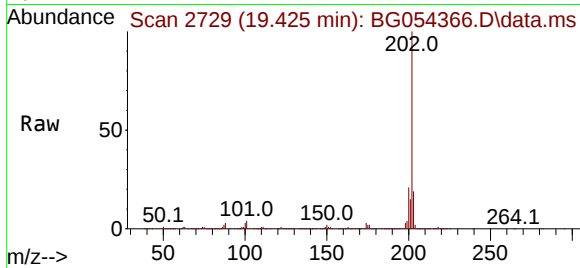




#75
Fluoranthene
Concen: 36.824 ng
RT: 19.425 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

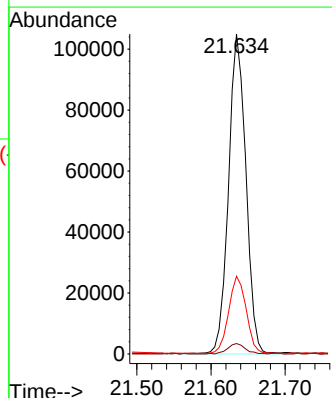
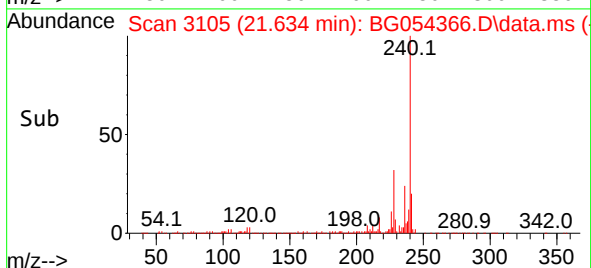
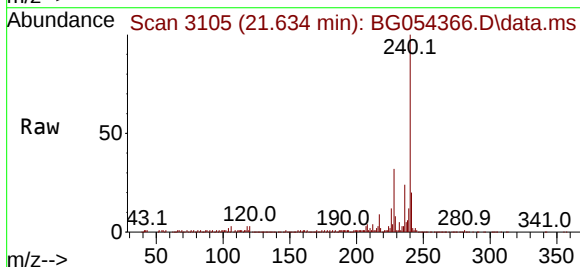
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

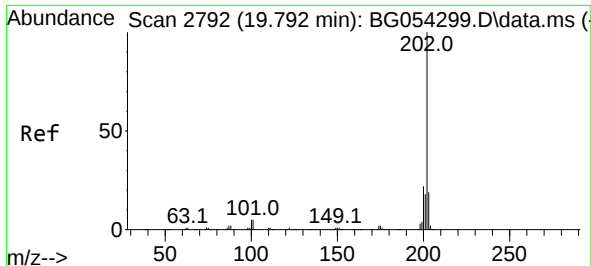
Tgt Ion:202 Resp: 379043
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 19.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 3105
Delta R.T. -0.009 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:240 Resp: 170716
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.3 20.2 30.4

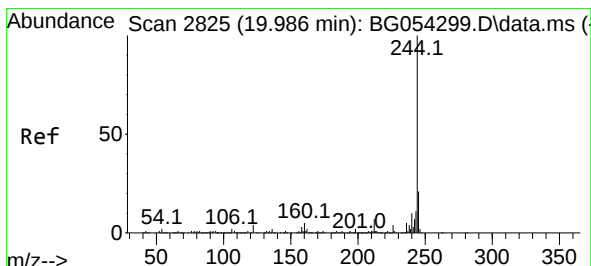
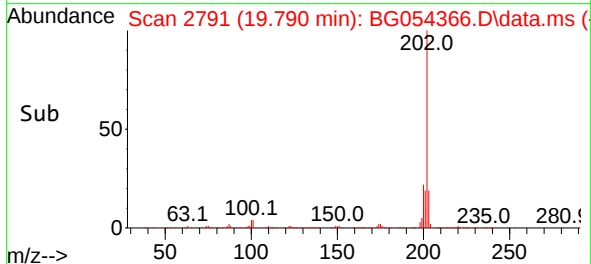
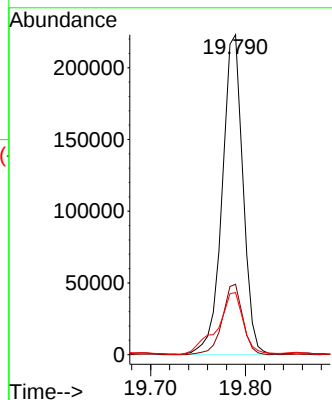
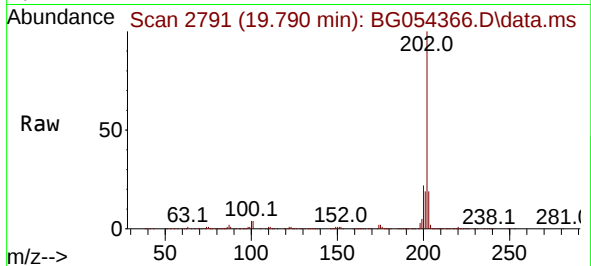




#78
Pyrene
Concen: 34.497 ng
RT: 19.790 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

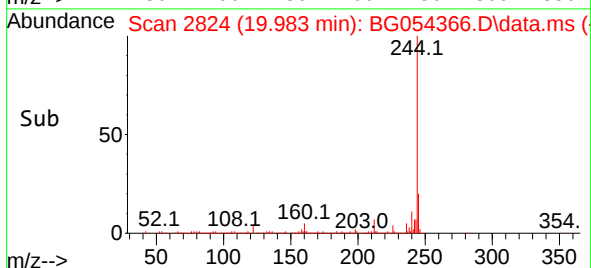
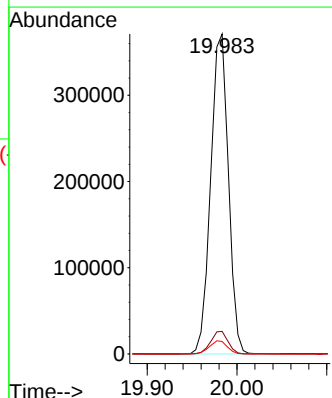
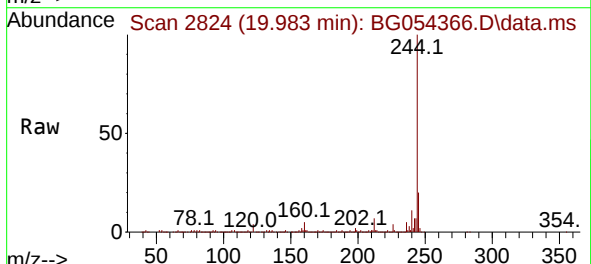
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

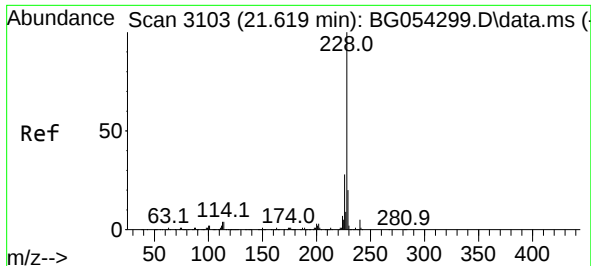
Tgt Ion:202 Resp: 337914
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 19.4 14.6 21.8



#79
Terphenyl-d14
Concen: 59.041 ng
RT: 19.983 min Scan# 2824
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:244 Resp: 508076
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 3.9 5.0 7.4#



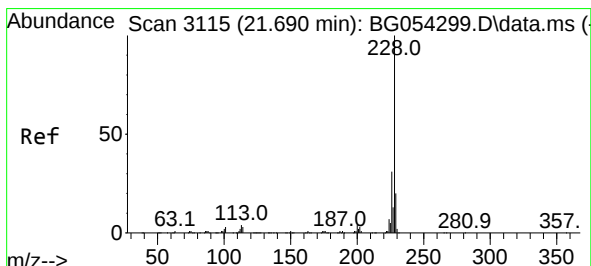
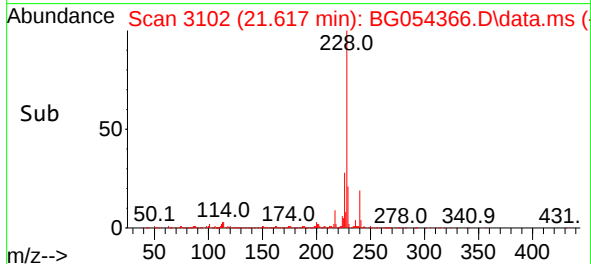
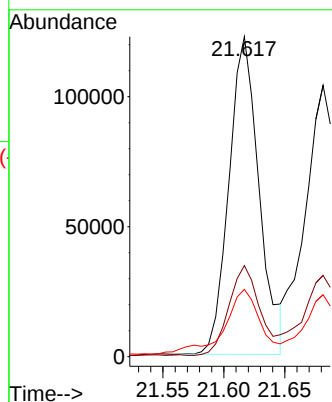
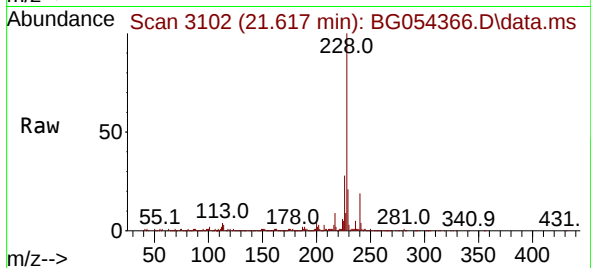


#81
Benzo(a)anthracene
Concen: 19.438 ng
RT: 21.617 min Scan# 3102
Delta R.T. -0.002 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Instrument :
BNA_G
ClientSampleId :
SU-04-072122

Tgt Ion:228 Resp: 210653

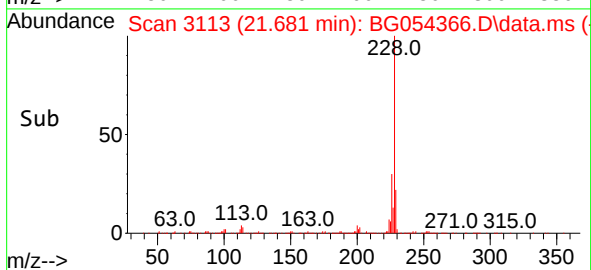
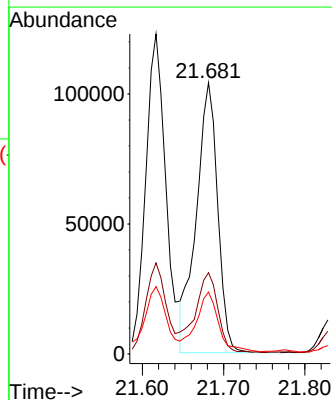
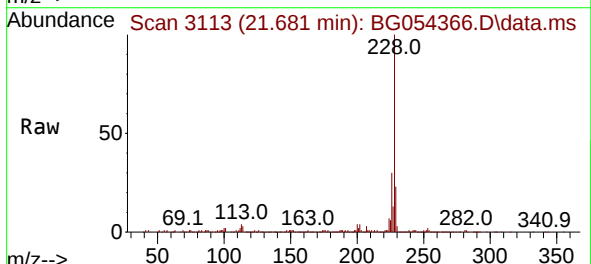
Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.6	32.4
229	21.1	16.2	24.2

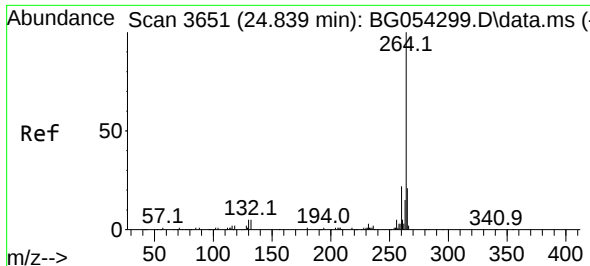


#83
Chrysene
Concen: 18.587 ng
RT: 21.681 min Scan# 3113
Delta R.T. -0.008 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:228 Resp: 190305

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.8	15.5	23.3

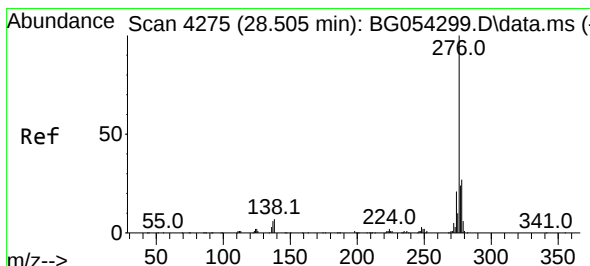
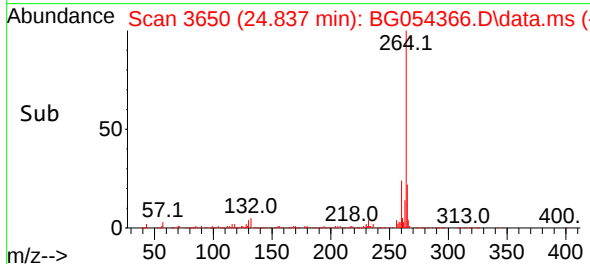
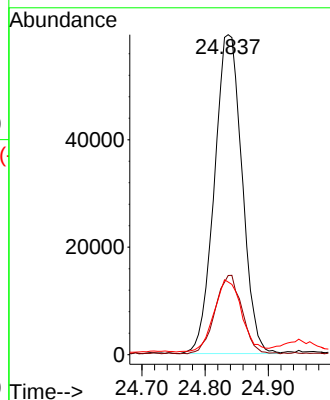
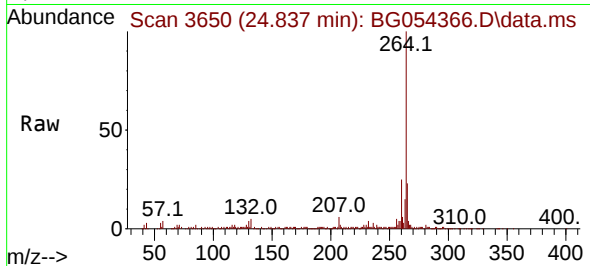




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.837 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

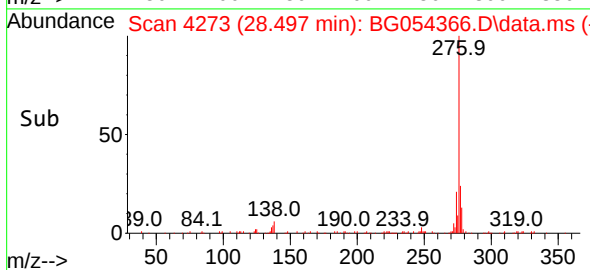
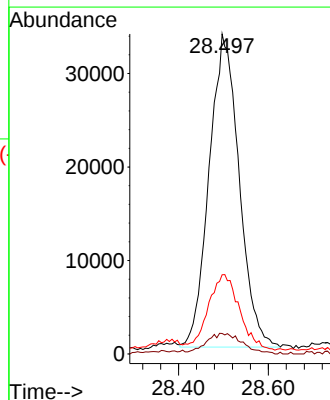
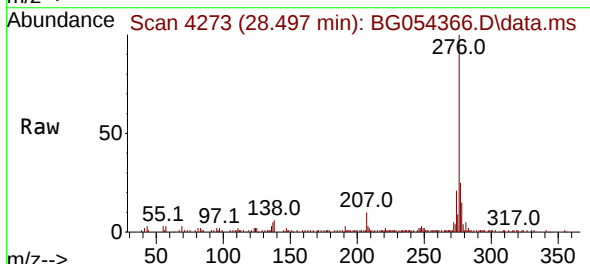
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122

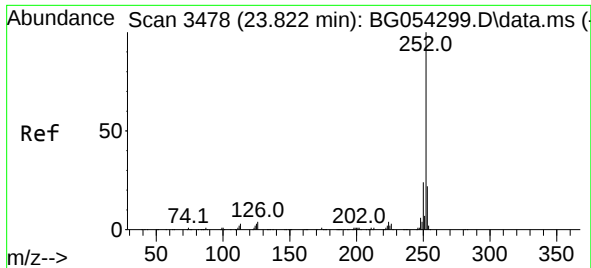
Tgt Ion:264 Resp: 180462
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.0 28.6
 265 22.7 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.306 ng
 RT: 28.497 min Scan# 4273
 Delta R.T. -0.008 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

Tgt Ion:276 Resp: 155211
 Ion Ratio Lower Upper
 276 100
 138 7.9 5.0 7.4#
 277 25.1 20.3 30.5

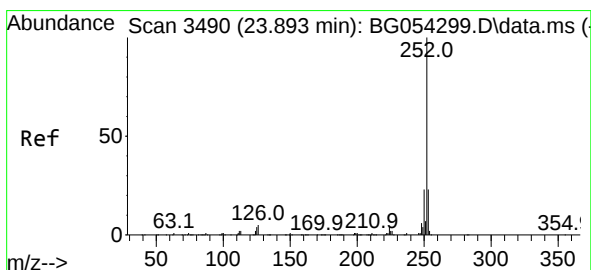
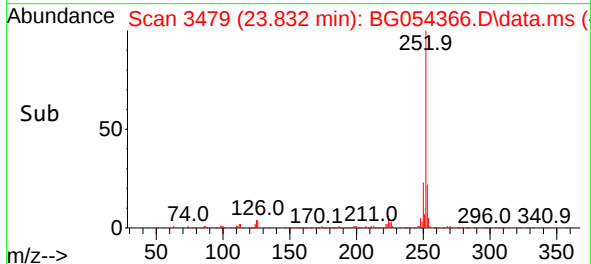
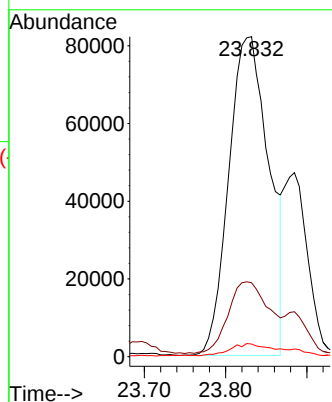
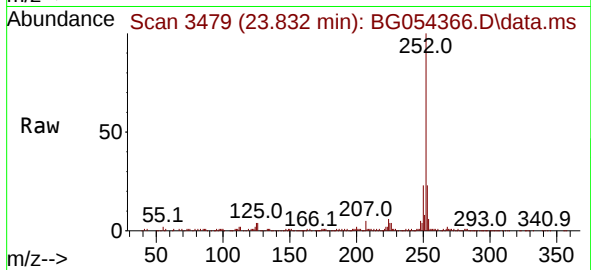




#88
Benzo(b)fluoranthene
Concen: 26.483 ng
RT: 23.832 min Scan# 3478
Delta R.T. 0.009 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

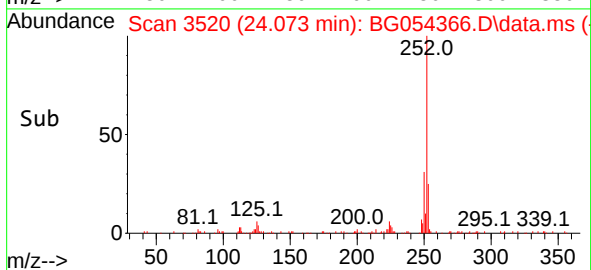
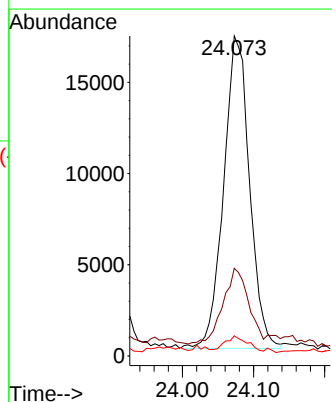
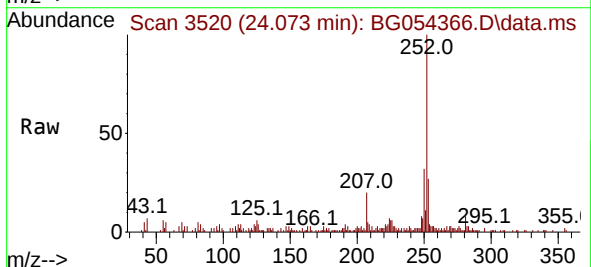
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

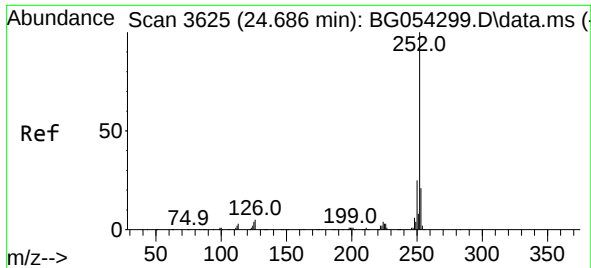
Tgt Ion:252 Resp: 282635
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 4.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 4.080 ng
RT: 24.073 min Scan# 3520
Delta R.T. 0.180 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:252 Resp: 43331
Ion Ratio Lower Upper
252 100
253 27.4 18.4 27.6
125 6.3 4.8 7.2

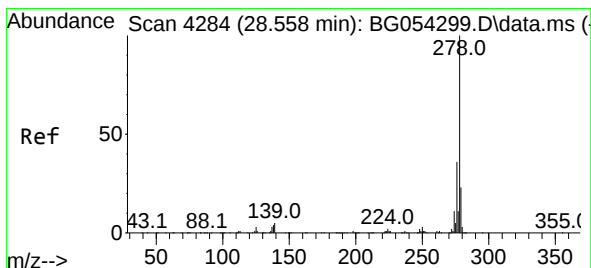
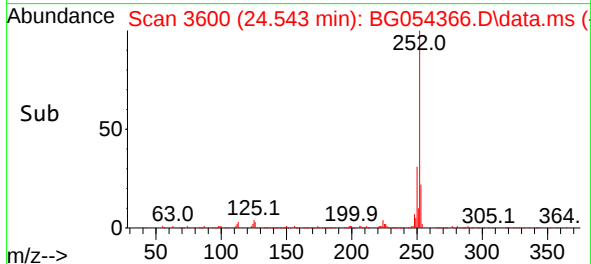
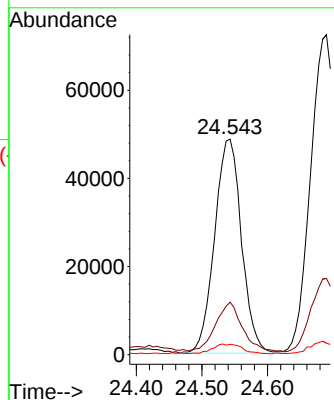
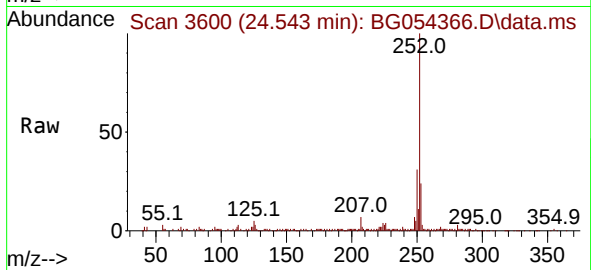




#90
Benzo(a)pyrene
Concen: 15.176 ng
RT: 24.543 min Scan# 30
Delta R.T. -0.143 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

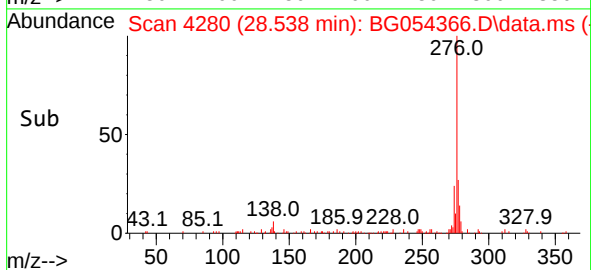
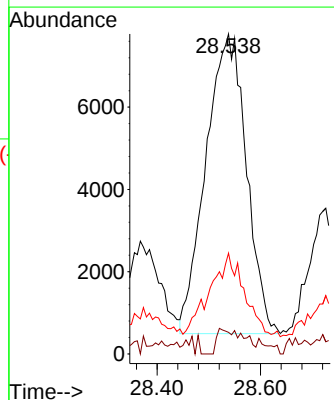
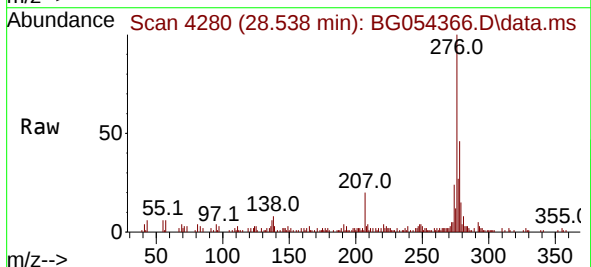
Instrument :
BNA_G
ClientSampleId :
SU-04-072122

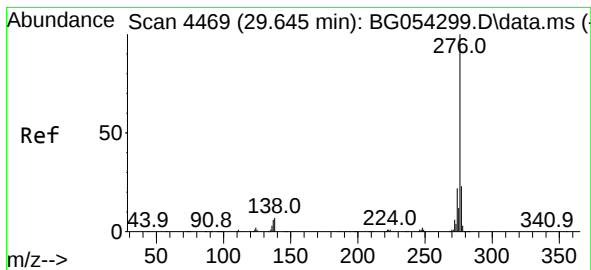
Tgt Ion:252 Resp: 138314
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 4.9 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 3.501 ng
RT: 28.538 min Scan# 4280
Delta R.T. -0.020 min
Lab File: BG054366.D
Acq: 22 Jul 2022 19:21

Tgt Ion:278 Resp: 39524
Ion Ratio Lower Upper
278 100
139 6.7 7.2 10.8#
279 31.5 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 14.099 ng
 RT: 29.649 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: BG054366.D
 Acq: 22 Jul 2022 19:21

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-072122

Tgt Ion:276 Resp: 157088
 Ion Ratio Lower Upper
 276 100
 277 25.0 17.3 25.9
 138 6.1 9.6 14.4#

