

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054353.D
 Acq On : 21 Jul 2022 20:37
 Operator : CG/JU
 Sample : N3786-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A

Quant Time: Jul 22 02:38:01 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)

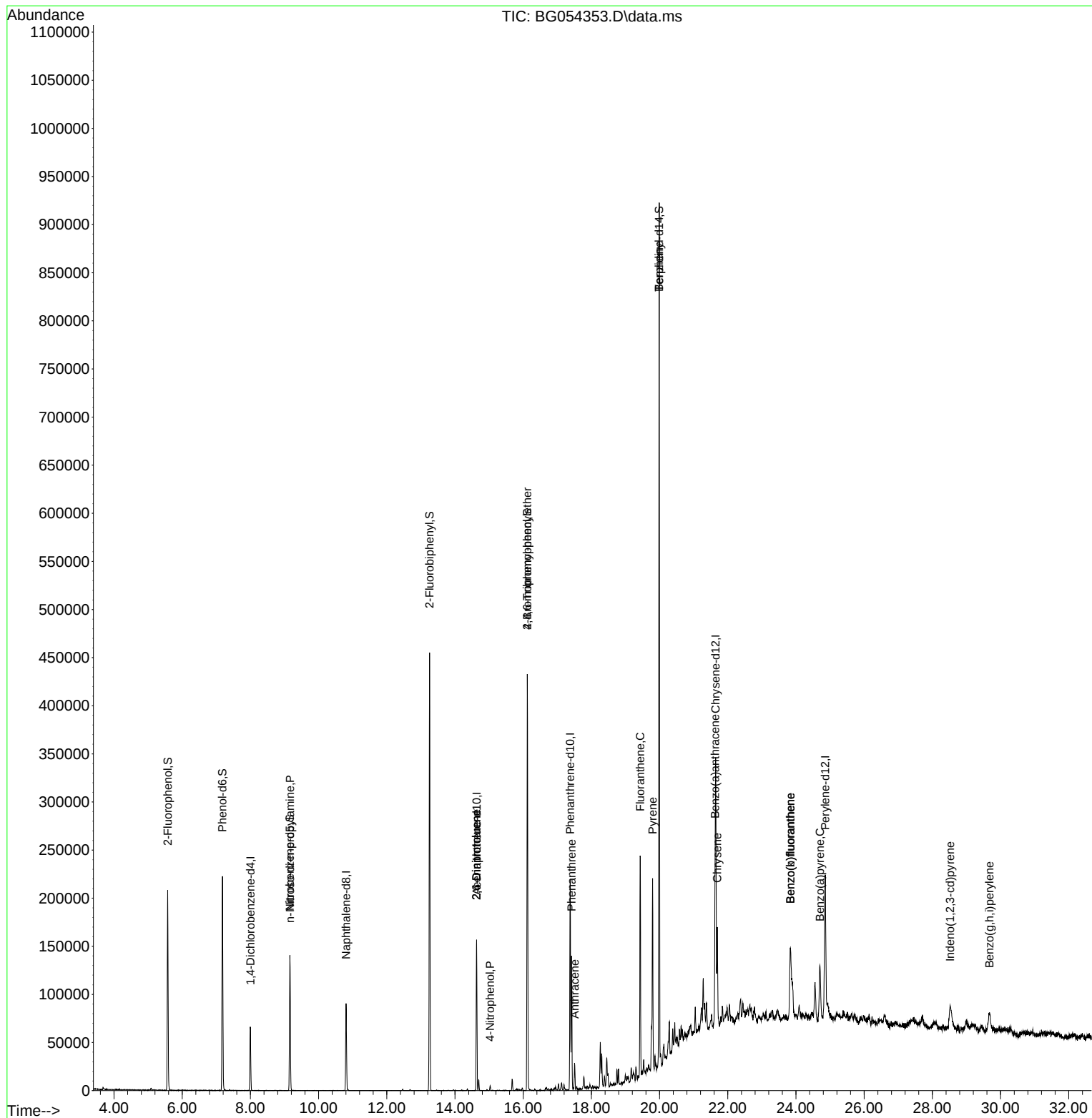
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	21199	20.000	ng	# 0.00
21) Naphthalene-d8	10.803	136	79790	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	63813	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	155417	20.000	ng	# 0.00
76) Chrysene-d12	21.644	240	164248	20.000	ng	# 0.00
86) Perylene-d12	24.858	264	177111	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	94510	93.083	ng	0.00
7) Phenol-d6	7.178	99	125179	89.975	ng	0.00
23) Nitrobenzene-d5	9.158	82	84606	57.744	ng	0.00
42) 2,4,6-Tribromophenol	16.121	330	117292	87.542	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	258656	57.180	ng	0.00
79) Terphenyl-d14	19.987	244	503651	60.831	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.190	77	61	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.164	70	12501	13.456	ng	# 79
51) 2,6-Dinitrotoluene	14.628	165	8568	7.837	ng	# 16
56) 4-Nitrophenol	15.028	139	1745	2.861	ng	# 1
57) 2,4-Dinitrotoluene	14.628	165	8568	5.467	ng	# 21
67) 4-Bromophenyl-phenylether	16.121	248	6839	3.133	ng	# 1
71) Phenanthrene	17.419	178	95816	12.380	ng	99
72) Anthracene	17.507	178	21412	2.819	ng	96
75) Fluoranthene	19.429	202	165551	15.691	ng	96
77) Benzidine	19.987	184	6711	2.256	ng	# 95
78) Pyrene	19.793	202	138935	14.742	ng	99
81) Benzo(a)anthracene	21.626	228	92463	8.868	ng	99
83) Chrysene	21.691	228	79207	8.041	ng	95
87) Indeno(1,2,3-cd)pyrene	28.524	276	49565	3.679	ng	97
88) Benzo(b)fluoranthene	23.835	252	100927	9.636	ng	97
89) Benzo(k)fluoranthene	23.835	252	100927	9.682	ng	98
90) Benzo(a)pyrene	24.705	252	73004	8.161	ng	99
92) Benzo(g,h,i)perylene	29.675	276	45557	4.166	ng	# 91

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

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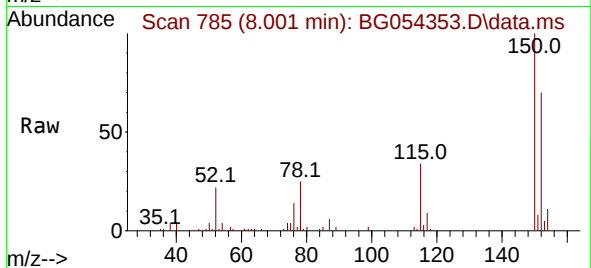
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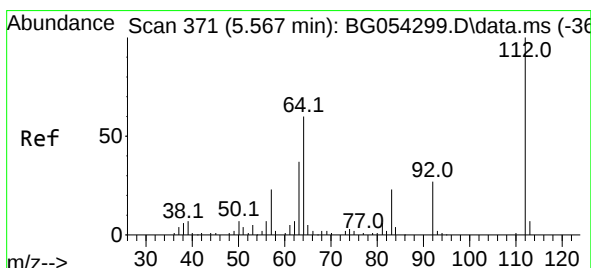
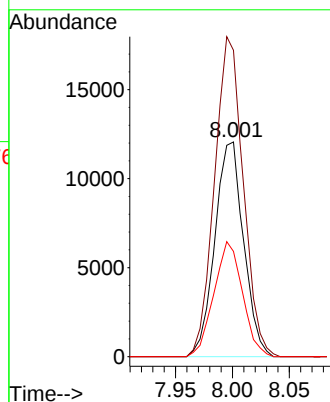
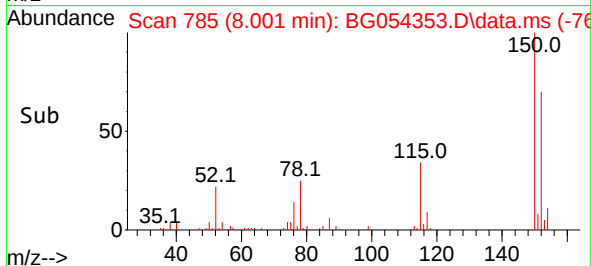


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.001 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

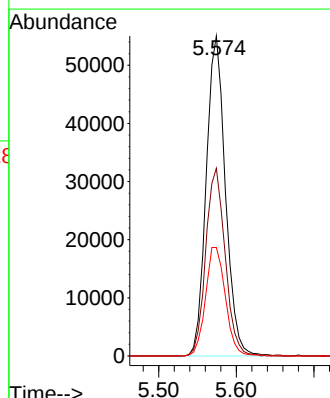
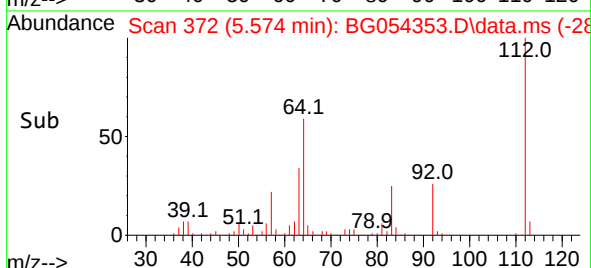
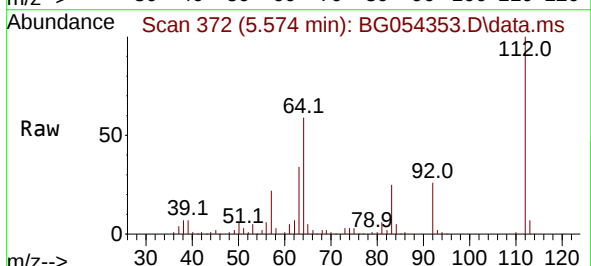


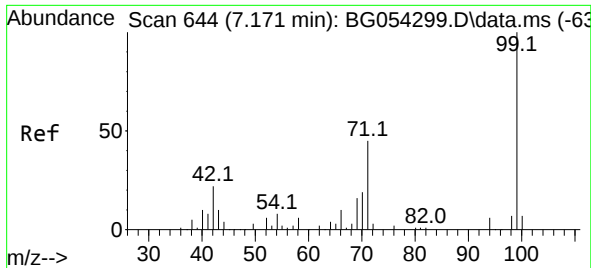
Tgt Ion:152 Resp: 21199
Ion Ratio Lower Upper
152 100
150 142.6 131.6 197.4
115 49.1 50.9 76.3#



#5
2-Fluorophenol
Concen: 93.083 ng
RT: 5.574 min Scan# 372
Delta R.T. 0.007 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion:112 Resp: 94510
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 33.9 30.4 45.6

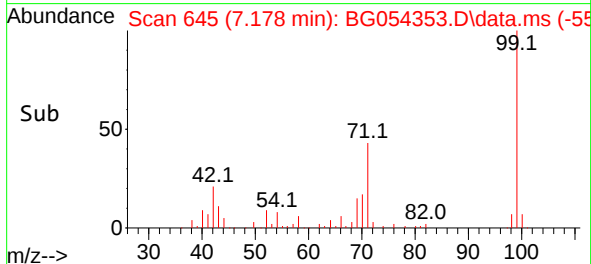
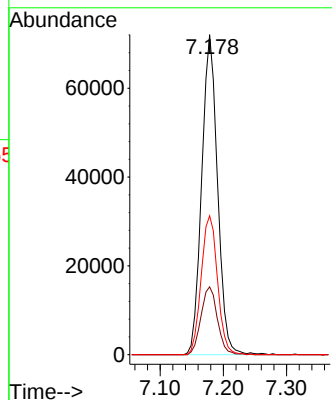
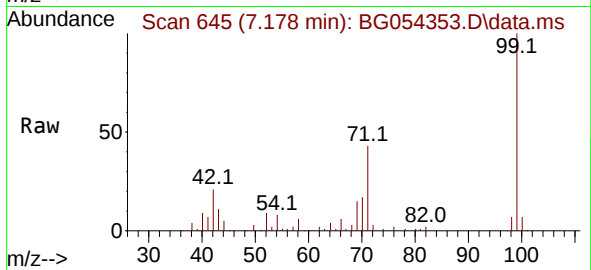




#7
Phenol-d6
Concen: 89.975 ng
RT: 7.178 min Scan# 64
Delta R.T. 0.007 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

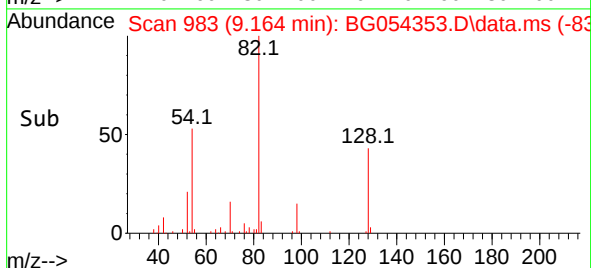
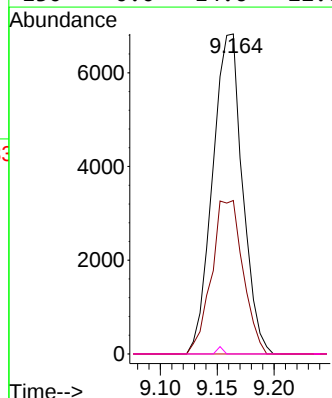
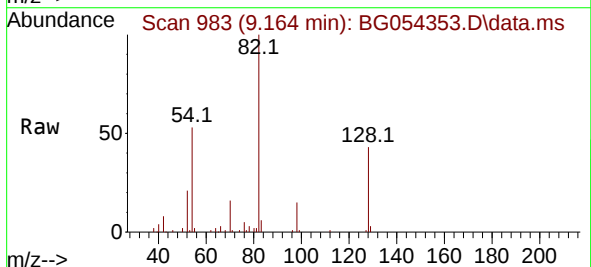
Instrument :
BNA_G
ClientSampleId :
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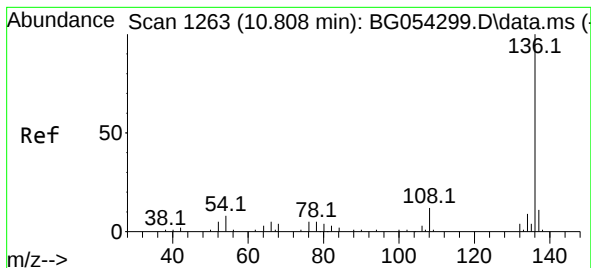
Tgt Ion: 99 Resp: 125179
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.456 ng
RT: 9.164 min Scan# 983
Delta R.T. 0.359 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion: 70 Resp: 12501
Ion Ratio Lower Upper
70 100
42 47.9 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

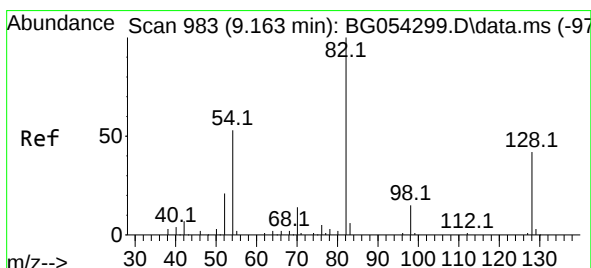
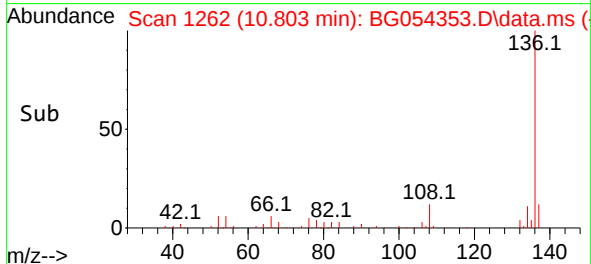
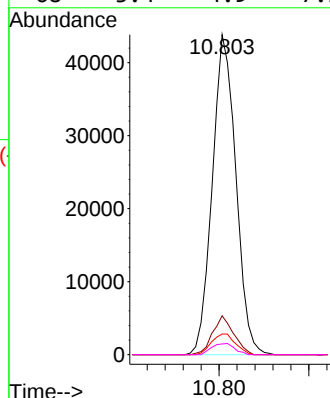
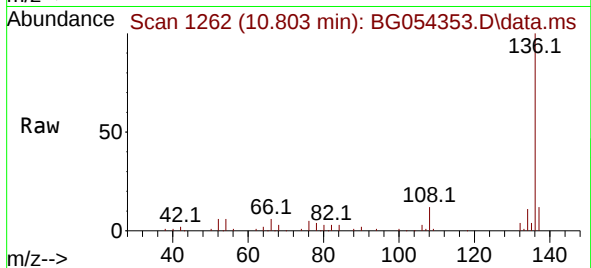




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

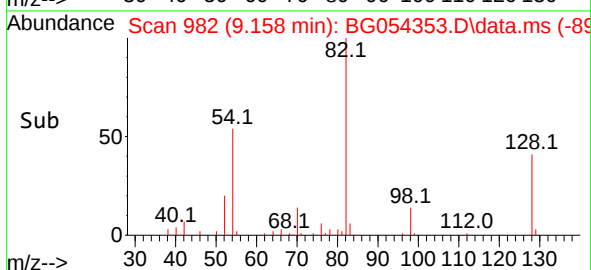
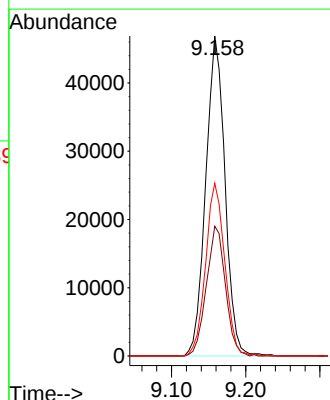
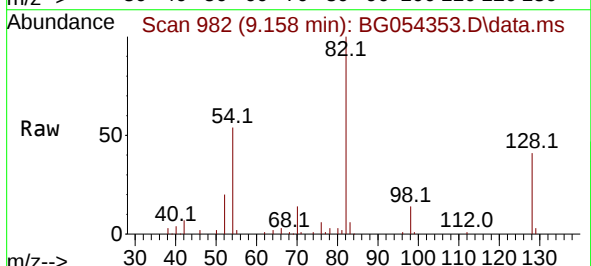
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

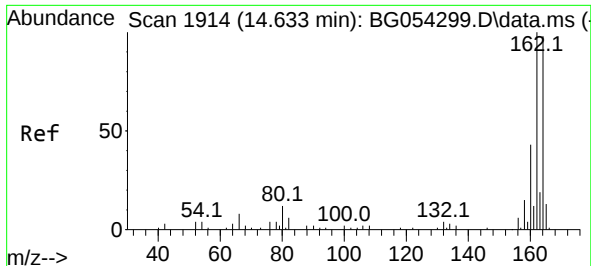
Tgt Ion:	136	Resp:	79790
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.5	12.7
54	6.4	7.4	11.2#
68	3.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 57.744 ng
RT: 9.158 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

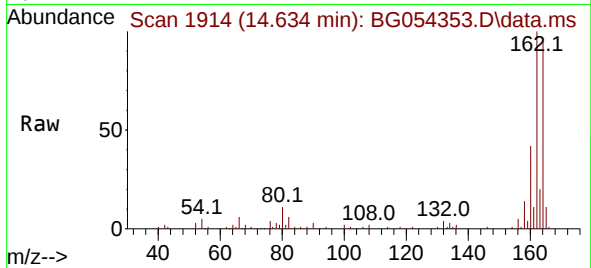
Tgt Ion:	82	Resp:	84606
Ion	Ratio	Lower	Upper
82	100		
128	40.6	27.9	41.9
54	54.0	41.2	61.8



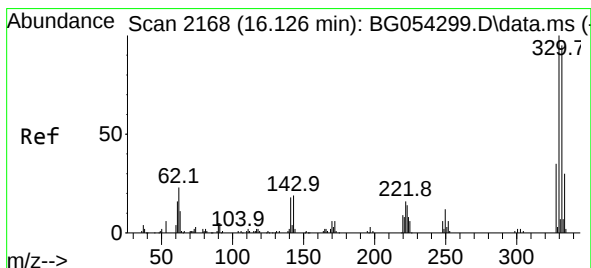
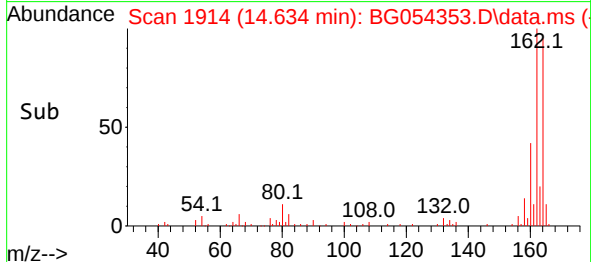
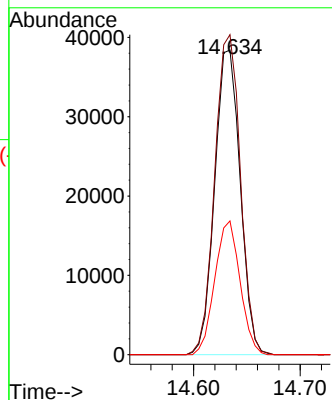


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

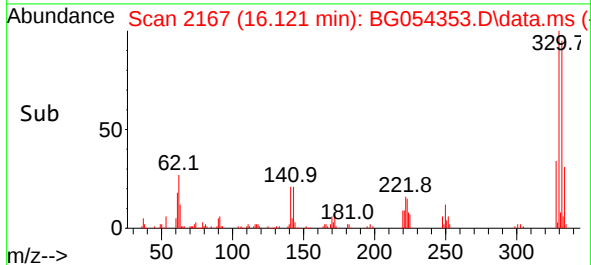
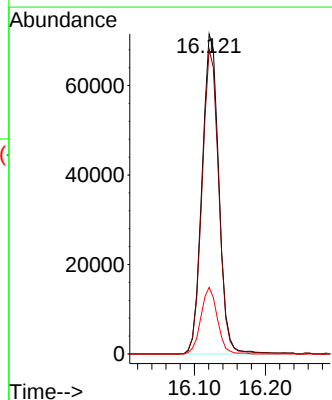
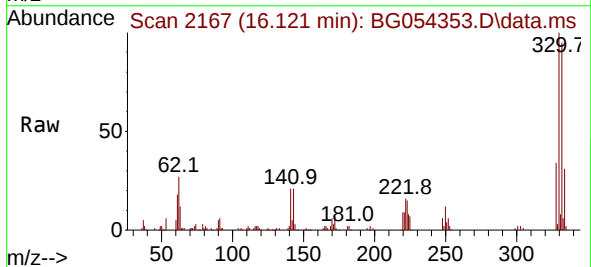


Tgt Ion:164 Resp: 63813
Ion Ratio Lower Upper
164 100
162 105.1 82.3 123.5
160 43.9 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 87.542 ng
RT: 16.121 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion:330 Resp: 117292
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 20.4 27.1 40.7#

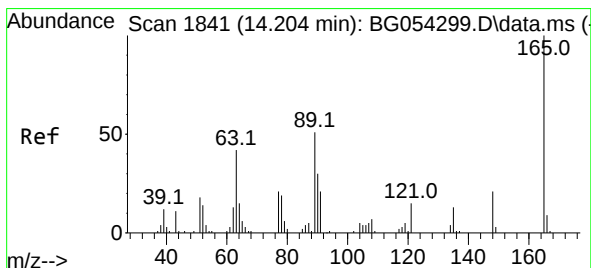
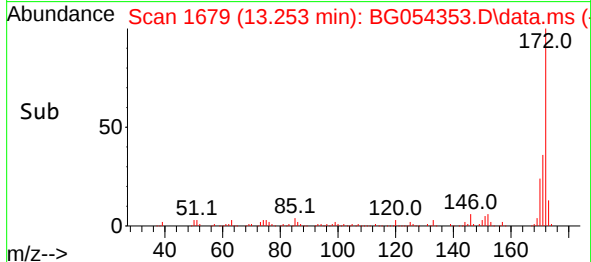
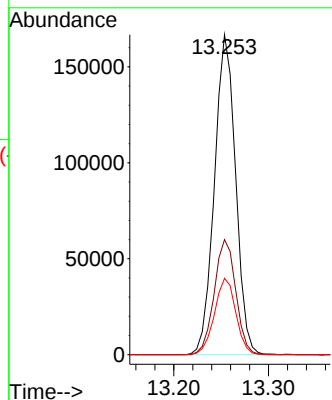
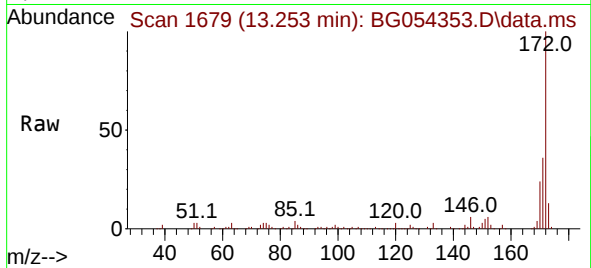




#45
2-Fluorobiphenyl
Concen: 57.180 ng
RT: 13.253 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

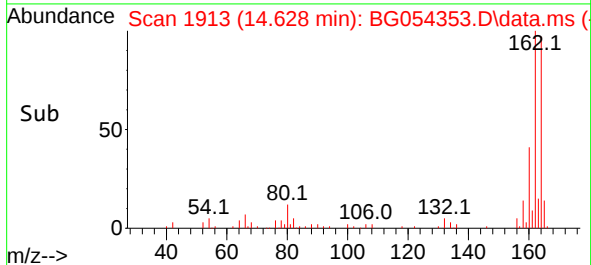
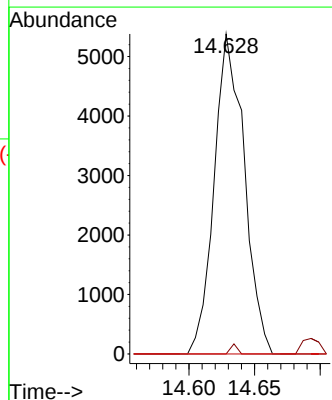
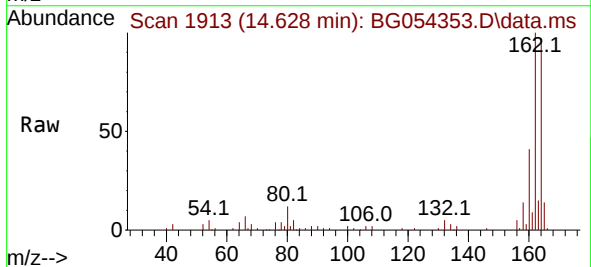
Instrument :
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ClientSampleId :
0718-WC-TP-WC5A

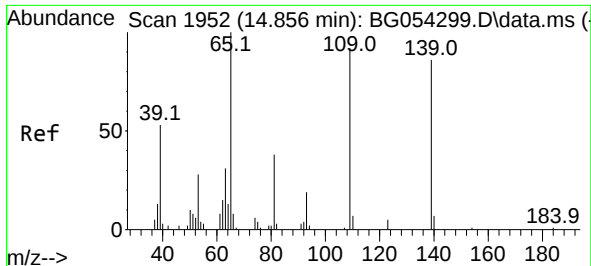
Tgt Ion:172 Resp: 258656
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.837 ng
RT: 14.628 min Scan# 1913
Delta R.T. 0.424 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion:165 Resp: 8568
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

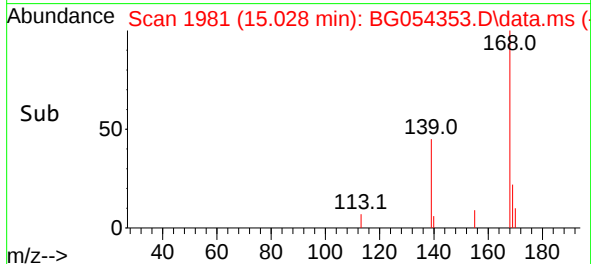
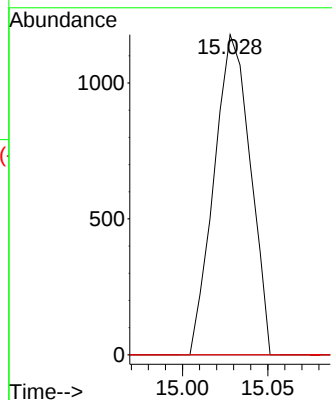
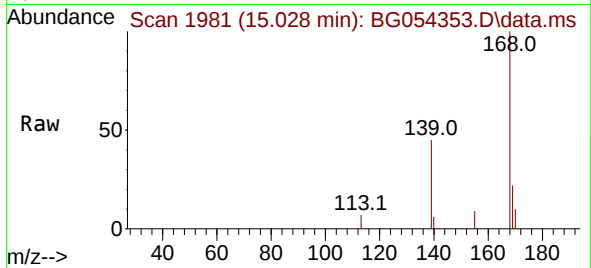




#56
4-Nitrophenol
Concen: 2.861 ng
RT: 15.028 min Scan# 1913
Delta R.T. 0.172 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

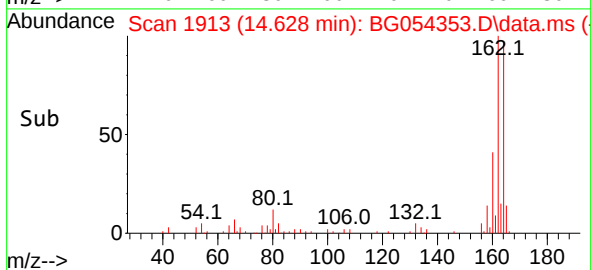
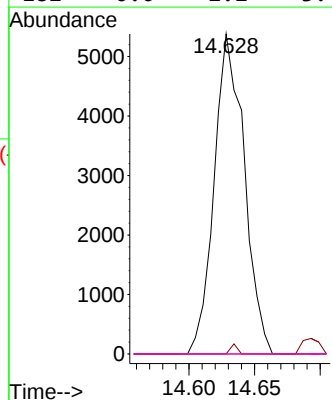
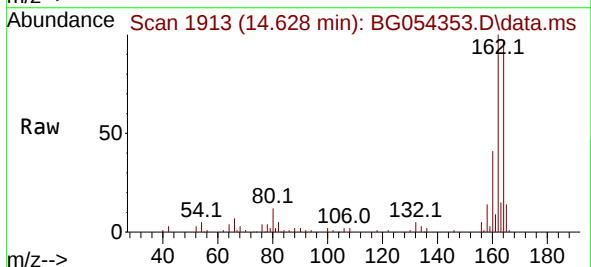
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

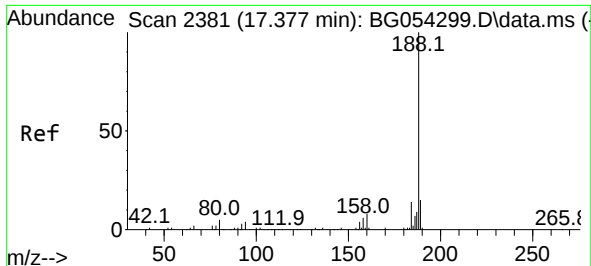
Tgt Ion:139 Resp: 1745
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.467 ng
RT: 14.628 min Scan# 1913
Delta R.T. -0.369 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion:165 Resp: 8568
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#

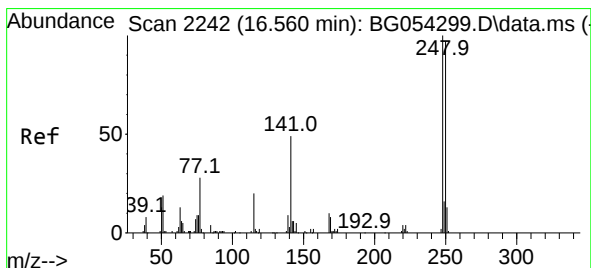
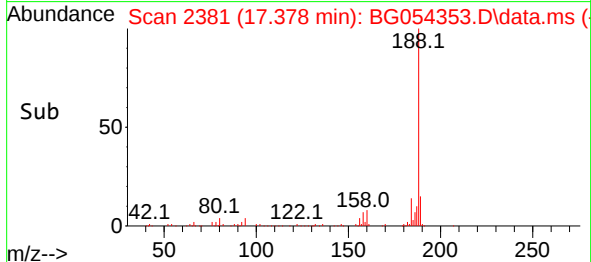
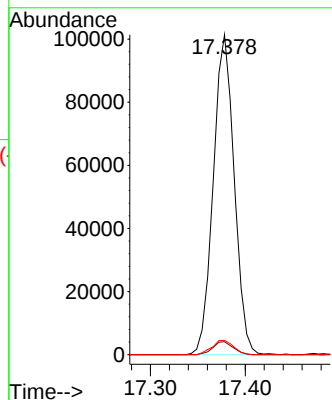
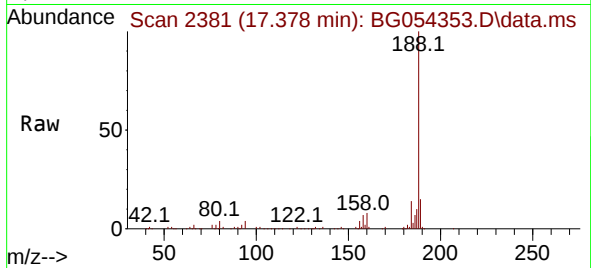




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.378 min Scan# 2167
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

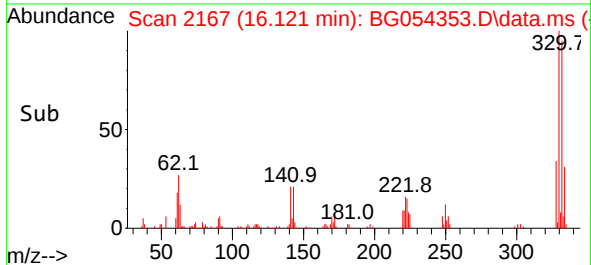
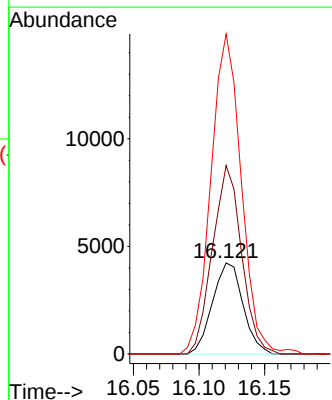
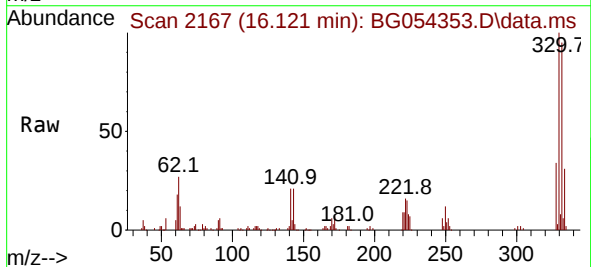
Instrument :
BNA_G
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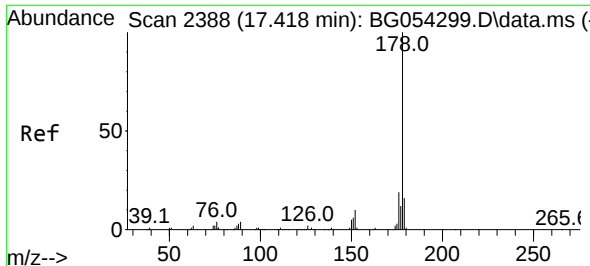
Tgt Ion:188 Resp: 155417
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.5 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.133 ng
RT: 16.121 min Scan# 2167
Delta R.T. -0.440 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

Tgt Ion:248 Resp: 6839
Ion Ratio Lower Upper
248 100
250 202.2 75.2 112.8#
141 265.5 50.0 75.0#

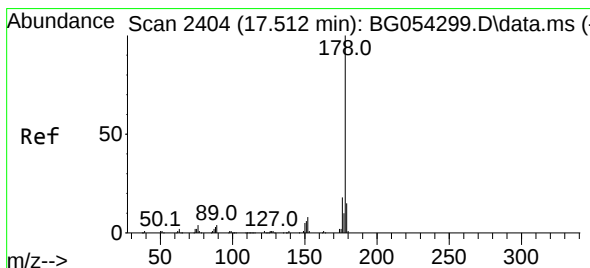
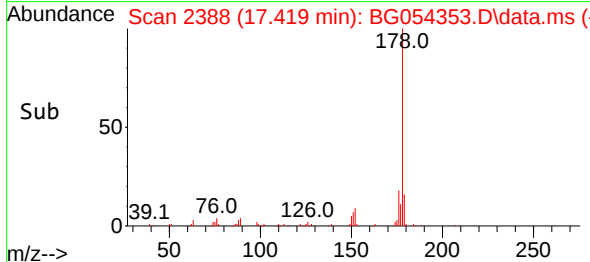
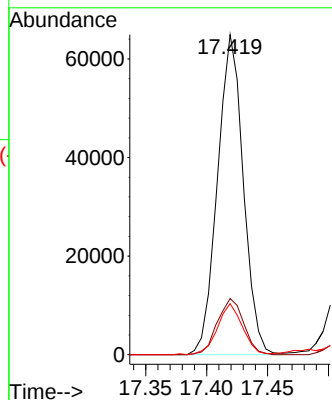
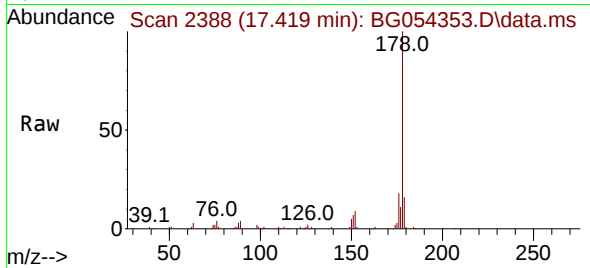




#71
Phenanthrene
Concen: 12.380 ng
RT: 17.419 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

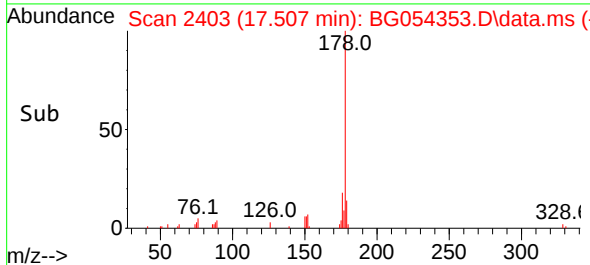
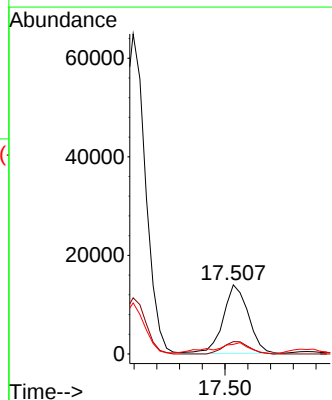
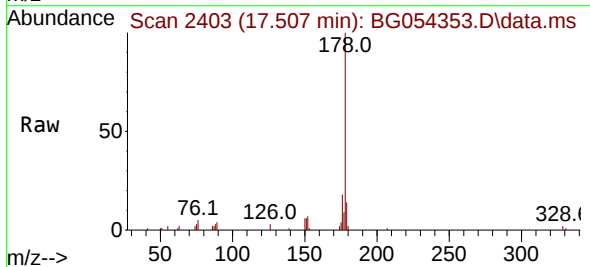
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

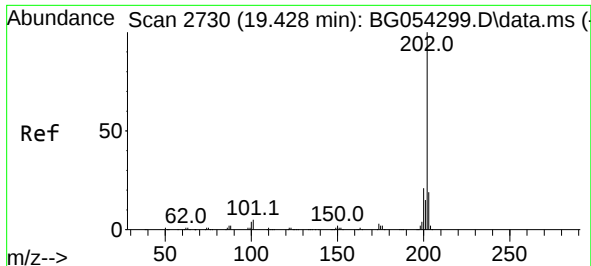
Tgt Ion:178 Resp: 95816
Ion Ratio Lower Upper
178 100
176 17.5 14.1 21.1
179 15.9 12.1 18.1



#72
Anthracene
Concen: 2.819 ng
RT: 17.507 min Scan# 2403
Delta R.T. -0.005 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

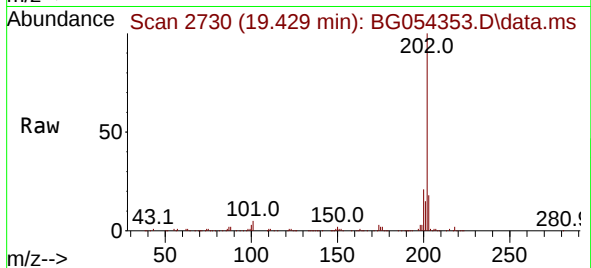
Tgt Ion:178 Resp: 21412
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 13.8 13.0 19.4



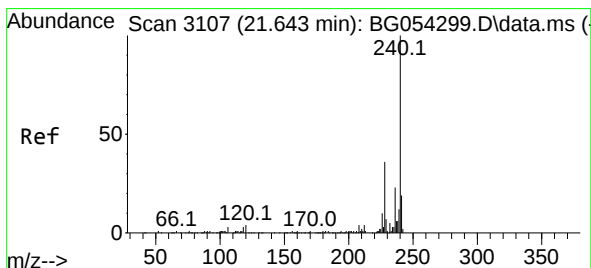
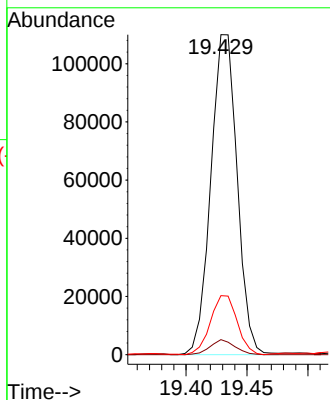
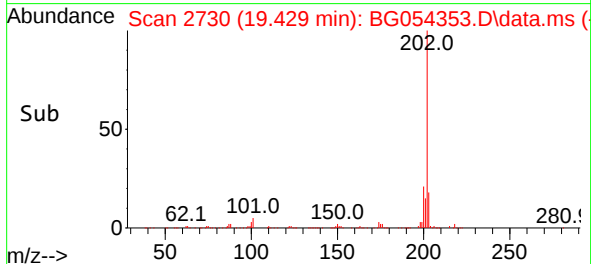


#75
Fluoranthene
Concen: 15.691 ng
RT: 19.429 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

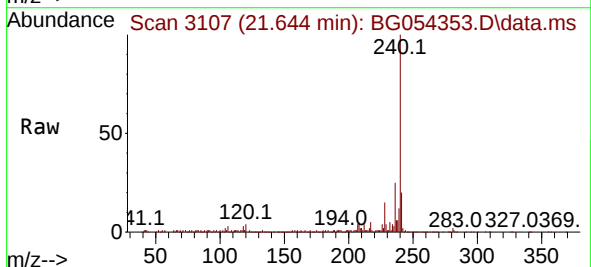
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A



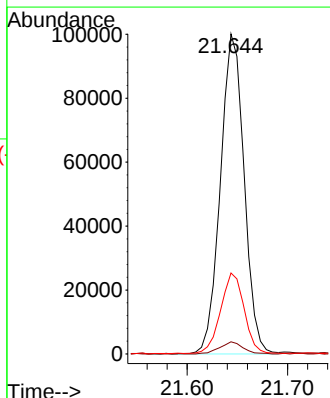
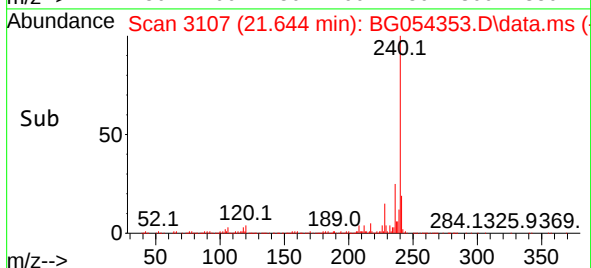
Tgt Ion:202 Resp: 165551
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 18.4 0.0 37.2

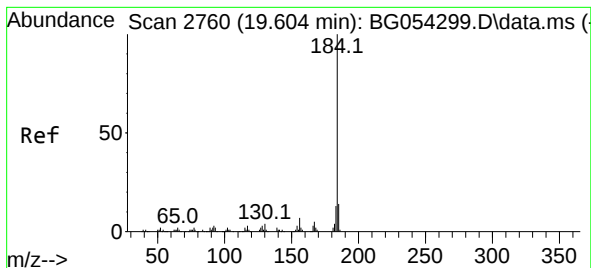


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.644 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37



Tgt Ion:240 Resp: 164248
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.3 20.2 30.4





#77

Benzidine

Concen: 2.256 ng

RT: 19.987 min Scan# 21

Delta R.T. 0.383 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC5A

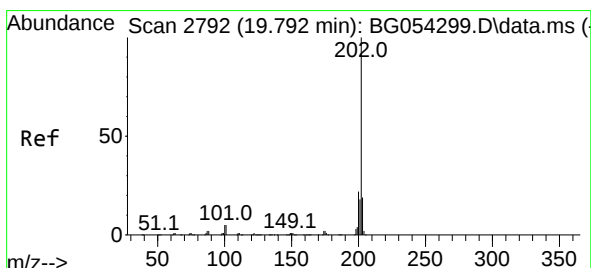
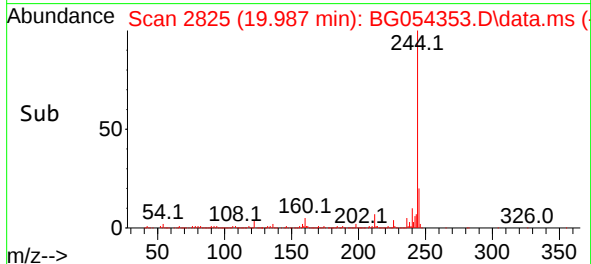
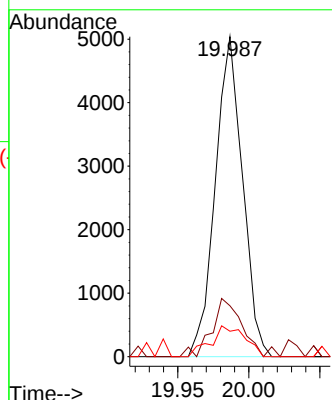
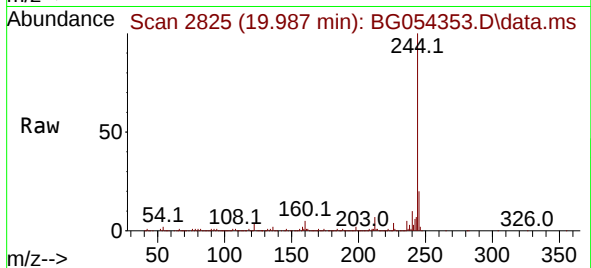
Tgt Ion:184 Resp: 6711

Ion Ratio Lower Upper

184 100

185 15.9 11.8 17.6

183 8.0 8.9 13.3#



#78

Pyrene

Concen: 14.742 ng

RT: 19.793 min Scan# 2792

Delta R.T. 0.001 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

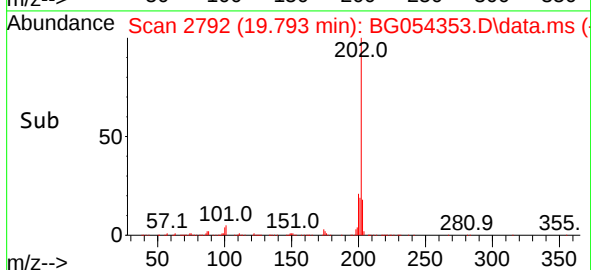
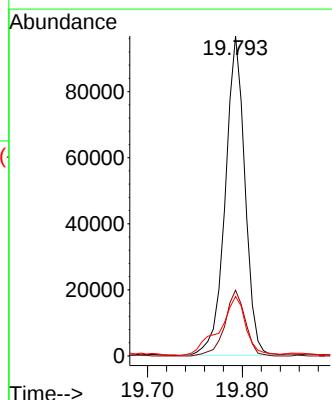
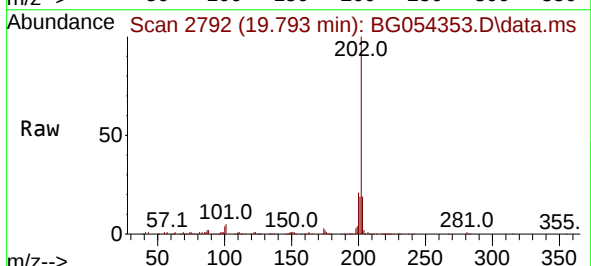
Tgt Ion:202 Resp: 138935

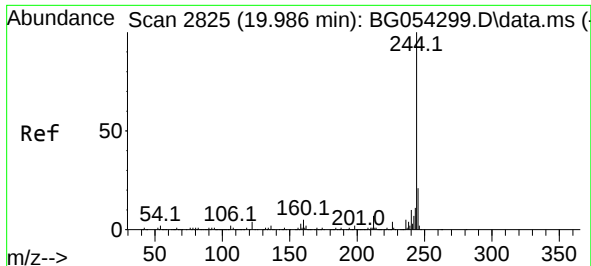
Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

203 18.6 14.6 21.8

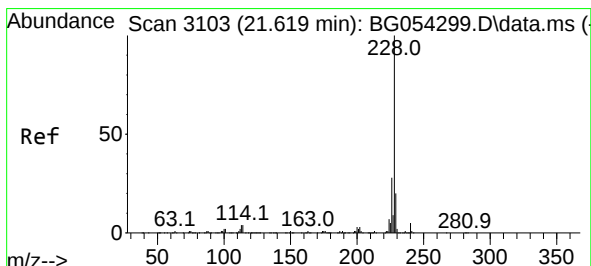
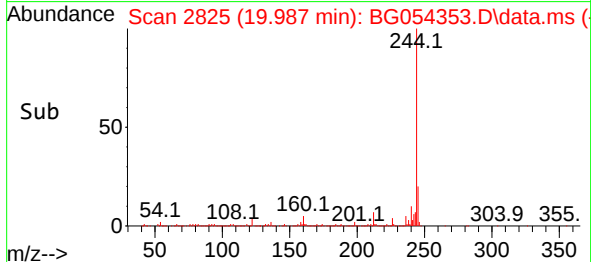
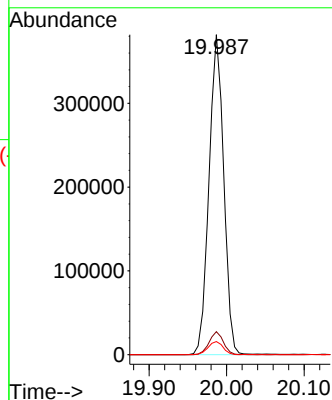
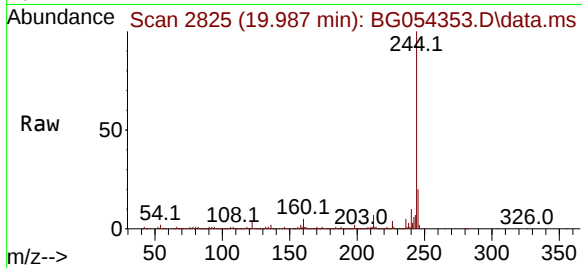




#79
 Terphenyl-d14
 Concen: 60.831 ng
 RT: 19.987 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

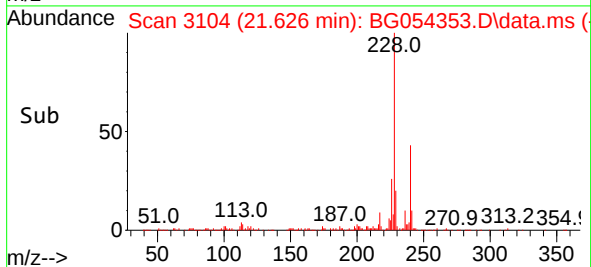
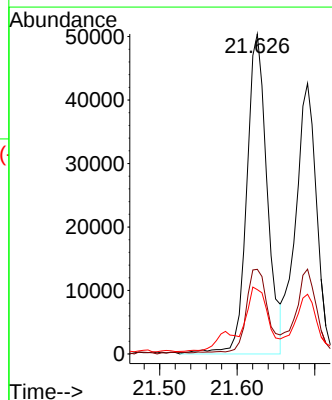
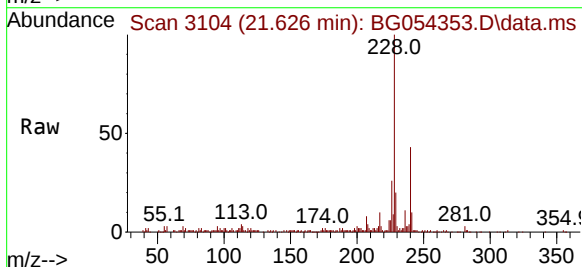
Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A

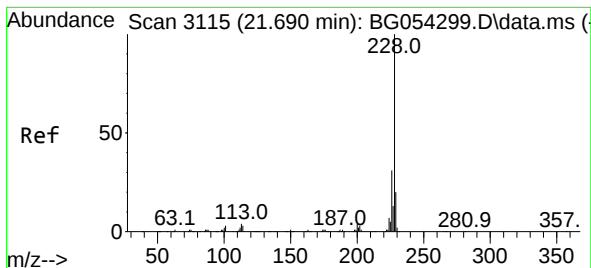
Tgt Ion:244 Resp: 503651
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 8.868 ng
 RT: 21.626 min Scan# 3104
 Delta R.T. 0.007 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

Tgt Ion:228 Resp: 92463
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 20.1 16.2 24.2





#83

Chrysene

Concen: 8.041 ng

RT: 21.691 min Scan# 3115

Delta R.T. 0.001 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC5A

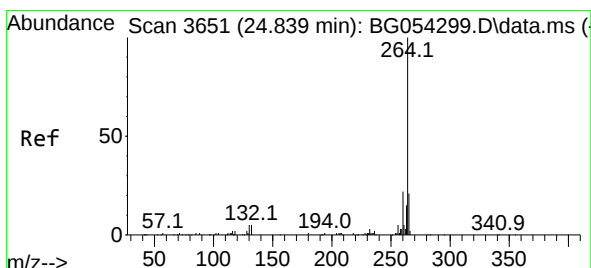
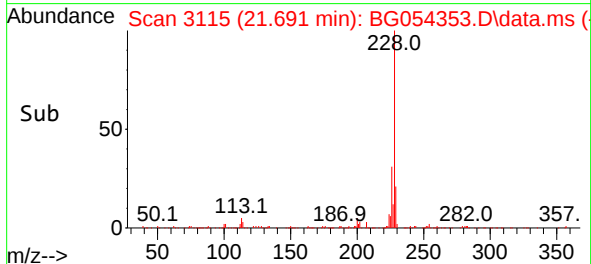
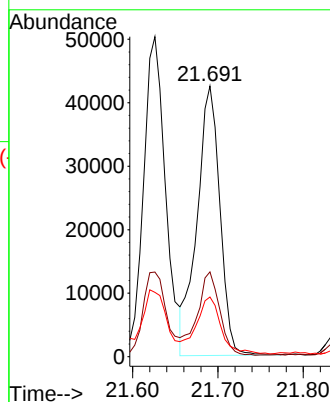
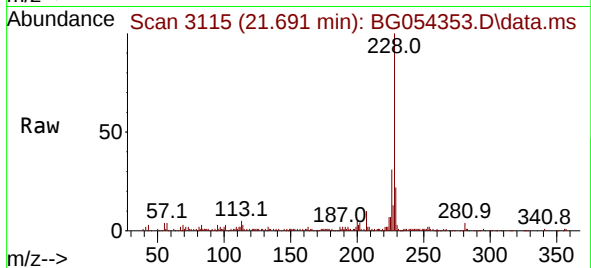
Tgt Ion:228 Resp: 79207

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.2

229 22.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.858 min Scan# 3654

Delta R.T. 0.019 min

Lab File: BG054353.D

Acq: 21 Jul 2022 20:37

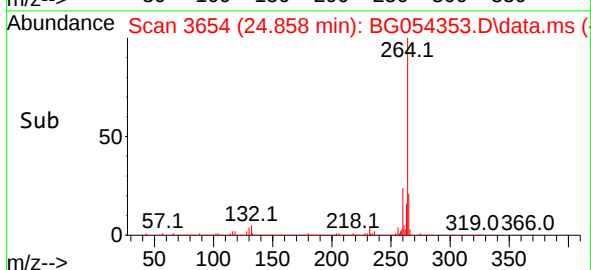
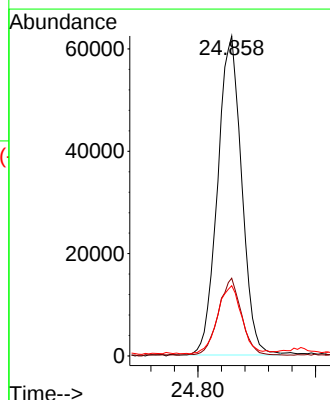
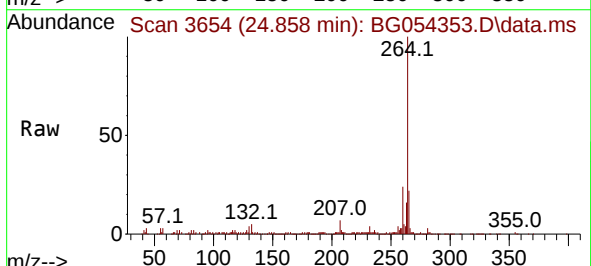
Tgt Ion:264 Resp: 177111

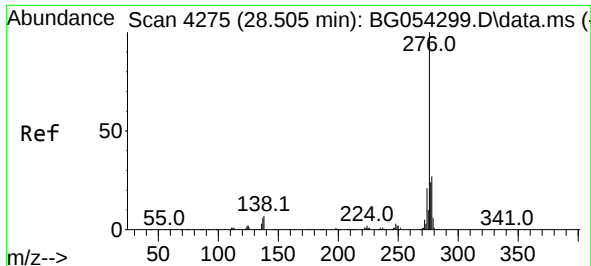
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.9 17.4 26.2

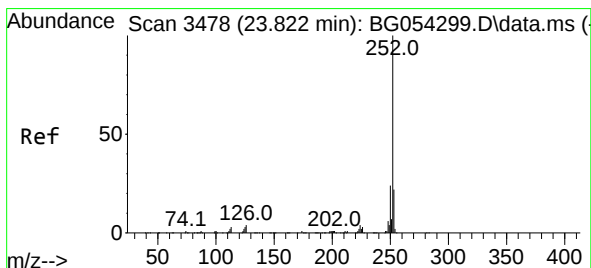
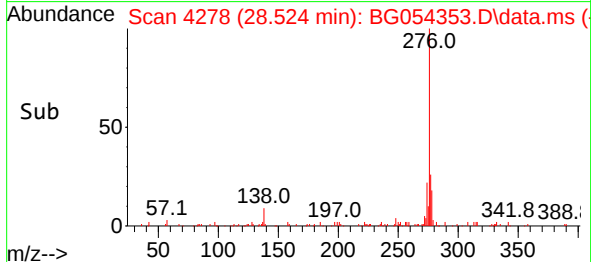
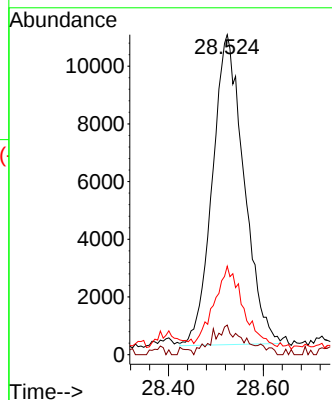
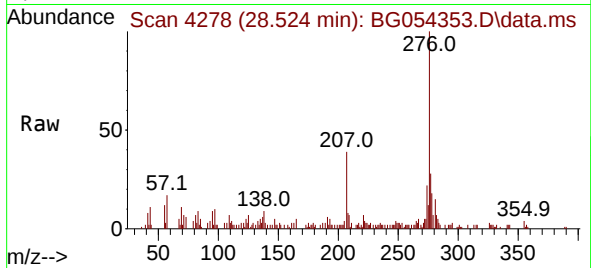




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.679 ng
 RT: 28.524 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

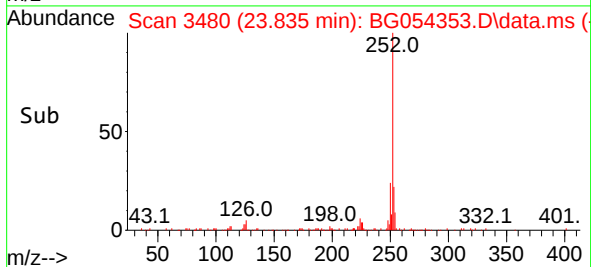
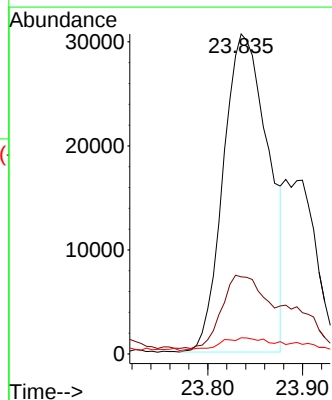
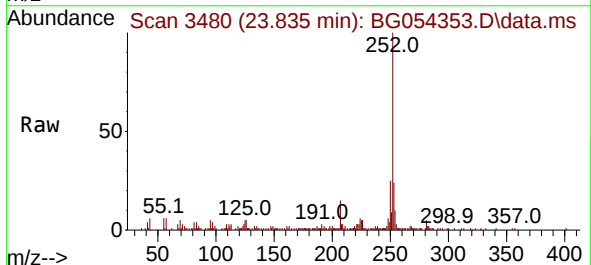
Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A

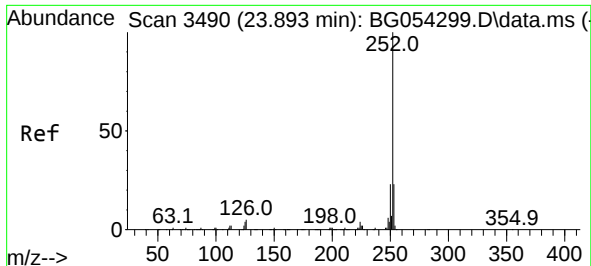
Tgt Ion:276 Resp: 49565
 Ion Ratio Lower Upper
 276 100
 138 5.7 5.0 7.4
 277 23.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 9.636 ng
 RT: 23.835 min Scan# 3480
 Delta R.T. 0.013 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

Tgt Ion:252 Resp: 100927
 Ion Ratio Lower Upper
 252 100
 253 24.1 18.0 27.0
 125 5.0 4.6 6.8

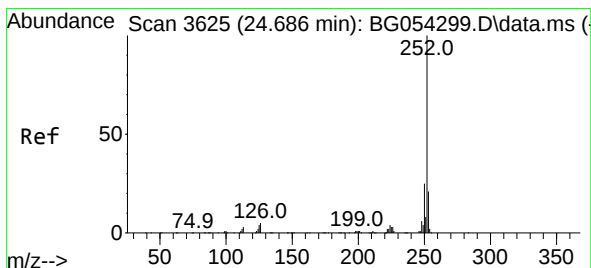
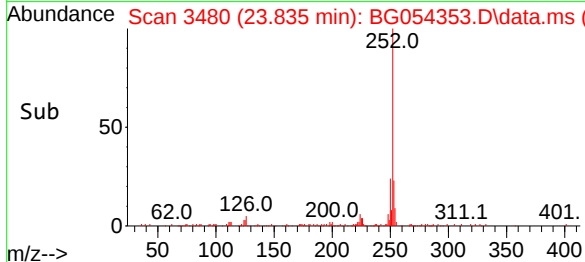
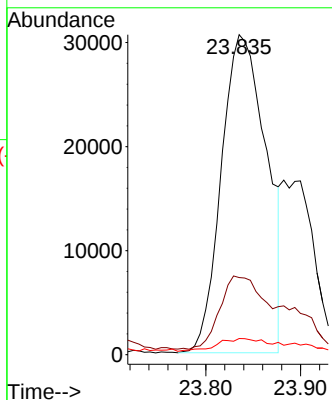
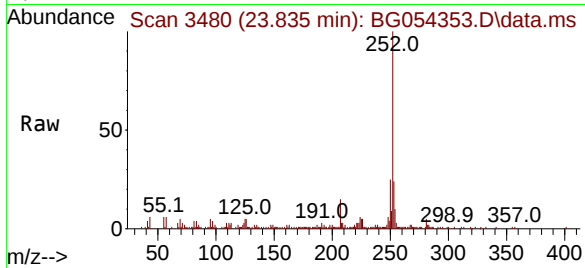




#89
Benzo(k)fluoranthene
Concen: 9.682 ng
RT: 23.835 min Scan# 3490
Delta R.T. -0.058 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

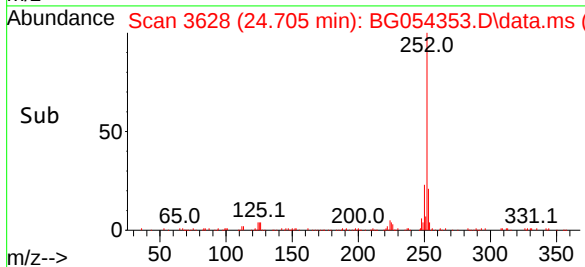
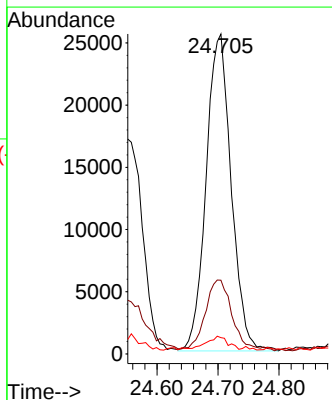
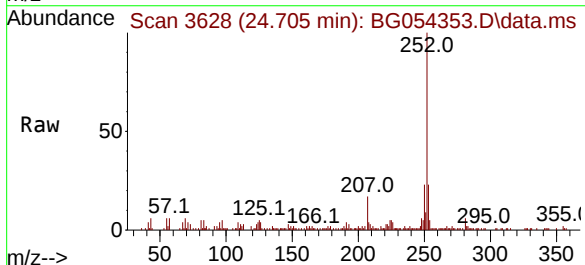
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC5A

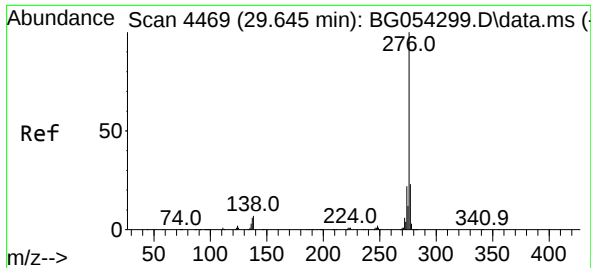
Tgt Ion:252 Resp: 100927
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 5.0 4.8 7.2



#90
Benzo(a)pyrene
Concen: 8.161 ng
RT: 24.705 min Scan# 3628
Delta R.T. 0.019 min
Lab File: BG054353.D
Acq: 21 Jul 2022 20:37

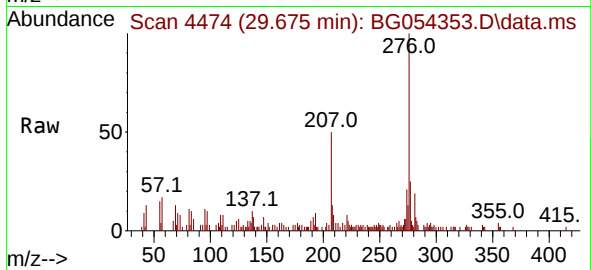
Tgt Ion:252 Resp: 73004
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.166 ng
 RT: 29.675 min Scan# 44
 Delta R.T. 0.030 min
 Lab File: BG054353.D
 Acq: 21 Jul 2022 20:37

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC5A



Tgt Ion:276 Resp: 45557
 Ion Ratio Lower Upper
 276 100
 277 25.0 17.3 25.9
 138 7.1 9.6 14.4#

