

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
 Data File : BG055021.D
 Acq On : 23 Sep 2022 20:54
 Operator : CG/JU
 Sample : N4751-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-4

Quant Time: Sep 24 02:29:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 17:41:40 2022
 Response via : Initial Calibration

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

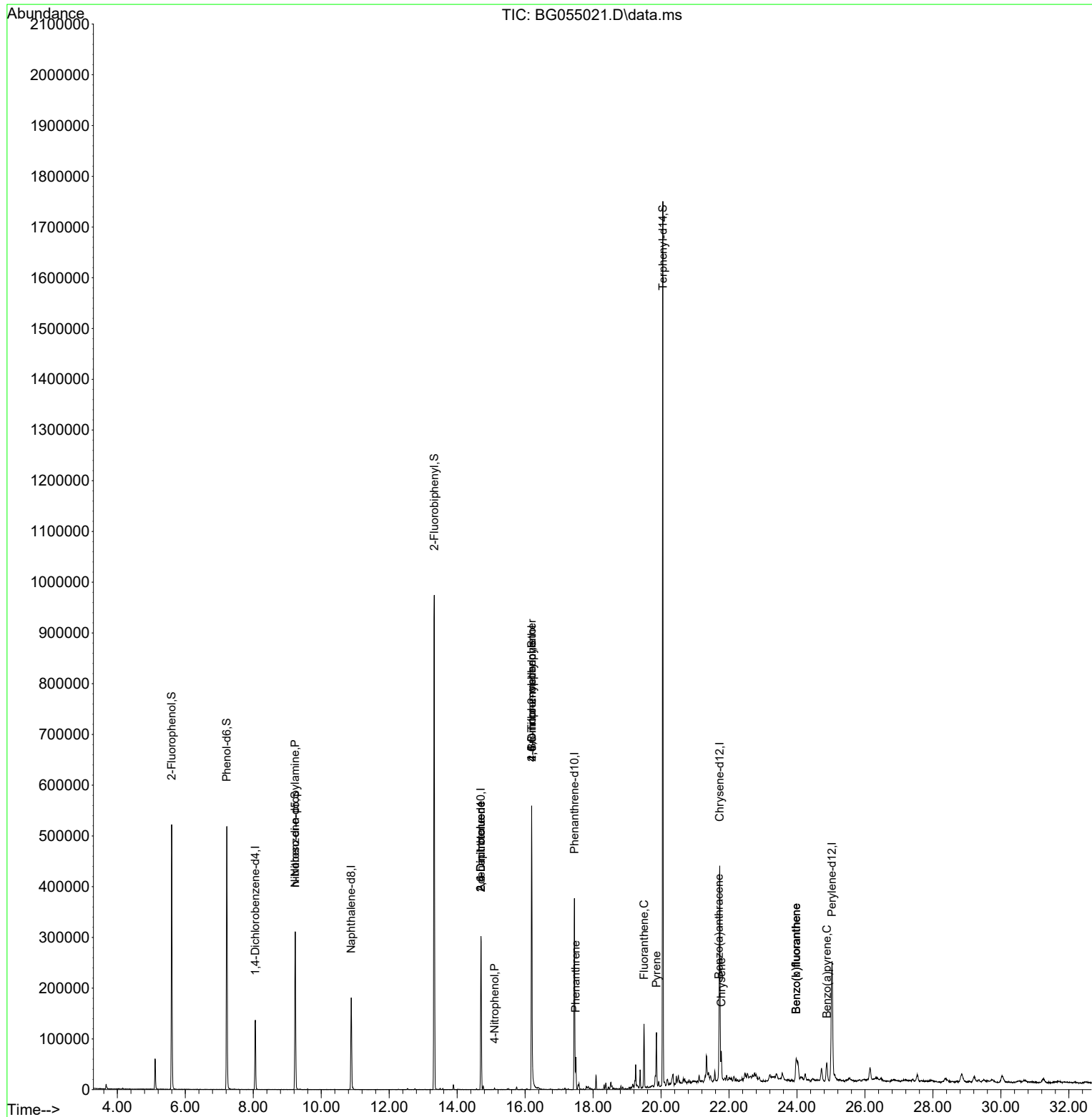
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	44020	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	172946	20.000	ng	# 0.00
39) Acenaphthene-d10	14.698	164	117586	20.000	ng	0.00
64) Phenanthrene-d10	17.448	188	257637	20.000	ng	0.00
76) Chrysene-d12	21.725	240	256608	20.000	ng	0.00
86) Perylene-d12	25.027	264	274197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.597	112	264150	117.414	ng	0.00
7) Phenol-d6	7.219	99	346422	114.881	ng	0.00
23) Nitrobenzene-d5	9.234	82	199949	67.012	ng	0.00
42) 2,4,6-Tribromophenol	16.191	330	142987	103.801	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	551420	73.905	ng	0.00
79) Terphenyl-d14	20.051	244	895853	73.028	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.234	70	24355	11.735	ng	# 72
51) 2,6-Dinitrotoluene	14.698	165	15508	8.192	ng	# 20
56) 4-Nitrophenol	15.098	139	822	4.760	ng	# 6
57) 2,4-Dinitrotoluene	14.698	165	15508	5.759	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.191	198	254	5.163	ng	# 4
67) 4-Bromophenyl-phenylether	16.191	248	8656	3.046	ng	# 1
71) Phenanthrene	17.489	178	42516	3.240	ng	99
75) Fluoranthene	19.499	202	83706	5.037	ng	96
78) Pyrene	19.863	202	73258	4.343	ng	98
81) Benzo(a)anthracene	21.702	228	46896	2.842	ng	98
83) Chrysene	21.772	228	39462	2.498	ng	97
88) Benzo(b)fluoranthene	23.976	252	59083	3.653	ng	95
89) Benzo(k)fluoranthene	23.976	252	59083	3.619	ng	95
90) Benzo(a)pyrene	24.875	252	41838	3.004	ng	96

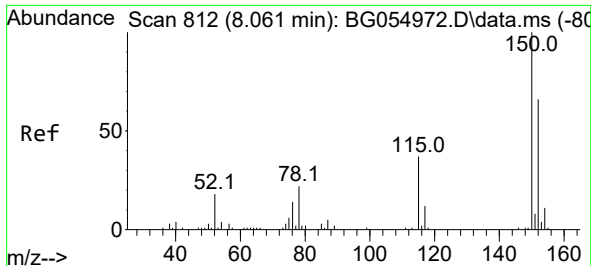
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
Data File : BG055021.D
Acq On : 23 Sep 2022 20:54
Operator : CG/JU
Sample : N4751-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PE-4

Quant Time: Sep 24 02:29:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 17:41:40 2022
Response via : Initial Calibration

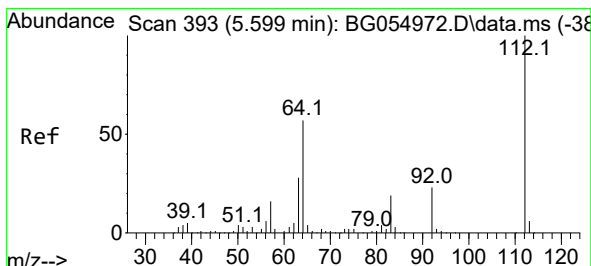
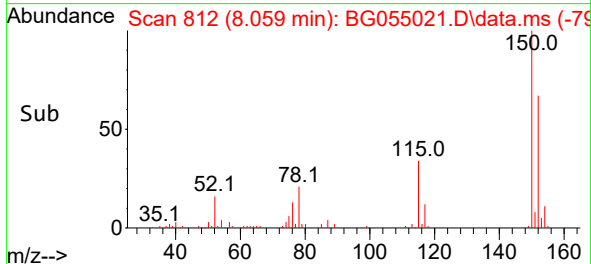
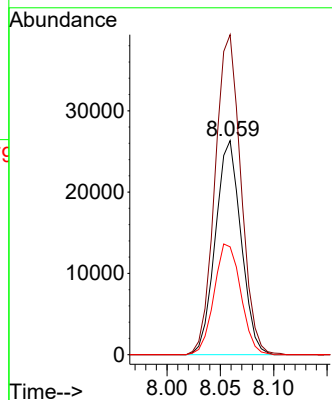
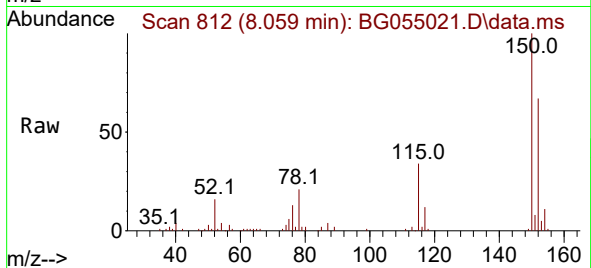




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.059 min Scan# 812
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

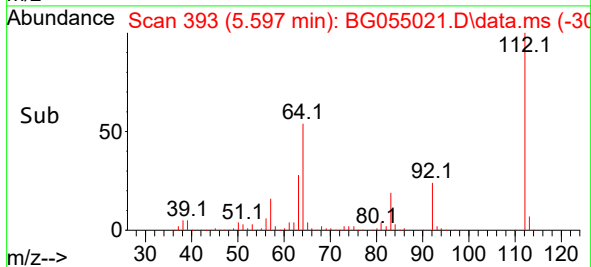
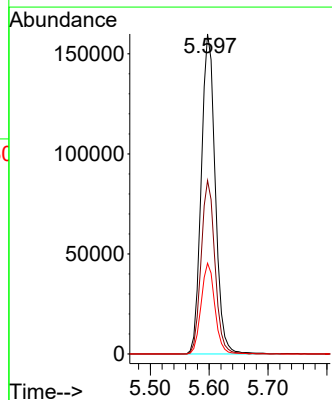
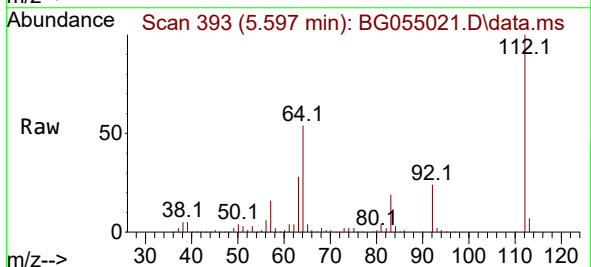
Instrument :
BNA_G
ClientSampleId :
PE-4

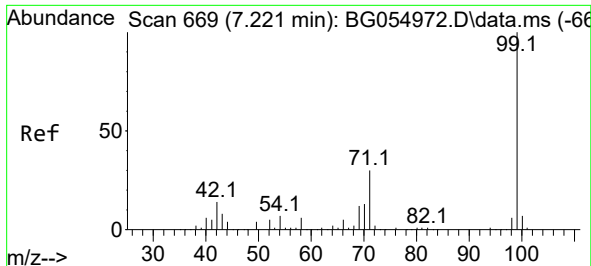
Tgt Ion:152 Resp: 44020
Ion Ratio Lower Upper
152 100
150 149.5 125.2 187.8
115 50.4 47.9 71.9



#5
2-Fluorophenol
Concen: 117.414 ng
RT: 5.597 min Scan# 393
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:112 Resp: 264150
Ion Ratio Lower Upper
112 100
64 54.2 49.3 73.9
63 28.3 26.3 39.5

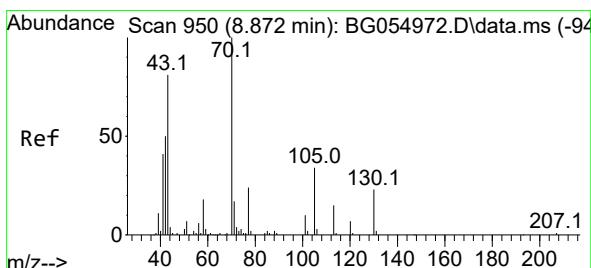
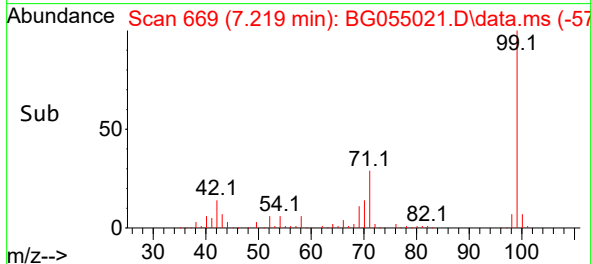
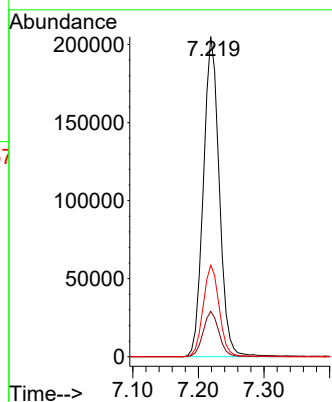
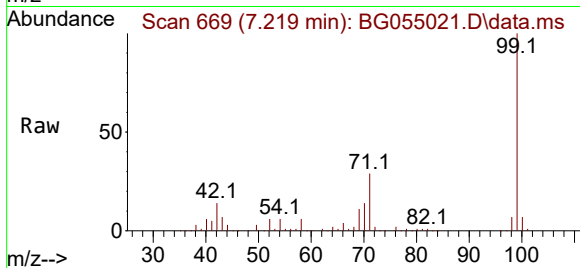




#7
Phenol-d6
Concen: 114.881 ng
RT: 7.219 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

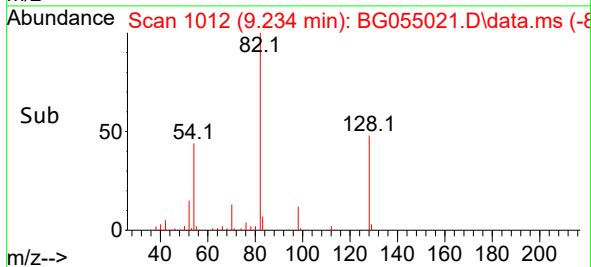
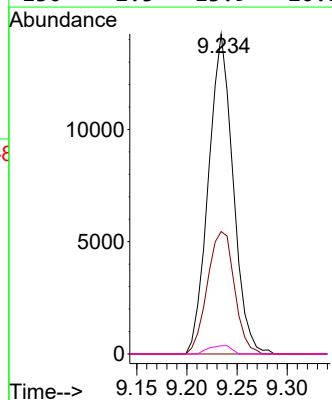
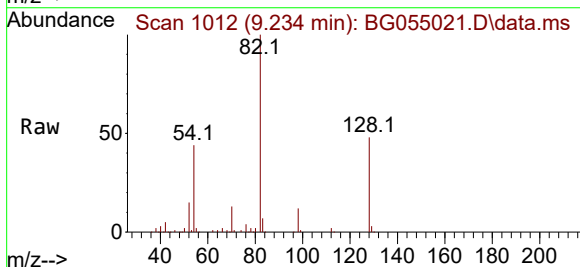
Instrument :
BNA_G
ClientSampleId :
PE-4

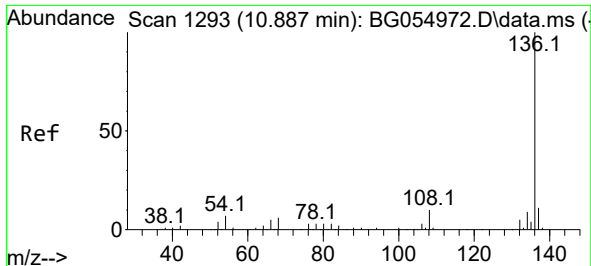
Tgt Ion: 99 Resp: 346422
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0#
71 28.6 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.735 ng
RT: 9.234 min Scan# 1012
Delta R.T. 0.363 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion: 70 Resp: 24355
Ion Ratio Lower Upper
70 100
42 38.2 46.6 69.8#
101 0.0 7.7 11.5#
130 2.5 13.9 20.9#

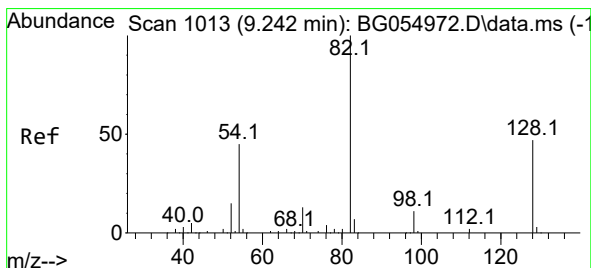
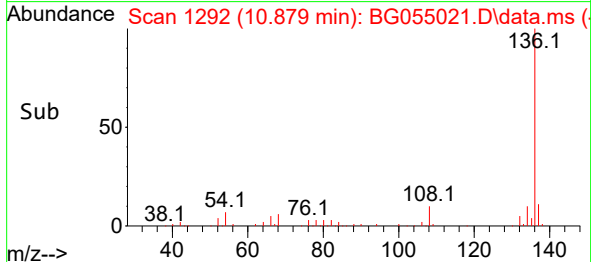
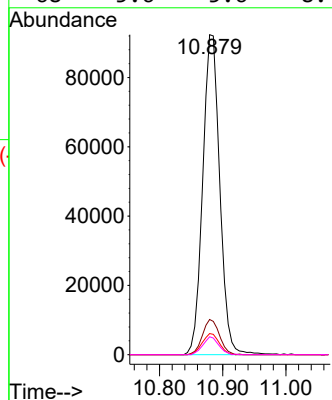
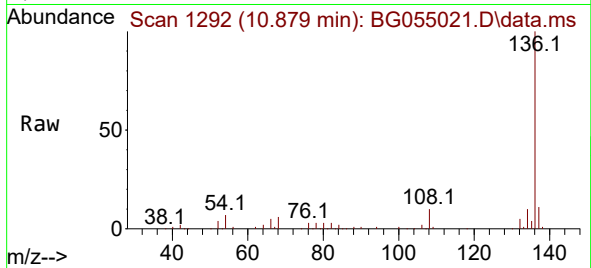




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

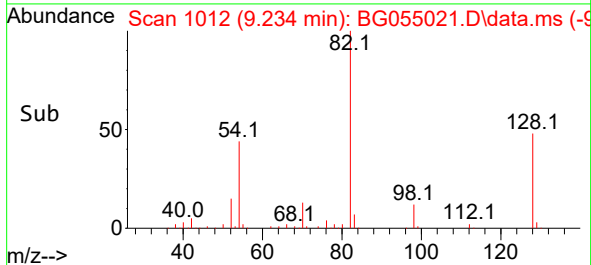
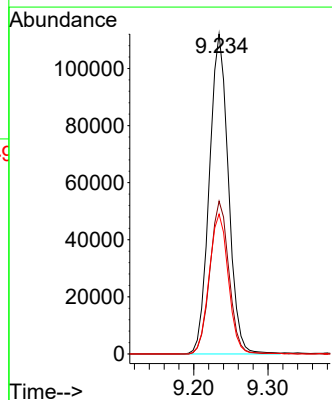
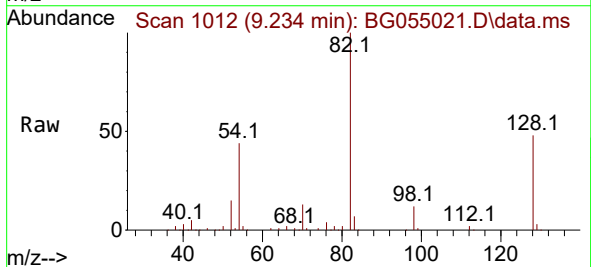
Instrument :
BNA_G
ClientSampleId :
PE-4

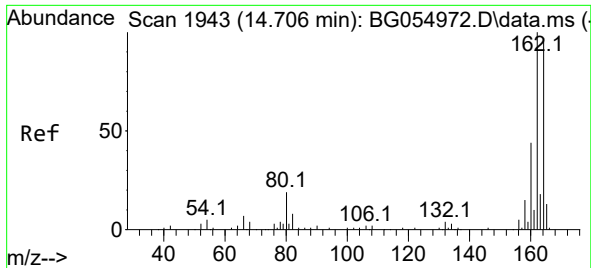
Tgt Ion:	136	Resp:	172946
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.2	13.8
54	6.6	7.7	11.5
68	5.6	5.6	8.4



#23
Nitrobenzene-d5
Concen: 67.012 ng
RT: 9.234 min Scan# 1012
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:	82	Resp:	199949
Ion Ratio	Lower	Upper	
82	100		
128	47.8	32.2	48.2
54	43.7	41.4	62.0

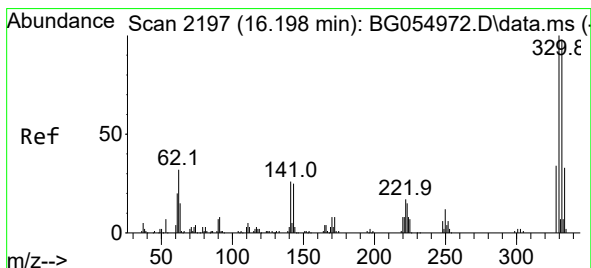
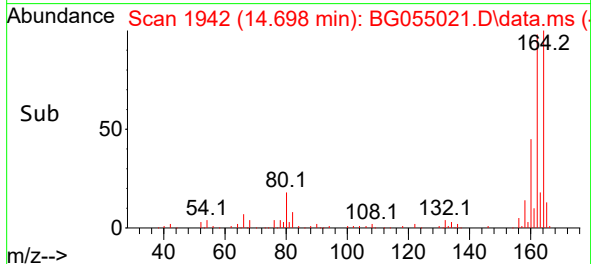
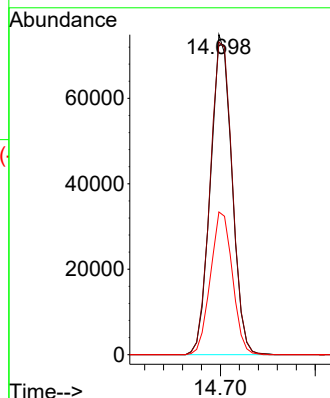
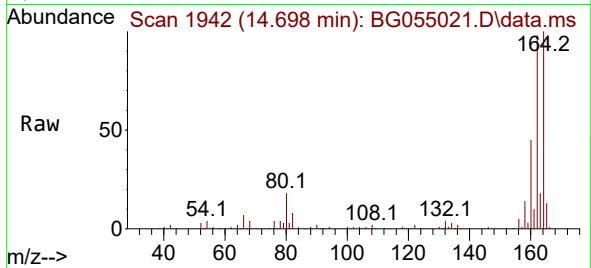




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.698 min Scan# 1942
 Delta R.T. -0.008 min
 Lab File: BG055021.D
 Acq: 23 Sep 2022 20:54

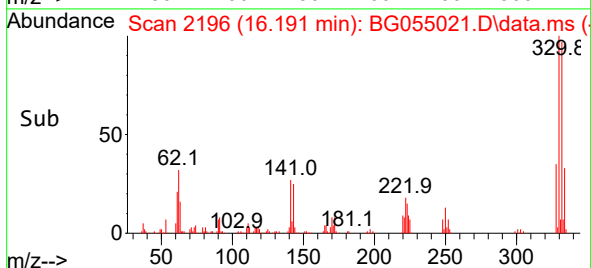
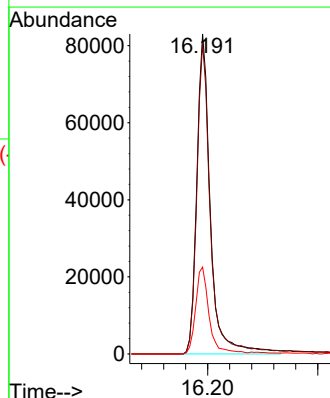
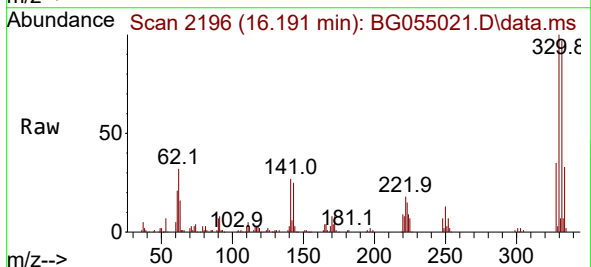
Instrument :
 BNA_G
 ClientSampleId :
 PE-4

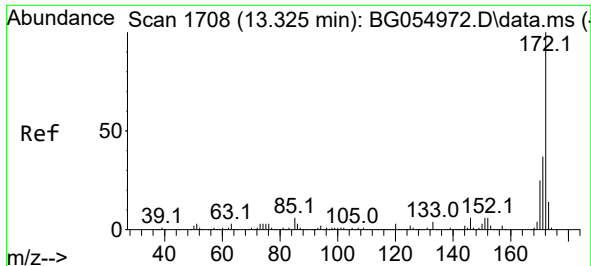
Tgt Ion:164 Resp: 117586
 Ion Ratio Lower Upper
 164 100
 162 97.7 83.0 124.4
 160 44.6 38.0 57.0



#42
 2,4,6-Tribromophenol
 Concen: 103.801 ng
 RT: 16.191 min Scan# 2196
 Delta R.T. -0.008 min
 Lab File: BG055021.D
 Acq: 23 Sep 2022 20:54

Tgt Ion:330 Resp: 142987
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.8 119.6
 141 26.8 26.8 40.2#

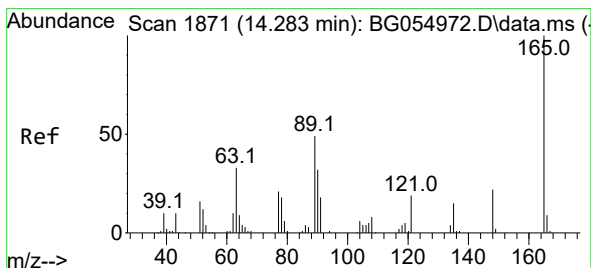
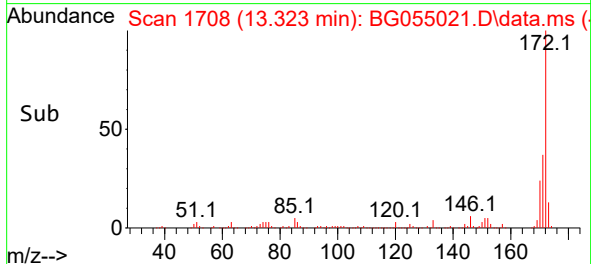
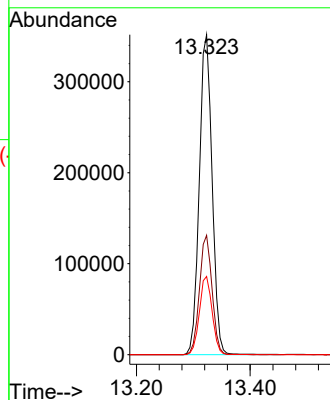
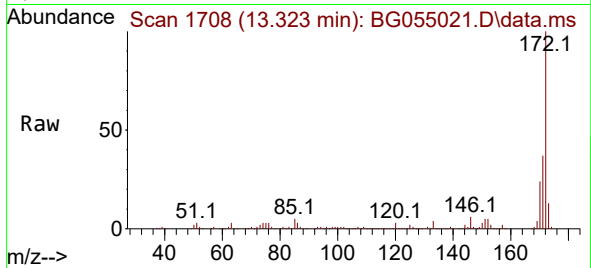




#45
 2-Fluorobiphenyl
 Concen: 73.905 ng
 RT: 13.323 min Scan# 11
 Delta R.T. -0.002 min
 Lab File: BG055021.D
 Acq: 23 Sep 2022 20:54

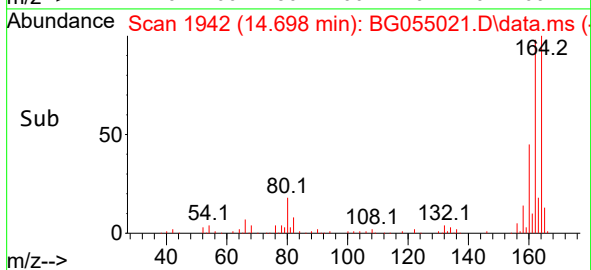
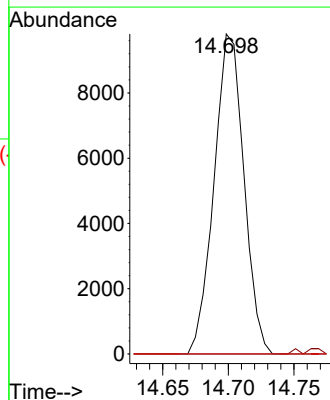
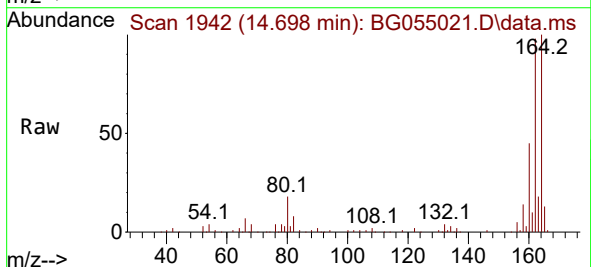
Instrument :
 BNA_G
 ClientSampleId :
 PE-4

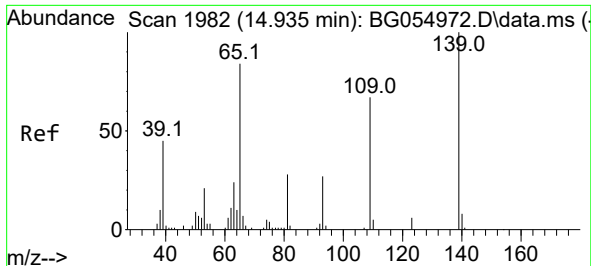
Tgt Ion:172 Resp: 551420
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.2 46.8
 170 24.4 20.6 30.8



#51
 2,6-Dinitrotoluene
 Concen: 8.192 ng
 RT: 14.698 min Scan# 1942
 Delta R.T. 0.415 min
 Lab File: BG055021.D
 Acq: 23 Sep 2022 20:54

Tgt Ion:165 Resp: 15508
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.0 69.0#
 89 0.0 50.3 75.5#

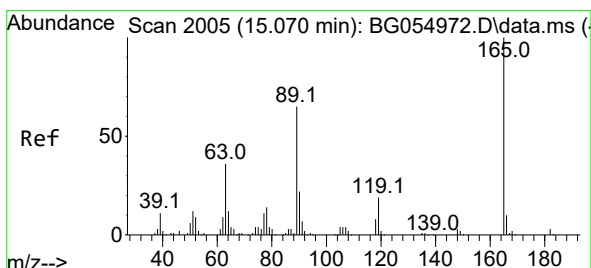
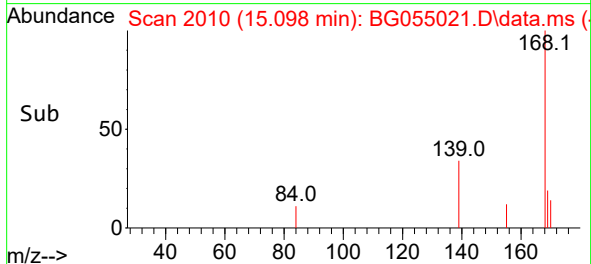
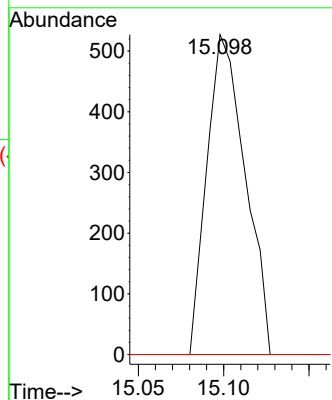
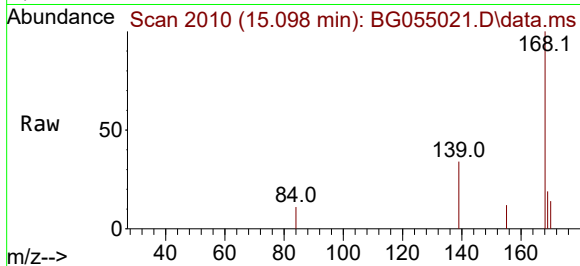




#56
4-Nitrophenol
Concen: 4.760 ng
RT: 15.098 min Scan# 20
Delta R.T. 0.163 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

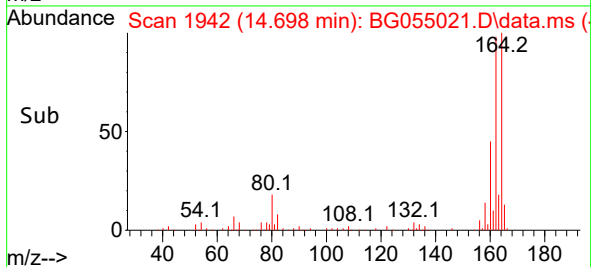
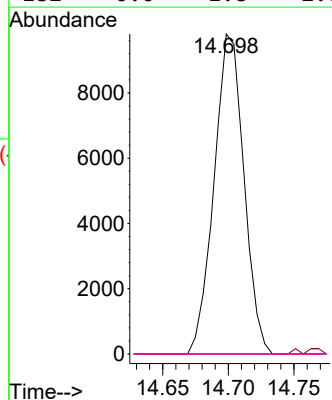
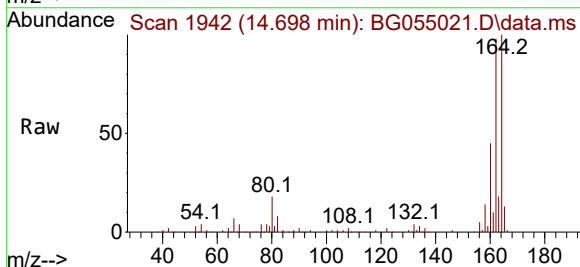
Instrument :
BNA_G
ClientSampleId :
PE-4

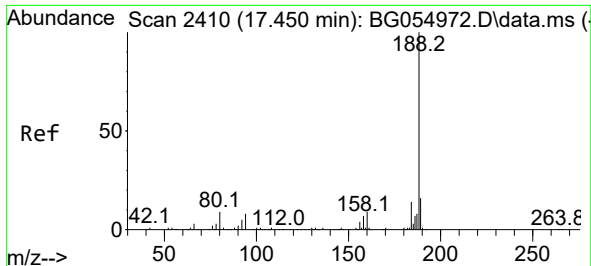
Tgt Ion:139 Resp: 822
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 79.9 119.9#



#57
2,4-Dinitrotoluene
Concen: 5.759 ng
RT: 14.698 min Scan# 1942
Delta R.T. -0.372 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:165 Resp: 15508
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#

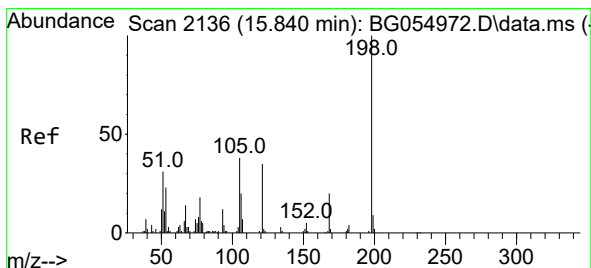
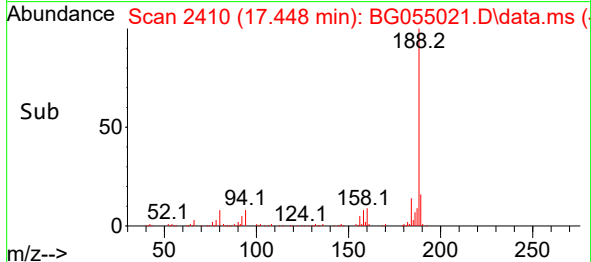
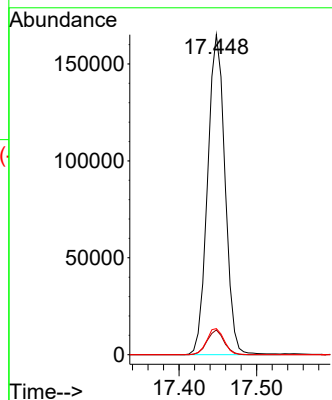
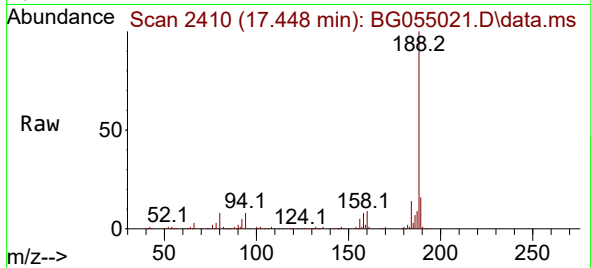




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.448 min Scan# 2410
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

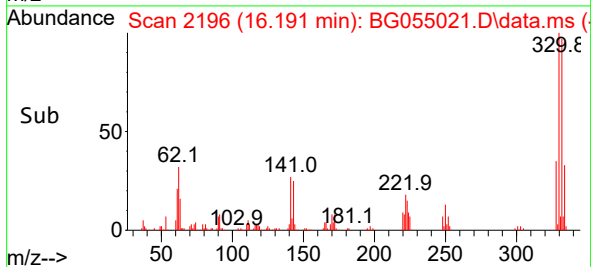
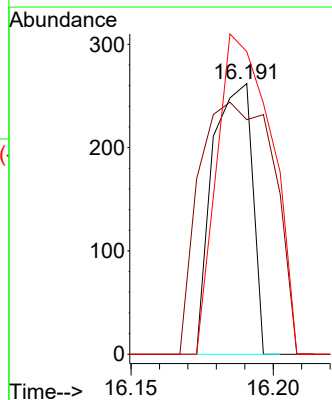
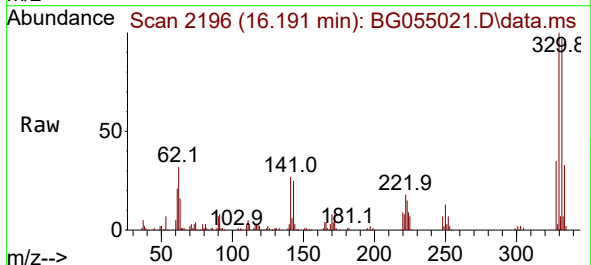
Instrument :
BNA_G
ClientSampleId :
PE-4

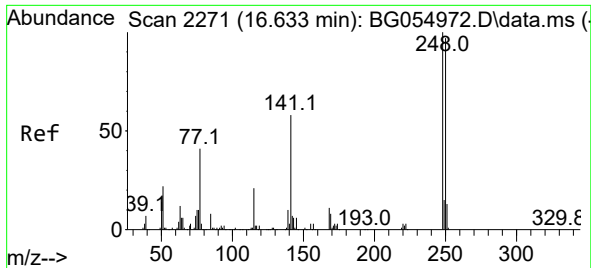
Tgt Ion:188 Resp: 257637
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.1 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 5.163 ng
RT: 16.191 min Scan# 2196
Delta R.T. 0.351 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:198 Resp: 254
Ion Ratio Lower Upper
198 100
51 86.6 19.9 59.9#
105 111.8 20.3 60.3#

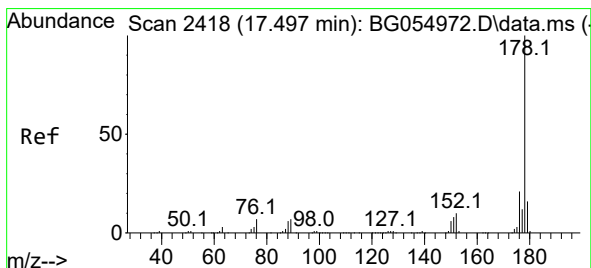
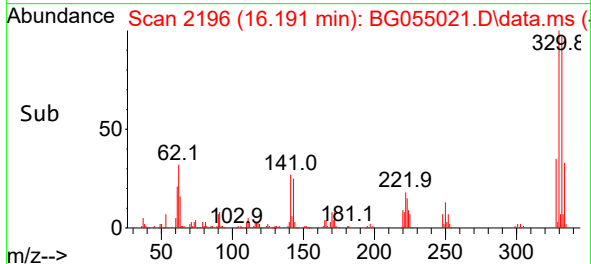
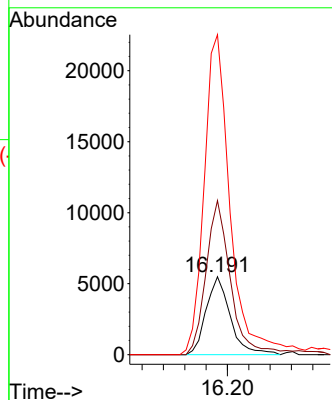
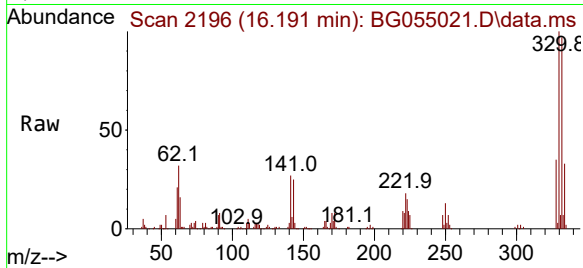




#67
4-Bromophenyl-phenylether
Concen: 3.046 ng
RT: 16.191 min Scan# 2196
Delta R.T. -0.442 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

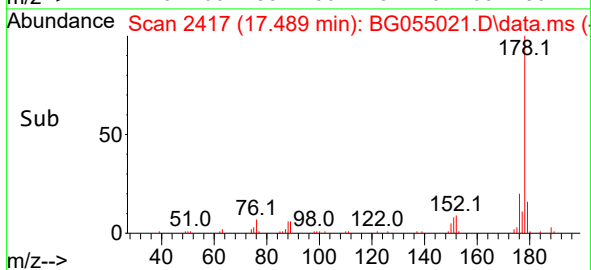
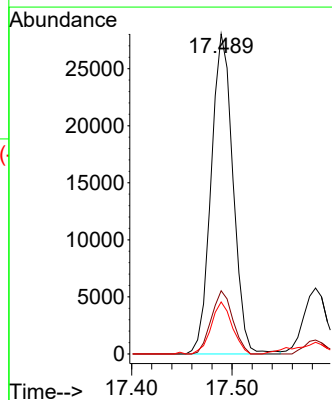
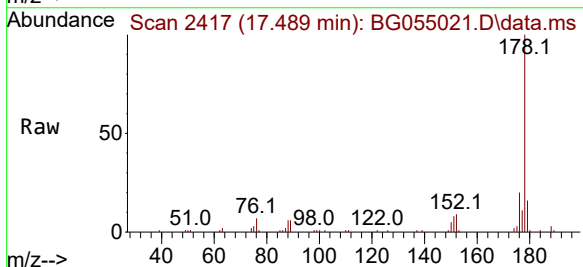
Instrument :
BNA_G
ClientSampleId :
PE-4

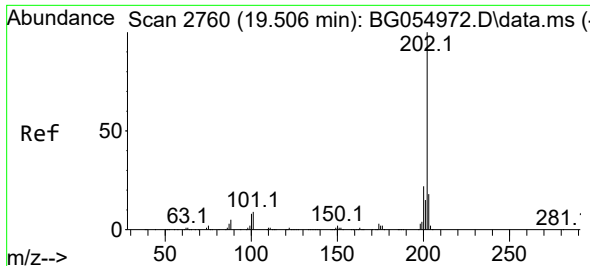
Tgt Ion:248 Resp: 8656
Ion Ratio Lower Upper
248 100
250 197.9 78.8 118.2#
141 411.0 51.9 77.9#



#71
Phenanthrene
Concen: 3.240 ng
RT: 17.489 min Scan# 2417
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:178 Resp: 42516
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 16.2 12.8 19.2

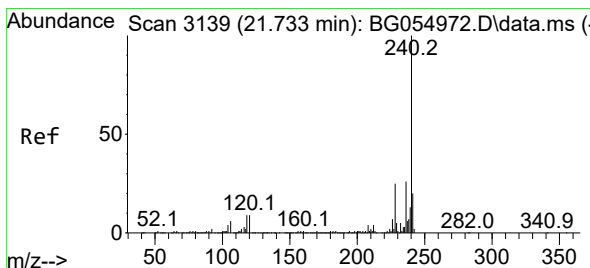
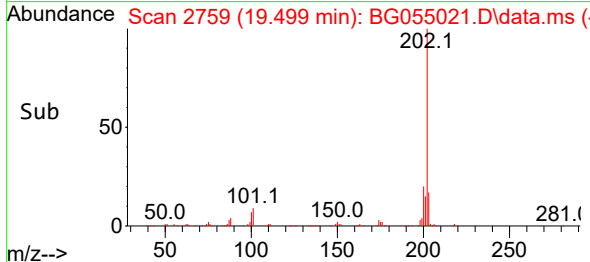
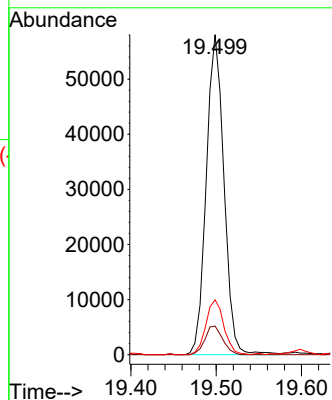
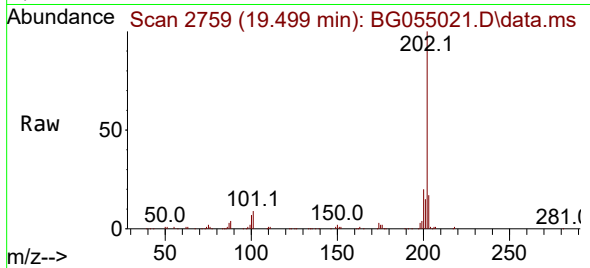




#75
Fluoranthene
Concen: 5.037 ng
RT: 19.499 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

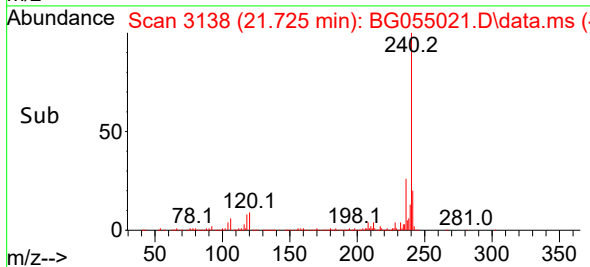
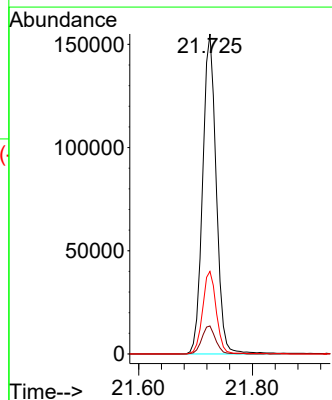
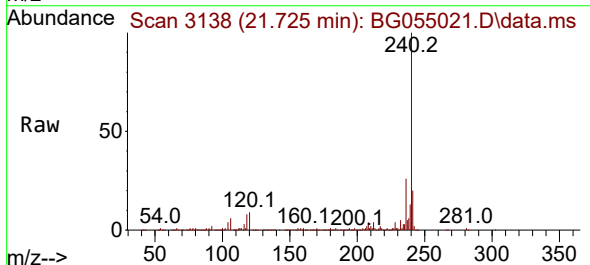
Instrument :
BNA_G
ClientSampleId :
PE-4

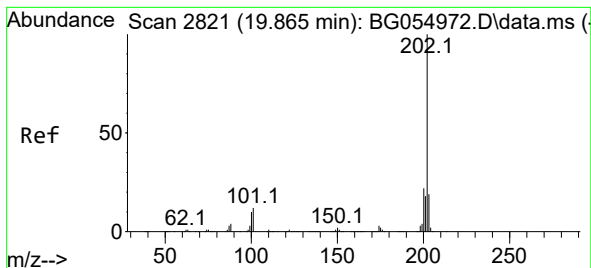
Tgt Ion:202 Resp: 83706
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.4
203 17.1 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.725 min Scan# 3138
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:240 Resp: 256608
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.4
236 25.8 21.2 31.8





#78

Pyrene

Concen: 4.343 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

PE-4

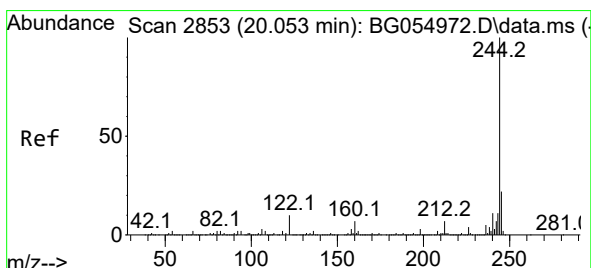
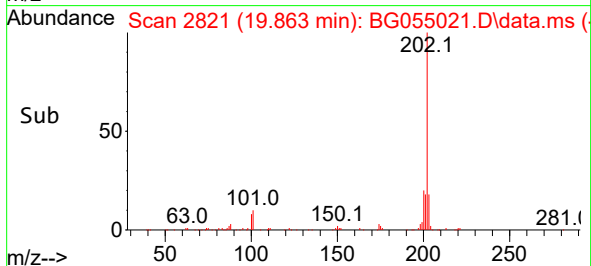
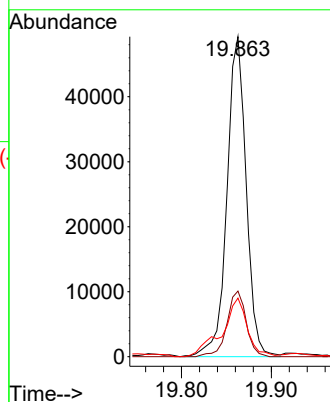
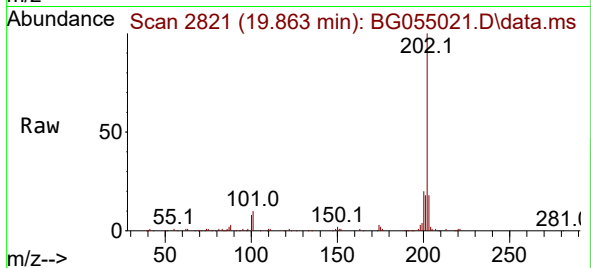
Tgt Ion:202 Resp: 73258

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

203 18.3 14.6 21.8



#79

Terphenyl-d14

Concen: 73.028 ng

RT: 20.051 min Scan# 2853

Delta R.T. -0.002 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

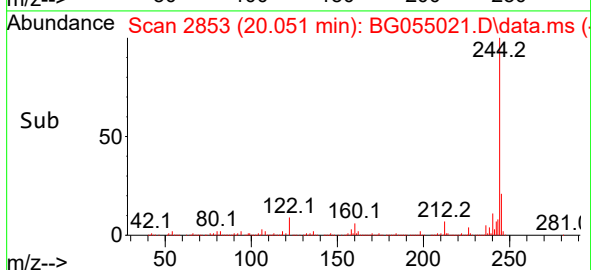
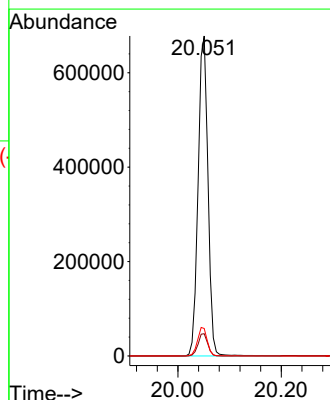
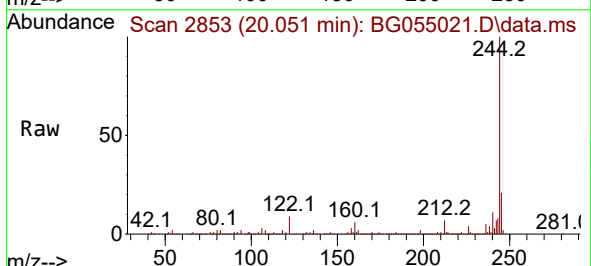
Tgt Ion:244 Resp: 895853

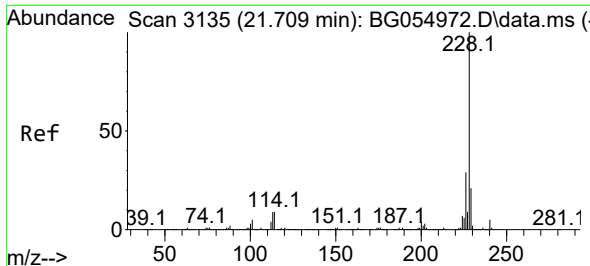
Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

122 8.6 9.0 13.6#

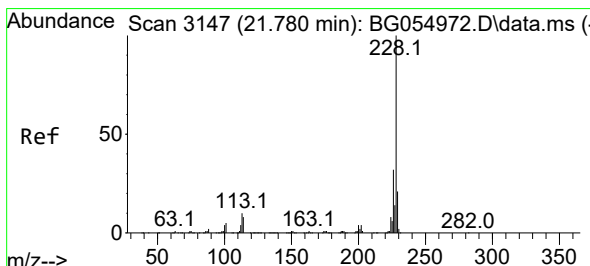
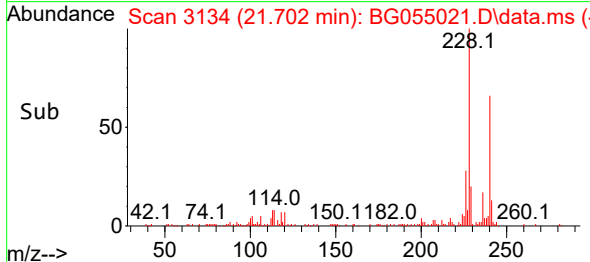
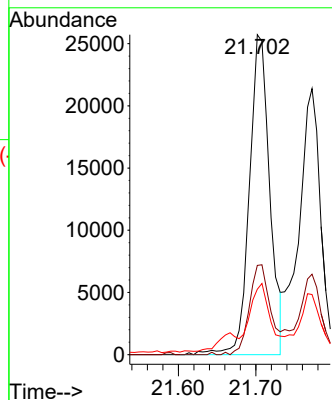
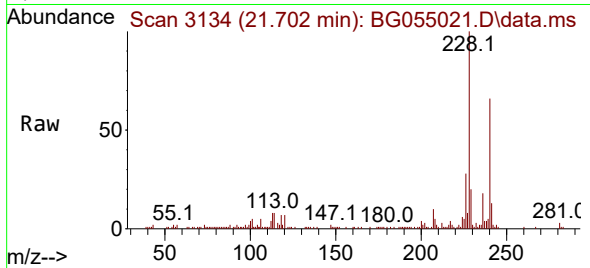




#81
Benzo(a)anthracene
Concen: 2.842 ng
RT: 21.702 min Scan# 3134
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

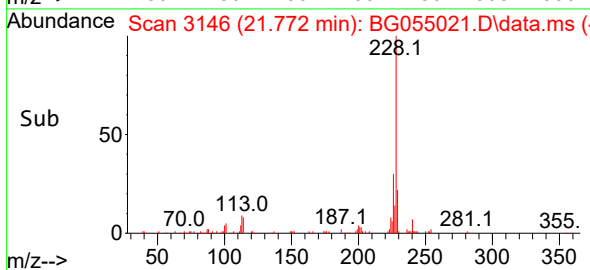
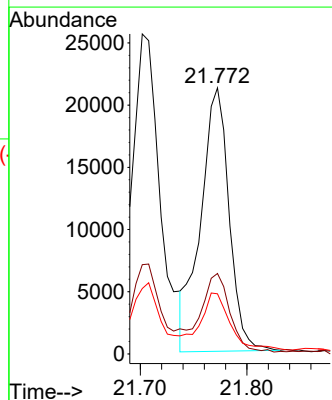
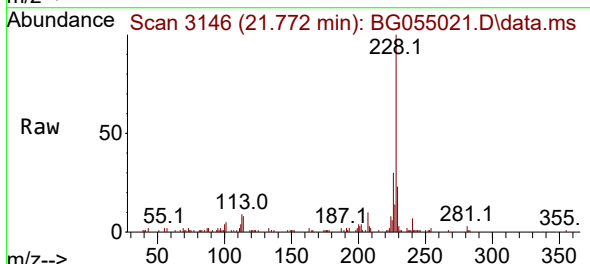
Instrument :
BNA_G
ClientSampleId :
PE-4

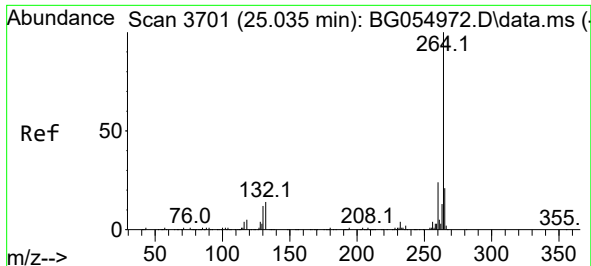
Tgt Ion:228 Resp: 46896
Ion Ratio Lower Upper
228 100
226 27.9 23.4 35.2
229 20.5 16.5 24.7



#83
Chrysene
Concen: 2.498 ng
RT: 21.772 min Scan# 3146
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:228 Resp: 39462
Ion Ratio Lower Upper
228 100
226 30.3 25.5 38.3
229 22.6 16.8 25.2

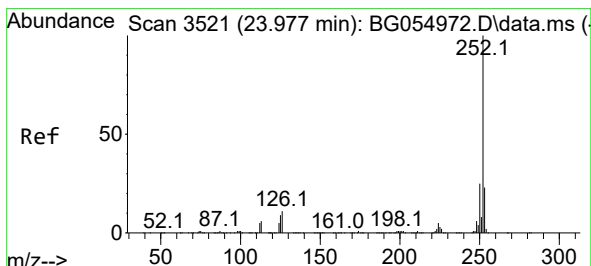
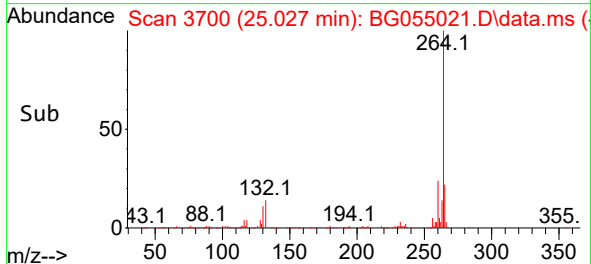
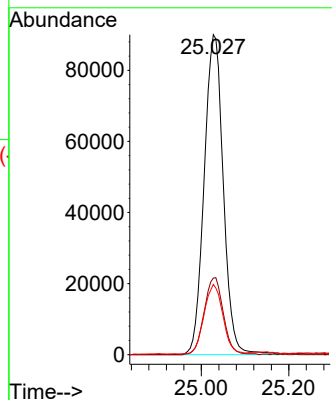
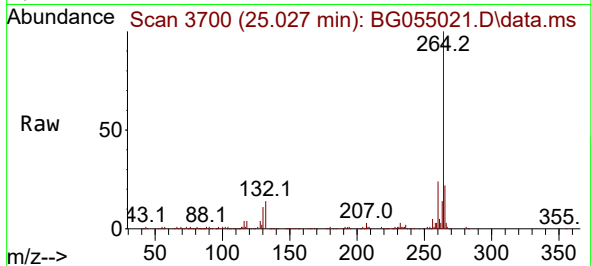




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.027 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

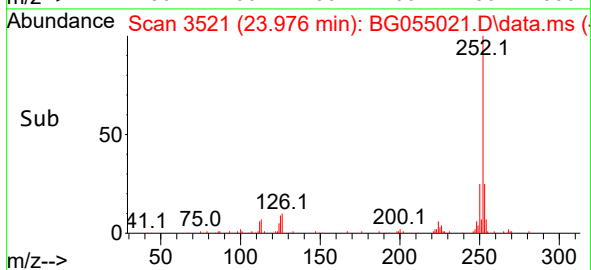
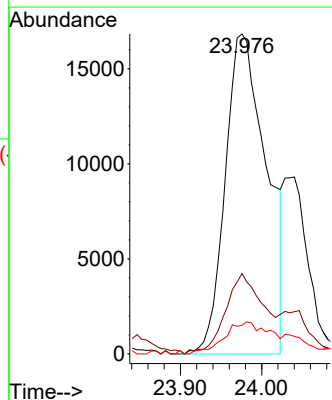
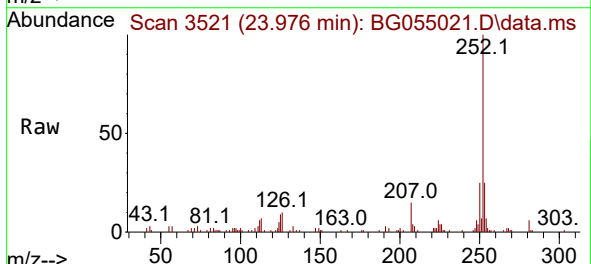
Instrument :
BNA_G
ClientSampleId :
PE-4

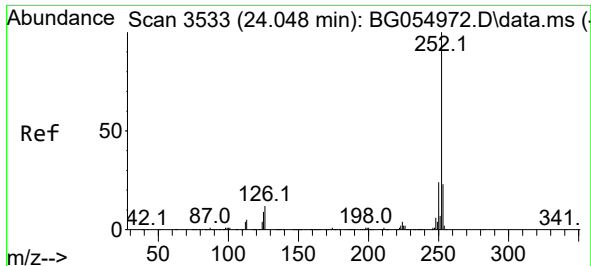
Tgt Ion:264 Resp: 274197
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 22.0 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 23.976 min Scan# 3521
Delta R.T. -0.002 min
Lab File: BG055021.D
Acq: 23 Sep 2022 20:54

Tgt Ion:252 Resp: 59083
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 8.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 3.619 ng

RT: 23.976 min Scan# 3

Delta R.T. -0.072 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Instrument :

BNA_G

ClientSampleId :

PE-4

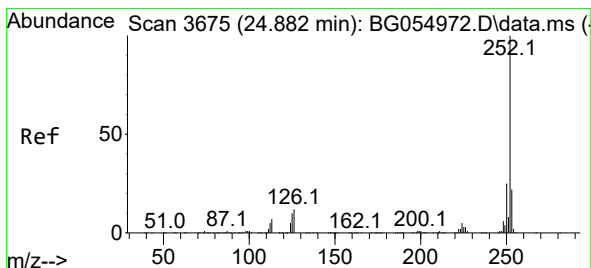
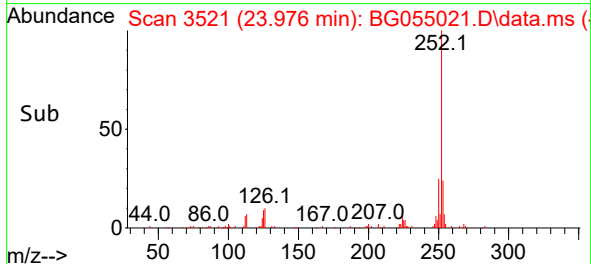
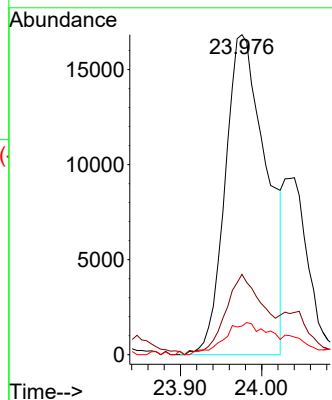
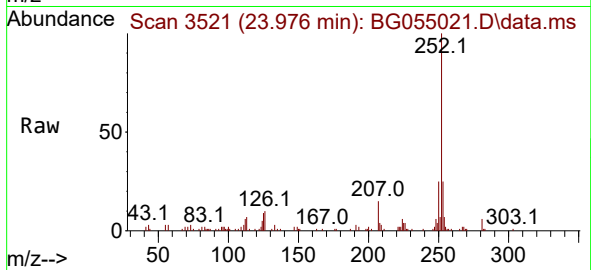
Tgt Ion:252 Resp: 59083

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.8

125 8.9 8.2 12.4



#90

Benzo(a)pyrene

Concen: 3.004 ng

RT: 24.875 min Scan# 3674

Delta R.T. -0.008 min

Lab File: BG055021.D

Acq: 23 Sep 2022 20:54

Tgt Ion:252 Resp: 41838

Ion Ratio Lower Upper

252 100

253 25.4 18.3 27.5

125 10.5 8.8 13.2

