

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092322\
 Data File : BG055020.D
 Acq On : 23 Sep 2022 20:13
 Operator : CG/JU
 Sample : N4751-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-3

Quant Time: Sep 24 02:29:12 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

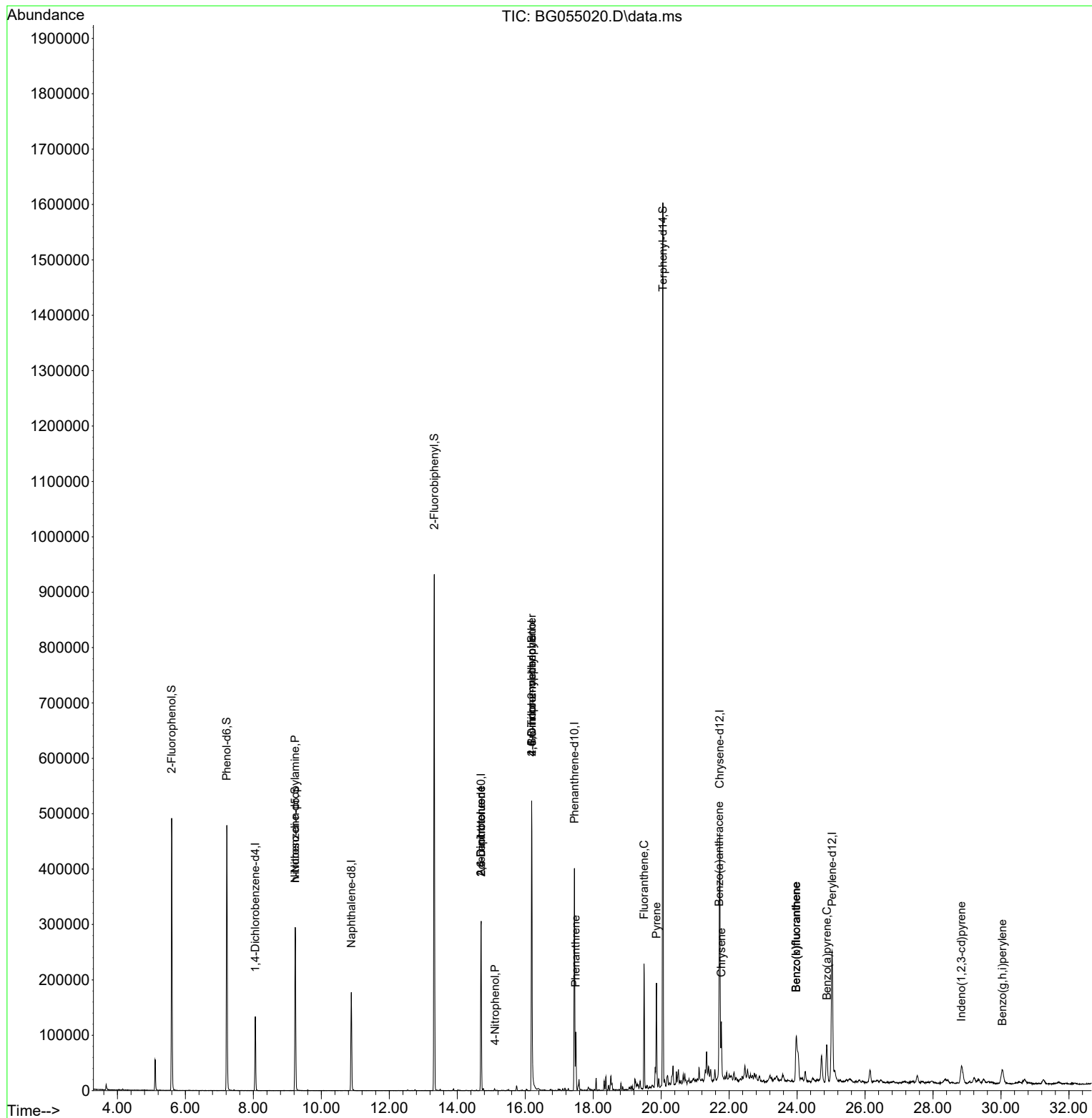
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	42682	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	168622	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	117237	20.000	ng	0.00
64) Phenanthrene-d10	17.447	188	261404	20.000	ng	# 0.00
76) Chrysene-d12	21.724	240	260279	20.000	ng	0.00
86) Perylene-d12	25.032	264	277822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.596	112	247872	113.633	ng	0.00
7) Phenol-d6	7.218	99	327310	111.946	ng	0.00
23) Nitrobenzene-d5	9.233	82	190892	65.617	ng	0.00
42) 2,4,6-Tribromophenol	16.189	330	138517	100.855	ng	0.00
45) 2-Fluorobiphenyl	13.322	172	509864	68.539	ng	0.00
79) Terphenyl-d14	20.050	244	849078	68.239	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.233	70	23239	11.548	ng	# 75
51) 2,6-Dinitrotoluene	14.703	165	15225	8.066	ng	# 20
56) 4-Nitrophenol	15.108	139	969	4.871	ng	# 6
57) 2,4-Dinitrotoluene	14.703	165	15225	5.671	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.189	198	213	5.133	ng	# 1
67) 4-Bromophenyl-phenylether	16.189	248	8437	2.927	ng	# 1
71) Phenanthrene	17.488	178	72160	5.420	ng	97
75) Fluoranthene	19.497	202	146667	8.698	ng	97
78) Pyrene	19.862	202	124671	7.286	ng	97
81) Benzo(a)anthracene	21.707	228	83845	5.009	ng	98
83) Chrysene	21.771	228	73515	4.588	ng	98
87) Indeno(1,2,3-cd)pyrene	28.839	276	57468	2.782	ng	# 94
88) Benzo(b)fluoranthene	23.974	252	113368	6.918	ng	97
89) Benzo(k)fluoranthene	23.974	252	113368	6.853	ng	97
90) Benzo(a)pyrene	24.873	252	77233	5.474	ng	# 96
92) Benzo(g,h,i)perylene	30.038	276	56922	3.321	ng	96

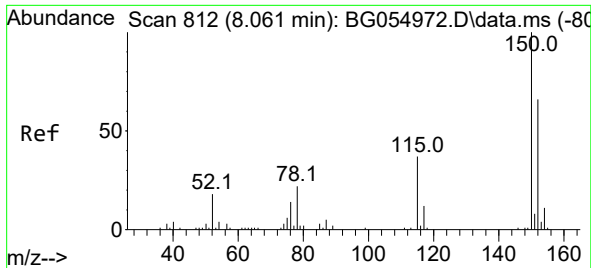
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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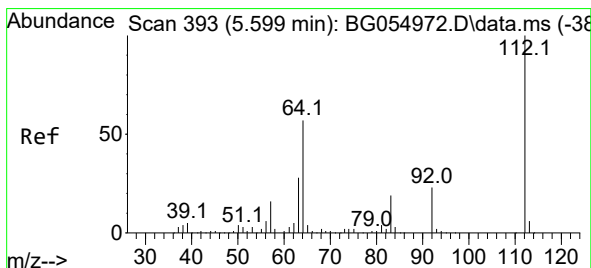
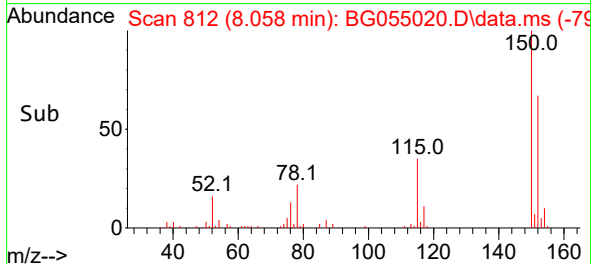
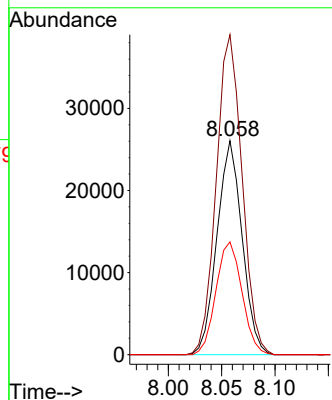
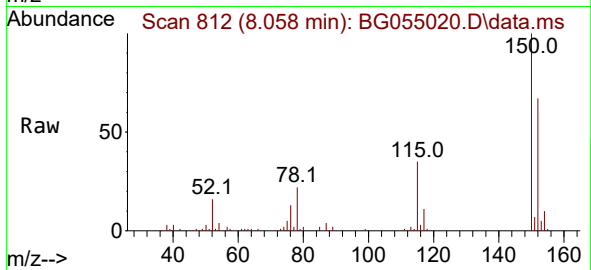




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

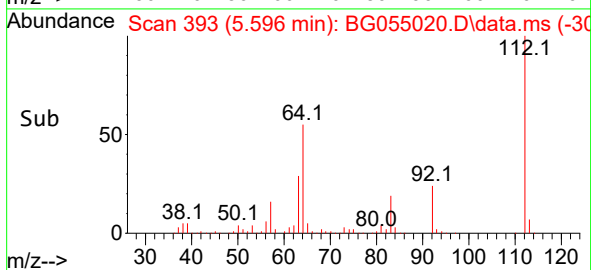
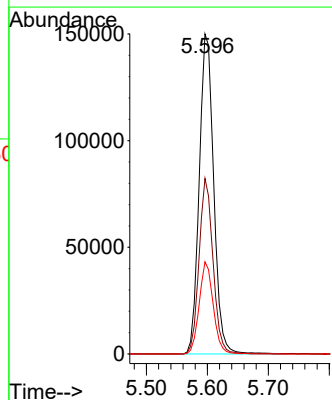
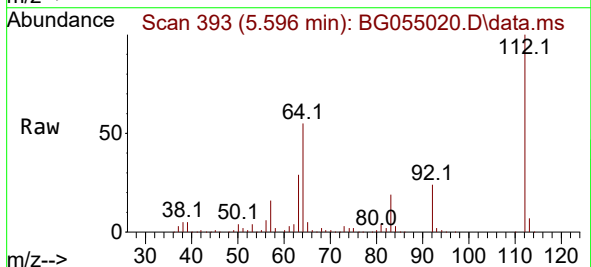
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ClientSampleId :
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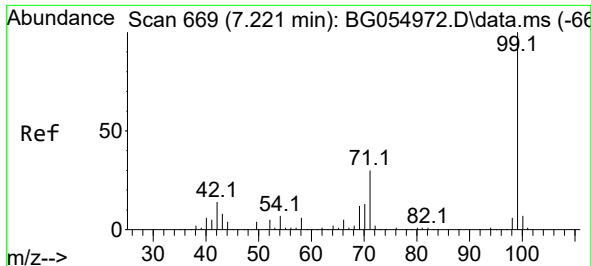
Tgt Ion:152 Resp: 42682
Ion Ratio Lower Upper
152 100
150 149.5 125.2 187.8
115 52.7 47.9 71.9



#5
2-Fluorophenol
Concen: 113.633 ng
RT: 5.596 min Scan# 393
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:112 Resp: 247872
Ion Ratio Lower Upper
112 100
64 54.8 49.3 73.9
63 28.8 26.3 39.5

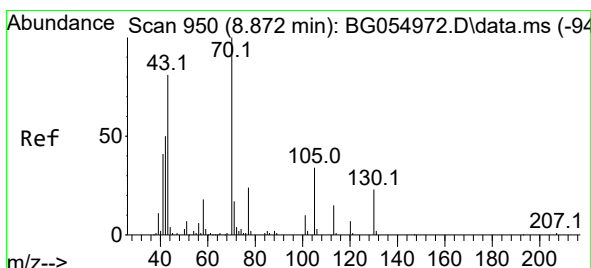
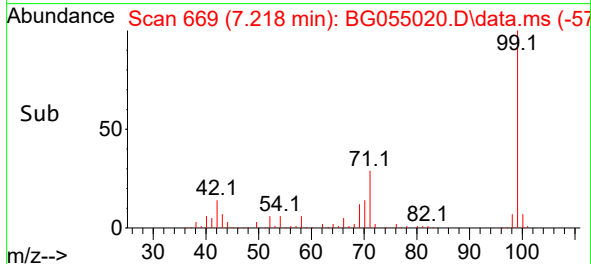
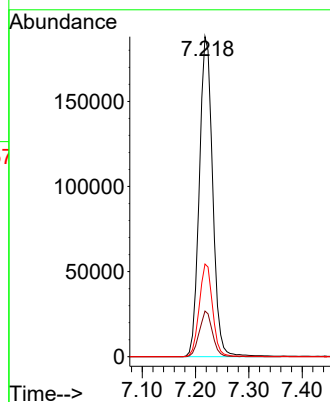
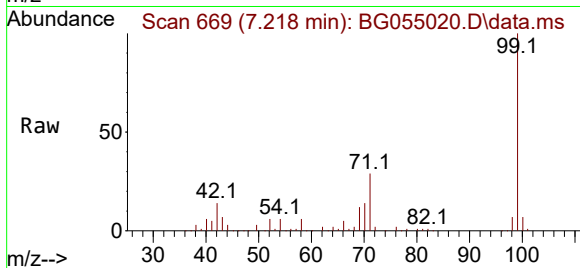




#7
Phenol-d6
Concen: 111.946 ng
RT: 7.218 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

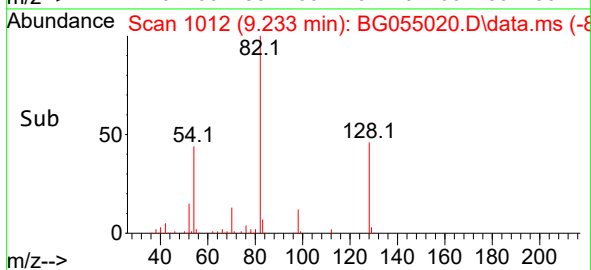
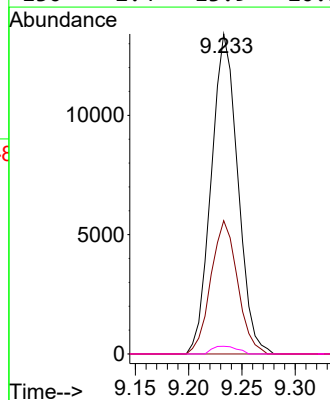
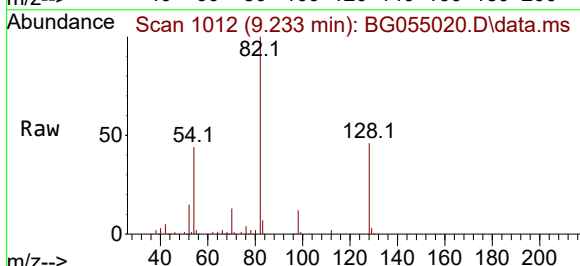
Instrument :
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ClientSampleId :
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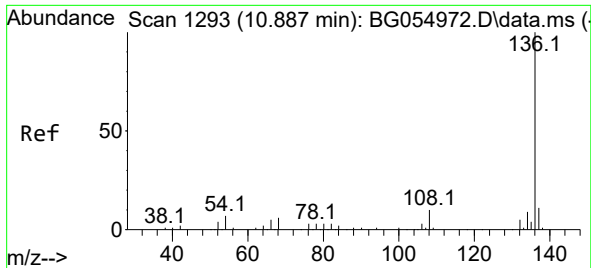
Tgt Ion: 99 Resp: 327310
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0#
71 29.0 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.548 ng
RT: 9.233 min Scan# 1012
Delta R.T. 0.361 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion: 70 Resp: 23239
Ion Ratio Lower Upper
70 100
42 41.7 46.6 69.8#
101 0.0 7.7 11.5#
130 2.4 13.9 20.9#

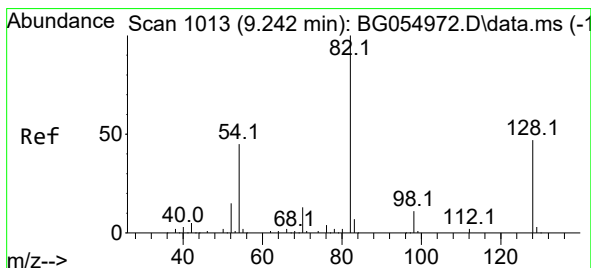
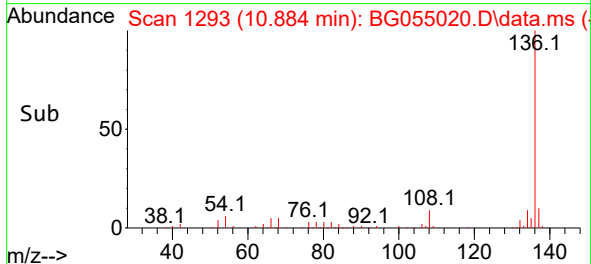
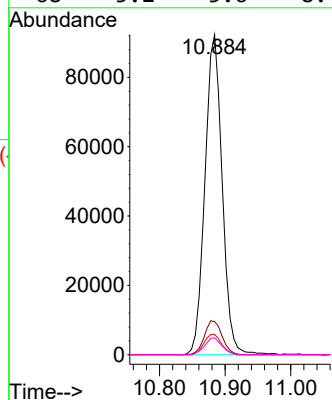
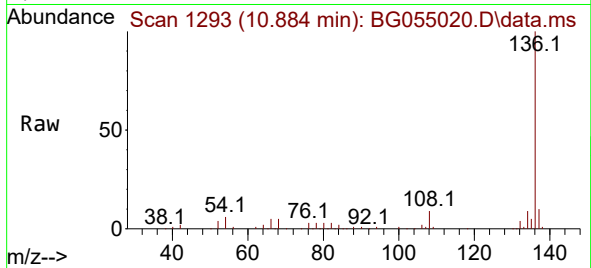




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1012
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

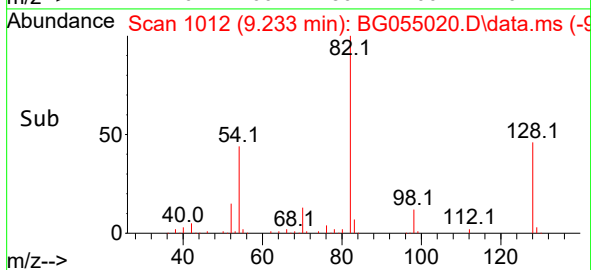
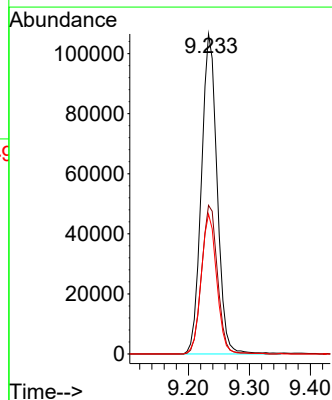
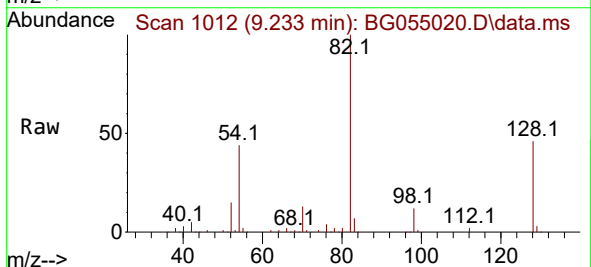
Instrument :
BNA_G
ClientSampleId :
PE-3

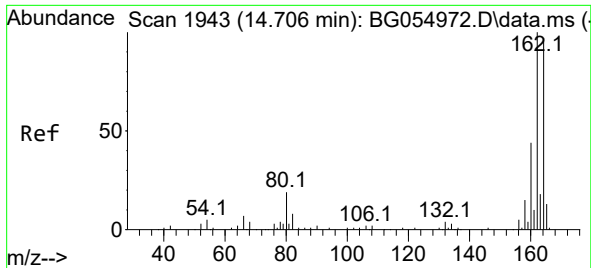
Tgt Ion:	136	Resp:	168622
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.2	13.8
54	6.4	7.7	11.5#
68	5.2	5.6	8.4#



#23
Nitrobenzene-d5
Concen: 65.617 ng
RT: 9.233 min Scan# 1012
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:	82	Resp:	190892
Ion Ratio	Lower	Upper	
82	100		
128	46.4	32.2	48.2
54	43.7	41.4	62.0

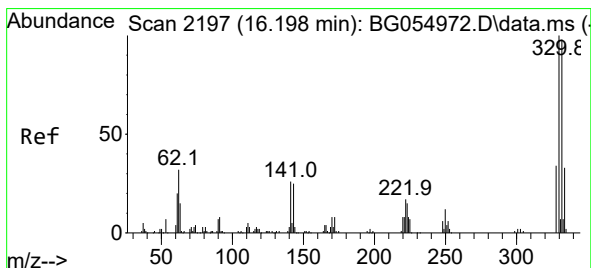
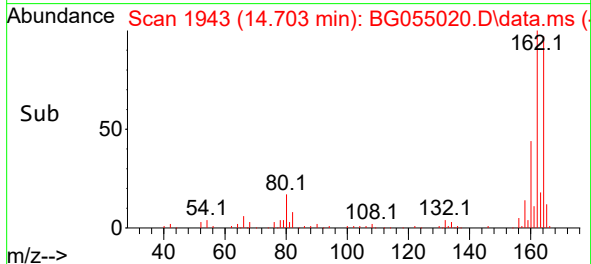
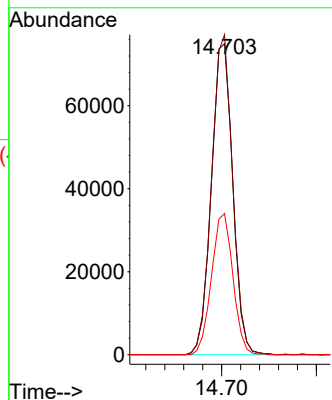
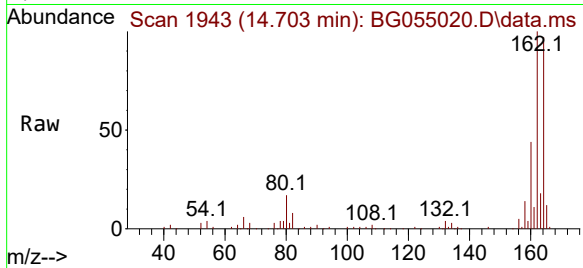




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1943
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

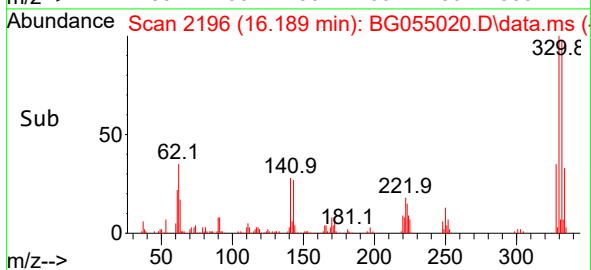
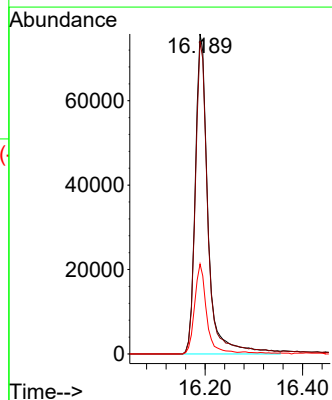
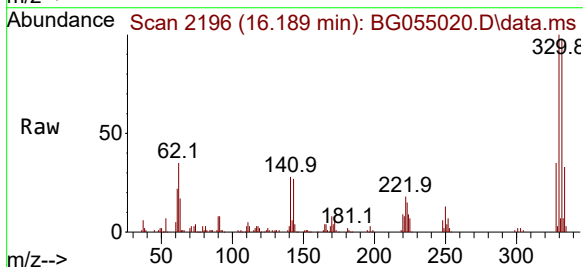
Instrument :
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ClientSampleId :
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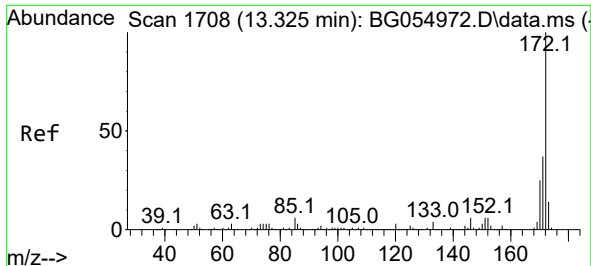
Tgt Ion:164 Resp: 117237
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.4
160 45.4 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 100.855 ng
RT: 16.189 min Scan# 2196
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:330 Resp: 138517
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 26.3 26.8 40.2#

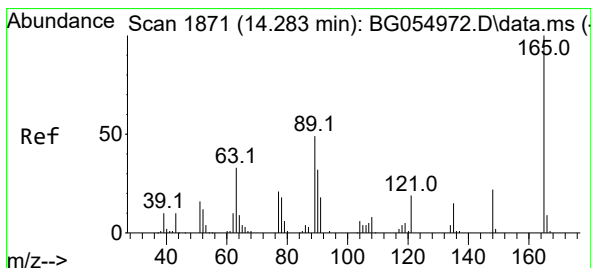
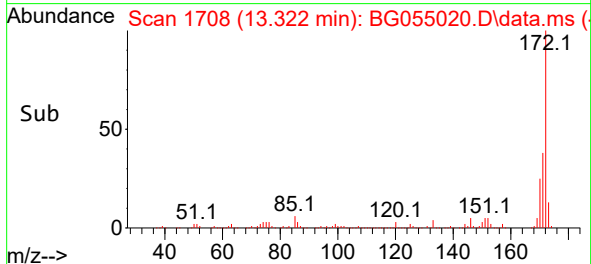
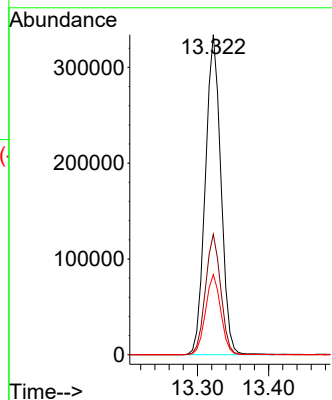
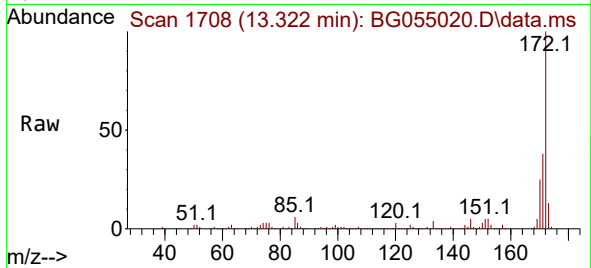




#45
2-Fluorobiphenyl
Concen: 68.539 ng
RT: 13.322 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

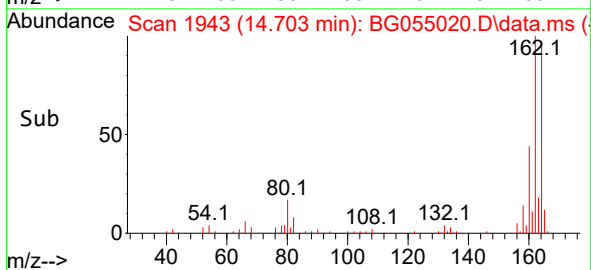
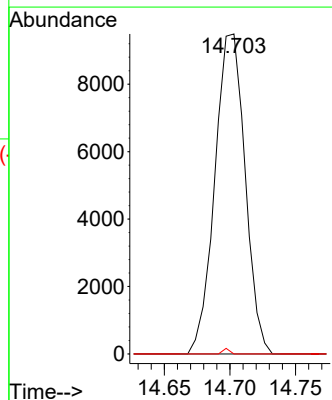
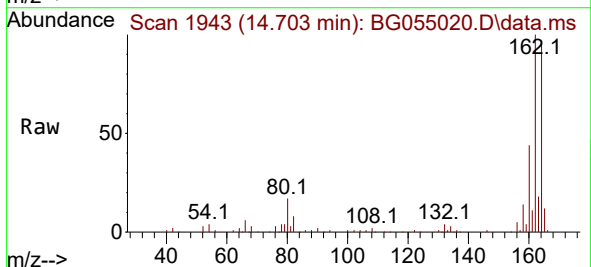
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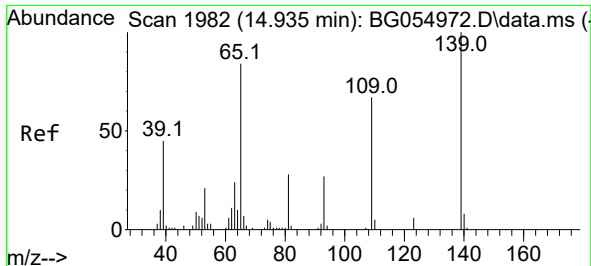
Tgt Ion:172 Resp: 509864
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 25.0 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.066 ng
RT: 14.703 min Scan# 1943
Delta R.T. 0.420 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:165 Resp: 15225
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

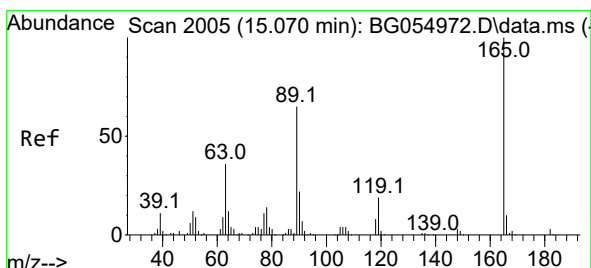
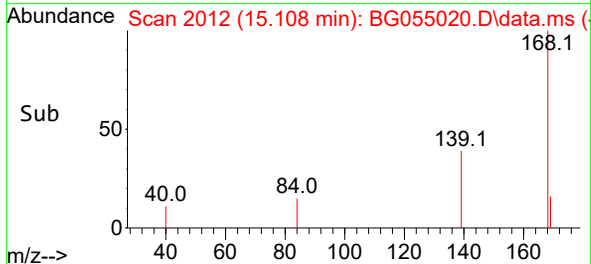
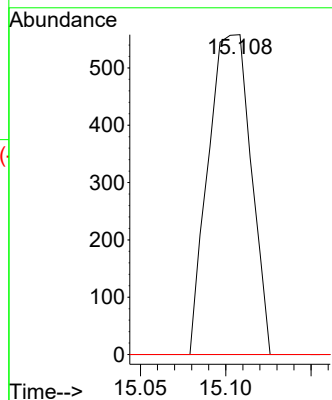
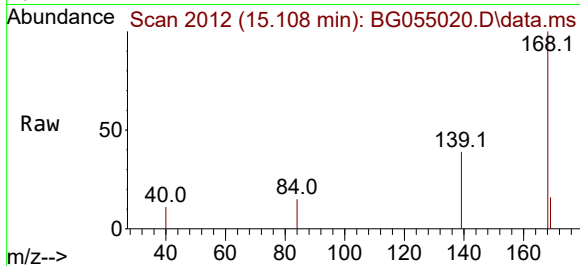




#56
4-Nitrophenol
Concen: 4.871 ng
RT: 15.108 min Scan# 20
Delta R.T. 0.173 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

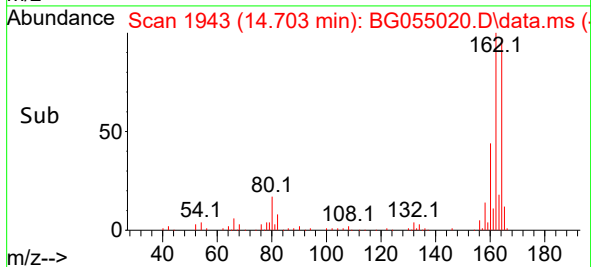
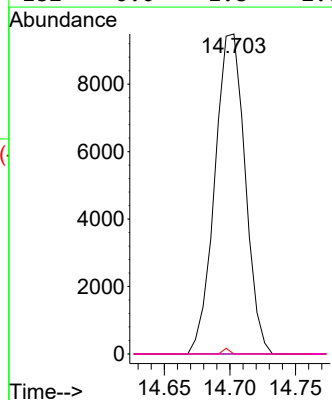
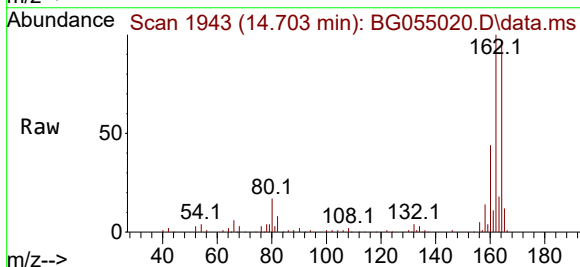
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ClientSampleId :
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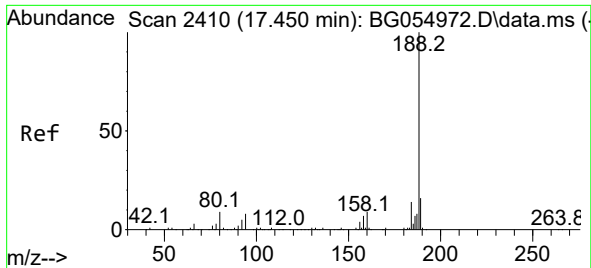
Tgt Ion:139 Resp: 969
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 79.9 119.9#



#57
2,4-Dinitrotoluene
Concen: 5.671 ng
RT: 14.703 min Scan# 1943
Delta R.T. -0.367 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:165 Resp: 15225
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#

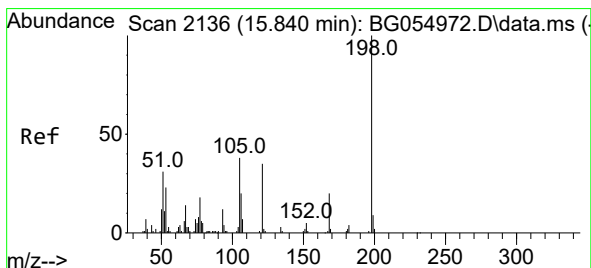
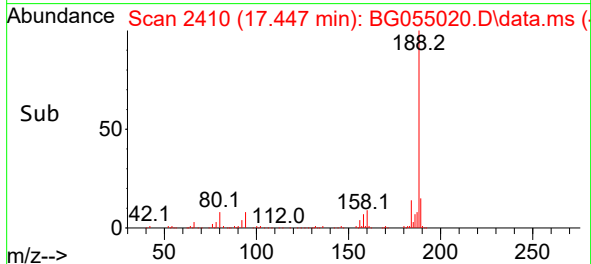
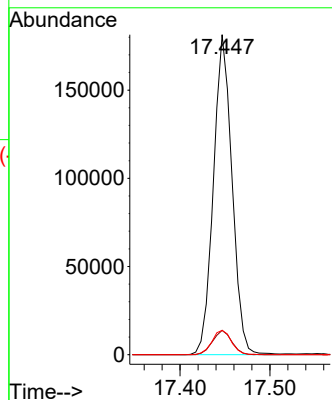
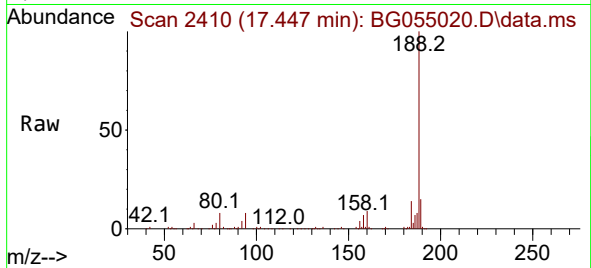




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.447 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

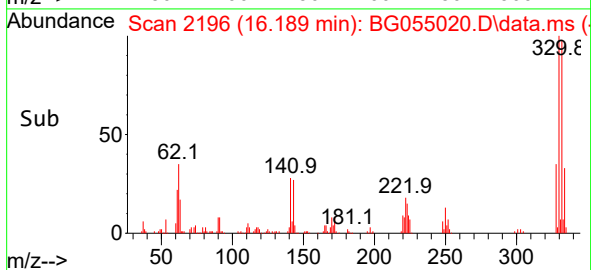
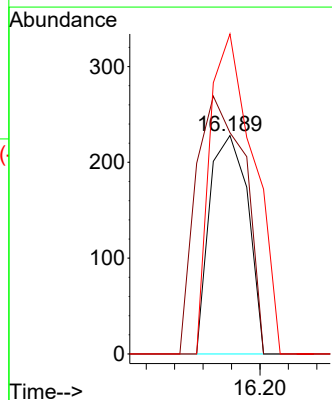
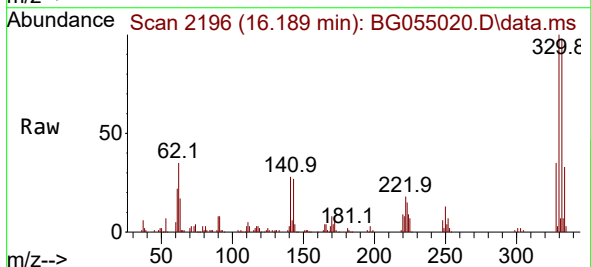
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ClientSampleId :
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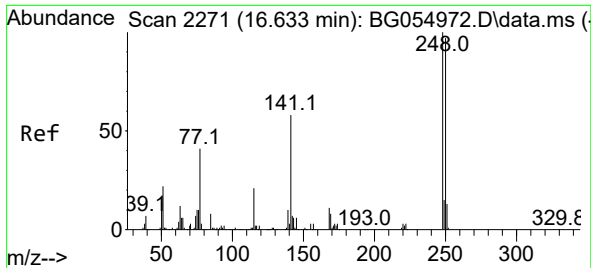
Tgt Ion:188 Resp: 261404
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.4
80 7.6 7.9 11.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.133 ng
RT: 16.189 min Scan# 2196
Delta R.T. 0.349 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:198 Resp: 213
Ion Ratio Lower Upper
198 100
51 101.3 19.9 59.9#
105 146.5 20.3 60.3#

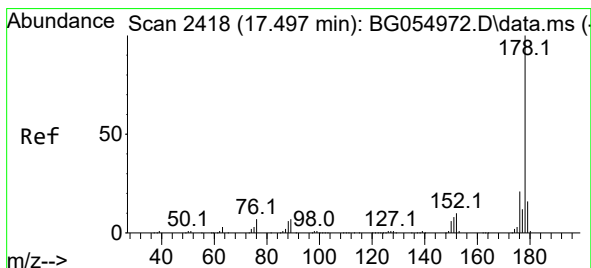
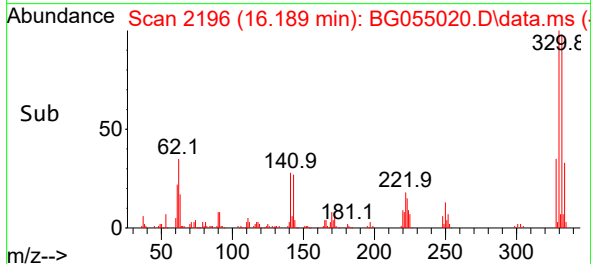
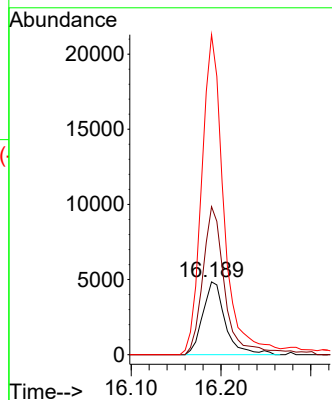
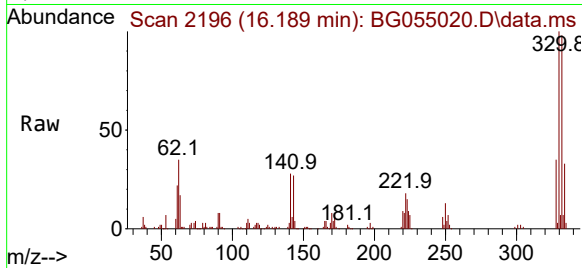




#67
4-Bromophenyl-phenylether
Concen: 2.927 ng
RT: 16.189 min Scan# 2196
Delta R.T. -0.444 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

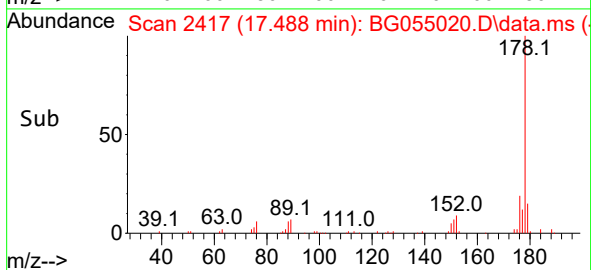
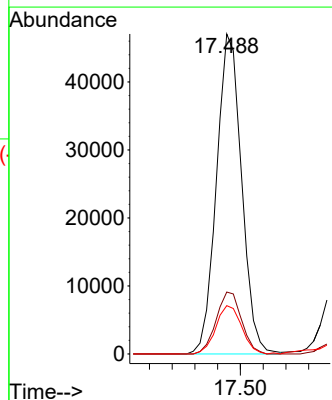
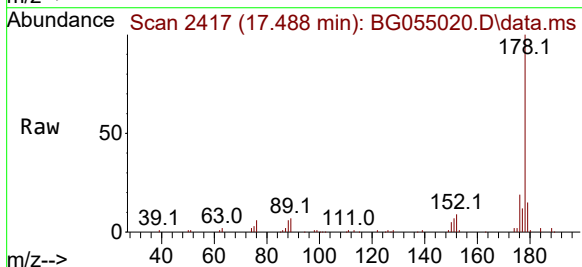
Instrument :
BNA_G
ClientSampleId :
PE-3

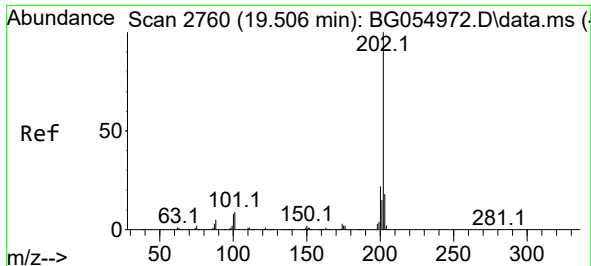
Tgt Ion:248 Resp: 8437
Ion Ratio Lower Upper
248 100
250 203.6 78.8 118.2#
141 440.0 51.9 77.9#



#71
Phenanthrene
Concen: 5.420 ng
RT: 17.488 min Scan# 2417
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:178 Resp: 72160
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.1 12.8 19.2

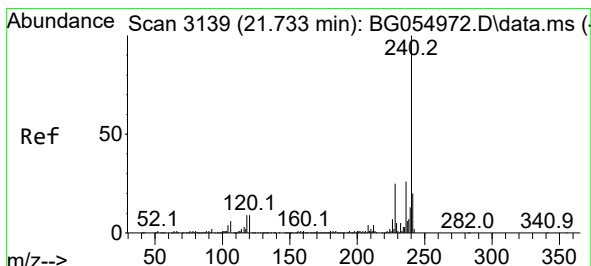
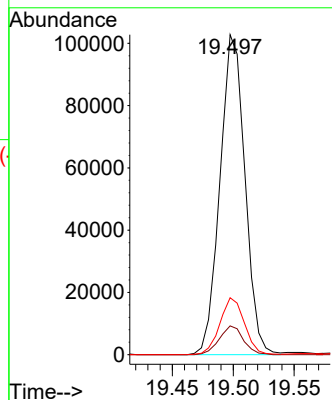
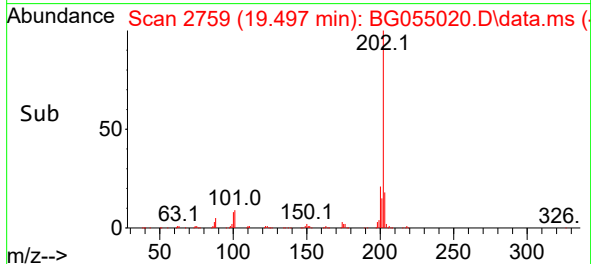
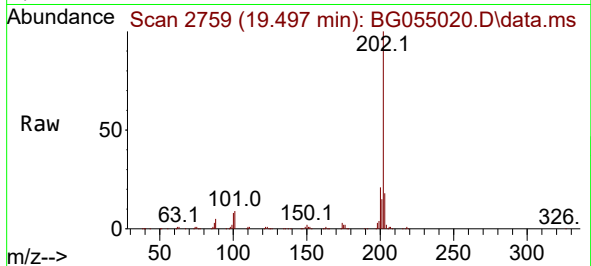




#75
Fluoranthene
Concen: 8.698 ng
RT: 19.497 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

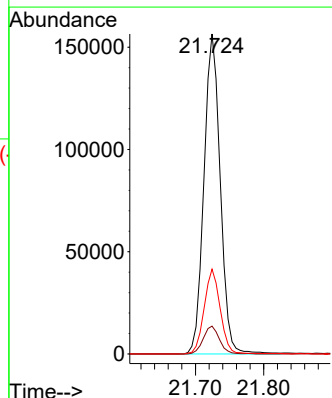
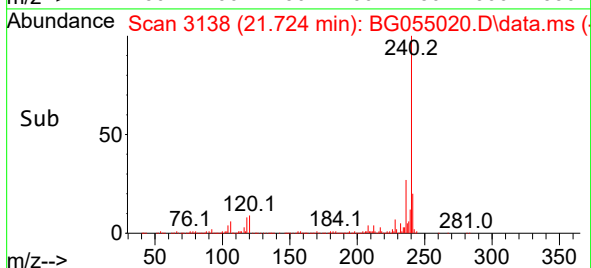
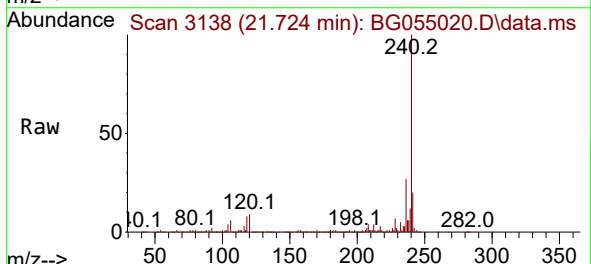
Instrument :
BNA_G
ClientSampleId :
PE-3

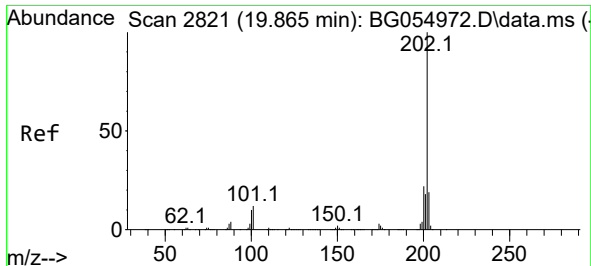
Tgt Ion:202 Resp: 146667
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.4
203 17.8 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3138
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:240 Resp: 260279
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.4
236 26.5 21.2 31.8

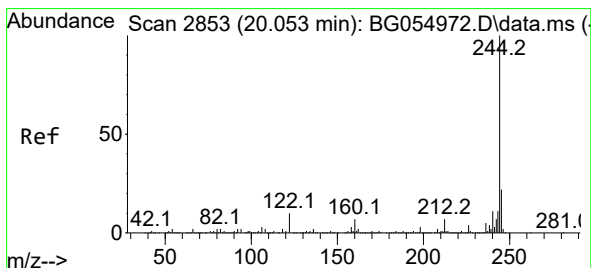
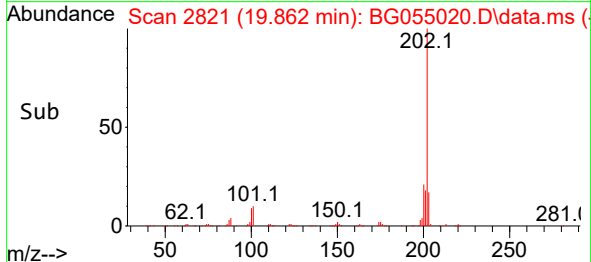
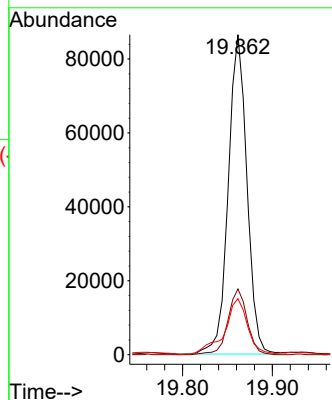
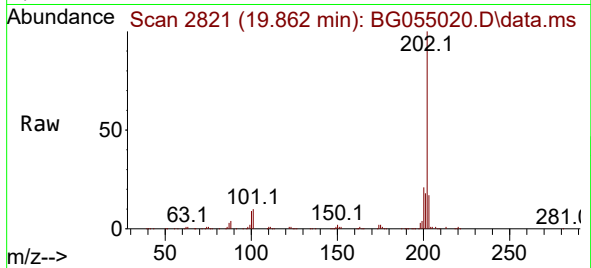




#78
 Pyrene
 Concen: 7.286 ng
 RT: 19.862 min Scan# 2821
 Delta R.T. -0.003 min
 Lab File: BG055020.D
 Acq: 23 Sep 2022 20:13

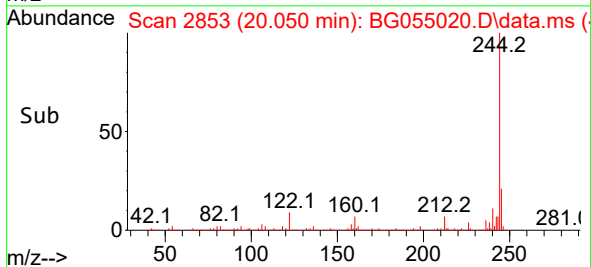
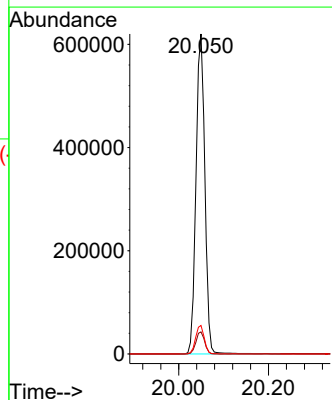
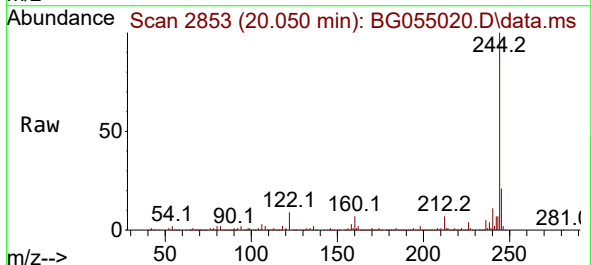
Instrument :
 BNA_G
 ClientSampleId :
 PE-3

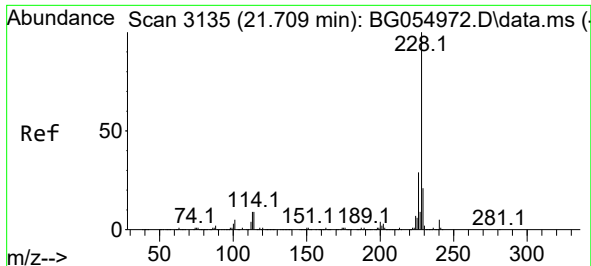
Tgt Ion:202 Resp: 124671
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.6
 203 17.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 68.239 ng
 RT: 20.050 min Scan# 2853
 Delta R.T. -0.003 min
 Lab File: BG055020.D
 Acq: 23 Sep 2022 20:13

Tgt Ion:244 Resp: 849078
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.9 9.0 13.6#

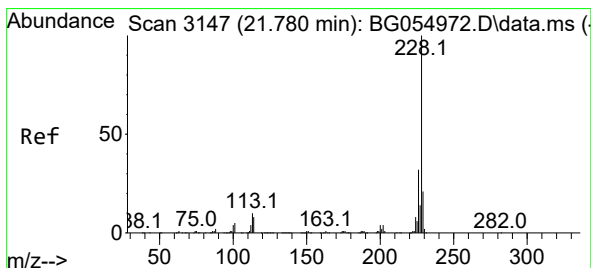
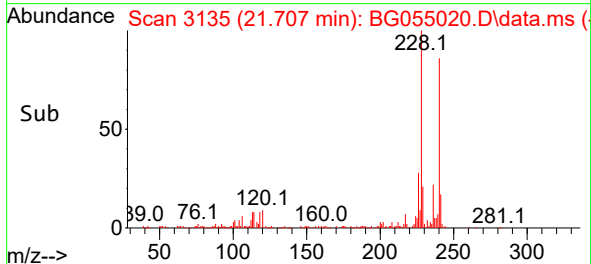
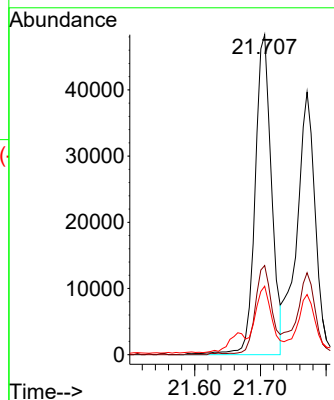
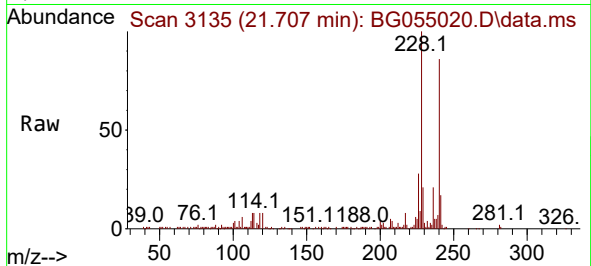




#81
Benzo(a)anthracene
Concen: 5.009 ng
RT: 21.707 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

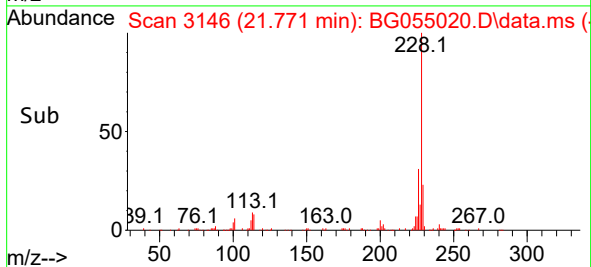
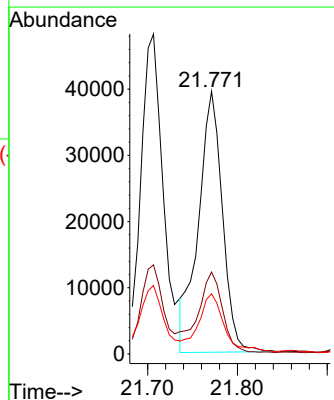
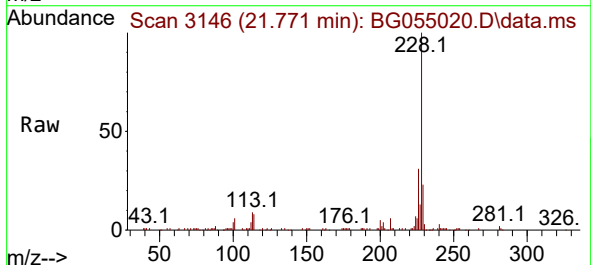
Instrument :
BNA_G
ClientSampleId :
PE-3

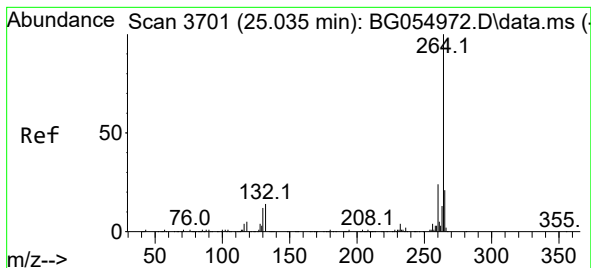
Tgt Ion:228 Resp: 83845
Ion Ratio Lower Upper
228 100
226 27.8 23.4 35.2
229 21.4 16.5 24.7



#83
Chrysene
Concen: 4.588 ng
RT: 21.771 min Scan# 3146
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:228 Resp: 73515
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 22.9 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.032 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055020.D

Acq: 23 Sep 2022 20:13

Instrument :

BNA_G

ClientSampleId :

PE-3

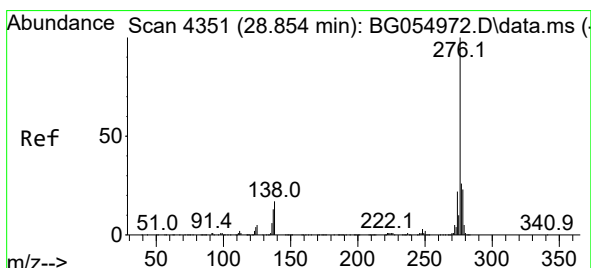
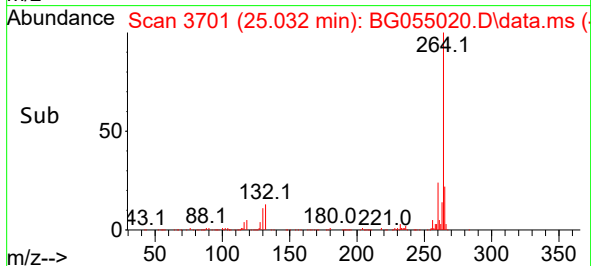
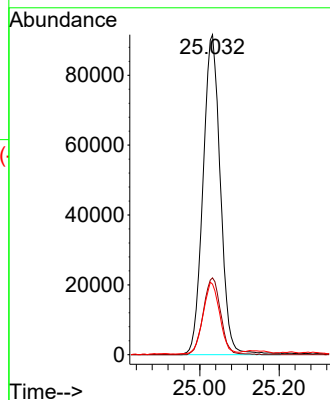
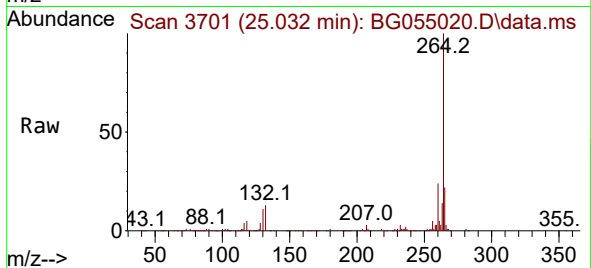
Tgt Ion:264 Resp: 277822

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 22.0 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.782 ng

RT: 28.839 min Scan# 4349

Delta R.T. -0.015 min

Lab File: BG055020.D

Acq: 23 Sep 2022 20:13

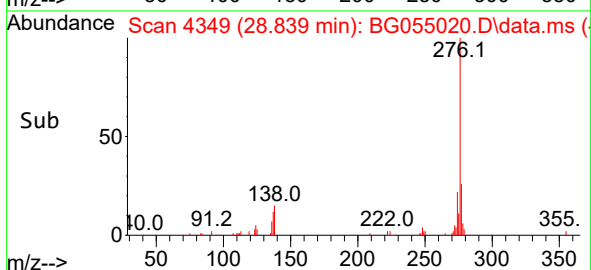
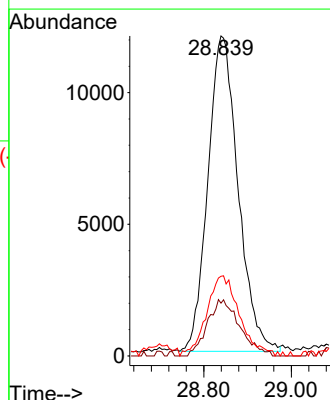
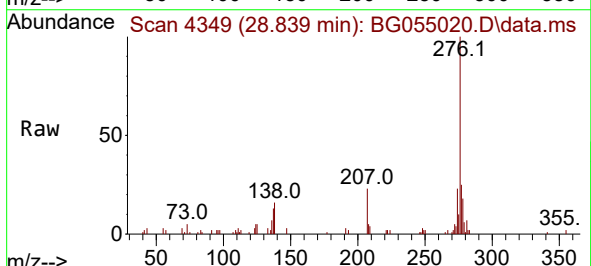
Tgt Ion:276 Resp: 57468

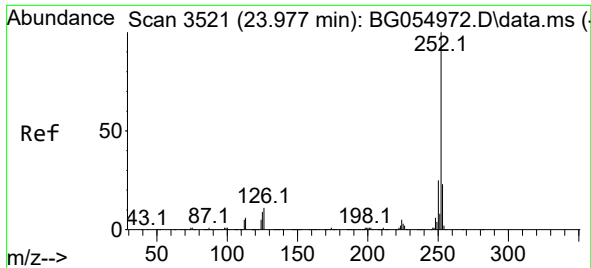
Ion Ratio Lower Upper

276 100

138 19.1 12.0 18.0#

277 27.5 20.2 30.4

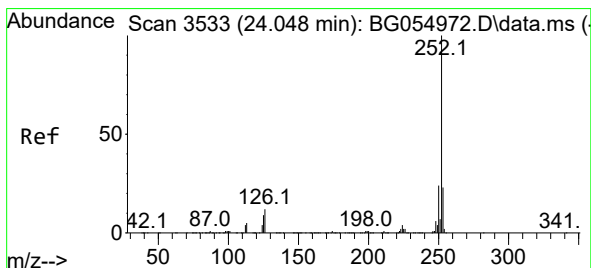
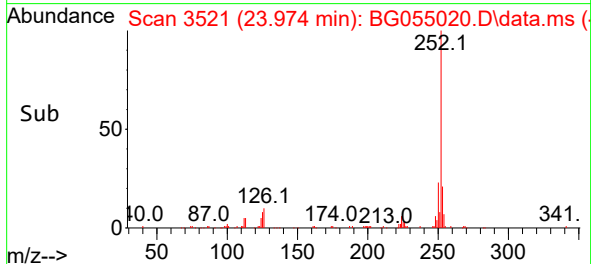
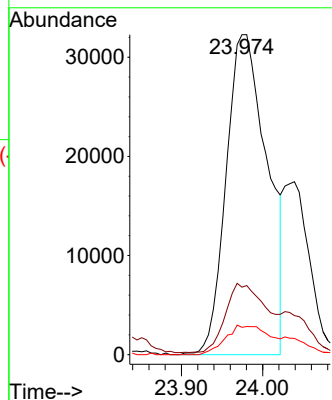
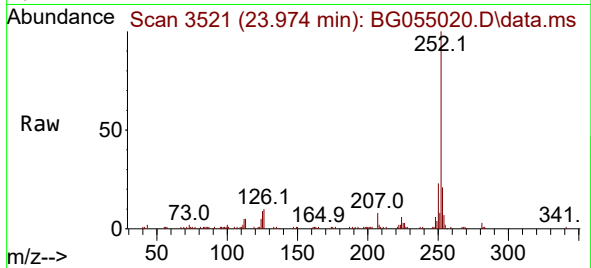




#88
Benzo(b)fluoranthene
Concen: 6.918 ng
RT: 23.974 min Scan# 3521
Delta R.T. -0.003 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

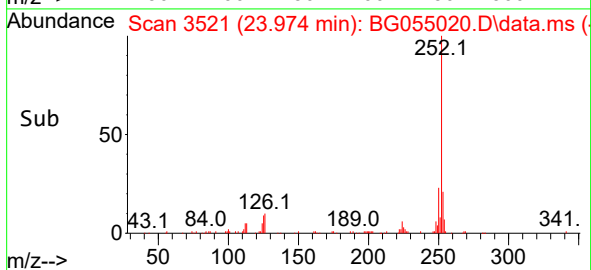
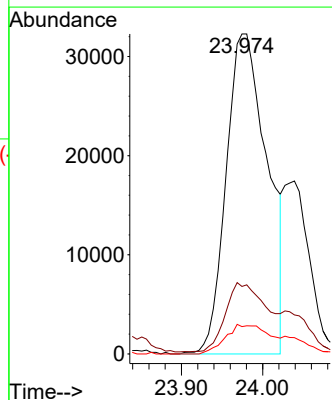
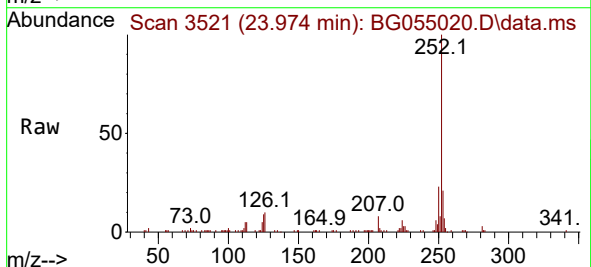
Instrument :
BNA_G
ClientSampleId :
PE-3

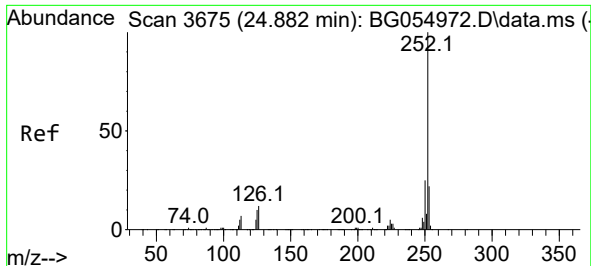
Tgt Ion:252 Resp: 113368
Ion Ratio Lower Upper
252 100
253 21.1 18.0 27.0
125 8.5 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 6.853 ng
RT: 23.974 min Scan# 3521
Delta R.T. -0.073 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:252 Resp: 113368
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 8.5 8.2 12.4

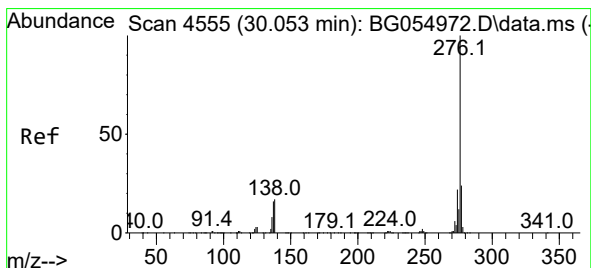
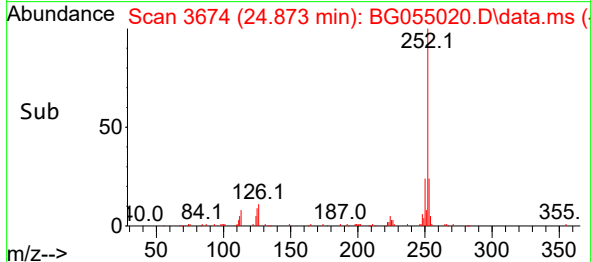
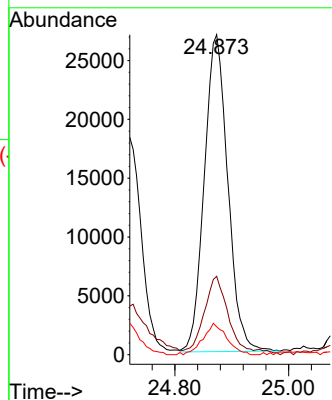
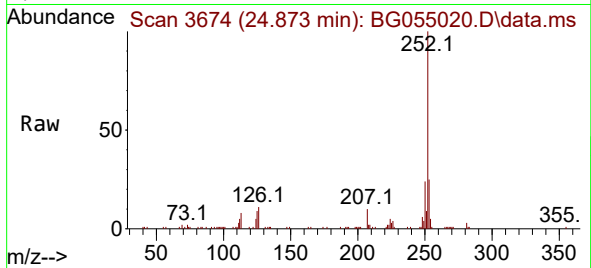




#90
Benzo(a)pyrene
Concen: 5.474 ng
RT: 24.873 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Instrument :
BNA_G
ClientSampleId :
PE-3

Tgt Ion:252 Resp: 77233
Ion Ratio Lower Upper
252 100
253 24.5 18.3 27.5
125 8.7 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 3.321 ng
RT: 30.038 min Scan# 4553
Delta R.T. -0.015 min
Lab File: BG055020.D
Acq: 23 Sep 2022 20:13

Tgt Ion:276 Resp: 56922
Ion Ratio Lower Upper
276 100
277 22.9 19.4 29.0
138 18.3 16.6 25.0

