

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053044.D
 Acq On : 5 Apr 2022 23:05
 Operator : CG/JU
 Sample : N2252-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-040422

Quant Time: Apr 06 04:15:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

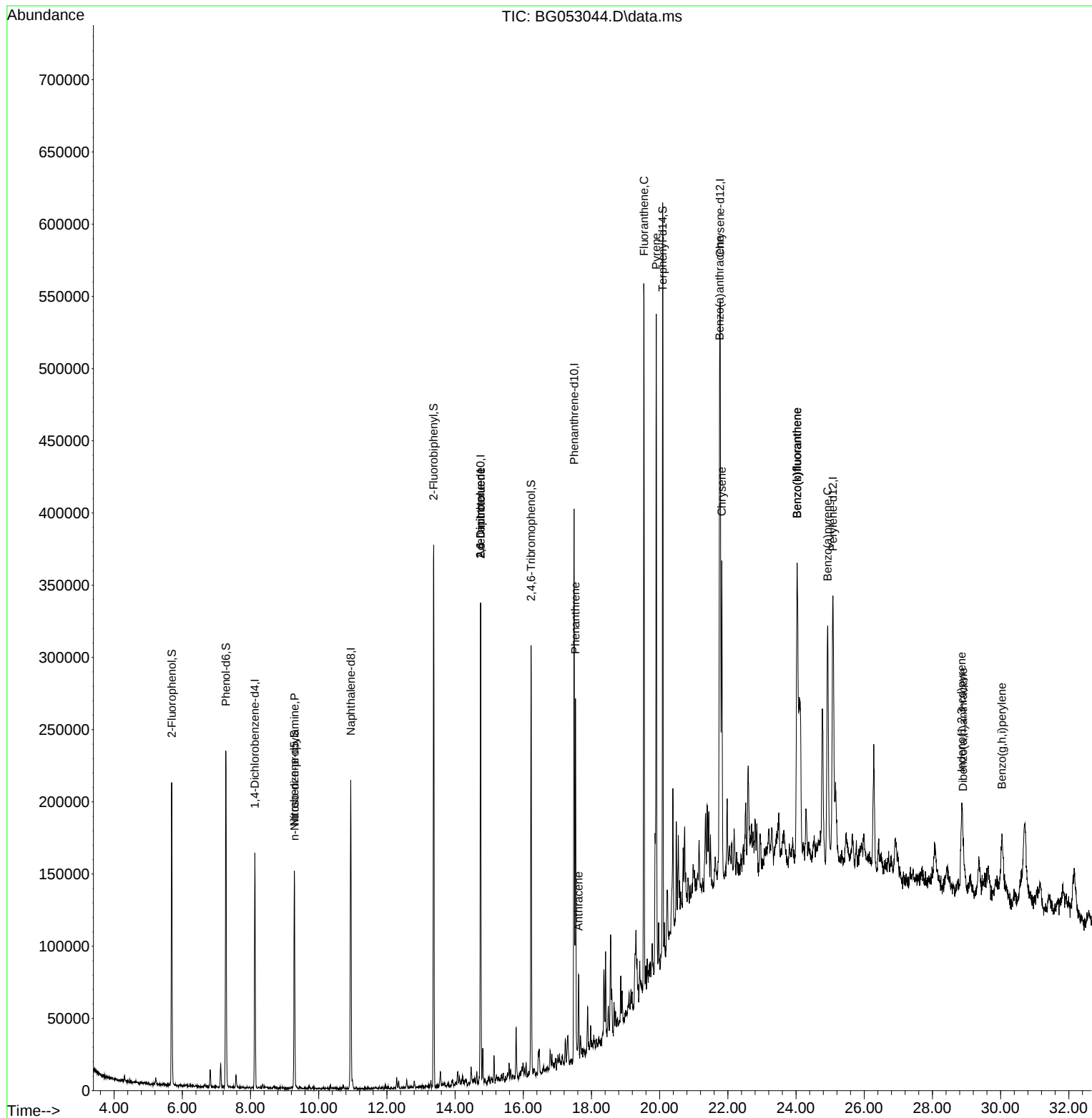
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	43175	20.000	ng	-0.02
21) Naphthalene-d8	10.942	136	175869	20.000	ng	-0.02
39) Acenaphthene-d10	14.748	164	117501	20.000	ng	-0.02
64) Phenanthrene-d10	17.492	188	238957	20.000	ng	-0.01
76) Chrysene-d12	21.774	240	214753	20.000	ng	-0.02
86) Perylene-d12	25.082	264	226233	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	87604	35.336	ng	0.00
7) Phenol-d6	7.276	99	133297	35.664	ng	-0.01
23) Nitrobenzene-d5	9.285	82	95325	27.204	ng	-0.02
42) 2,4,6-Tribromophenol	16.229	330	55786	35.332	ng	-0.02
45) 2-Fluorobiphenyl	13.374	172	198846	24.959	ng	-0.02
79) Terphenyl-d14	20.088	244	266065	22.039	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.276	77	266	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.291	70	13422	5.070 ng	#	77
51) 2,6-Dinitrotoluene	14.748	165	16149	10.953 ng	#	28
57) 2,4-Dinitrotoluene	14.748	165	16149	7.894 ng	#	27
71) Phenanthrene	17.533	178	158748	12.418 ng		97
72) Anthracene	17.621	178	42648	3.375 ng		97
75) Fluoranthene	19.542	202	327750	20.198 ng		99
78) Pyrene	19.900	202	298765	20.056 ng		99
81) Benzo(a)anthracene	21.757	228	187218	13.019 ng		98
83) Chrysene	21.821	228	171114	12.657 ng		98
87) Indeno(1,2,3-cd)pyrene	28.853	276	53511	3.456 ng	#	60
88) Benzo(b)fluoranthene	24.030	252	283081	20.152 ng		97
89) Benzo(k)fluoranthene	24.030	252	283081	20.483 ng		97
90) Benzo(a)pyrene	24.929	252	209399	17.611 ng		97
91) Dibenzo(a,h)anthracene	28.900	278	31341	2.456 ng	#	89
92) Benzo(g,h,i)perylene	30.040	276	116249	9.208 ng		94

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

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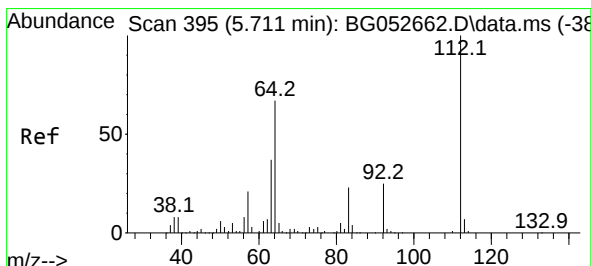
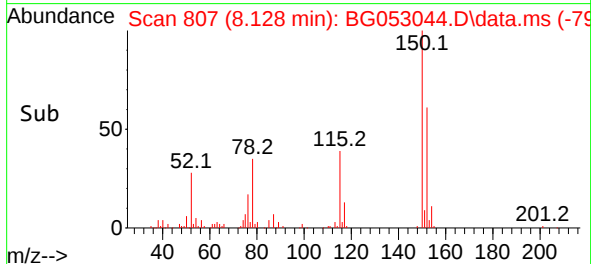
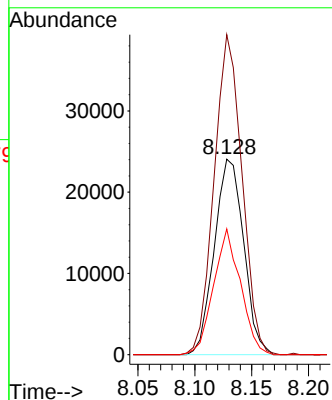
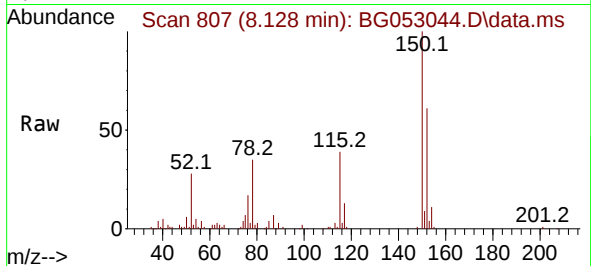




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 80
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

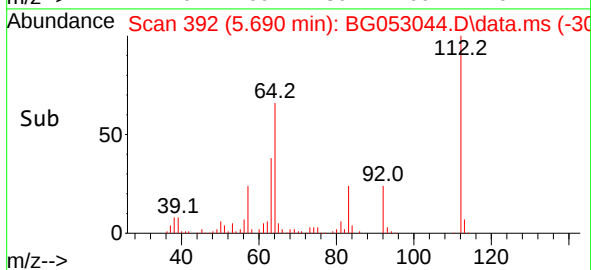
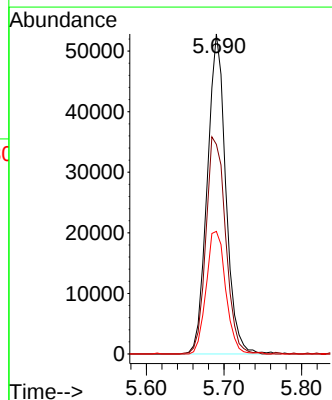
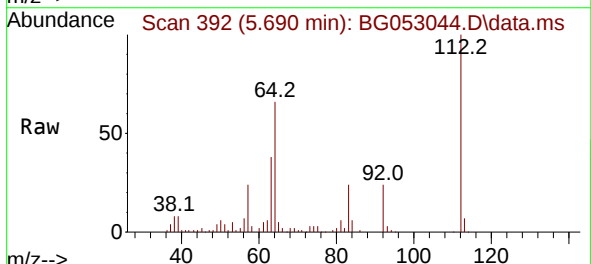
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

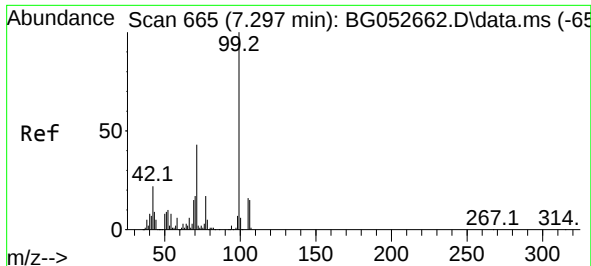
Tgt Ion:152 Resp: 43175
Ion Ratio Lower Upper
152 100
150 163.7 114.6 172.0
115 64.3 45.9 68.9



#5
2-Fluorophenol
Concen: 35.336 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:112 Resp: 87604
Ion Ratio Lower Upper
112 100
64 65.5 48.0 72.0
63 38.3 26.5 39.7

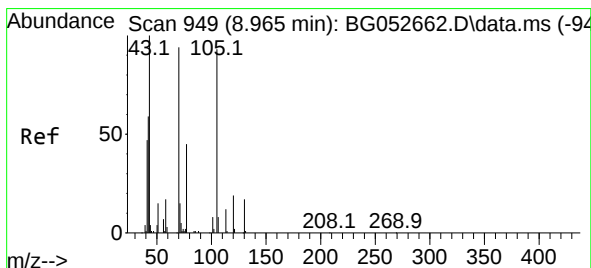
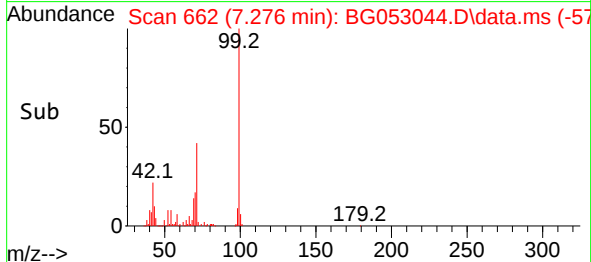
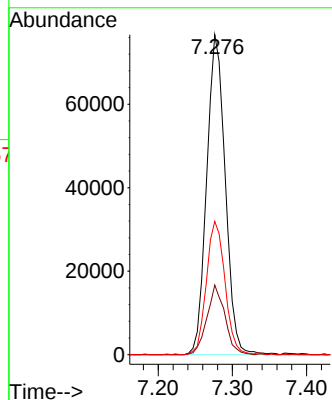
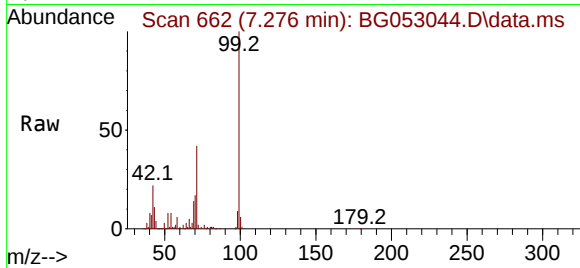




#7
Phenol-d6
Concen: 35.664 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

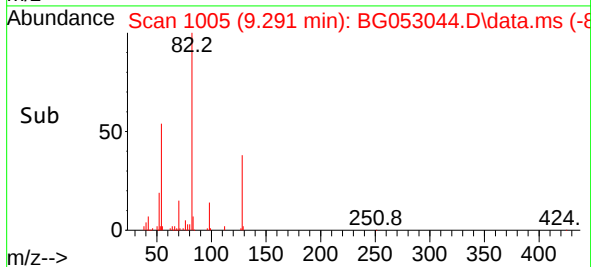
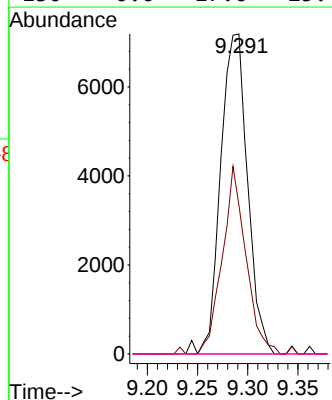
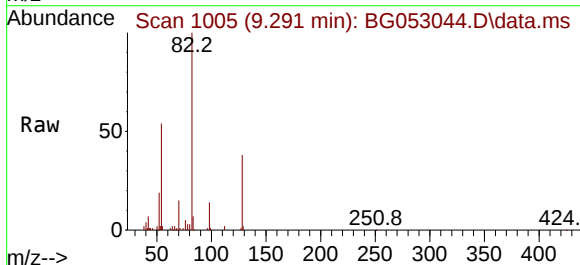
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

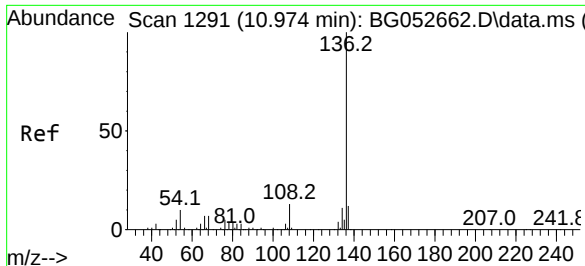
Tgt Ion: 99 Resp: 133297
Ion Ratio Lower Upper
99 100
42 21.8 14.7 22.1
71 41.7 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.070 ng
RT: 9.291 min Scan# 1005
Delta R.T. 0.346 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion: 70 Resp: 13422
Ion Ratio Lower Upper
70 100
42 46.5 46.0 69.0
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

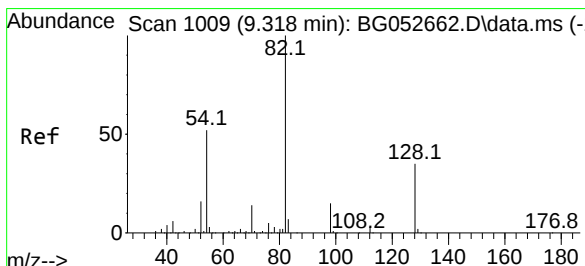
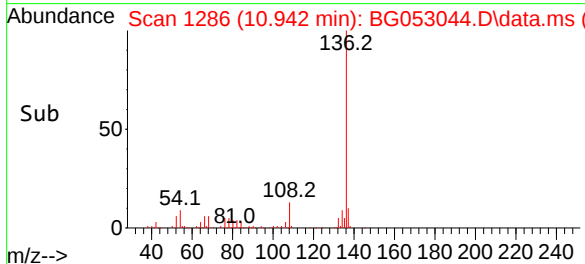
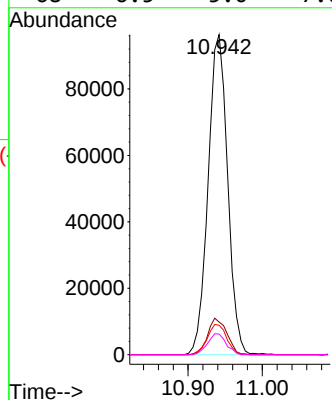
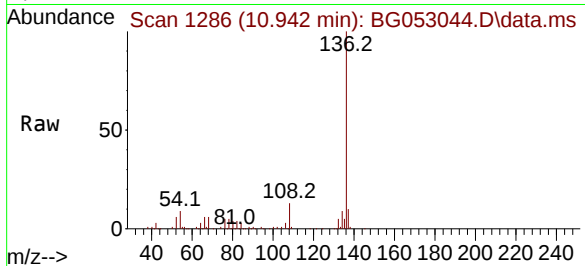




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

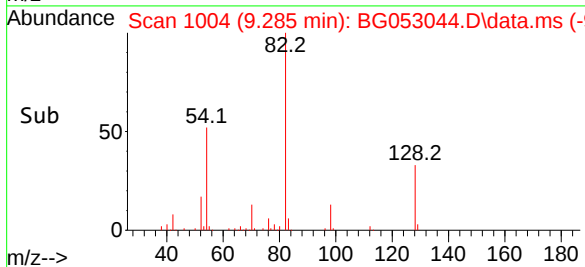
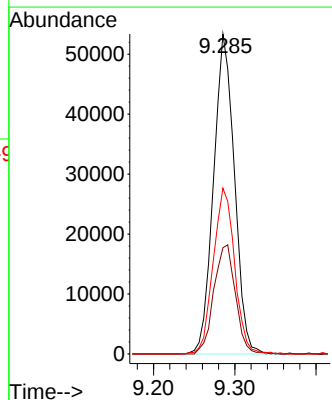
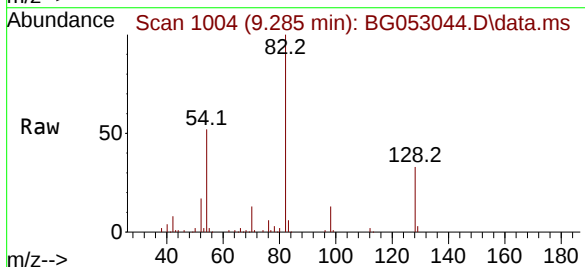
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

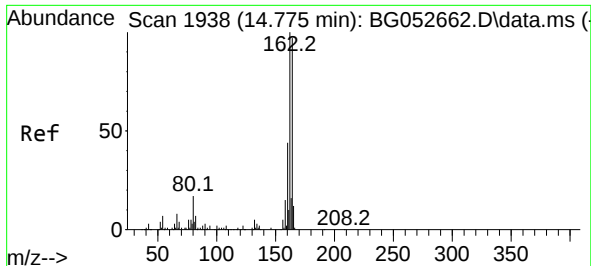
Tgt Ion:136 Resp: 175869
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.2
54 9.2 6.4 9.6
68 6.5 5.0 7.6



#23
Nitrobenzene-d5
Concen: 27.204 ng
RT: 9.285 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion: 82 Resp: 95325
Ion Ratio Lower Upper
82 100
128 33.2 31.3 46.9
54 51.8 37.8 56.8

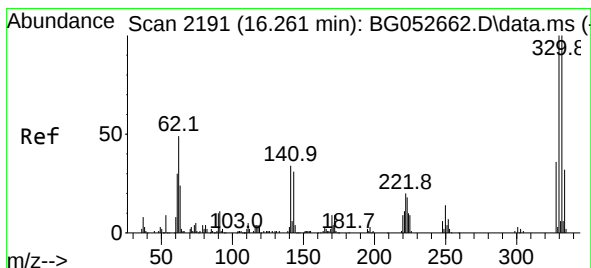
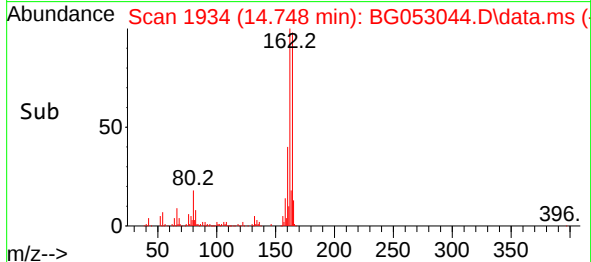
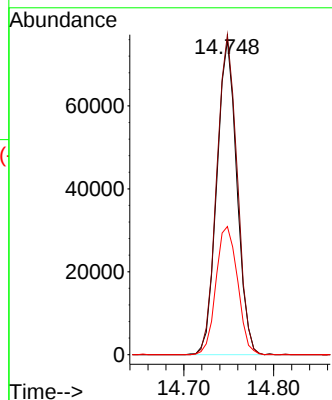
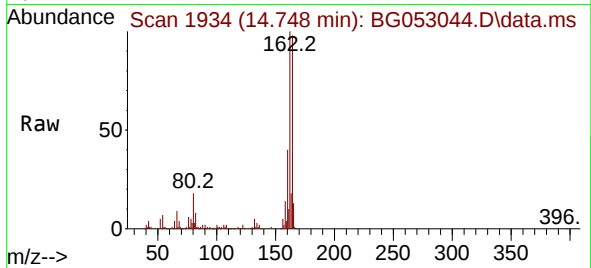




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1934
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

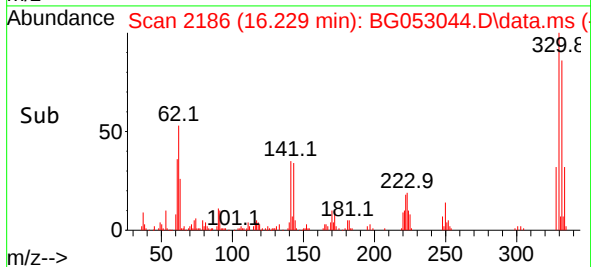
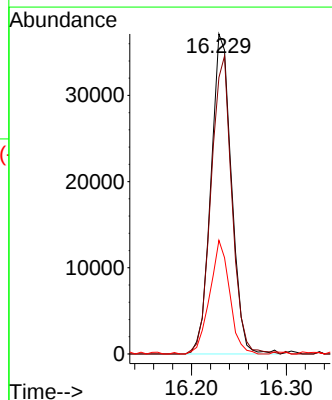
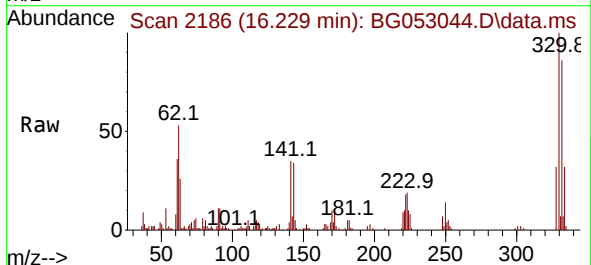
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

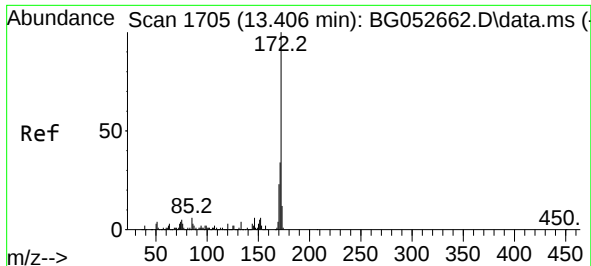
Tgt Ion:164 Resp: 117501
Ion Ratio Lower Upper
164 100
162 101.7 80.0 120.0
160 40.7 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 35.332 ng
RT: 16.229 min Scan# 2186
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:330 Resp: 55786
Ion Ratio Lower Upper
330 100
332 94.3 75.8 113.6
141 34.2 24.6 36.8

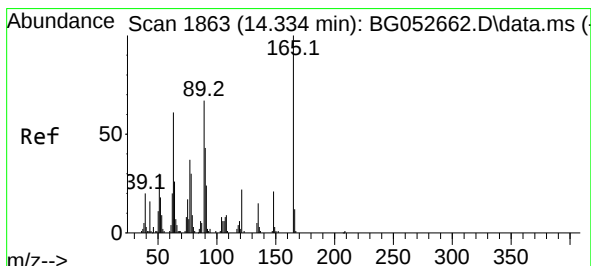
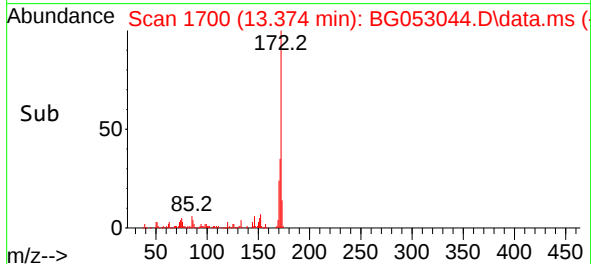
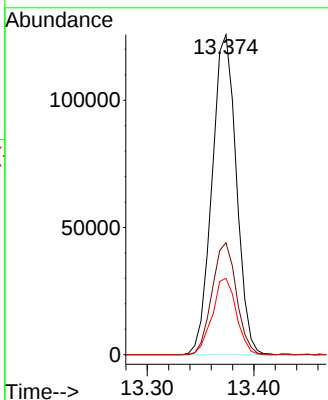
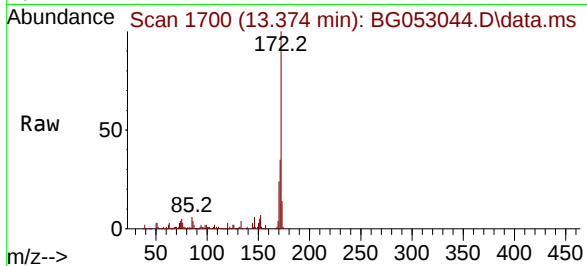




#45
2-Fluorobiphenyl
Concen: 24.959 ng
RT: 13.374 min Scan# 1
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

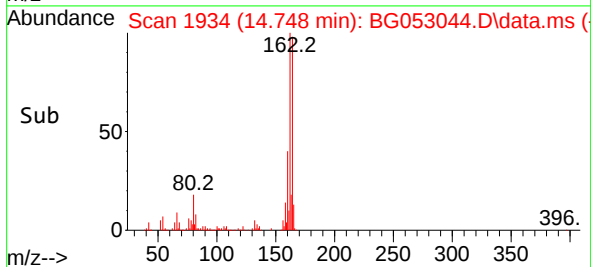
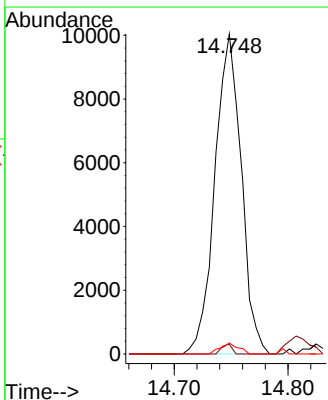
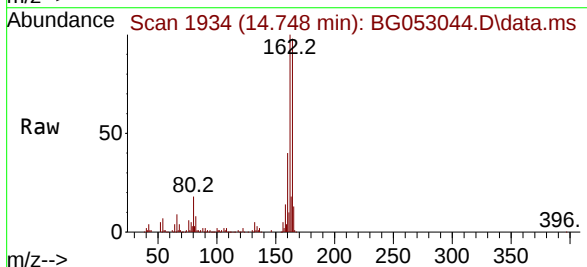
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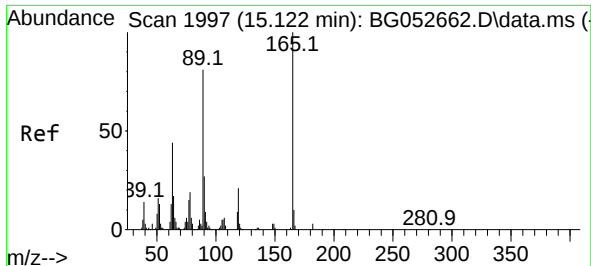
Tgt Ion:172 Resp: 198846
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.9 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.953 ng
RT: 14.748 min Scan# 1934
Delta R.T. 0.422 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:165 Resp: 16149
Ion Ratio Lower Upper
165 100
63 3.0 43.7 65.5#
89 3.4 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 7.894 ng

RT: 14.748 min Scan# 1997

Delta R.T. -0.365 min

Lab File: BG053044.D

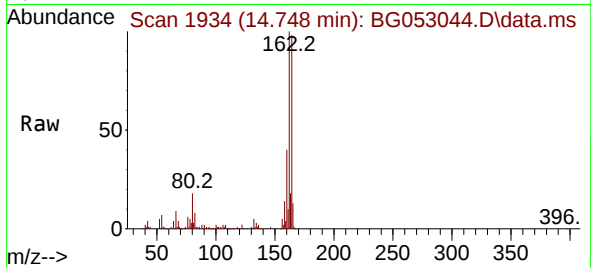
Acq: 5 Apr 2022 23:05

Instrument :

BNA_G

ClientSampleId :

OK-01-040422



Tgt Ion:165 Resp: 16149

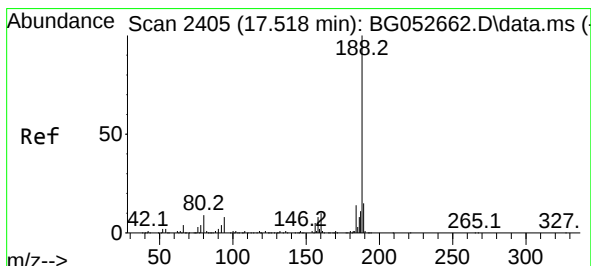
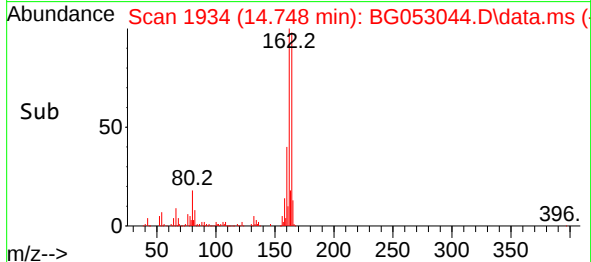
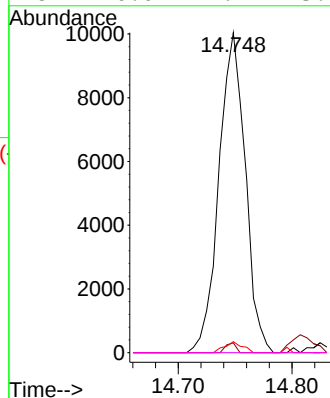
Ion Ratio Lower Upper

165 100

63 3.0 34.8 52.2#

89 3.4 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2401

Delta R.T. -0.012 min

Lab File: BG053044.D

Acq: 5 Apr 2022 23:05

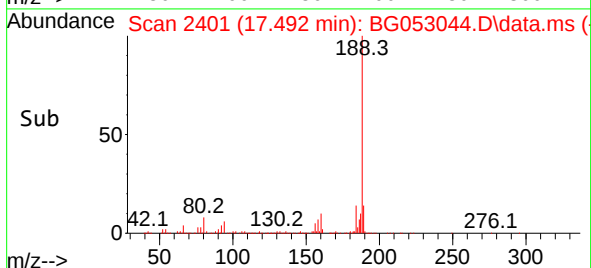
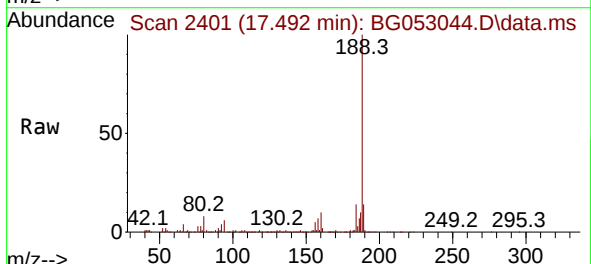
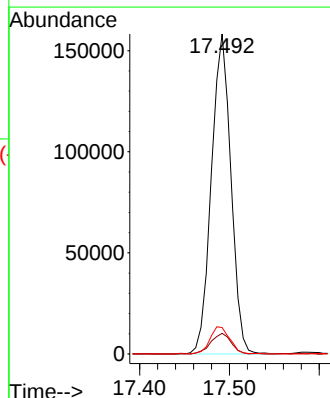
Tgt Ion:188 Resp: 238957

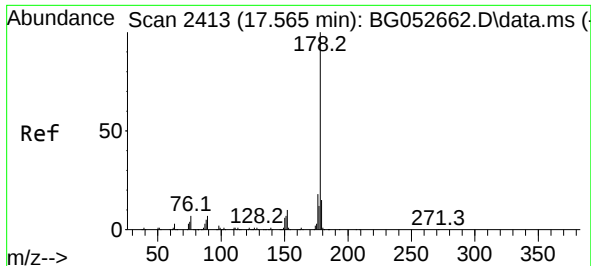
Ion Ratio Lower Upper

188 100

94 6.5 5.7 8.5

80 8.2 7.2 10.8

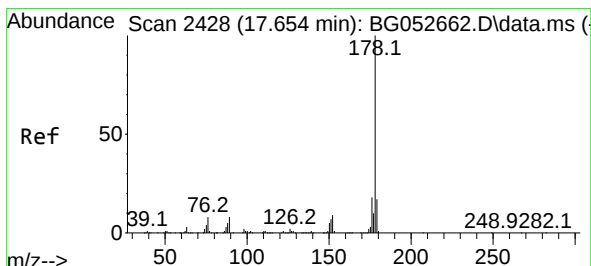
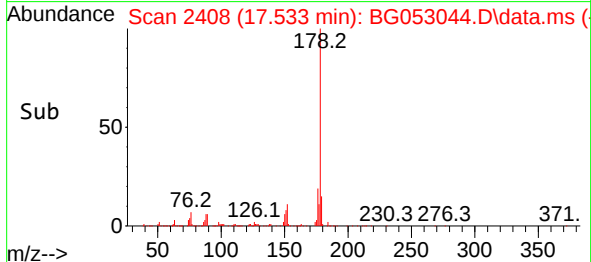
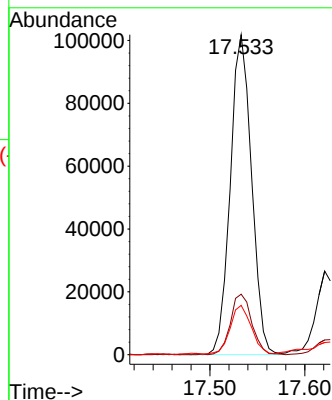
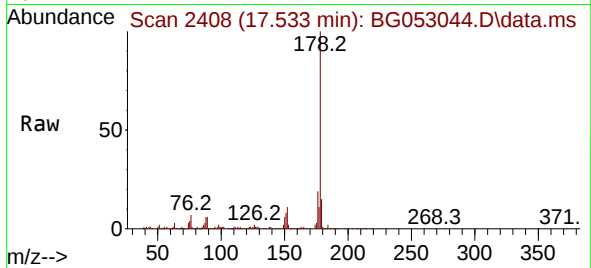




#71
Phenanthrene
Concen: 12.418 ng
RT: 17.533 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

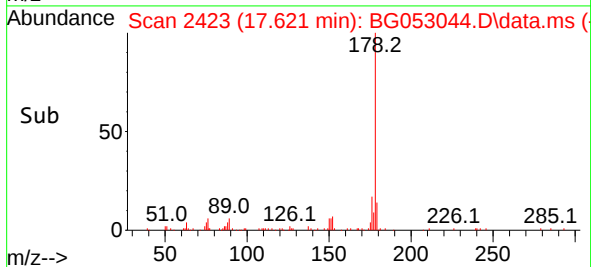
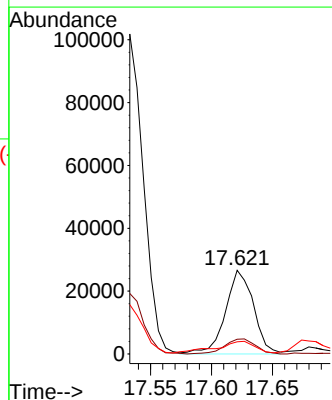
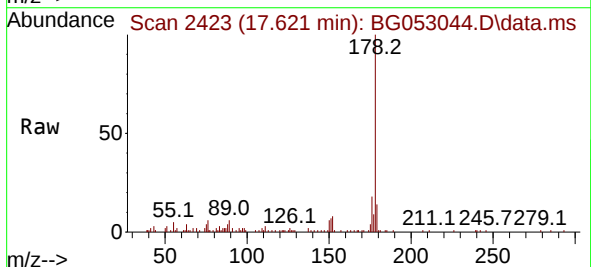
Instrument :
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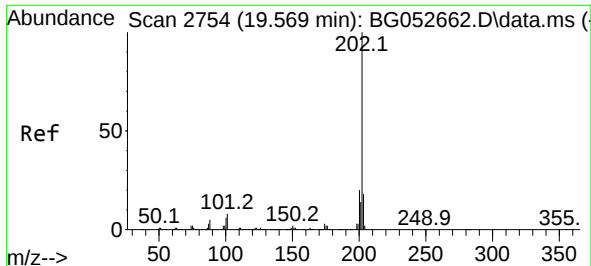
Tgt Ion:178 Resp: 158748
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.4 13.4 20.2



#72
Anthracene
Concen: 3.375 ng
RT: 17.621 min Scan# 2423
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:178 Resp: 42648
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 14.5 13.2 19.8

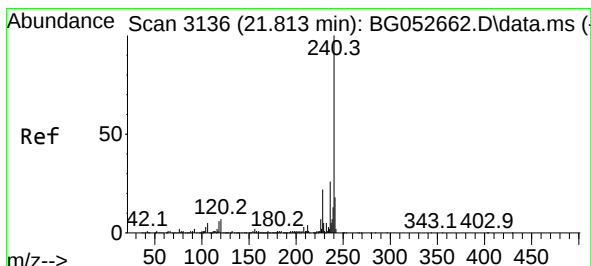
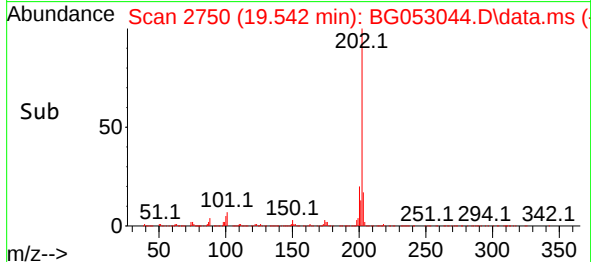
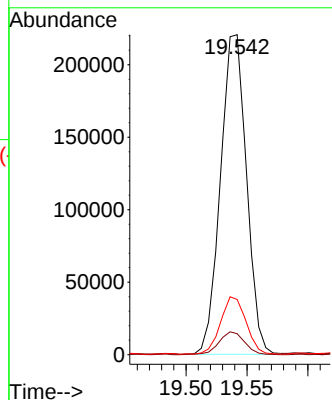
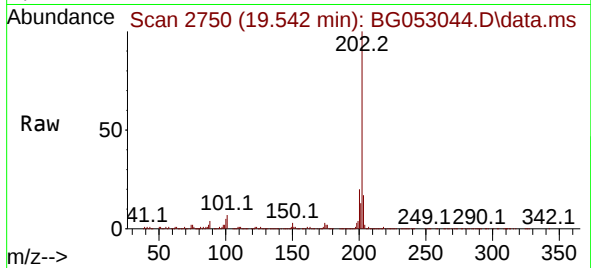




#75
Fluoranthene
Concen: 20.198 ng
RT: 19.542 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

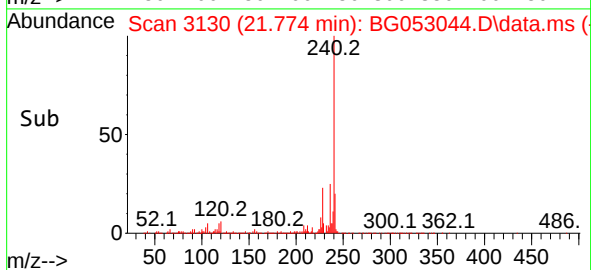
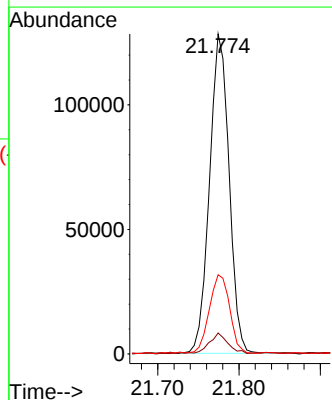
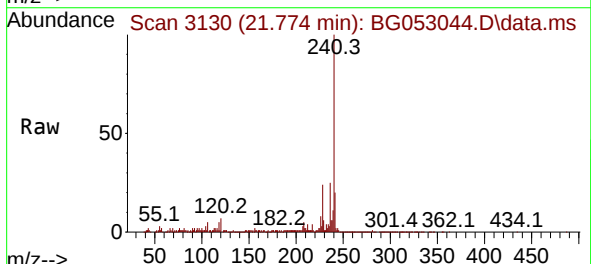
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

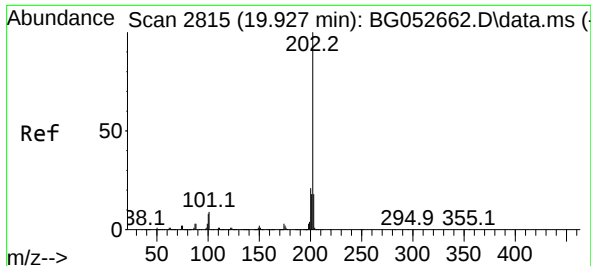
Tgt Ion:202 Resp: 327750
Ion Ratio Lower Upper
202 100
101 6.6 0.0 27.3
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. -0.024 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:240 Resp: 214753
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 24.8 19.8 29.6

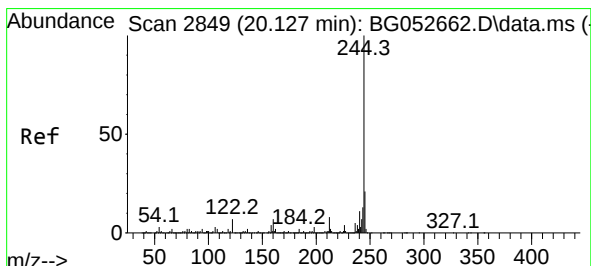
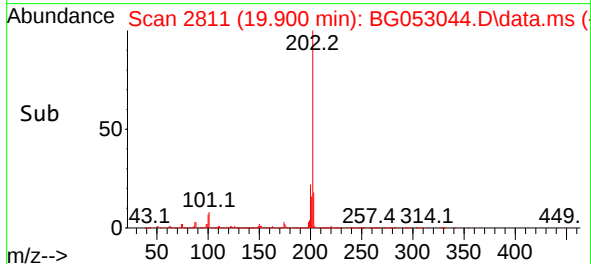
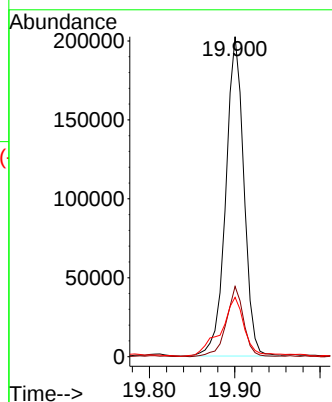
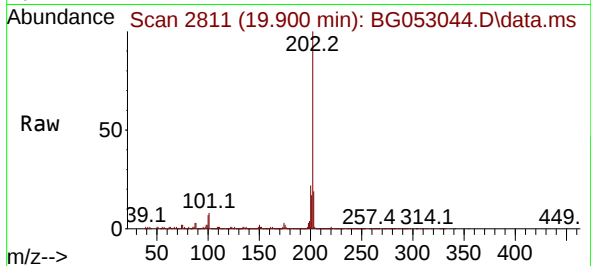




#78
 Pyrene
 Concen: 20.056 ng
 RT: 19.900 min Scan# 2815
 Delta R.T. -0.018 min
 Lab File: BG053044.D
 Acq: 5 Apr 2022 23:05

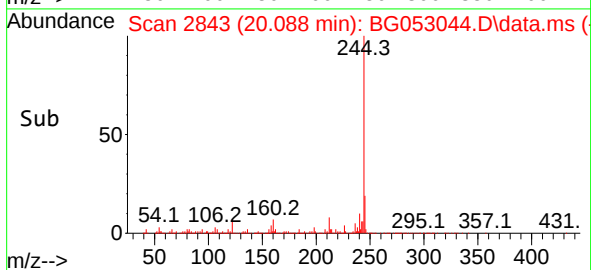
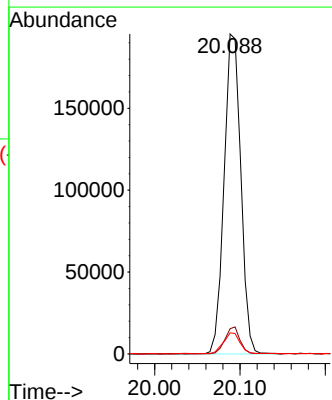
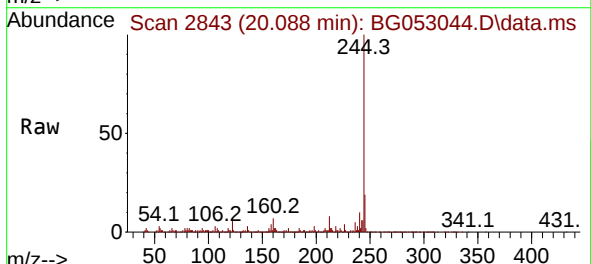
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-040422

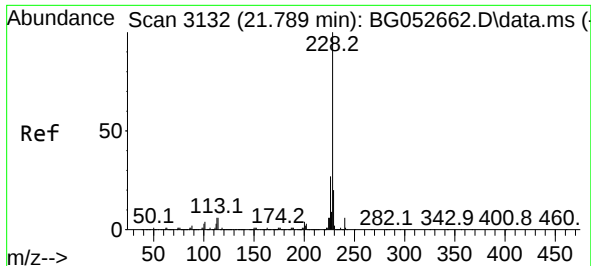
Tgt Ion:202 Resp: 298765
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.0 25.6
 203 18.5 15.0 22.6



#79
 Terphenyl-d14
 Concen: 22.039 ng
 RT: 20.088 min Scan# 2843
 Delta R.T. -0.024 min
 Lab File: BG053044.D
 Acq: 5 Apr 2022 23:05

Tgt Ion:244 Resp: 266065
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.4 8.2
 122 6.6 5.8 8.6

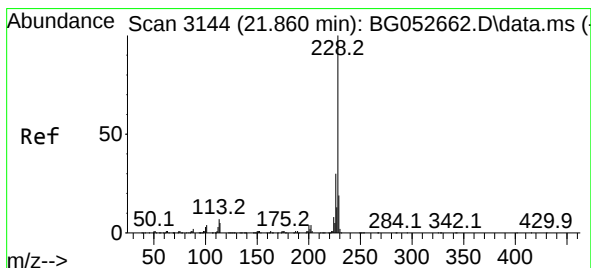
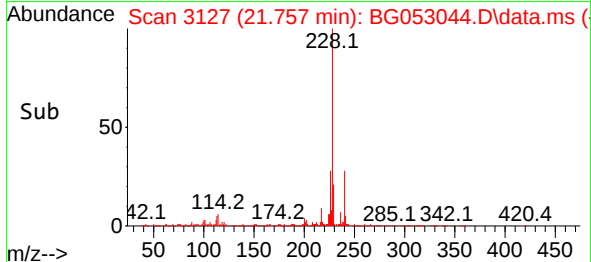
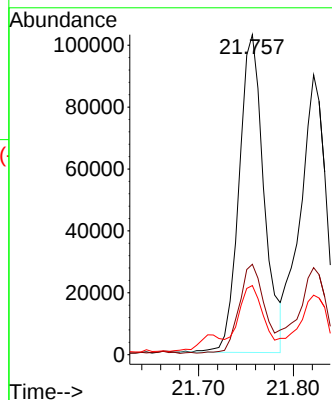
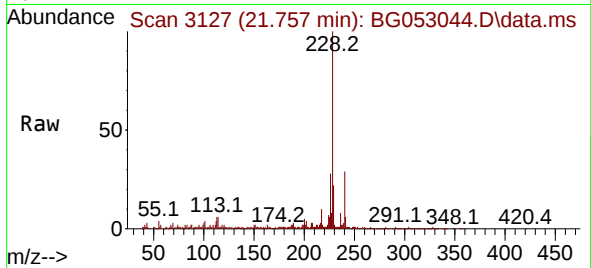




#81
Benzo(a)anthracene
Concen: 13.019 ng
RT: 21.757 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

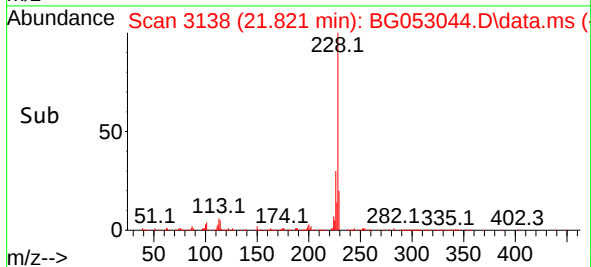
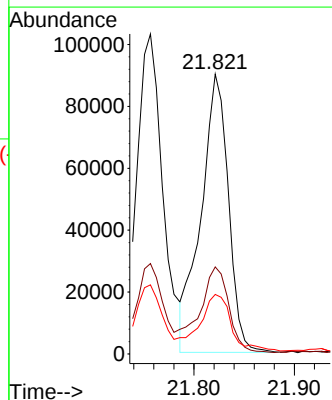
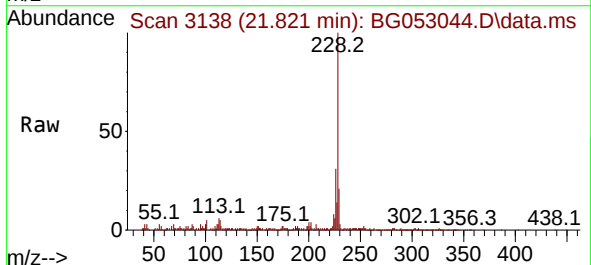
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

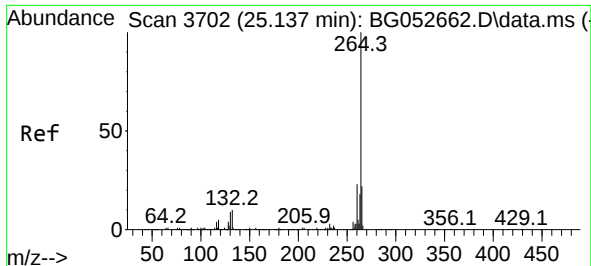
Tgt Ion:228 Resp: 187218
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 21.6 16.7 25.1



#83
Chrysene
Concen: 12.657 ng
RT: 21.821 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:228 Resp: 171114
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 21.3 16.3 24.5

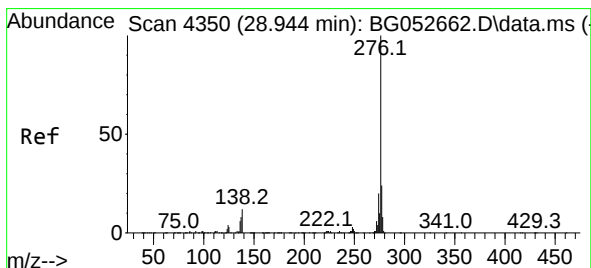
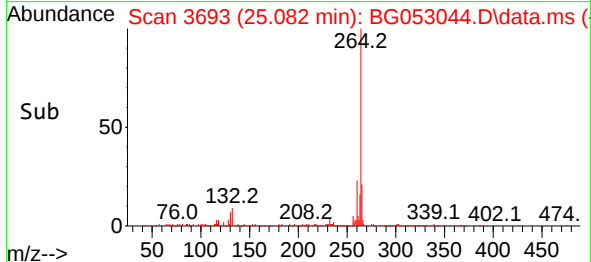
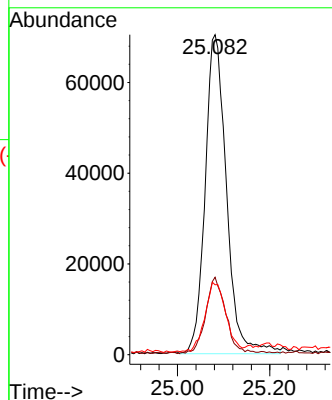
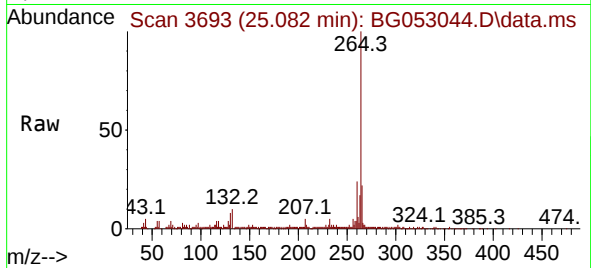




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.082 min Scan# 30
 Delta R.T. -0.030 min
 Lab File: BG053044.D
 Acq: 5 Apr 2022 23:05

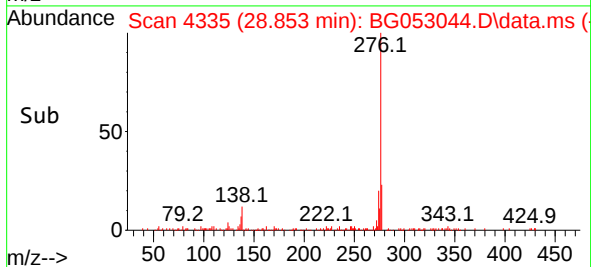
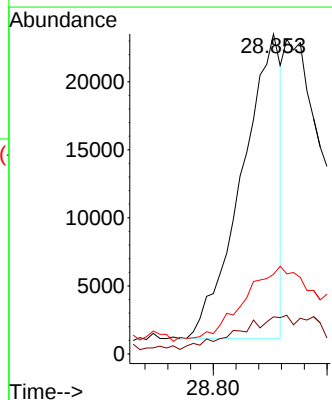
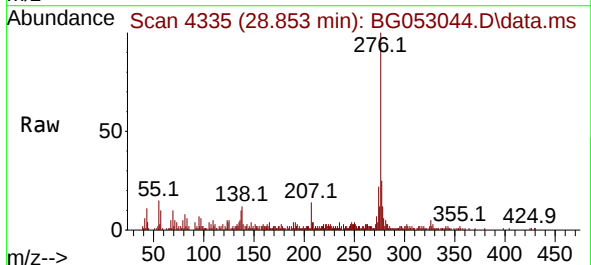
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-040422

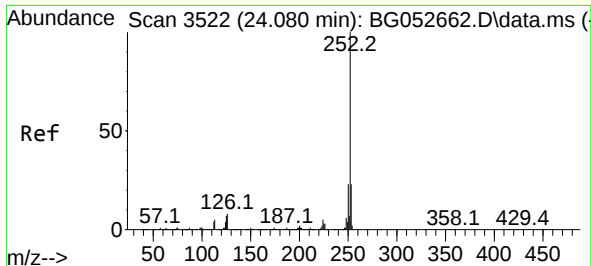
Tgt Ion:264 Resp: 226233
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.2 27.2
 265 21.9 15.1 22.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.456 ng
 RT: 28.853 min Scan# 4335
 Delta R.T. -0.047 min
 Lab File: BG053044.D
 Acq: 5 Apr 2022 23:05

Tgt Ion:276 Resp: 53511
 Ion Ratio Lower Upper
 276 100
 138 15.1 8.7 13.1#
 277 51.9 20.2 30.4#

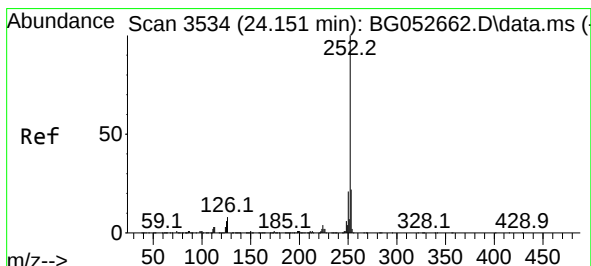
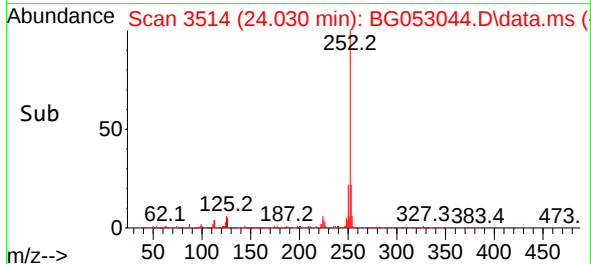
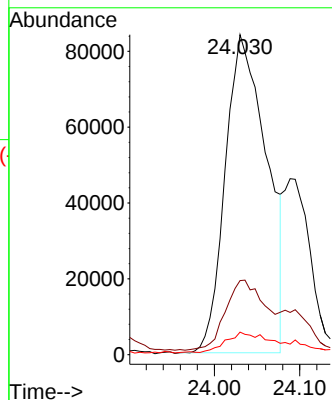
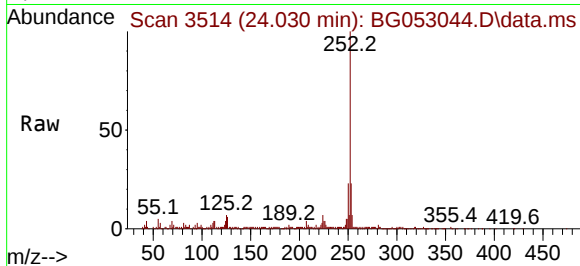




#88
Benzo(b)fluoranthene
Concen: 20.152 ng
RT: 24.030 min Scan# 3514
Delta R.T. -0.024 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

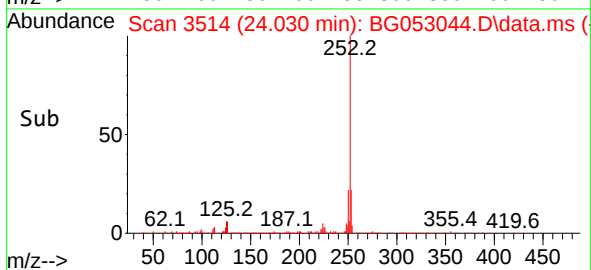
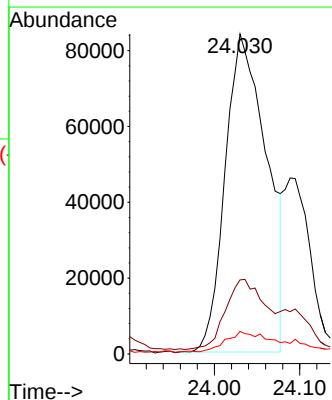
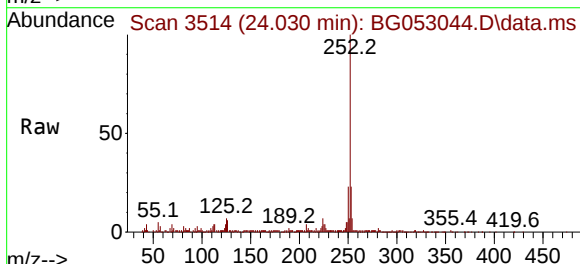
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

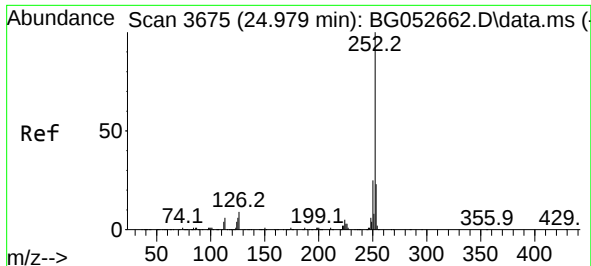
Tgt Ion:252 Resp: 283081
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 7.1 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 20.483 ng
RT: 24.030 min Scan# 3514
Delta R.T. -0.100 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

Tgt Ion:252 Resp: 283081
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 7.1 5.0 7.4

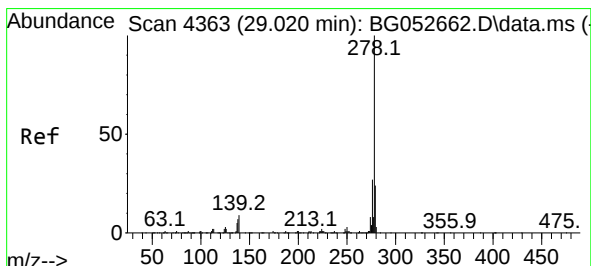
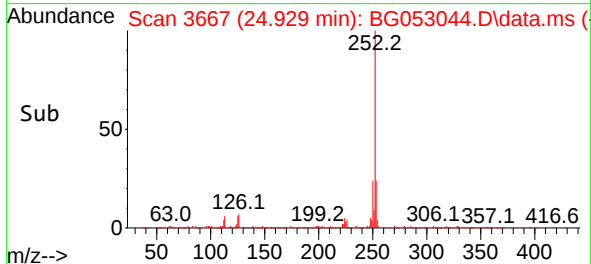
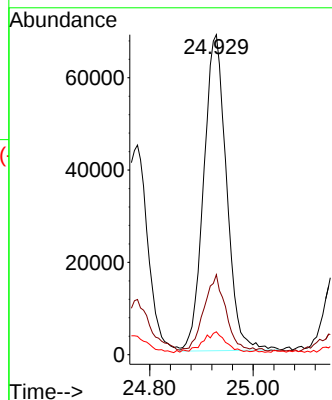
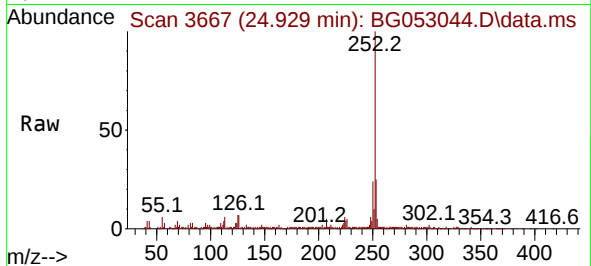




#90
Benzo(a)pyrene
Concen: 17.611 ng
RT: 24.929 min Scan# 30
Delta R.T. -0.024 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

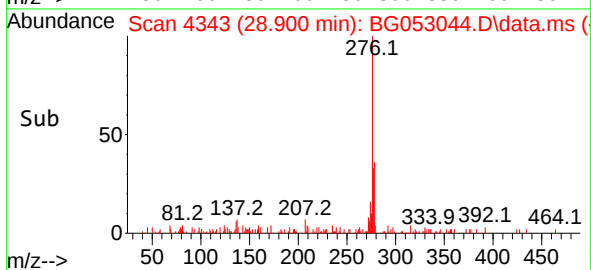
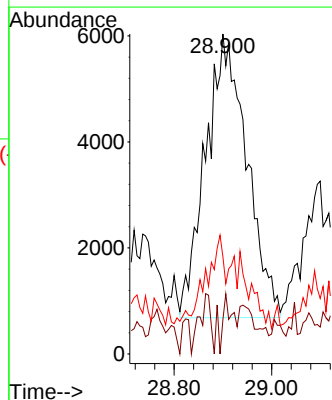
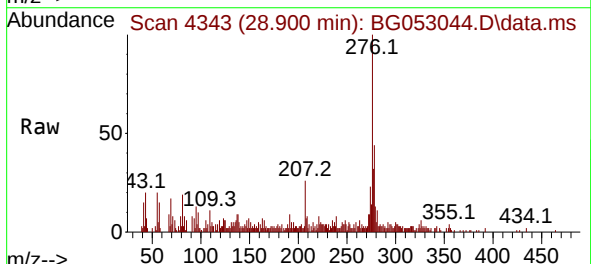
Instrument :
BNA_G
ClientSampleId :
OK-01-040422

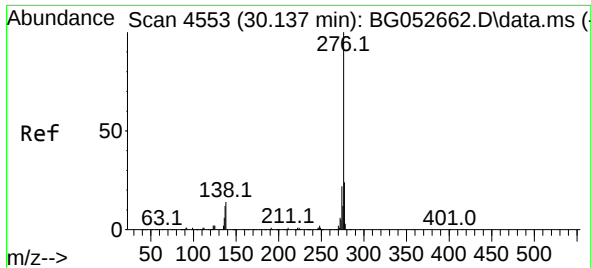
Tgt Ion:252 Resp: 209399
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 7.2 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 2.456 ng
RT: 28.900 min Scan# 4343
Delta R.T. -0.071 min
Lab File: BG053044.D
Acq: 5 Apr 2022 23:05

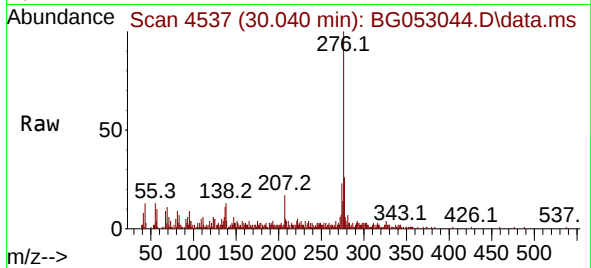
Tgt Ion:278 Resp: 31341
Ion Ratio Lower Upper
278 100
139 10.8 7.8 11.6
279 30.3 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.208 ng
 RT: 30.040 min Scan# 41
 Delta R.T. -0.053 min
 Lab File: BG053044.D
 Acq: 5 Apr 2022 23:05

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-040422



Tgt Ion:276 Resp: 116249

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.2	27.2
138	12.8	9.1	13.7

