

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053068.D
 Acq On : 6 Apr 2022 23:38
 Operator : CG/JU
 Sample : N2275-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-040522

Quant Time: Apr 07 04:11:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

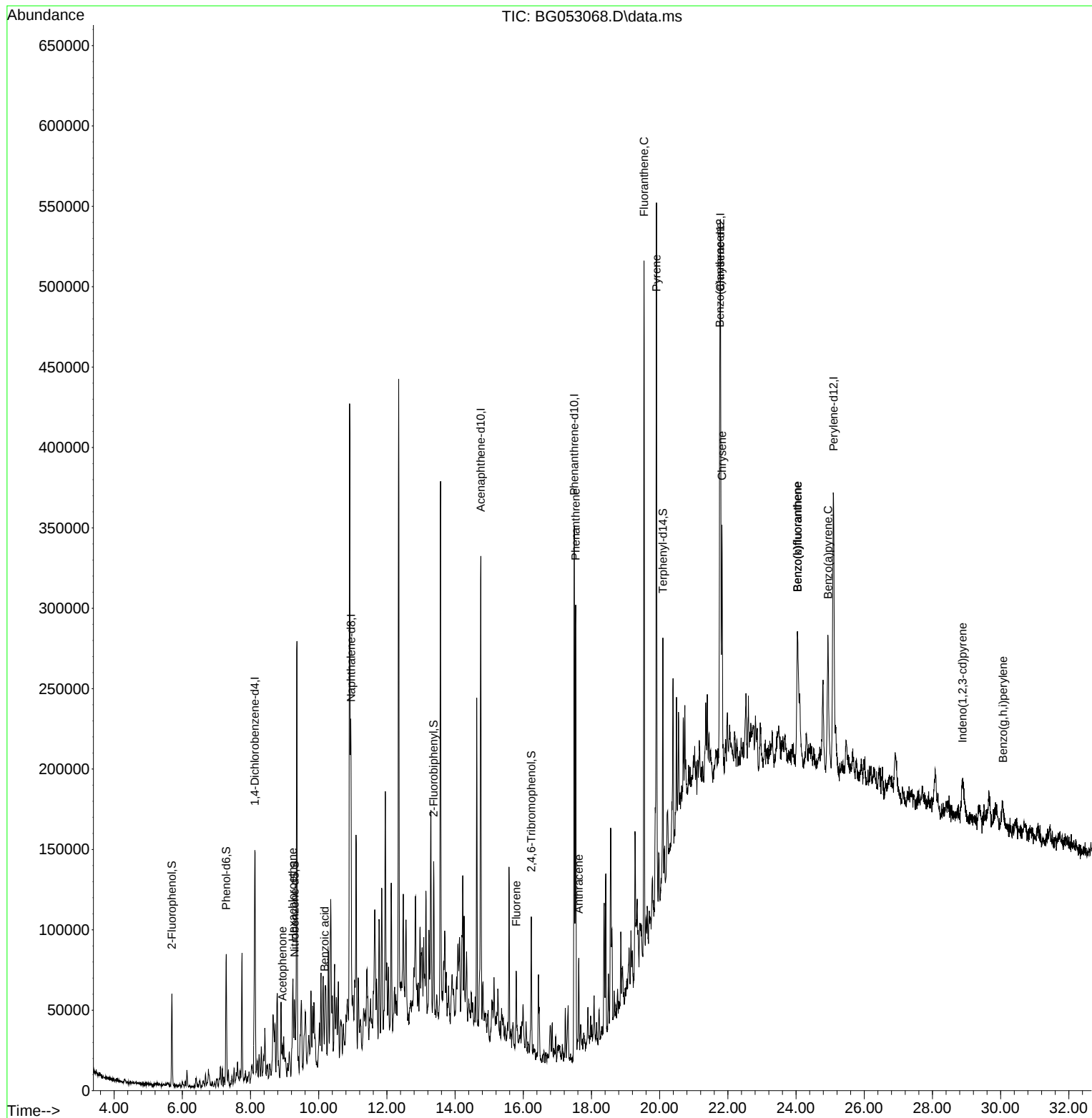
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	39961	20.000	ng	0.00
21) Naphthalene-d8	10.947	136	150114	20.000	ng	0.00
39) Acenaphthene-d10	14.754	164	100373	20.000	ng	0.00
64) Phenanthrene-d10	17.491	188	210046	20.000	ng	0.00
76) Chrysene-d12	21.780	240	190195	20.000	ng	0.00
86) Perylene-d12	25.099	264	196865	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	23201	10.111	ng	0.01
7) Phenol-d6	7.288	99	34409	9.947	ng	0.00
23) Nitrobenzene-d5	9.291	82	23933	8.002	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	13946	10.340	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	50845	7.471	ng	0.00
79) Terphenyl-d14	20.094	244	73028	6.830	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.288	77	518	Below Cal	#	15
18) Hexachloroethane	9.238	117	3716	3.472	ng	# 1
22) Acetophenone	8.938	105	11155	2.872	ng	# 63
32) Benzoic acid	10.178	122	61	5.707	ng	# 1
58) Fluorene	15.794	166	19680	2.619	ng	# 98
71) Phenanthrene	17.538	178	179020	15.931	ng	98
72) Anthracene	17.627	178	41005	3.691	ng	97
75) Fluoranthene	19.542	202	271486	19.033	ng	98
78) Pyrene	19.906	202	284587	21.571	ng	98
81) Benzo(a)anthracene	21.762	228	120066	9.428	ng	95
83) Chrysene	21.827	228	108798	9.087	ng	98
87) Indeno(1,2,3-cd)pyrene	28.882	276	44774	3.323	ng	# 83
88) Benzo(b)fluoranthene	24.047	252	114587	9.374	ng	# 91
89) Benzo(k)fluoranthene	24.047	252	114587	9.528	ng	# 91
90) Benzo(a)pyrene	24.940	252	98714	9.541	ng	98
92) Benzo(g,h,i)perylene	30.069	276	36318	3.306	ng	# 93

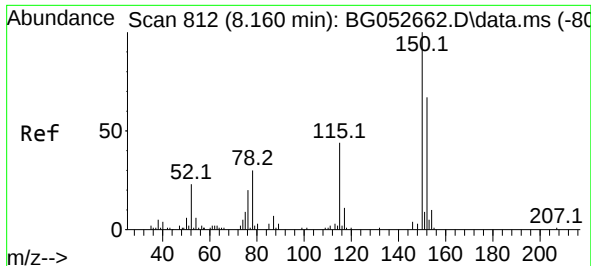
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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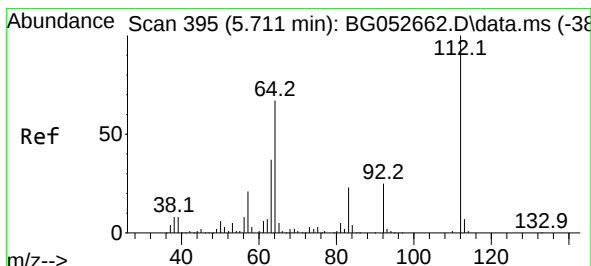
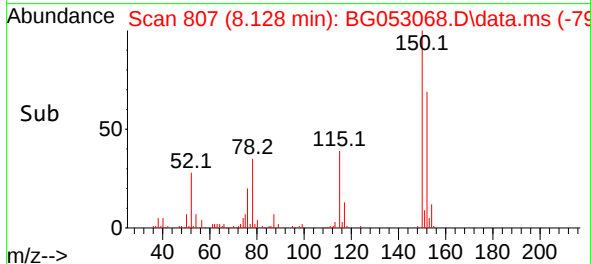
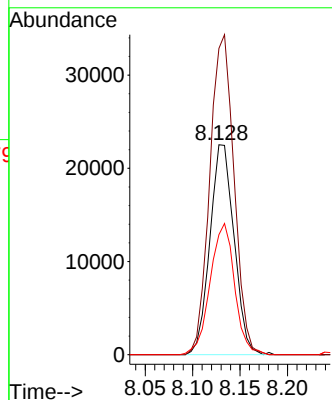
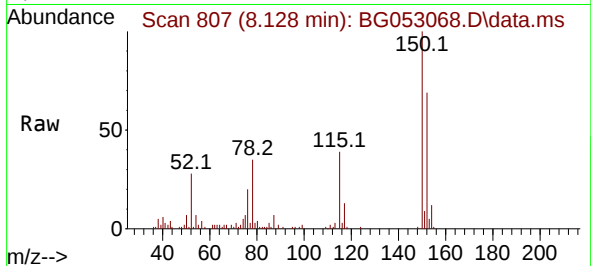




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

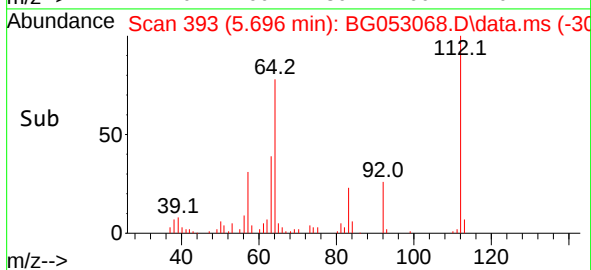
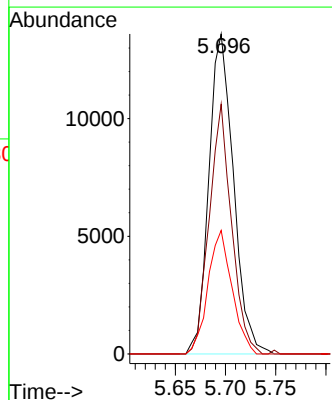
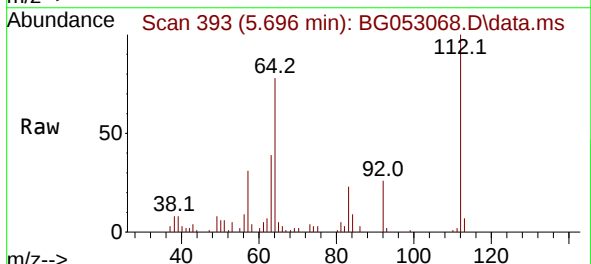
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

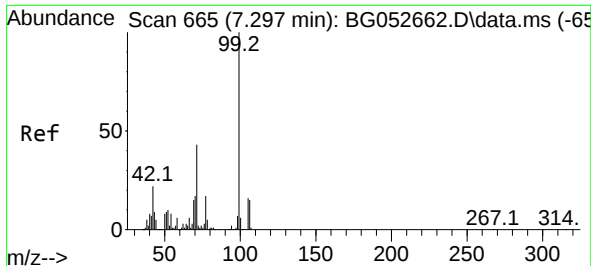
Tgt Ion:152 Resp: 39961
Ion Ratio Lower Upper
152 100
150 145.9 114.6 172.0
115 57.1 45.9 68.9



#5
2-Fluorophenol
Concen: 10.111 ng
RT: 5.696 min Scan# 393
Delta R.T. 0.011 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:112 Resp: 23201
Ion Ratio Lower Upper
112 100
64 78.1 48.0 72.0#
63 38.6 26.5 39.7

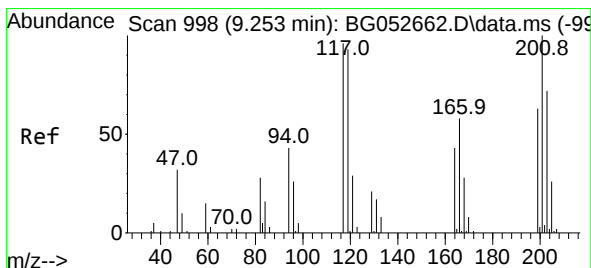
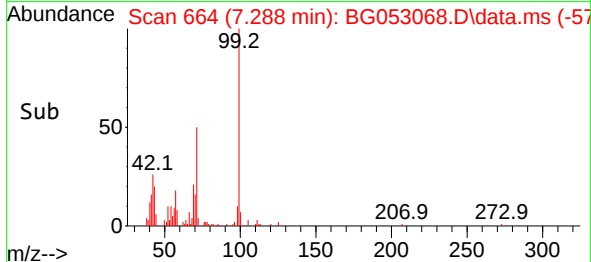
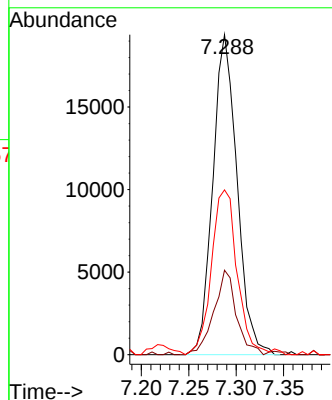
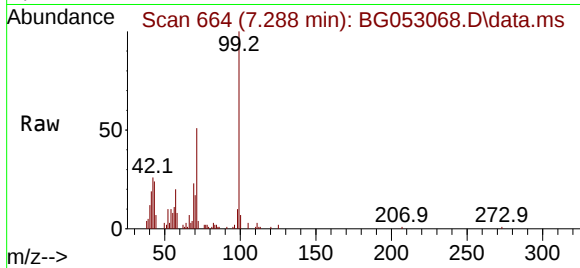




#7
Phenol-d6
Concen: 9.947 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

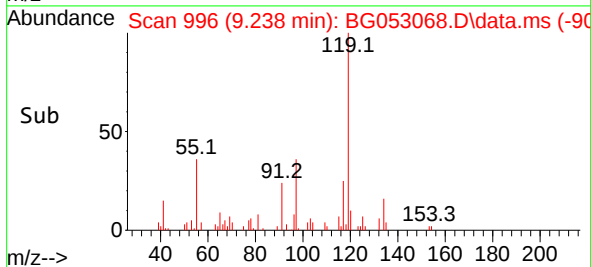
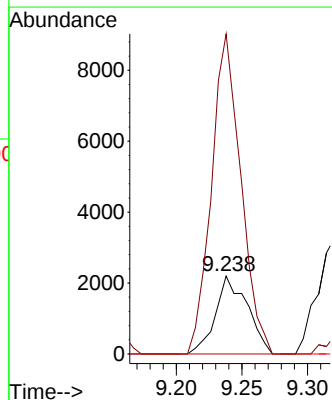
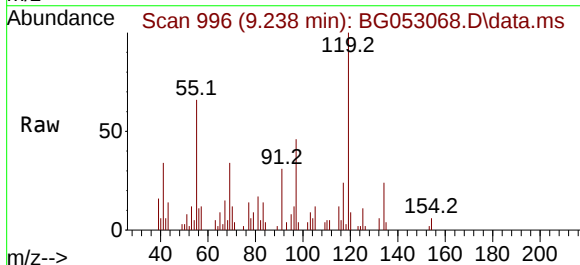
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

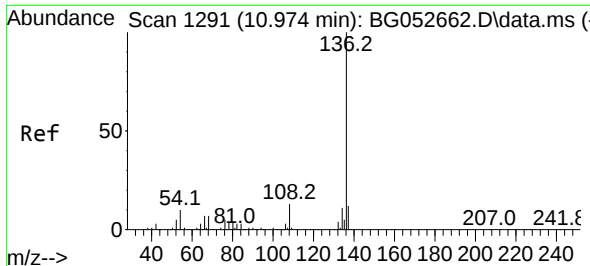
Tgt Ion: 99 Resp: 34409
Ion Ratio Lower Upper
99 100
42 26.4 14.7 22.1#
71 51.5 29.2 43.8#



#18
Hexachloroethane
Concen: 3.472 ng
RT: 9.238 min Scan# 996
Delta R.T. 0.017 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion: 117 Resp: 3716
Ion Ratio Lower Upper
117 100
119 411.0 75.1 112.7#
201 0.0 96.6 145.0#

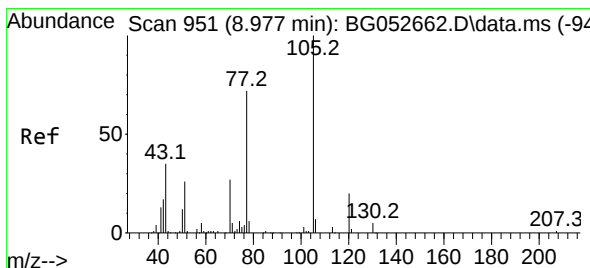
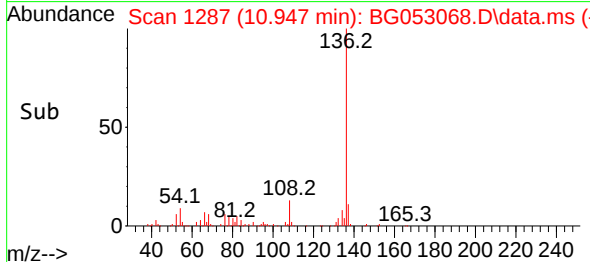
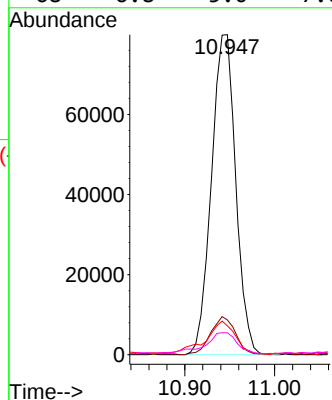
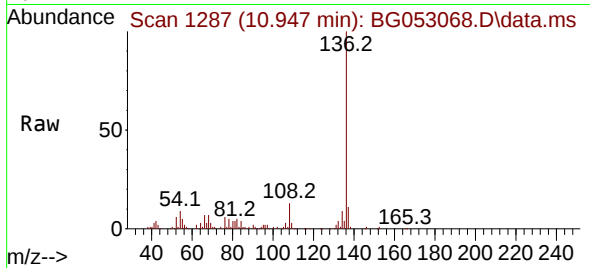




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.947 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

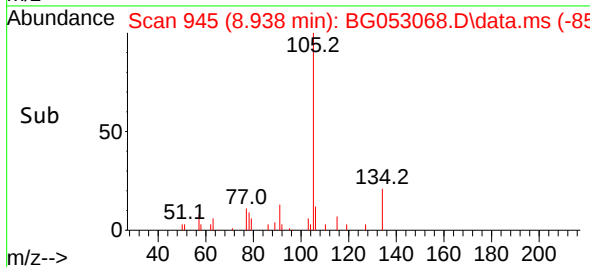
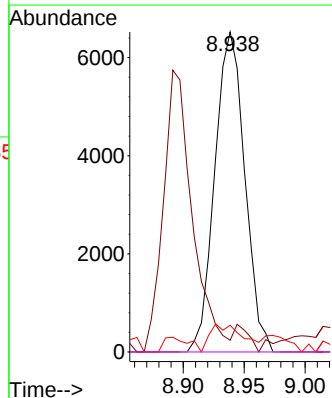
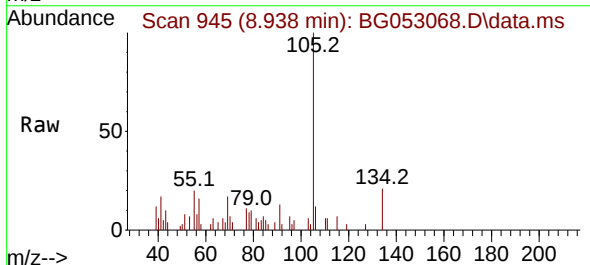
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

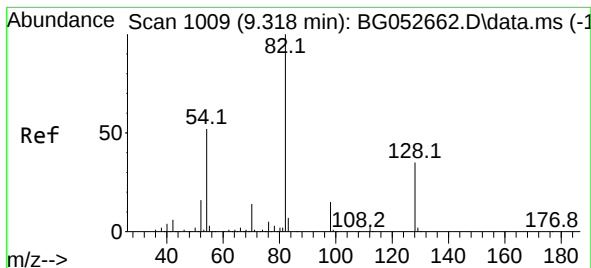
Tgt Ion:	136	Resp:	150114
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.2
54	9.0	6.4	9.6
68	6.8	5.0	7.6



#22
Acetophenone
Concen: 2.872 ng
RT: 8.938 min Scan# 945
Delta R.T. -0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:	105	Resp:	11155
Ion	Ratio	Lower	Upper
105	100		
71	3.6	2.1	3.1#
51	8.3	21.9	32.9#
120	0.0	15.3	22.9#





#23

Nitrobenzene-d5

Concen: 8.002 ng

RT: 9.291 min Scan# 1105

Delta R.T. -0.000 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

EO-03-040522

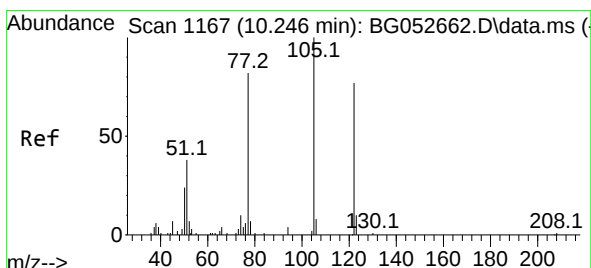
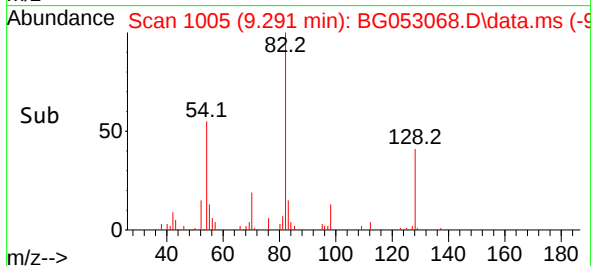
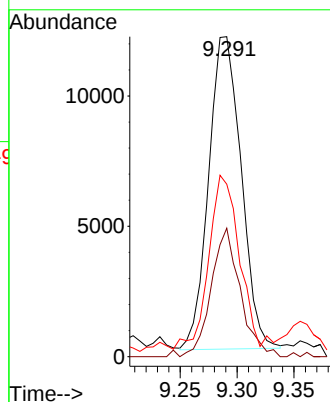
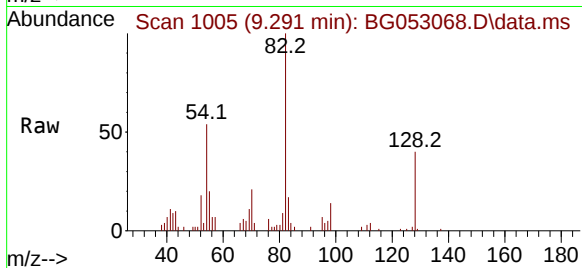
Tgt Ion: 82 Resp: 23933

Ion Ratio Lower Upper

82 100

128 40.2 31.3 46.9

54 53.9 37.8 56.8



#32

Benzoic acid

Concen: 5.707 ng

RT: 10.178 min Scan# 1156

Delta R.T. -0.059 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

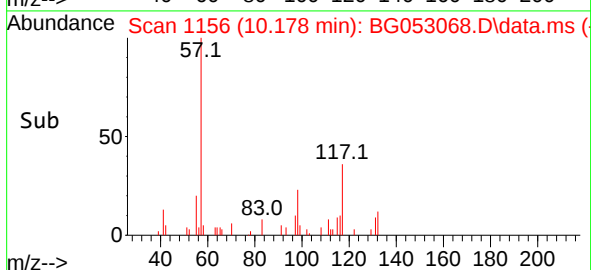
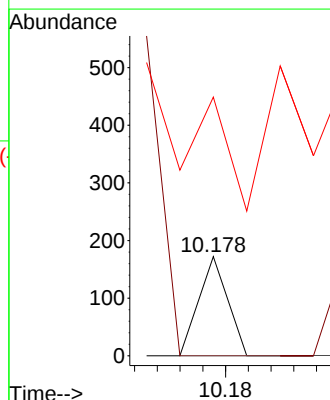
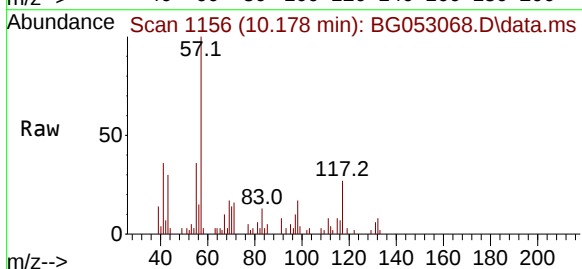
Tgt Ion: 122 Resp: 61

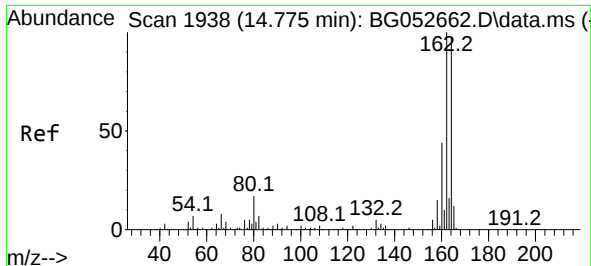
Ion Ratio Lower Upper

122 100

105 0.0 112.8 152.8#

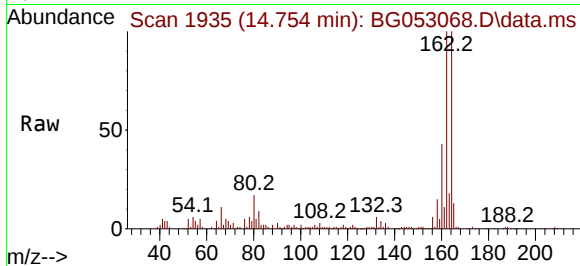
77 261.0 78.4 118.4#



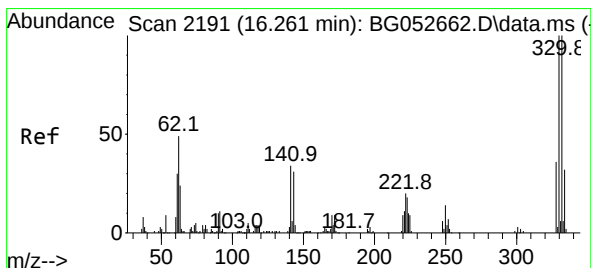
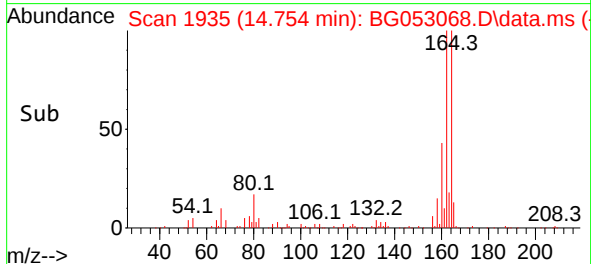
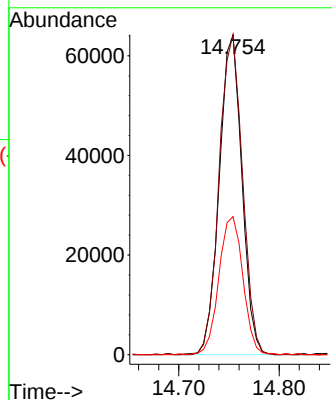


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.754 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :
BNA_G
ClientSampleId :
EO-03-040522

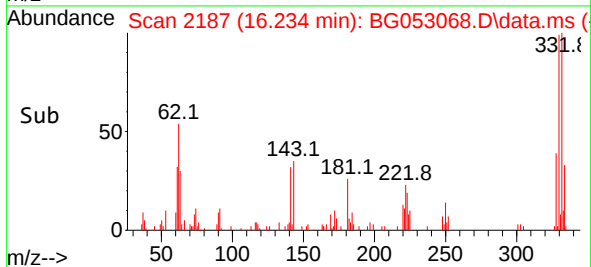
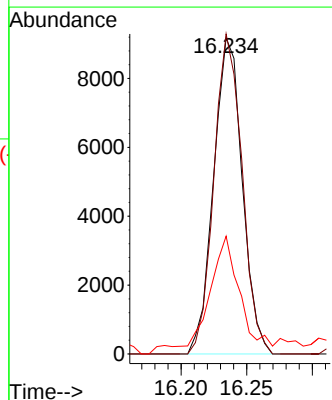
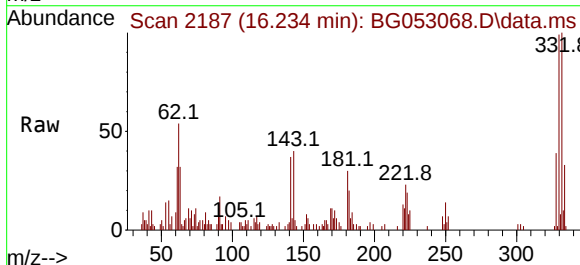


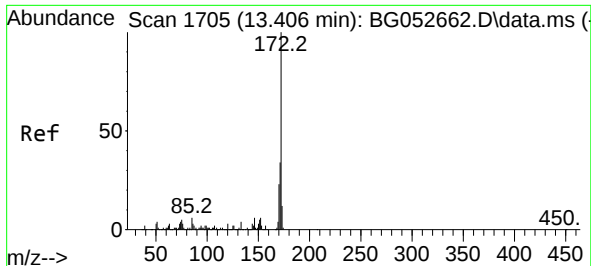
Tgt Ion:164 Resp: 100373
Ion Ratio Lower Upper
164 100
162 100.2 80.0 120.0
160 43.2 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 10.340 ng
RT: 16.234 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:330 Resp: 13946
Ion Ratio Lower Upper
330 100
332 99.1 75.8 113.6
141 34.7 24.6 36.8

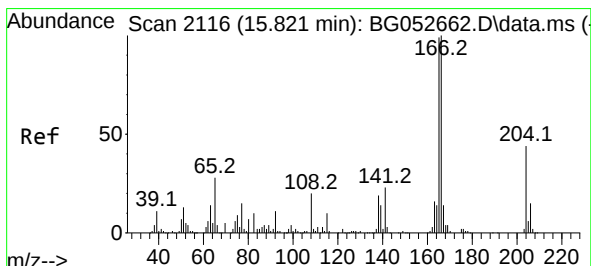
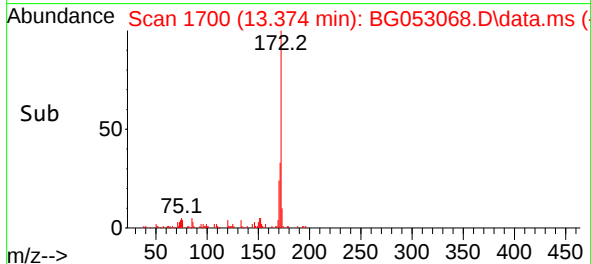
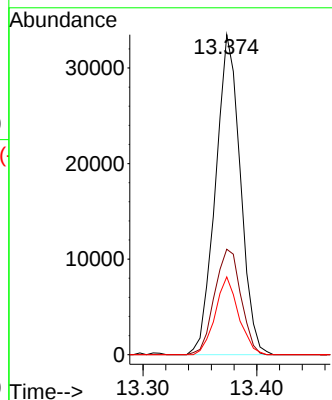
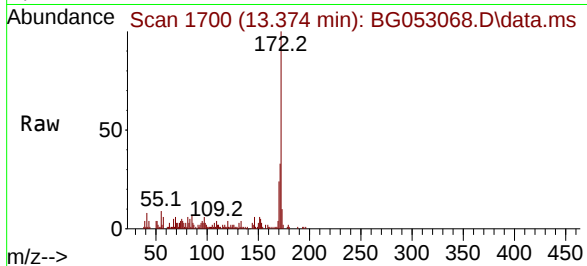




#45
2-Fluorobiphenyl
Concen: 7.471 ng
RT: 13.374 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

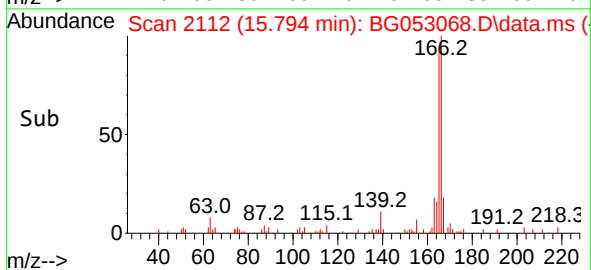
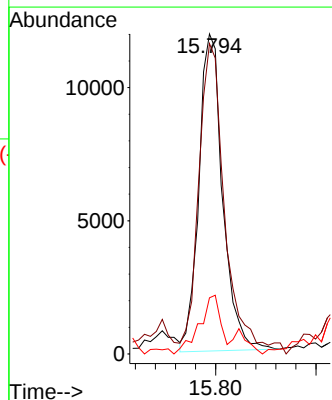
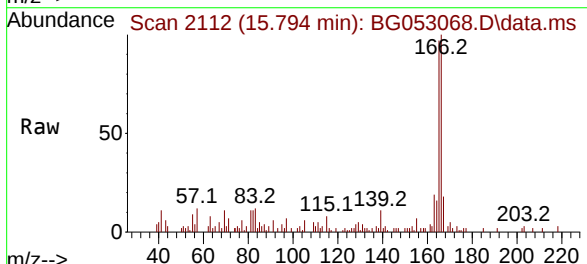
Instrument :
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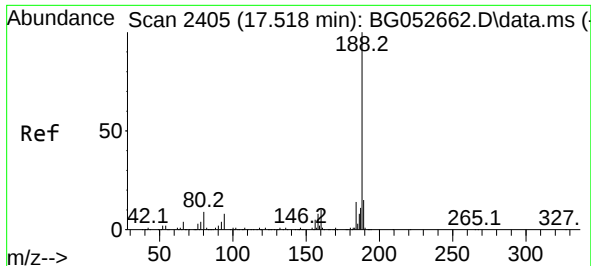
Tgt Ion:172 Resp: 50845
Ion Ratio Lower Upper
172 100
171 32.9 28.3 42.5
170 24.3 18.0 27.0



#58
Fluorene
Concen: 2.619 ng
RT: 15.794 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:166 Resp: 19680
Ion Ratio Lower Upper
166 100
165 97.0 78.6 117.8
167 17.6 10.9 16.3#

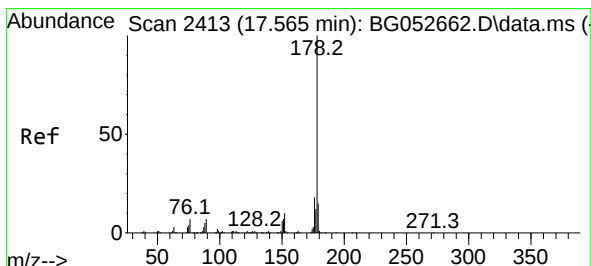
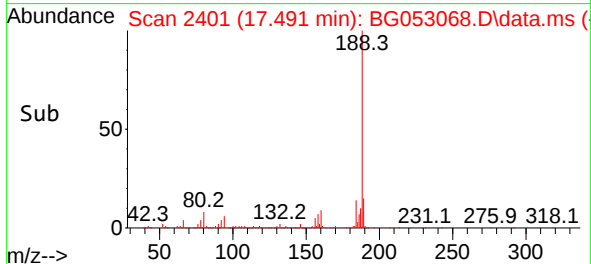
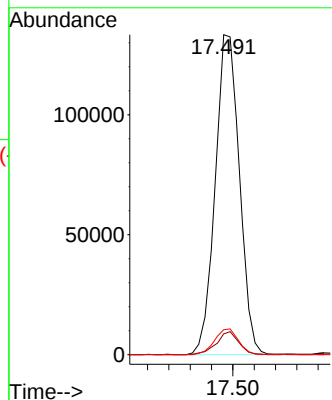
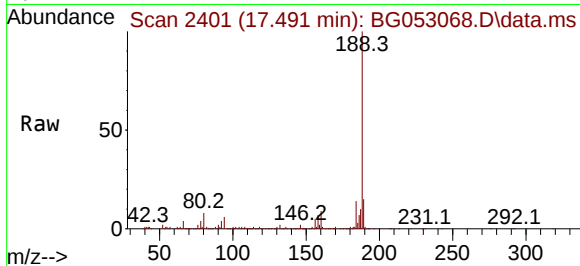




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.491 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

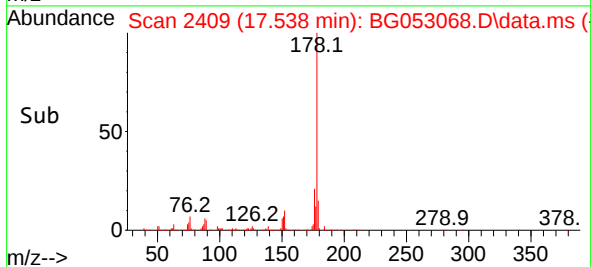
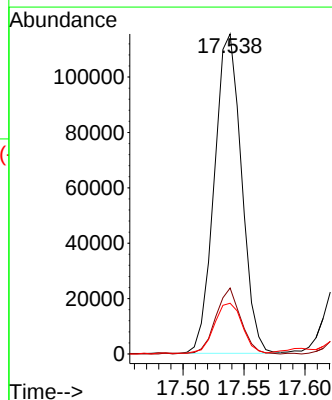
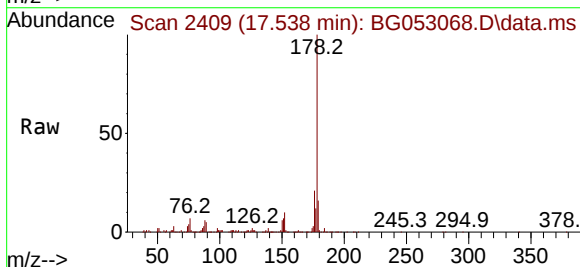
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

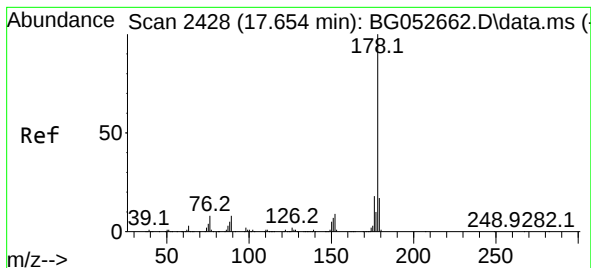
Tgt Ion:188 Resp: 210046
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 7.8 7.2 10.8



#71
Phenanthrene
Concen: 15.931 ng
RT: 17.538 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:178 Resp: 179020
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 15.9 13.4 20.2





#72

Anthracene

Concen: 3.691 ng

RT: 17.627 min Scan# 24

Delta R.T. -0.000 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

EO-03-040522

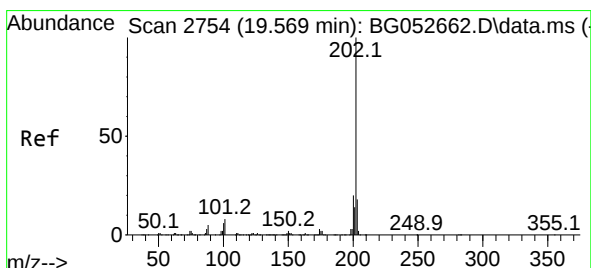
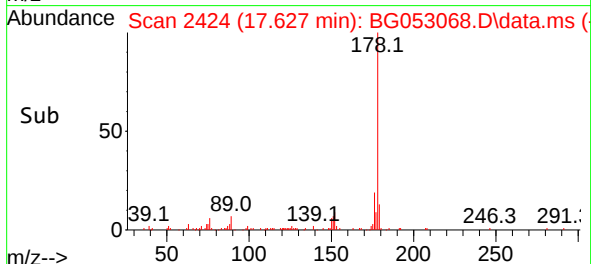
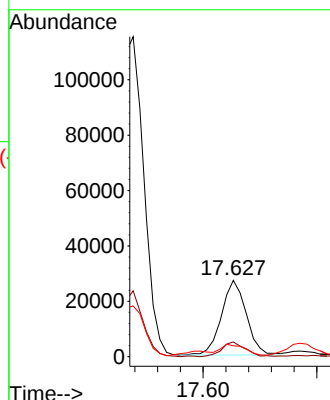
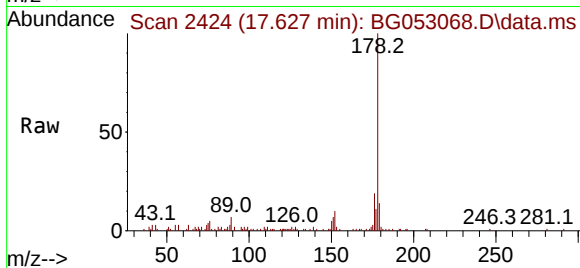
Tgt Ion:178 Resp: 41005

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 14.4 13.2 19.8



#75

Fluoranthene

Concen: 19.033 ng

RT: 19.542 min Scan# 2750

Delta R.T. -0.000 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

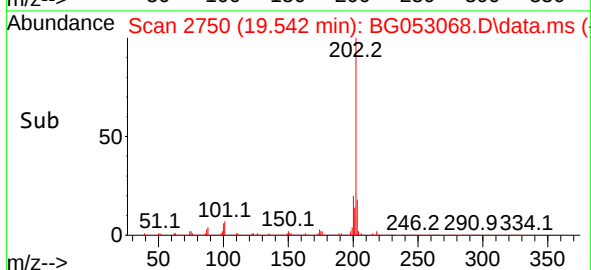
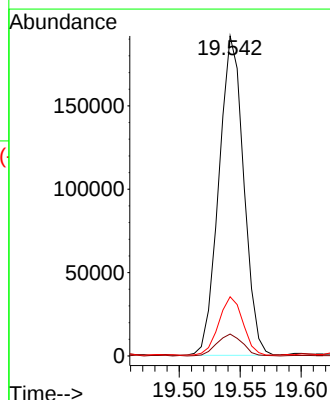
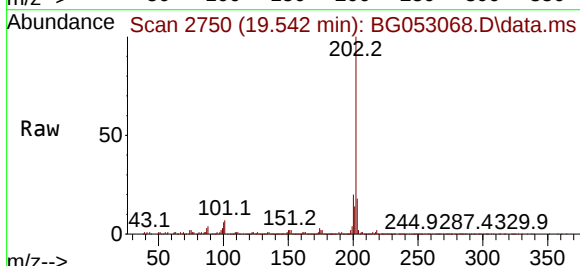
Tgt Ion:202 Resp: 271486

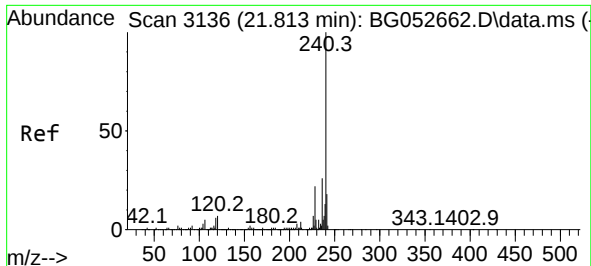
Ion Ratio Lower Upper

202 100

101 6.9 0.0 27.3

203 18.5 0.0 37.7

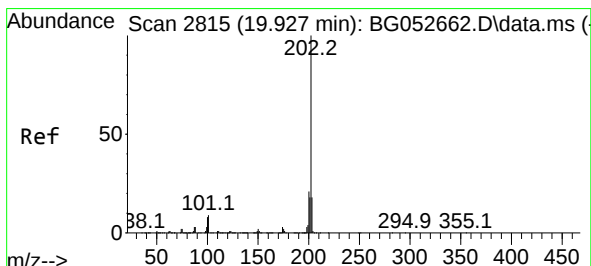
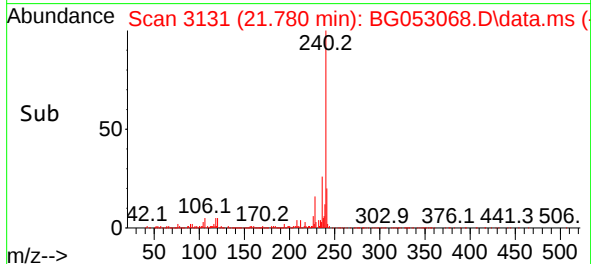
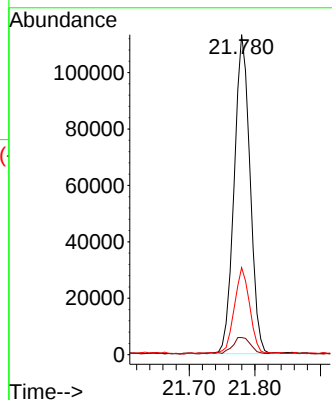
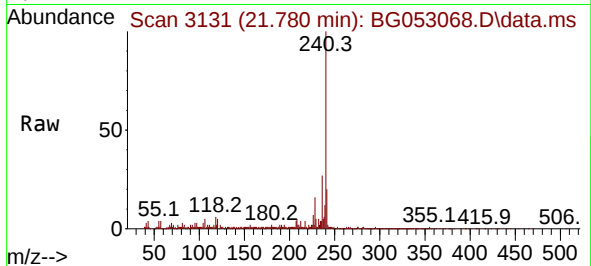




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.780 min Scan# 3136
Delta R.T. -0.000 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

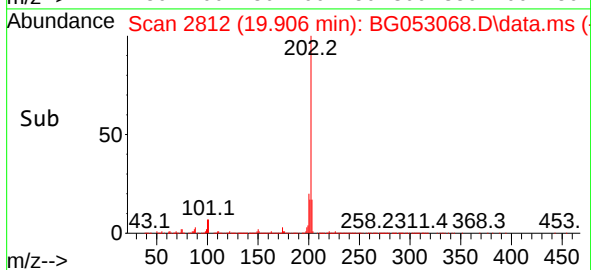
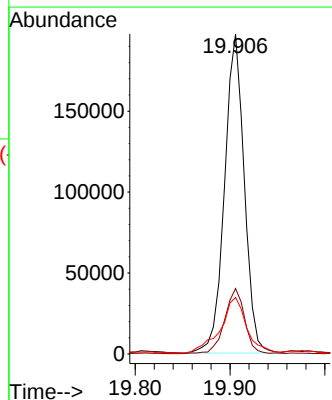
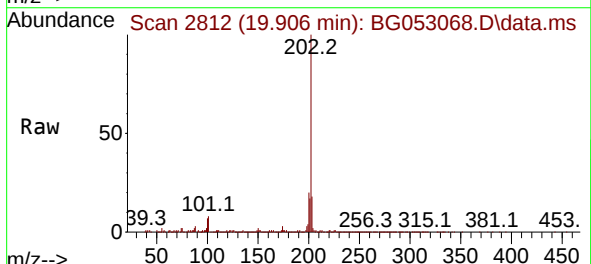
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

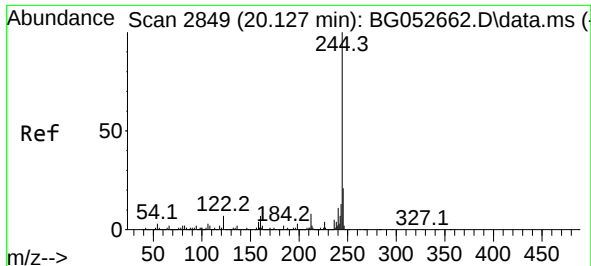
Tgt Ion:240 Resp: 190195
Ion Ratio Lower Upper
240 100
120 5.4 5.4 8.0
236 27.2 19.8 29.6



#78
Pyrene
Concen: 21.571 ng
RT: 19.906 min Scan# 2812
Delta R.T. 0.006 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Tgt Ion:202 Resp: 284587
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.7 15.0 22.6

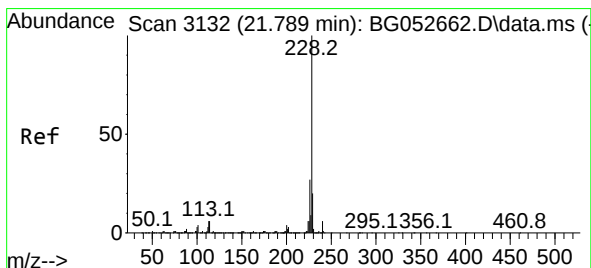
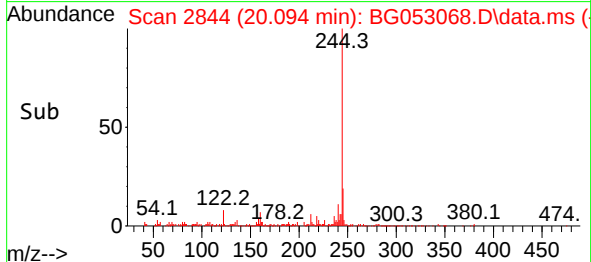
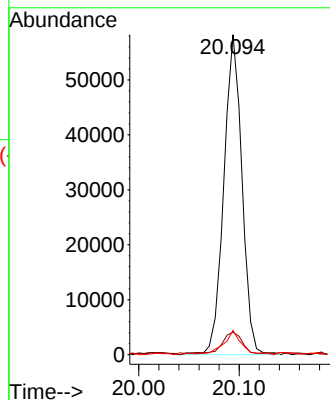
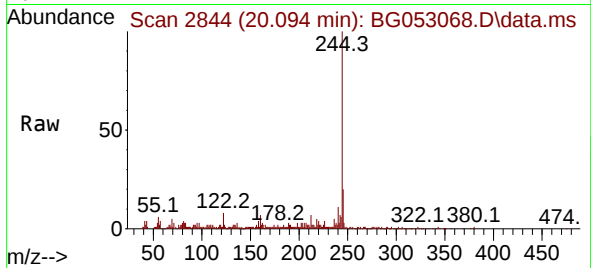




#79
 Terphenyl-d14
 Concen: 6.830 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG053068.D
 Acq: 6 Apr 2022 23:38

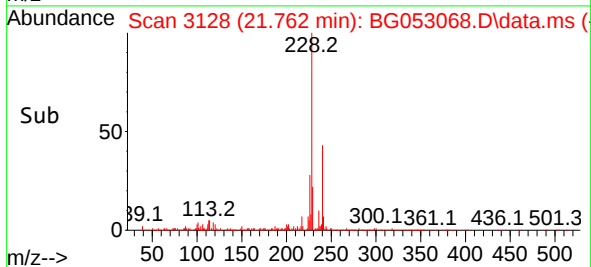
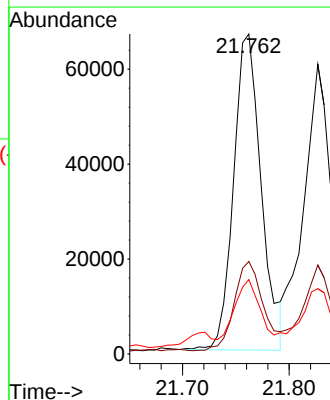
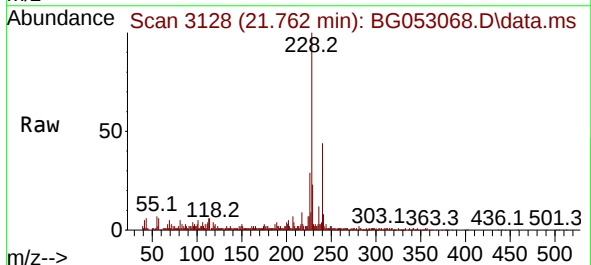
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-040522

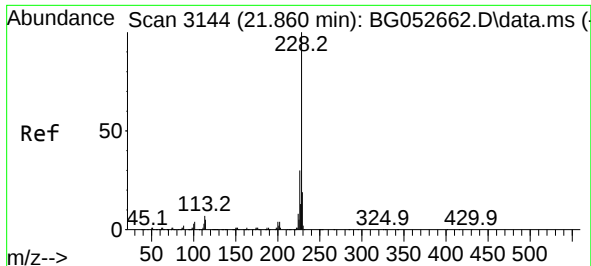
Tgt Ion:244 Resp: 73028
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 7.6 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 9.428 ng
 RT: 21.762 min Scan# 3128
 Delta R.T. 0.006 min
 Lab File: BG053068.D
 Acq: 6 Apr 2022 23:38

Tgt Ion:228 Resp: 120066
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.0
 229 23.2 16.7 25.1





#83

Chrysene

Concen: 9.087 ng

RT: 21.827 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

EO-03-040522

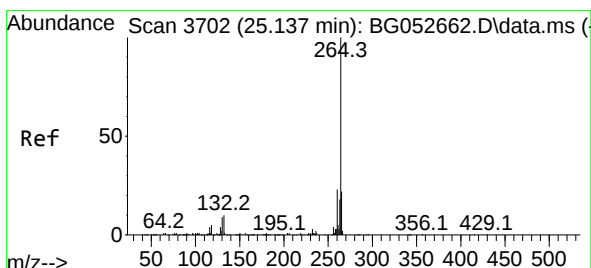
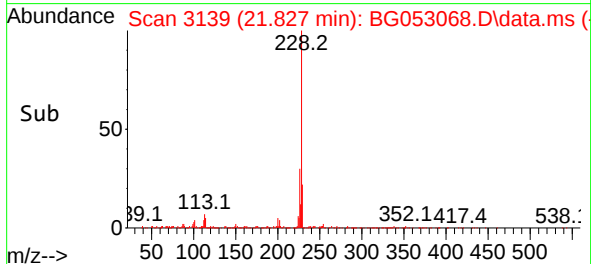
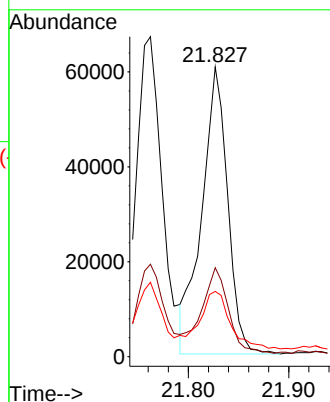
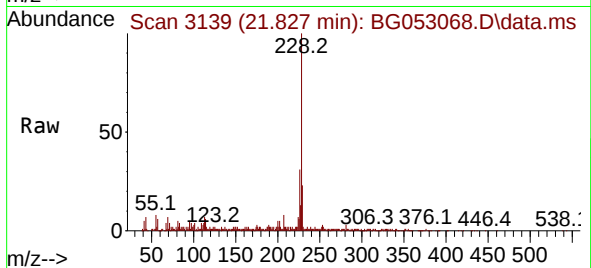
Tgt Ion:228 Resp: 108798

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 22.5 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.099 min Scan# 3696

Delta R.T. 0.017 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

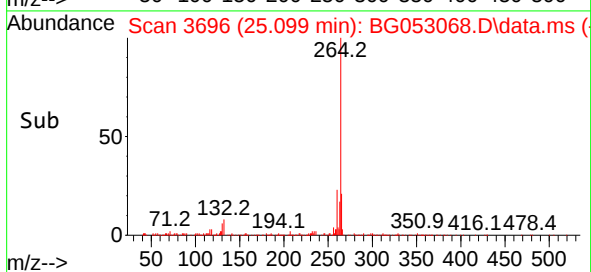
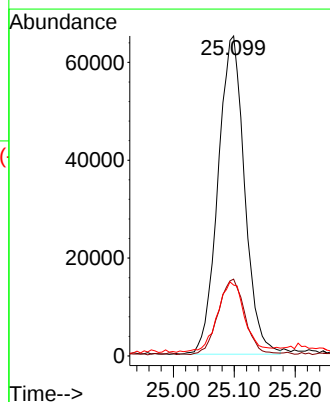
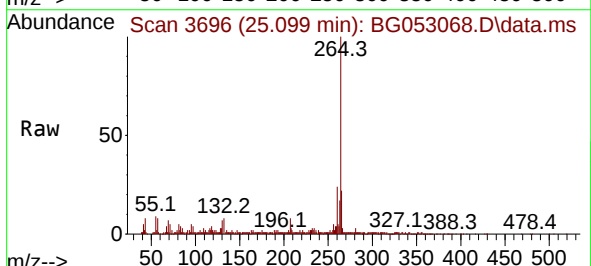
Tgt Ion:264 Resp: 196865

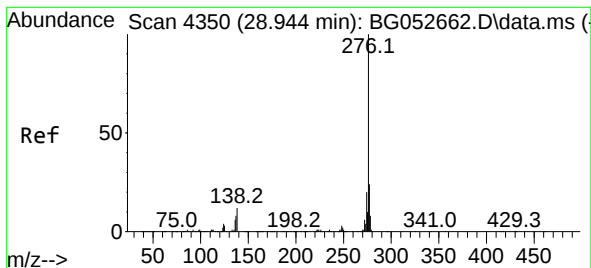
Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 22.2 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.323 ng

RT: 28.882 min Scan# 41

Delta R.T. 0.011 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

Instrument :

BNA_G

ClientSampleId :

EO-03-040522

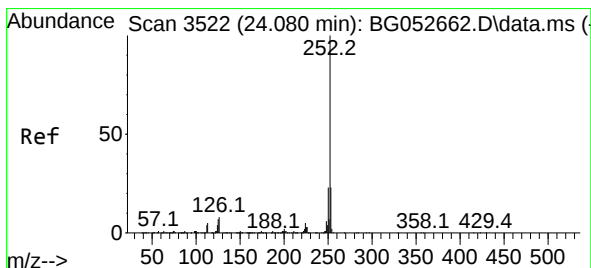
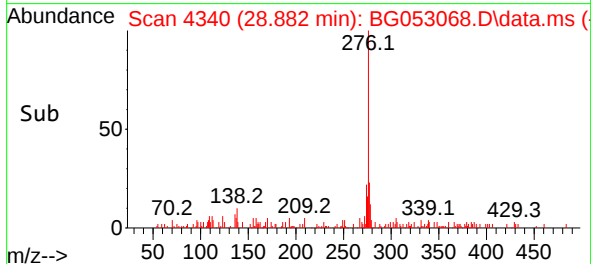
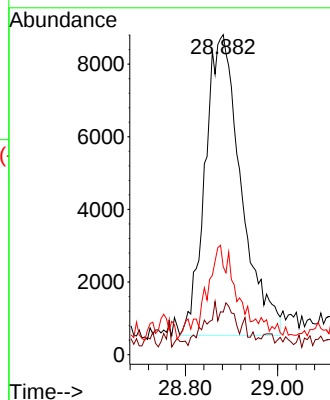
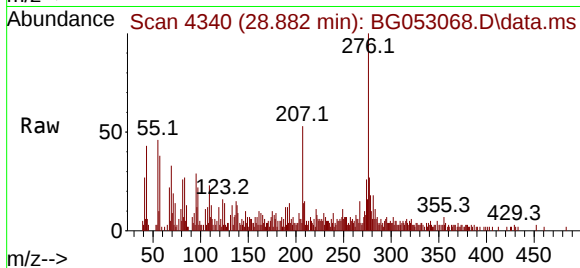
Tgt Ion:276 Resp: 44774

Ion Ratio Lower Upper

276 100

138 3.6 8.7 13.1#

277 17.5 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 9.374 ng

RT: 24.047 min Scan# 3517

Delta R.T. 0.017 min

Lab File: BG053068.D

Acq: 6 Apr 2022 23:38

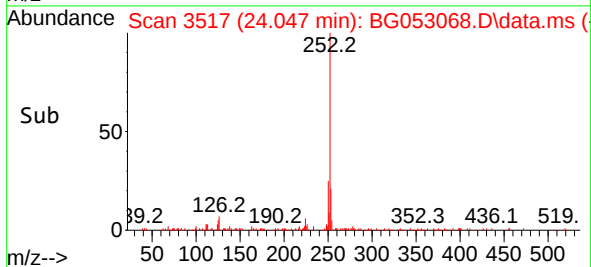
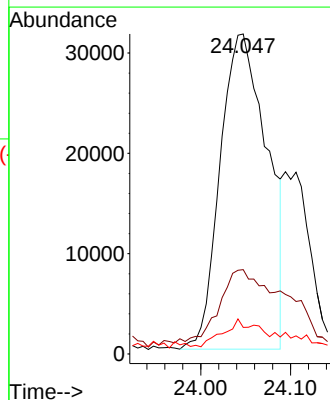
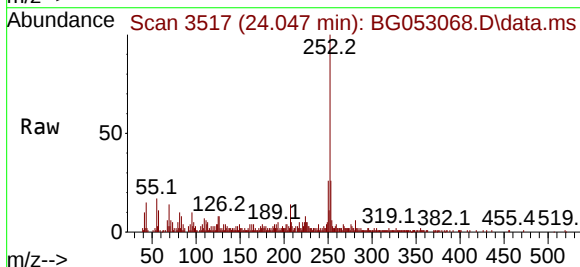
Tgt Ion:252 Resp: 114587

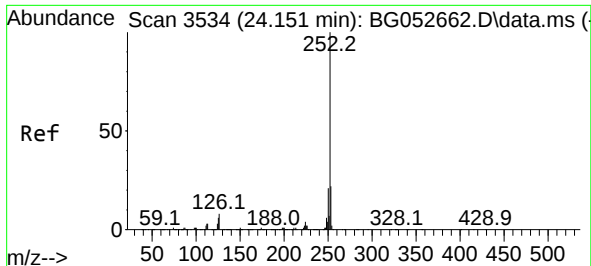
Ion Ratio Lower Upper

252 100

253 26.3 17.2 25.8#

125 8.3 5.2 7.8#

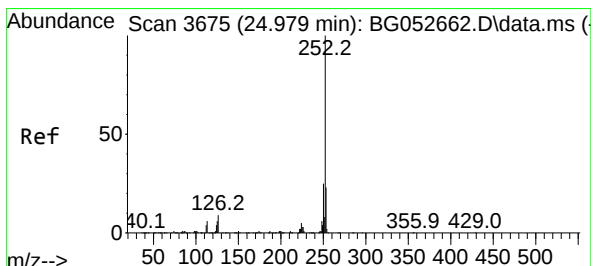
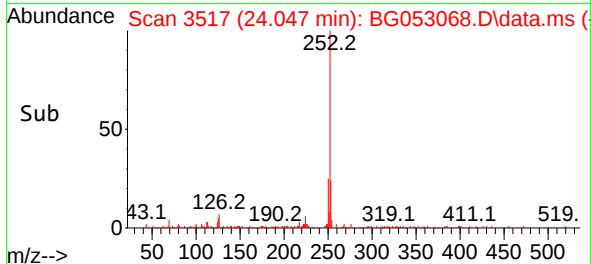
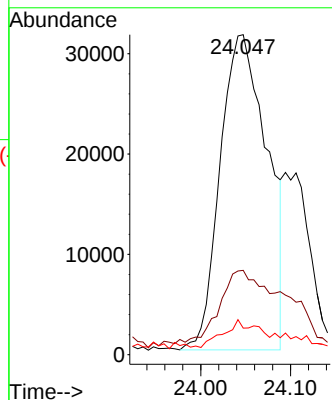
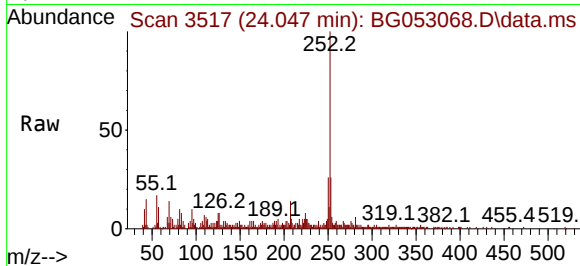




#89
Benzo(k)fluoranthene
Concen: 9.528 ng
RT: 24.047 min Scan# 31
Delta R.T. -0.053 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

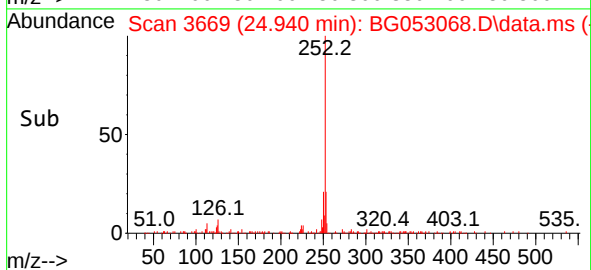
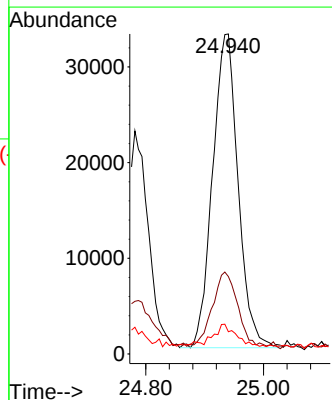
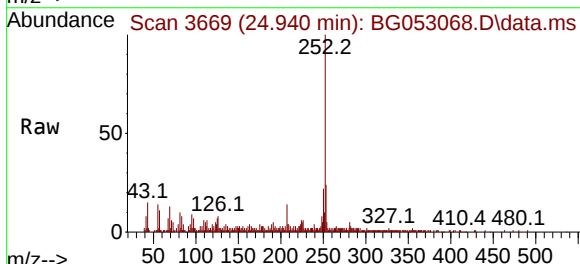
Instrument :
BNA_G
ClientSampleId :
EO-03-040522

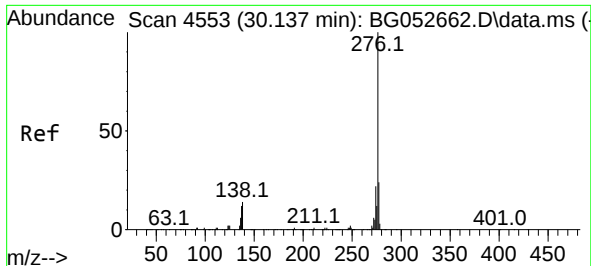
Tgt Ion:252 Resp: 114587
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.0#
125 8.3 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 9.541 ng
RT: 24.940 min Scan# 3669
Delta R.T. 0.011 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

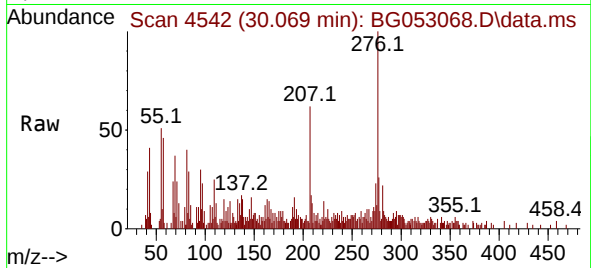
Tgt Ion:252 Resp: 98714
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 7.0 5.6 8.4





#92
Benzo(g,h,i)perylene
Concen: 3.306 ng
RT: 30.069 min Scan# 4
Delta R.T. 0.017 min
Lab File: BG053068.D
Acq: 6 Apr 2022 23:38

Instrument :
BNA_G
ClientSampleId :
EO-03-040522



Tgt Ion:276 Resp: 36318
Ion Ratio Lower Upper
276 100
277 25.6 18.2 27.2
138 15.1 9.1 13.7#

