

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053252.D
 Acq On : 21 Apr 2022 22:03
 Operator : CG/JU
 Sample : N2480-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-4

Quant Time: Apr 22 02:58:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

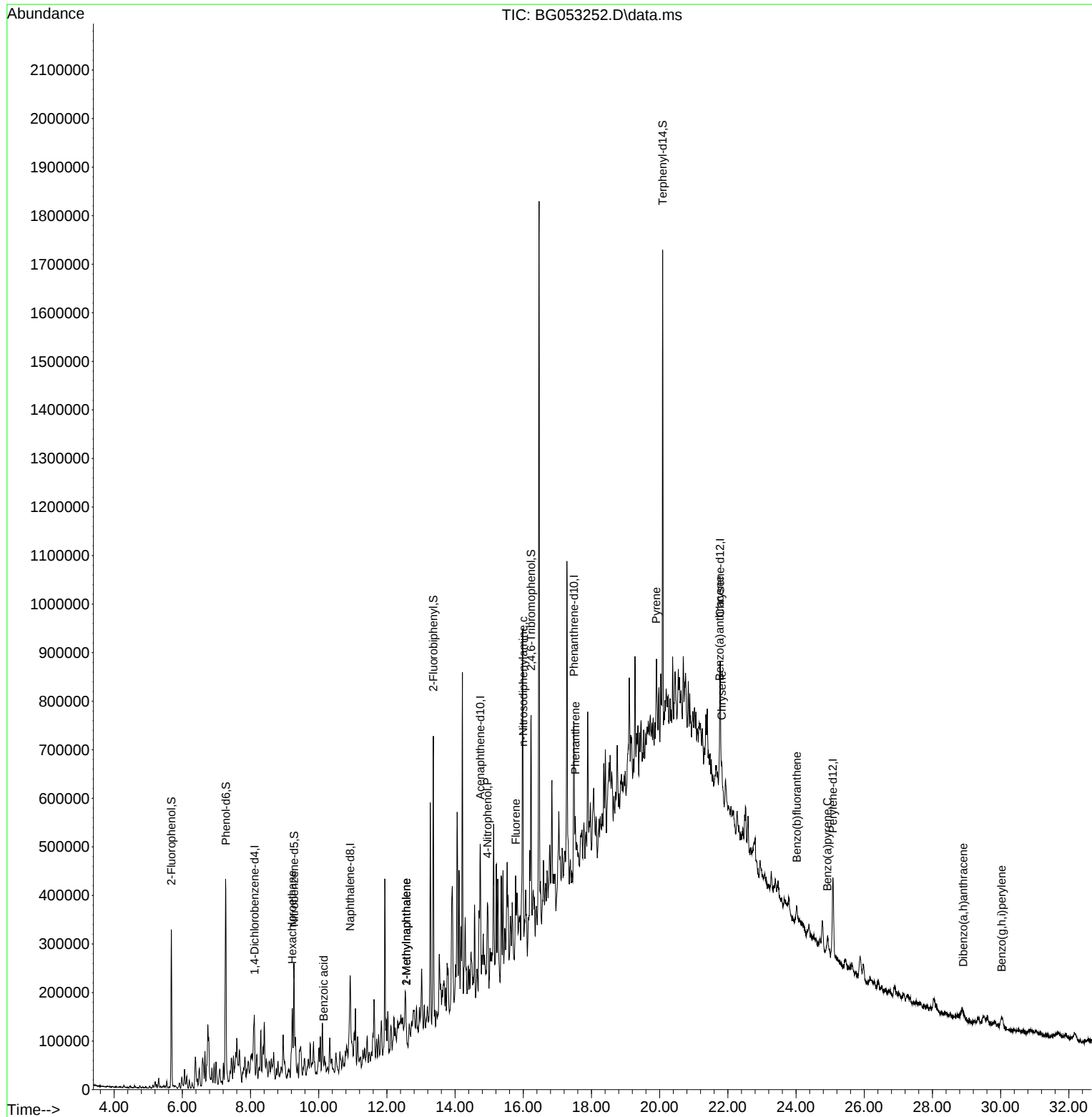
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.116	152	30882	20.000	ng	0.00
21) Naphthalene-d8	10.924	136	122433	20.000	ng	#-0.01
39) Acenaphthene-d10	14.737	164	82053	20.000	ng	-0.01
64) Phenanthrene-d10	17.486	188	166279	20.000	ng	0.00
76) Chrysene-d12	21.774	240	167924	20.000	ng	0.00
86) Perylene-d12	25.082	264	177089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	133099	73.880	ng	0.00
7) Phenol-d6	7.276	99	195405	70.335	ng	0.00
23) Nitrobenzene-d5	9.280	82	139700	46.330	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	86181	66.017	ng	0.00
45) 2-Fluorobiphenyl	13.362	172	307196	51.624	ng	0.00
79) Terphenyl-d14	20.088	244	453839	45.645	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.227	117	7264	8.407	ng	# 1
32) Benzoic acid	10.149	122	1232	4.625	ng	94
37) 2-Methylnaphthalene	12.575	142	11972	2.477	ng	# 83
38) 1-Methylnaphthalene	12.575	142	11972	2.538	ng	91
56) 4-Nitrophenol	14.948	139	9168	8.303	ng	# 49
58) Fluorene	15.782	166	22606	3.572	ng	# 92
66) n-Nitrosodiphenylamine	15.994	169	30280	6.333	ng	# 44
71) Phenanthrene	17.527	178	66906	7.367	ng	# 92
78) Pyrene	19.900	202	69511	5.812	ng	# 92
81) Benzo(a)anthracene	21.757	228	47556	4.142	ng	# 69
83) Chrysene	21.821	228	70223	6.590	ng	# 77
88) Benzo(b)fluoranthene	24.024	252	30285	2.710	ng	# 69
90) Benzo(a)pyrene	24.923	252	41825	4.394	ng	# 85
91) Dibenzo(a,h)anthracene	28.906	278	25789	2.382	ng	# 82
92) Benzo(g,h,i)perylene	30.034	276	47969	4.494	ng	96

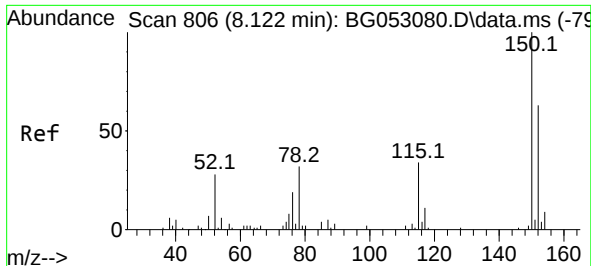
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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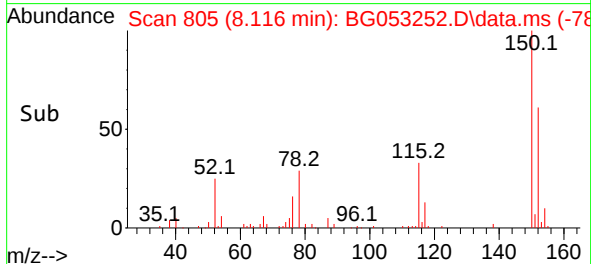
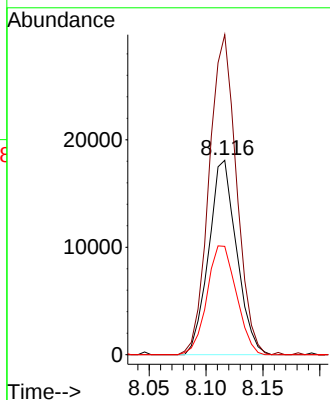
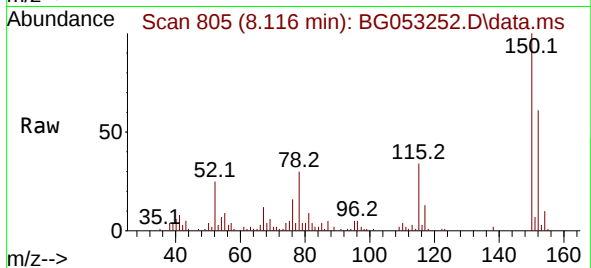




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.116 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

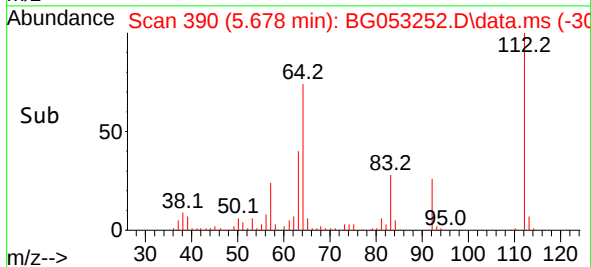
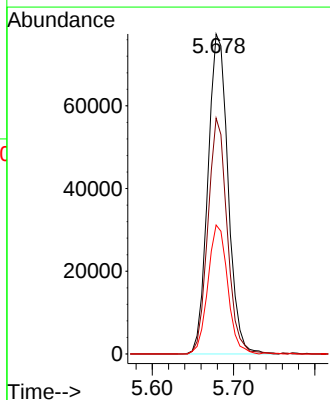
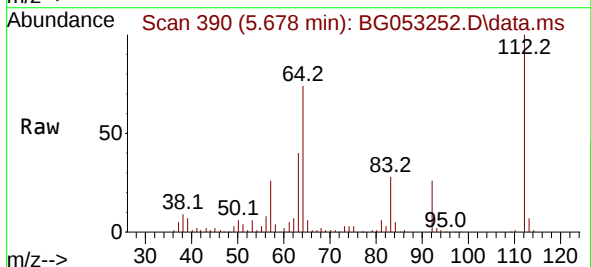
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

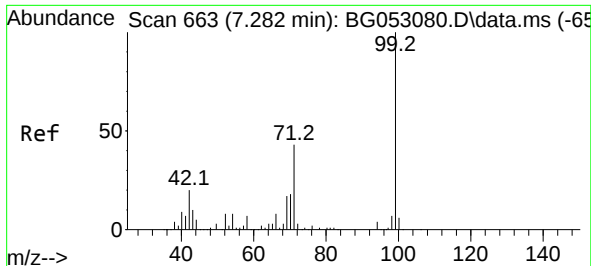
Tgt Ion:152 Resp: 30882
Ion Ratio Lower Upper
152 100
150 164.6 114.6 172.0
115 55.7 45.9 68.9



#5
2-Fluorophenol
Concen: 73.880 ng
RT: 5.678 min Scan# 390
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:112 Resp: 133099
Ion Ratio Lower Upper
112 100
64 73.7 48.0 72.0#
63 40.3 26.5 39.7#

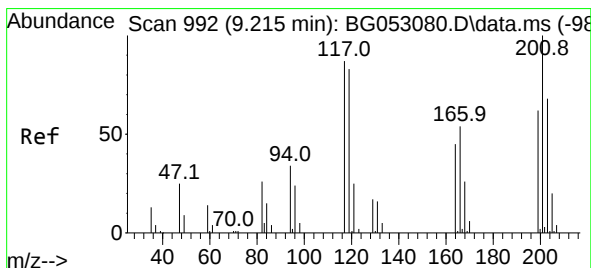
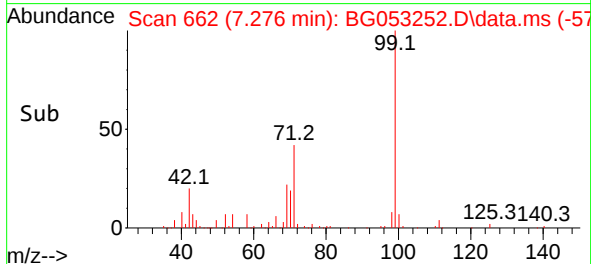
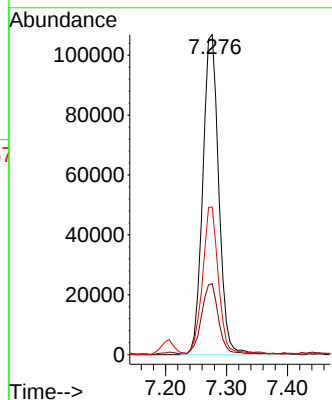
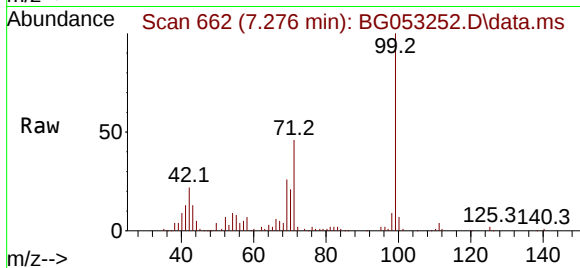




#7
Phenol-d6
Concen: 70.335 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

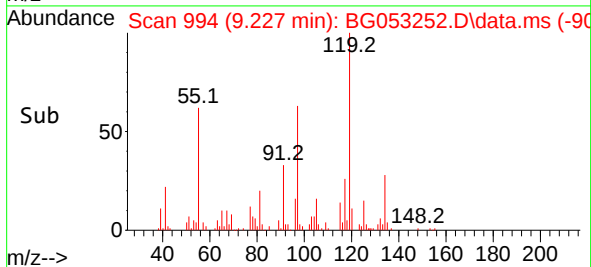
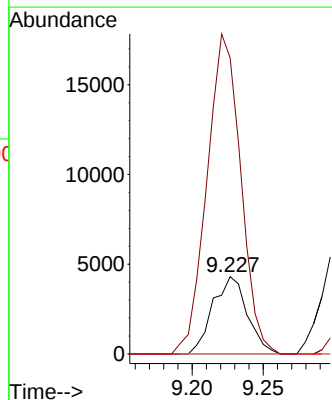
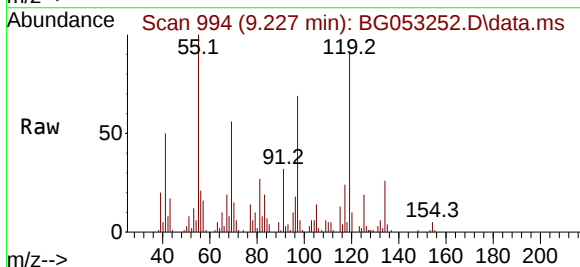
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

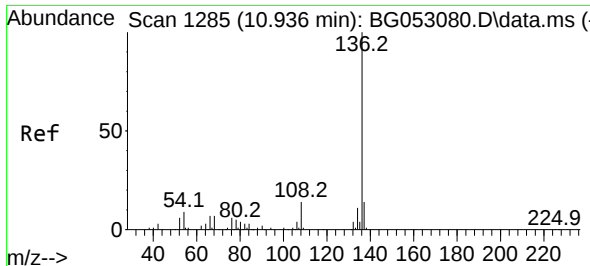
Tgt Ion: 99 Resp: 195405
Ion Ratio Lower Upper
99 100
42 22.2 14.7 22.1#
71 46.2 29.2 43.8#



#18
Hexachloroethane
Concen: 8.407 ng
RT: 9.227 min Scan# 994
Delta R.T. 0.012 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion: 117 Resp: 7264
Ion Ratio Lower Upper
117 100
119 382.8 75.1 112.7#
201 0.0 96.6 145.0#

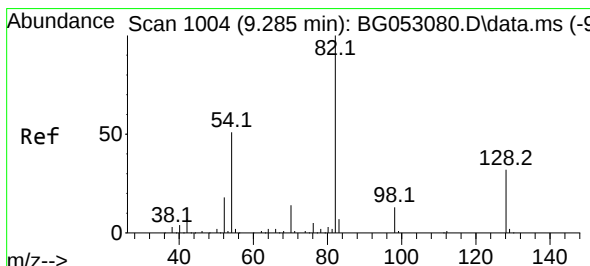
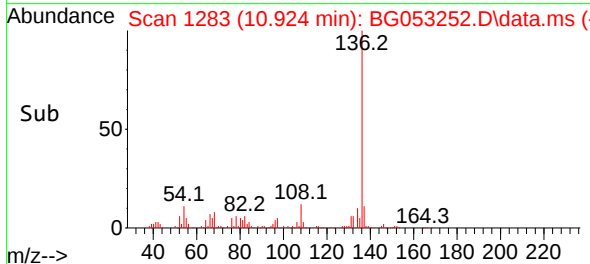
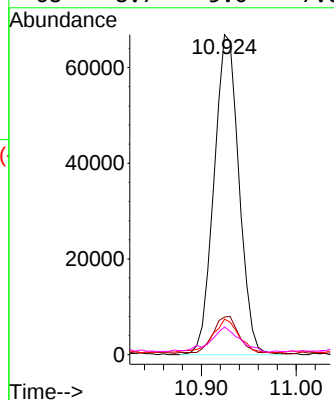
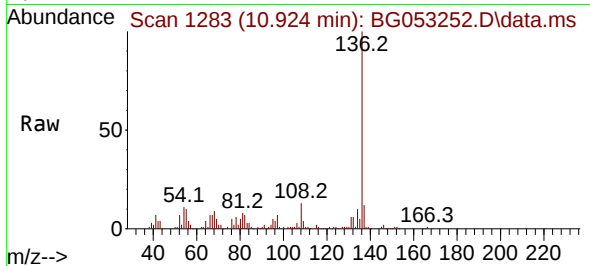




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.924 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

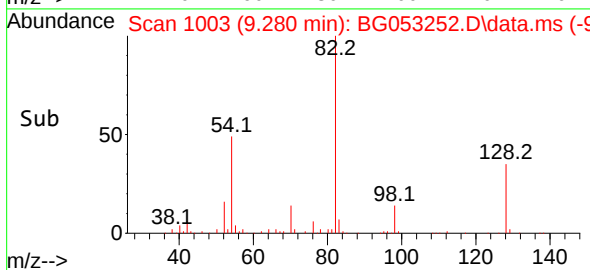
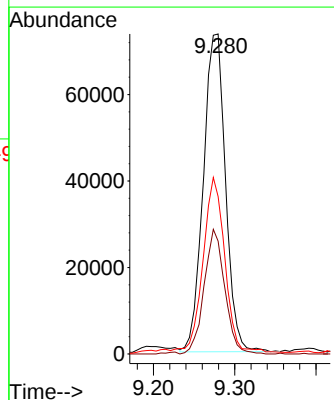
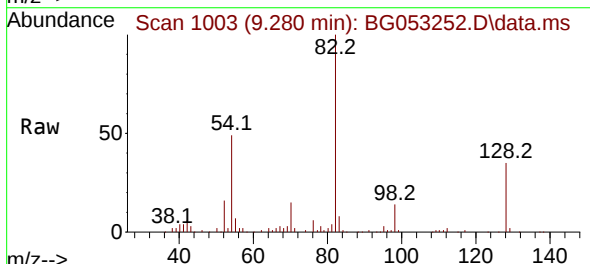
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

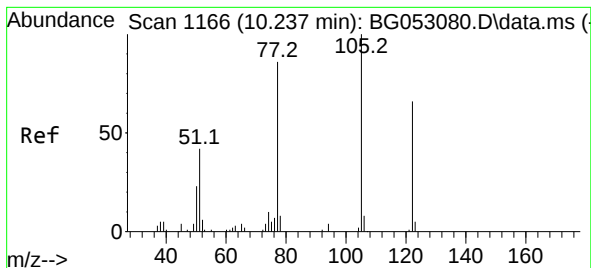
Tgt Ion:	136	Resp:	122433
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.4	14.2
54	11.1	6.4	9.6#
68	8.7	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 46.330 ng
RT: 9.280 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:	82	Resp:	139700
Ion Ratio	Lower	Upper	
82	100		
128	35.3	31.3	46.9
54	49.2	37.8	56.8





#32

Benzoic acid

Concen: 4.625 ng

RT: 10.149 min Scan# 1166

Delta R.T. -0.088 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

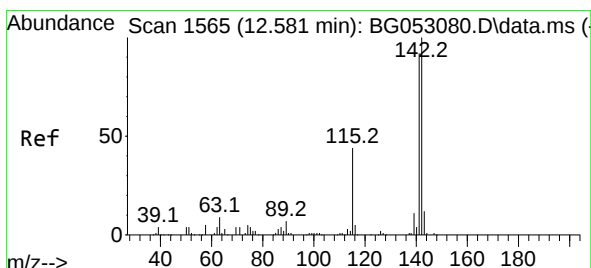
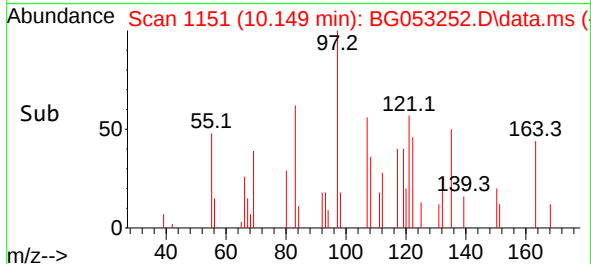
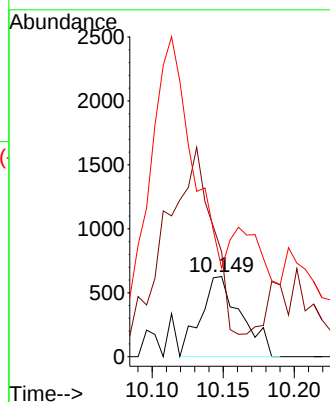
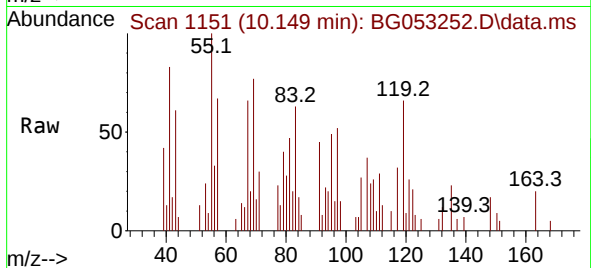
Tgt Ion:122 Resp: 1232

Ion Ratio Lower Upper

122 100

105 130.8 112.8 152.8

77 110.5 78.4 118.4



#37

2-Methylnaphthalene

Concen: 2.477 ng

RT: 12.575 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

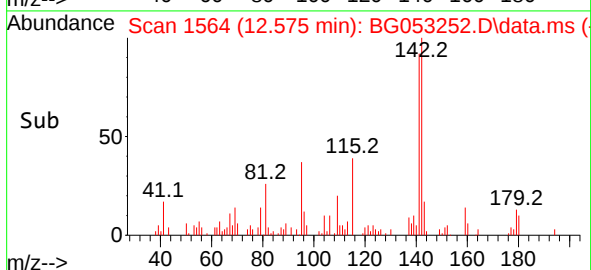
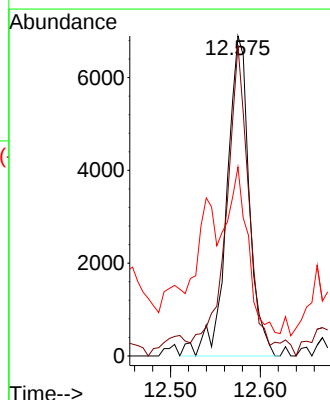
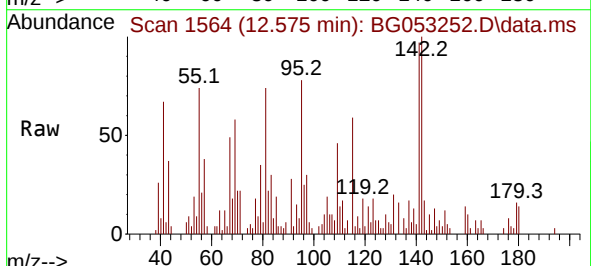
Tgt Ion:142 Resp: 11972

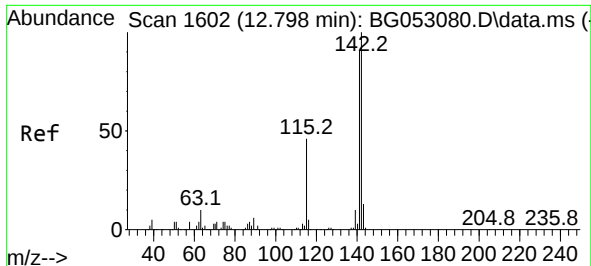
Ion Ratio Lower Upper

142 100

141 97.1 71.3 106.9

115 59.0 29.5 44.3#

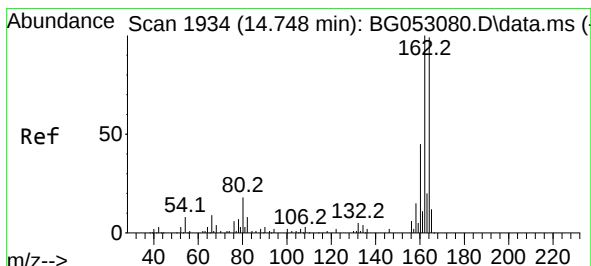
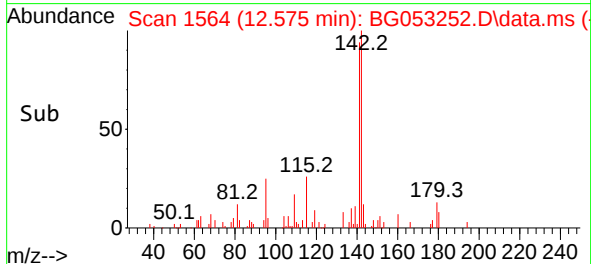
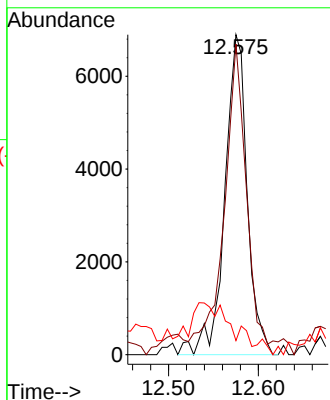
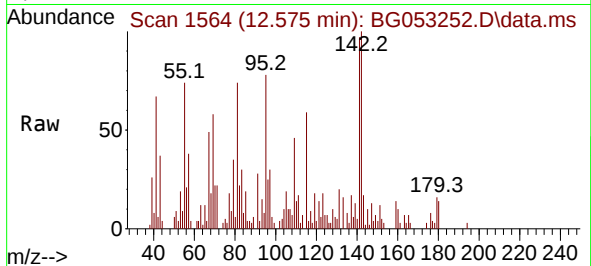




#38
1-Methylnaphthalene
Concen: 2.538 ng
RT: 12.575 min Scan# 11
Delta R.T. -0.223 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

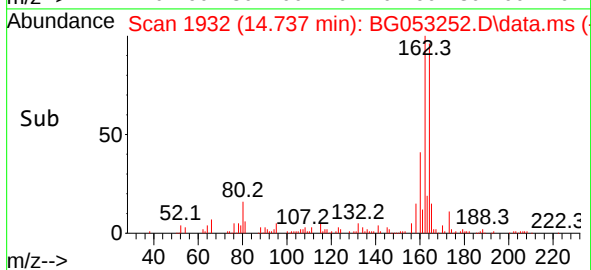
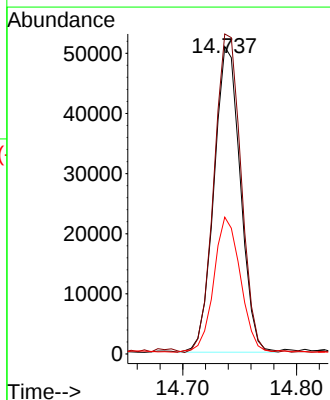
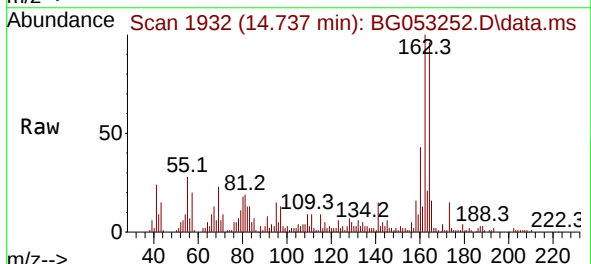
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

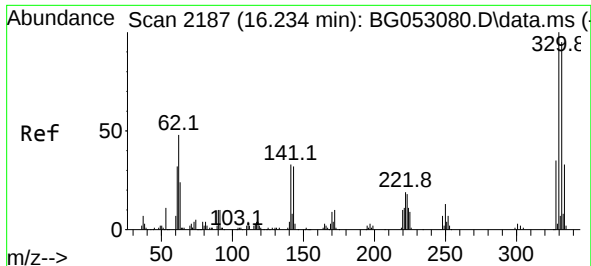
Tgt Ion:142 Resp: 11972
Ion Ratio Lower Upper
142 100
141 97.1 70.5 105.7
116 4.4 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. -0.011 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:164 Resp: 82053
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 44.5 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 66.017 ng

RT: 16.229 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

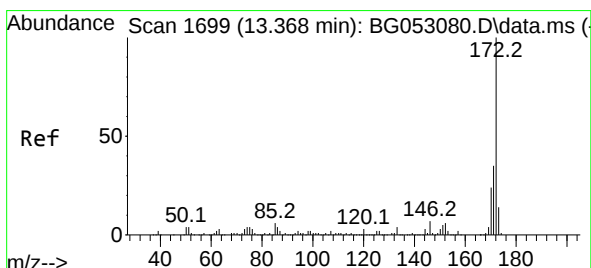
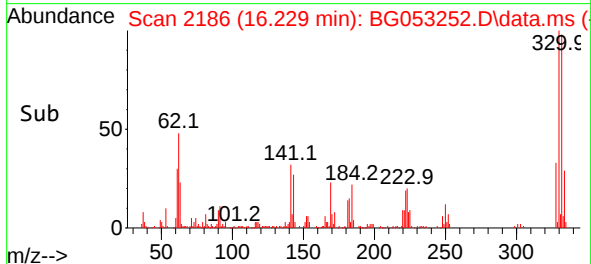
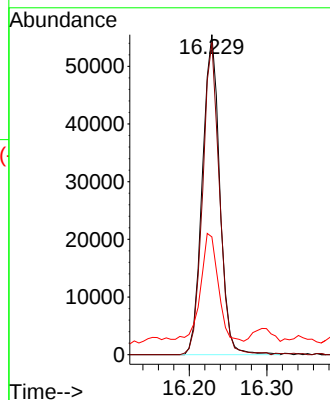
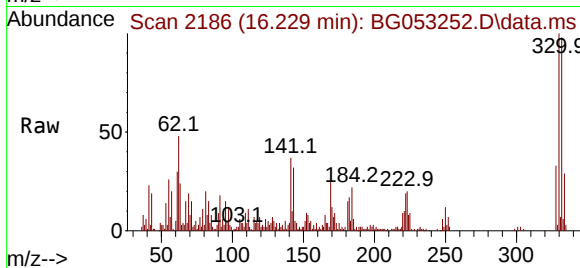
Tgt Ion:330 Resp: 86181

Ion Ratio Lower Upper

330 100

332 93.9 75.8 113.6

141 34.0 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 51.624 ng

RT: 13.362 min Scan# 1698

Delta R.T. -0.005 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

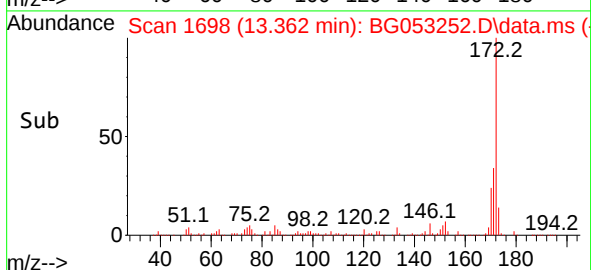
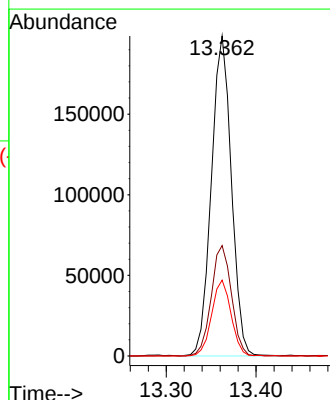
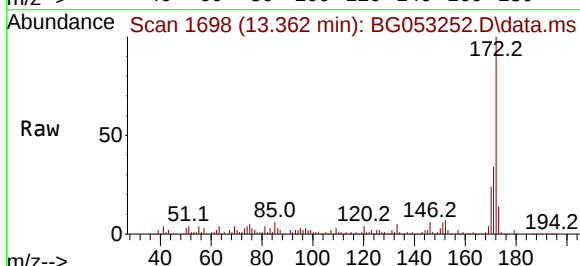
Tgt Ion:172 Resp: 307196

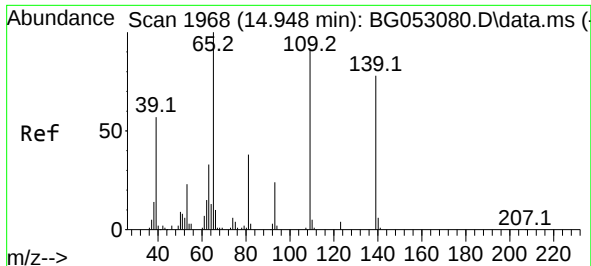
Ion Ratio Lower Upper

172 100

171 34.5 28.3 42.5

170 23.7 18.0 27.0

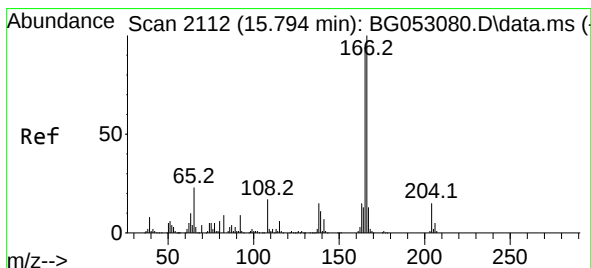
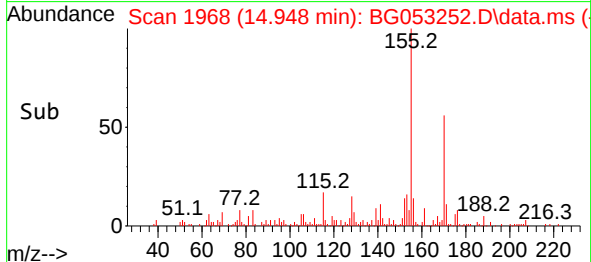
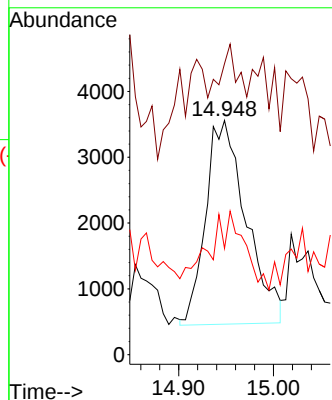
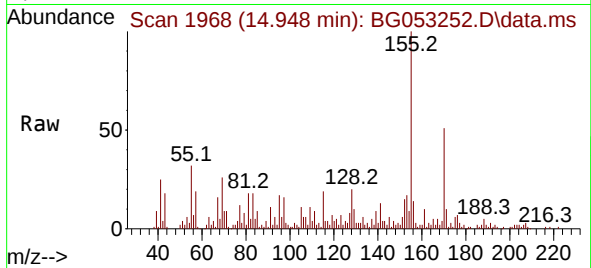




#56
4-Nitrophenol
Concen: 8.303 ng
RT: 14.948 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

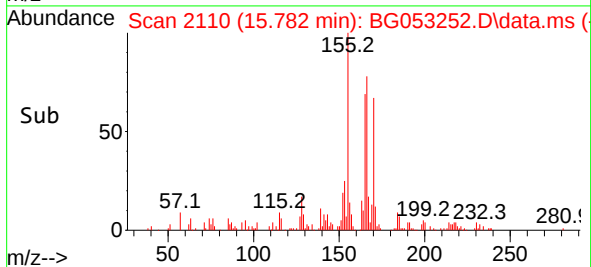
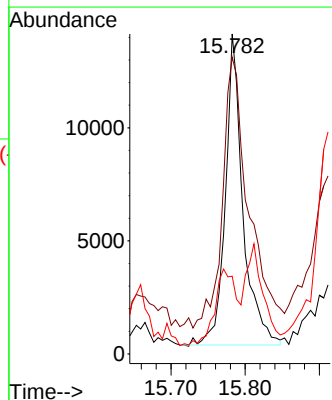
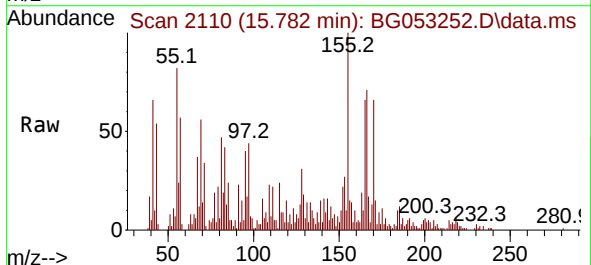
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

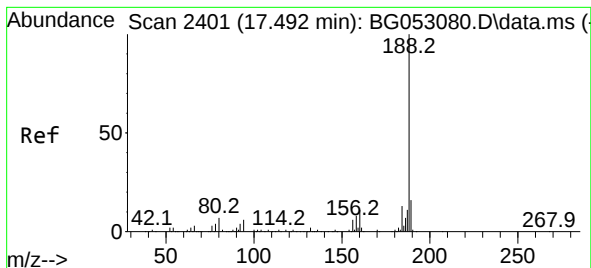
Tgt Ion:139 Resp: 9168
Ion Ratio Lower Upper
139 100
109 124.3 67.1 107.1#
65 45.4 88.2 128.2#



#58
Fluorene
Concen: 3.572 ng
RT: 15.782 min Scan# 2110
Delta R.T. -0.011 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:166 Resp: 22606
Ion Ratio Lower Upper
166 100
165 92.7 78.6 117.8
167 24.3 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.486 min Scan# 2401

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

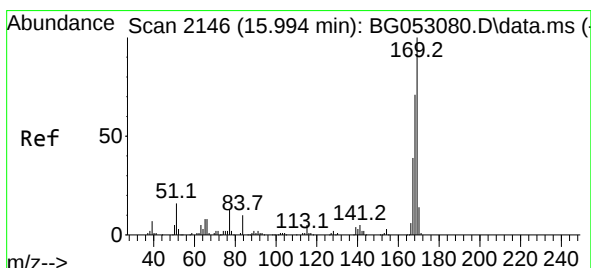
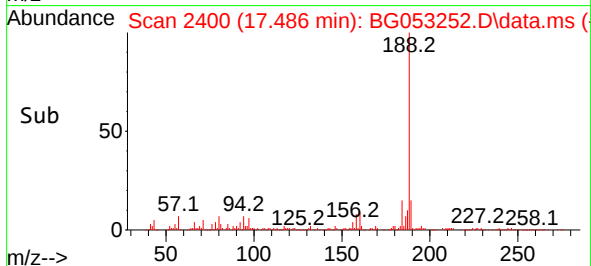
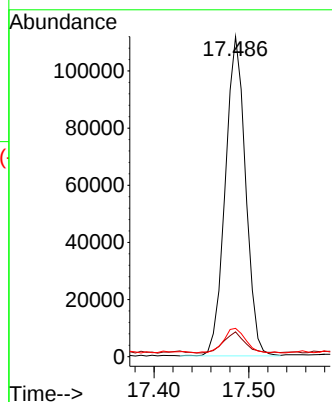
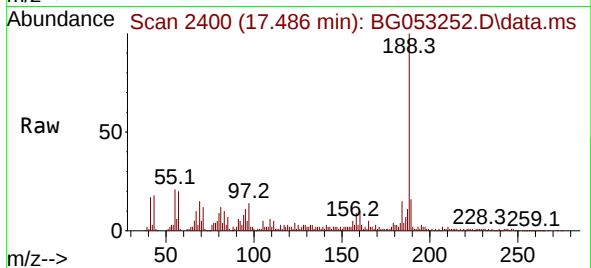
Tgt Ion:188 Resp: 166279

Ion Ratio Lower Upper

188 100

94 7.8 5.7 8.5

80 8.8 7.2 10.8



#66

n-Nitrosodiphenylamine

Concen: 6.333 ng

RT: 15.994 min Scan# 2146

Delta R.T. 0.000 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

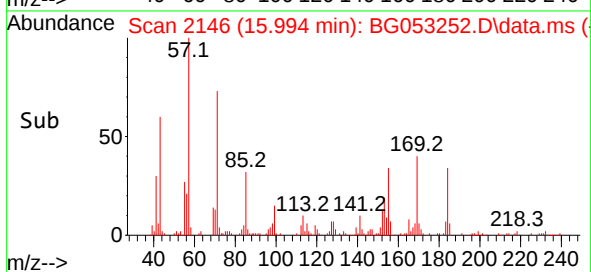
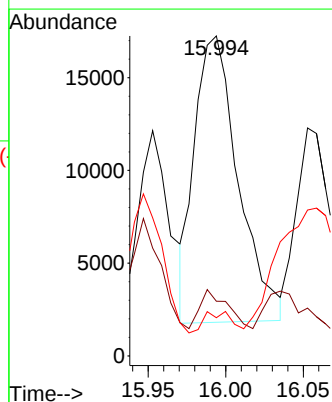
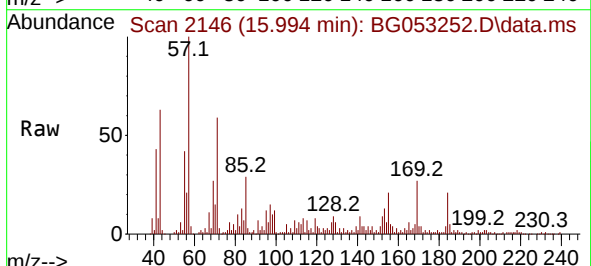
Tgt Ion:169 Resp: 30280

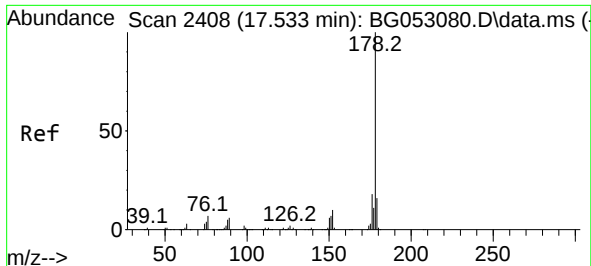
Ion Ratio Lower Upper

169 100

168 17.1 54.5 81.7#

167 11.9 29.6 44.4#

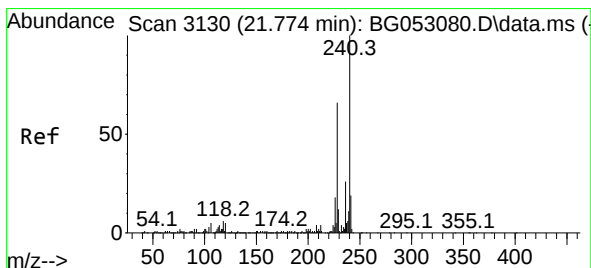
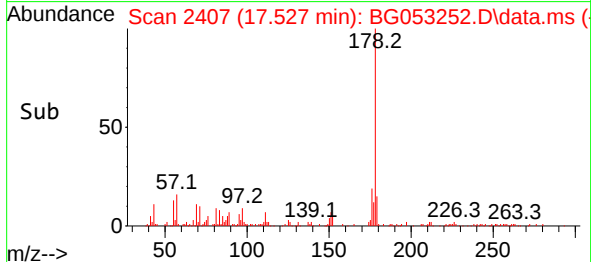
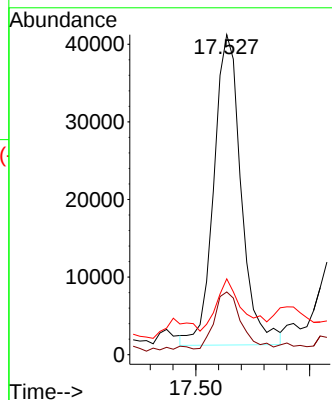
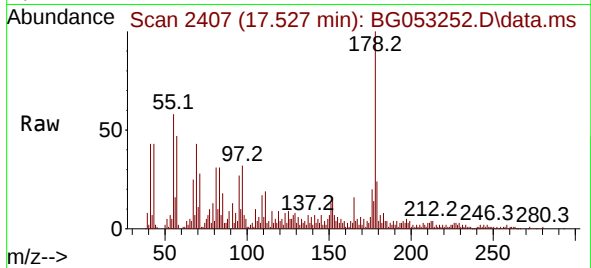




#71
Phenanthrene
Concen: 7.367 ng
RT: 17.527 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

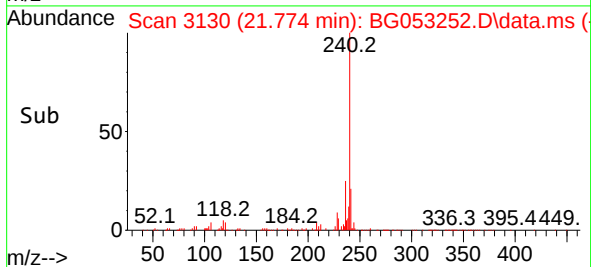
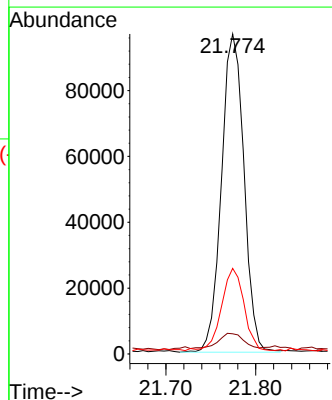
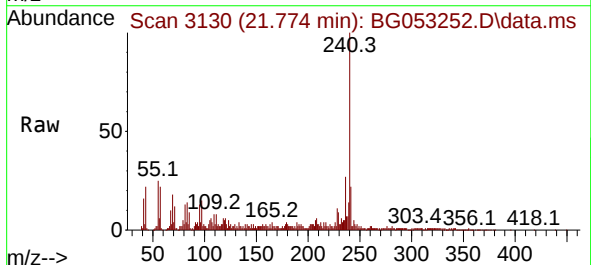
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

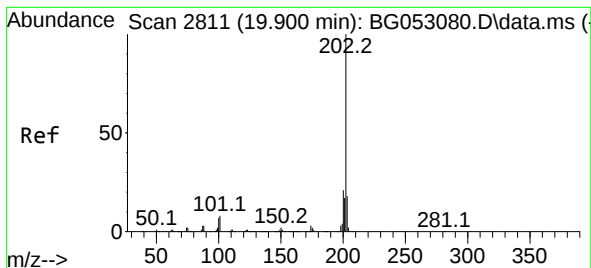
Tgt Ion:178 Resp: 66906
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 23.7 13.4 20.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:240 Resp: 167924
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 26.8 19.8 29.6





#78

Pyrene

Concen: 5.812 ng

RT: 19.900 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

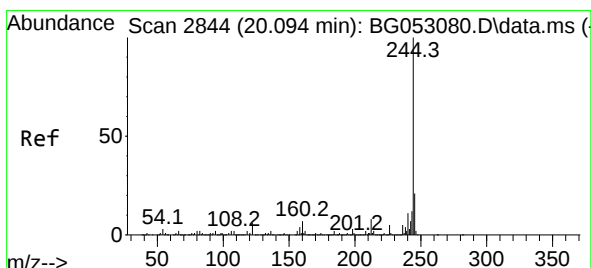
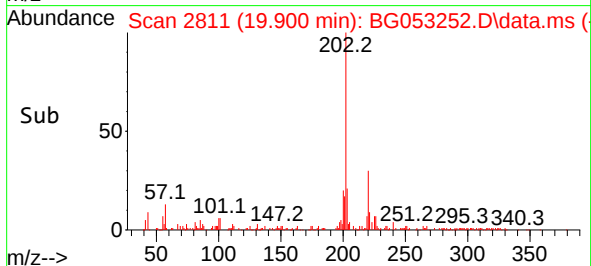
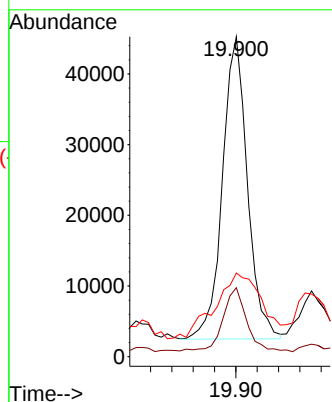
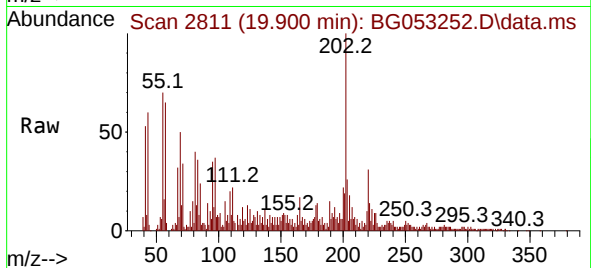
Tgt Ion:202 Resp: 69511

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 26.2 15.0 22.6#



#79

Terphenyl-d14

Concen: 45.645 ng

RT: 20.088 min Scan# 2843

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

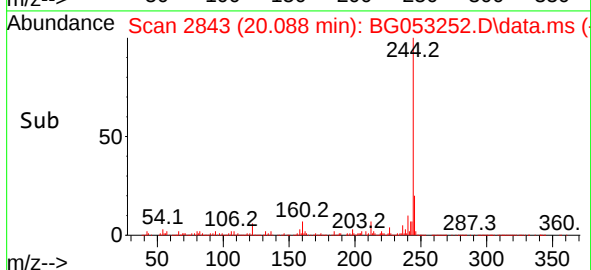
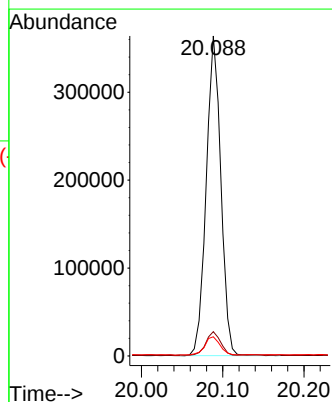
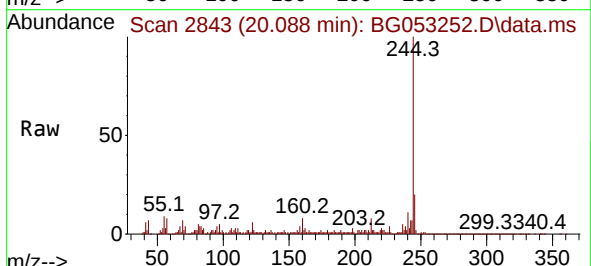
Tgt Ion:244 Resp: 453839

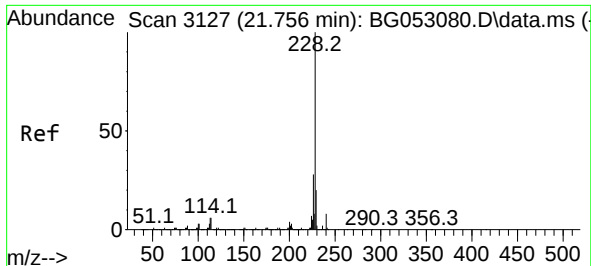
Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.2

122 6.0 5.8 8.6

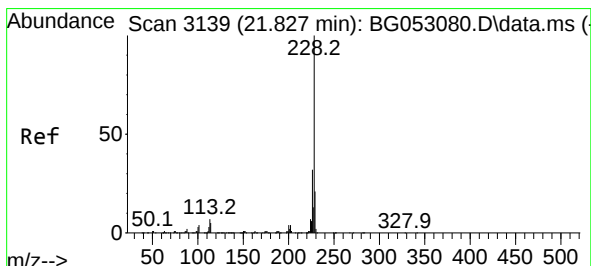
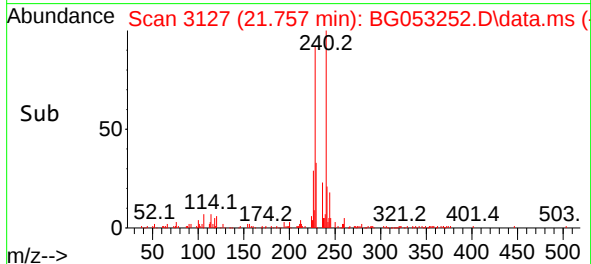
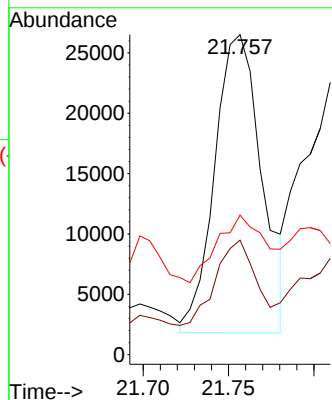
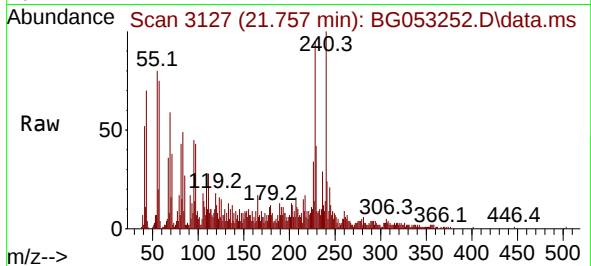




#81
Benzo(a)anthracene
Concen: 4.142 ng
RT: 21.757 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

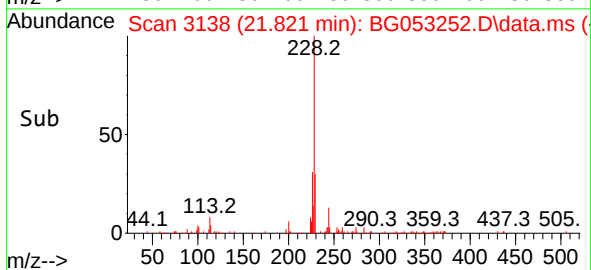
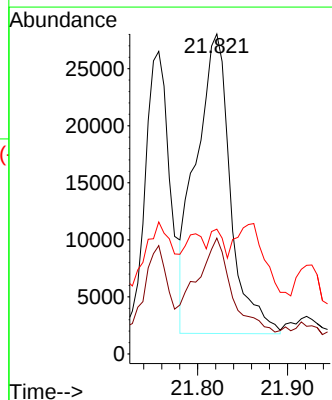
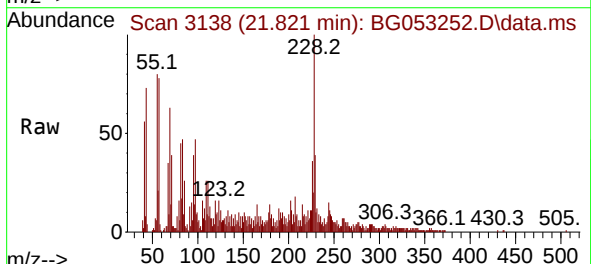
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

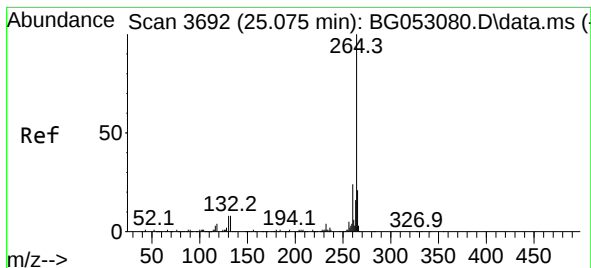
Tgt Ion:228 Resp: 47556
Ion Ratio Lower Upper
228 100
226 35.8 21.4 32.0#
229 43.6 16.7 25.1#



#83
Chrysene
Concen: 6.590 ng
RT: 21.821 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:228 Resp: 70223
Ion Ratio Lower Upper
228 100
226 36.2 24.2 36.4
229 39.0 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.082 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

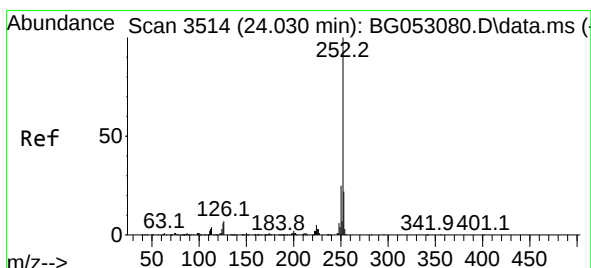
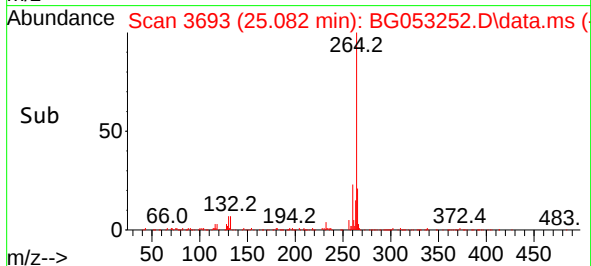
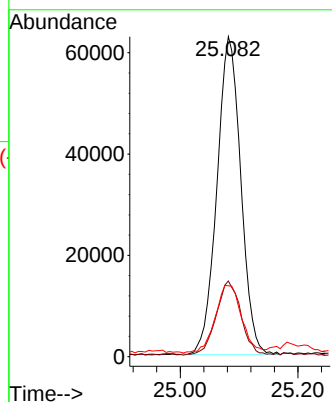
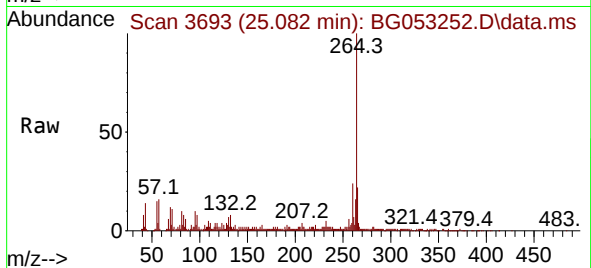
Tgt Ion:264 Resp: 177089

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

265 22.1 15.1 22.7



#88

Benzo(b)fluoranthene

Concen: 2.710 ng

RT: 24.024 min Scan# 3513

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

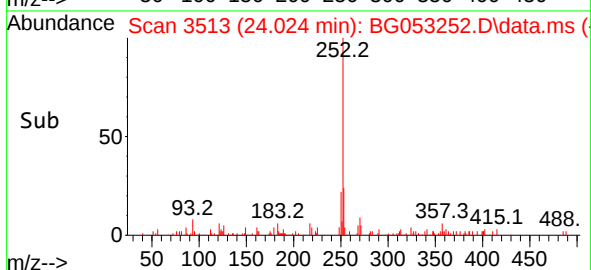
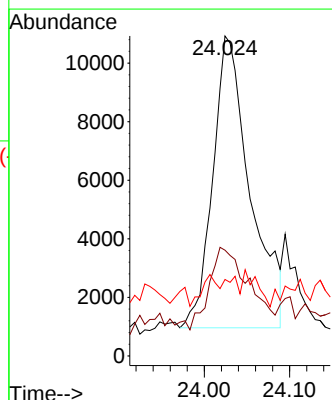
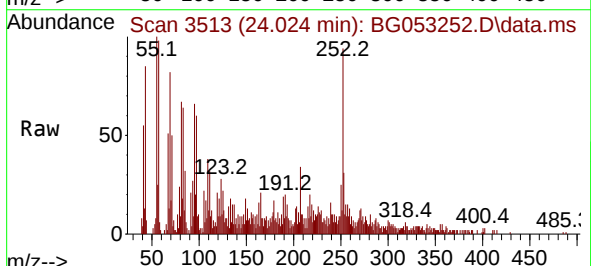
Tgt Ion:252 Resp: 30285

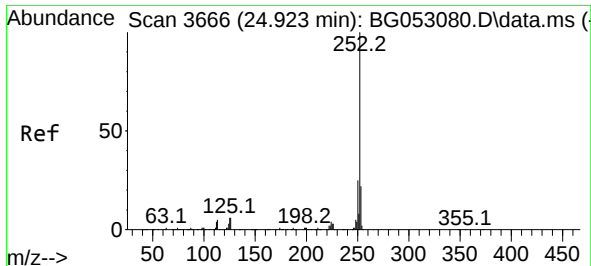
Ion Ratio Lower Upper

252 100

253 33.0 17.2 25.8#

125 23.9 5.2 7.8#

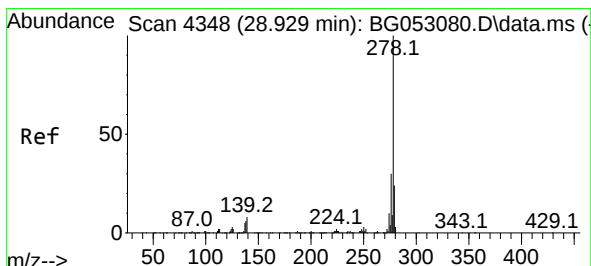
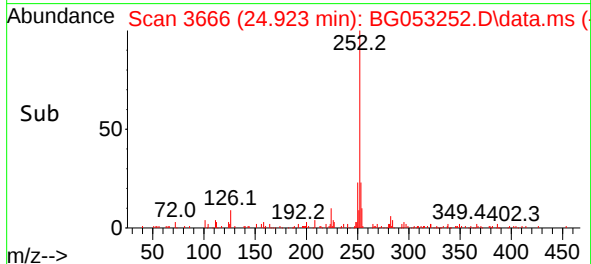
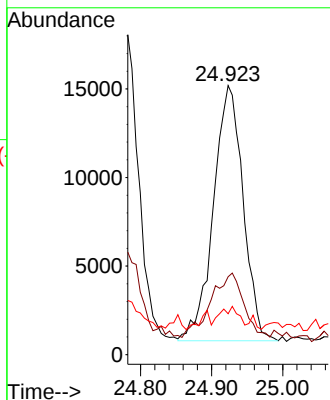
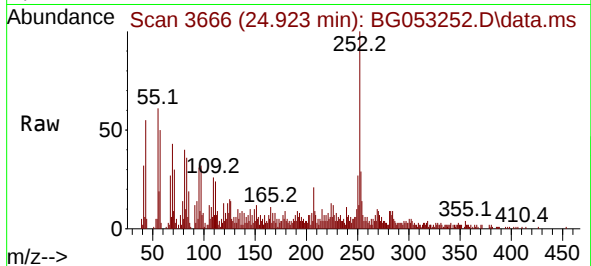




#90
Benzo(a)pyrene
Concen: 4.394 ng
RT: 24.923 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

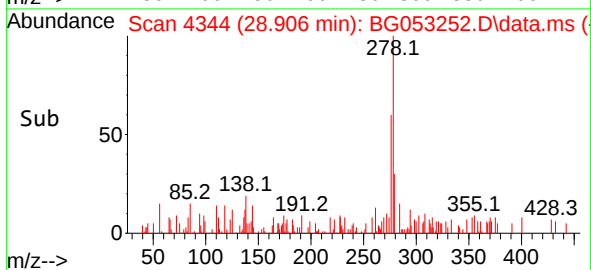
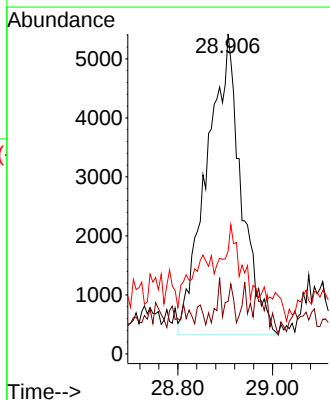
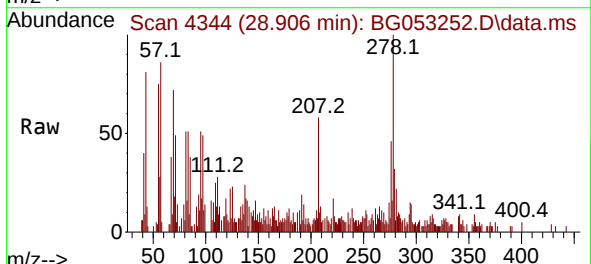
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

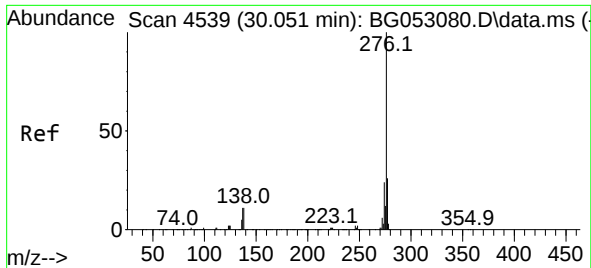
Tgt Ion:252 Resp: 41825
Ion Ratio Lower Upper
252 100
253 29.0 18.4 27.6#
125 15.2 5.6 8.4#



#91
Dibenzo(a,h)anthracene
Concen: 2.382 ng
RT: 28.906 min Scan# 4344
Delta R.T. -0.023 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

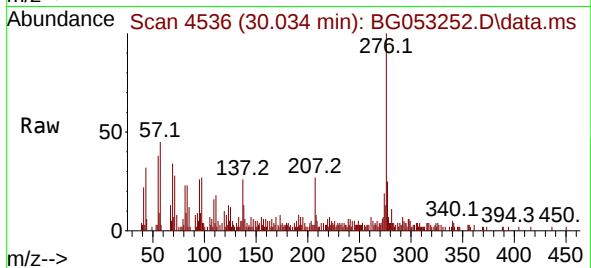
Tgt Ion:278 Resp: 25789
Ion Ratio Lower Upper
278 100
139 16.4 7.8 11.6#
279 32.1 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 4.494 ng
 RT: 30.034 min Scan# 4
 Delta R.T. -0.017 min
 Lab File: BG053252.D
 Acq: 21 Apr 2022 22:03

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-4



Tgt Ion:	276	Resp:	47969
Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.2	27.2
138	12.9	9.1	13.7

