

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053293.D
 Acq On : 23 Apr 2022 15:04
 Operator : CG/JU
 Sample : N2514-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-5

Quant Time: Apr 24 02:49:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

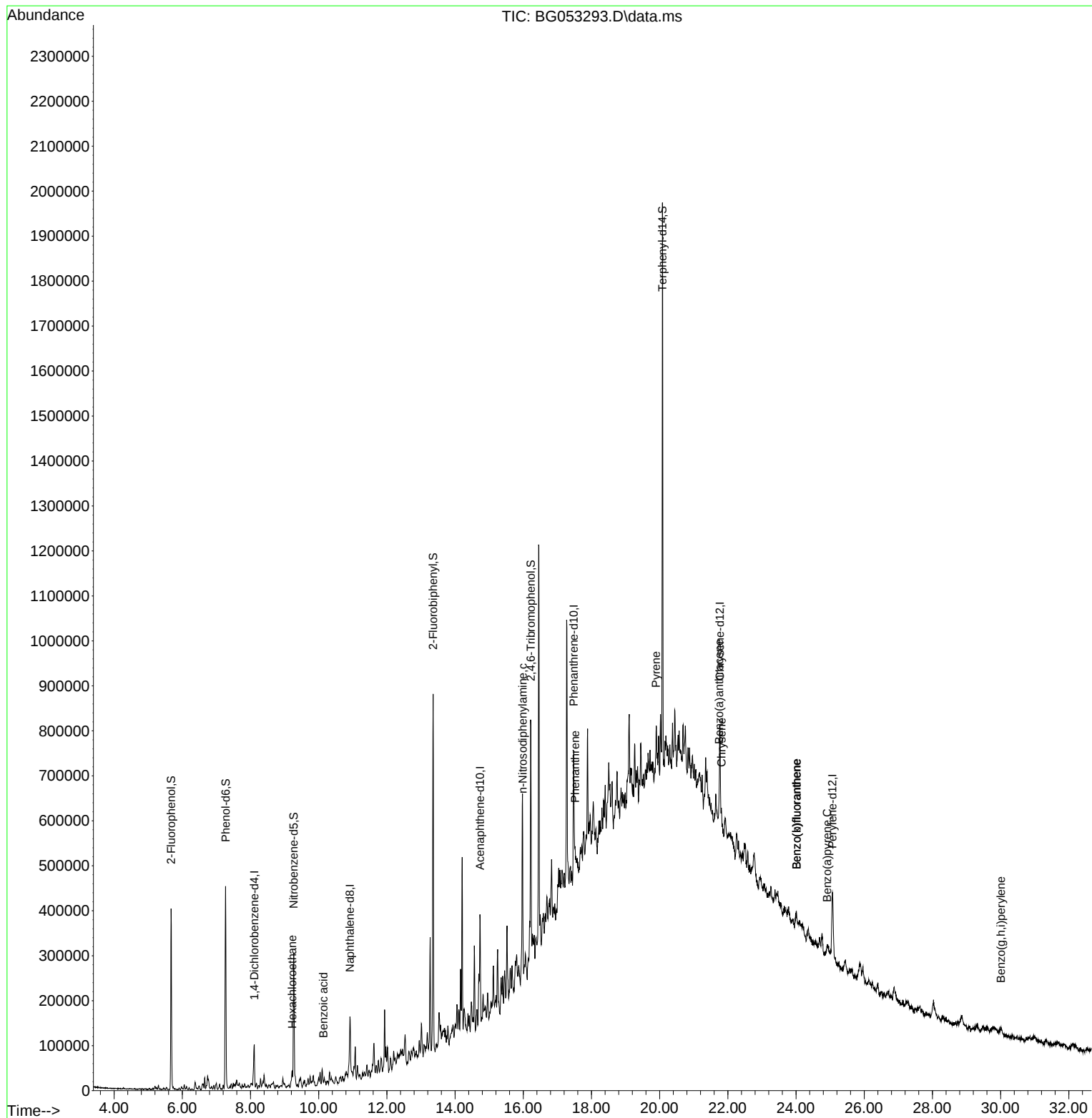
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	26945	20.000	ng	0.00
21) Naphthalene-d8	10.919	136	106501	20.000	ng	# 0.00
39) Acenaphthene-d10	14.731	164	71241	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	144266	20.000	ng	# 0.00
76) Chrysene-d12	21.763	240	144321	20.000	ng	0.00
86) Perylene-d12	25.064	264	152448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	168071	106.923	ng	0.00
7) Phenol-d6	7.271	99	249476	102.919	ng	0.00
23) Nitrobenzene-d5	9.268	82	185710	70.802	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	112109	98.913	ng	0.00
45) 2-Fluorobiphenyl	13.356	172	399865	77.396	ng	0.00
79) Terphenyl-d14	20.083	244	604963	70.795	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.227	117	1703	2.259	ng	# 1
32) Benzoic acid	10.143	122	218	3.832	ng	# 44
66) n-Nitrosodiphenylamine	15.982	169	9512	2.293	ng	# 57
71) Phenanthrene	17.521	178	28452	3.611	ng	# 89
78) Pyrene	19.895	202	39213	3.815	ng	# 85
81) Benzo(a)anthracene	21.745	228	26329	2.668	ng	# 70
83) Chrysene	21.816	228	42380	4.628	ng	# 72
88) Benzo(b)fluoranthene	24.019	252	27382	2.847	ng	# 49
89) Benzo(k)fluoranthene	24.019	252	27382	2.897	ng	# 50
90) Benzo(a)pyrene	24.911	252	24772	3.023	ng	# 86
92) Benzo(g,h,i)perylene	30.010	276	30424	3.311	ng	# 93

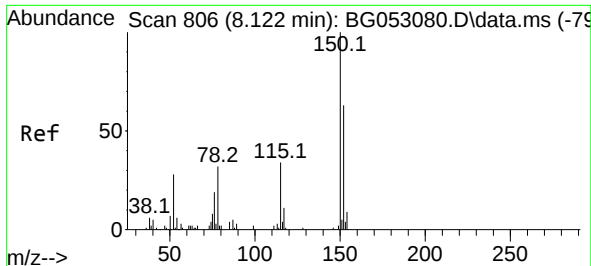
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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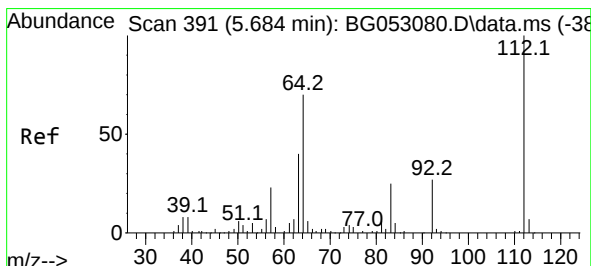
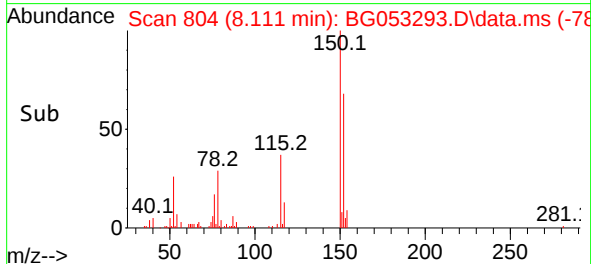
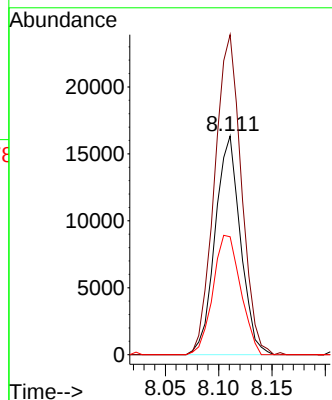
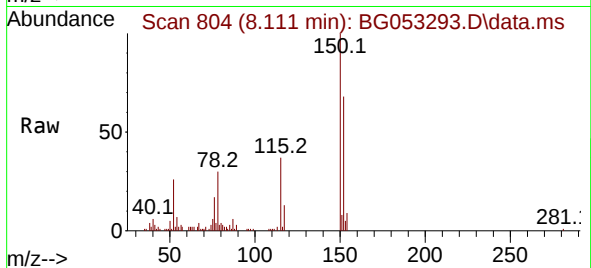




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

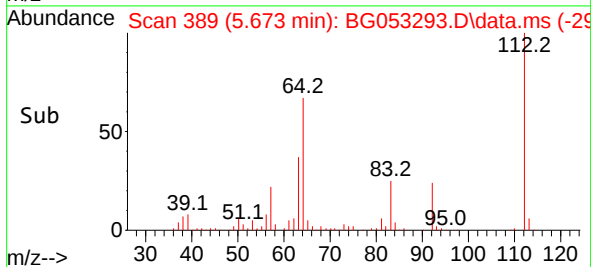
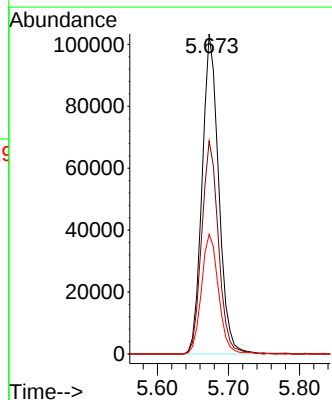
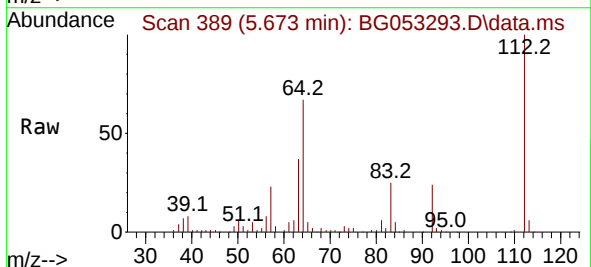
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-5

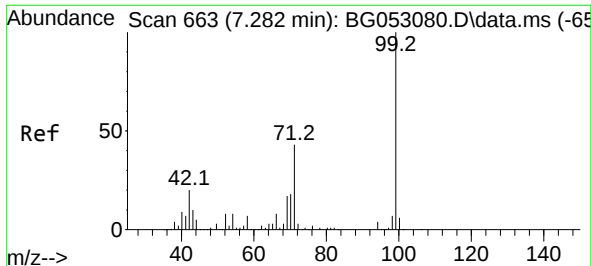
Tgt Ion:152 Resp: 26945
Ion Ratio Lower Upper
152 100
150 146.3 114.6 172.0
115 53.9 45.9 68.9



#5
2-Fluorophenol
Concen: 106.923 ng
RT: 5.673 min Scan# 389
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion:112 Resp: 168071
Ion Ratio Lower Upper
112 100
64 66.5 48.0 72.0
63 37.4 26.5 39.7

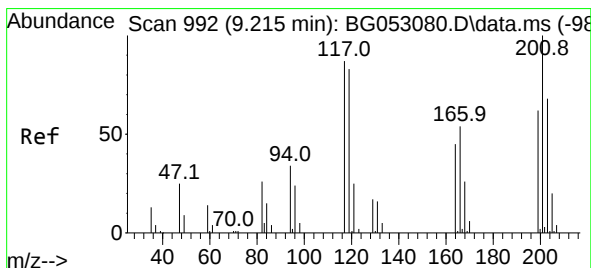
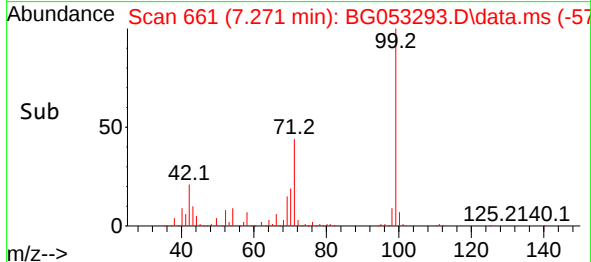
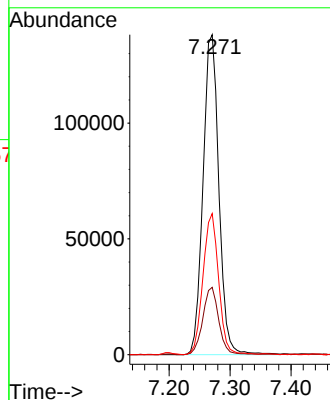
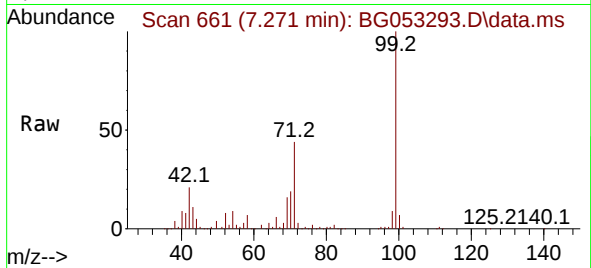




#7
Phenol-d6
Concen: 102.919 ng
RT: 7.271 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

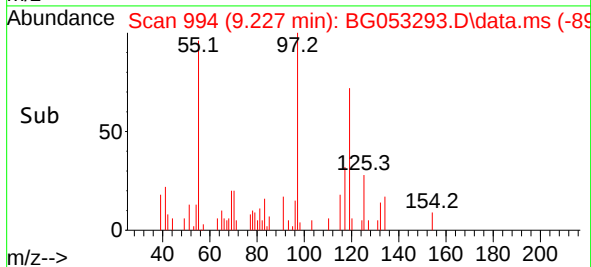
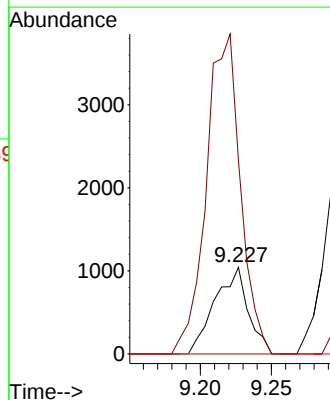
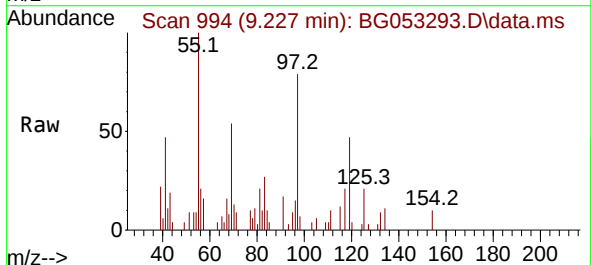
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-5

Tgt Ion: 99 Resp: 249476
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 44.1 29.2 43.8#



#18
Hexachloroethane
Concen: 2.259 ng
RT: 9.227 min Scan# 994
Delta R.T. 0.027 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion: 117 Resp: 1703
Ion Ratio Lower Upper
117 100
119 223.3 75.1 112.7#
201 0.0 96.6 145.0#

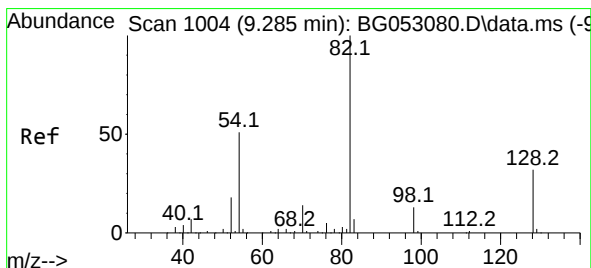
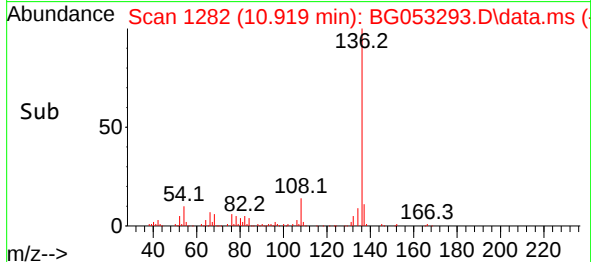
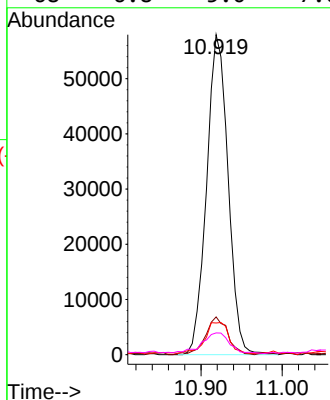
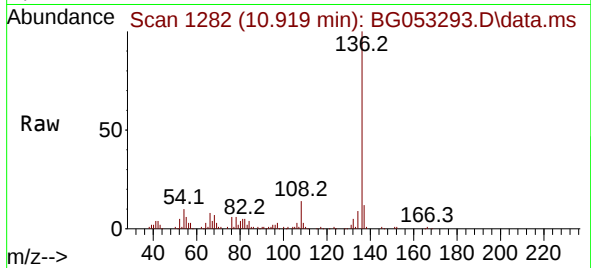




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.919 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

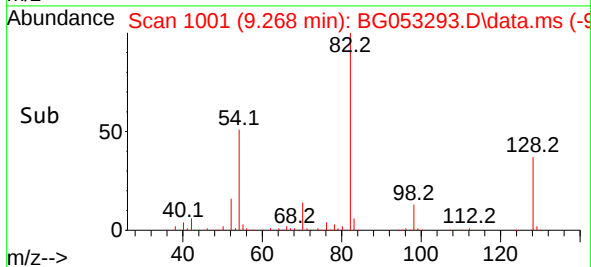
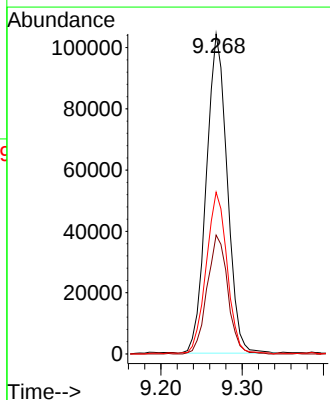
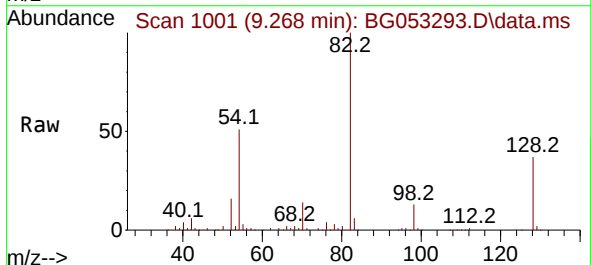
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-5

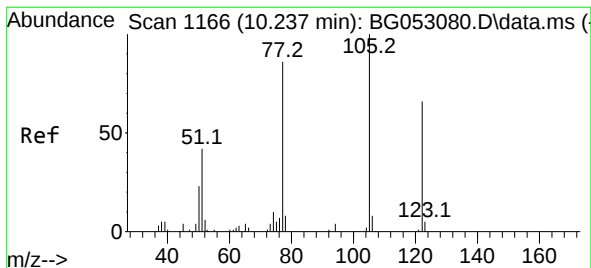
Tgt Ion:136 Resp: 106501
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.2
54 9.9 6.4 9.6#
68 6.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 70.802 ng
RT: 9.268 min Scan# 1001
Delta R.T. -0.009 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion: 82 Resp: 185710
Ion Ratio Lower Upper
82 100
128 37.2 31.3 46.9
54 50.6 37.8 56.8





#32

Benzoic acid

Concen: 3.832 ng

RT: 10.143 min Scan# 1166

Delta R.T. -0.091 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-5

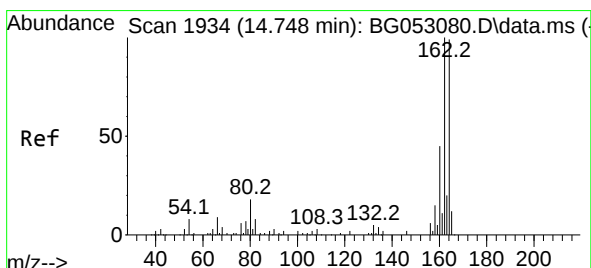
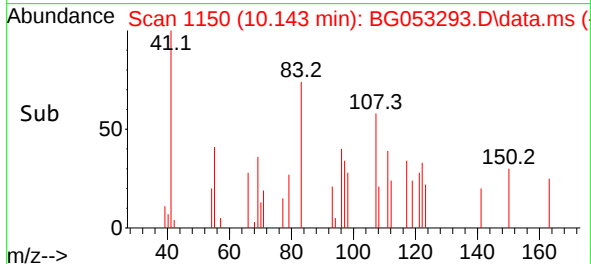
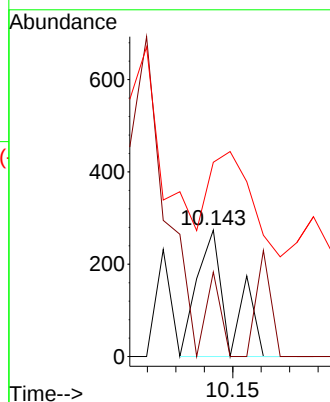
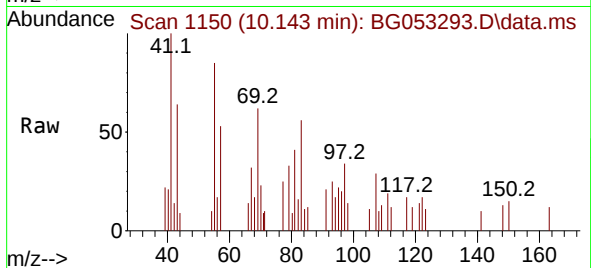
Tgt Ion:122 Resp: 218

Ion Ratio Lower Upper

122 100

105 66.8 112.8 152.8#

77 153.6 78.4 118.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.731 min Scan# 1931

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

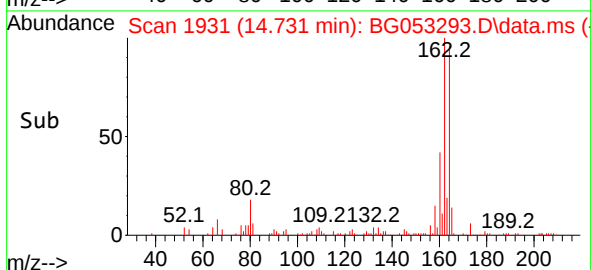
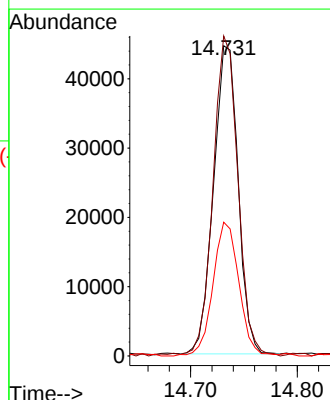
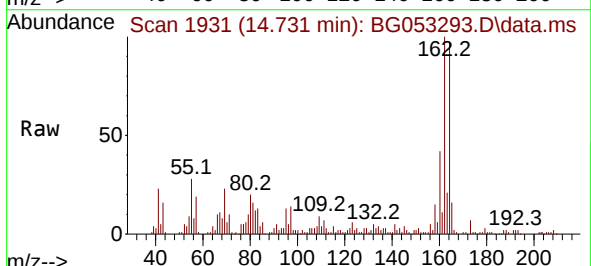
Tgt Ion:164 Resp: 71241

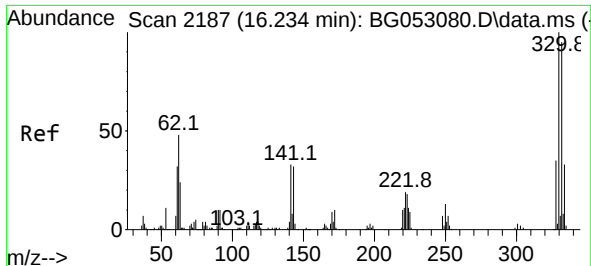
Ion Ratio Lower Upper

164 100

162 103.1 80.0 120.0

160 43.1 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 98.913 ng

RT: 16.223 min Scan# 2187

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-5

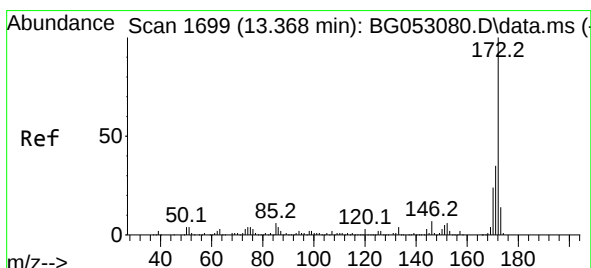
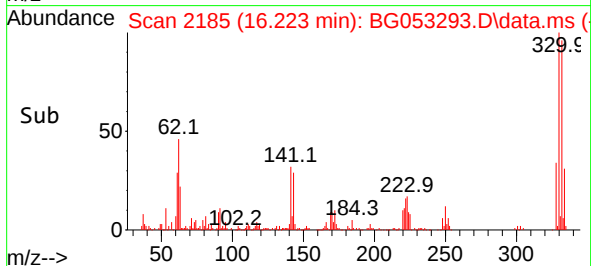
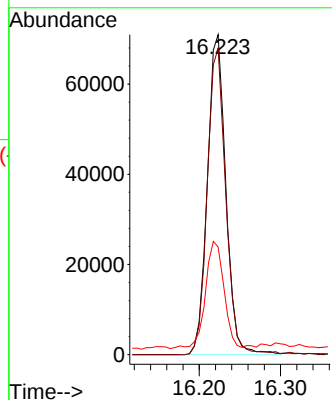
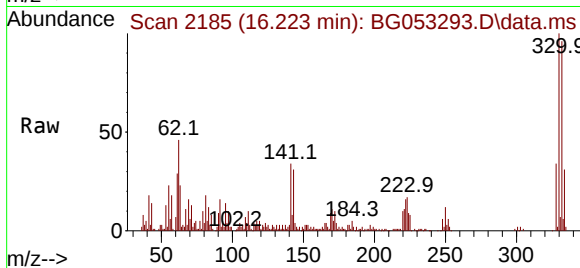
Tgt Ion:330 Resp: 112109

Ion Ratio Lower Upper

330 100

332 95.8 75.8 113.6

141 33.7 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 77.396 ng

RT: 13.356 min Scan# 1697

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

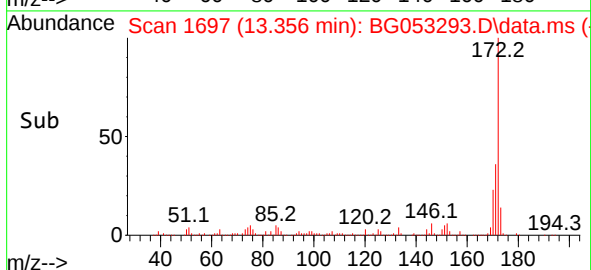
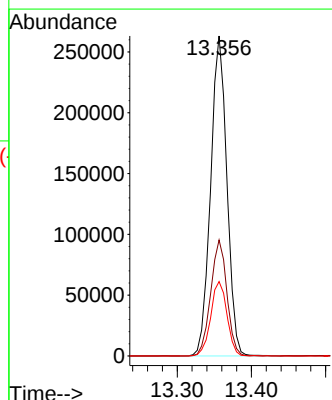
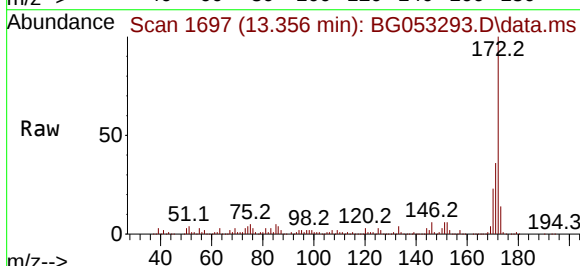
Tgt Ion:172 Resp: 399865

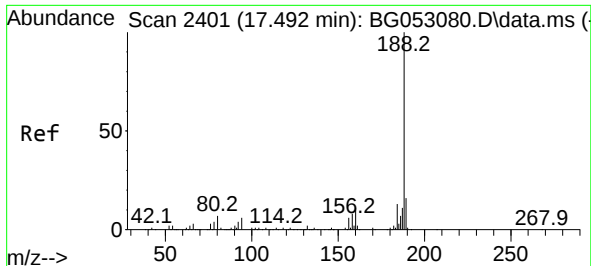
Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.2 18.0 27.0

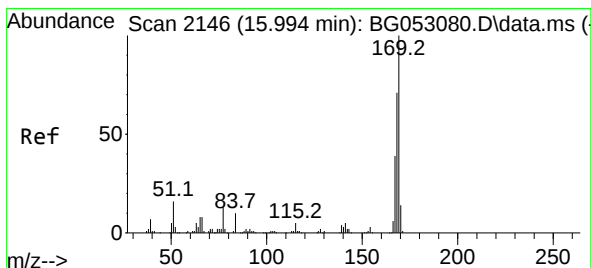
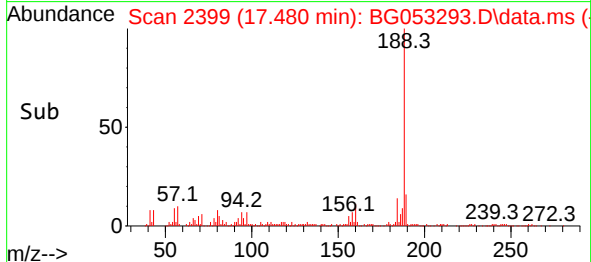
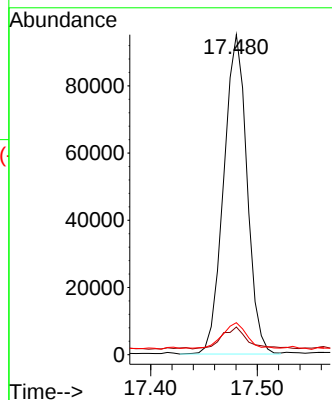
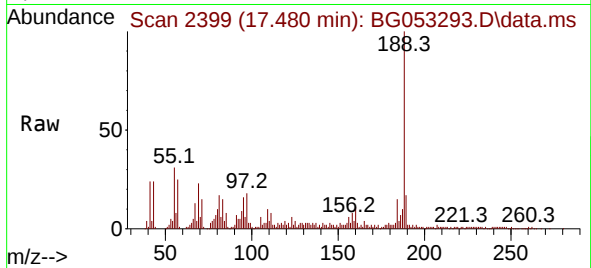




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 2144
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

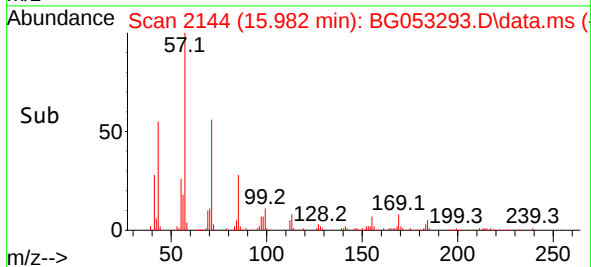
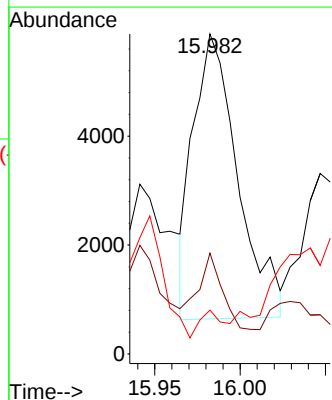
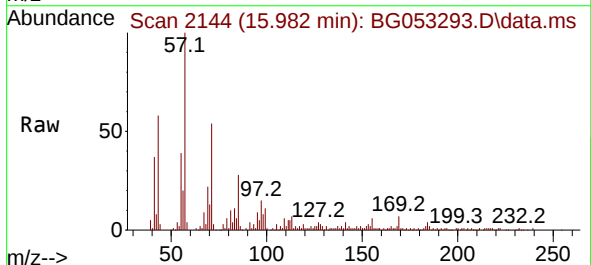
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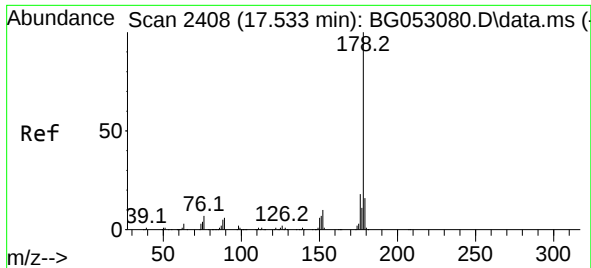
Tgt Ion:188 Resp: 144266
Ion Ratio Lower Upper
188 100
94 8.7 5.7 8.5#
80 10.0 7.2 10.8



#66
n-Nitrosodiphenylamine
Concen: 2.293 ng
RT: 15.982 min Scan# 2144
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion:169 Resp: 9512
Ion Ratio Lower Upper
169 100
168 31.5 54.5 81.7#
167 13.7 29.6 44.4#

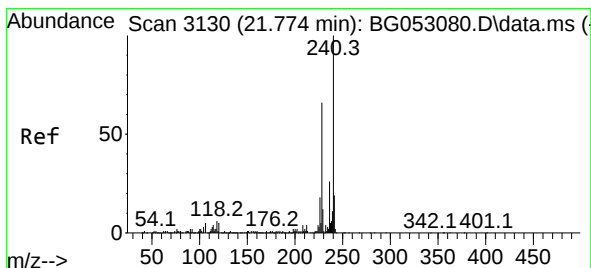
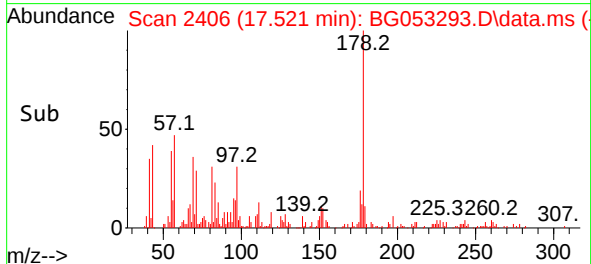
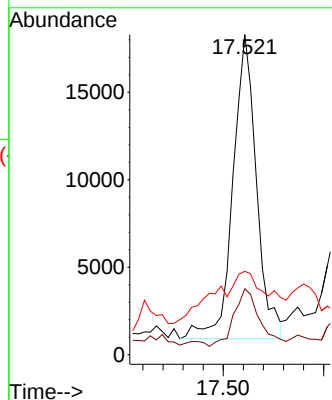
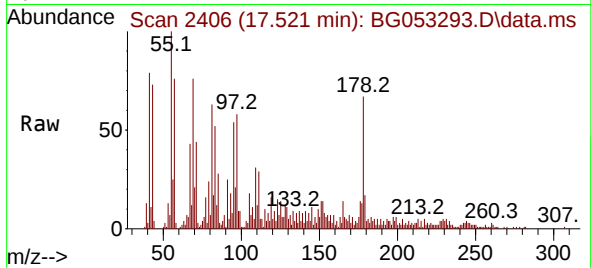




#71
Phenanthrene
Concen: 3.611 ng
RT: 17.521 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

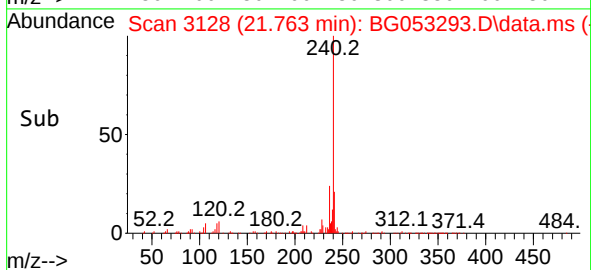
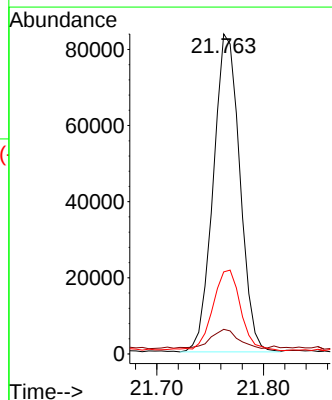
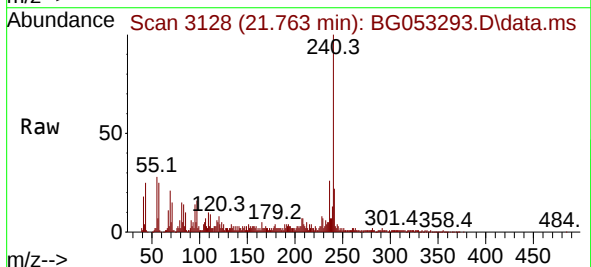
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-5

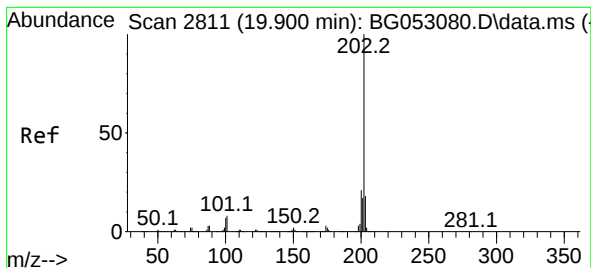
Tgt Ion:178 Resp: 28452
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 26.0 13.4 20.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3128
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion:240 Resp: 144321
Ion Ratio Lower Upper
240 100
120 7.7 5.4 8.0
236 25.7 19.8 29.6





#78

Pyrene

Concen: 3.815 ng

RT: 19.895 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-5

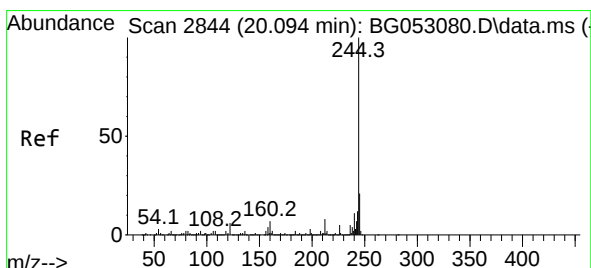
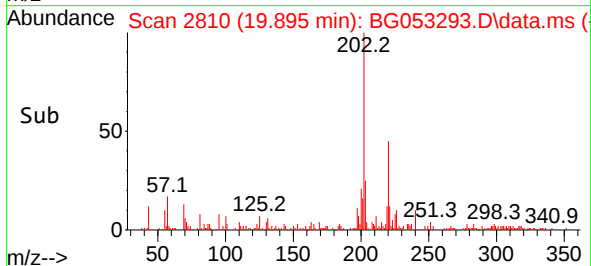
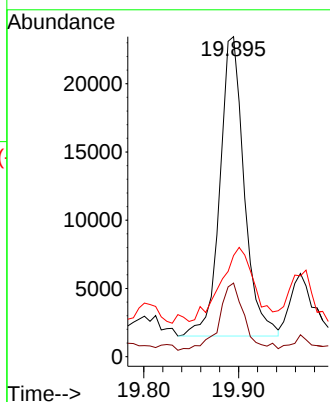
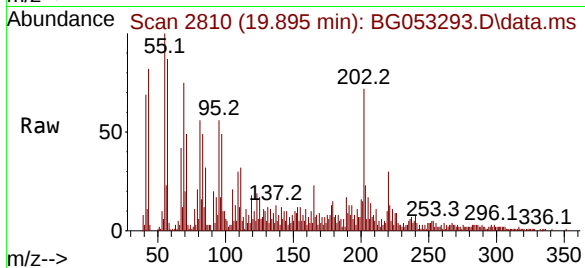
Tgt Ion:202 Resp: 39213

Ion Ratio Lower Upper

202 100

200 23.0 17.0 25.6

203 31.6 15.0 22.6#



#79

Terphenyl-d14

Concen: 70.795 ng

RT: 20.083 min Scan# 2842

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

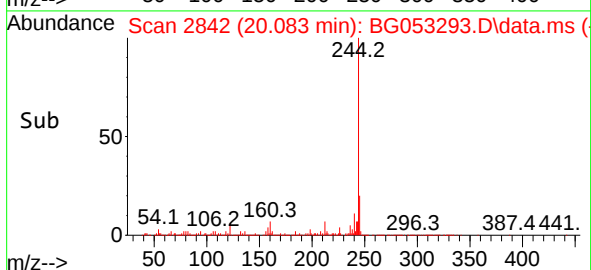
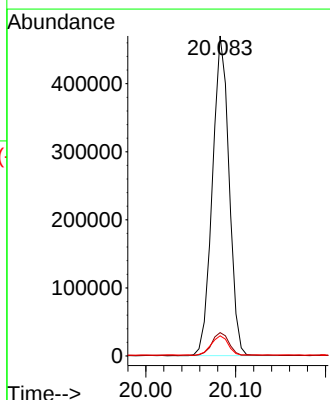
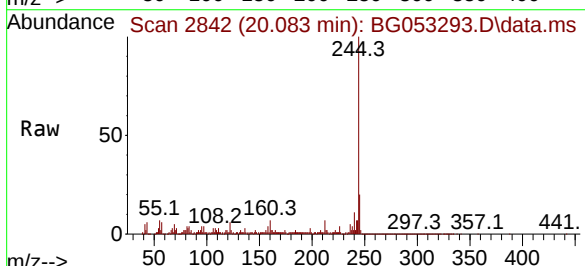
Tgt Ion:244 Resp: 604963

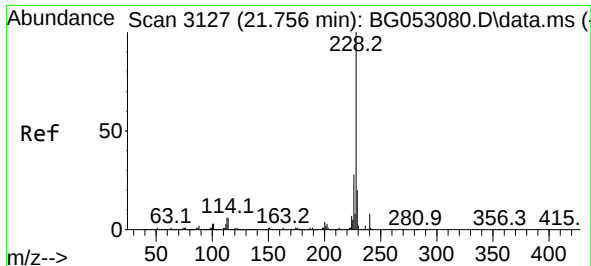
Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 6.3 5.8 8.6

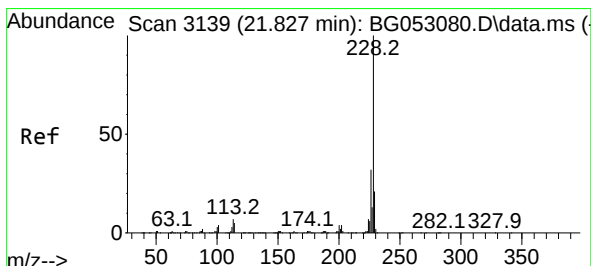
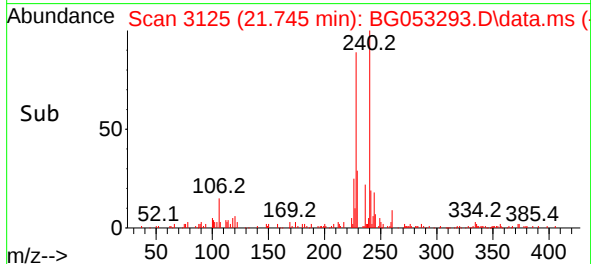
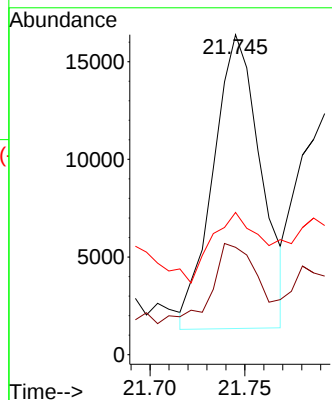
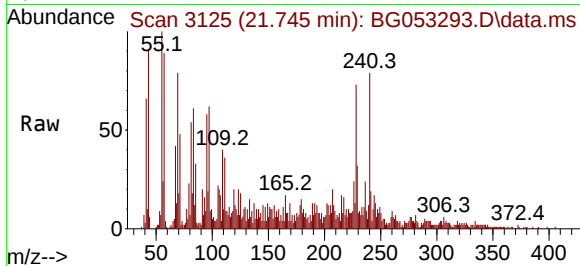




#81
Benzo(a)anthracene
Concen: 2.668 ng
RT: 21.745 min Scan# 3125
Delta R.T. -0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

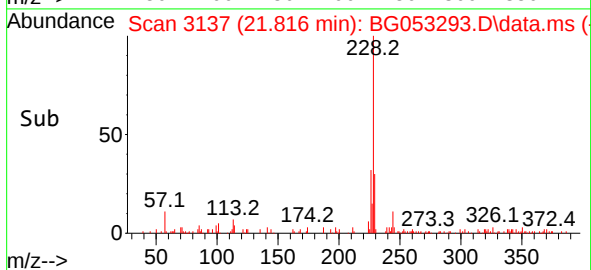
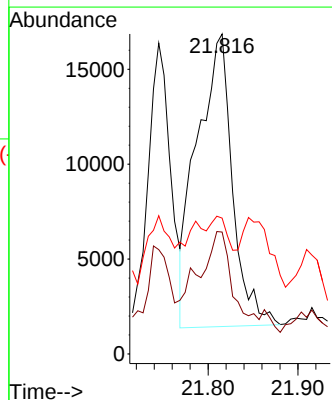
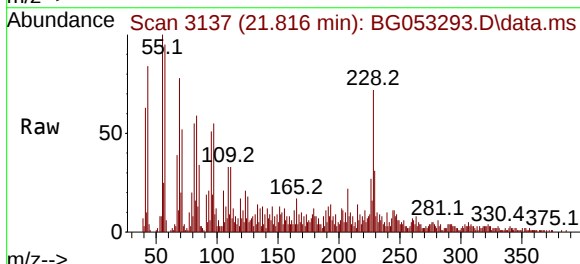
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-5

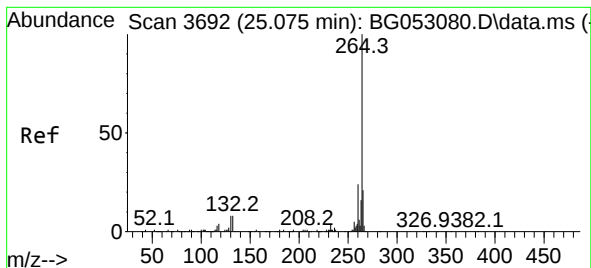
Tgt Ion:228 Resp: 26329
Ion Ratio Lower Upper
228 100
226 33.6 21.4 32.0#
229 44.5 16.7 25.1#



#83
Chrysene
Concen: 4.628 ng
RT: 21.816 min Scan# 3137
Delta R.T. 0.003 min
Lab File: BG053293.D
Acq: 23 Apr 2022 15:04

Tgt Ion:228 Resp: 42380
Ion Ratio Lower Upper
228 100
226 38.1 24.2 36.4#
229 42.5 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.064 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-5

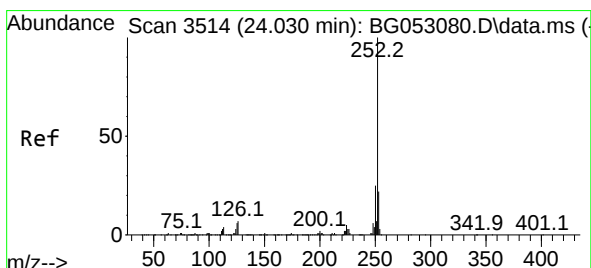
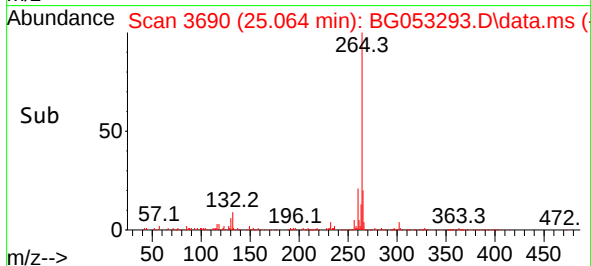
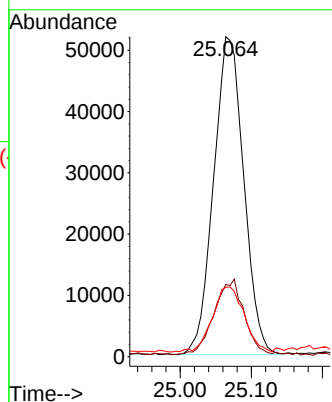
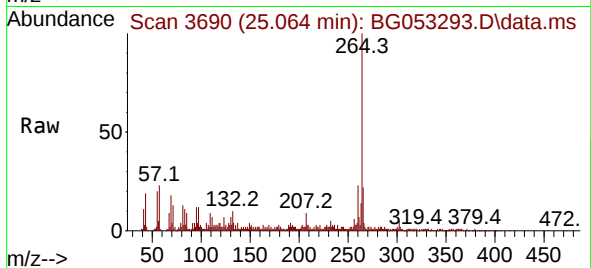
Tgt Ion:264 Resp: 152448

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

265 21.7 15.1 22.7



#88

Benzo(b)fluoranthene

Concen: 2.847 ng

RT: 24.019 min Scan# 3512

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

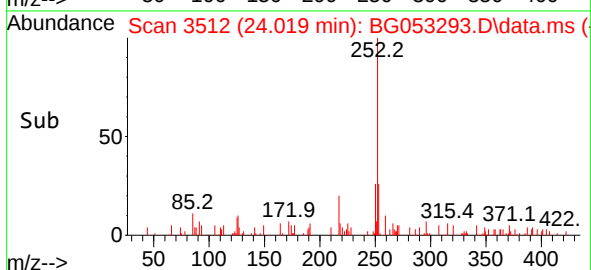
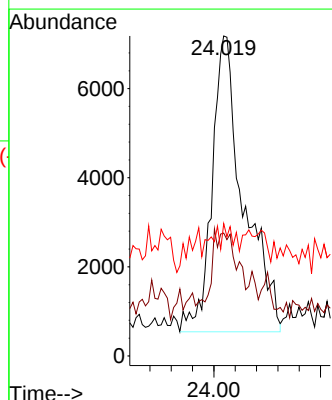
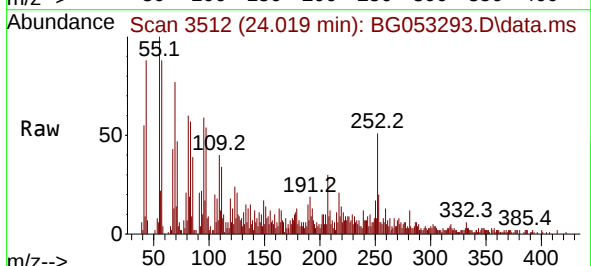
Tgt Ion:252 Resp: 27382

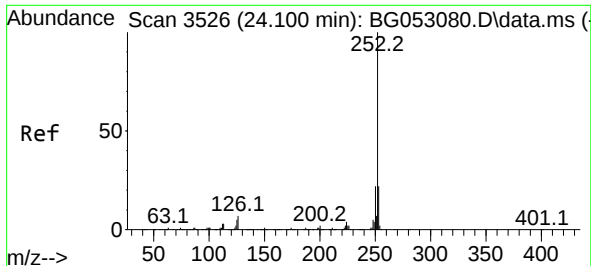
Ion Ratio Lower Upper

252 100

253 38.4 17.2 25.8#

125 41.3 5.2 7.8#





#89

Benzo(k)fluoranthene

Concen: 2.897 ng

RT: 24.019 min Scan# 3512

Delta R.T. -0.067 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-5

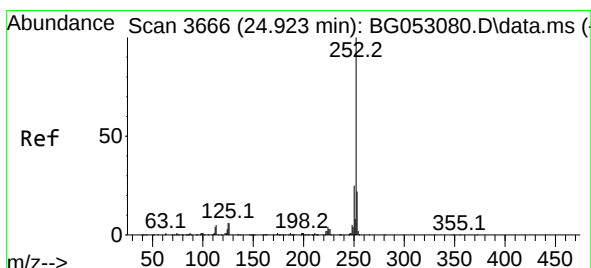
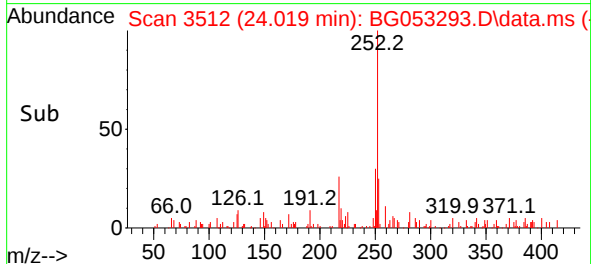
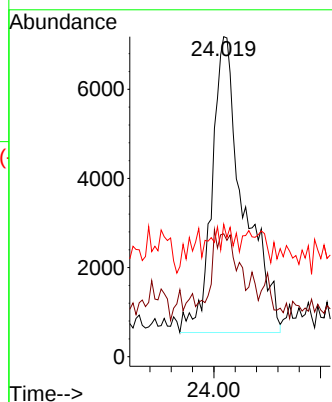
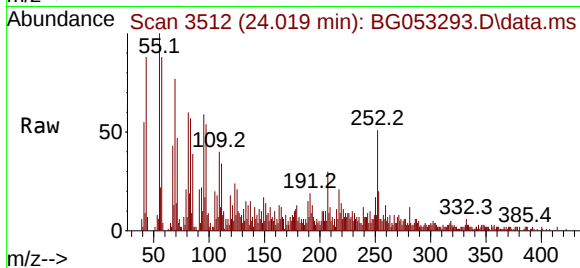
Tgt Ion:252 Resp: 27382

Ion Ratio Lower Upper

252 100

253 38.4 17.4 26.0#

125 41.3 5.0 7.4#



#90

Benzo(a)pyrene

Concen: 3.023 ng

RT: 24.911 min Scan# 3664

Delta R.T. -0.003 min

Lab File: BG053293.D

Acq: 23 Apr 2022 15:04

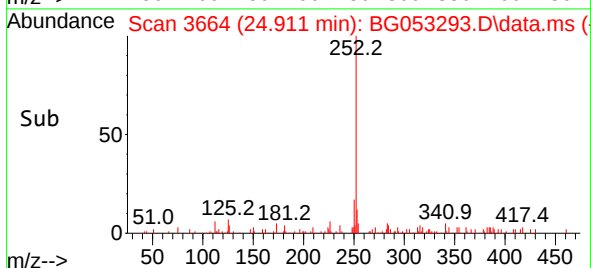
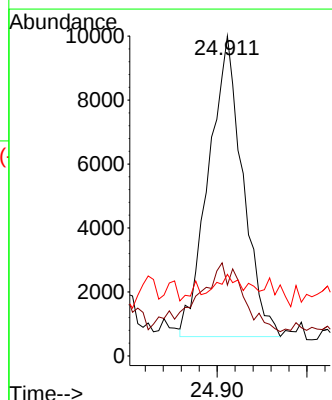
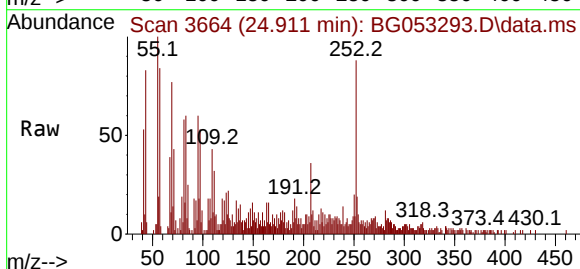
Tgt Ion:252 Resp: 24772

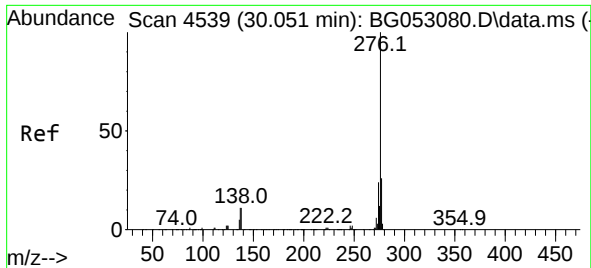
Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

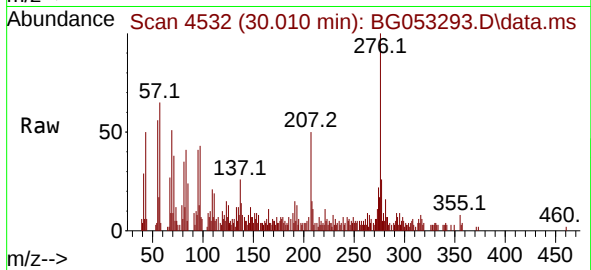
125 25.5 5.6 8.4#





#92
 Benzo(g,h,i)perylene
 Concen: 3.311 ng
 RT: 30.010 min Scan# 4
 Delta R.T. -0.026 min
 Lab File: BG053293.D
 Acq: 23 Apr 2022 15:04

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-5



Tgt Ion:276 Resp: 30424
 Ion Ratio Lower Upper
 276 100
 277 26.2 18.2 27.2
 138 14.1 9.1 13.7#

