

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082422\
 Data File : BG054719.D
 Acq On : 24 Aug 2022 14:06
 Operator : CG/JU
 Sample : N4120-06DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 15:14:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

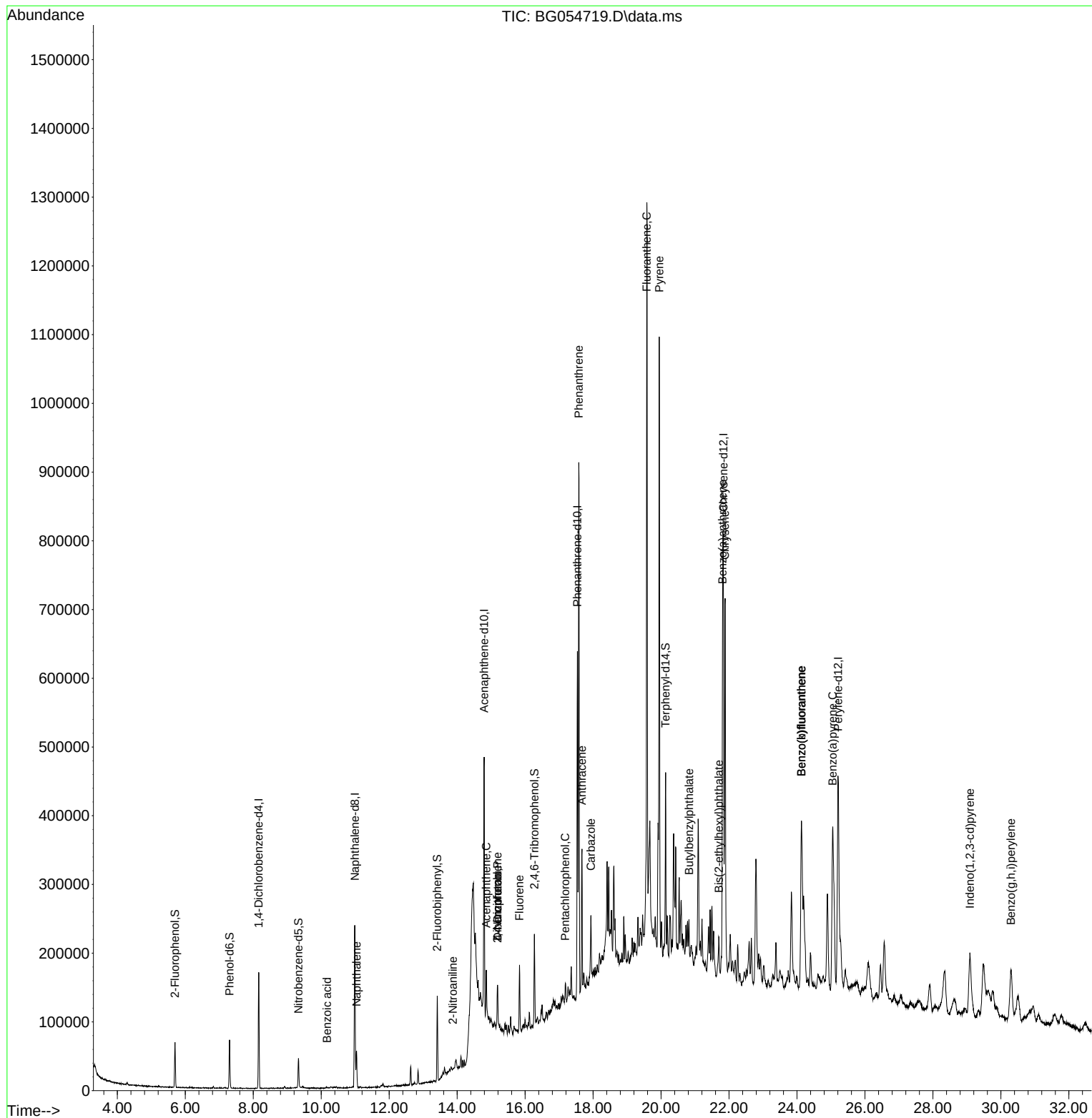
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	49491	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	208475	20.000	ng	0.00
39) Acenaphthene-d10	14.793	164	132783	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	316005	20.000	ng	0.00
76) Chrysene-d12	21.831	240	307313	20.000	ng	0.00
86) Perylene-d12	25.204	264	324530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	30858	11.749	ng	0.00
7) Phenol-d6	7.301	99	42852	11.645	ng	0.00
23) Nitrobenzene-d5	9.328	82	26444	7.229	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	20264	19.056	ng	0.00
45) 2-Fluorobiphenyl	13.412	172	64416	7.154	ng	0.00
79) Terphenyl-d14	20.133	244	118747	7.676	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.038	128	45337	4.041	ng	98
32) Benzoic acid	10.169	122	242	3.175	ng	# 22
48) 2-Nitroaniline	13.876	65	80	3.607	ng	# 5
52) Acenaphthene	14.851	154	23142	3.030	ng	99
55) Dibenzofuran	15.186	168	35962	3.107	ng	95
56) 4-Nitrophenol	15.186	139	15389	11.041	ng	# 14
57) 2,4-Dinitrotoluene	15.180	165	623	4.531	ng	# 1
58) Fluorene	15.833	166	39864	4.166	ng	97
70) Pentachlorophenol	17.178	266	178	7.200	ng	# 19
71) Phenanthrene	17.578	178	489544	29.064	ng	100
72) Anthracene	17.672	178	140343	8.598	ng	99
73) Carbazole	17.936	167	62460	4.301	ng	98
75) Fluoranthene	19.581	202	655286	32.998	ng	100
78) Pyrene	19.945	202	563668	26.003	ng	99
80) Butylbenzylphthalate	20.821	149	15035	7.035	ng	93
81) Benzo(a)anthracene	21.808	228	310903	14.896	ng	98
83) Chrysene	21.878	228	252976	12.736	ng	98
84) Bis(2-ethylhexyl)phtha...	21.702	149	21643	6.026	ng	98
87) Indeno(1,2,3-cd)pyrene	29.088	276	170104	7.024	ng	# 95
88) Benzo(b)fluoranthene	24.129	252	323943	16.076	ng	99
89) Benzo(k)fluoranthene	24.129	252	323943	15.578	ng	99
90) Benzo(a)pyrene	25.045	252	248507	14.368	ng	97
92) Benzo(g,h,i)perylene	30.298	276	161289	8.293	ng	97

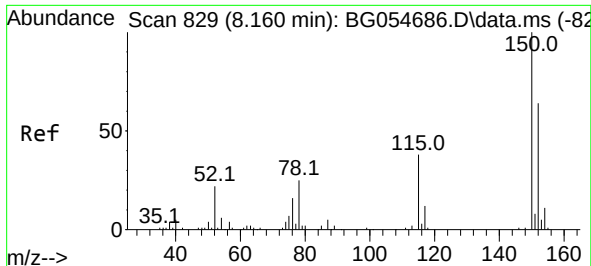
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082422\
Data File : BG054719.D
Acq On : 24 Aug 2022 14:06
Operator : CG/JU
Sample : N4120-06DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

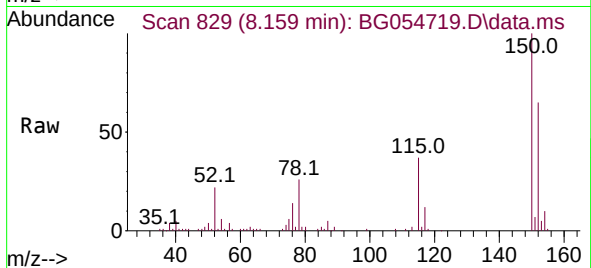
Quant Time: Aug 24 15:14:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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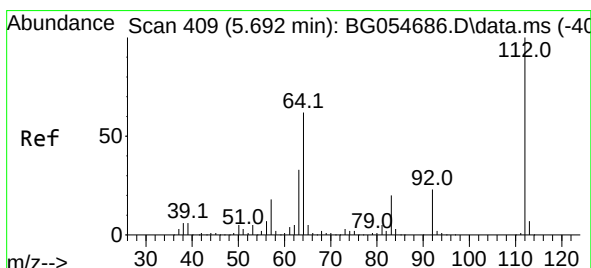
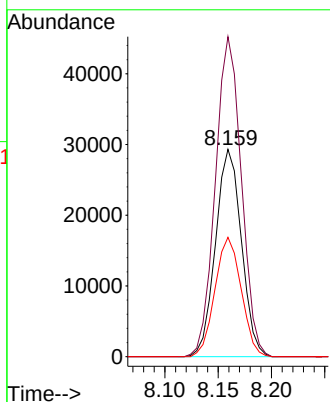
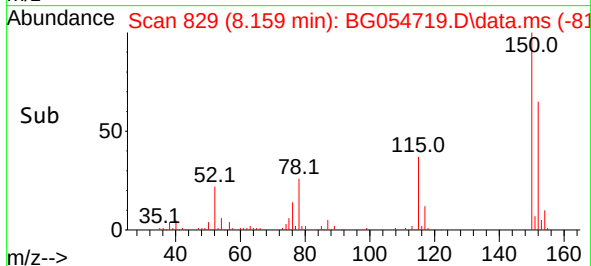


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.159 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

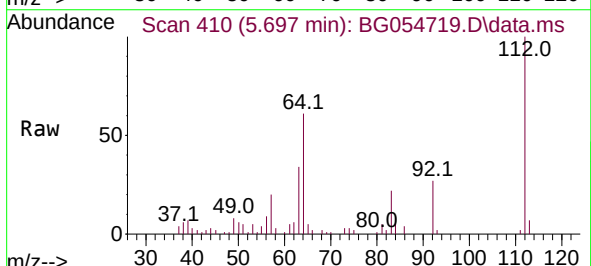
Instrument :
MSVOA_D
ClientSampleId :



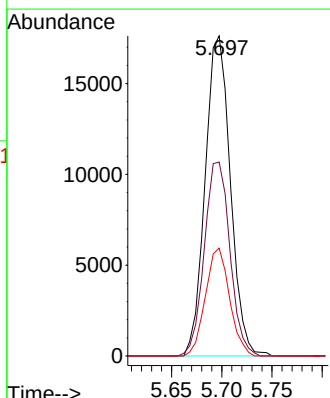
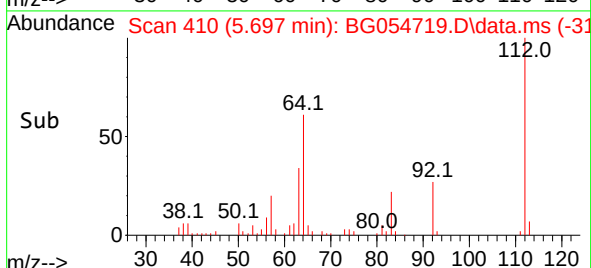
Tgt Ion:152 Resp: 49491
Ion Ratio Lower Upper
152 100
150 154.4 125.2 187.8
115 57.6 47.9 71.9

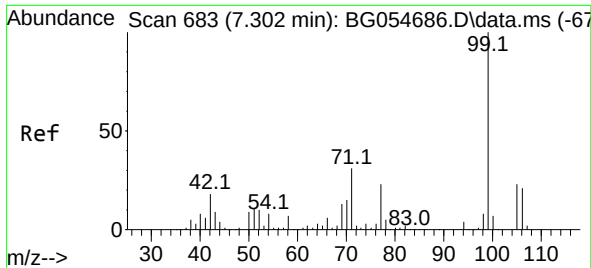


#5
2-Fluorophenol
Concen: 11.749 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:112 Resp: 30858
Ion Ratio Lower Upper
112 100
64 60.6 49.3 73.9
63 33.7 26.3 39.5

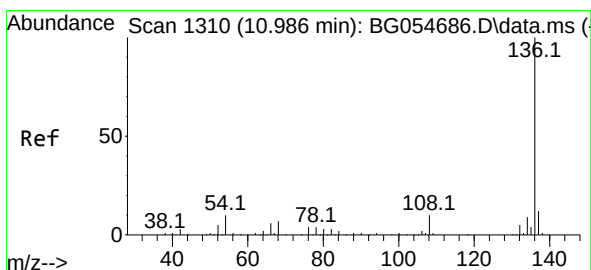
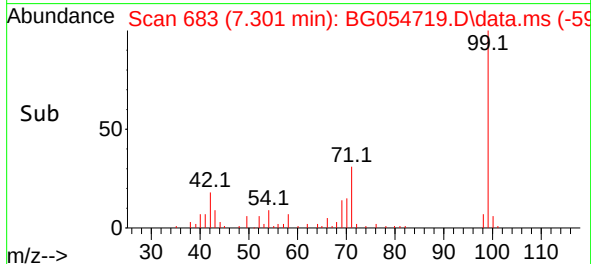
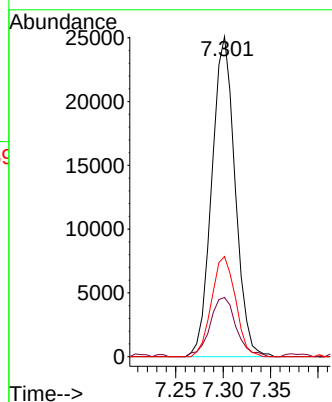
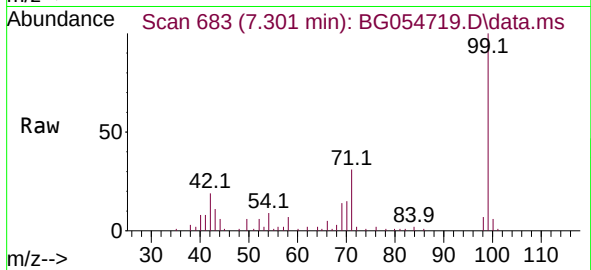




#7
Phenol-d6
Concen: 11.645 ng
RT: 7.301 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

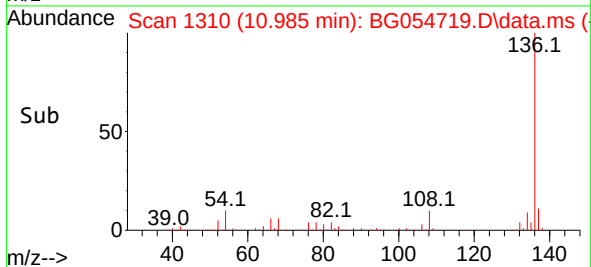
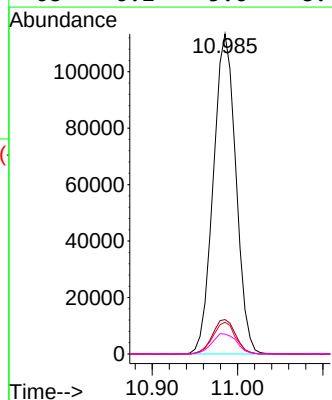
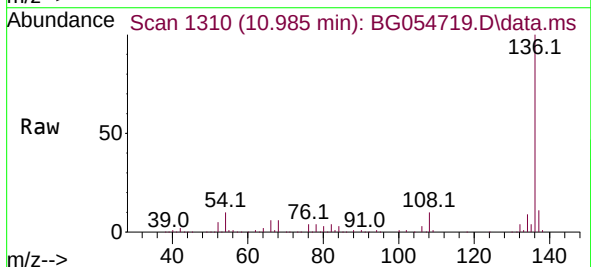
Instrument :
MSVOA_D
ClientSampleId :

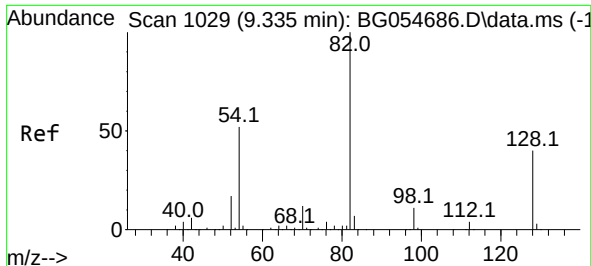
Tgt Ion: 99 Resp: 42852
Ion Ratio Lower Upper
99 100
42 18.5 14.6 22.0
71 31.3 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion: 136 Resp: 208475
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 9.9 7.7 11.5
68 6.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 7.229 ng

RT: 9.328 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BG054719.D

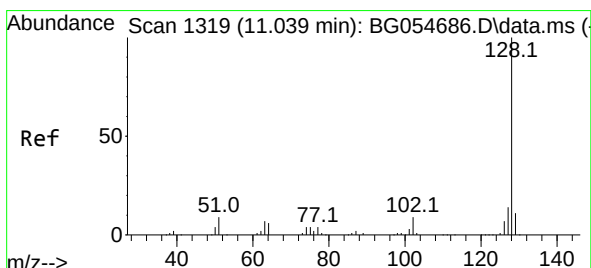
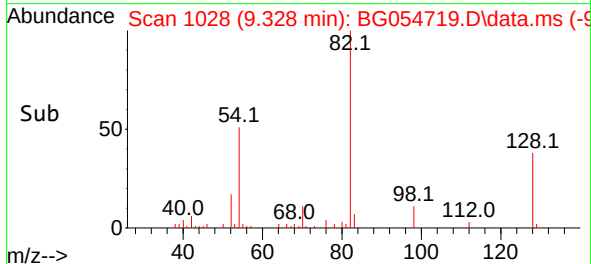
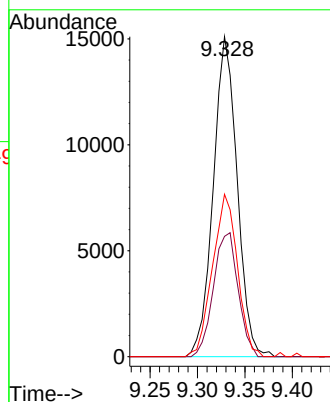
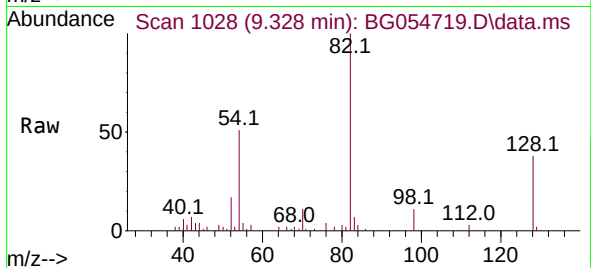
Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 82	Resp: 26444
Ion Ratio	Lower Upper
82 100	
128 37.6	32.2 48.2
54 50.7	41.4 62.0



#31

Naphthalene

Concen: 4.041 ng

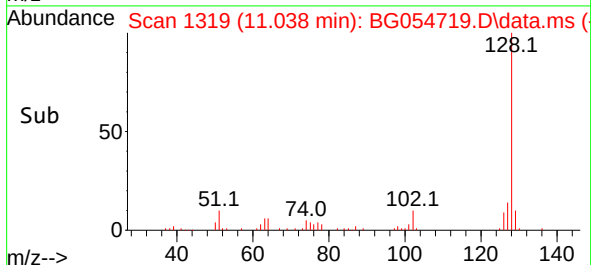
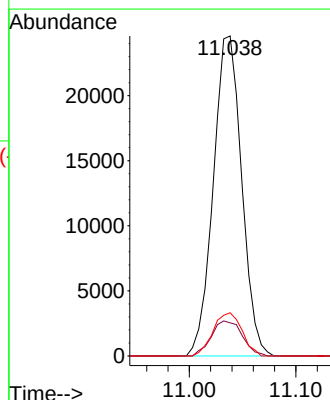
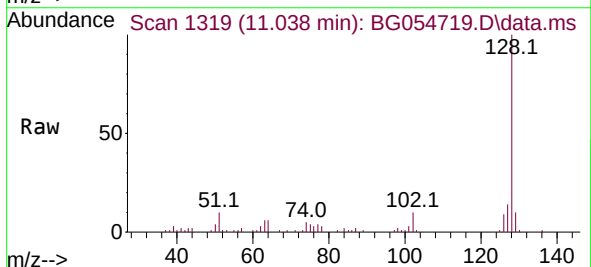
RT: 11.038 min Scan# 1319

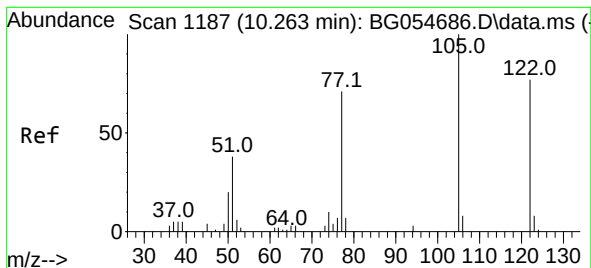
Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Tgt Ion: 128	Resp: 45337
Ion Ratio	Lower Upper
128 100	
129 10.3	9.0 13.4
127 13.5	11.1 16.7





#32

Benzoic acid

Concen: 3.175 ng

RT: 10.169 min Scan# 1187

Delta R.T. -0.094 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

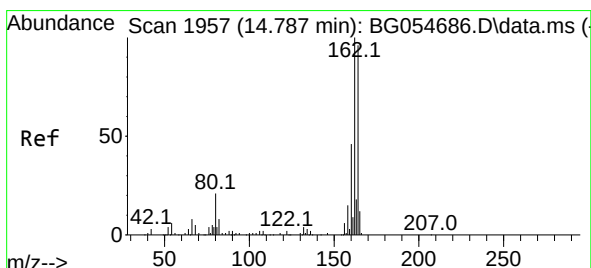
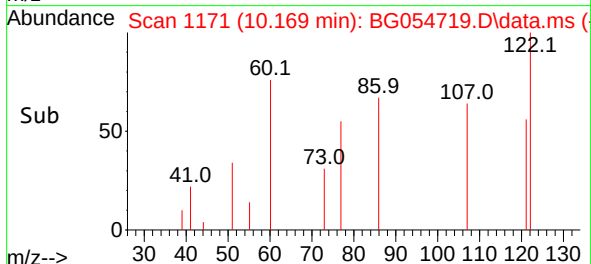
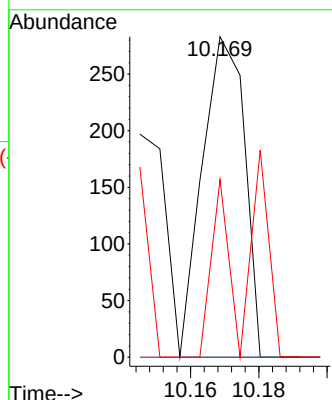
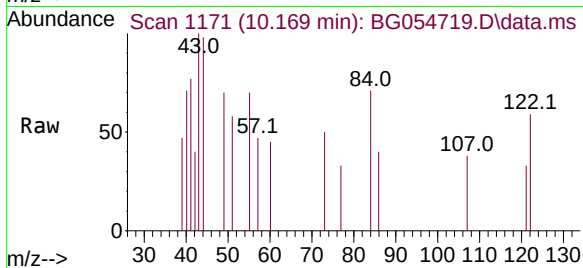
Tgt Ion:122 Resp: 242

Ion Ratio Lower Upper

122 100

105 0.0 101.5 141.5#

77 55.5 69.3 109.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.793 min Scan# 1958

Delta R.T. 0.006 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

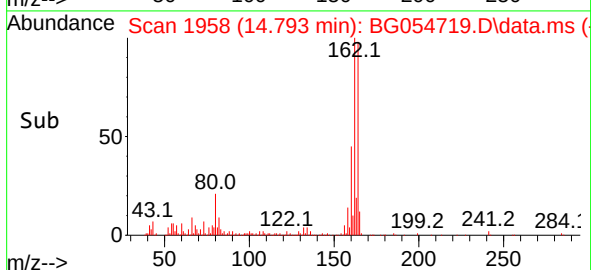
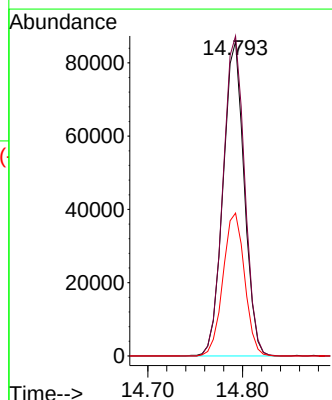
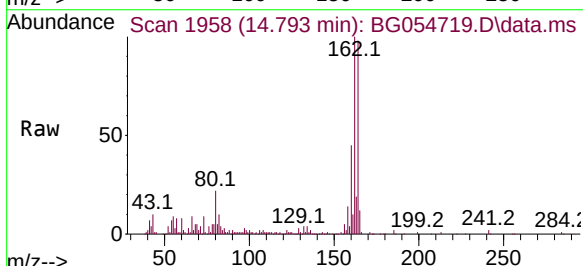
Tgt Ion:164 Resp: 132783

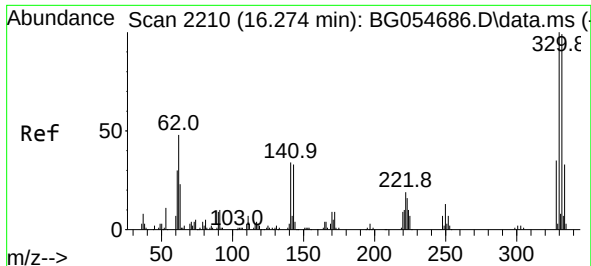
Ion Ratio Lower Upper

164 100

162 101.7 83.0 124.4

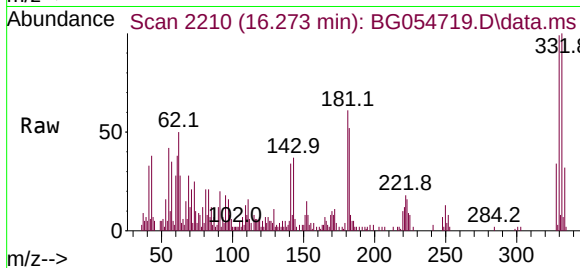
160 45.4 38.0 57.0



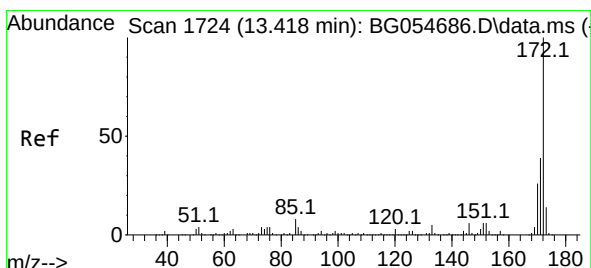
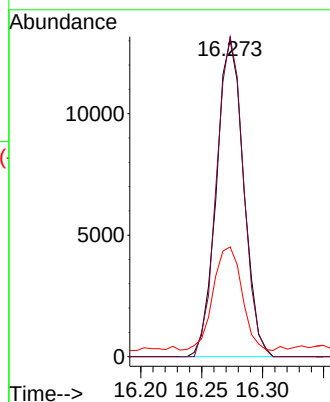
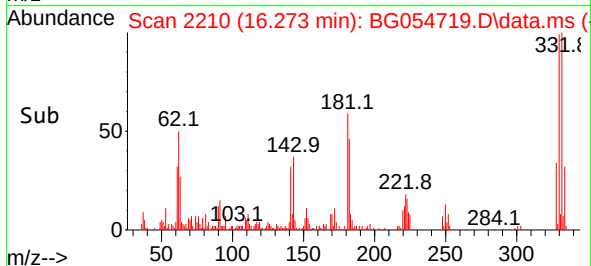


#42
2,4,6-Tribromophenol
Concen: 19.056 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

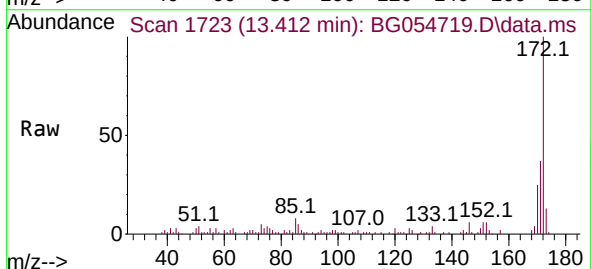
Instrument :
MSVOA_D
ClientSampleId :



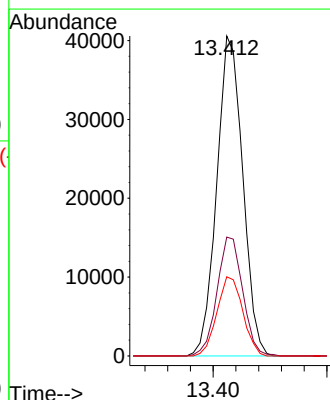
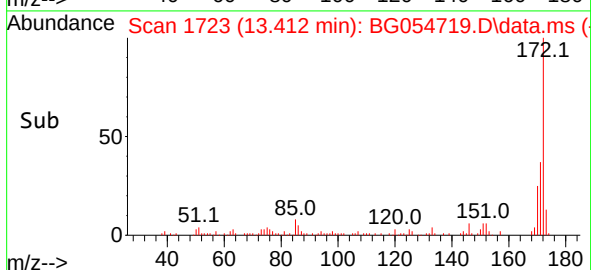
Tgt Ion:330 Resp: 20264
Ion Ratio Lower Upper
330 100
332 99.6 79.8 119.6
141 34.5 26.8 40.2

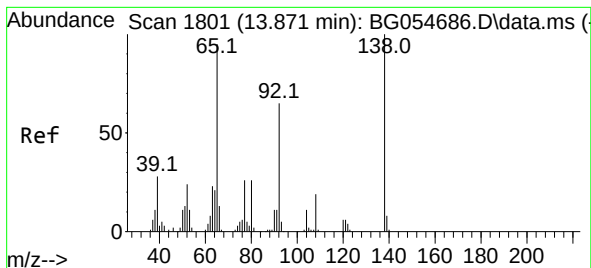


#45
2-Fluorobiphenyl
Concen: 7.154 ng
RT: 13.412 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06



Tgt Ion:172 Resp: 64416
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.7 20.6 30.8

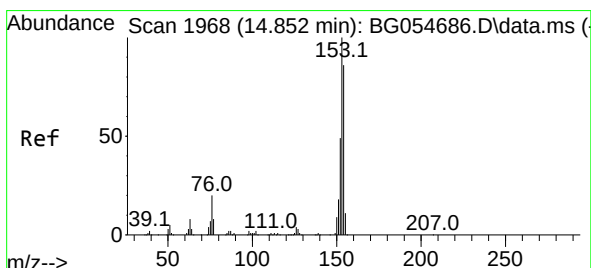
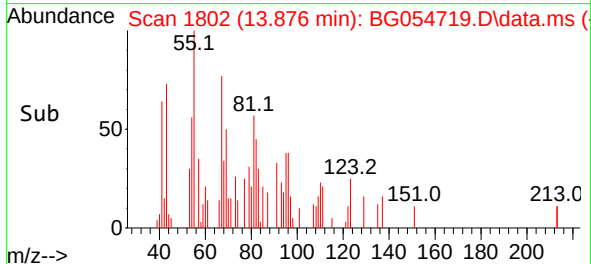
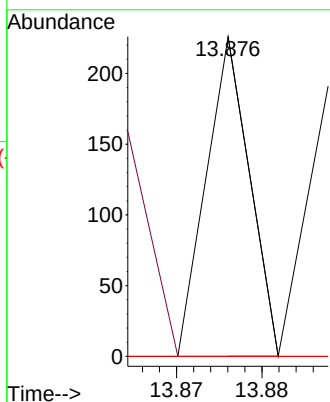
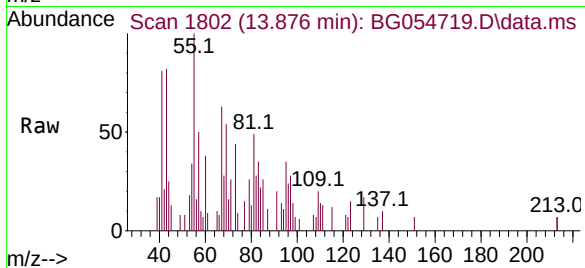




#48
2-Nitroaniline
Concen: 3.607 ng
RT: 13.876 min Scan# 1801
Delta R.T. 0.005 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

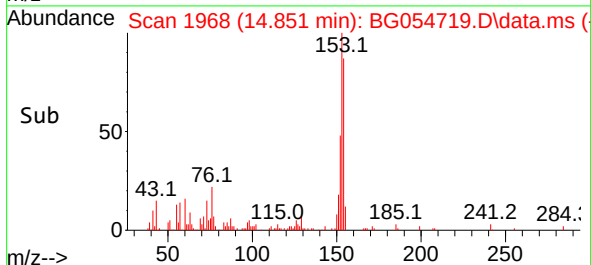
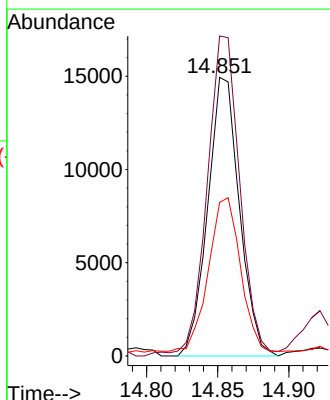
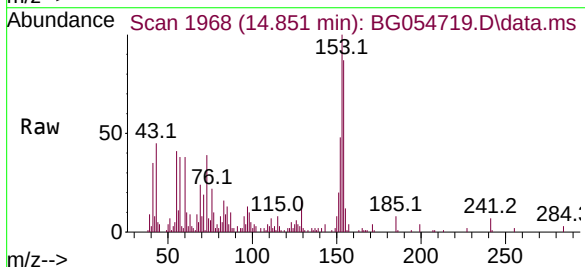
Instrument :
MSVOA_D
ClientSampleId :

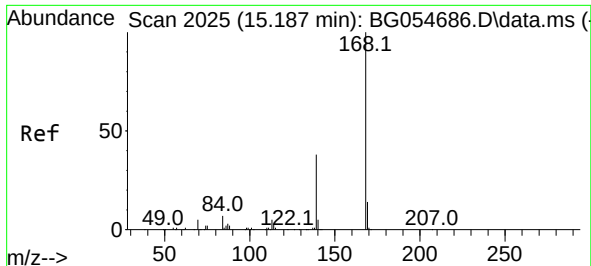
Tgt Ion: 65 Resp: 80
Ion Ratio Lower Upper
65 100
92 0.0 54.7 82.1#
138 0.0 84.1 126.1#



#52
Acenaphthene
Concen: 3.030 ng
RT: 14.851 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion: 154 Resp: 23142
Ion Ratio Lower Upper
154 100
153 114.9 92.8 139.2
152 55.1 45.4 68.2

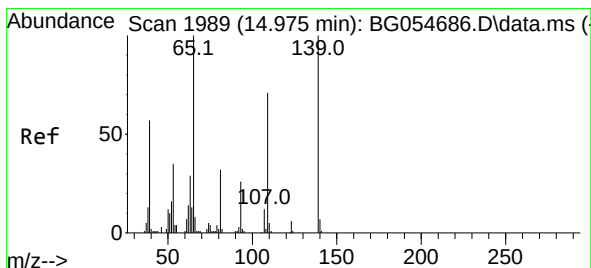
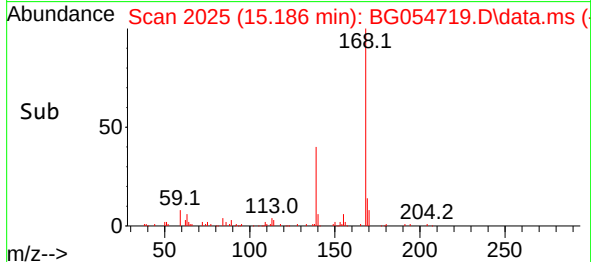
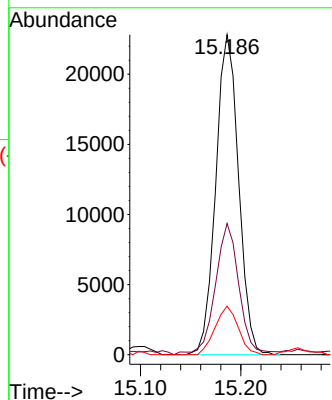
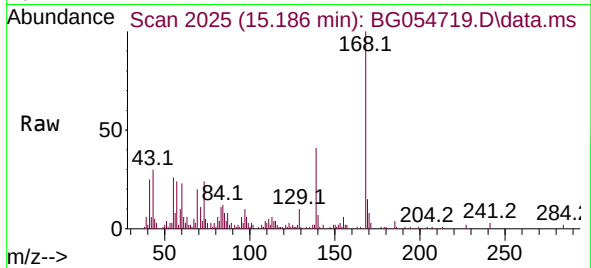




#55
Dibenzofuran
Concen: 3.107 ng
RT: 15.186 min Scan# 2025
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

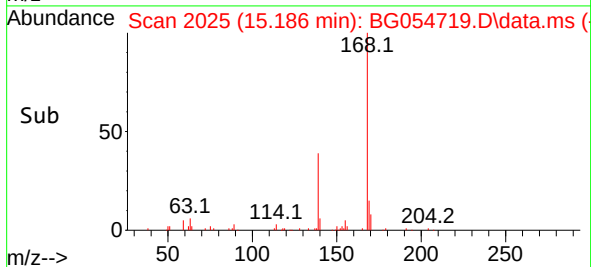
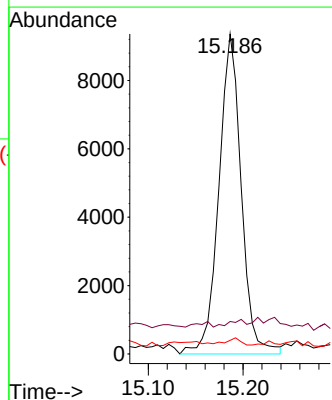
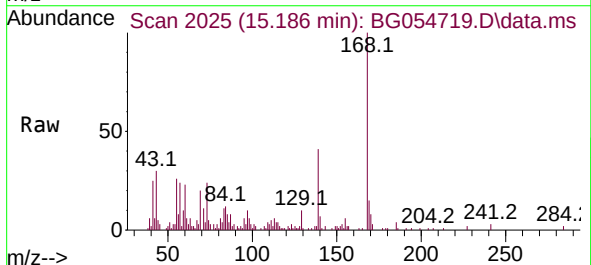
Instrument :
MSVOA_D
ClientSampleId :

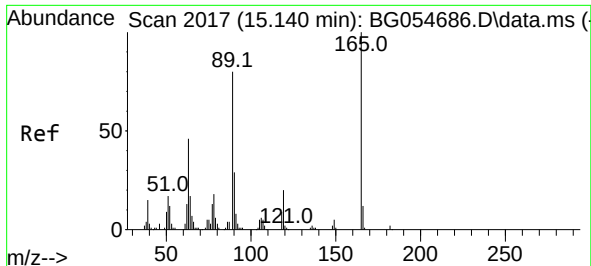
Tgt Ion:168 Resp: 35962
Ion Ratio Lower Upper
168 100
139 41.0 30.2 45.2
169 15.2 11.3 16.9



#56
4-Nitrophenol
Concen: 11.041 ng
RT: 15.186 min Scan# 2025
Delta R.T. 0.211 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion:139 Resp: 15389
Ion Ratio Lower Upper
139 100
109 10.2 50.5 90.5#
65 4.2 79.9 119.9#

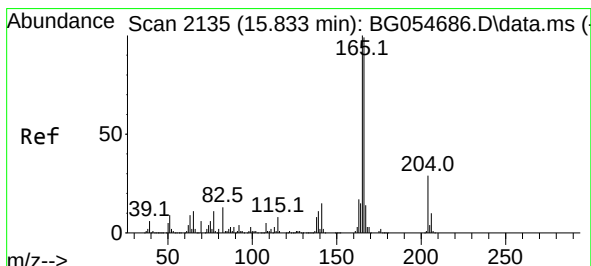
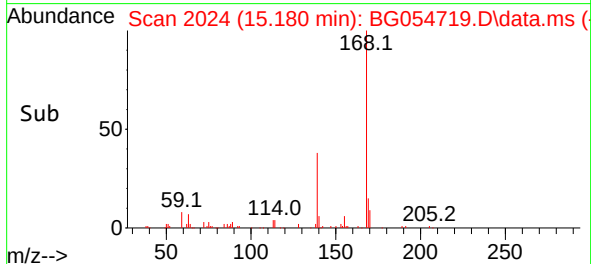
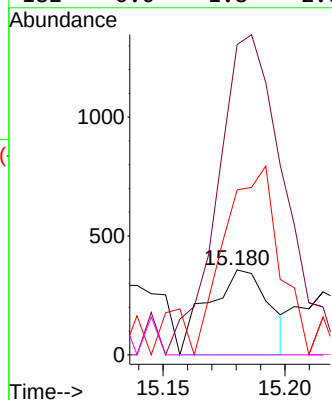
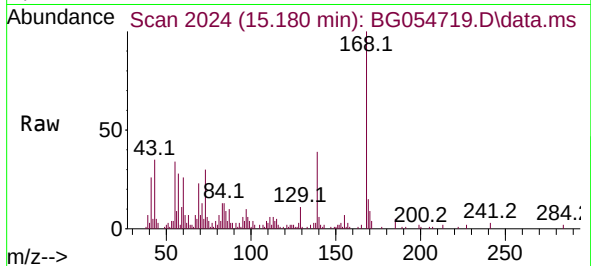




#57
2,4-Dinitrotoluene
Concen: 4.531 ng
RT: 15.180 min Scan# 2017
Delta R.T. 0.040 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

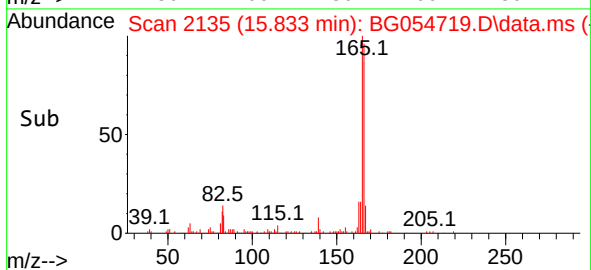
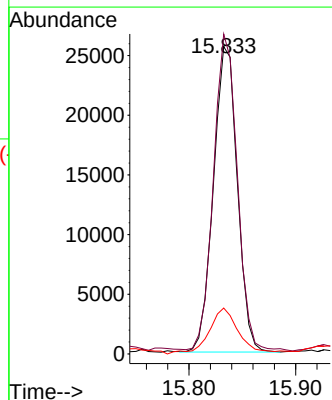
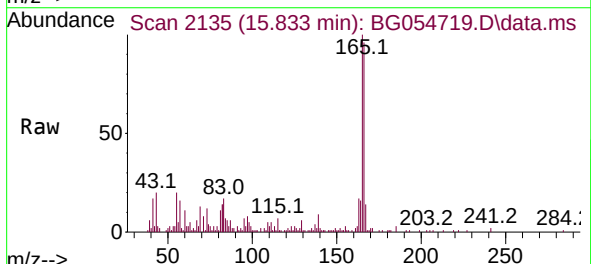
Instrument :
MSVOA_D
ClientSampleId :

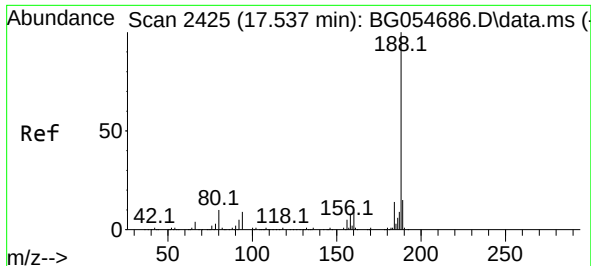
Tgt Ion:165 Resp: 623
Ion Ratio Lower Upper
165 100
63 365.5 36.8 55.2#
89 194.4 64.3 96.5#
182 0.0 1.8 2.6#



#58
Fluorene
Concen: 4.166 ng
RT: 15.833 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion:166 Resp: 39864
Ion Ratio Lower Upper
166 100
165 104.1 80.8 121.2
167 15.0 11.4 17.0

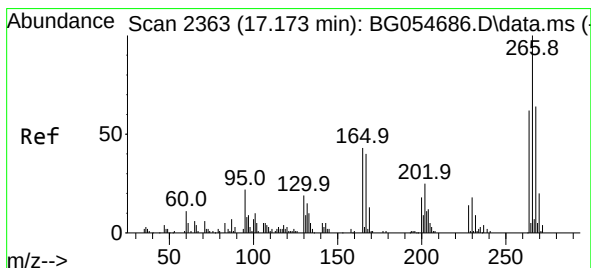
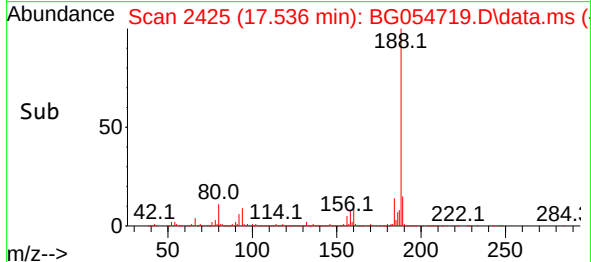
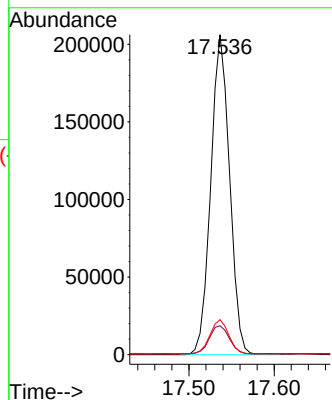
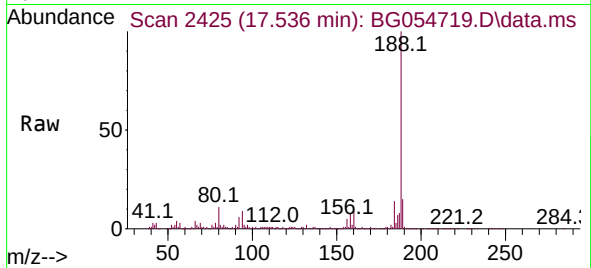




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2425
Delta R.T. -0.001 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

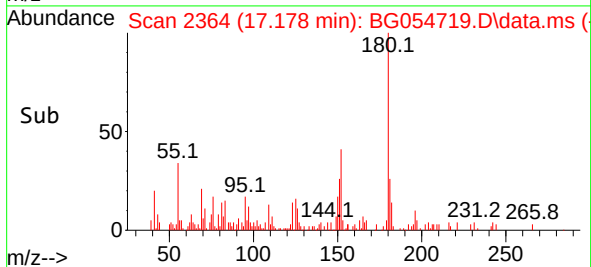
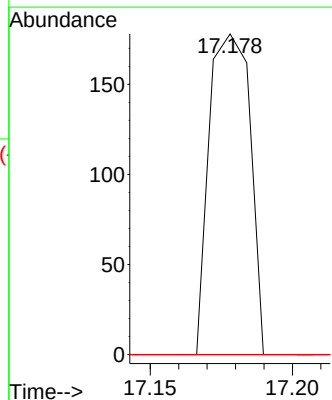
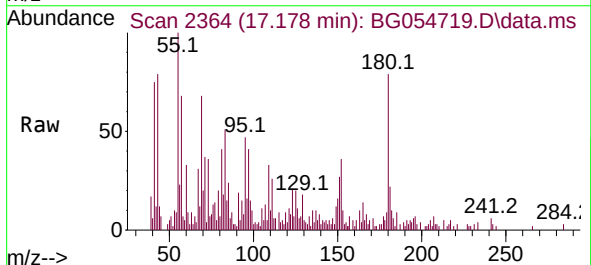
Instrument :
MSVOA_D
ClientSampleId :

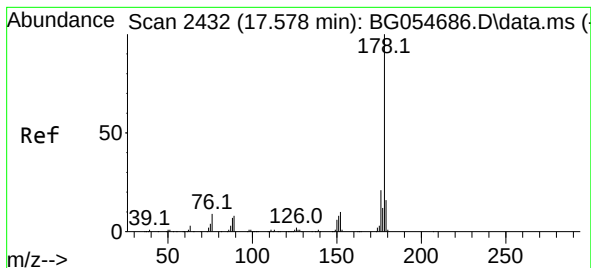
Tgt Ion:188 Resp: 316005
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.9 7.9 11.9



#70
Pentachlorophenol
Concen: 7.200 ng
RT: 17.178 min Scan# 2364
Delta R.T. 0.005 min
Lab File: BG054719.D
Acq: 24 Aug 2022 14:06

Tgt Ion:266 Resp: 178
Ion Ratio Lower Upper
266 100
268 0.0 51.2 76.8#
264 0.0 49.4 74.0#





#71

Phenanthrene

Concen: 29.064 ng

RT: 17.578 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

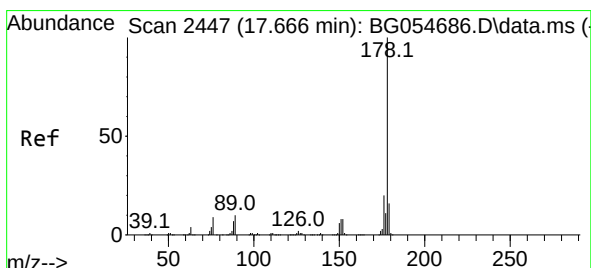
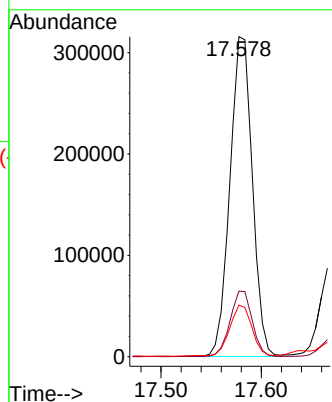
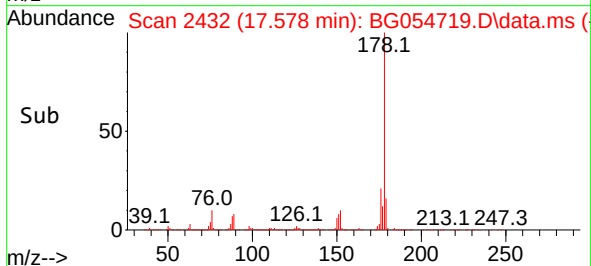
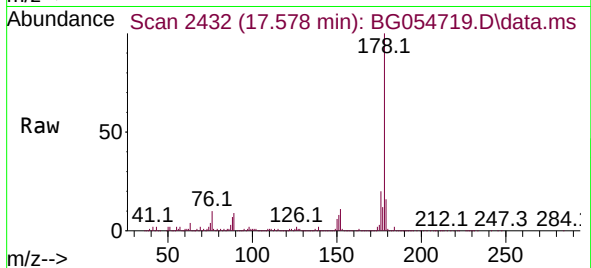
Tgt Ion:178 Resp: 489544

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

179 16.1 12.8 19.2



#72

Anthracene

Concen: 8.598 ng

RT: 17.672 min Scan# 2448

Delta R.T. 0.006 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

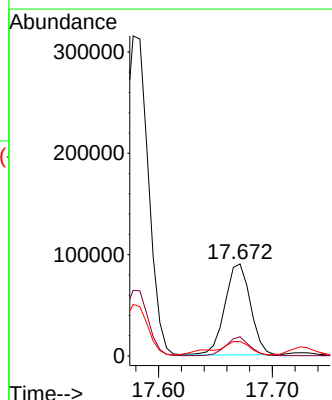
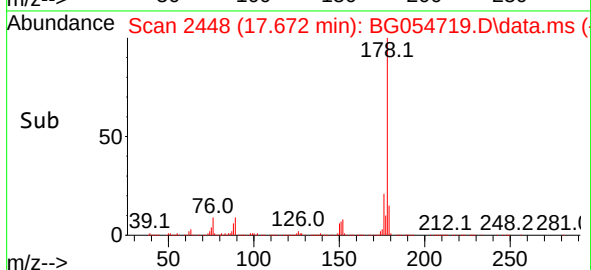
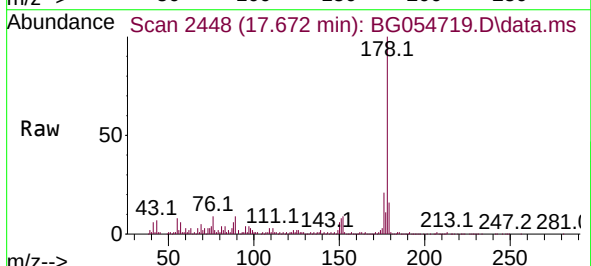
Tgt Ion:178 Resp: 140343

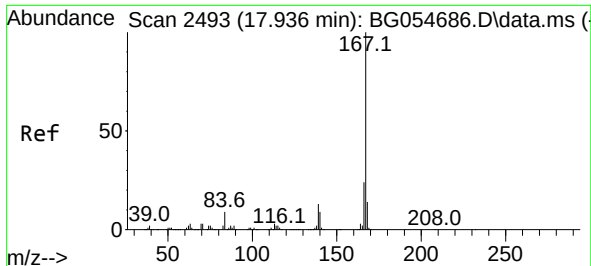
Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

179 15.7 12.9 19.3

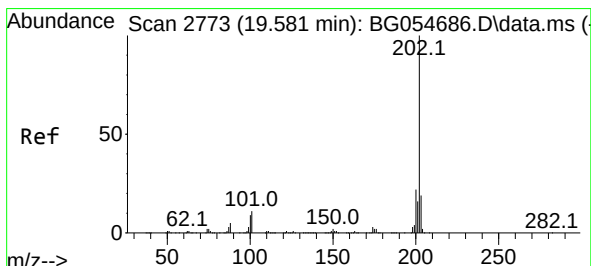
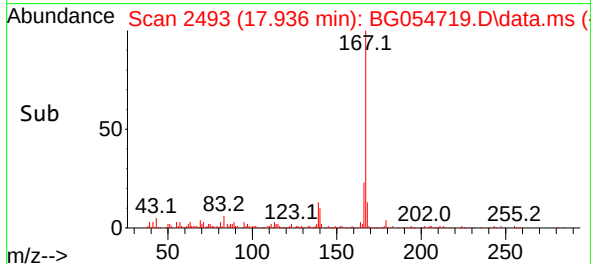
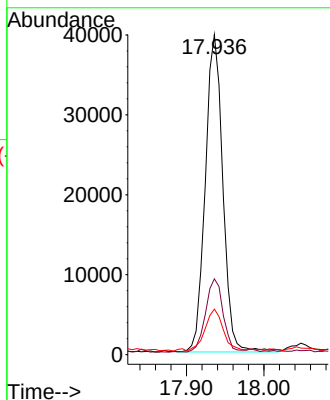
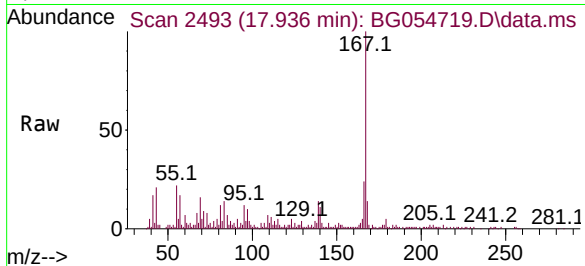




#73
 Carbazole
 Concen: 4.301 ng
 RT: 17.936 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

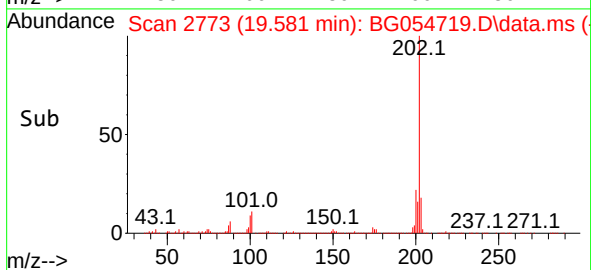
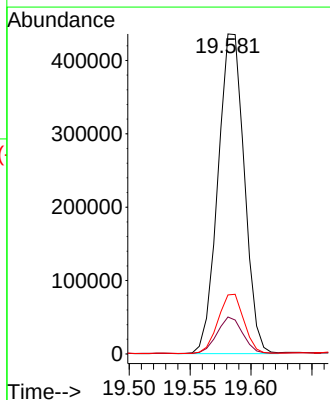
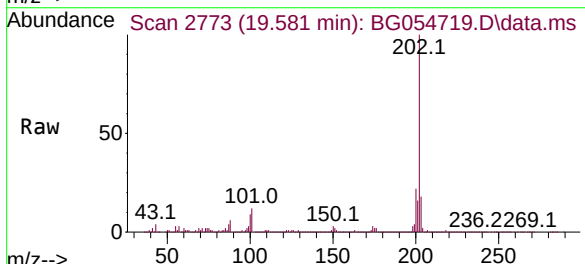
Instrument :
 MSVOA_D
 ClientSampleId :

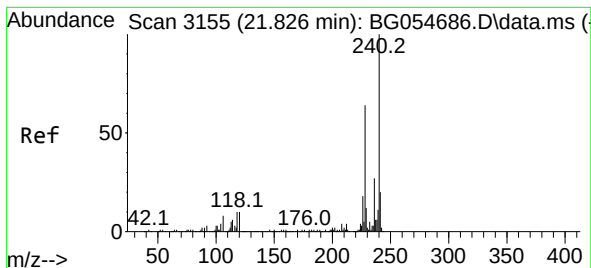
Tgt Ion:	167	Resp:	62460
Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.8	28.2
139	14.2	10.2	15.4



#75
 Fluoranthene
 Concen: 32.998 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

Tgt Ion:	202	Resp:	655286
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	18.5	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.831 min Scan# 3155

Delta R.T. 0.005 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

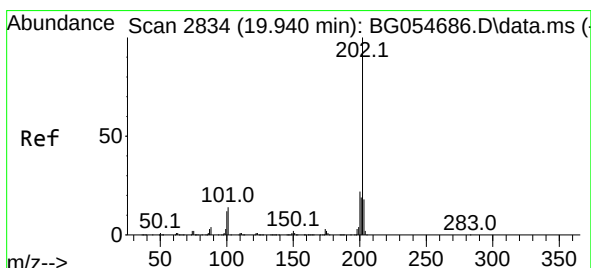
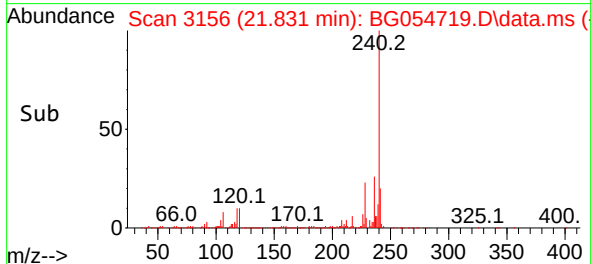
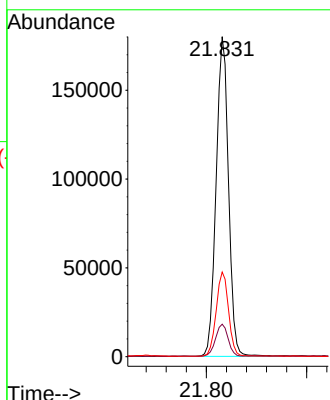
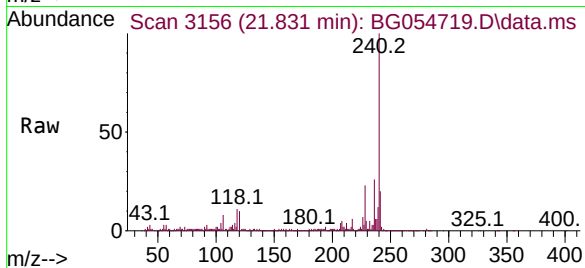
Tgt Ion:240 Resp: 307313

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.4

236 26.5 21.2 31.8



#78

Pyrene

Concen: 26.003 ng

RT: 19.945 min Scan# 2835

Delta R.T. 0.005 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

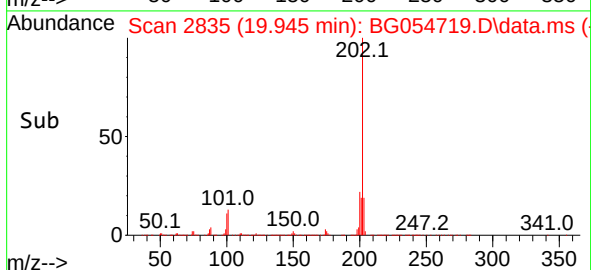
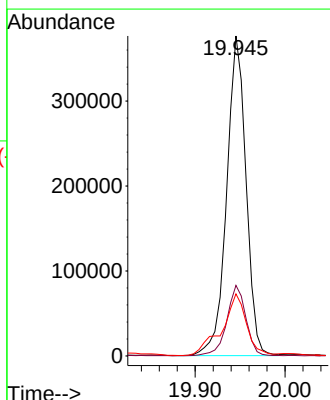
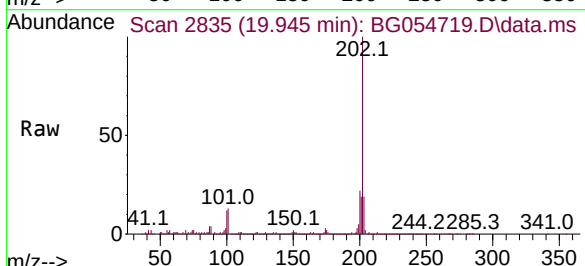
Tgt Ion:202 Resp: 563668

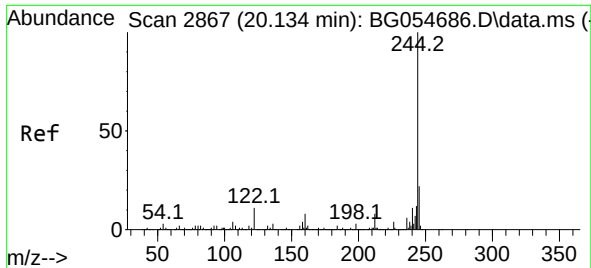
Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.6

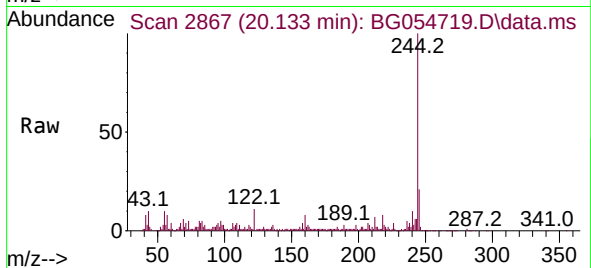
203 19.4 14.6 21.8



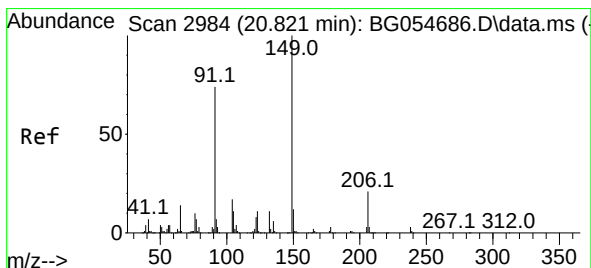
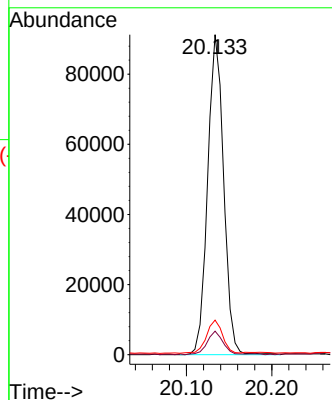
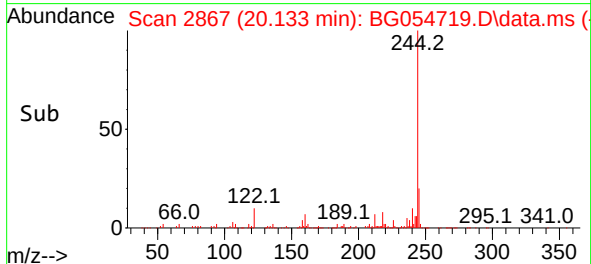


#79
 Terphenyl-d14
 Concen: 7.676 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

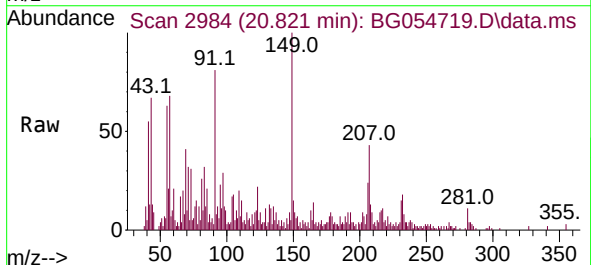
Instrument :
 MSVOA_D
 ClientSampleId :



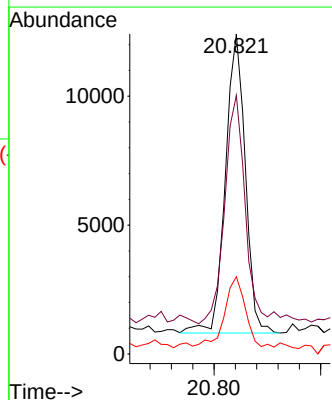
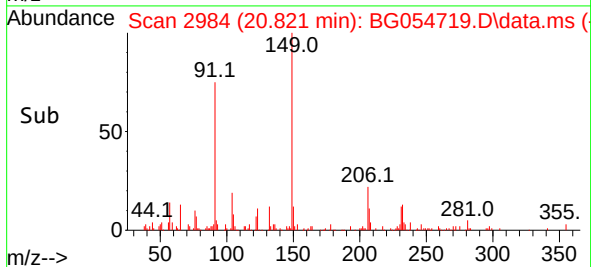
Tgt Ion:244 Resp: 118747
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 10.8 9.0 13.6

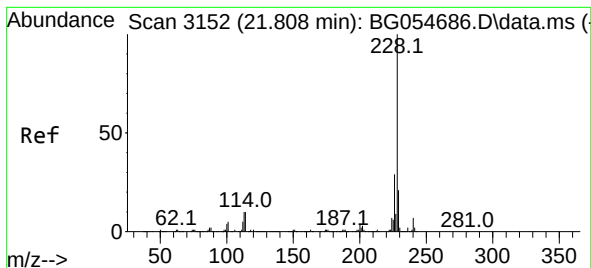


#80
 Butylbenzylphthalate
 Concen: 7.035 ng
 RT: 20.821 min Scan# 2984
 Delta R.T. -0.000 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06



Tgt Ion:149 Resp: 15035
 Ion Ratio Lower Upper
 149 100
 91 80.8 59.5 89.3
 206 24.2 16.6 25.0





#81

Benzo(a)anthracene

Concen: 14.896 ng

RT: 21.808 min Scan# 3152

Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

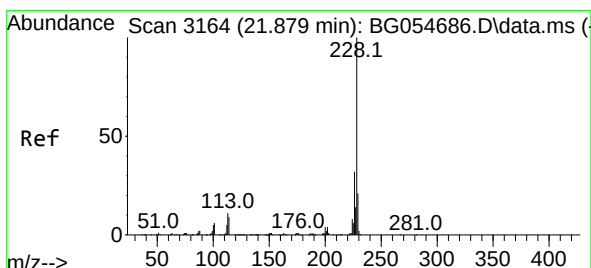
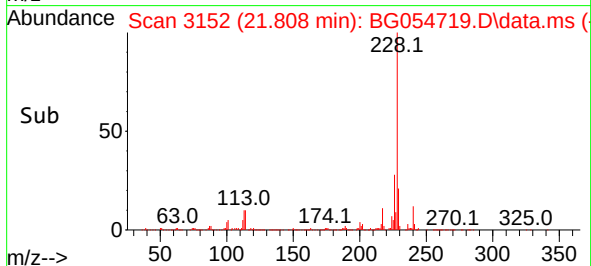
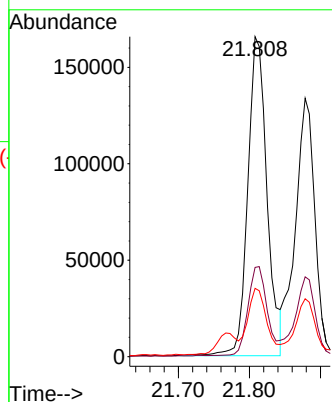
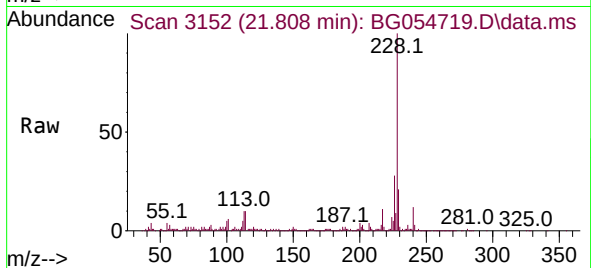
Tgt Ion:228 Resp: 310903

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.2

229 21.3 16.5 24.7



#83

Chrysene

Concen: 12.736 ng

RT: 21.878 min Scan# 3164

Delta R.T. -0.000 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

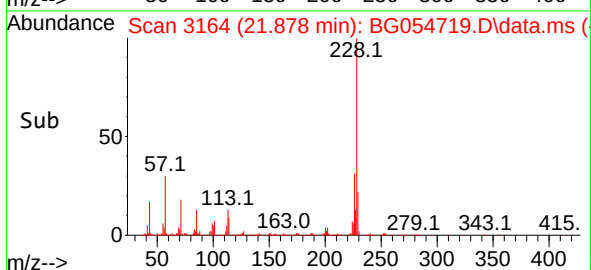
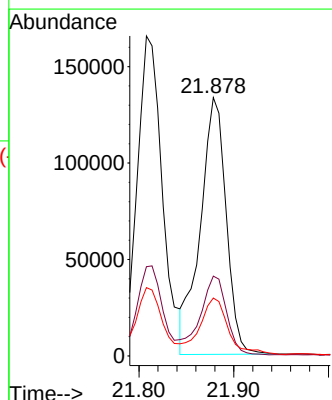
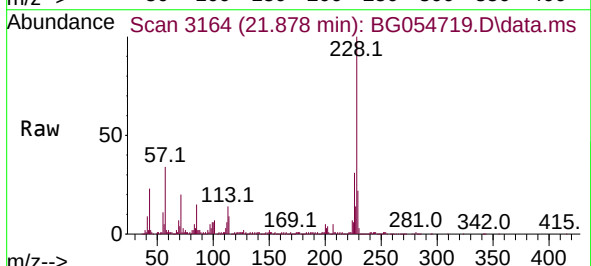
Tgt Ion:228 Resp: 252976

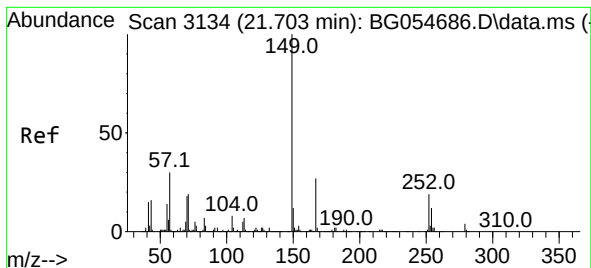
Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

229 22.4 16.8 25.2

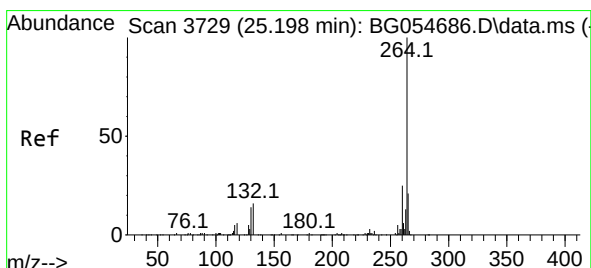
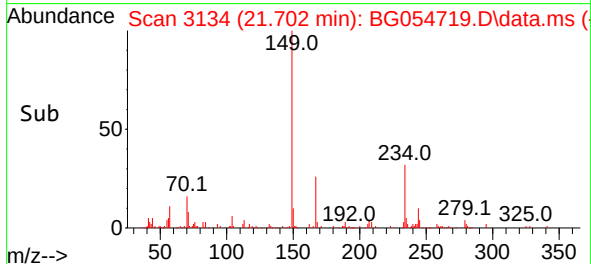
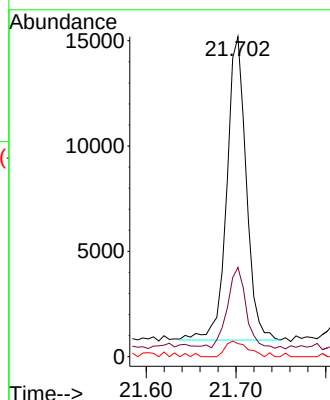
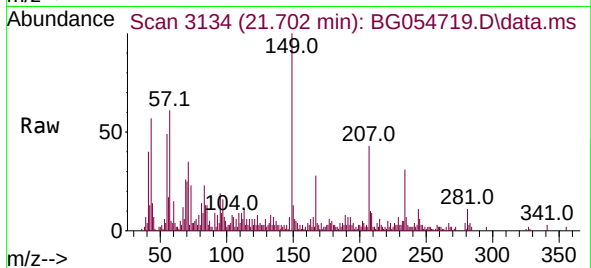




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.026 ng
 RT: 21.702 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

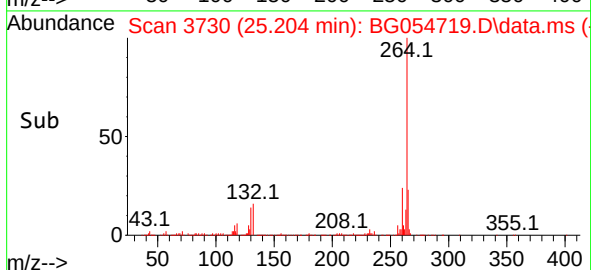
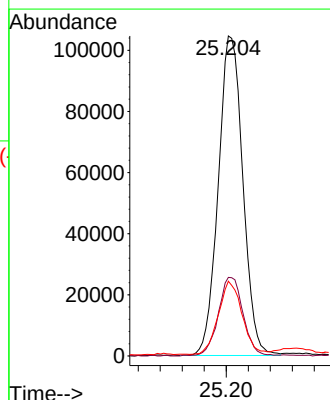
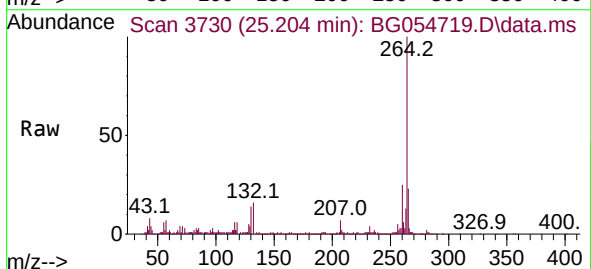
Instrument :
 MSVOA_D
 ClientSampleId :

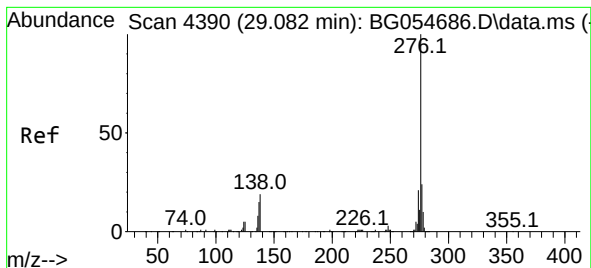
Tgt Ion:149 Resp: 21643
 Ion Ratio Lower Upper
 149 100
 167 27.9 21.4 32.0
 279 4.1 3.1 4.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.204 min Scan# 3730
 Delta R.T. 0.005 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

Tgt Ion:264 Resp: 324530
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.9 29.9
 265 23.3 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.024 ng

RT: 29.088 min Scan# 41

Delta R.T. 0.005 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

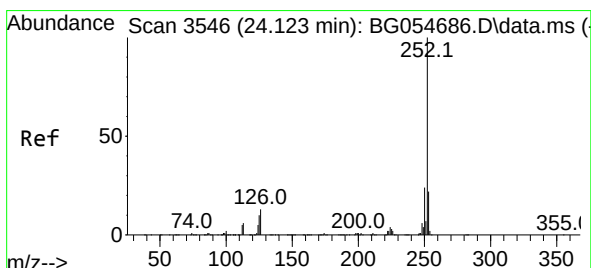
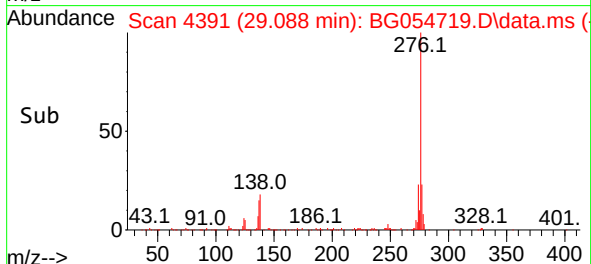
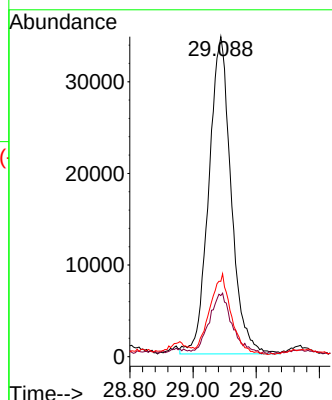
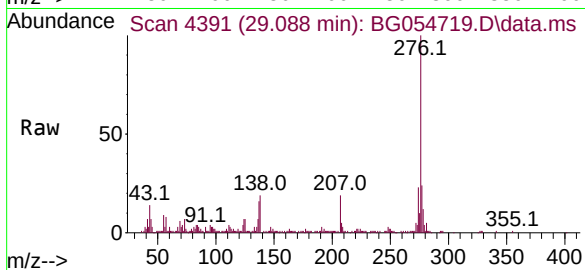
Tgt Ion:276 Resp: 170104

Ion Ratio Lower Upper

276 100

138 19.7 12.0 18.0#

277 24.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 16.076 ng

RT: 24.129 min Scan# 3547

Delta R.T. 0.005 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

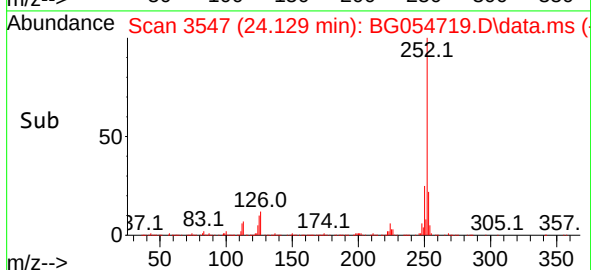
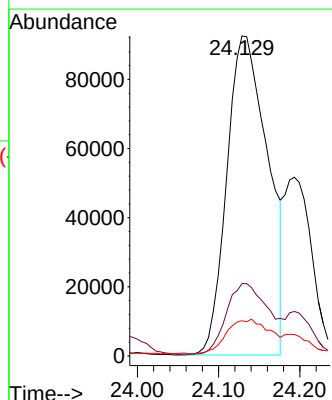
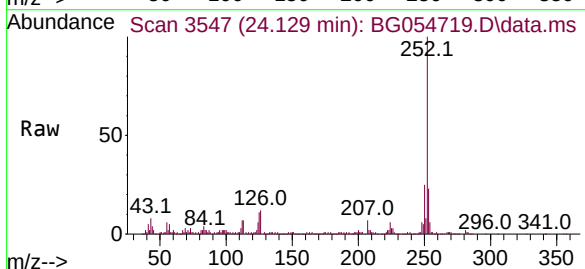
Tgt Ion:252 Resp: 323943

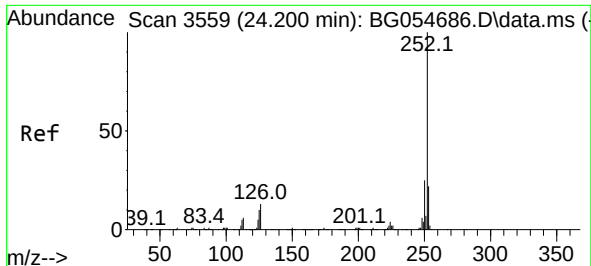
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 11.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 15.578 ng

RT: 24.129 min Scan# 3

Delta R.T. -0.071 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

Instrument :

MSVOA_D

ClientSampleId :

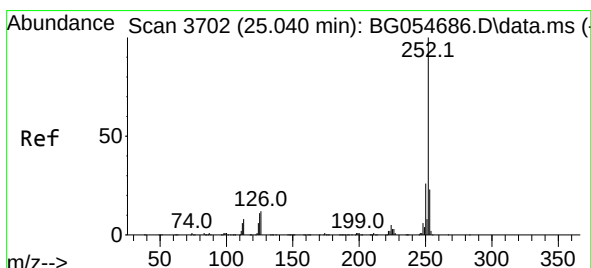
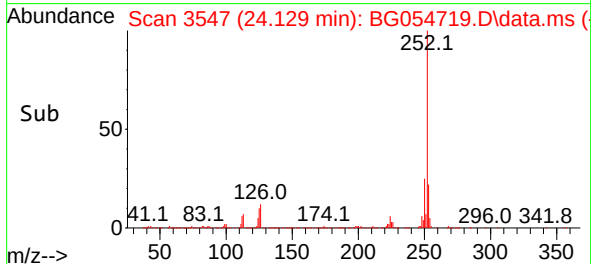
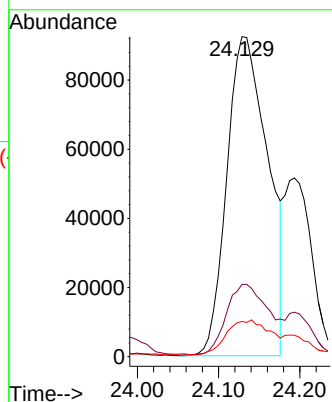
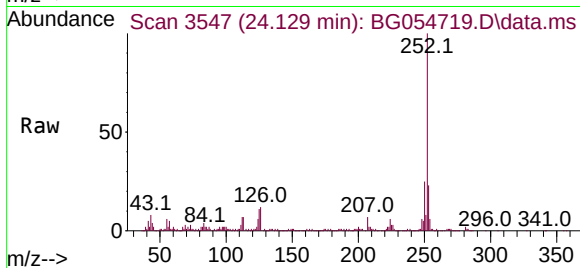
Tgt Ion:252 Resp: 323943

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.0 8.2 12.4



#90

Benzo(a)pyrene

Concen: 14.368 ng

RT: 25.045 min Scan# 3703

Delta R.T. 0.005 min

Lab File: BG054719.D

Acq: 24 Aug 2022 14:06

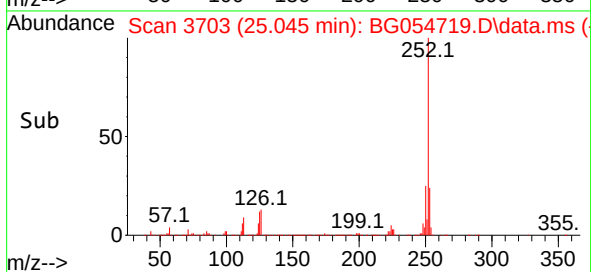
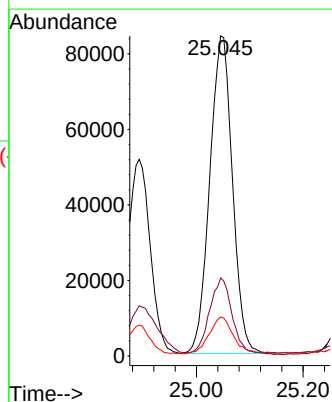
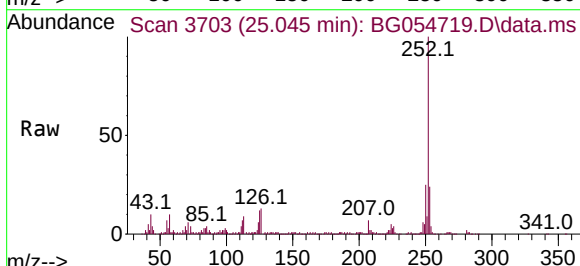
Tgt Ion:252 Resp: 248507

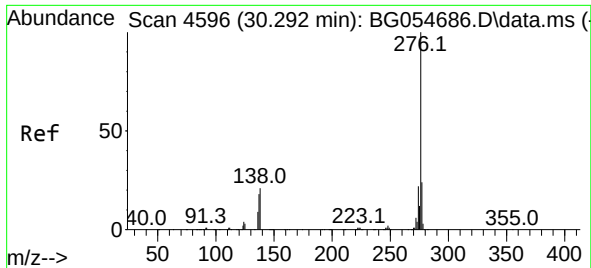
Ion Ratio Lower Upper

252 100

253 24.3 18.3 27.5

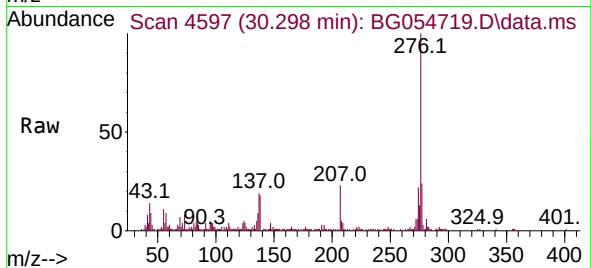
125 12.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.293 ng
 RT: 30.298 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG054719.D
 Acq: 24 Aug 2022 14:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	276	Resp:	161289
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	18.3	16.6	25.0

