

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102022\
 Data File : BP012243.D
 Acq On : 21 Oct 2022 13:48
 Operator : CG/JU
 Sample : N4755-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 21 22:31:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 20 00:51:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	283698	20.000	ng/ul	0.00
20) Naphthalene-d8	10.628	136	1095505	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.474	164	633089	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.233	188	1227318	20.000	ng/ul	0.00
79) Chrysene-d12	21.333	240	1150682	20.000	ng/ul	0.00
88) Perylene-d12	23.756	264	1443779	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	23146	3.302	ng/uL	0.00
4) Pyridine-d5	3.687	84	144265	7.142	ng/ul	0.00
7) Phenol-d5	6.992	99	529890	21.635	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.157	67	292219	19.673	ng/ul	0.00
11) 2-Chlorophenol-d4	7.351	132	422331	22.654	ng/ul	0.00
15) 4-Methylphenol-d8	8.539	113	393201	20.656	ng/ul	0.00
21) Nitrobenzene-d5	8.992	128	200029	24.667	ng/ul	0.00
24) 2-Nitrophenol-d4	9.710	143	220369	25.188	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	409378	24.946	ng/ul	0.00
31) 4-Chloroaniline-d4	10.775	131	320187	13.732	ng/ul	0.00
46) Dimethylphthalate-d6	13.886	166	1174240	26.664	ng/ul	0.00
49) Acenaphthylene-d8	14.169	160	1347118	26.799	ng/ul	0.00
54) 4-Nitrophenol-d4	14.692	143	175607	21.285	ng/ul	0.00
60) Fluorene-d10	15.468	176	1014321	26.773	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	109037	15.617	ng/ul	0.00
73) Anthracene-d10	17.333	188	1492802	27.749	ng/ul	0.00
81) Pyrene-d10	19.580	212	1575560	24.049	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.597	264	1878142	25.940	ng/ul	0.01
Target Compounds						
					Qvalue	
8) Phenol	7.022	94	40310	1.573	ng/ul	94
16) Acetophenone	8.657	105	35575	1.210	ng/ul	97
30) Naphthalene	10.675	128	923499	15.762	ng/ul	98
36) 2-Methylnaphthalene	12.292	142	277173	6.953	ng/ul	99
37) 1-Methylnaphthalene	12.510	142	106753	2.682	ng/ul#	96
43) 1,1'-Biphenyl	13.304	154	105751	2.246	ng/ul	99
50) Acenaphthylene	14.198	152	1815184	32.408	ng/ul	99
52) Acenaphthene	14.539	153	346093	8.737	ng/ul	98
56) Dibenzofuran	14.874	168	718706	13.254	ng/ul	98
61) Fluorene	15.527	166	468259	10.900	ng/ul	100
71) Pentachlorophenol	16.886	266	149510	16.170	ng/ul	99
72) Phenanthrene	17.280	178	2632094	39.902	ng/ul	100
74) Anthracene	17.374	178	9106386	139.528	ng/ul	98
77) Carbazole	17.645	167	1689647	29.334	ng/ul	99
80) Fluoranthene	19.398	202	354997	4.385	ng/ul	97
82) Pyrene	19.515	202	129913	1.569	ng/ul	96
85) Benzo(a)anthracene	21.321	228	5676176	75.688	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.233	149	53002	1.174	ng/ul#	79
87) Chrysene	21.374	228	7988571	114.150	ng/ul	97
90) Benzo(b)fluoranthene	23.027	252	13897269	144.434	ng/ul#	96
91) Benzo(k)fluoranthene	23.203	252	2325629	24.520	ng/ul	93
93) Benzo(a)pyrene	23.545	252	6267427	76.172	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.274	276	7307512	76.720	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.274	278	1748219	20.359	ng/ul#	81

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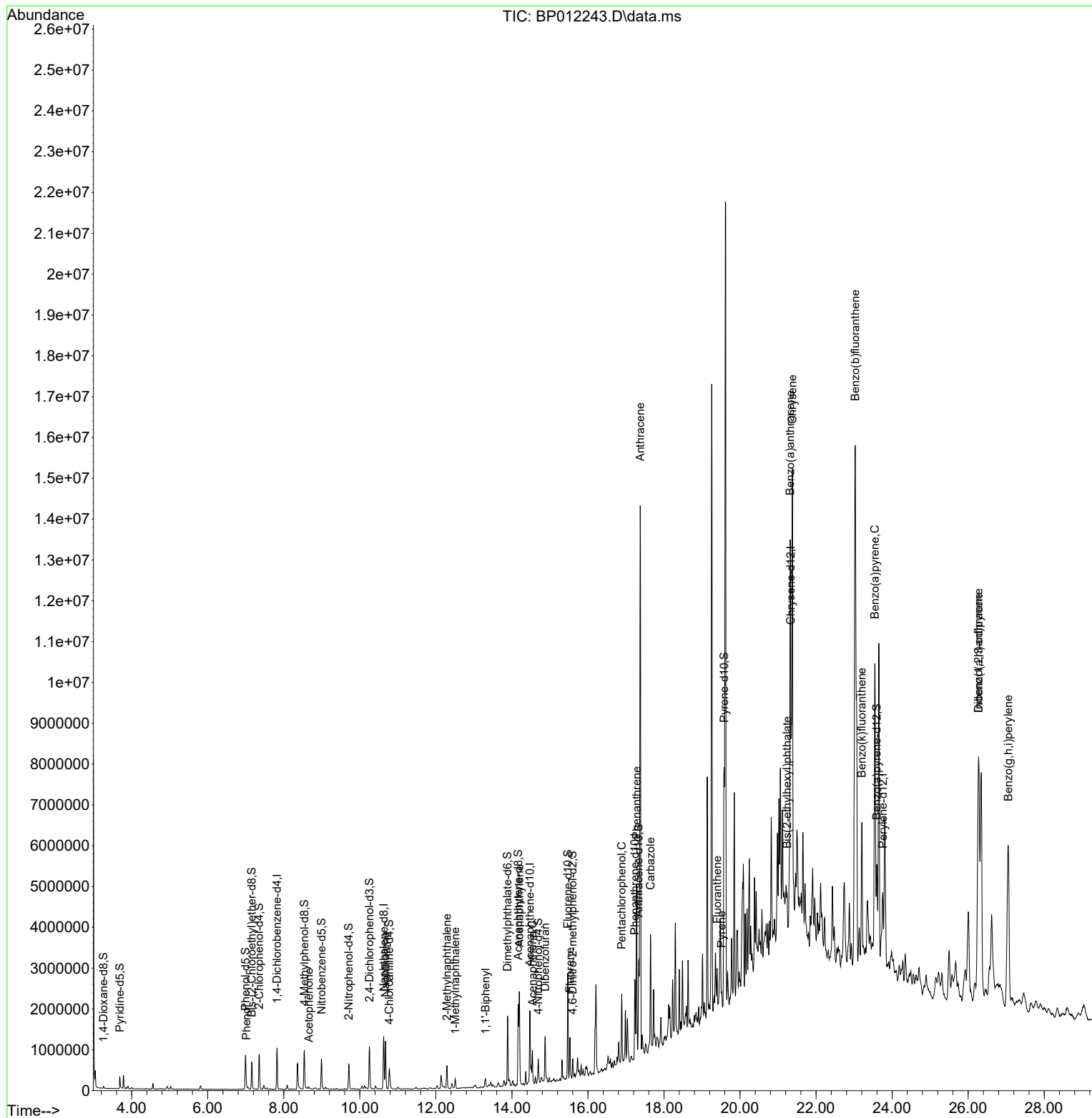
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.056	276	6149058	68.756	ng/ul	96

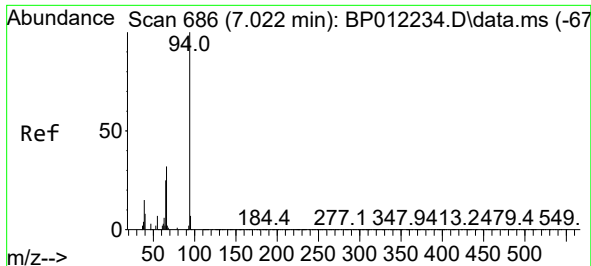
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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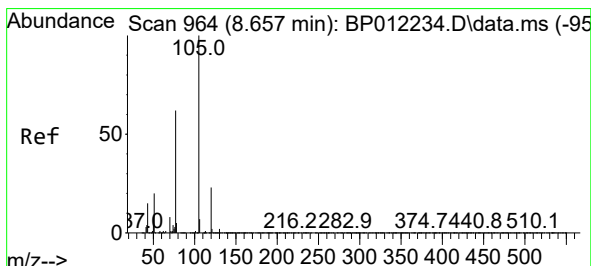
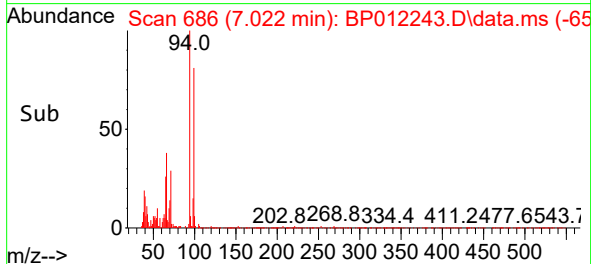
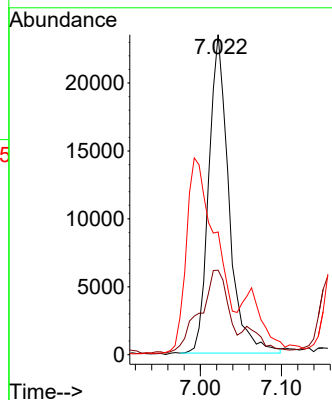
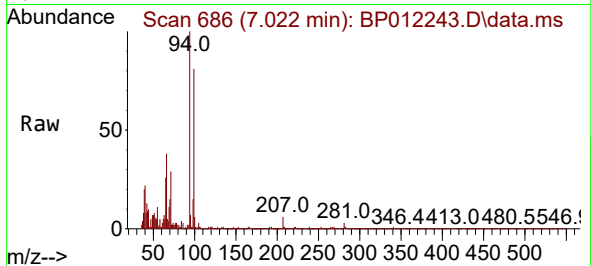




#8
Phenol
Concen: 1.573 ng/ul
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

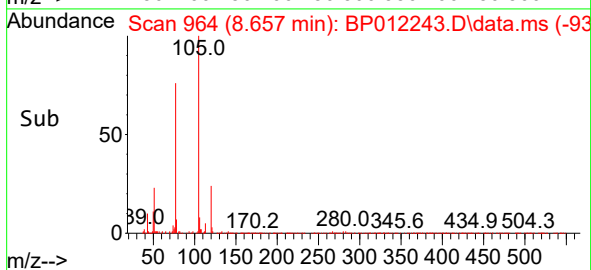
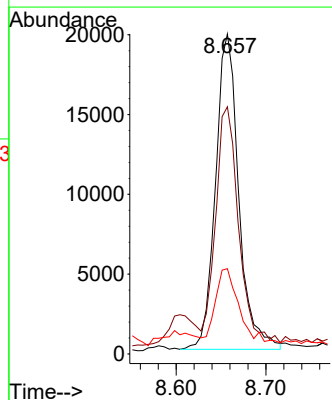
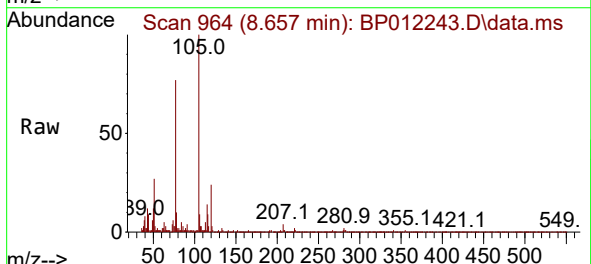
Instrument :
BNA_P
ClientSampleId :

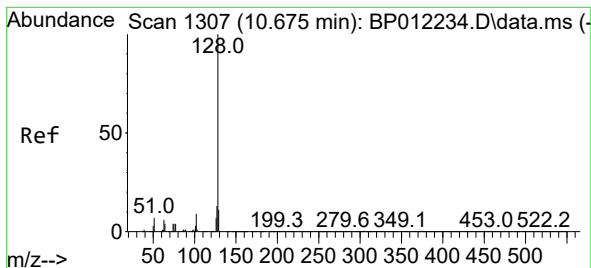
Tgt Ion: 94 Resp: 40310
Ion Ratio Lower Upper
94 100
65 26.4 20.6 31.0
66 38.4 26.2 39.4



#16
Acetophenone
Concen: 1.210 ng/ul
RT: 8.657 min Scan# 964
Delta R.T. -0.000 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

Tgt Ion: 105 Resp: 35575
Ion Ratio Lower Upper
105 100
77 77.3 60.0 90.0
51 26.6 20.1 30.1

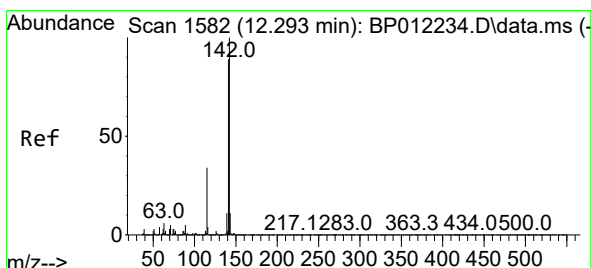
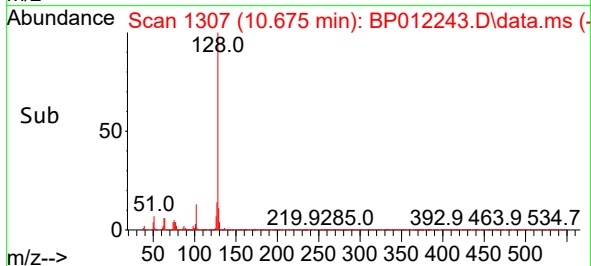
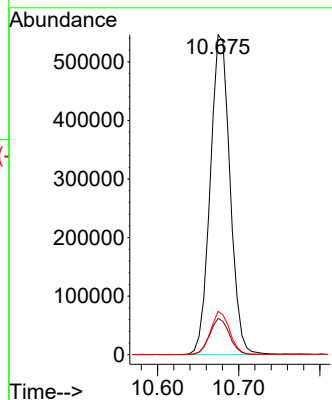
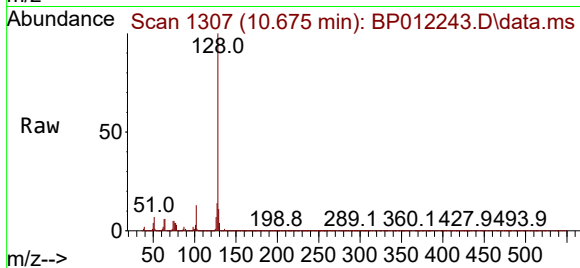




#30
Naphthalene
Concen: 15.762 ng/ul
RT: 10.675 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

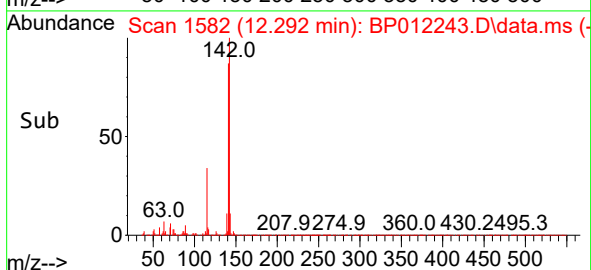
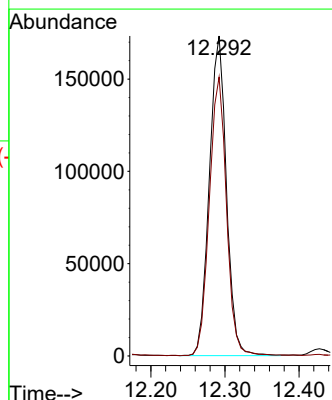
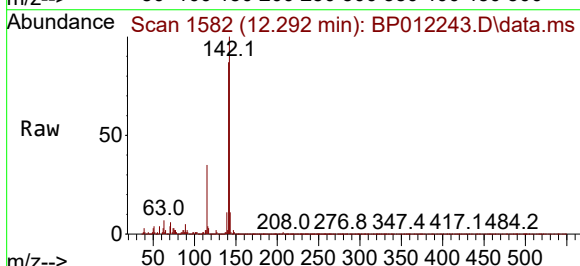
Instrument :
BNA_P
ClientSampleId :

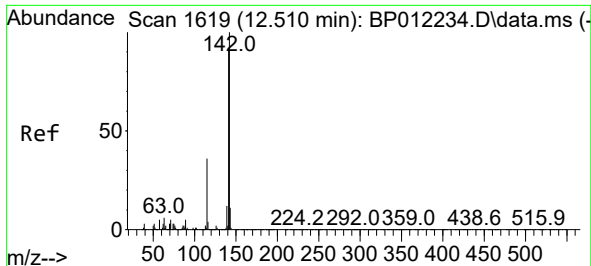
Tgt Ion:128 Resp: 923499
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.2 15.4



#36
2-Methylnaphthalene
Concen: 6.953 ng/ul
RT: 12.292 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

Tgt Ion:142 Resp: 277173
Ion Ratio Lower Upper
142 100
141 87.2 70.3 105.5





#37

1-Methylnaphthalene

Concen: 2.682 ng/ul

RT: 12.510 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

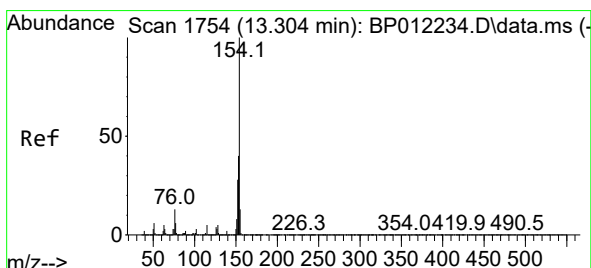
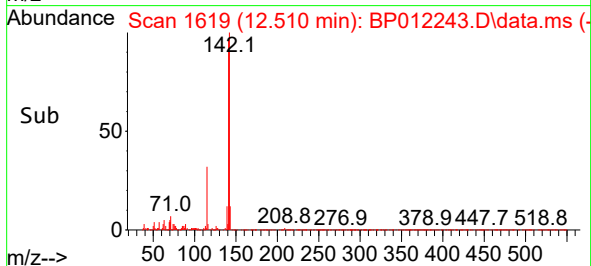
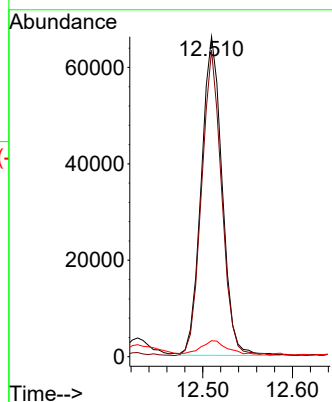
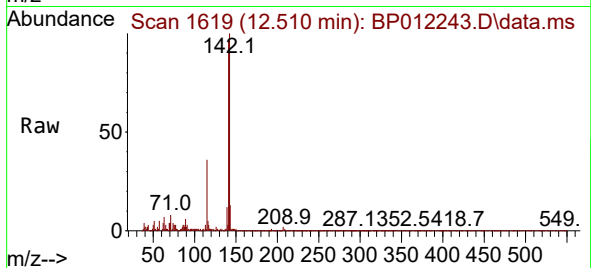
Tgt Ion:142 Resp: 106753

Ion Ratio Lower Upper

142 100

141 95.8 73.4 110.0

116 5.0 3.0 4.4#



#43

1,1'-Biphenyl

Concen: 2.246 ng/ul

RT: 13.304 min Scan# 1754

Delta R.T. -0.006 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

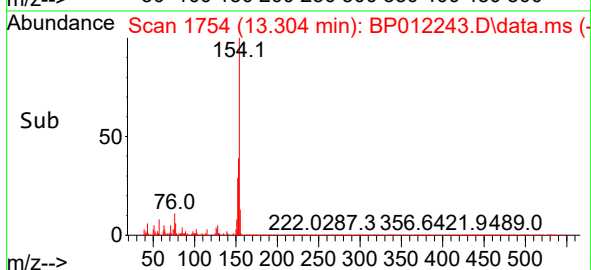
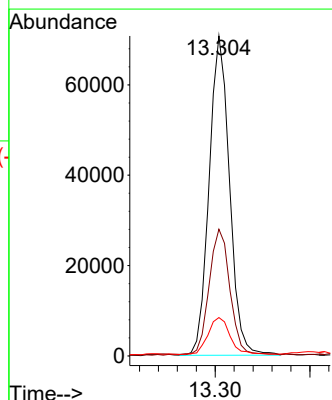
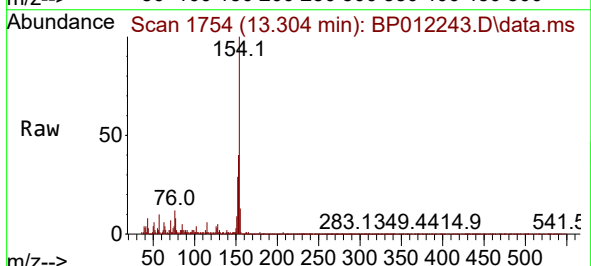
Tgt Ion:154 Resp: 105751

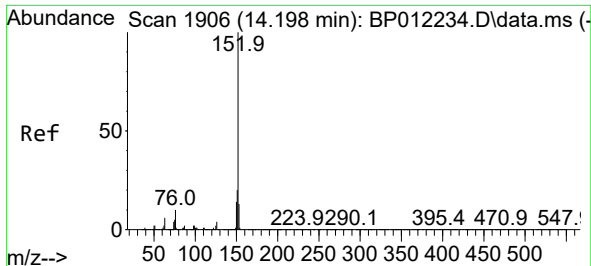
Ion Ratio Lower Upper

154 100

153 39.6 31.5 47.3

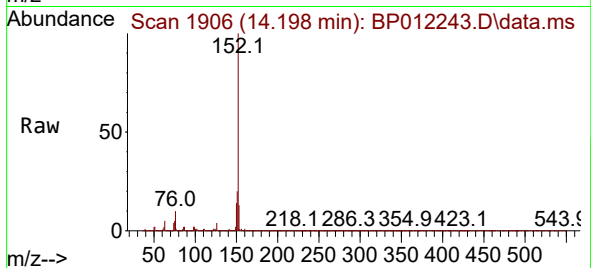
76 12.0 11.0 16.4



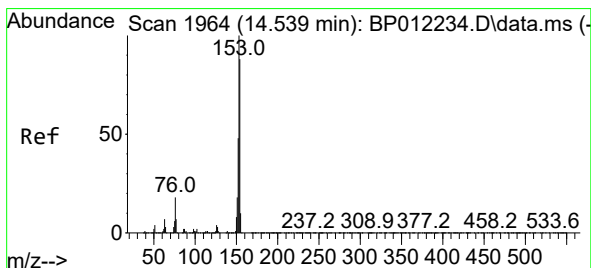
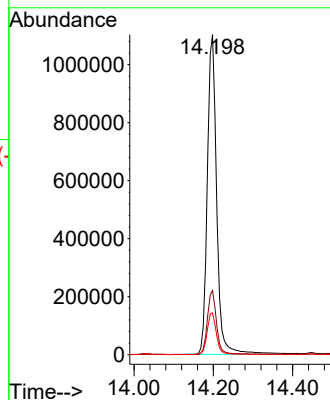
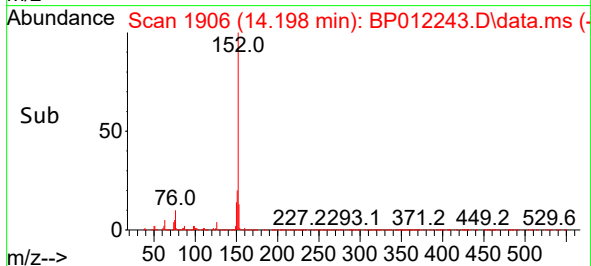


#50
Acenaphthylene
Concen: 32.408 ng/ul
RT: 14.198 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

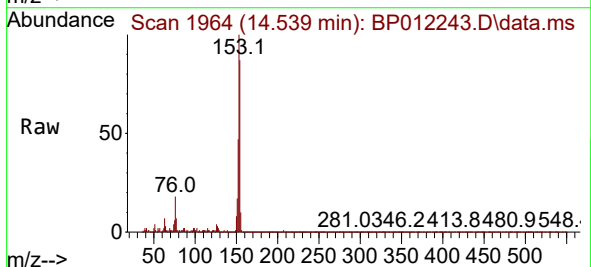
Instrument :
BNA_P
ClientSampleId :



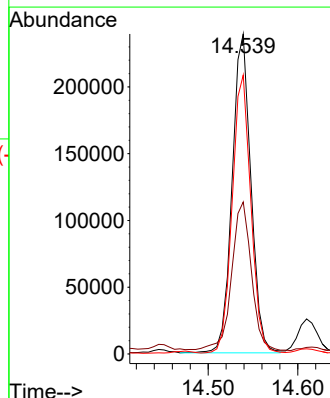
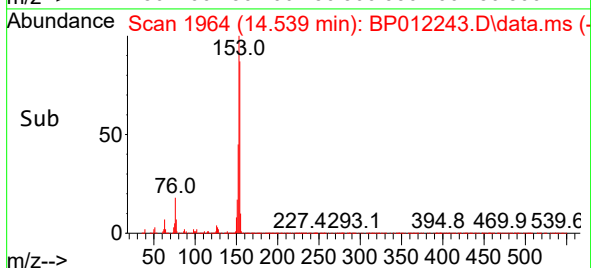
Tgt Ion:152 Resp: 1815184
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.0 10.6 16.0

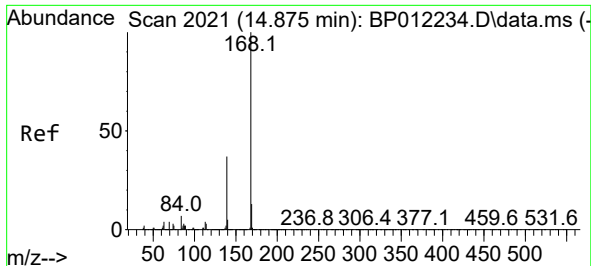


#52
Acenaphthene
Concen: 8.737 ng/ul
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48



Tgt Ion:153 Resp: 346093
Ion Ratio Lower Upper
153 100
152 47.5 38.1 57.1
154 87.1 71.4 107.2

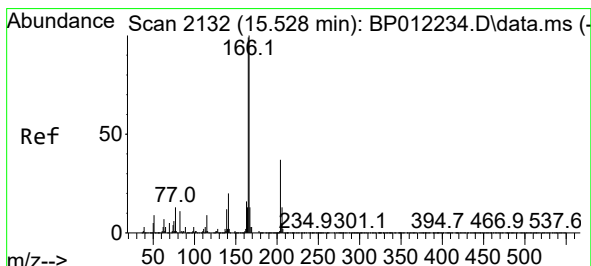
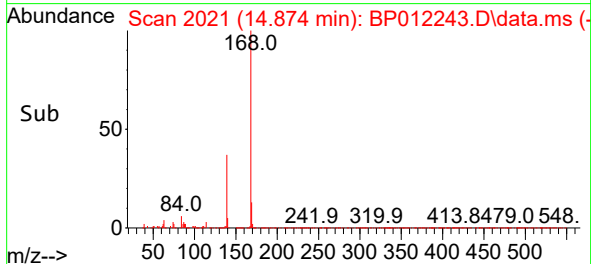
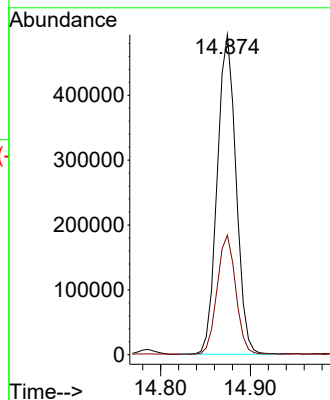
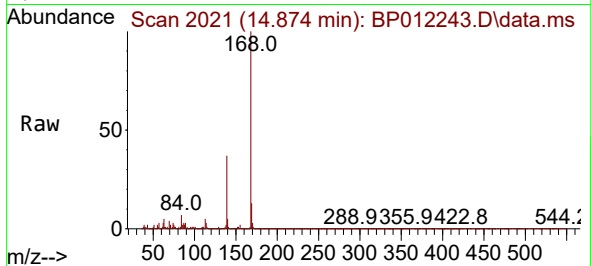




#56
Dibenzenofuran
Concen: 13.254 ng/ul
RT: 14.874 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

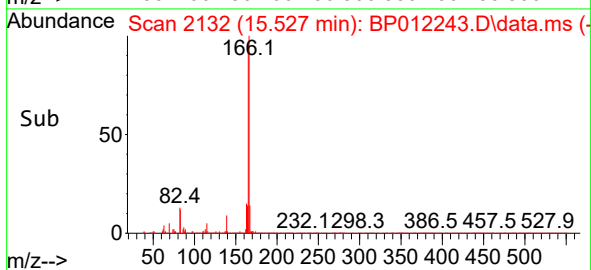
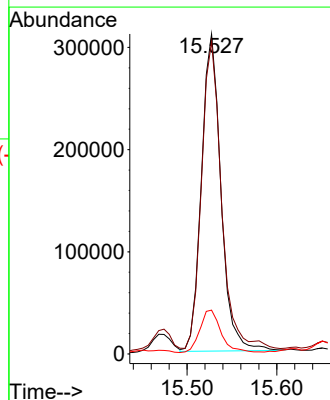
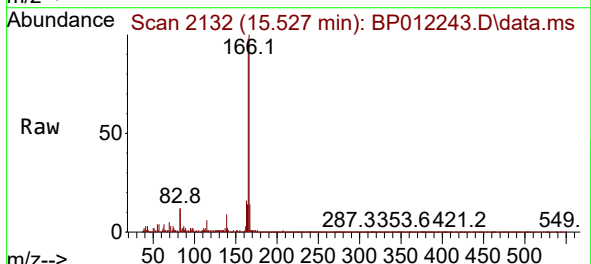
Instrument :
BNA_P
ClientSampleId :

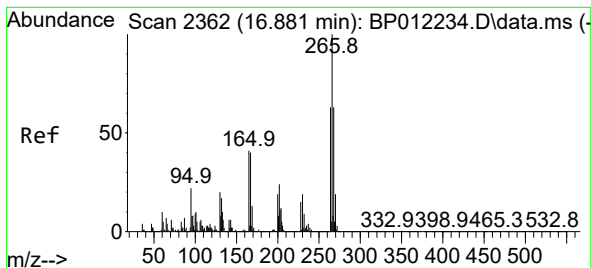
Tgt Ion:168 Resp: 718706
Ion Ratio Lower Upper
168 100
139 37.3 29.0 43.4



#61
Fluorene
Concen: 10.900 ng/ul
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
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Tgt Ion:166 Resp: 468259
Ion Ratio Lower Upper
166 100
165 97.6 78.0 117.0
167 13.7 10.7 16.1





#71

Pentachlorophenol

Concen: 16.170 ng/ul

RT: 16.886 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

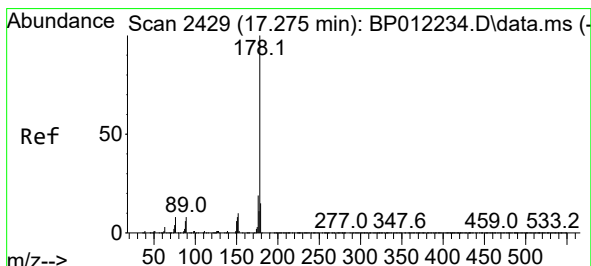
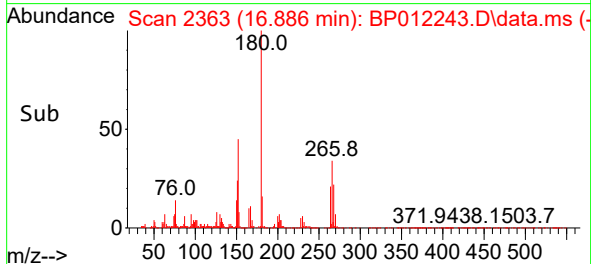
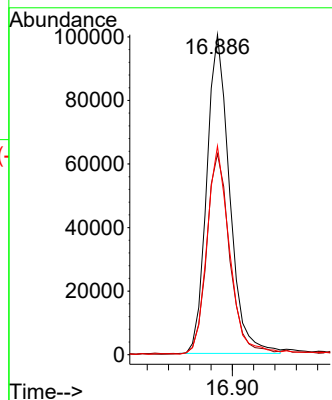
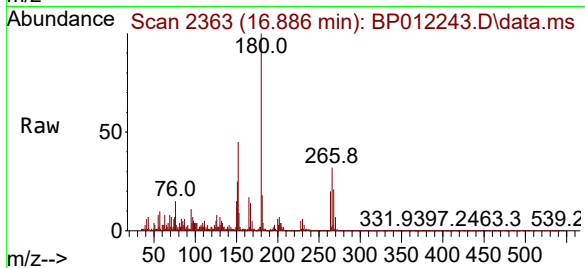
Tgt Ion:266 Resp: 149510

Ion Ratio Lower Upper

266 100

264 62.8 50.1 75.1

268 65.2 50.6 76.0



#72

Phenanthrene

Concen: 39.902 ng/ul

RT: 17.280 min Scan# 2430

Delta R.T. -0.000 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

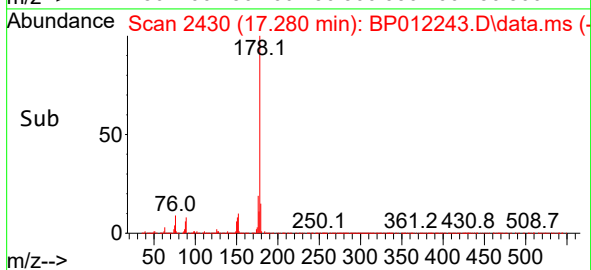
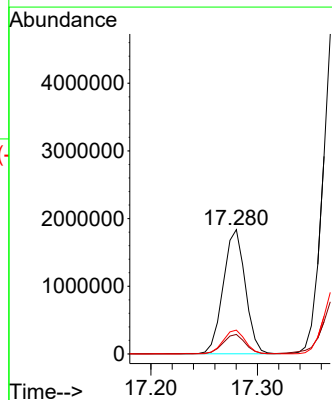
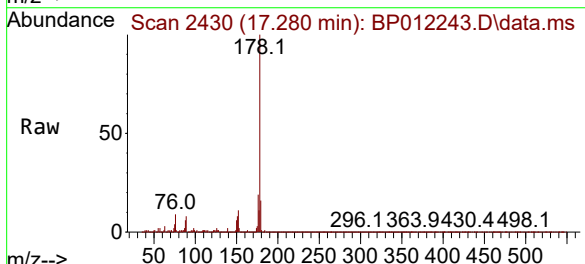
Tgt Ion:178 Resp: 2632094

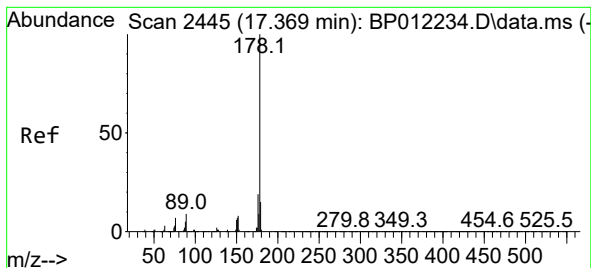
Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

176 19.1 15.6 23.4





#74

Anthracene

Concen: 139.528 ng/ul

RT: 17.374 min Scan# 2446

Delta R.T. -0.000 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

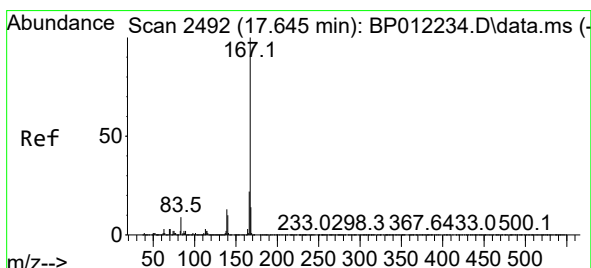
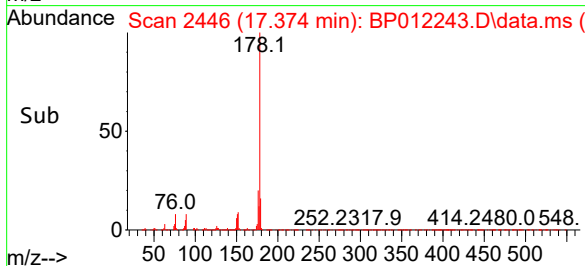
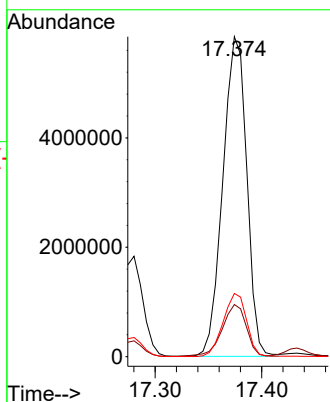
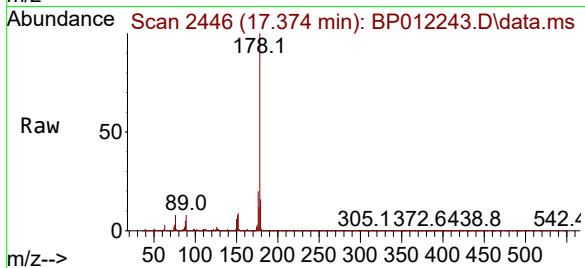
Tgt Ion:178 Resp: 9106386

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

176 19.8 15.0 22.4



#77

Carbazole

Concen: 29.334 ng/ul

RT: 17.645 min Scan# 2492

Delta R.T. -0.006 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

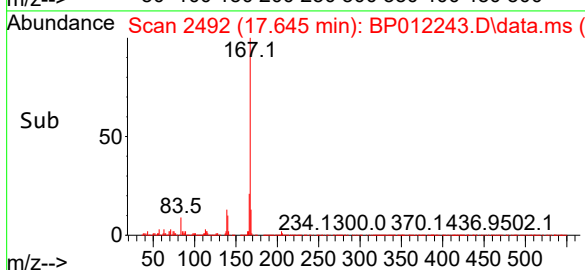
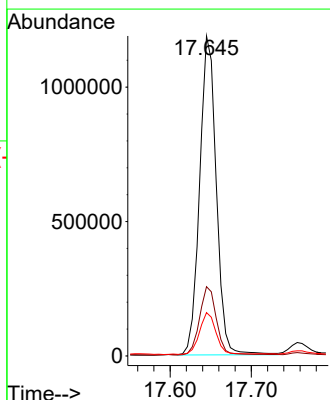
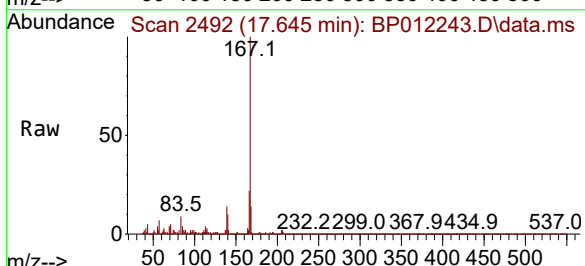
Tgt Ion:167 Resp: 1689647

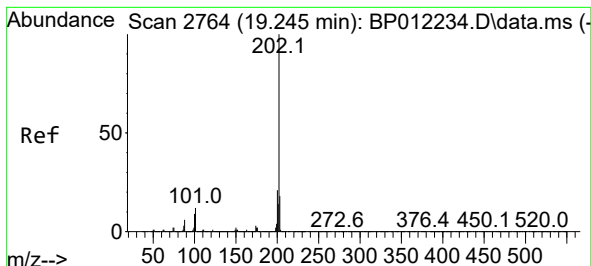
Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

139 13.5 10.2 15.4





#80

Fluoranthene

Concen: 4.385 ng/ul

RT: 19.398 min Scan# 21

Delta R.T. 0.147 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

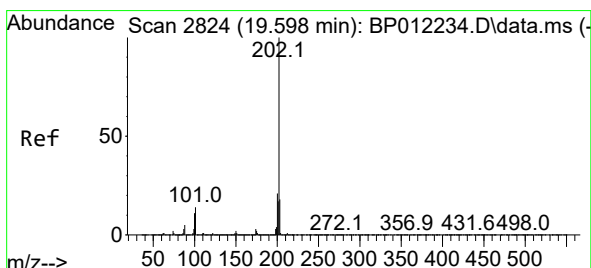
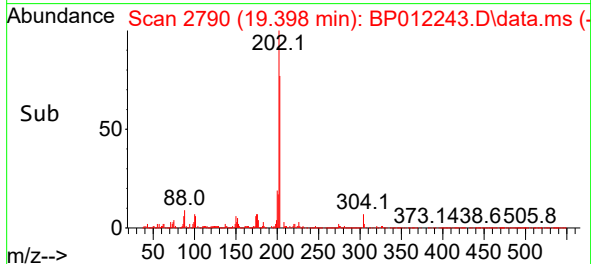
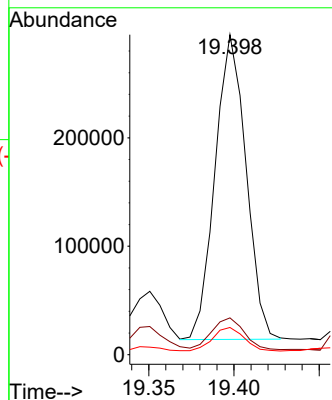
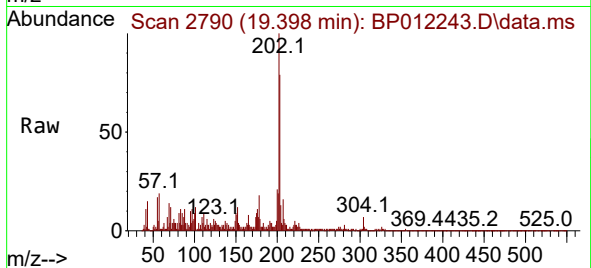
Tgt Ion:202 Resp: 354997

Ion Ratio Lower Upper

202 100

101 11.5 10.4 15.6

100 8.5 7.7 11.5



#82

Pyrene

Concen: 1.569 ng/ul

RT: 19.515 min Scan# 2810

Delta R.T. -0.089 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

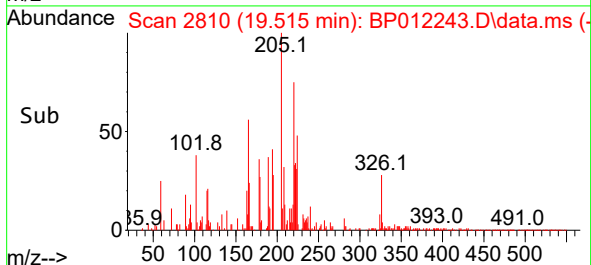
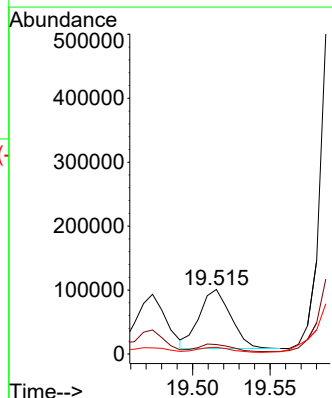
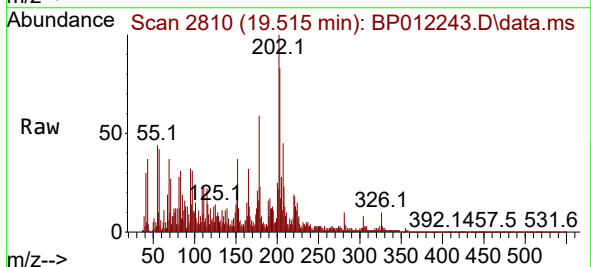
Tgt Ion:202 Resp: 129913

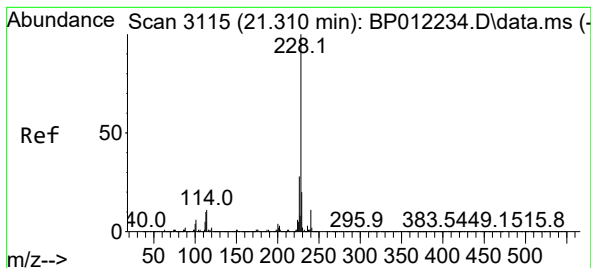
Ion Ratio Lower Upper

202 100

101 14.7 12.3 18.5

100 10.2 10.0 15.0





#85

Benzo(a)anthracene

Concen: 75.688 ng/ul

RT: 21.321 min Scan# 3117

Delta R.T. 0.006 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

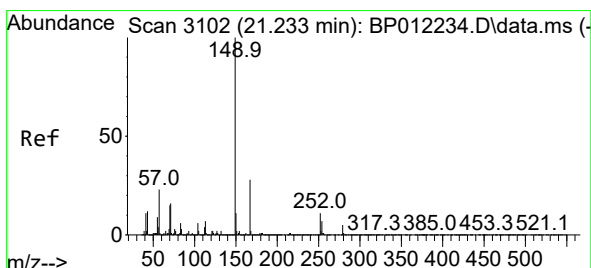
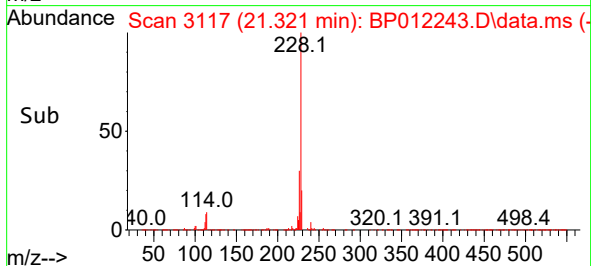
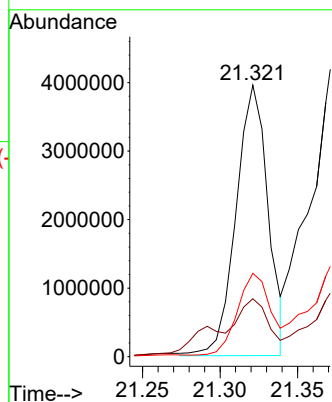
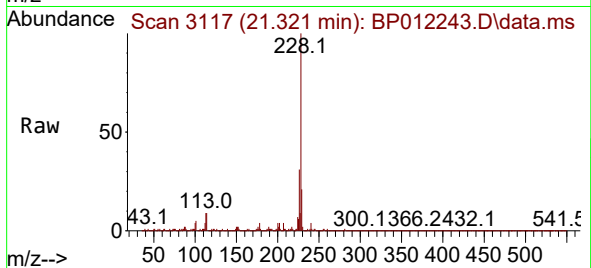
Tgt Ion:228 Resp: 5676176

Ion Ratio Lower Upper

228 100

229 21.3 16.1 24.1

226 30.7 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.174 ng/ul

RT: 21.233 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

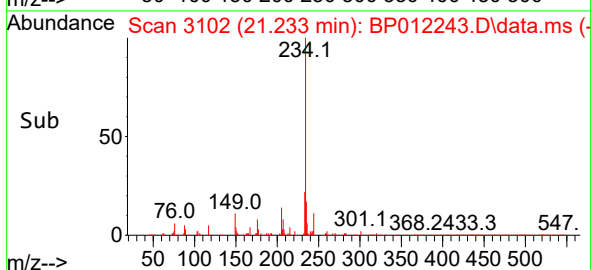
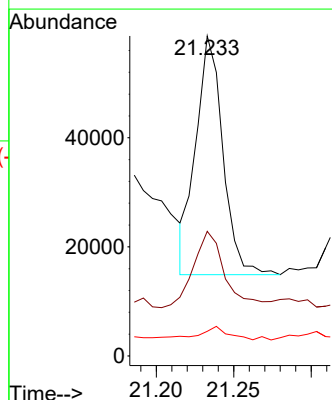
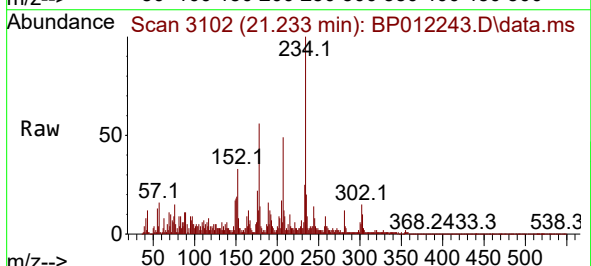
Tgt Ion:149 Resp: 53002

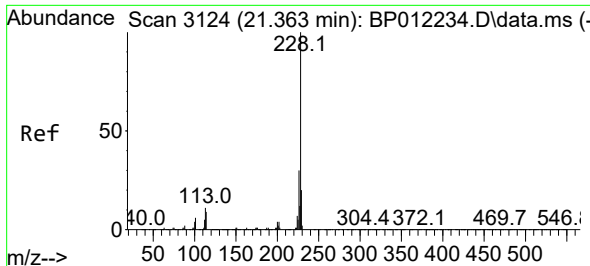
Ion Ratio Lower Upper

149 100

167 39.0 21.6 32.4#

279 7.7 3.4 5.0#

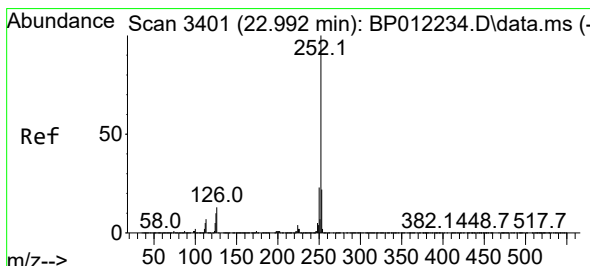
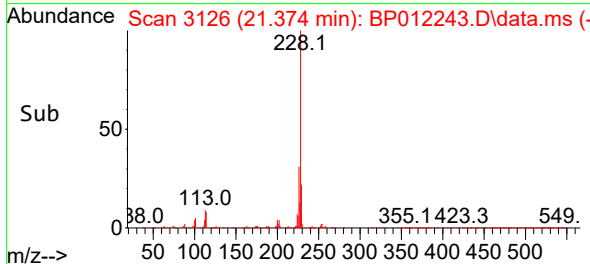
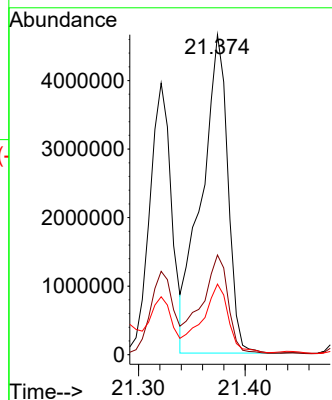
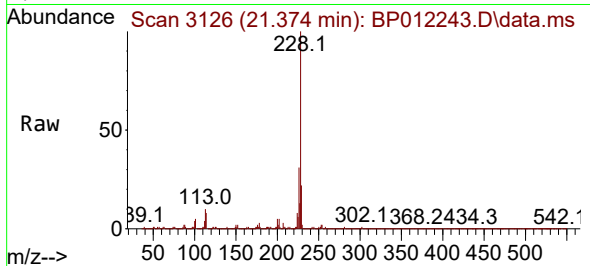




#87
Chrysene
Concen: 114.150 ng/ul
RT: 21.374 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

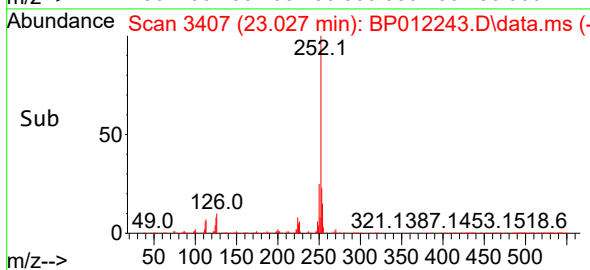
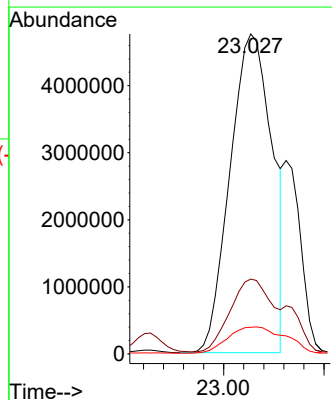
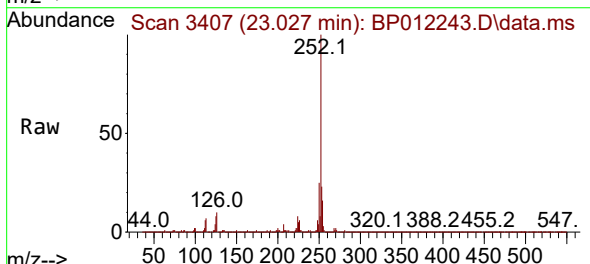
Instrument :
BNA_P
ClientSampleId :

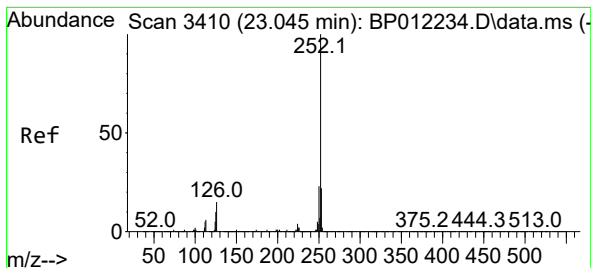
Tgt Ion:228 Resp: 7988571
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 22.1 15.8 23.8



#90
Benzo(b)fluoranthene
Concen: 144.434 ng/ul
RT: 23.027 min Scan# 3407
Delta R.T. 0.023 min
Lab File: BP012243.D
Acq: 21 Oct 2022 13:48

Tgt Ion:252 Resp:13897269
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 8.3 8.5 12.7#





#91

Benzo(k)fluoranthene

Concen: 24.520 ng/ul

RT: 23.203 min Scan# 3410

Delta R.T. 0.153 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

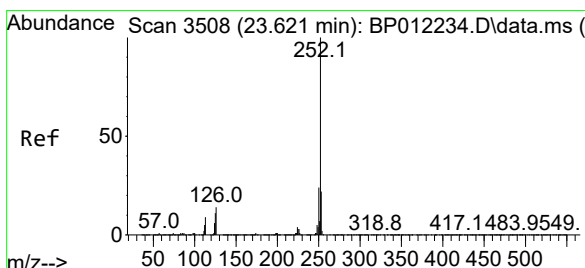
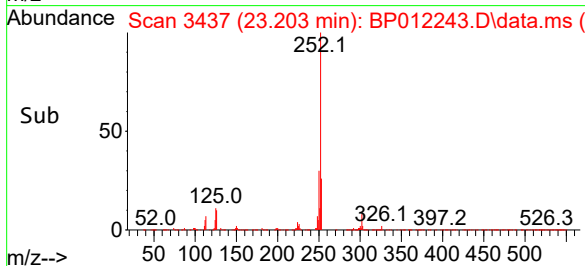
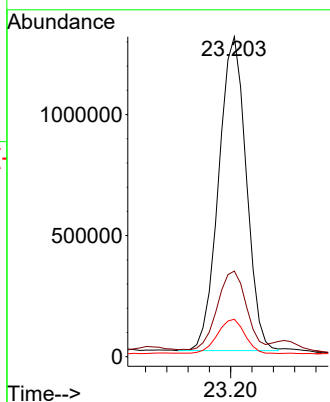
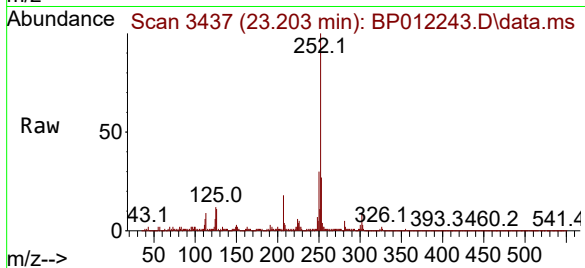
Tgt Ion:252 Resp: 2325629

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

125 11.7 8.6 13.0



#93

Benzo(a)pyrene

Concen: 76.172 ng/ul

RT: 23.545 min Scan# 3495

Delta R.T. -0.089 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

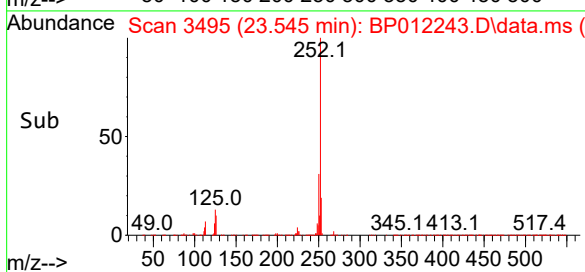
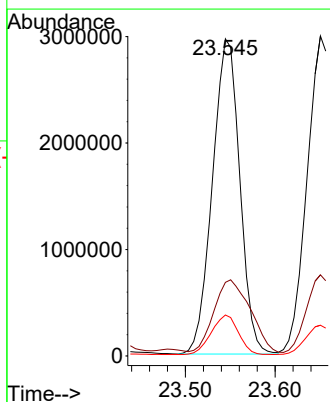
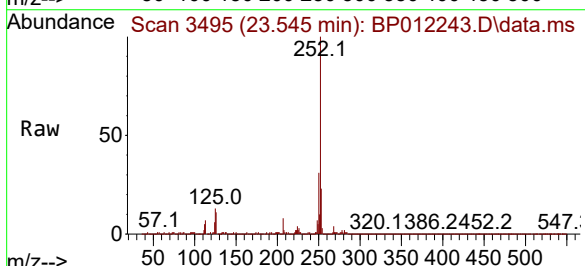
Tgt Ion:252 Resp: 6267427

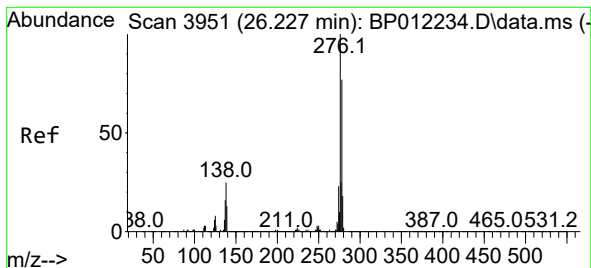
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 12.9 9.7 14.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 76.720 ng/ul

RT: 26.274 min Scan# 3959

Delta R.T. 0.029 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

Instrument :

BNA_P

ClientSampleId :

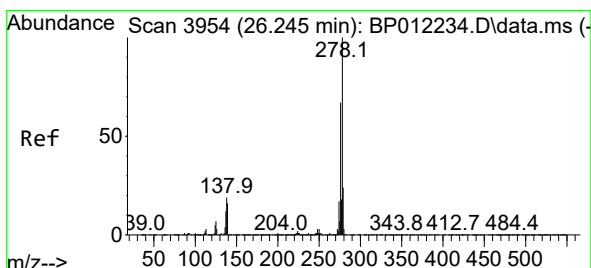
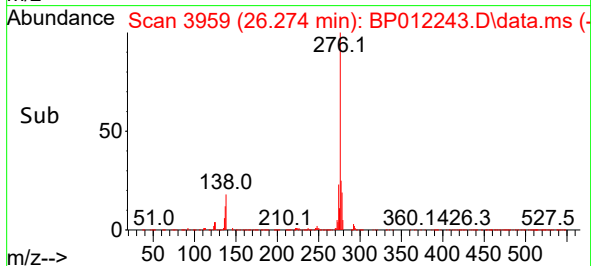
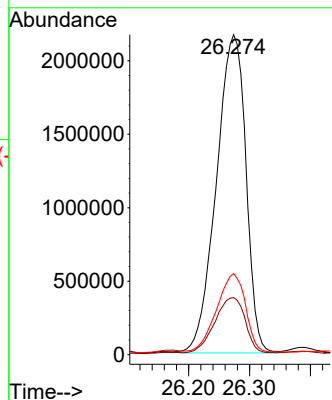
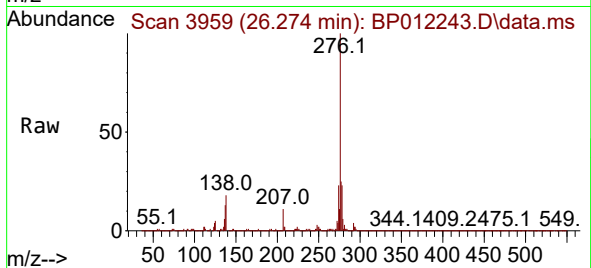
Tgt Ion:276 Resp: 7307512

Ion Ratio Lower Upper

276 100

138 17.9 20.3 30.5#

277 25.3 20.2 30.4



#95

Dibenzo(a,h)anthracene

Concen: 20.359 ng/ul

RT: 26.274 min Scan# 3959

Delta R.T. 0.011 min

Lab File: BP012243.D

Acq: 21 Oct 2022 13:48

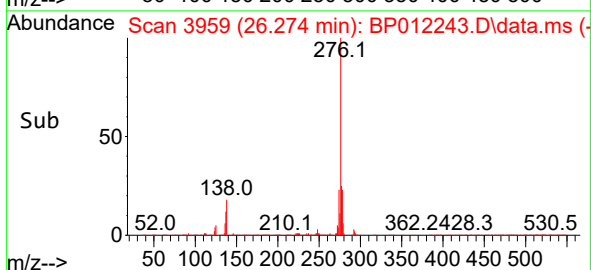
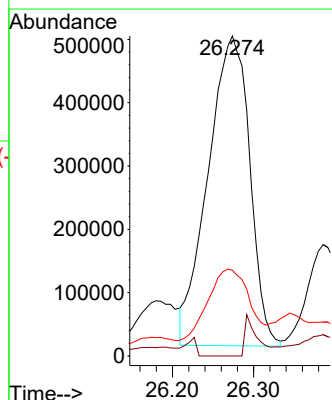
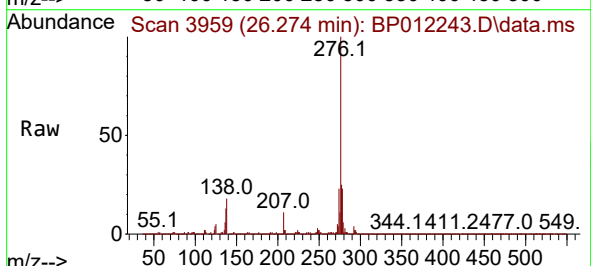
Tgt Ion:278 Resp: 1748219

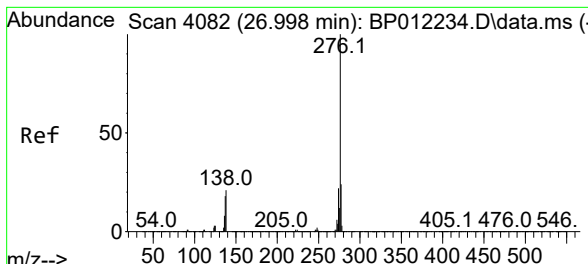
Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3#

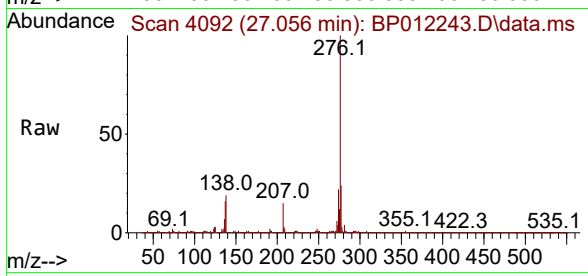
279 26.8 19.0 28.4





#96
 Benzo(g,h,i)perylene
 Concen: 68.756 ng/ul
 RT: 27.056 min Scan# 40
 Delta R.T. 0.047 min
 Lab File: BP012243.D
 Acq: 21 Oct 2022 13:48

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 6149058

Ion	Ratio	Lower	Upper
276	100		
138	18.8	17.9	26.9
277	23.6	18.9	28.3

