

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012001.D
 Acq On : 07 Oct 2022 09:26
 Operator : CG/JU
 Sample : N4923-06
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10056

Quant Time: Oct 07 23:05:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	251905	20.000	ng/ul	0.00
20) Naphthalene-d8	10.687	136	1018917	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.528	164	628934	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.287	188	1305602	20.000	ng/ul	0.00
79) Chrysene-d12	21.375	240	1300582	20.000	ng/ul	0.00
88) Perylene-d12	23.804	264	1410338	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	24504	4.290	ng/uL	0.00
4) Pyridine-d5	3.728	84	97807	5.846	ng/ul	0.01
7) Phenol-d5	7.040	99	129413	5.951	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	322977	26.794	ng/ul	0.00
11) 2-Chlorophenol-d4	7.405	132	376654	21.940	ng/ul	0.00
15) 4-Methylphenol-d8	8.587	113	237639	13.219	ng/ul	0.00
21) Nitrobenzene-d5	9.046	128	252263	32.504	ng/ul	0.00
24) 2-Nitrophenol-d4	9.769	143	248659	29.947	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	420855	27.402	ng/ul	0.00
31) 4-Chloroaniline-d4	10.828	131	554806	23.695	ng/ul	0.00
46) Dimethylphthalate-d6	13.940	166	1422036	31.618	ng/ul	0.00
49) Acenaphthylene-d8	14.216	160	1644597	32.076	ng/ul	0.00
54) 4-Nitrophenol-d4	14.740	143	63230	6.789	ng/ul	0.02
60) Fluorene-d10	15.522	176	1303537	33.374	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	165139	20.897	ng/ul	0.01
73) Anthracene-d10	17.387	188	2077985	34.940	ng/ul	0.01
81) Pyrene-d10	19.628	212	2374284	36.047	ng/ul	0.02
92) Benzo(a)pyrene-d12	23.651	264	2505720	35.492	ng/ul	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.016	77	41042	4.308	ng/ul#	1
30) Naphthalene	10.752	128	17283042	315.804	ng/ul	97
32) 4-Chloroaniline	10.752	127	2417223	100.911	ng/ul#	13
36) 2-Methylnaphthalene	12.346	142	2478478	64.849	ng/ul	100
37) 1-Methylnaphthalene	12.569	142	6204348	161.783	ng/ul	99
43) 1,1'-Biphenyl	13.357	154	1025377	22.042	ng/ul	100
50) Acenaphthylene	14.246	152	1282239	22.518	ng/ul#	96
52) Acenaphthene	14.593	153	5575223	138.772	ng/ul	99
56) Dibenzofuran	14.928	168	5021659	91.258	ng/ul	100
57) 2,4-Dinitrotoluene	14.834	165	20299	1.512	ng/ul	90
61) Fluorene	15.581	166	4902216	108.771	ng/ul	99
63) 4-Nitroaniline	15.581	138	54093	5.324	ng/ul#	28
72) Phenanthrene	17.334	178	9190279	128.086	ng/ul	97
74) Anthracene	17.422	178	4989597	69.115	ng/ul	99
77) Carbazole	17.698	167	5318516	81.538	ng/ul	98
80) Fluoranthene	19.322	202	5785773	71.776	ng/ul	96
82) Pyrene	19.657	202	5004482	59.629	ng/ul	96
85) Benzo(a)anthracene	21.357	228	1972027	23.186	ng/ul	97
87) Chrysene	21.410	228	1736605	21.757	ng/ul	98
90) Benzo(b)fluoranthene	23.063	252	1565612	17.392	ng/ul	99
91) Benzo(k)fluoranthene	23.063	252	1565612	18.061	ng/ul	99
93) Benzo(a)pyrene	23.704	252	1324702	16.490	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.339	276	662743	6.482	ng/ul	96
95) Dibenzo(a,h)anthracene	26.345	278	188294	2.073	ng/ul#	92

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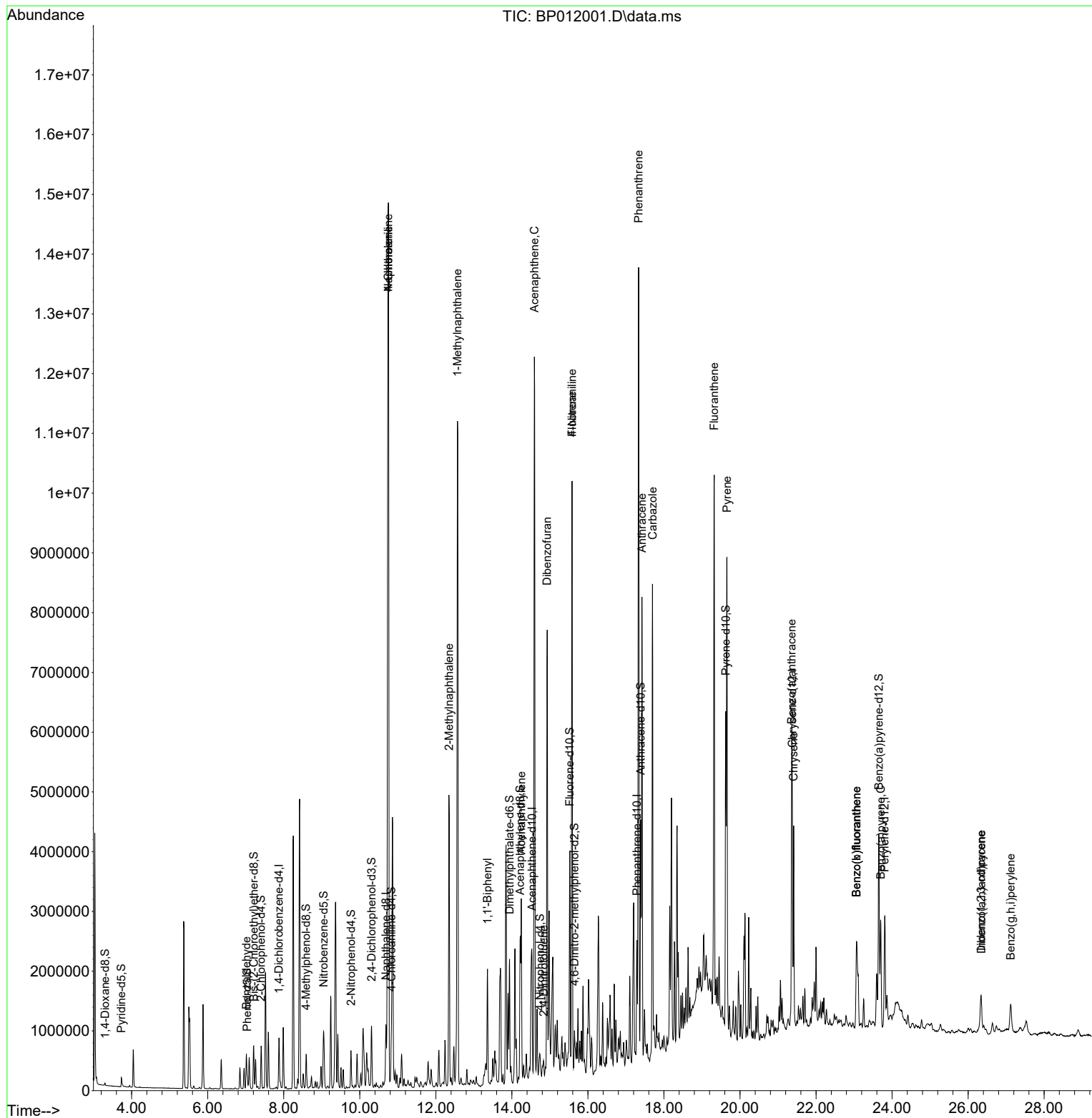
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.121	276	613842	6.772	ng/ul	97

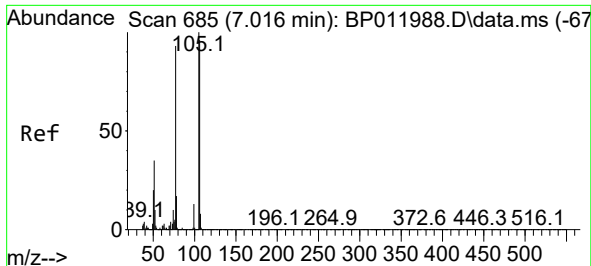
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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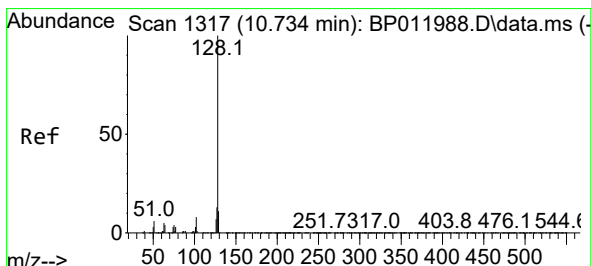
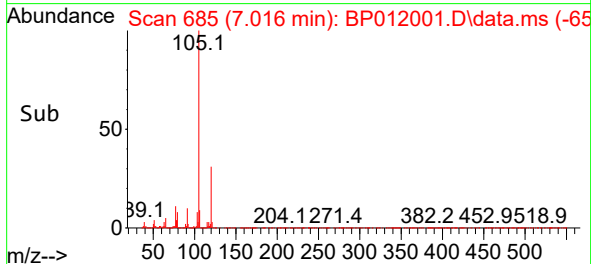
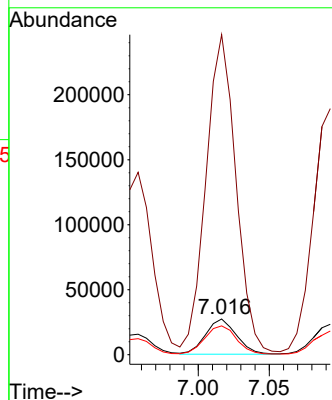
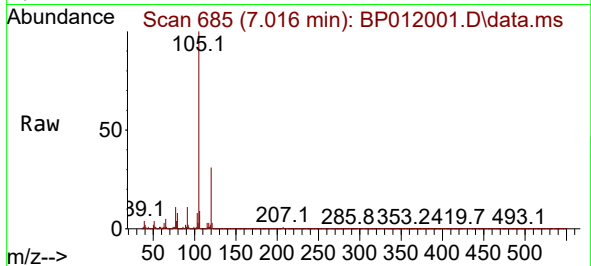




#6
Benzaldehyde
Concen: 4.308 ng/ul
RT: 7.016 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

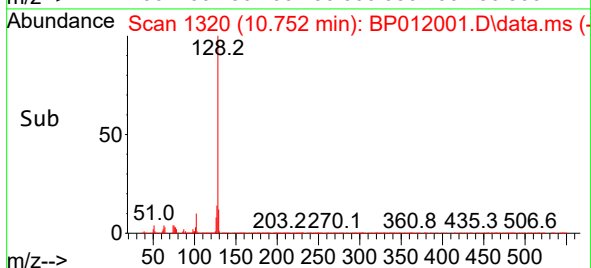
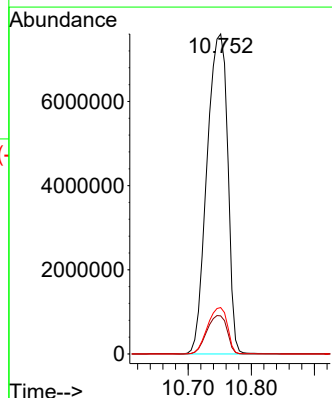
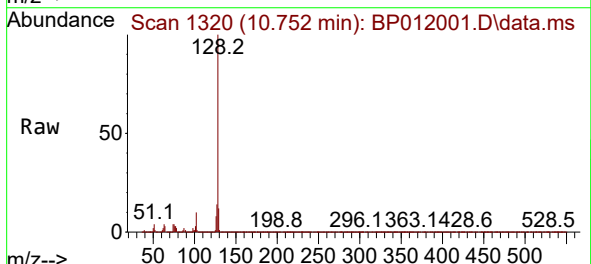
Instrument :
BNA_P
ClientSampleId :
E10056

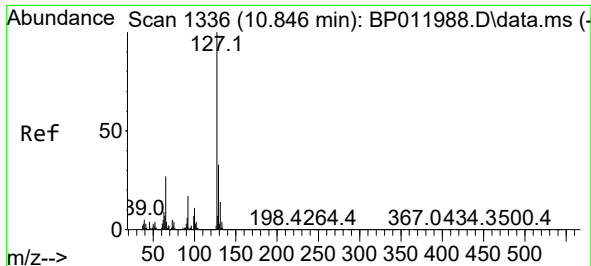
Tgt Ion: 77 Resp: 41042
Ion Ratio Lower Upper
77 100
105 895.2 87.0 130.6#
106 80.5 83.8 125.6#



#30
Naphthalene
Concen: 315.804 ng/ul
RT: 10.752 min Scan# 1320
Delta R.T. 0.018 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

Tgt Ion: 128 Resp: 17283042
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 14.5 10.5 15.7

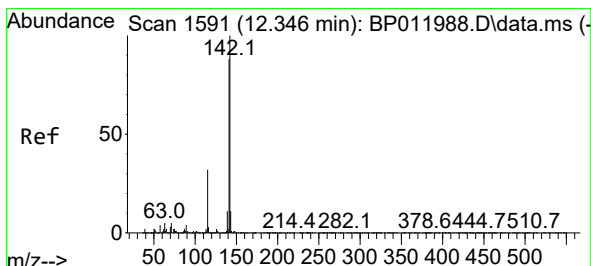
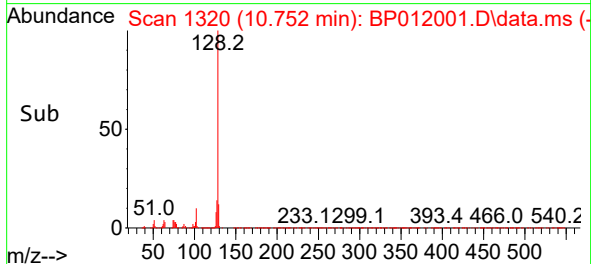
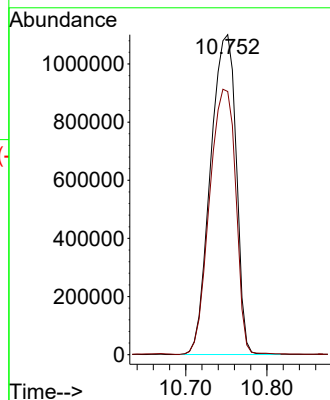
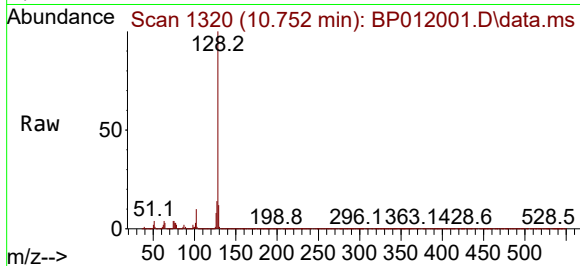




#32
4-Chloroaniline
Concen: 100.911 ng/ul
RT: 10.752 min Scan# 11
Delta R.T. -0.094 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

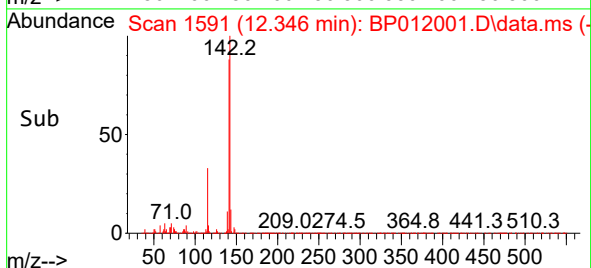
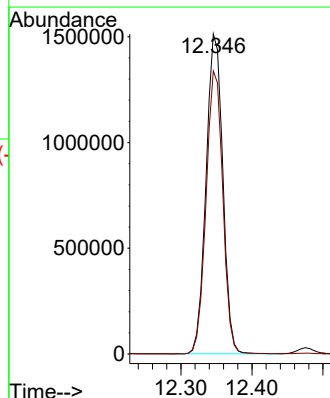
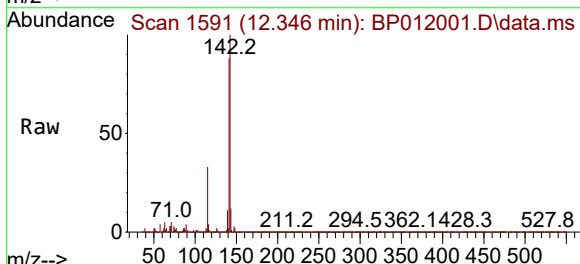
Instrument :
BNA_P
ClientSampleId :
E10056

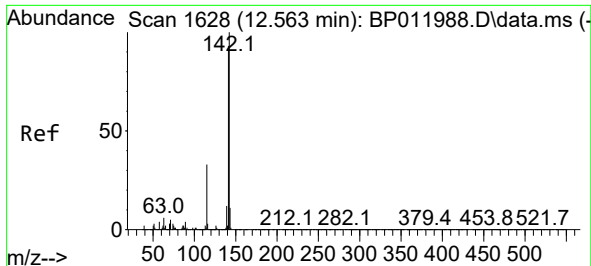
Tgt Ion:127 Resp: 2417223
Ion Ratio Lower Upper
127 100
129 82.3 26.6 39.8#



#36
2-Methylnaphthalene
Concen: 64.849 ng/ul
RT: 12.346 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

Tgt Ion:142 Resp: 2478478
Ion Ratio Lower Upper
142 100
141 88.4 70.6 106.0





#37

1-Methylnaphthalene

Concen: 161.783 ng/ul

RT: 12.569 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

Instrument :

BNA_P

ClientSampleId :

E10056

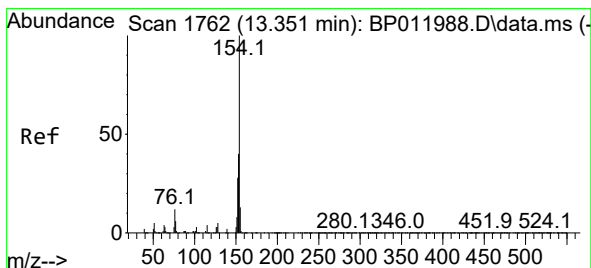
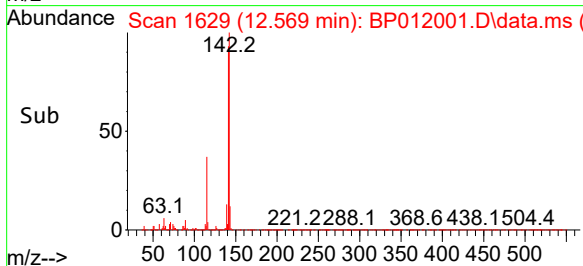
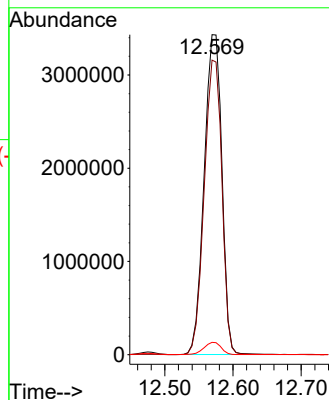
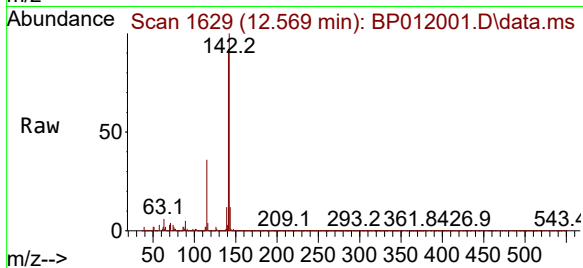
Tgt Ion:142 Resp: 6204348

Ion Ratio Lower Upper

142 100

141 92.0 74.8 112.2

116 3.9 2.9 4.3



#43

1,1'-Biphenyl

Concen: 22.042 ng/ul

RT: 13.357 min Scan# 1763

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

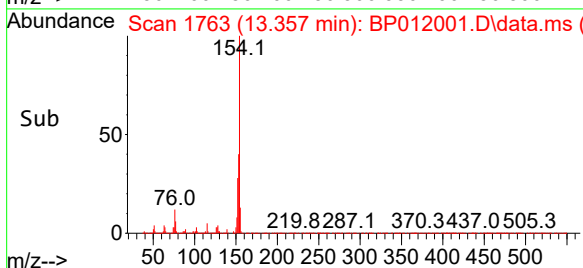
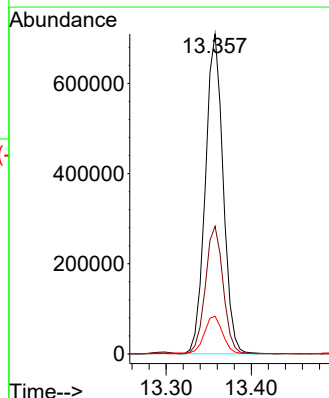
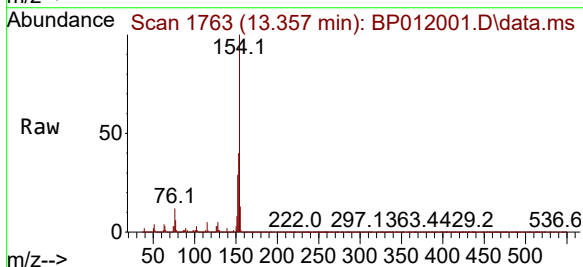
Tgt Ion:154 Resp: 1025377

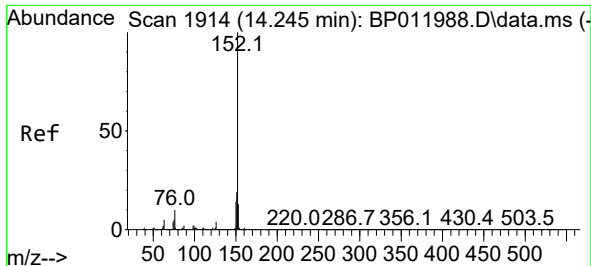
Ion Ratio Lower Upper

154 100

153 39.9 31.8 47.6

76 11.8 9.5 14.3

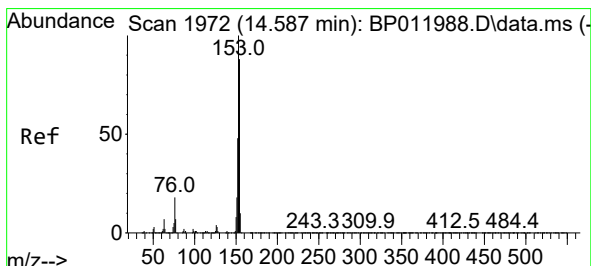
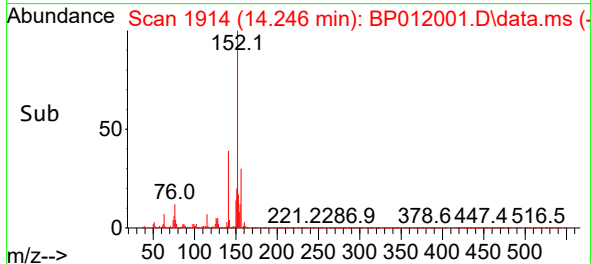
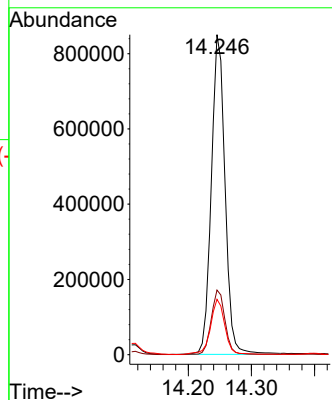
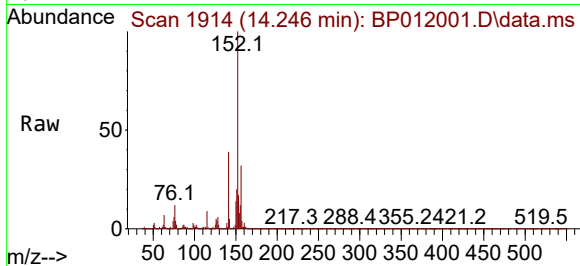




#50
Acenaphthylene
Concen: 22.518 ng/ul
RT: 14.246 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

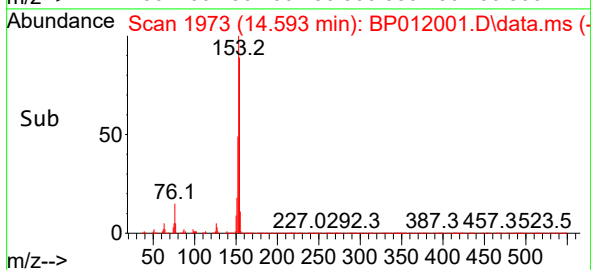
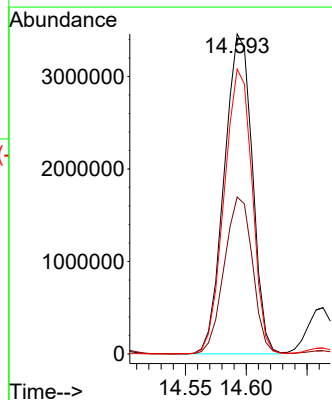
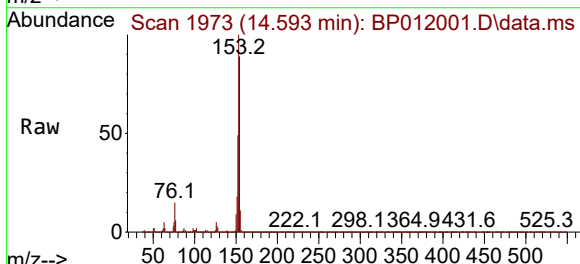
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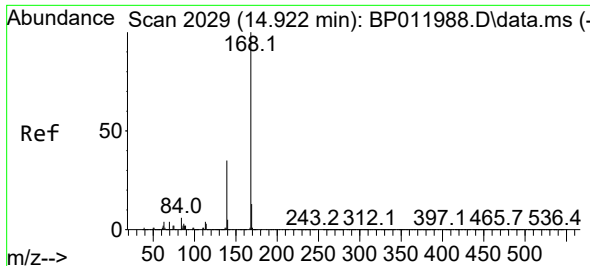
Tgt Ion:152 Resp: 1282239
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 17.3 10.8 16.2#



#52
Acenaphthene
Concen: 138.772 ng/ul
RT: 14.593 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

Tgt Ion:153 Resp: 5575223
Ion Ratio Lower Upper
153 100
152 49.0 38.4 57.6
154 89.0 70.6 105.8

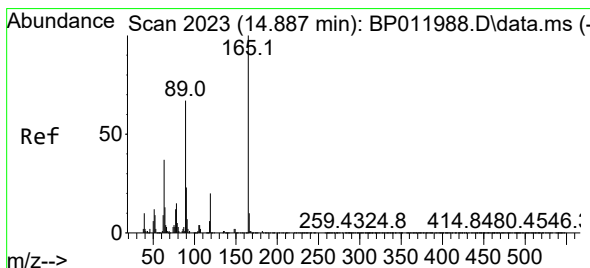
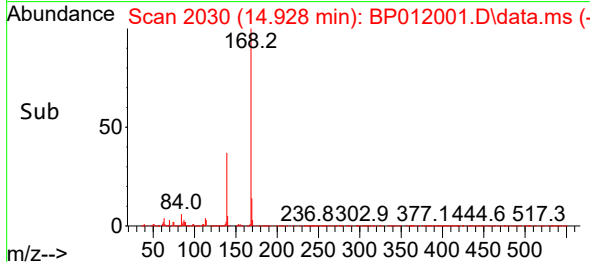
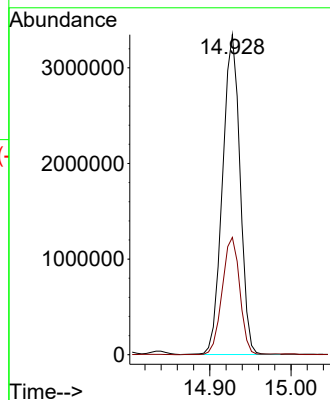
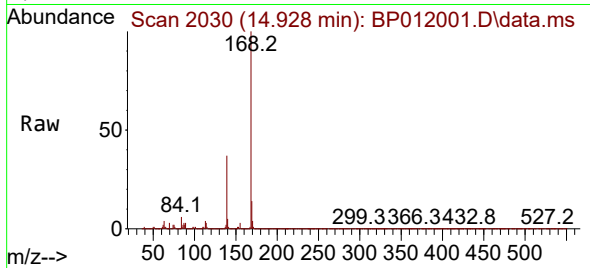




#56
Dibenzofuran
Concen: 91.258 ng/ul
RT: 14.928 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

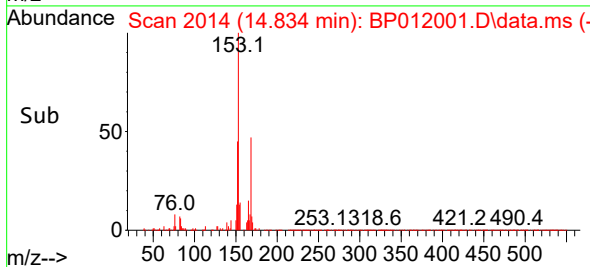
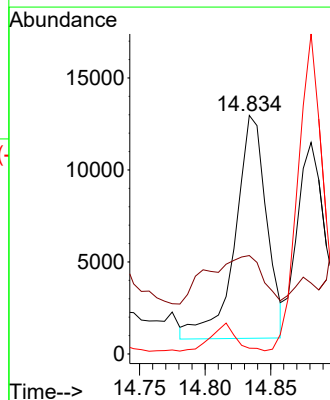
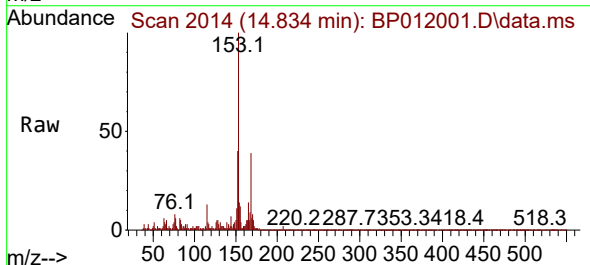
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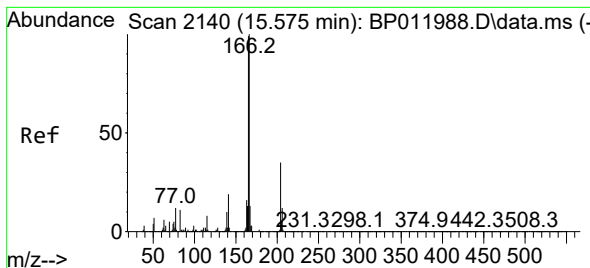
Tgt Ion:168 Resp: 5021659
Ion Ratio Lower Upper
168 100
139 36.6 29.4 44.2



#57
2,4-Dinitrotoluene
Concen: 1.512 ng/ul
RT: 14.834 min Scan# 2014
Delta R.T. -0.053 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

Tgt Ion:165 Resp: 20299
Ion Ratio Lower Upper
165 100
63 41.3 28.2 42.2
182 2.4 2.2 3.4





#61

Fluorene

Concen: 108.771 ng/ul

RT: 15.581 min Scan# 2141

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

Instrument :

BNA_P

ClientSampleId :

E10056

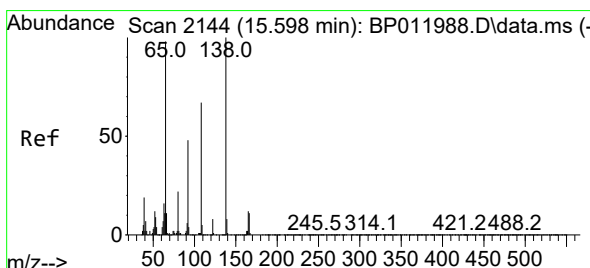
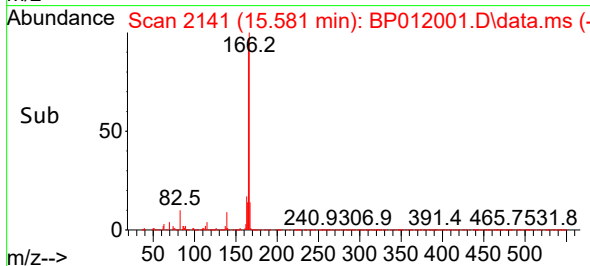
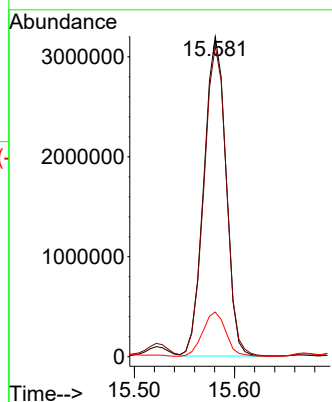
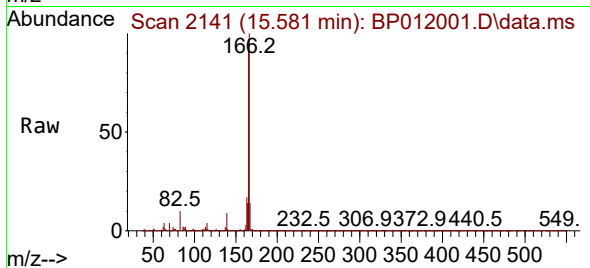
Tgt Ion:166 Resp: 4902216

Ion Ratio Lower Upper

166 100

165 97.2 77.2 115.8

167 14.0 10.7 16.1



#63

4-Nitroaniline

Concen: 5.324 ng/ul

RT: 15.581 min Scan# 2141

Delta R.T. -0.018 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

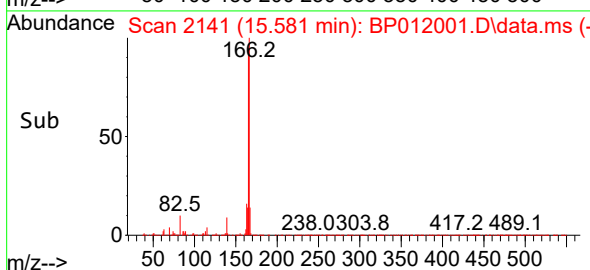
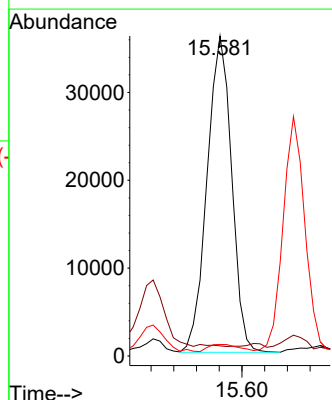
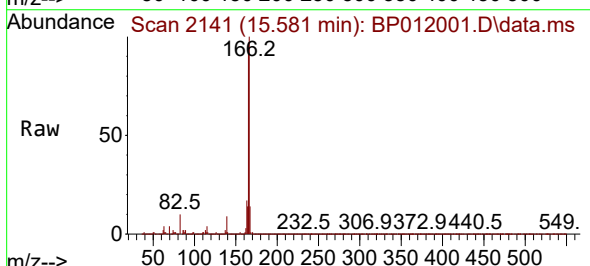
Tgt Ion:138 Resp: 54093

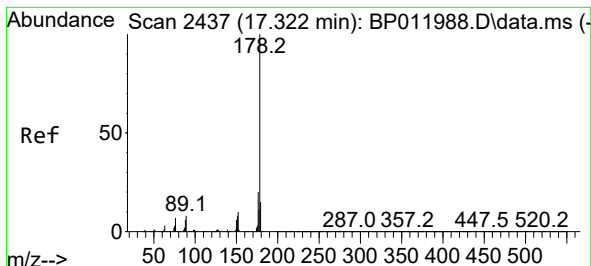
Ion Ratio Lower Upper

138 100

92 3.2 35.9 53.9#

108 3.6 51.6 77.4#





#72

Phenanthrene

Concen: 128.086 ng/ul

RT: 17.334 min Scan# 2439

Delta R.T. 0.012 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

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E10056

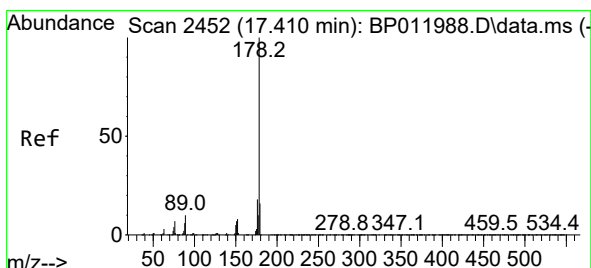
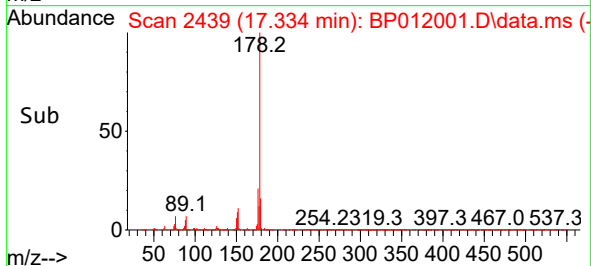
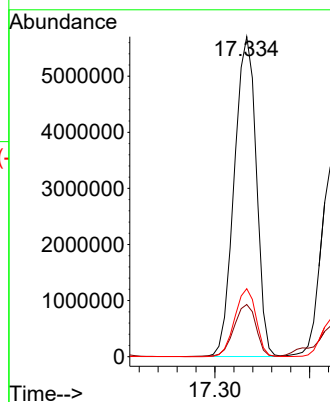
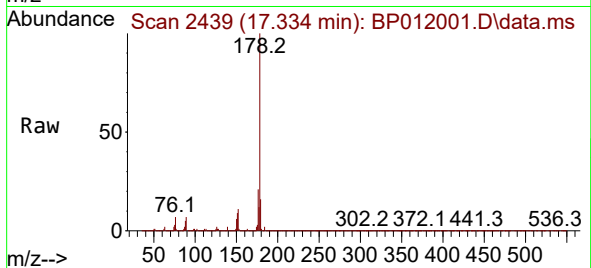
Tgt Ion:178 Resp: 9190279

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 21.3 15.4 23.2



#74

Anthracene

Concen: 69.115 ng/ul

RT: 17.422 min Scan# 2454

Delta R.T. 0.012 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

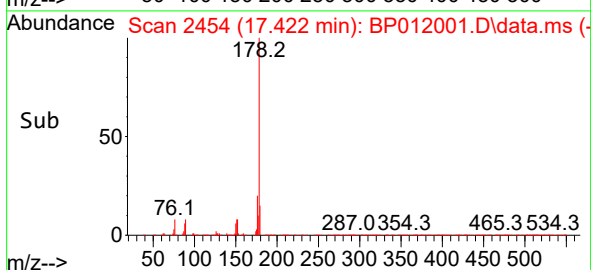
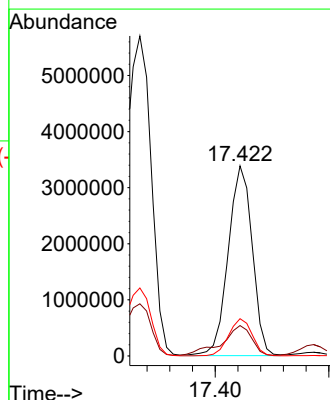
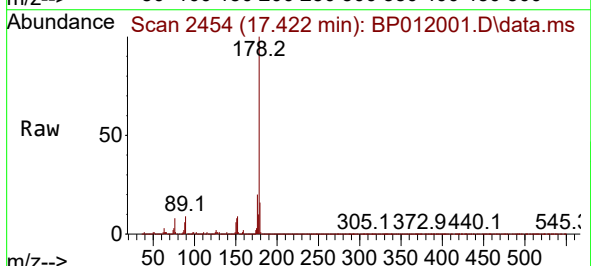
Tgt Ion:178 Resp: 4989597

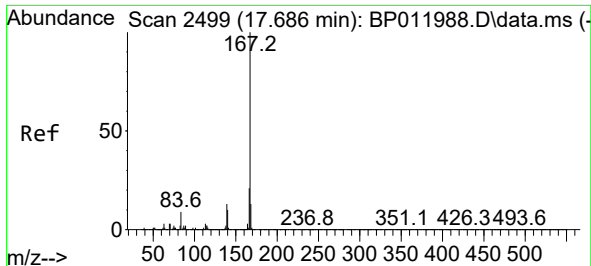
Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

176 19.7 15.4 23.2

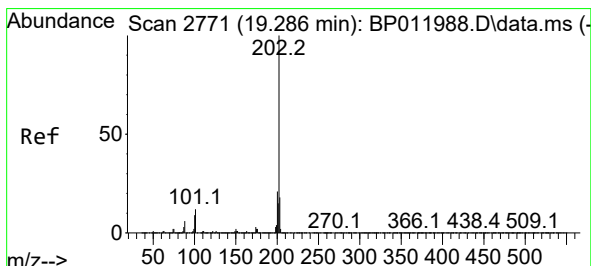
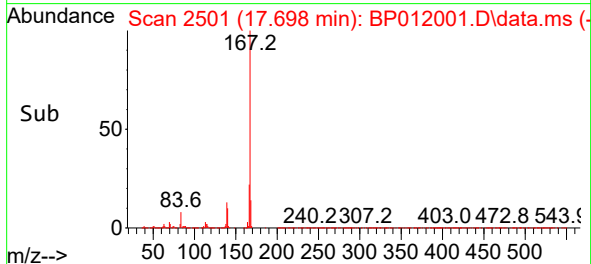
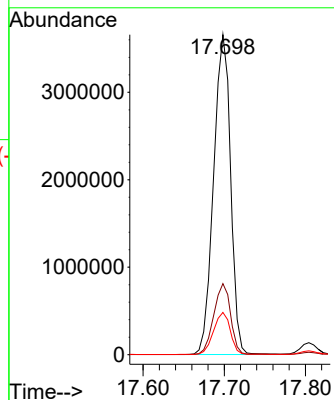
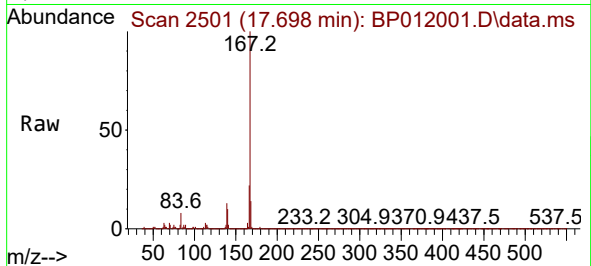




#77
 Carbazole
 Concen: 81.538 ng/ul
 RT: 17.698 min Scan# 2499
 Delta R.T. 0.012 min
 Lab File: BP012001.D
 Acq: 07 Oct 2022 09:26

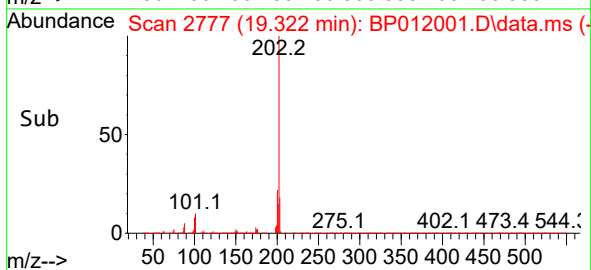
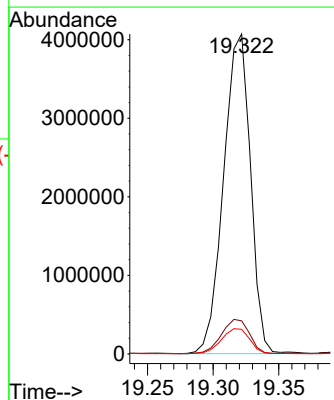
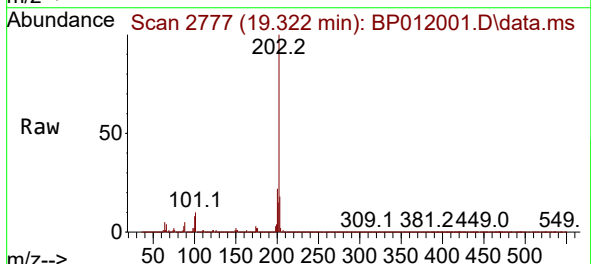
Instrument :
 BNA_P
 ClientSampleId :
 E10056

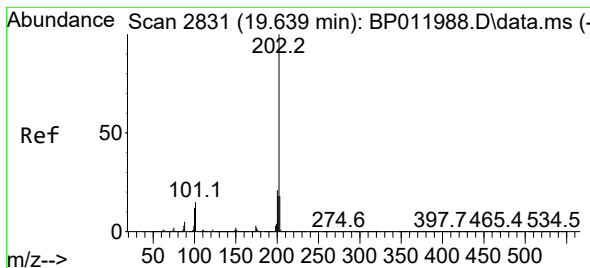
Tgt Ion:167 Resp: 5318516
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 13.2 10.1 15.1



#80
 Fluoranthene
 Concen: 71.776 ng/ul
 RT: 19.322 min Scan# 2777
 Delta R.T. 0.035 min
 Lab File: BP012001.D
 Acq: 07 Oct 2022 09:26

Tgt Ion:202 Resp: 5785773
 Ion Ratio Lower Upper
 202 100
 101 10.4 9.8 14.6
 100 7.7 7.4 11.0





#82

Pyrene

Concen: 59.629 ng/ul

RT: 19.657 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

Instrument :

BNA_P

ClientSampleId :

E10056

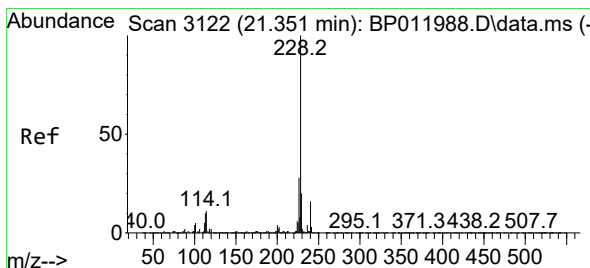
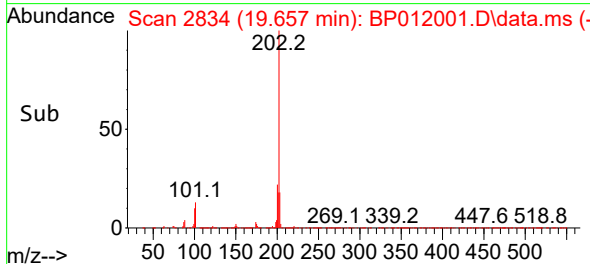
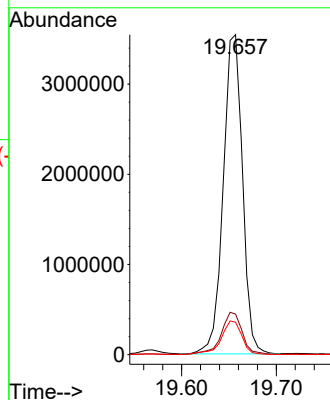
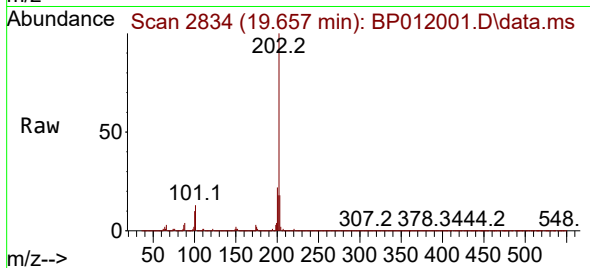
Tgt Ion:202 Resp: 5004482

Ion Ratio Lower Upper

202 100

101 12.7 11.6 17.4

100 10.2 9.4 14.0



#85

Benzo(a)anthracene

Concen: 23.186 ng/ul

RT: 21.357 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

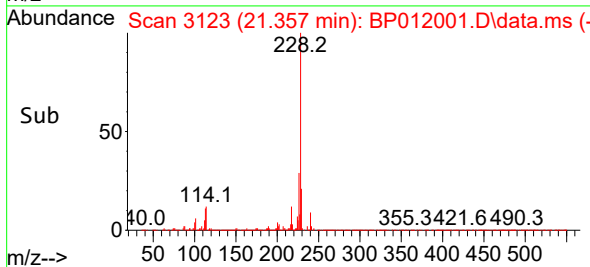
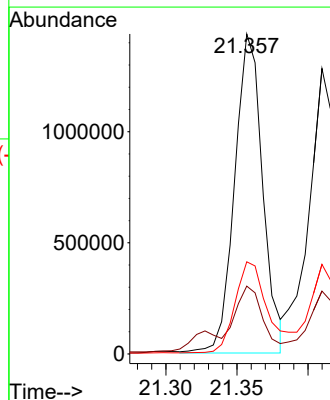
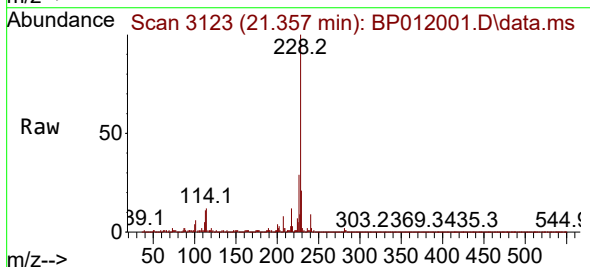
Tgt Ion:228 Resp: 1972027

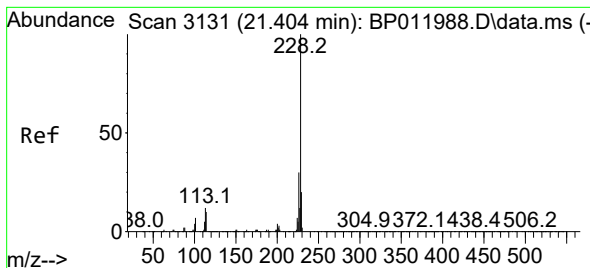
Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

226 28.8 22.0 33.0





#87

Chrysene

Concen: 21.757 ng/ul

RT: 21.410 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

Instrument :

BNA_P

ClientSampleId :

E10056

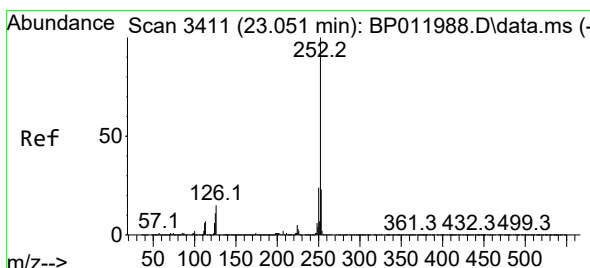
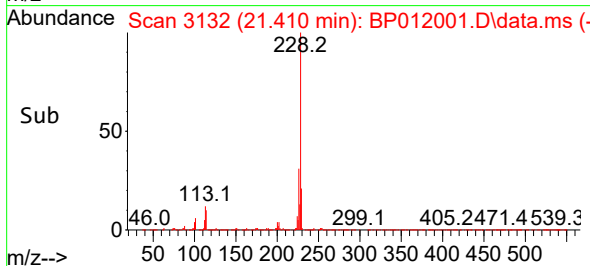
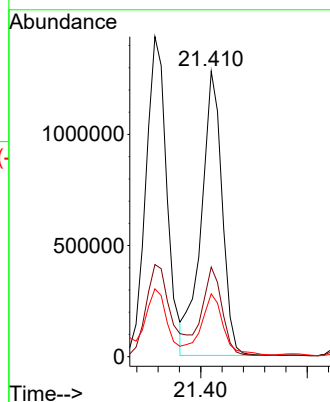
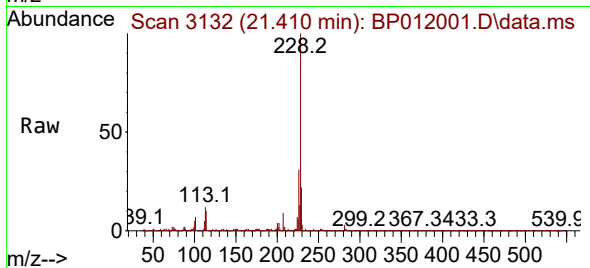
Tgt Ion:228 Resp: 1736605

Ion Ratio Lower Upper

228 100

226 31.4 25.3 37.9

229 22.1 16.2 24.2



#90

Benzo(b)fluoranthene

Concen: 17.392 ng/ul

RT: 23.063 min Scan# 3413

Delta R.T. 0.012 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

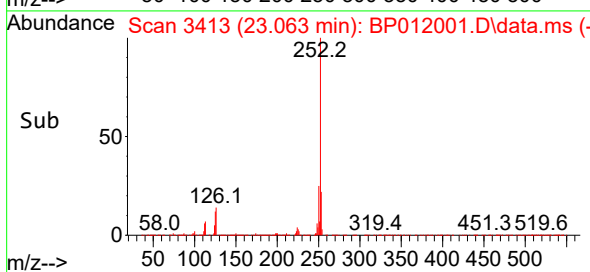
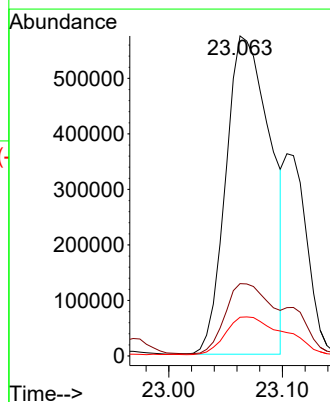
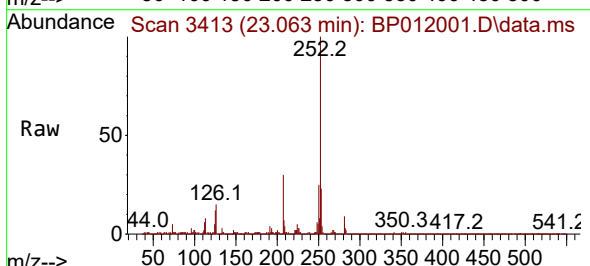
Tgt Ion:252 Resp: 1565612

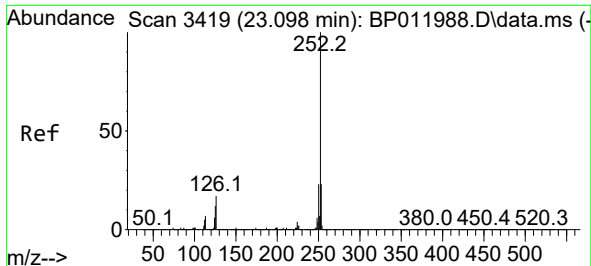
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 12.1 9.2 13.8

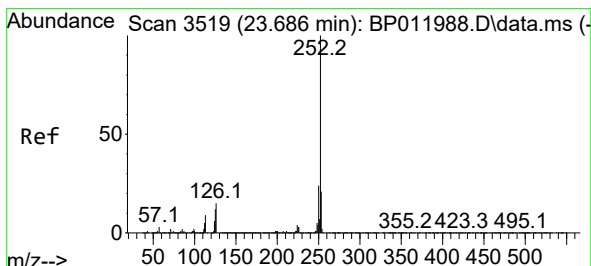
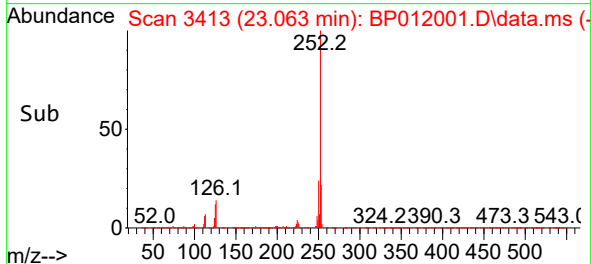
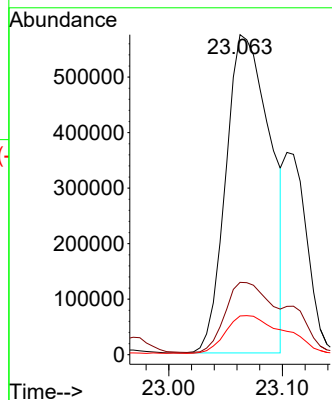
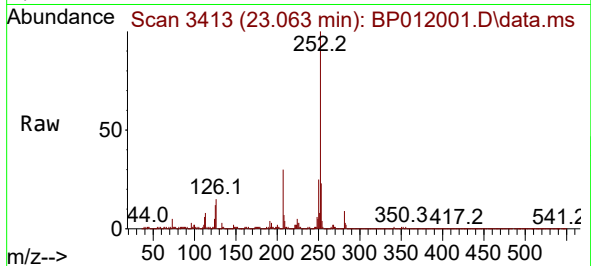




#91
Benzo(k)fluoranthene
Concen: 18.061 ng/ul
RT: 23.063 min Scan# 3419
Delta R.T. -0.035 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

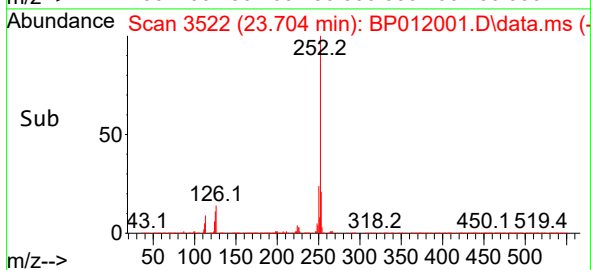
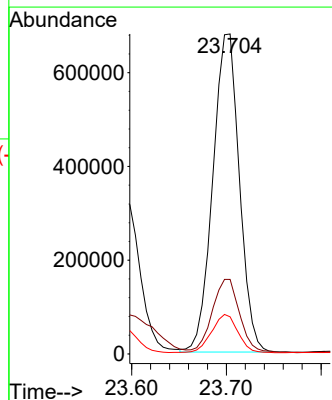
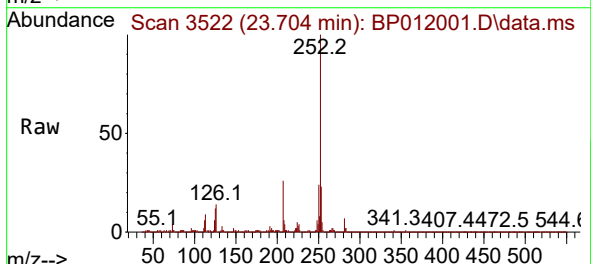
Instrument :
BNA_P
ClientSampleId :
E10056

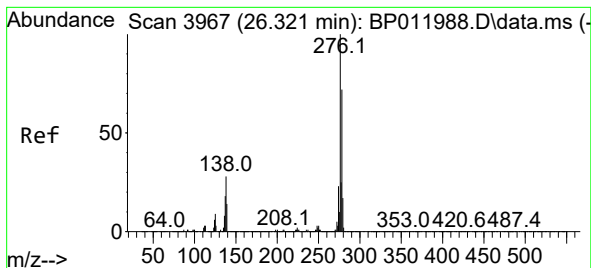
Tgt Ion:252 Resp: 1565612
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 12.1 9.2 13.8



#93
Benzo(a)pyrene
Concen: 16.490 ng/ul
RT: 23.704 min Scan# 3522
Delta R.T. 0.018 min
Lab File: BP012001.D
Acq: 07 Oct 2022 09:26

Tgt Ion:252 Resp: 1324702
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 11.6 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.482 ng/ul

RT: 26.339 min Scan# 3967

Delta R.T. 0.018 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

Instrument :

BNA_P

ClientSampleId :

E10056

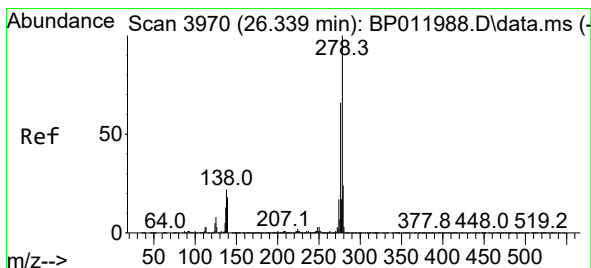
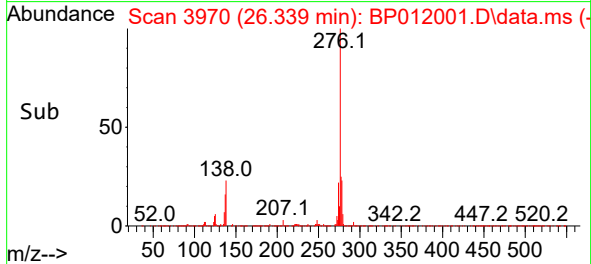
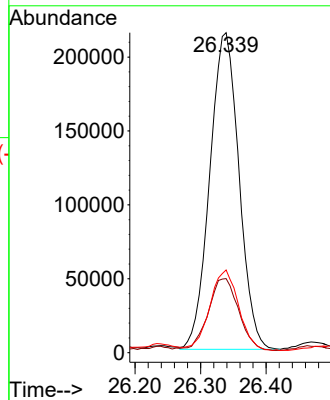
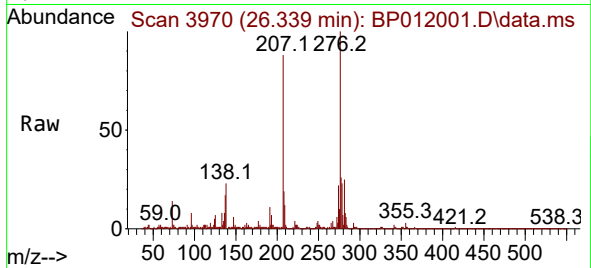
Tgt Ion:276 Resp: 662743

Ion Ratio Lower Upper

276 100

138 23.2 21.4 32.0

277 25.8 19.9 29.9



#95

Dibenzo(a,h)anthracene

Concen: 2.073 ng/ul

RT: 26.345 min Scan# 3971

Delta R.T. 0.006 min

Lab File: BP012001.D

Acq: 07 Oct 2022 09:26

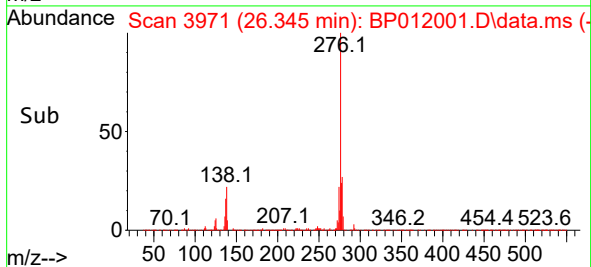
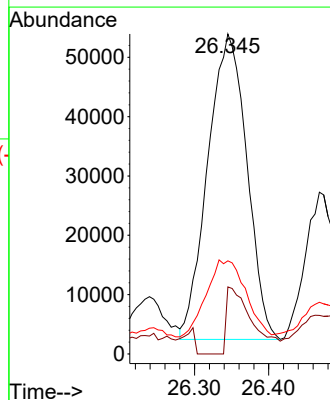
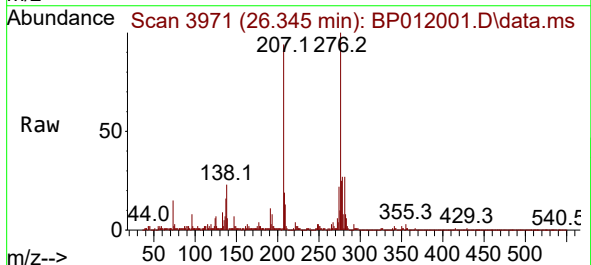
Tgt Ion:278 Resp: 188294

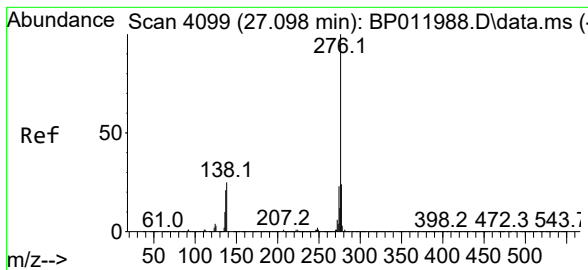
Ion Ratio Lower Upper

278 100

139 20.9 15.0 22.6

279 29.1 19.0 28.6#





#96
 Benzo(g,h,i)perylene
 Concen: 6.772 ng/ul
 RT: 27.121 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BP012001.D
 Acq: 07 Oct 2022 09:26

Instrument :
 BNA_P
 ClientSampleId :
 E10056

Tgt Ion:	276	Resp:	613842
Ion Ratio	Lower	Upper	
276	100		
138	22.4	19.8	29.6
277	23.4	18.6	27.8

