

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102022\
 Data File : BP012220.D
 Acq On : 20 Oct 2022 18:49
 Operator : CG/JU
 Sample : N4755-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 20 23:24:53 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	457407	20.000	ng/ul	0.00
20) Naphthalene-d8	10.628	136	1964642	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.475	164	1201823	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.234	188	2247654	20.000	ng/ul	0.00
79) Chrysene-d12	21.333	240	1460546	20.000	ng/ul	0.00
88) Perylene-d12	23.739	264	1677685	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	63829	5.647	ng/uL	0.00
4) Pyridine-d5	3.717	84	170473	5.234	ng/ul	0.04
7) Phenol-d5	6.993	99	1214741	30.762	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	723468	30.209	ng/ul	0.00
11) 2-Chlorophenol-d4	7.358	132	971086	32.307	ng/ul	0.00
15) 4-Methylphenol-d8	8.540	113	755653	24.622	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	478700	32.917	ng/ul	0.00
24) 2-Nitrophenol-d4	9.716	143	536974	34.224	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	955979	32.482	ng/ul	0.00
31) 4-Chloroaniline-d4	10.781	131	579420	13.857	ng/ul	0.00
46) Dimethylphthalate-d6	13.887	166	2789554	33.368	ng/ul	0.00
49) Acenaphthylene-d8	14.169	160	3119318	32.688	ng/ul	0.00
54) 4-Nitrophenol-d4	14.687	143	406607	25.961	ng/ul	0.00
60) Fluorene-d10	15.469	176	2374914	33.021	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	309844	24.232	ng/ul	0.00
73) Anthracene-d10	17.340	188	3215842	32.641	ng/ul	0.00
81) Pyrene-d10	19.575	212	2878673	34.618	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.586	264	2695844	32.042	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.022	94	64115	1.552	ng/ul	94
16) Acetophenone	8.658	105	82568	1.742	ng/ul	96
30) Naphthalene	10.681	128	845256	8.044	ng/ul	99
36) 2-Methylnaphthalene	12.293	142	391751	5.480	ng/ul	99
37) 1-Methylnaphthalene	12.510	142	110409	1.547	ng/ul	97
43) 1,1'-Biphenyl	13.304	154	167027	1.869	ng/ul	98
50) Acenaphthylene	14.199	152	1027863	9.667	ng/ul	100
52) Acenaphthene	14.540	153	389675	5.182	ng/ul	100
56) Dibenzofuran	14.875	168	1128457	10.962	ng/ul	98
61) Fluorene	15.528	166	1040150	12.754	ng/ul	100
71) Pentachlorophenol	16.887	266	229029	13.526	ng/ul	98
72) Phenanthrene	17.281	178	5167538	42.777	ng/ul	100
74) Anthracene	17.375	178	8987869	75.197	ng/ul	98
77) Carbazole	17.645	167	2275379	21.570	ng/ul	99
80) Fluoranthene	19.251	202	7092636	69.025	ng/ul	97
82) Pyrene	19.610	202	6270835	59.648	ng/ul	94
85) Benzo(a)anthracene	21.316	228	2667866	28.027	ng/ul	96
87) Chrysene	21.369	228	3737046	42.070	ng/ul	98
90) Benzo(b)fluoranthene	23.010	252	7045296	63.013	ng/ul	97
91) Benzo(k)fluoranthene	23.010	252	7045296	63.926	ng/ul	98
93) Benzo(a)pyrene	23.639	252	3344107	34.976	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	26.251	276	4766940	43.069	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.251	278	1118366	11.208	ng/ul#	82
96) Benzo(g,h,i)perylene	27.027	276	4205023	40.463	ng/ul	98

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QLast Update : Thu Oct 20 00:51:41 2022
Response via : Initial Calibration

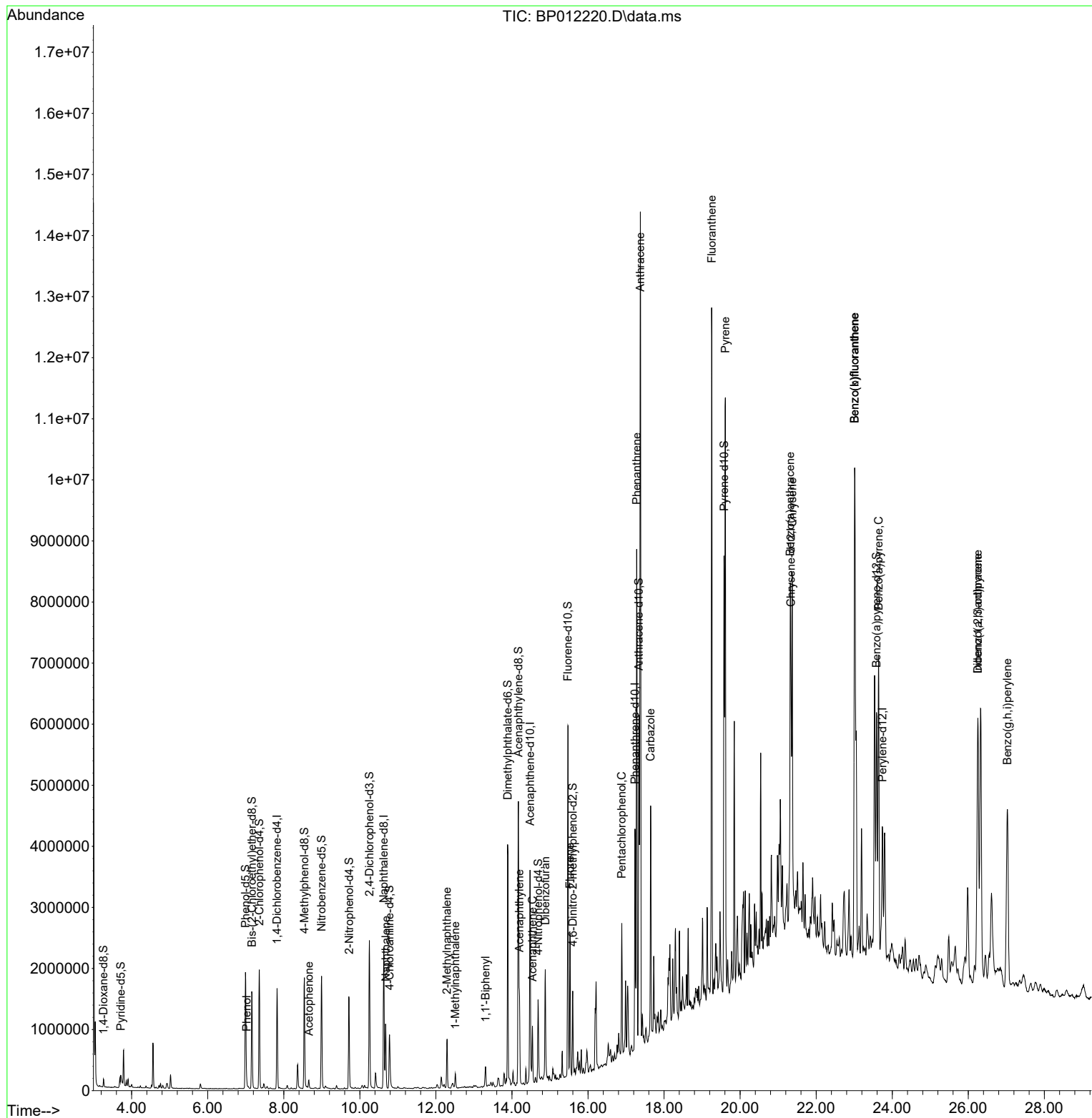
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

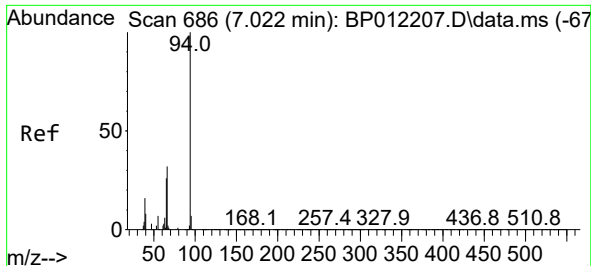
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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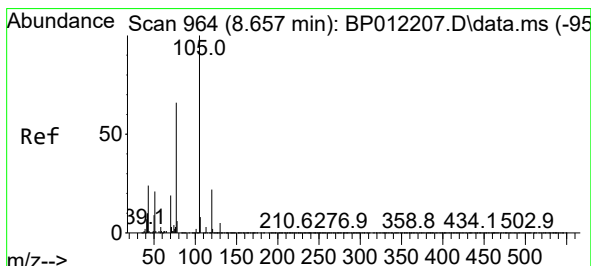
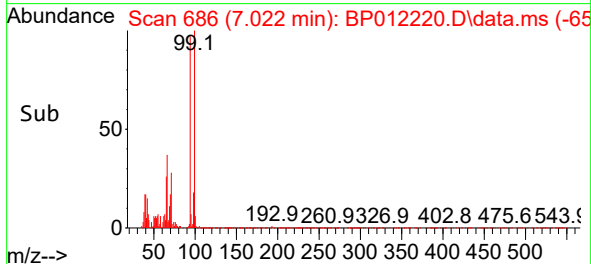
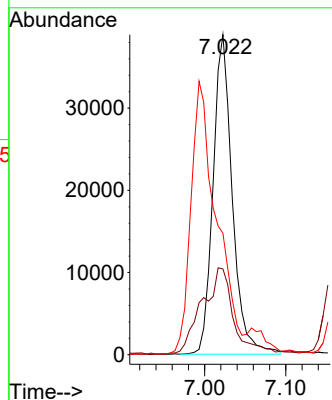
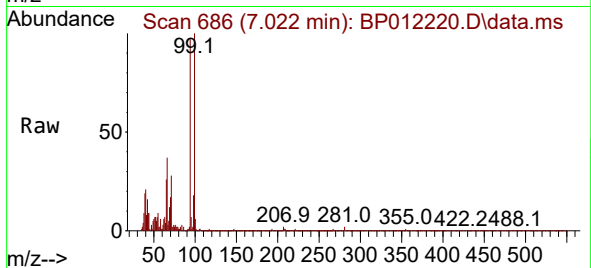




#8
Phenol
Concen: 1.552 ng/ul
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

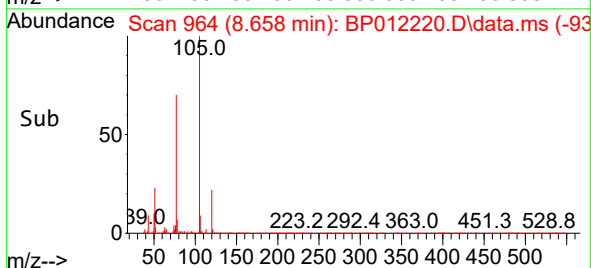
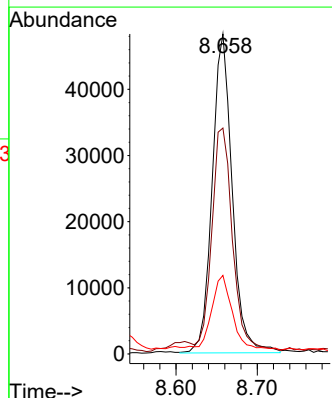
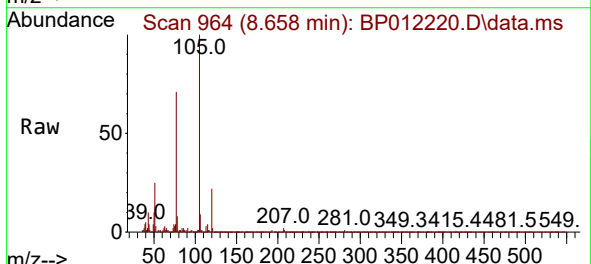
Instrument :
BNA_P
ClientSampleId :

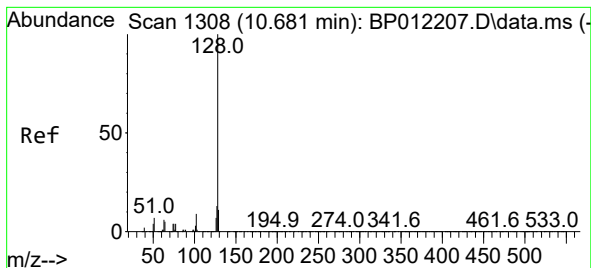
Tgt Ion: 94 Resp: 64115
Ion Ratio Lower Upper
94 100
65 26.8 20.6 31.0
66 38.0 26.2 39.4



#16
Acetophenone
Concen: 1.742 ng/ul
RT: 8.658 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

Tgt Ion: 105 Resp: 82568
Ion Ratio Lower Upper
105 100
77 70.6 60.0 90.0
51 24.6 20.1 30.1

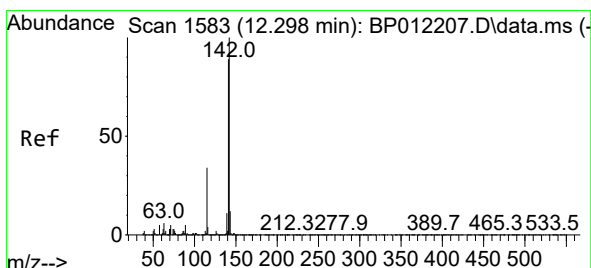
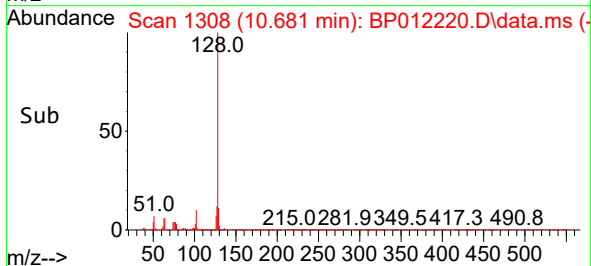
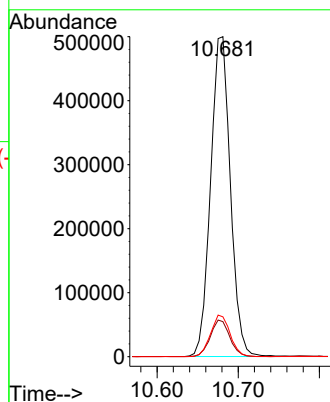
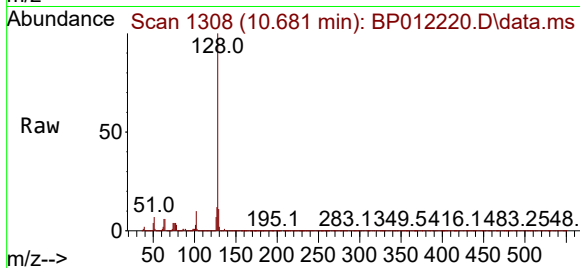




#30
Naphthalene
Concen: 8.044 ng/ul
RT: 10.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

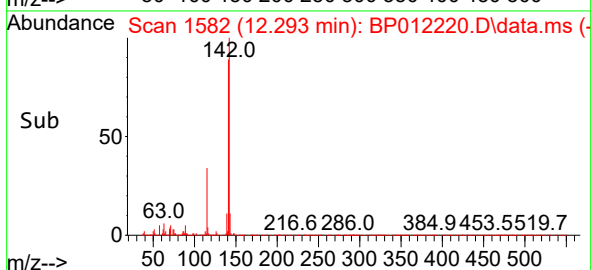
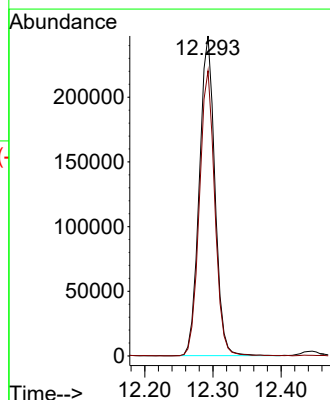
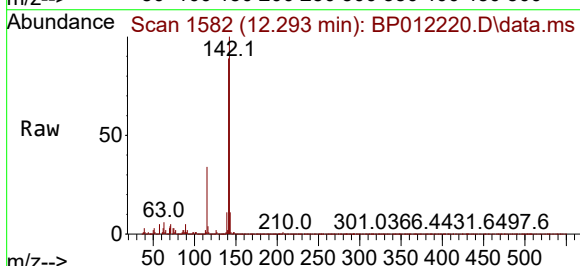
Instrument :
BNA_P
ClientSampleId :

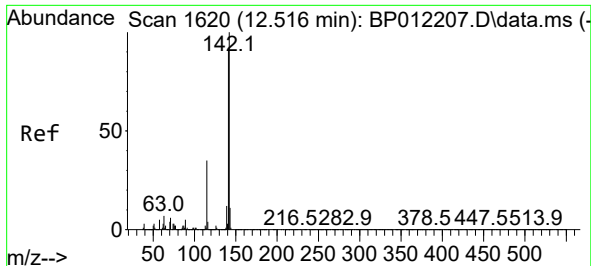
Tgt Ion:128 Resp: 845256
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.4 10.2 15.4



#36
2-Methylnaphthalene
Concen: 5.480 ng/ul
RT: 12.293 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

Tgt Ion:142 Resp: 391751
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5

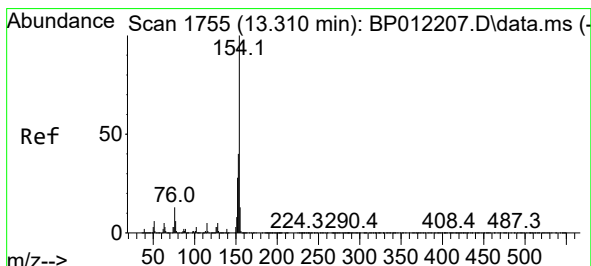
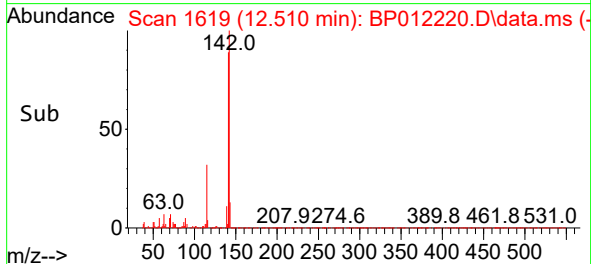
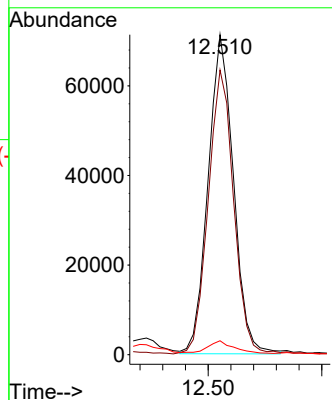
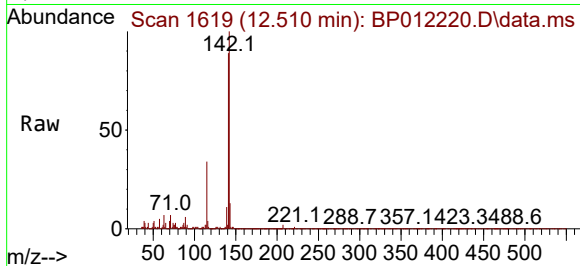




#37
1-Methylnaphthalene
Concen: 1.547 ng/ul
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

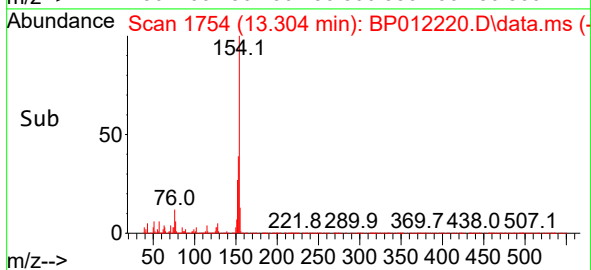
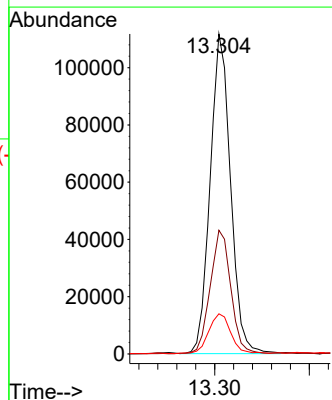
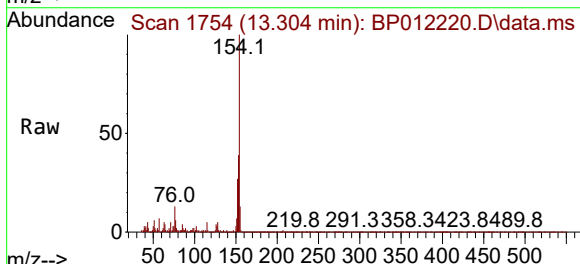
Instrument :
BNA_P
ClientSampleId :

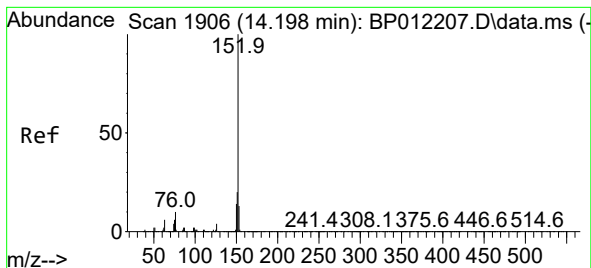
Tgt Ion:142 Resp: 110409
Ion Ratio Lower Upper
142 100
141 88.9 73.4 110.0
116 4.4 3.0 4.4



#43
1,1'-Biphenyl
Concen: 1.869 ng/ul
RT: 13.304 min Scan# 1754
Delta R.T. -0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

Tgt Ion:154 Resp: 167027
Ion Ratio Lower Upper
154 100
153 38.6 31.5 47.3
76 12.6 11.0 16.4





#50

Acenaphthylene

Concen: 9.667 ng/ul

RT: 14.199 min Scan# 1906

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

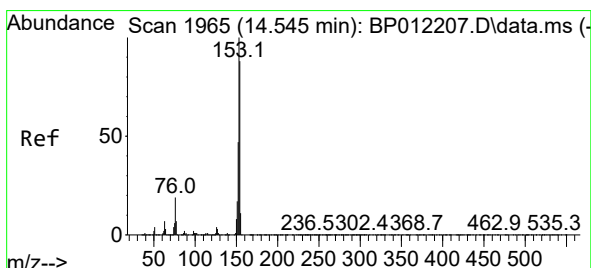
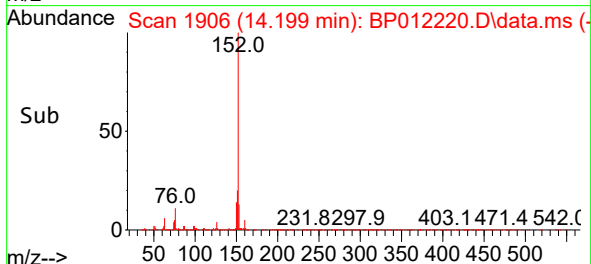
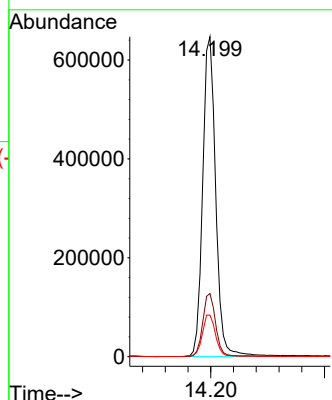
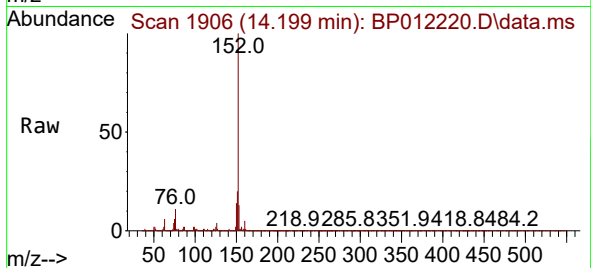
Tgt Ion:152 Resp: 1027863

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.0 10.6 16.0



#52

Acenaphthene

Concen: 5.182 ng/ul

RT: 14.540 min Scan# 1964

Delta R.T. -0.006 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

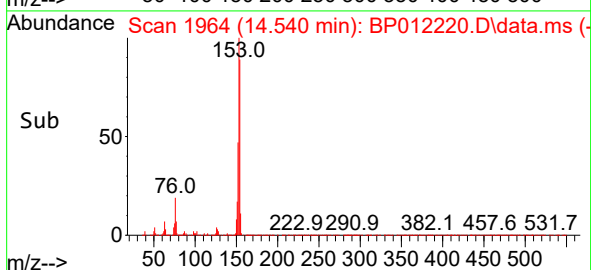
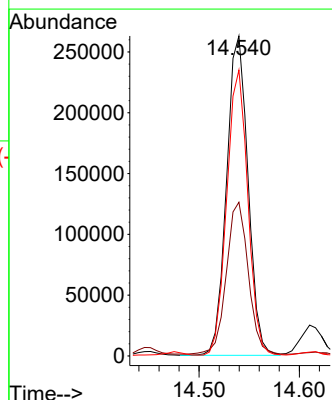
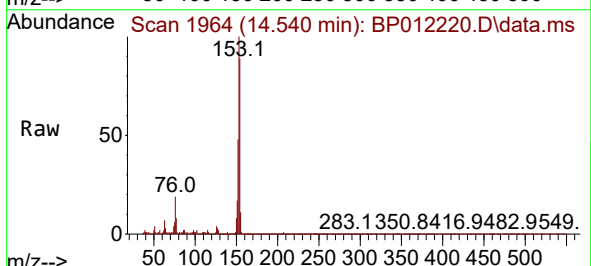
Tgt Ion:153 Resp: 389675

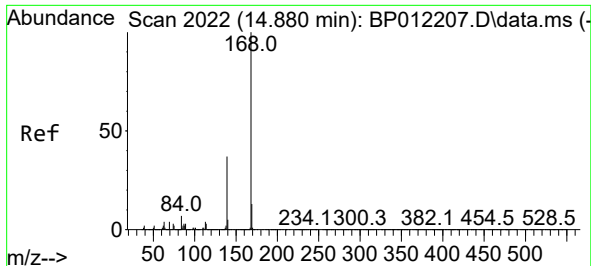
Ion Ratio Lower Upper

153 100

152 48.1 38.1 57.1

154 89.3 71.4 107.2

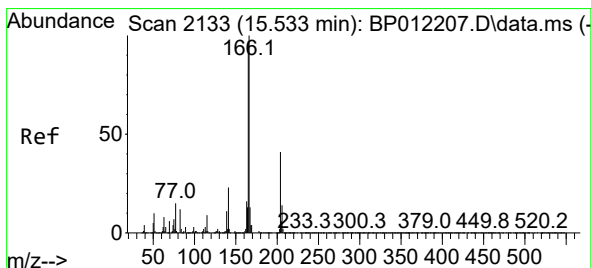
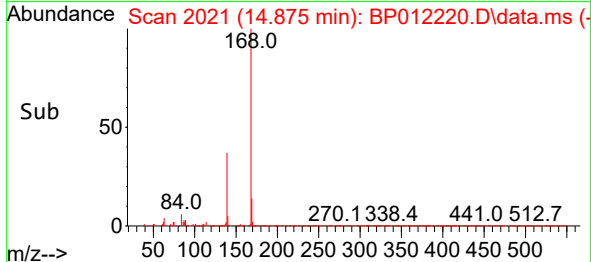
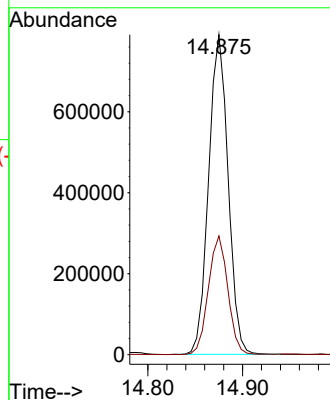
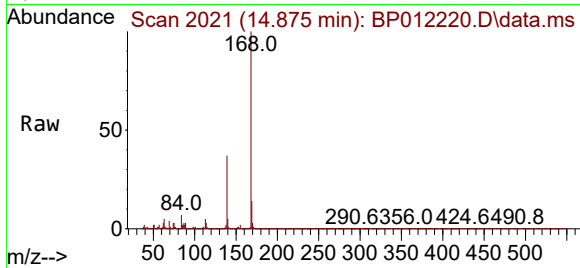




#56
Dibenzofuran
Concen: 10.962 ng/ul
RT: 14.875 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

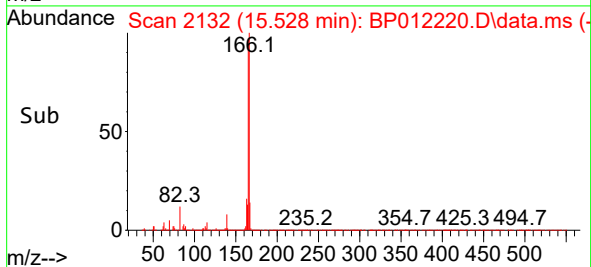
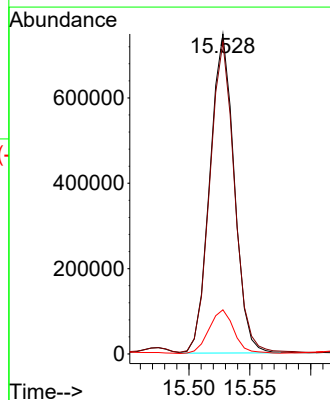
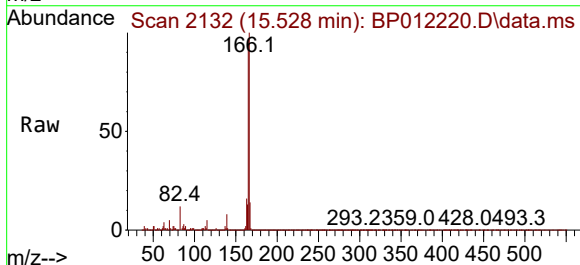
Instrument :
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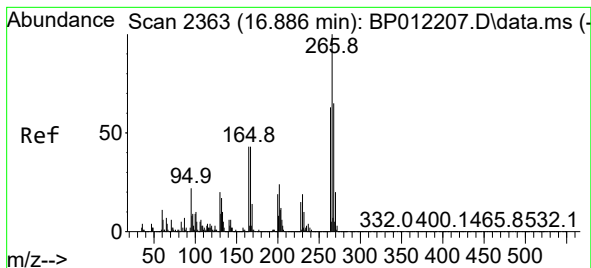
Tgt Ion:168 Resp: 1128457
Ion Ratio Lower Upper
168 100
139 37.1 29.0 43.4



#61
Fluorene
Concen: 12.754 ng/ul
RT: 15.528 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

Tgt Ion:166 Resp: 1040150
Ion Ratio Lower Upper
166 100
165 97.4 78.0 117.0
167 13.8 10.7 16.1





#71

Pentachlorophenol

Concen: 13.526 ng/ul

RT: 16.887 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

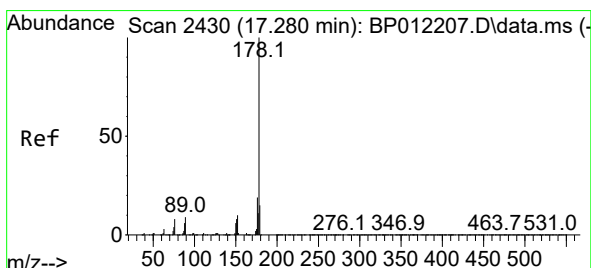
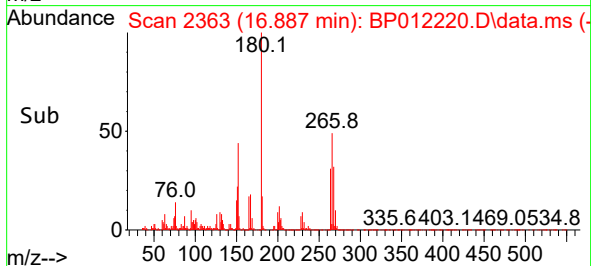
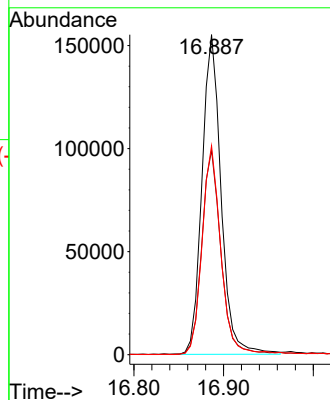
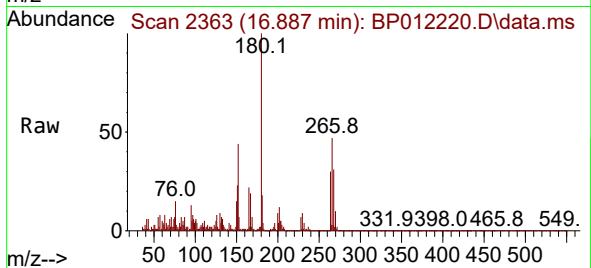
Tgt Ion:266 Resp: 229029

Ion Ratio Lower Upper

266 100

264 63.8 50.1 75.1

268 65.3 50.6 76.0



#72

Phenanthrene

Concen: 42.777 ng/ul

RT: 17.281 min Scan# 2430

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

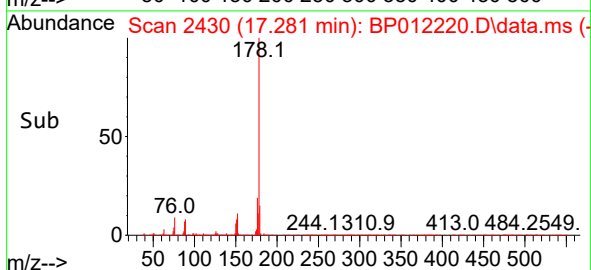
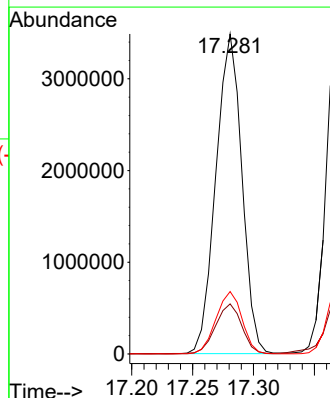
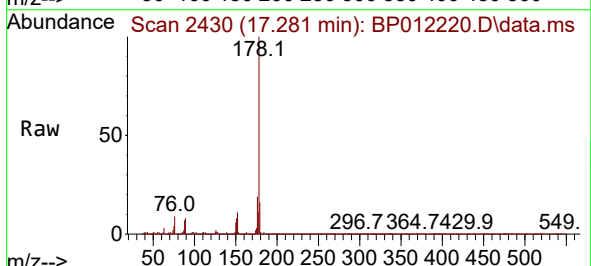
Tgt Ion:178 Resp: 5167538

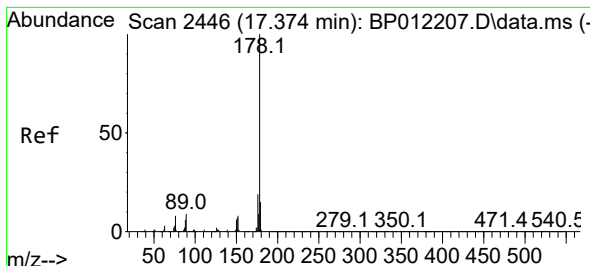
Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 19.5 15.6 23.4





#74

Anthracene

Concen: 75.197 ng/ul

RT: 17.375 min Scan# 2446

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

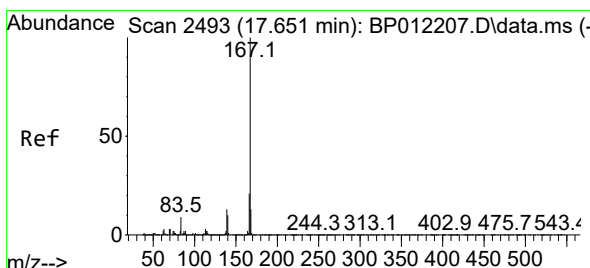
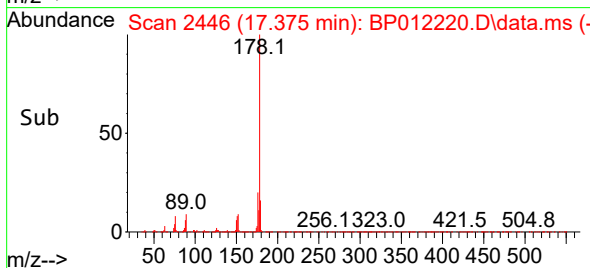
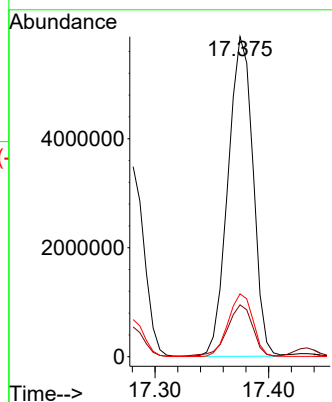
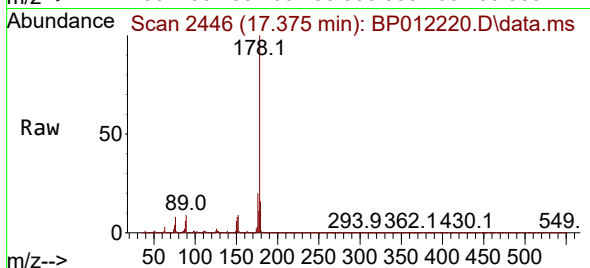
Tgt Ion:178 Resp: 8987869

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

176 19.7 15.0 22.4



#77

Carbazole

Concen: 21.570 ng/ul

RT: 17.645 min Scan# 2492

Delta R.T. -0.006 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

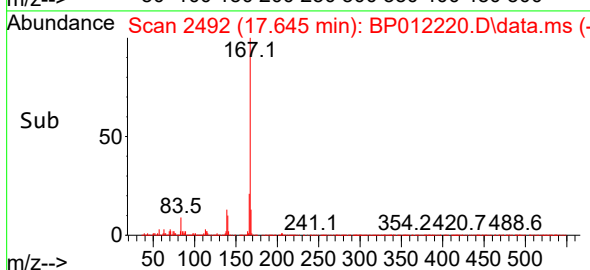
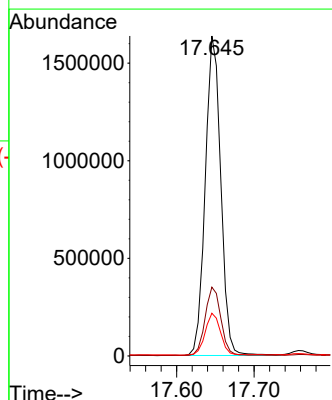
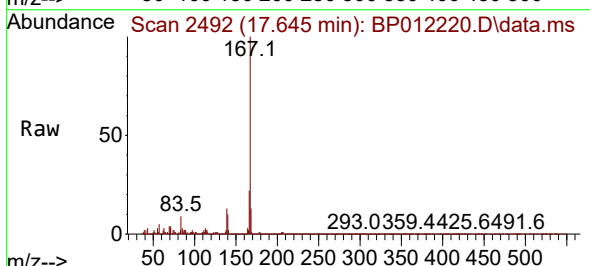
Tgt Ion:167 Resp: 2275379

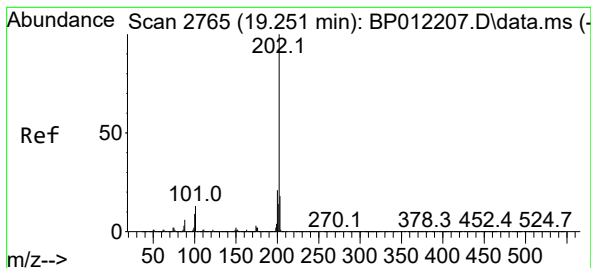
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 13.4 10.2 15.4





#80

Fluoranthene

Concen: 69.025 ng/ul

RT: 19.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

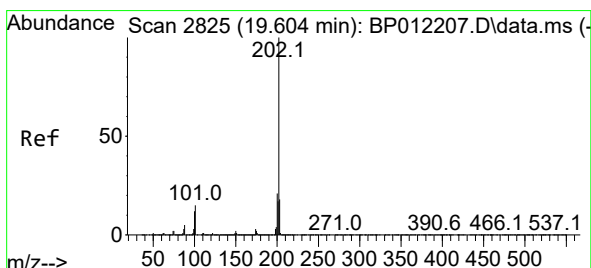
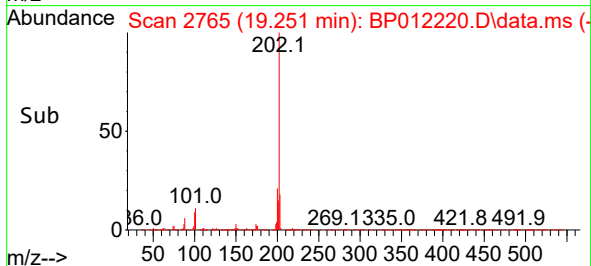
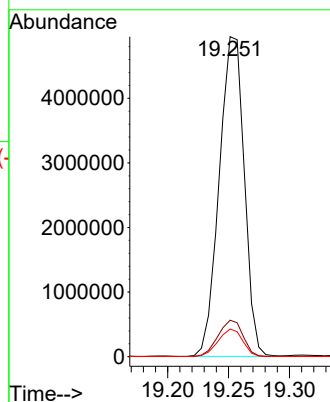
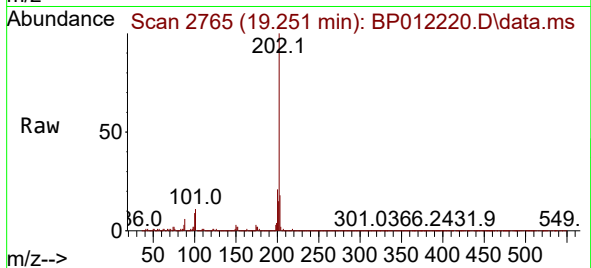
Tgt Ion:202 Resp: 7092636

Ion Ratio Lower Upper

202 100

101 11.4 10.4 15.6

100 8.6 7.7 11.5



#82

Pyrene

Concen: 59.648 ng/ul

RT: 19.610 min Scan# 2826

Delta R.T. 0.006 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

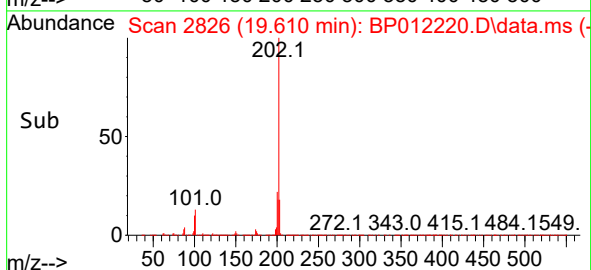
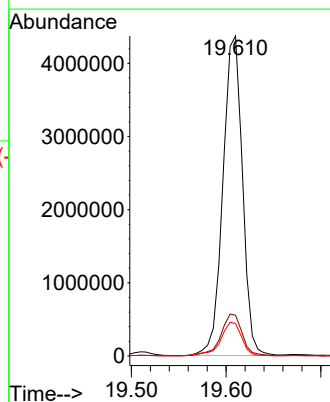
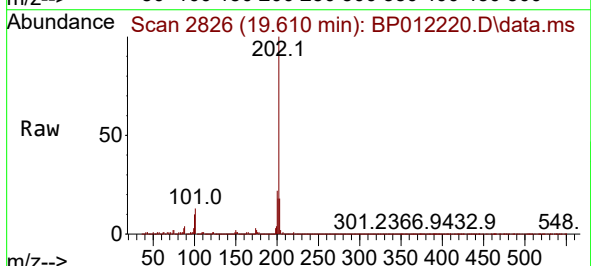
Tgt Ion:202 Resp: 6270835

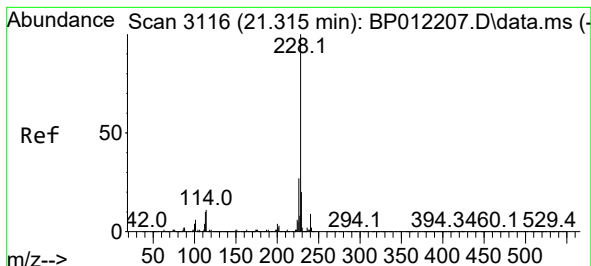
Ion Ratio Lower Upper

202 100

101 12.8 12.3 18.5

100 10.2 10.0 15.0





#85

Benzo(a)anthracene

Concen: 28.027 ng/ul

RT: 21.316 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

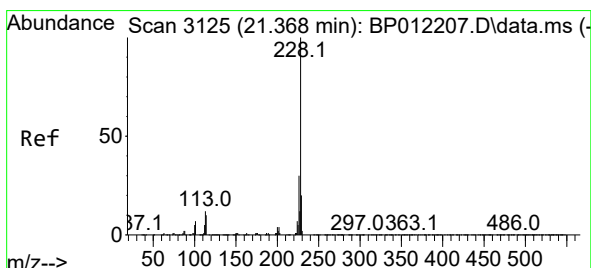
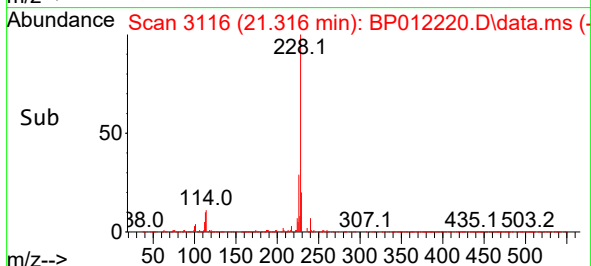
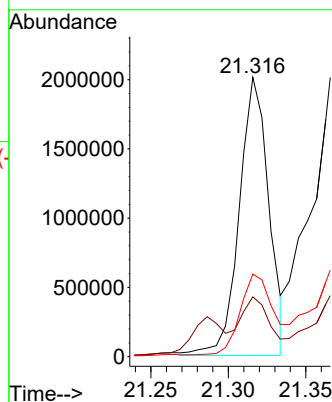
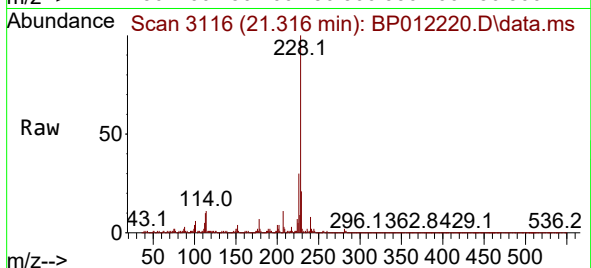
Tgt Ion:228 Resp: 2667866

Ion Ratio Lower Upper

228 100

229 21.5 16.1 24.1

226 29.6 21.9 32.9



#87

Chrysene

Concen: 42.070 ng/ul

RT: 21.369 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

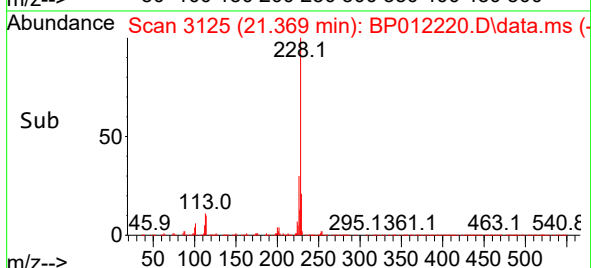
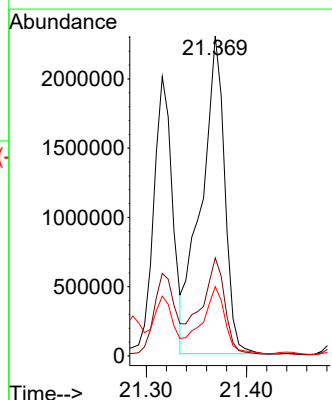
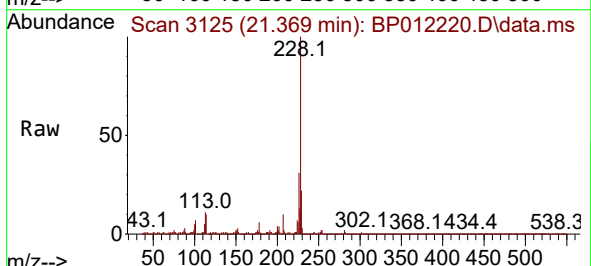
Tgt Ion:228 Resp: 3737046

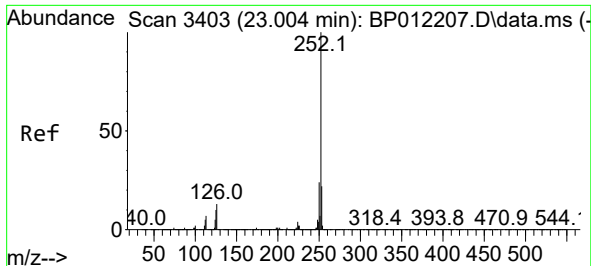
Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

229 21.7 15.8 23.8

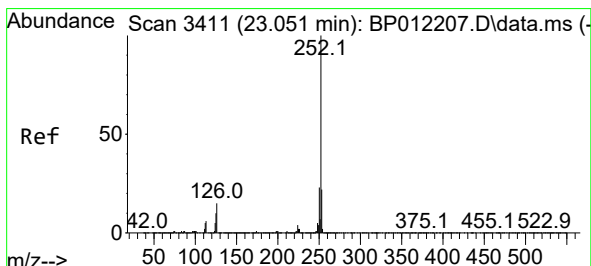
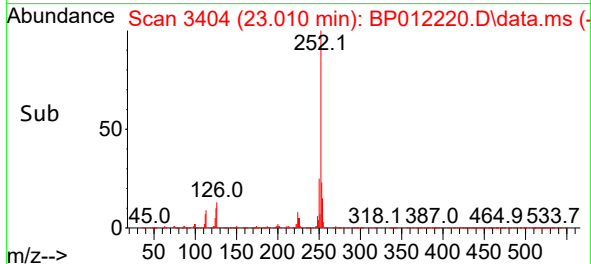
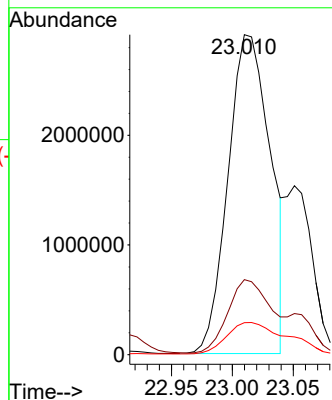
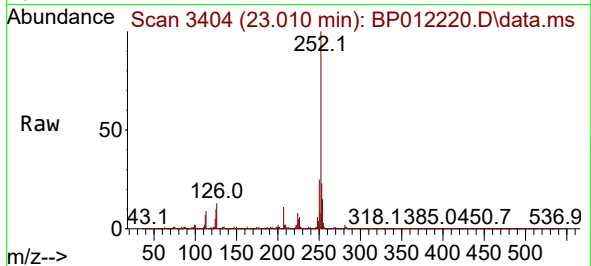




#90
Benzo(b)fluoranthene
Concen: 63.013 ng/ul
RT: 23.010 min Scan# 3404
Delta R.T. 0.006 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

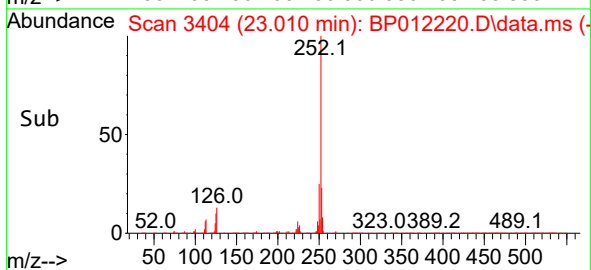
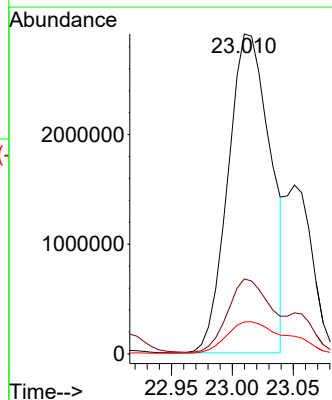
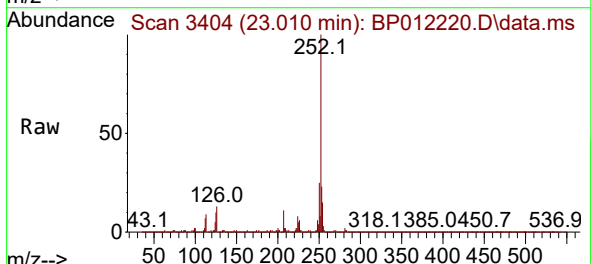
Instrument :
BNA_P
ClientSampleId :

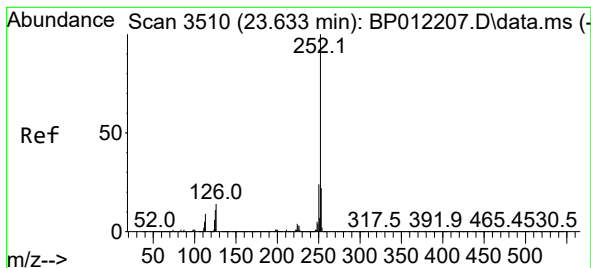
Tgt Ion:252 Resp: 7045296
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 8.5 12.7



#91
Benzo(k)fluoranthene
Concen: 63.926 ng/ul
RT: 23.010 min Scan# 3404
Delta R.T. -0.041 min
Lab File: BP012220.D
Acq: 20 Oct 2022 18:49

Tgt Ion:252 Resp: 7045296
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 10.0 8.6 13.0





#93

Benzo(a)pyrene

Concen: 34.976 ng/ul

RT: 23.639 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

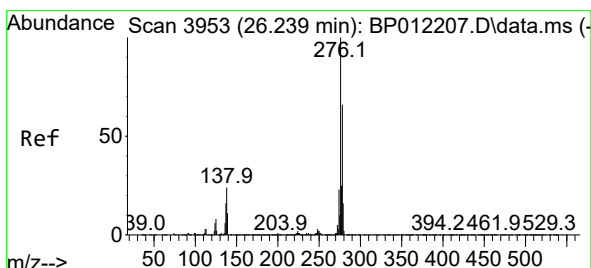
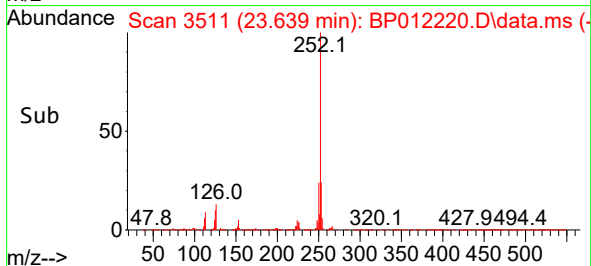
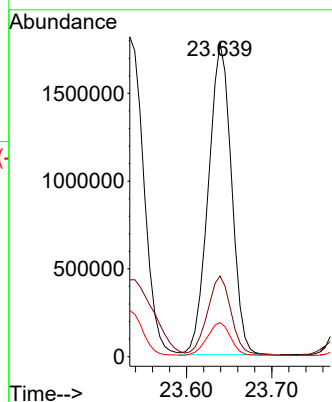
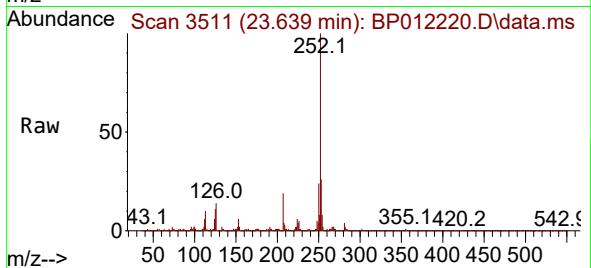
Tgt Ion:252 Resp: 3344107

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

125 10.9 9.7 14.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 43.069 ng/ul

RT: 26.251 min Scan# 3955

Delta R.T. 0.006 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

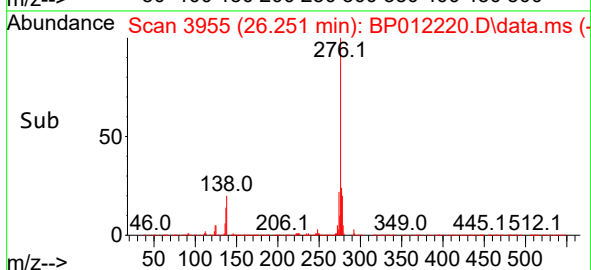
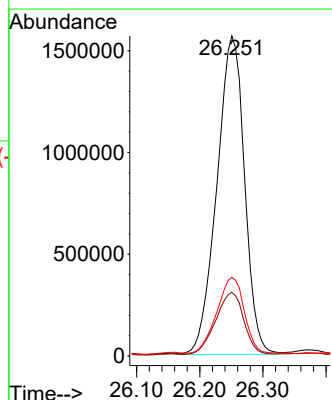
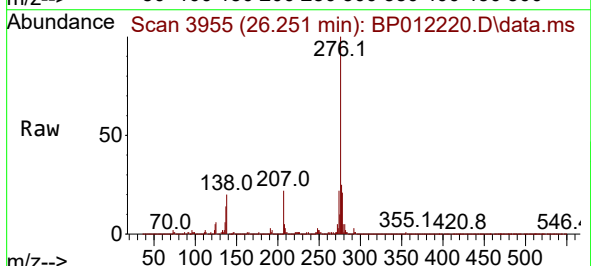
Tgt Ion:276 Resp: 4766940

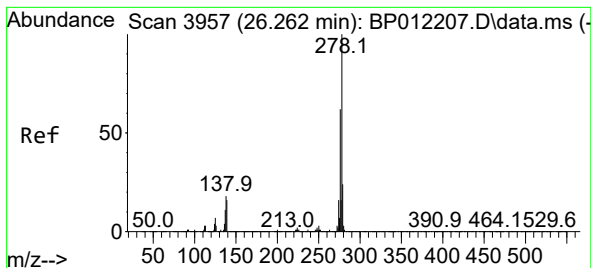
Ion Ratio Lower Upper

276 100

138 19.9 20.3 30.5#

277 24.6 20.2 30.4





#95

Dibenzo(a,h)anthracene

Concen: 11.208 ng/ul

RT: 26.251 min Scan# 3955

Delta R.T. -0.012 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Instrument :

BNA_P

ClientSampleId :

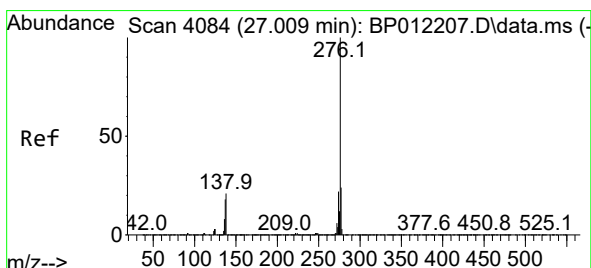
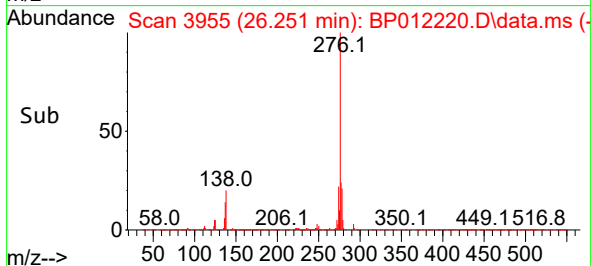
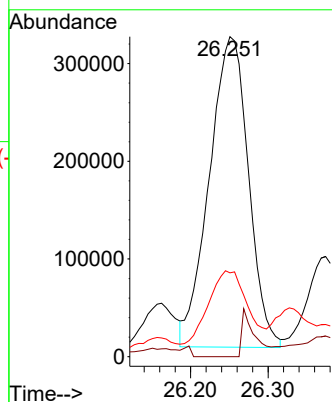
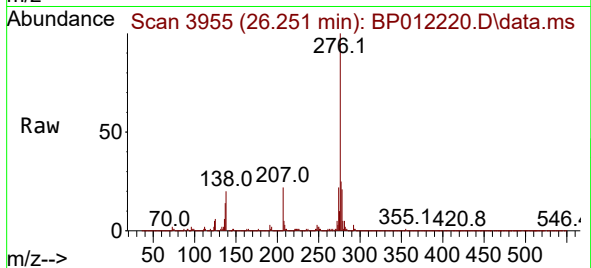
Tgt Ion:278 Resp: 1118366

Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3#

279 26.2 19.0 28.4



#96

Benzo(g,h,i)perylene

Concen: 40.463 ng/ul

RT: 27.027 min Scan# 4087

Delta R.T. 0.018 min

Lab File: BP012220.D

Acq: 20 Oct 2022 18:49

Tgt Ion:276 Resp: 4205023

Ion Ratio Lower Upper

276 100

138 20.4 17.9 26.9

277 23.9 18.9 28.3

