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 Data File : BP021152.D
 Acq On : 25 Jul 2024 18:06
 Operator : MA/JU
 Sample : P3263-04 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

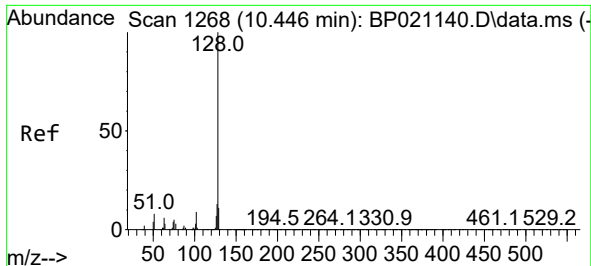
Instrument :
 BNA_P
 ClientSampleId :
 A4BA6

Quant Time: Jul 25 22:40:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 25 00:15:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	141676	20.000	ng/u1	0.01
20) Naphthalene-d8	10.416	136	543620	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.293	164	341088	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	730544	20.000	ng/u1	0.01
79) Chrysene-d12	21.574	240	790947	20.000	ng/u1	0.02
88) Perylene-d12	24.886	264	1077649	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	1202	0.386	ng/uL	0.00
4) Pyridine-d5	3.605	84	40	0.004	ng/u1	0.00
7) Phenol-d5	6.905	99	16391	1.419	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.011	67	9908	1.415	ng/u1	0.02
11) 2-Chlorophenol-d4	7.216	132	14130	1.485	ng/u1	0.01
15) 4-Methylphenol-d8	8.410	113	12092	1.260	ng/u1	0.03
21) Nitrobenzene-d5	8.840	128	5680	1.345	ng/u1	0.04
24) 2-Nitrophenol-d4	9.540	143	7178	1.485	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.057	165	82	0.009	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.516	131	4151	0.359	ng/u1	-0.05
46) Dimethylphthalate-d6	13.710	166	50115	2.021	ng/u1	0.01
49) Acenaphthylene-d8	13.987	160	55942	2.009	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	108	0.031	ng/u1	0.00
60) Fluorene-d10	15.310	176	46303	2.276	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	166	0.038	ng/u1	0.00
73) Anthracene-d10	17.216	188	72929	2.248	ng/u1	0.01
81) Pyrene-d10	19.604	212	81565	1.668	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.657	264	83389	1.569	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.469	128	591457	20.684	ng/u1	99
36) 2-Methylnaphthalene	12.087	142	401454	20.453	ng/u1	99
37) 1-Methylnaphthalene	12.304	142	269402	13.345	ng/u1	96
43) 1,1'-Biphenyl	13.110	154	111765	4.484	ng/u1	99
52) Acenaphthene	14.363	153	1580267	75.529	ng/u1	99
56) Dibenzofuran	14.704	168	1296399	45.248	ng/u1	99
61) Fluorene	15.369	166	1820142	77.849	ng/u1	99
72) Phenanthrene	17.169	178	11570458	305.308	ng/u1	98
74) Anthracene	17.257	178	3922757	101.533	ng/u1	100
77) Carbazole	17.539	167	1493138	47.276	ng/u1	99
80) Fluoranthene	19.269	202	10984821	186.015	ng/u1	97
82) Pyrene	19.645	202	7869777	130.961	ng/u1	99
85) Benzo(a)anthracene	21.551	228	6215697	112.184	ng/u1	97
87) Chrysene	21.551	228	6162402	119.695	ng/u1	96
90) Benzo(b)fluoranthene	23.839	252	6163657	94.250	ng/u1	98
91) Benzo(k)fluoranthene	23.904	252	2343938	35.914	ng/u1	97
93) Benzo(a)pyrene	24.727	252	3012578	48.748	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.662	276	2281290	28.647	ng/u1	98
95) Dibenzo(a,h)anthracene	28.692	278	387347	5.874	ng/u1#	90
96) Benzo(g,h,i)perylene	29.845	276	262679	4.050	ng/u1#	91

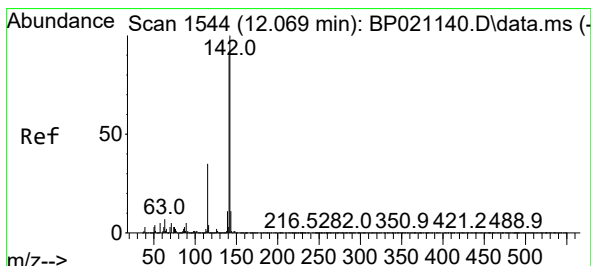
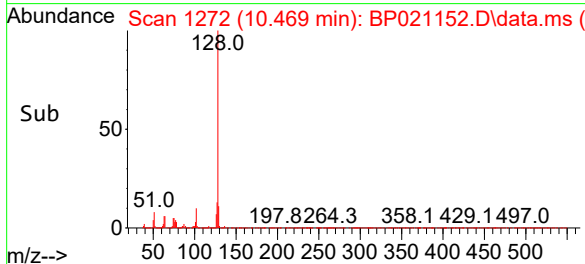
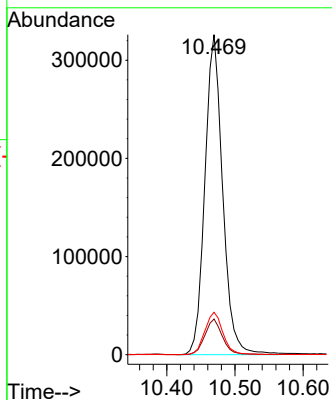
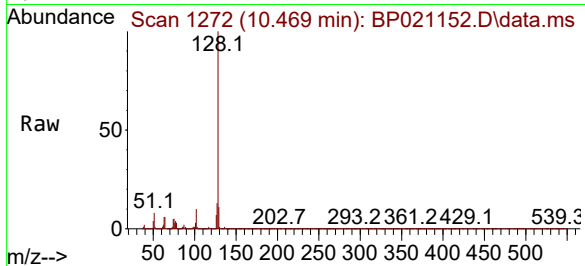
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#30
Naphthalene
Concen: 20.684 ng/ul
RT: 10.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

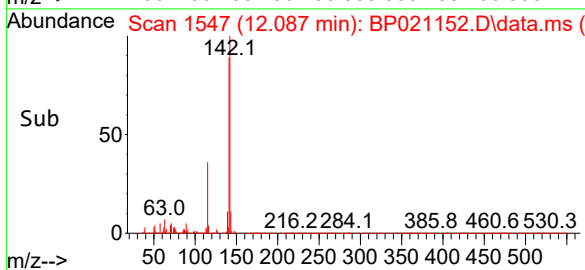
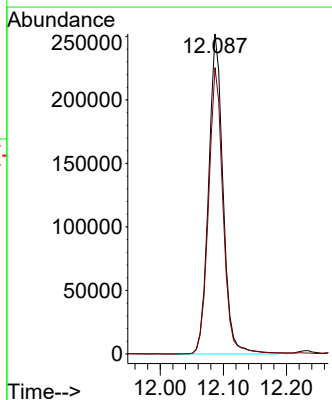
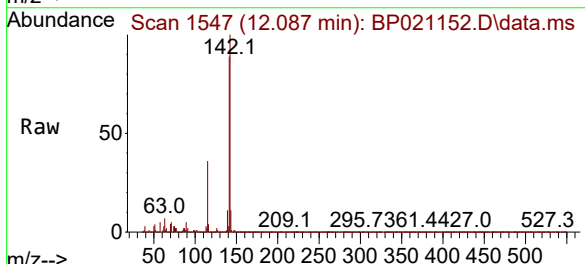
Instrument :
BNA_P
ClientSampleId :
A4BA6

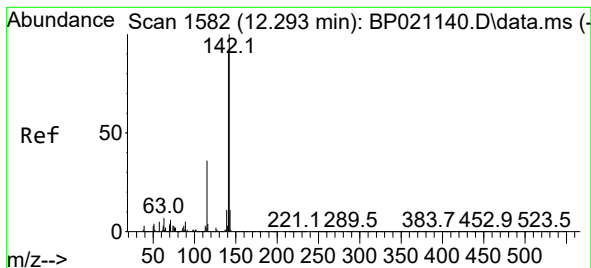
Tgt Ion:128 Resp: 591457
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.3 10.8 16.2



#36
2-Methylnaphthalene
Concen: 20.453 ng/ul
RT: 12.087 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:142 Resp: 401454
Ion Ratio Lower Upper
142 100
141 89.5 72.6 108.8





#37

1-Methylnaphthalene

Concen: 13.345 ng/ul

RT: 12.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

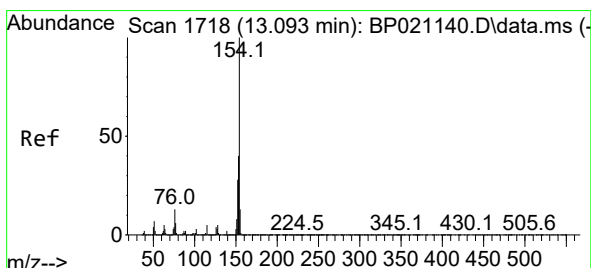
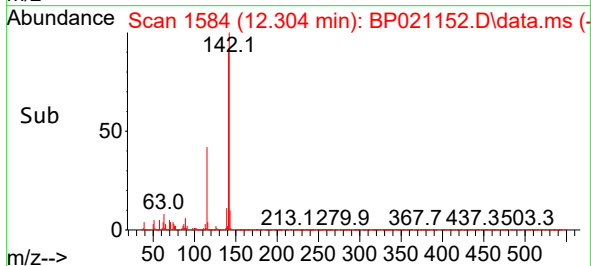
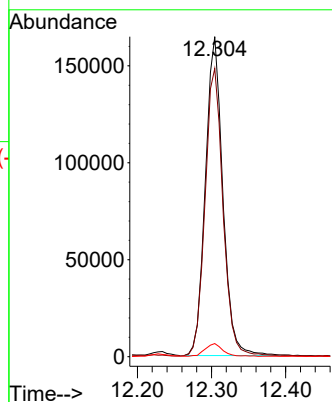
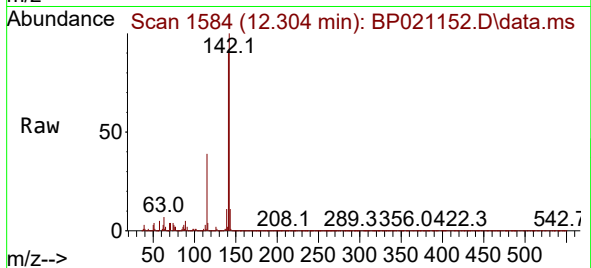
Tgt Ion:142 Resp: 269402

Ion Ratio Lower Upper

142 100

141 90.0 75.0 112.6

116 4.1 3.2 4.8



#43

1,1'-Biphenyl

Concen: 4.484 ng/ul

RT: 13.110 min Scan# 1721

Delta R.T. 0.006 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

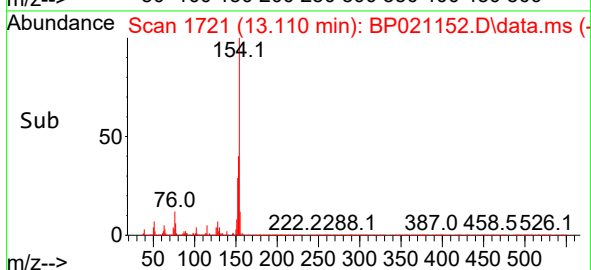
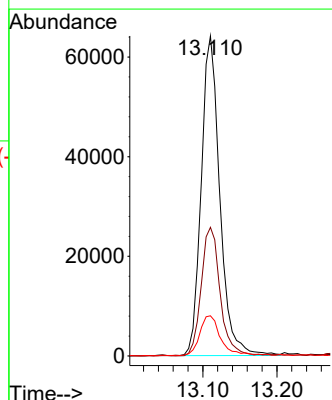
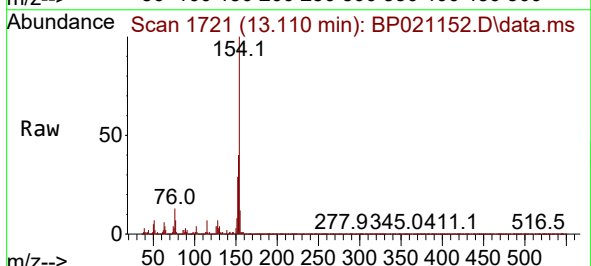
Tgt Ion:154 Resp: 111765

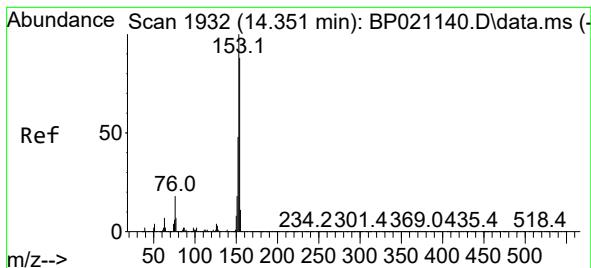
Ion Ratio Lower Upper

154 100

153 40.2 32.7 49.1

76 12.5 9.4 14.2





#52

Acenaphthene

Concen: 75.529 ng/ul

RT: 14.363 min Scan# 1932

Delta R.T. 0.006 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

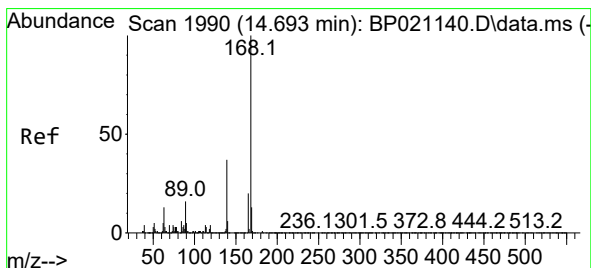
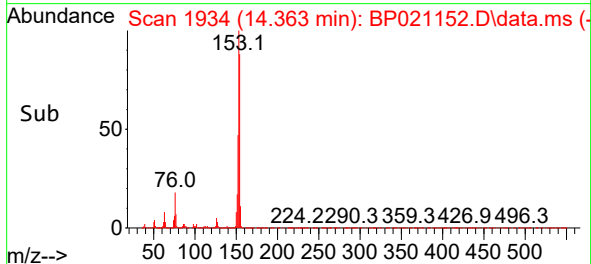
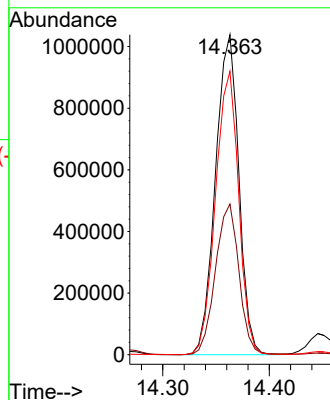
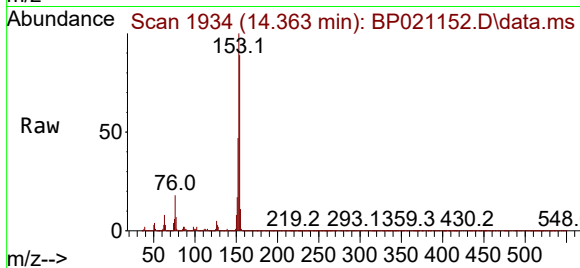
Tgt Ion:153 Resp: 1580267

Ion Ratio Lower Upper

153 100

152 47.1 37.8 56.6

154 88.5 71.8 107.6



#56

Dibenzofuran

Concen: 45.248 ng/ul

RT: 14.704 min Scan# 1992

Delta R.T. 0.006 min

Lab File: BP021152.D

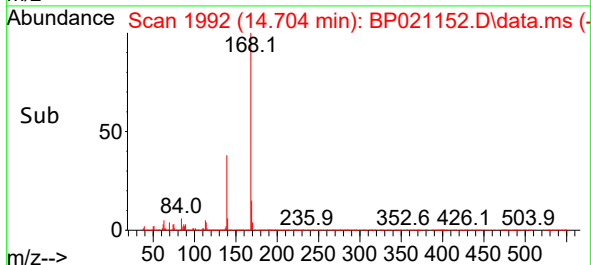
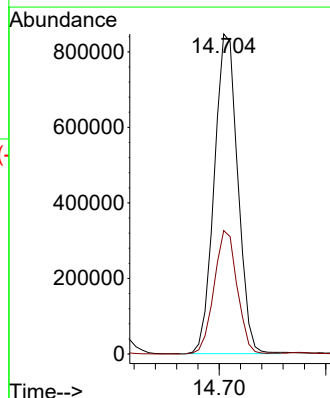
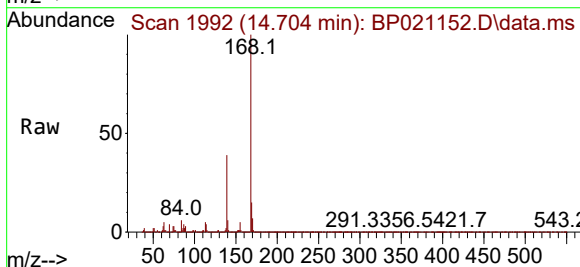
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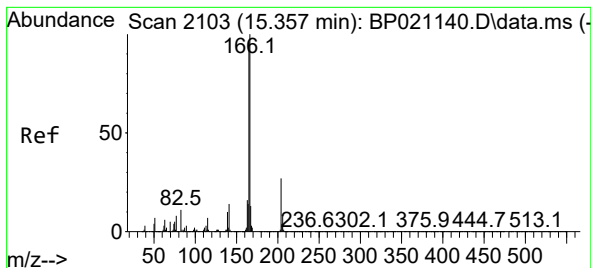
Tgt Ion:168 Resp: 1296399

Ion Ratio Lower Upper

168 100

139 38.5 31.1 46.7





#61

Fluorene

Concen: 77.849 ng/ul

RT: 15.369 min Scan# 2103

Delta R.T. 0.012 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

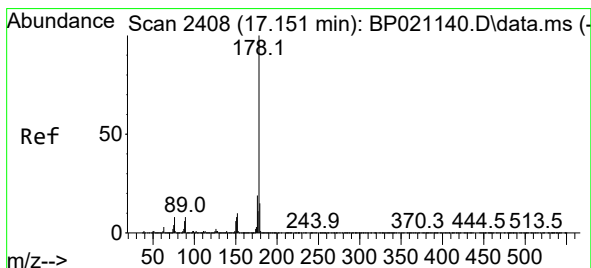
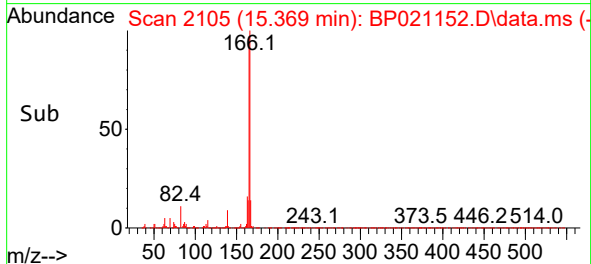
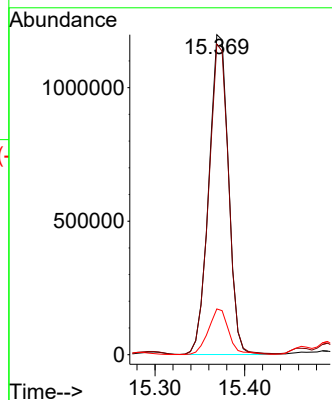
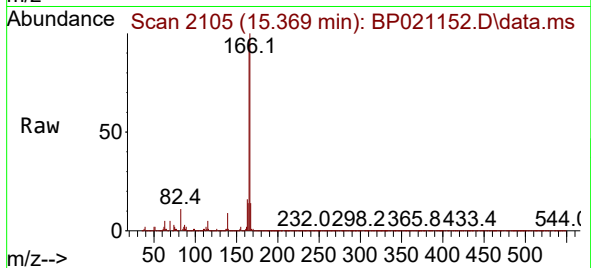
Tgt Ion:166 Resp: 1820142

Ion Ratio Lower Upper

166 100

165 97.1 78.1 117.1

167 14.3 10.9 16.3



#72

Phenanthrene

Concen: 305.308 ng/ul

RT: 17.169 min Scan# 2411

Delta R.T. 0.023 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

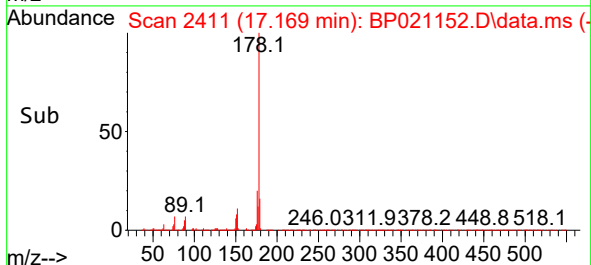
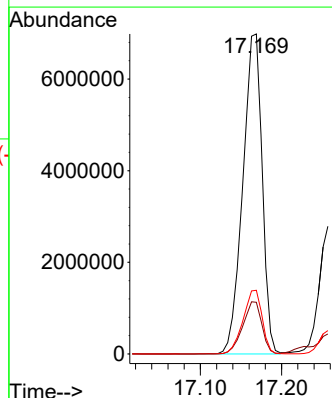
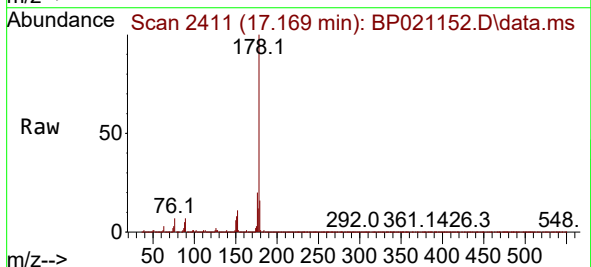
Tgt Ion:178 Resp:11570458

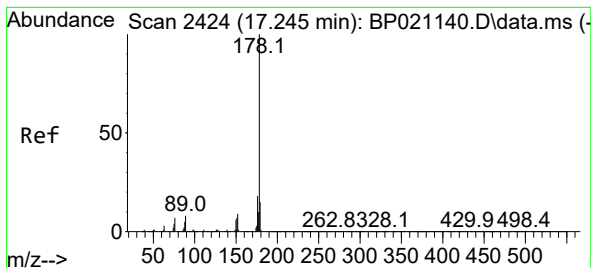
Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

176 19.9 15.0 22.4





#74

Anthracene

Concen: 101.533 ng/ul

RT: 17.257 min Scan# 2424

Delta R.T. 0.018 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

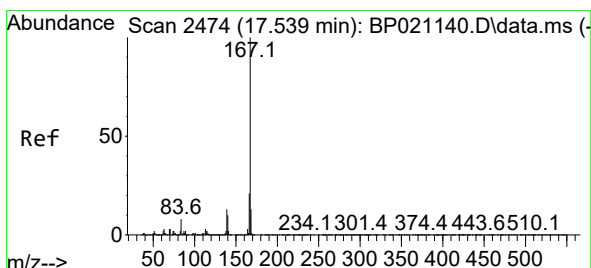
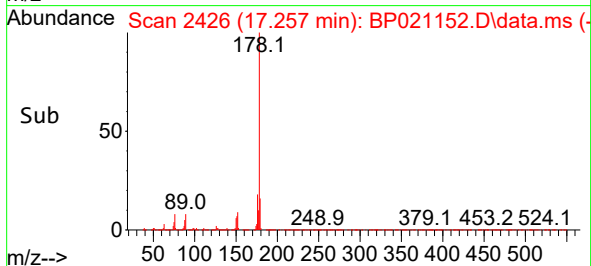
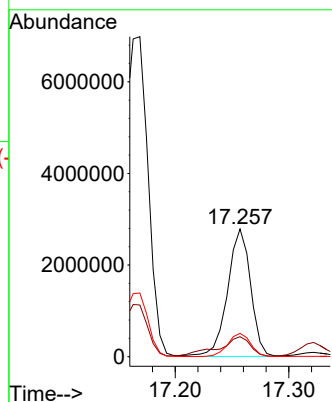
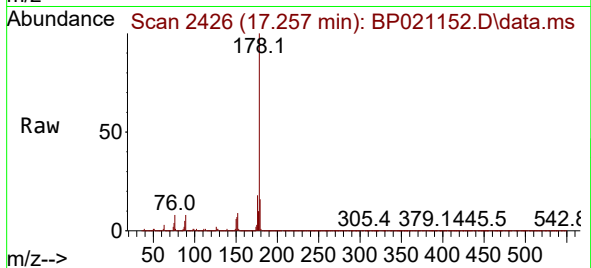
Tgt Ion:178 Resp: 3922757

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 18.3 14.8 22.2



#77

Carbazole

Concen: 47.276 ng/ul

RT: 17.539 min Scan# 2474

Delta R.T. -0.000 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

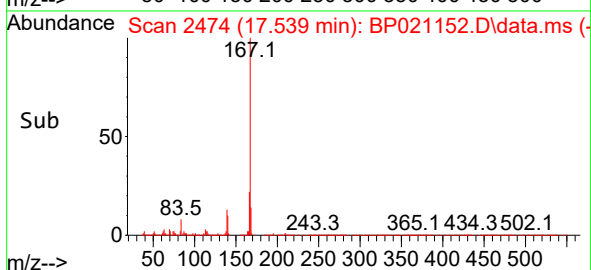
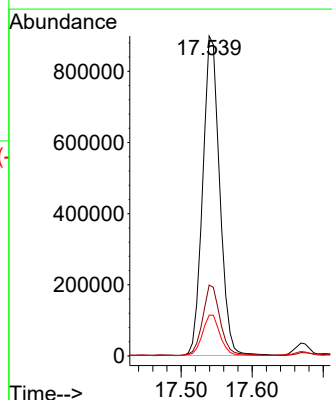
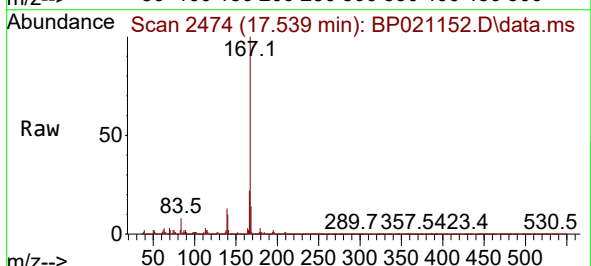
Tgt Ion:167 Resp: 1493138

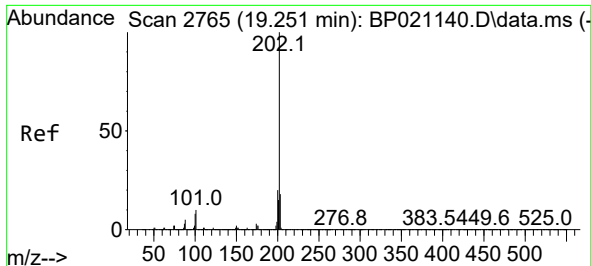
Ion Ratio Lower Upper

167 100

166 22.1 17.3 25.9

139 12.8 10.2 15.2

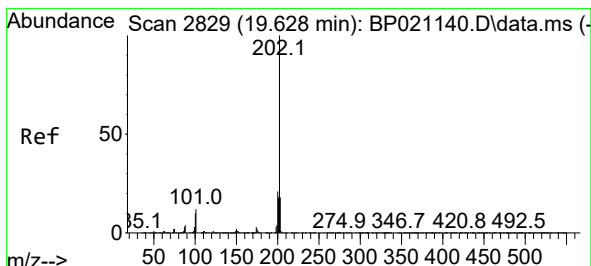
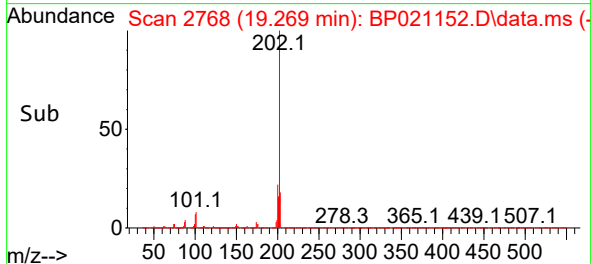
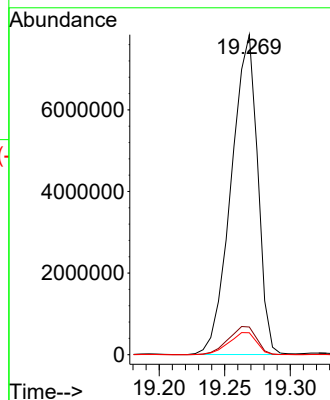
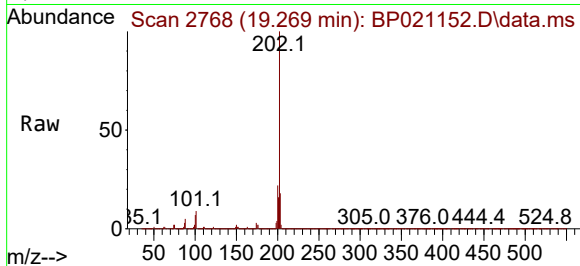




#80
Fluoranthene
Concen: 186.015 ng/ul
RT: 19.269 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

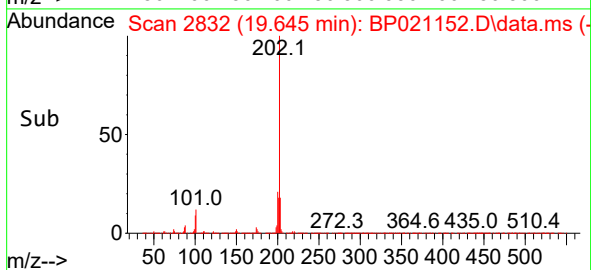
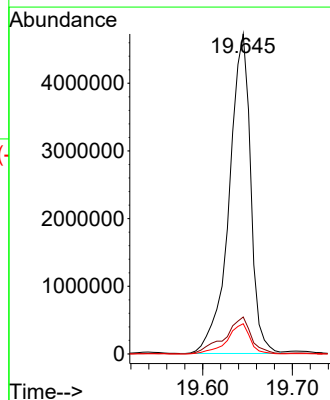
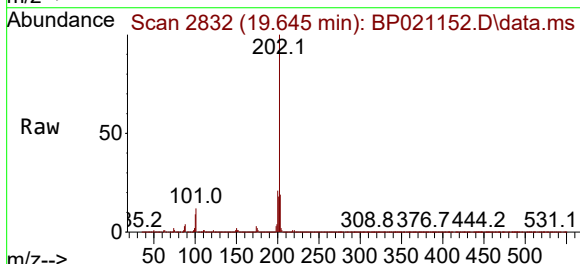
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BNA_P
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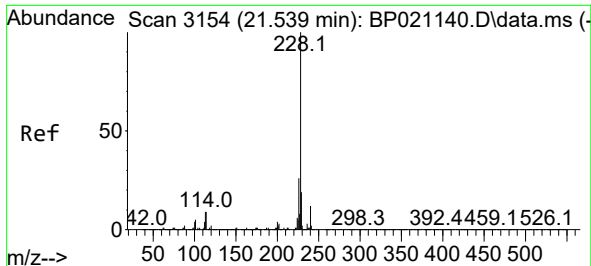
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Ion Ratio Lower Upper
202 100
101 8.6 8.0 12.0
100 6.9 6.1 9.1



#82
Pyrene
Concen: 130.961 ng/ul
RT: 19.645 min Scan# 2832
Delta R.T. 0.029 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:202 Resp: 7869777
Ion Ratio Lower Upper
202 100
101 11.5 9.4 14.2
100 9.4 7.8 11.6

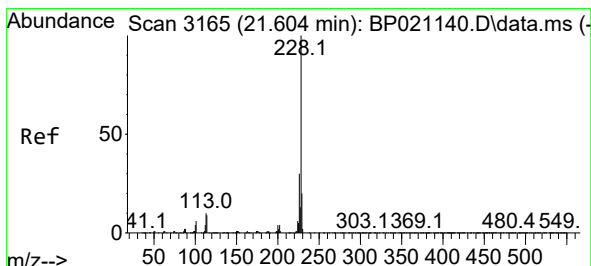
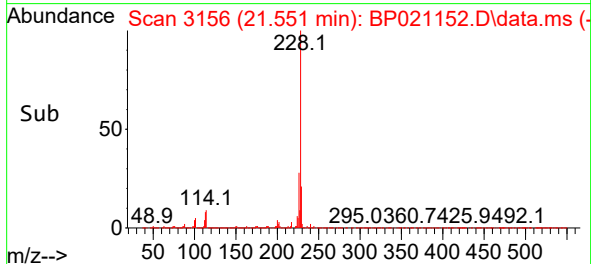
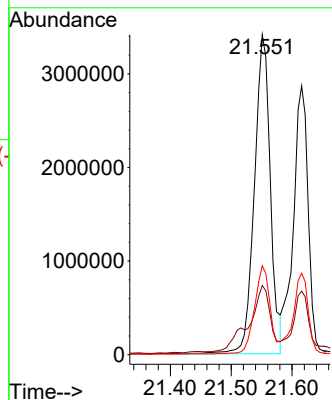
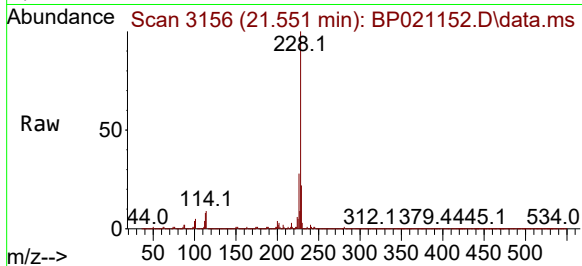




#85
Benzo(a)anthracene
Concen: 112.184 ng/ul
RT: 21.551 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

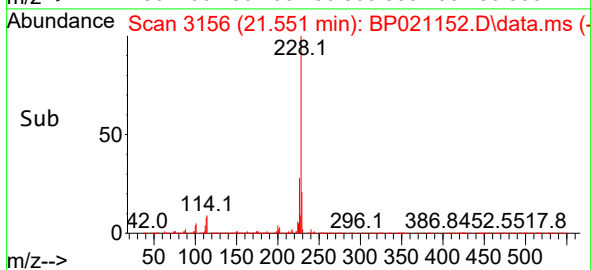
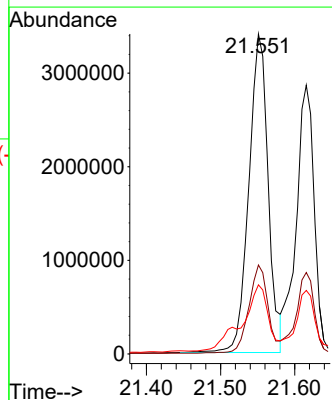
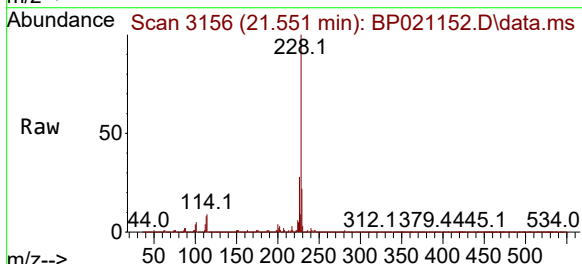
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ClientSampleId :
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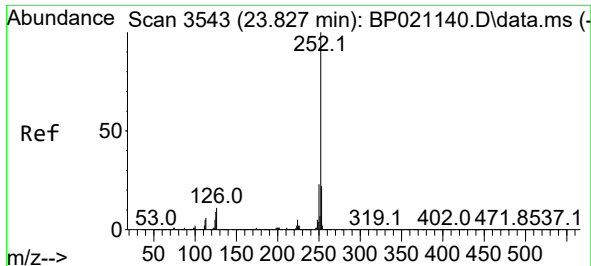
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Ion Ratio Lower Upper
228 100
229 21.6 15.5 23.3
226 27.8 21.4 32.2



#87
Chrysene
Concen: 119.695 ng/ul
RT: 21.551 min Scan# 3156
Delta R.T. -0.053 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:228 Resp: 6162402
Ion Ratio Lower Upper
228 100
226 27.8 23.6 35.4
229 21.6 15.5 23.3

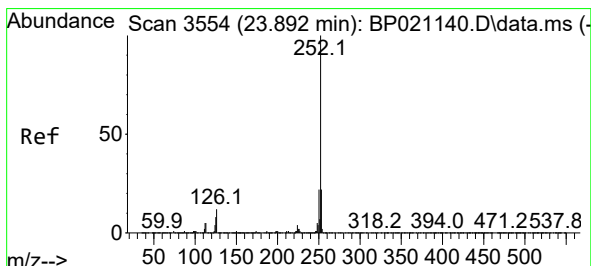
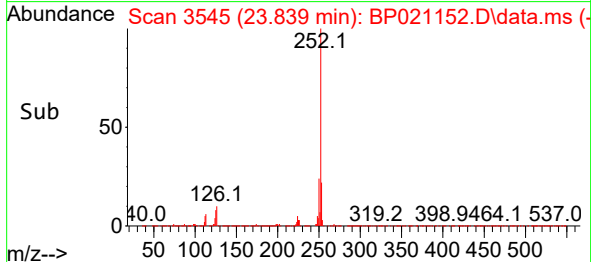
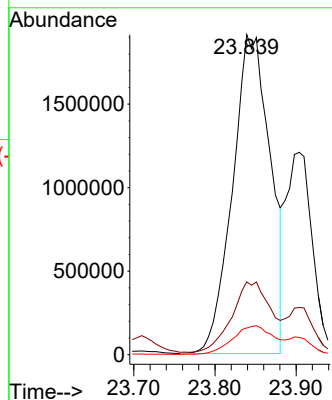
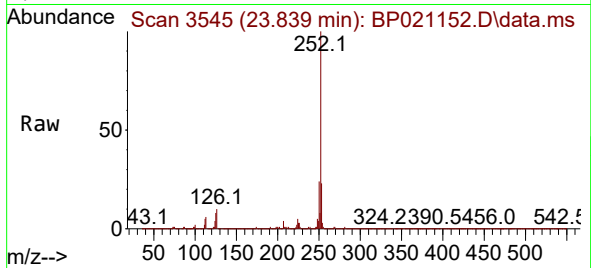




#90
Benzo(b)fluoranthene
Concen: 94.250 ng/ul
RT: 23.839 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

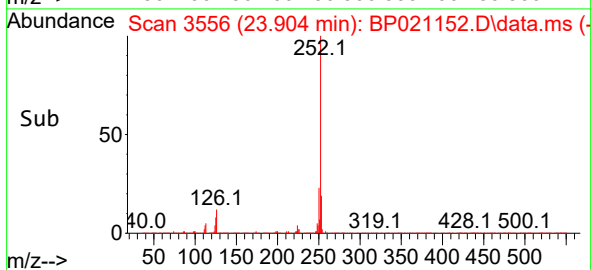
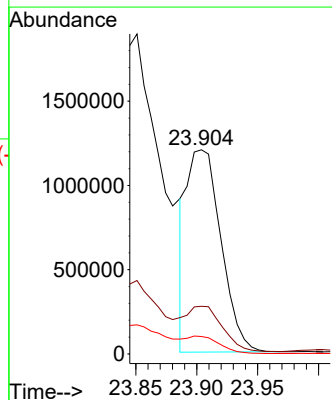
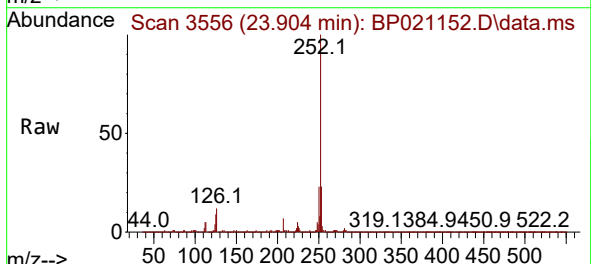
Instrument :
BNA_P
ClientSampleId :
A4BA6

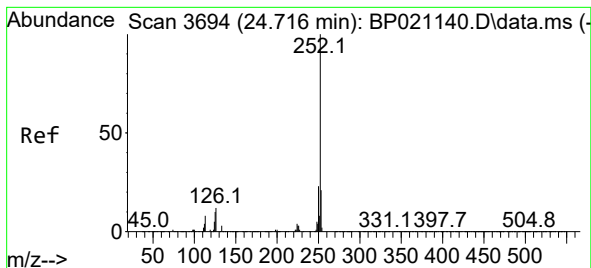
Tgt Ion:252 Resp: 6163657
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 8.4 7.0 10.4



#91
Benzo(k)fluoranthene
Concen: 35.914 ng/ul
RT: 23.904 min Scan# 3556
Delta R.T. 0.018 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:252 Resp: 2343938
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 8.6 7.4 11.0





#93

Benzo(a)pyrene

Concen: 48.748 ng/ul

RT: 24.727 min Scan# 3012

Delta R.T. 0.012 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

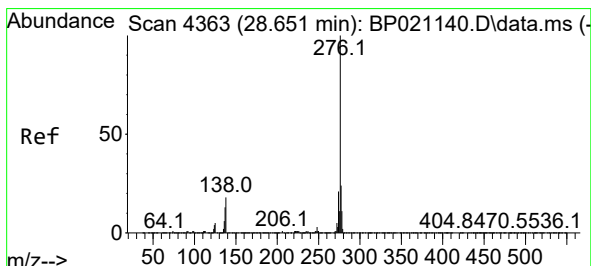
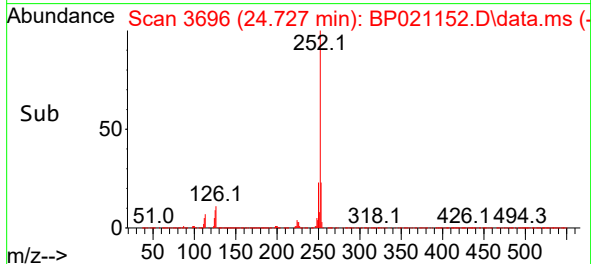
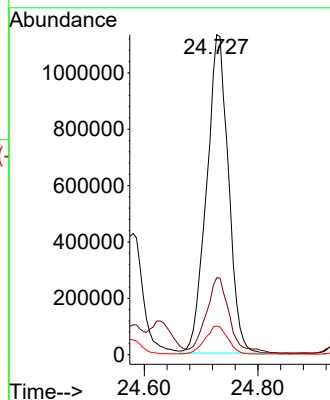
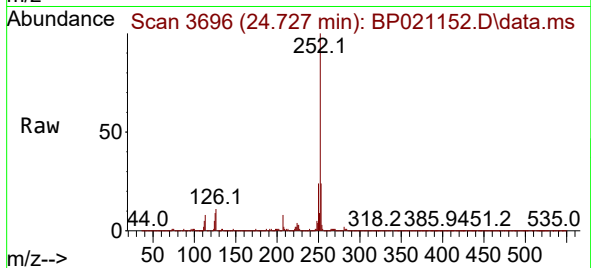
Tgt Ion:252 Resp: 3012578

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 8.9 7.7 11.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 28.647 ng/ul

RT: 28.662 min Scan# 4365

Delta R.T. 0.023 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

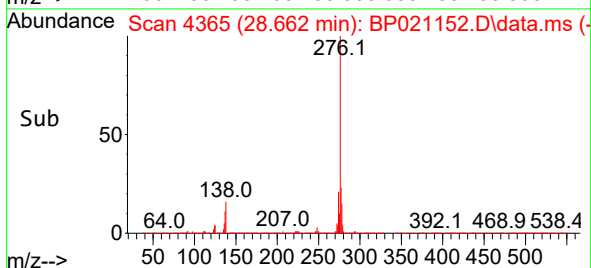
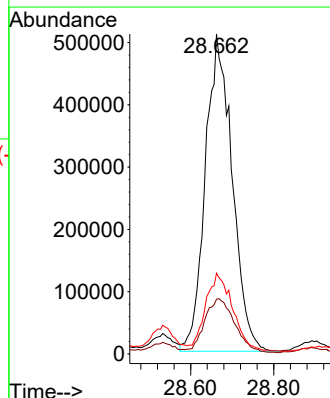
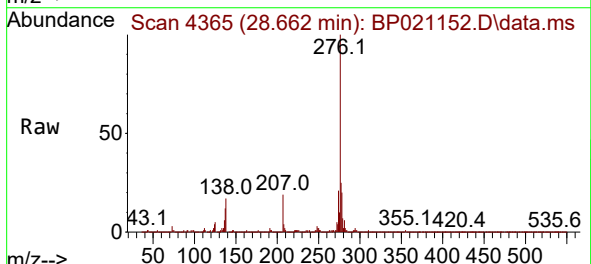
Tgt Ion:276 Resp: 2281290

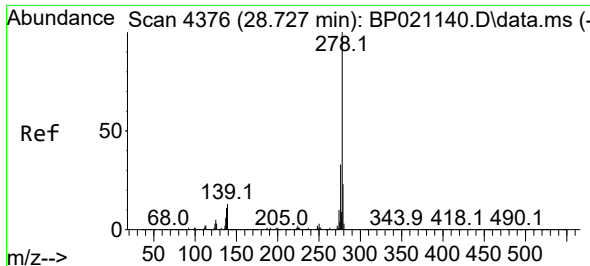
Ion Ratio Lower Upper

276 100

138 17.1 14.3 21.5

277 25.2 19.2 28.8

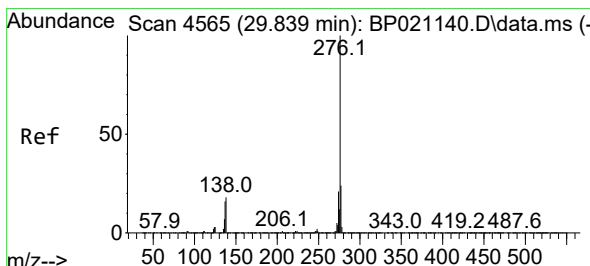
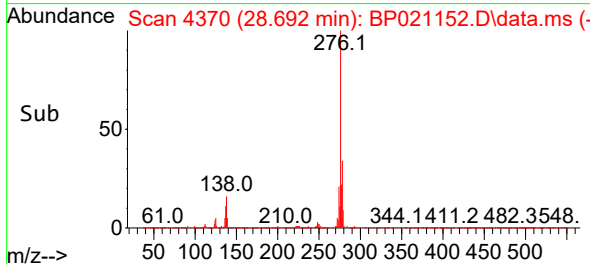
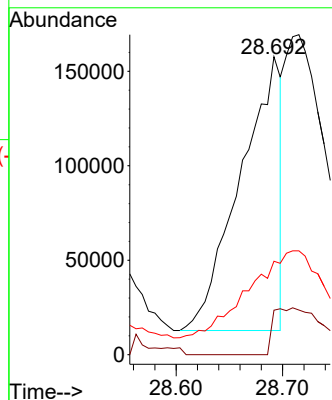
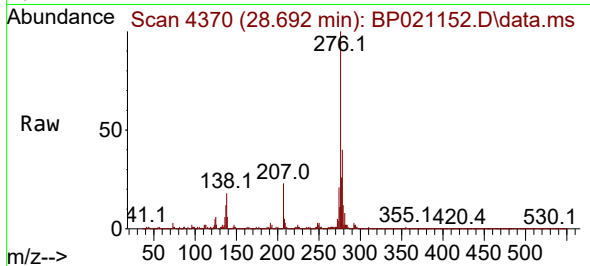




#95
Dibenzo(a,h)anthracene
Concen: 5.874 ng/ul
RT: 28.692 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Instrument :
BNA_P
ClientSampleId :
A4BA6

Tgt Ion:278 Resp: 387347
Ion Ratio Lower Upper
278 100
139 15.0 10.9 16.3
279 31.4 19.4 29.0#



#96
Benzo(g,h,i)perylene
Concen: 4.050 ng/ul
RT: 29.845 min Scan# 4566
Delta R.T. 0.035 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:276 Resp: 262679
Ion Ratio Lower Upper
276 100
138 22.4 15.3 22.9
277 27.8 18.2 27.2#

