

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011464.D
 Acq On : 17 Aug 2022 15:56
 Operator : CG/JU
 Sample : N4173-12DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 23:29:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	122217	20.000	ng/ul	0.00
20) Naphthalene-d8	10.352	136	538128	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.240	164	309808	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.016	188	585481	20.000	ng/ul	0.01
79) Chrysene-d12	21.163	240	629405	20.000	ng/ul	0.03
88) Perylene-d12	23.333	264	426418	20.000	ng/ul	-0.09
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.070	96	6868	1.744	ng/uL	0.00
4) Pyridine-d5	3.487	84	44463	4.410	ng/ul	0.00
7) Phenol-d5	6.752	99	139141	12.389	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.911	67	83974	11.508	ng/ul	0.00
11) 2-Chlorophenol-d4	7.093	132	112000	13.558	ng/ul	0.00
15) 4-Methylphenol-d8	8.281	113	113078	12.579	ng/ul	0.00
21) Nitrobenzene-d5	8.728	128	53537	13.819	ng/ul	0.00
24) 2-Nitrophenol-d4	9.446	143	54667	13.865	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.981	165	97504	13.397	ng/ul	0.00
31) 4-Chloroaniline-d4	10.505	131	142730	11.781	ng/ul	0.00
46) Dimethylphthalate-d6	13.663	166	305623	13.948	ng/ul	0.00
49) Acenaphthylene-d8	13.928	160	355306	14.589	ng/ul	0.00
54) 4-Nitrophenol-d4	14.481	143	34947	8.278	ng/ul	0.02
60) Fluorene-d10	15.240	176	261343	14.177	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.363	200	115	0.036	ng/ul	0.00
73) Anthracene-d10	17.122	188	397021	15.311	ng/ul	0.02
81) Pyrene-d10	19.386	212	426248	13.385	ng/ul	0.02
92) Benzo(a)pyrene-d12	23.333	264	413506	19.935	ng/ul	0.05
Target Compounds						
					Qvalue	
8) Phenol	6.781	94	19707	1.707	ng/ul	97
13) 2-Methylphenol	8.028	108	9309	1.095	ng/ul	86
18) 4-Methylphenol	8.358	108	23767	2.525	ng/ul	96
30) Naphthalene	10.405	128	3832588	134.887	ng/ul	99
32) 4-Chloroaniline	10.405	127	510265	40.652	ng/ul#	6
36) 2-Methylnaphthalene	12.034	142	652302	35.286	ng/ul	99
37) 1-Methylnaphthalene	12.252	142	479197	25.558	ng/ul	98
43) 1,1'-Biphenyl	13.063	154	282866	12.254	ng/ul	98
50) Acenaphthylene	13.957	152	1880496	64.996	ng/ul	98
52) Acenaphthene	14.304	153	150565	7.770	ng/ul	97
56) Dibenzofuran	14.646	168	1743353	65.237	ng/ul	99
61) Fluorene	15.298	166	983598	44.991	ng/ul	99
63) 4-Nitroaniline	15.298	138	14513	3.388	ng/ul#	8
72) Phenanthrene	17.157	178	3181029	100.379	ng/ul	99
74) Anthracene	17.157	178	3199197	100.065	ng/ul	100
77) Carbazole	17.434	167	1172210	38.980	ng/ul	99
80) Fluoranthene	19.204	202	1285543	32.827	ng/ul	99
82) Pyrene	19.486	202	45193	1.098	ng/ul#	55
83) Butylbenzylphthalate	20.345	149	70054	3.795	ng/ul#	30
85) Benzo(a)anthracene	21.151	228	13613305	355.006	ng/ul#	91
86) Bis(2-ethylhexyl)phtha...	21.098	149	70175	2.569	ng/ul#	64
87) Chrysene	21.151	228	13613305	361.391	ng/ul	93
90) Benzo(b)fluoranthene	22.804	252	15387855	580.125	ng/ul	96
91) Benzo(k)fluoranthene	22.804	252	20441658	807.566	ng/ul	96

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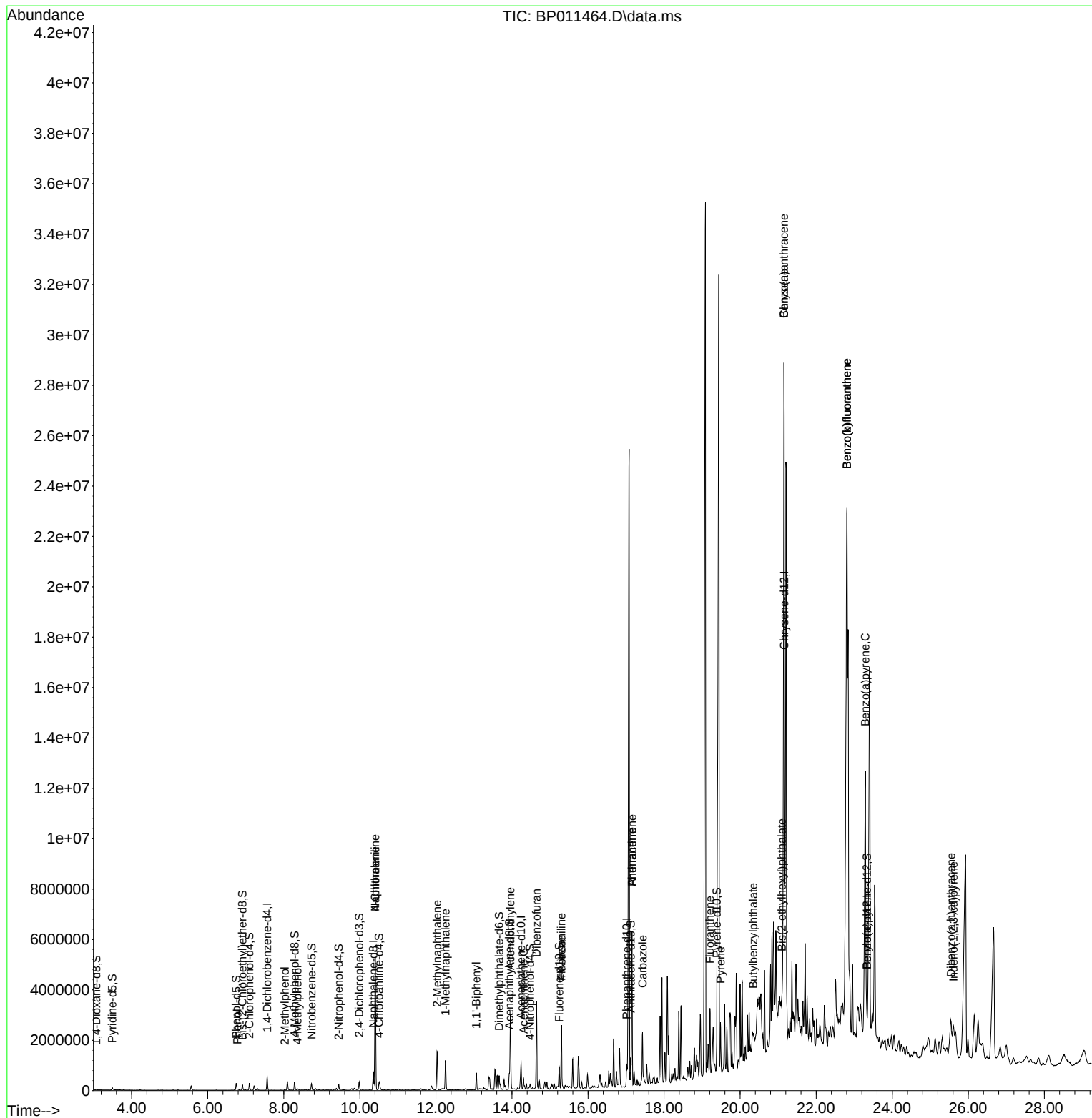
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(a)pyrene	23.292	252	8332217	321.749	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	25.610	276	1123083	38.881	ng/ul	94
95) Dibenzo(a,h)anthracene	25.545	278	1026370	41.267	ng/ul	94

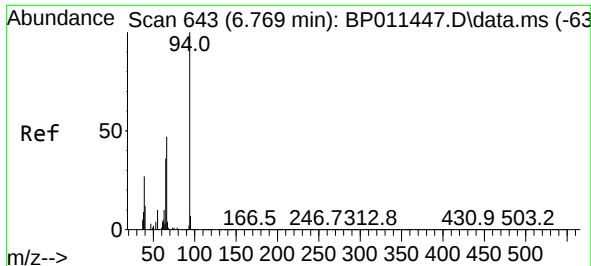
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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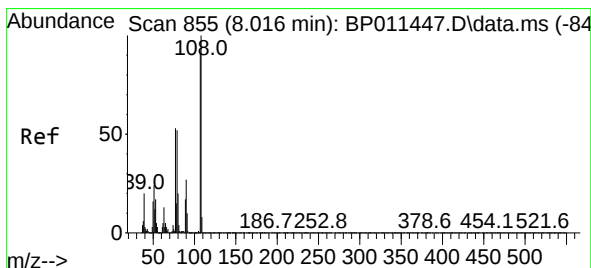
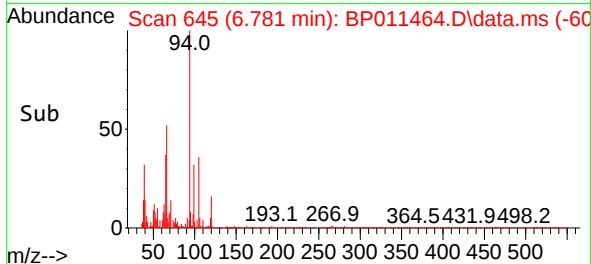
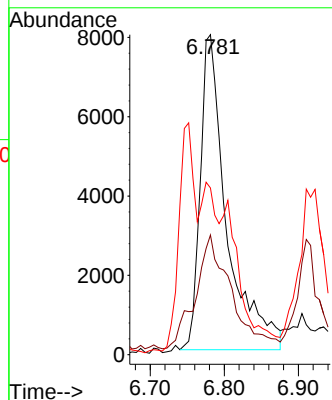
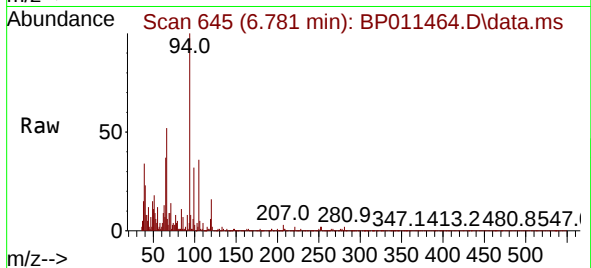




#8
Phenol
Concen: 1.707 ng/ul
RT: 6.781 min Scan# 643
Delta R.T. 0.012 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

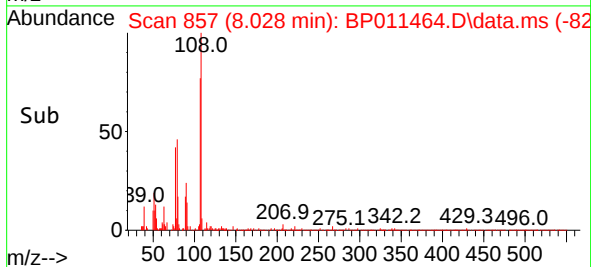
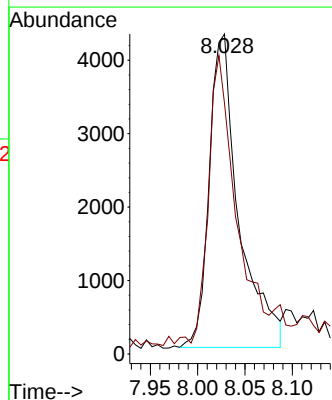
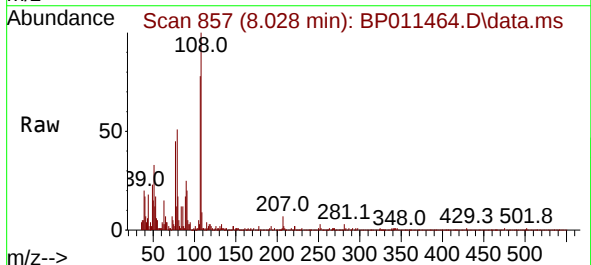
Instrument :
BNA_P
ClientSampleId :

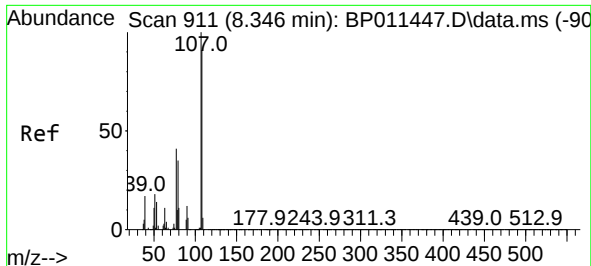
Tgt Ion: 94 Resp: 19707
Ion Ratio Lower Upper
94 100
65 37.4 28.9 43.3
66 52.1 39.4 59.0



#13
2-Methylphenol
Concen: 1.095 ng/ul
RT: 8.028 min Scan# 857
Delta R.T. 0.012 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion: 108 Resp: 9309
Ion Ratio Lower Upper
108 100
107 78.3 73.2 109.8

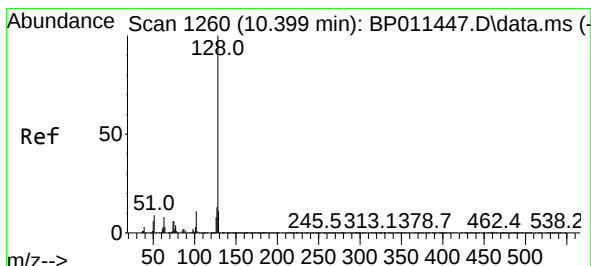
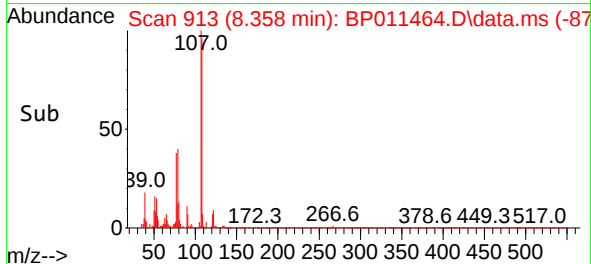
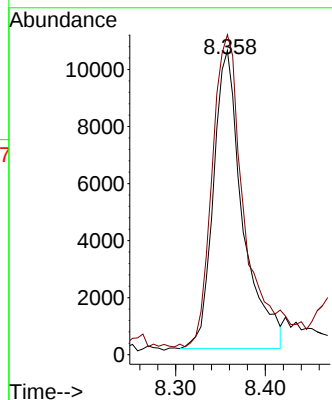
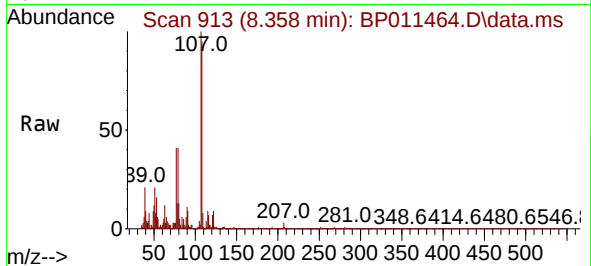




#18
4-Methylphenol
Concen: 2.525 ng/ul
RT: 8.358 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

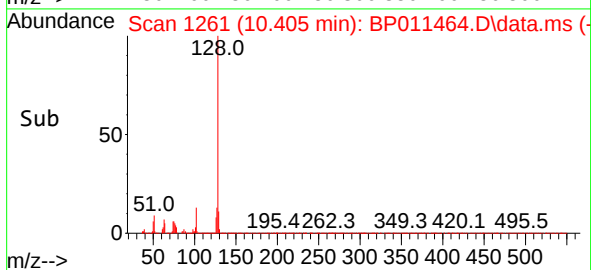
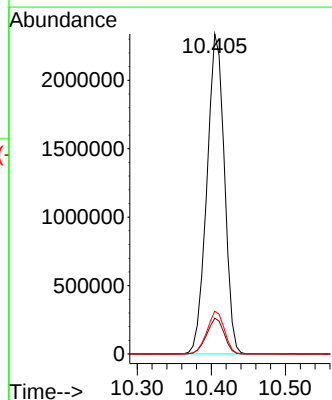
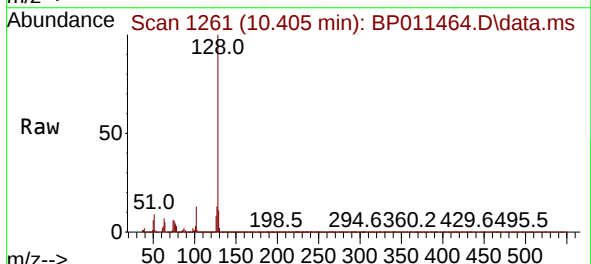
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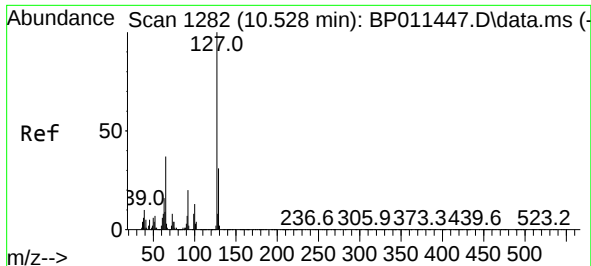
Tgt Ion:108 Resp: 23767
Ion Ratio Lower Upper
108 100
107 105.2 87.7 131.5



#30
Naphthalene
Concen: 134.887 ng/ul
RT: 10.405 min Scan# 1261
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:128 Resp: 3832588
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 10.3 15.5

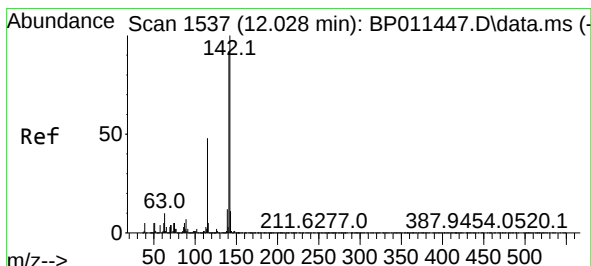
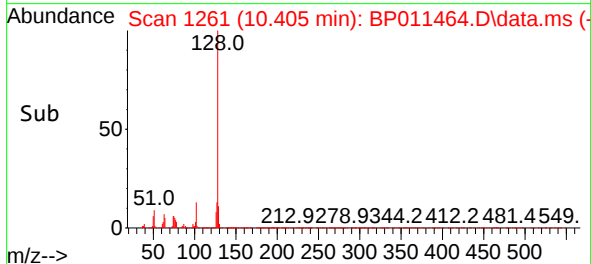
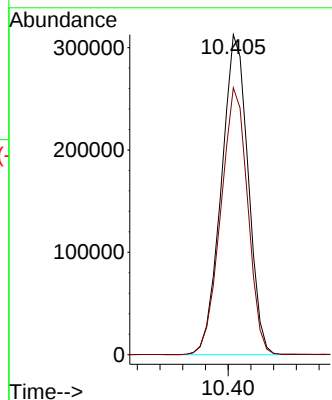
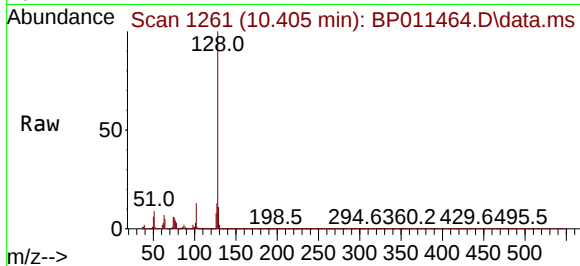




#32
4-Chloroaniline
Concen: 40.652 ng/ul
RT: 10.405 min Scan# 11
Delta R.T. -0.123 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

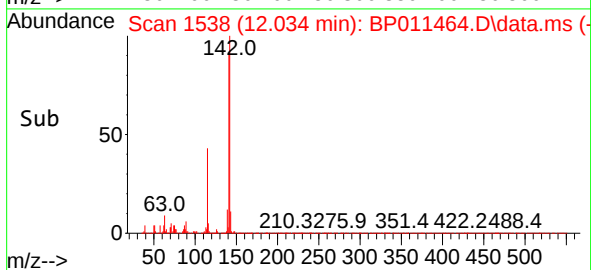
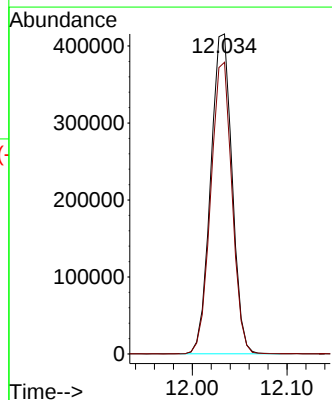
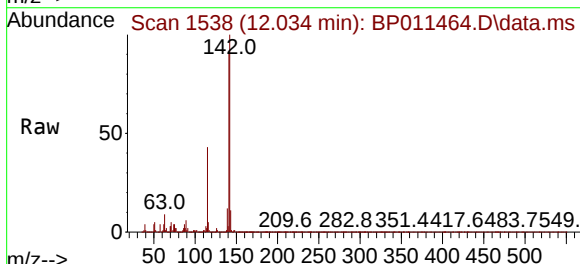
Instrument :
BNA_P
ClientSampleId :

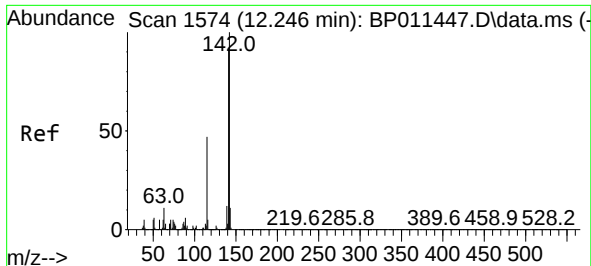
Tgt Ion:127 Resp: 510265
Ion Ratio Lower Upper
127 100
129 83.4 25.1 37.7#



#36
2-Methylnaphthalene
Concen: 35.286 ng/ul
RT: 12.034 min Scan# 1538
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:142 Resp: 652302
Ion Ratio Lower Upper
142 100
141 91.1 73.4 110.0

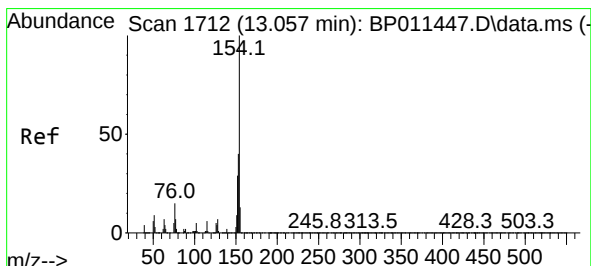
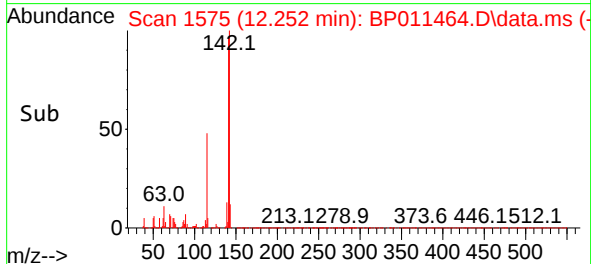
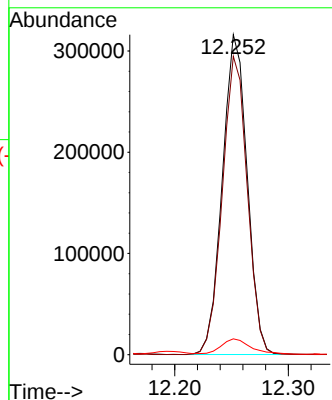
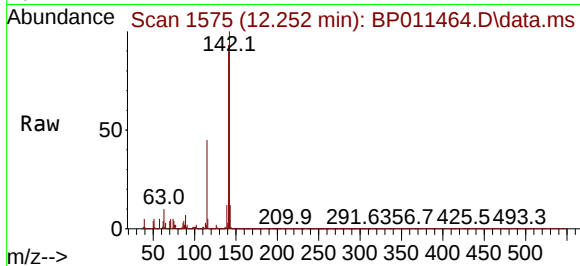




#37
1-Methylnaphthalene
Concen: 25.558 ng/ul
RT: 12.252 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

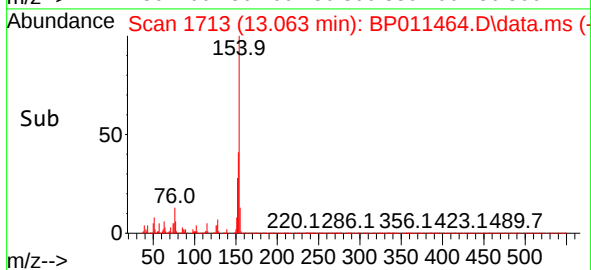
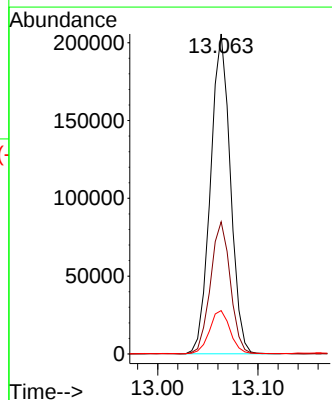
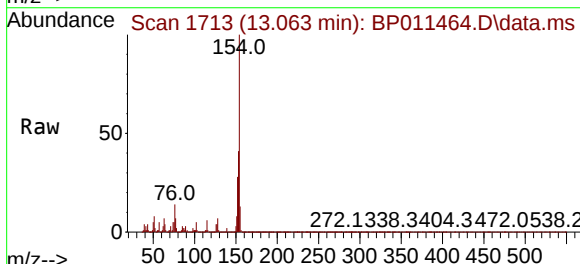
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BNA_P
ClientSampleId :

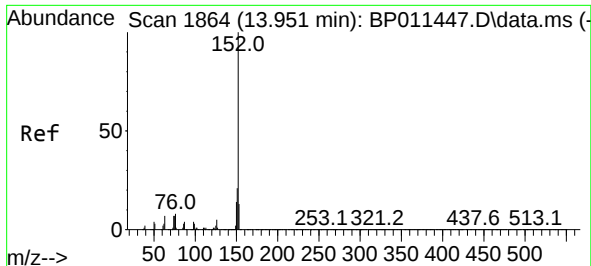
Tgt Ion:142 Resp: 479197
Ion Ratio Lower Upper
142 100
141 93.3 73.0 109.6
116 5.0 4.0 6.0



#43
1,1'-Biphenyl
Concen: 12.254 ng/ul
RT: 13.063 min Scan# 1713
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:154 Resp: 282866
Ion Ratio Lower Upper
154 100
153 41.3 32.2 48.4
76 13.6 11.6 17.4

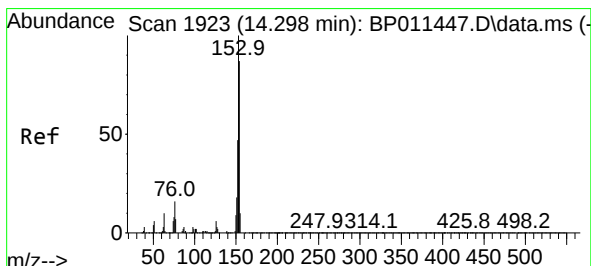
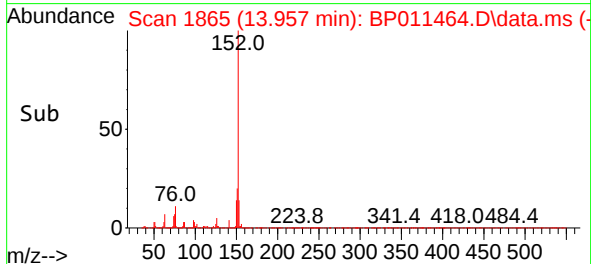
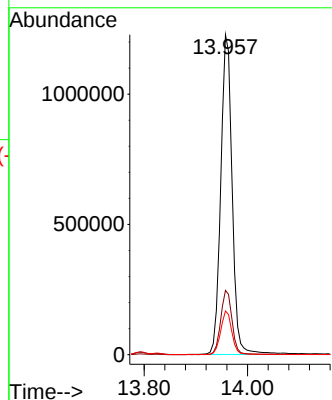
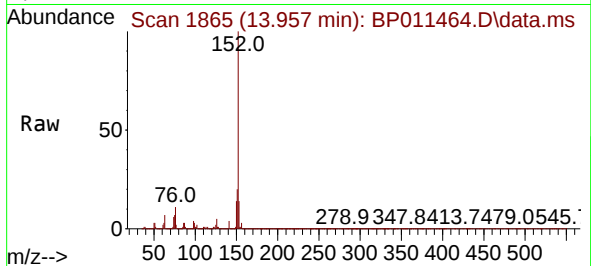




#50
Acenaphthylene
Concen: 64.996 ng/ul
RT: 13.957 min Scan# 1865
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

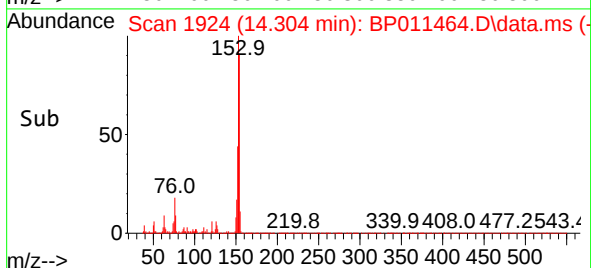
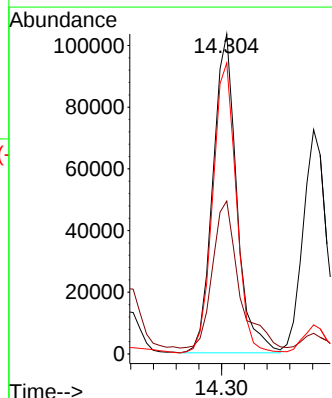
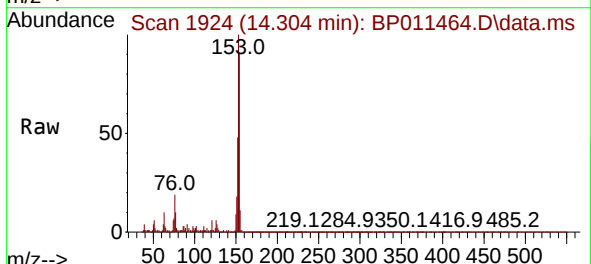
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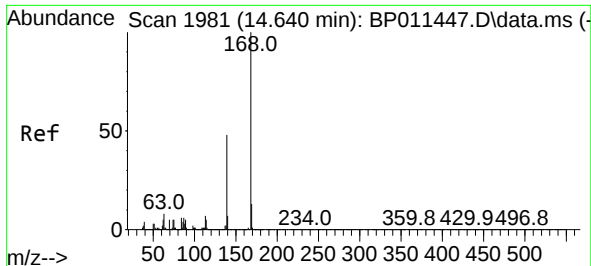
Tgt Ion:152 Resp: 1880496
Ion Ratio Lower Upper
152 100
151 20.1 16.9 25.3
153 13.6 10.6 15.8



#52
Acenaphthene
Concen: 7.770 ng/ul
RT: 14.304 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:153 Resp: 150565
Ion Ratio Lower Upper
153 100
152 47.8 37.7 56.5
154 90.9 69.4 104.0

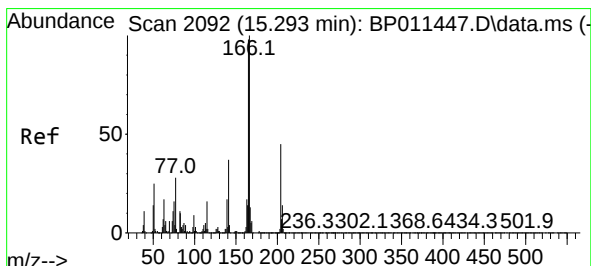
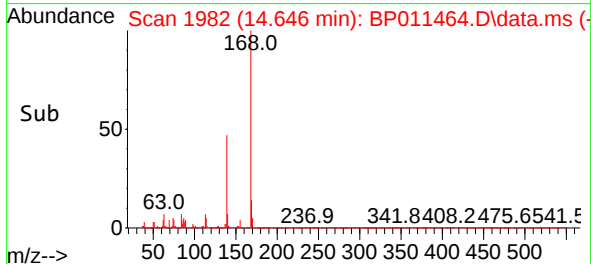
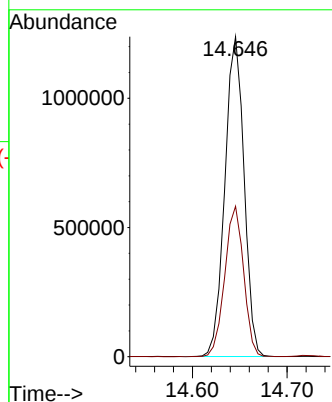
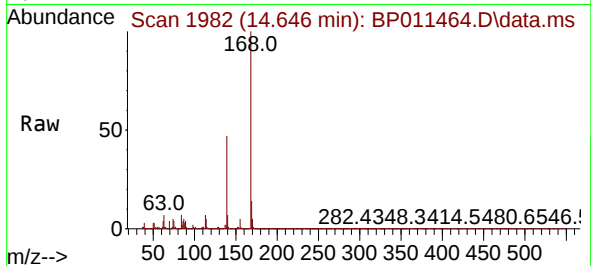




#56
Dibenzofuran
Concen: 65.237 ng/ul
RT: 14.646 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

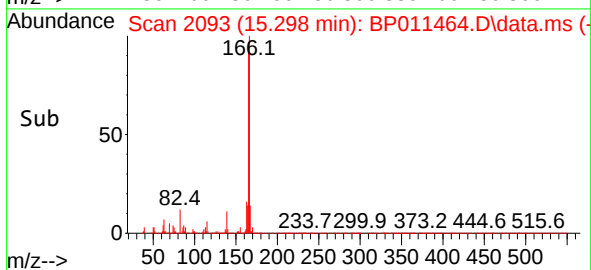
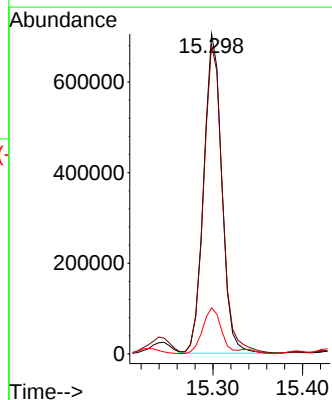
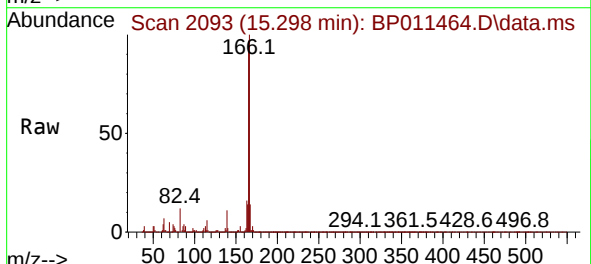
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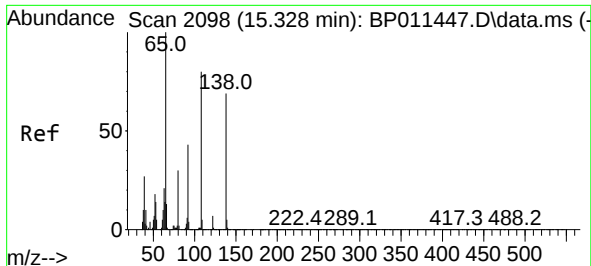
Tgt Ion:168 Resp: 1743353
Ion Ratio Lower Upper
168 100
139 47.0 38.4 57.6



#61
Fluorene
Concen: 44.991 ng/ul
RT: 15.298 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:166 Resp: 983598
Ion Ratio Lower Upper
166 100
165 96.7 78.2 117.2
167 14.4 10.3 15.5

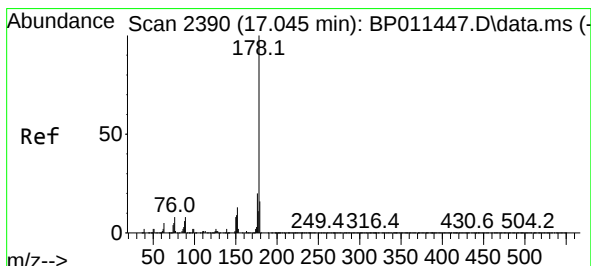
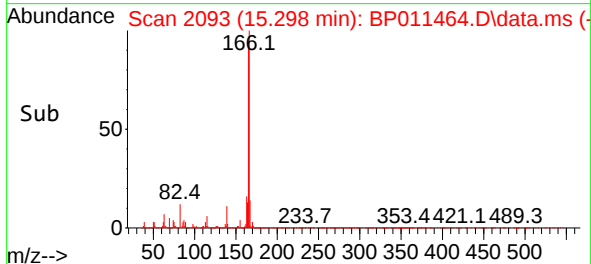
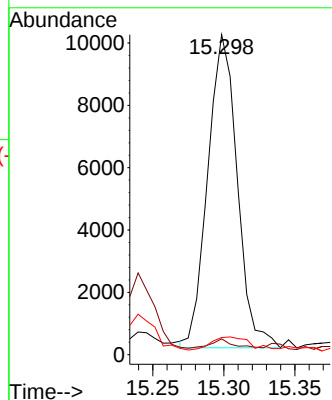
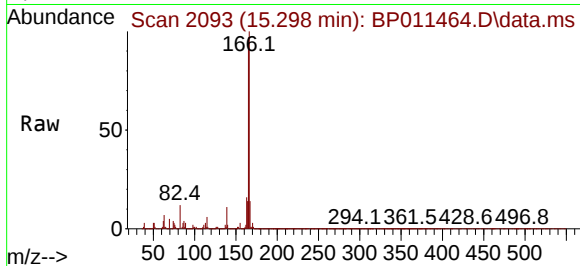




#63
4-Nitroaniline
Concen: 3.388 ng/ul
RT: 15.298 min Scan# 2098
Delta R.T. -0.029 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

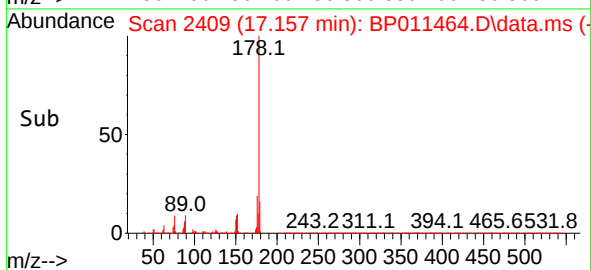
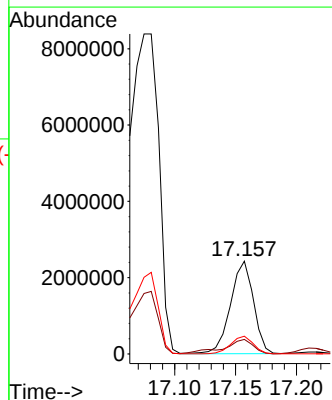
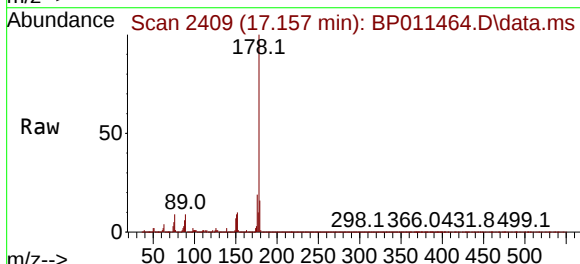
Instrument :
BNA_P
ClientSampleId :

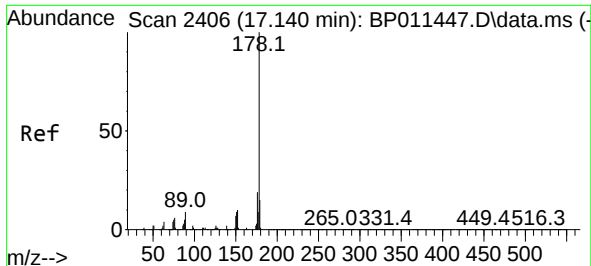
Tgt Ion:138 Resp: 14513
Ion Ratio Lower Upper
138 100
92 5.0 49.5 74.3#
108 5.4 93.7 140.5#



#72
Phenanthrene
Concen: 100.379 ng/ul
RT: 17.157 min Scan# 2409
Delta R.T. 0.112 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:178 Resp: 3181029
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.2 15.8 23.8

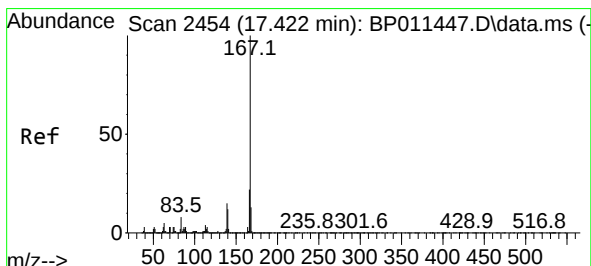
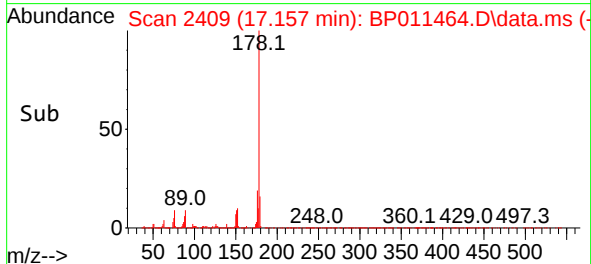
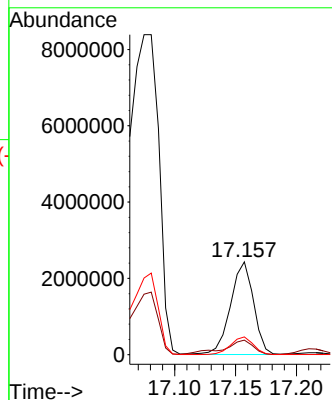
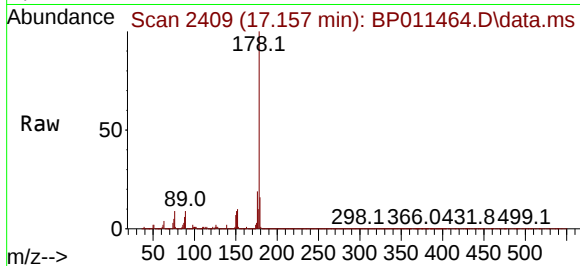




#74
 Anthracene
 Concen: 100.065 ng/u1
 RT: 17.157 min Scan# 2409
 Delta R.T. 0.018 min
 Lab File: BP011464.D
 Acq: 17 Aug 2022 15:56

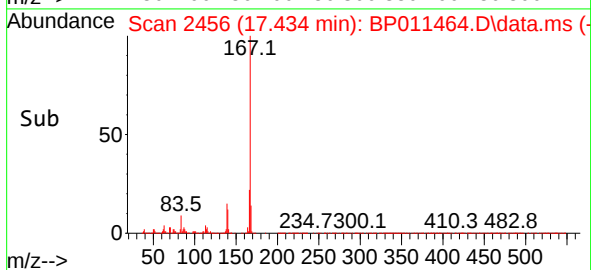
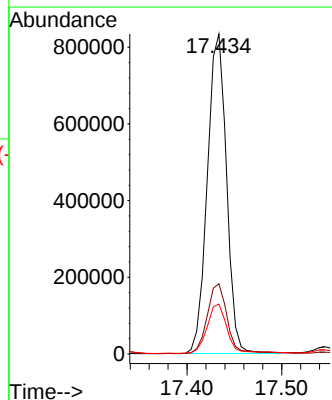
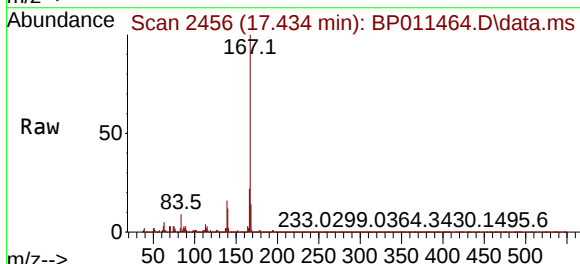
Instrument :
 BNA_P
 ClientSampleId :

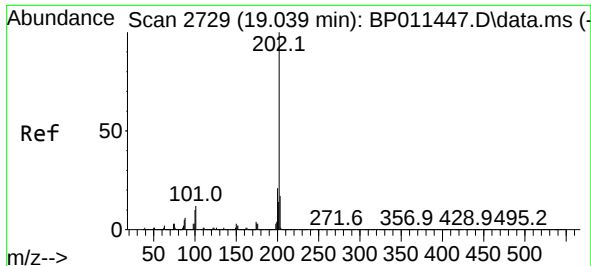
Tgt Ion:178 Resp: 3199197
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.2 18.2
 176 19.2 15.4 23.0



#77
 Carbazole
 Concen: 38.980 ng/u1
 RT: 17.434 min Scan# 2456
 Delta R.T. 0.012 min
 Lab File: BP011464.D
 Acq: 17 Aug 2022 15:56

Tgt Ion:167 Resp: 1172210
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.5 26.3
 139 15.6 12.1 18.1

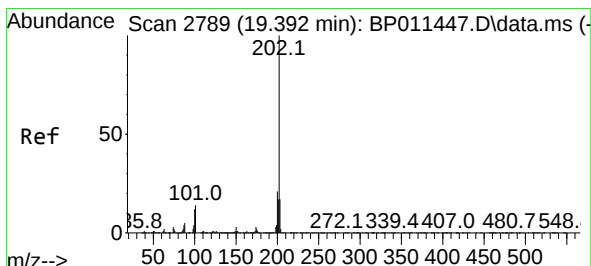
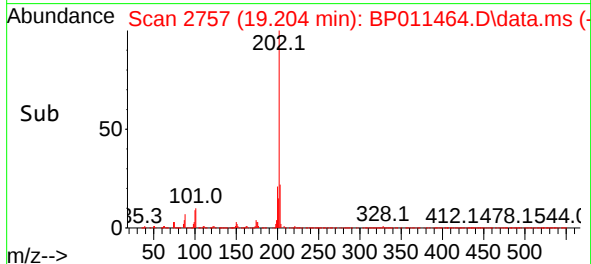
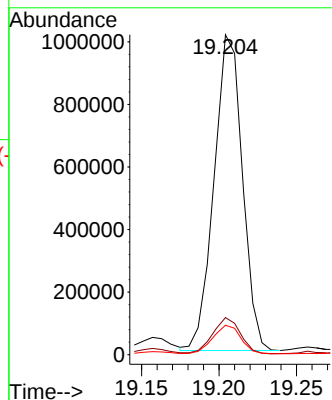
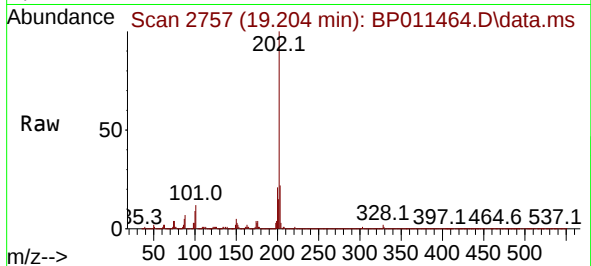




#80
Fluoranthene
Concen: 32.827 ng/ul
RT: 19.204 min Scan# 21
Delta R.T. 0.165 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

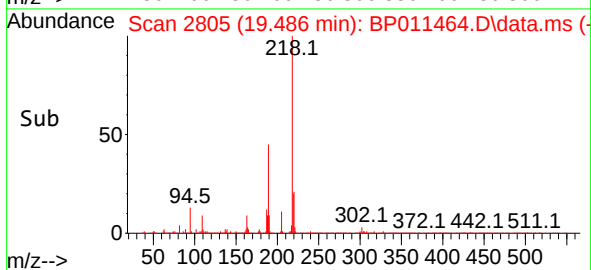
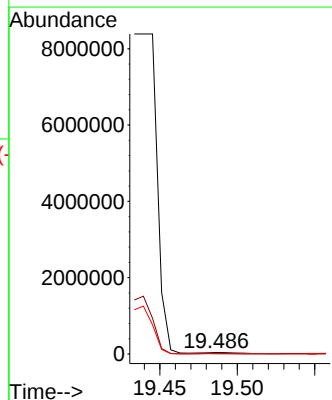
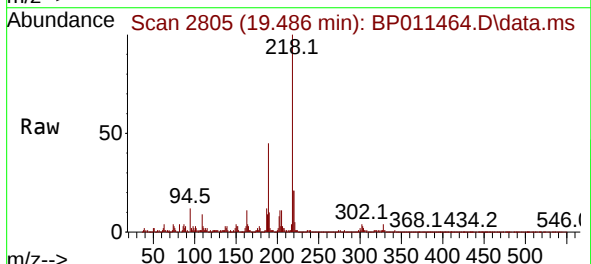
Instrument :
BNA_P
ClientSampleId :

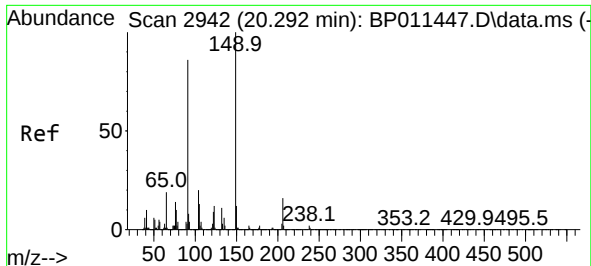
Tgt Ion:202 Resp: 1285543
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
100 9.2 7.9 11.9



#82
Pyrene
Concen: 1.098 ng/ul
RT: 19.486 min Scan# 2805
Delta R.T. 0.094 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

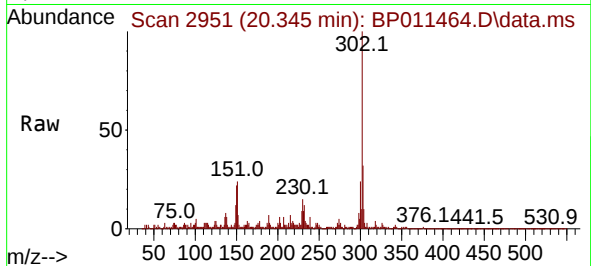
Tgt Ion:202 Resp: 45193
Ion Ratio Lower Upper
202 100
101 41.8 11.4 17.2#
100 18.7 9.4 14.0#



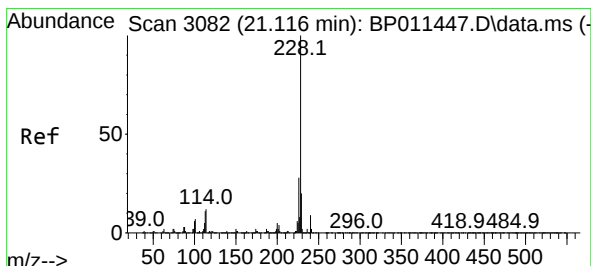
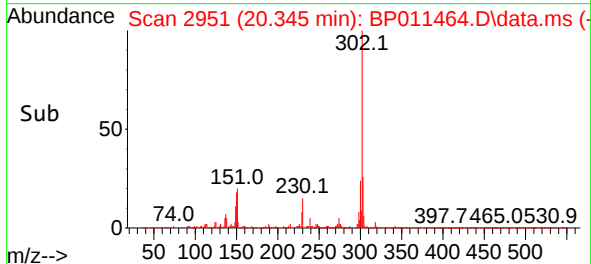
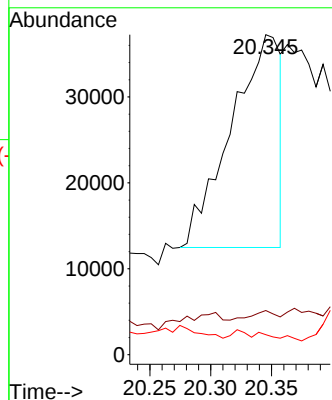


#83
Butylbenzylphthalate
Concen: 3.795 ng/ul
RT: 20.345 min Scan# 2942
Delta R.T. 0.053 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Instrument :
BNA_P
ClientSampleId :

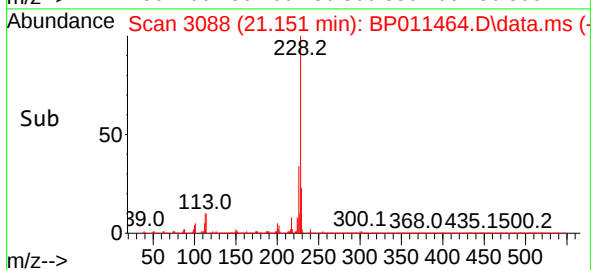
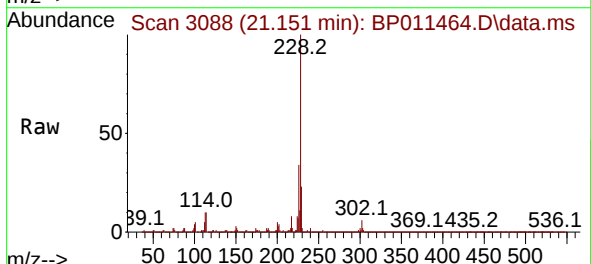
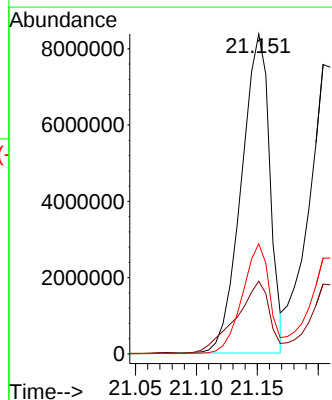


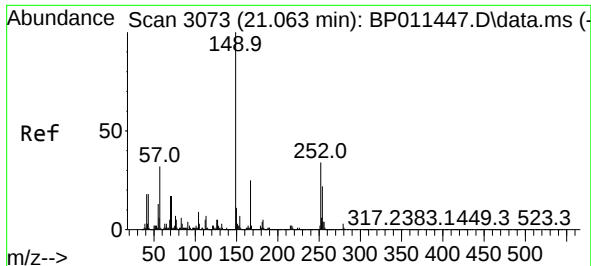
Tgt Ion:149 Resp: 70054
Ion Ratio Lower Upper
149 100
91 13.8 68.5 102.7#
206 6.3 12.6 18.8#



#85
Benzo(a)anthracene
Concen: 355.006 ng/ul
RT: 21.151 min Scan# 3088
Delta R.T. 0.035 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:228 Resp:13613305
Ion Ratio Lower Upper
228 100
229 22.8 16.0 24.0
226 34.4 22.6 33.8#

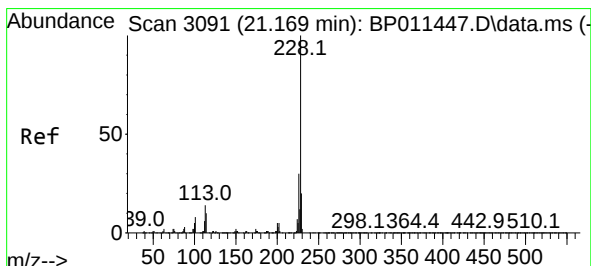
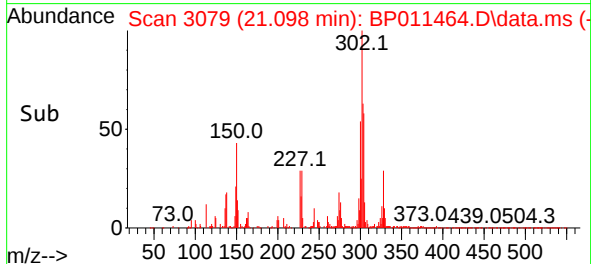
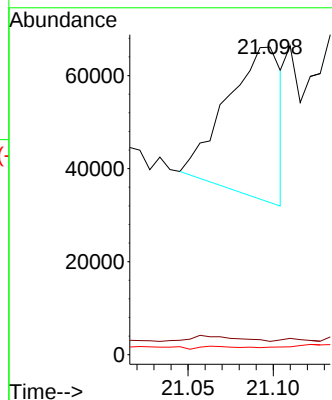
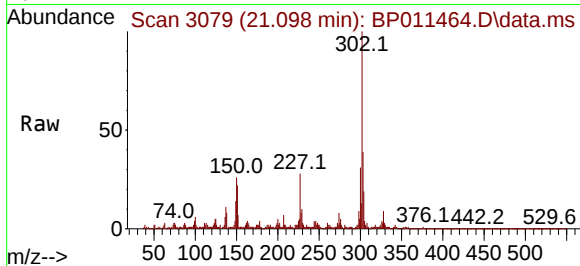




#86
Bis(2-ethylhexyl)phthalate
Concen: 2.569 ng/ul
RT: 21.098 min Scan# 3079
Delta R.T. 0.035 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

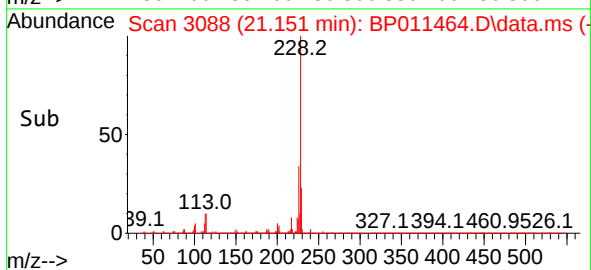
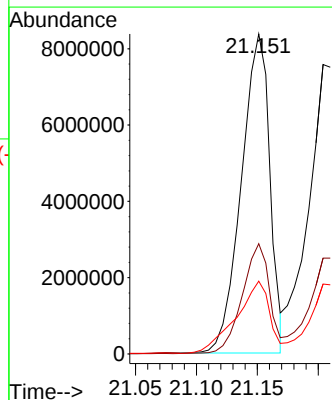
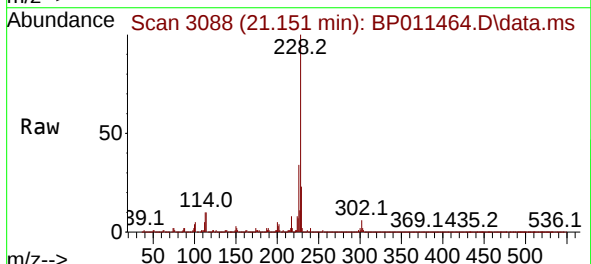
Instrument :
BNA_P
ClientSampleId :

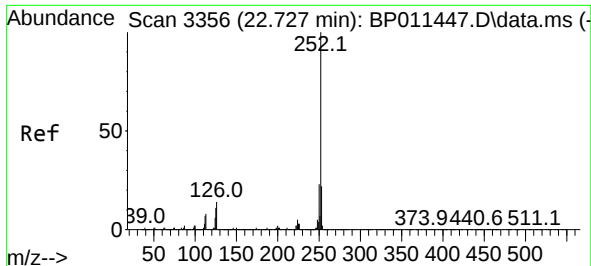
Tgt Ion:149 Resp: 70175
Ion Ratio Lower Upper
149 100
167 4.3 19.8 29.8#
279 2.5 2.7 4.1#



#87
Chrysene
Concen: 361.391 ng/ul
RT: 21.151 min Scan# 3088
Delta R.T. -0.018 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:228 Resp:13613305
Ion Ratio Lower Upper
228 100
226 34.4 23.9 35.9
229 22.8 16.0 24.0





#90

Benzo(b)fluoranthene

Concen: 580.125 ng/ul

RT: 22.804 min Scan# 3369

Delta R.T. 0.076 min

Lab File: BP011464.D

Acq: 17 Aug 2022 15:56

Instrument :

BNA_P

ClientSampleId :

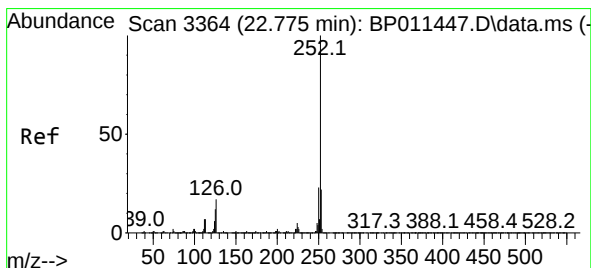
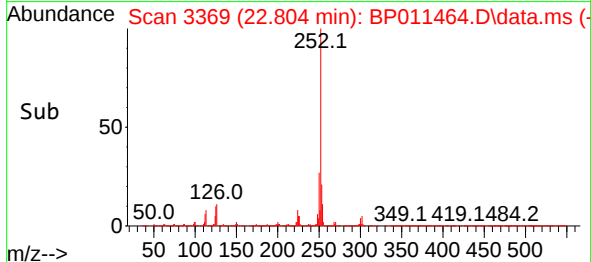
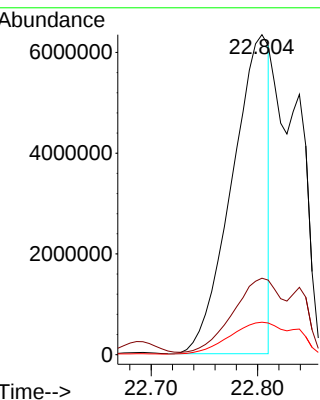
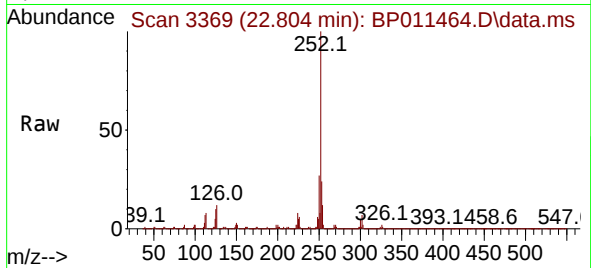
Tgt Ion:252 Resp:15387855

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 10.2 9.0 13.4



#91

Benzo(k)fluoranthene

Concen: 807.566 ng/ul

RT: 22.804 min Scan# 3369

Delta R.T. 0.029 min

Lab File: BP011464.D

Acq: 17 Aug 2022 15:56

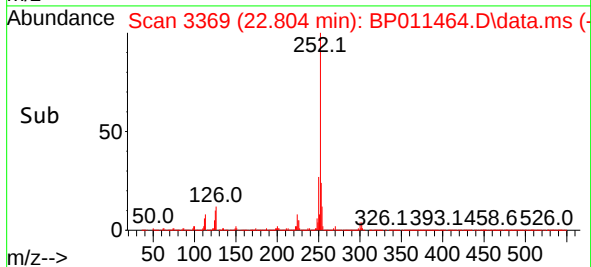
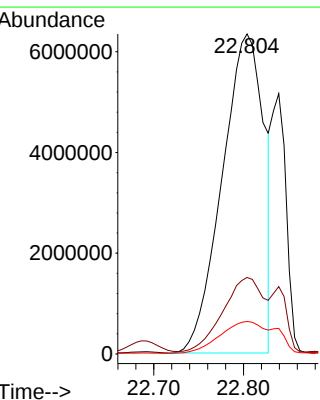
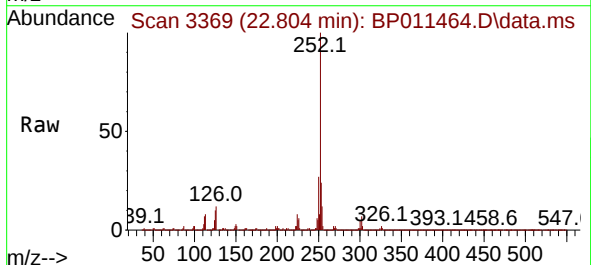
Tgt Ion:252 Resp:20441658

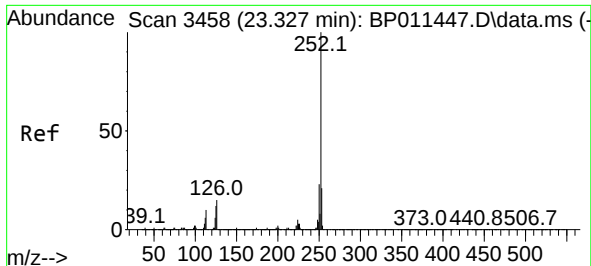
Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 10.2 9.8 14.8

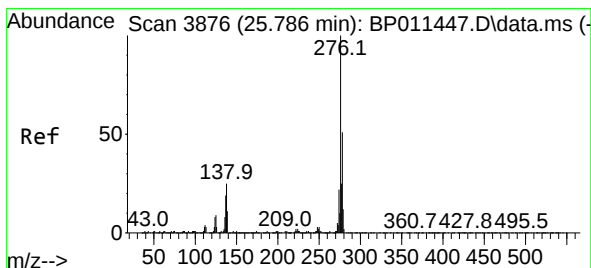
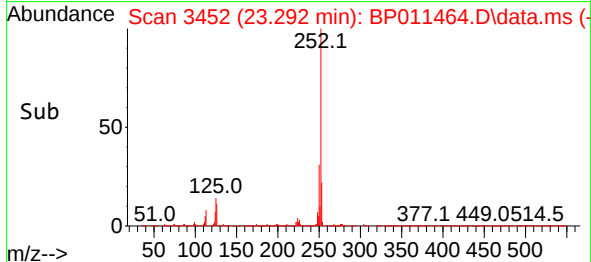
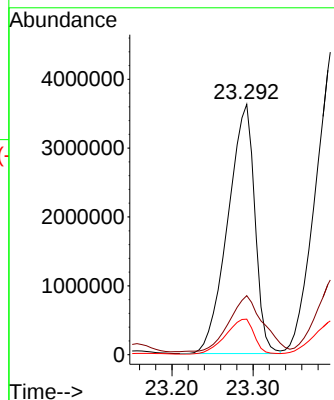
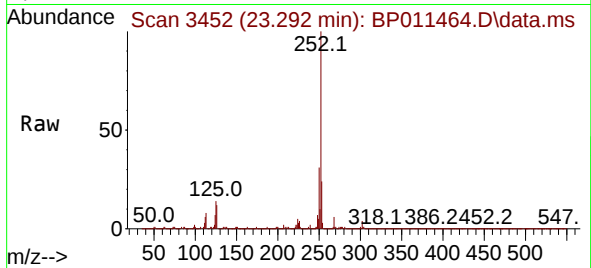




#93
Benzo(a)pyrene
Concen: 321.749 ng/ul
RT: 23.292 min Scan# 3458
Delta R.T. -0.035 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

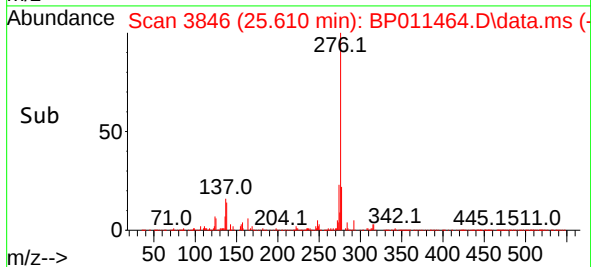
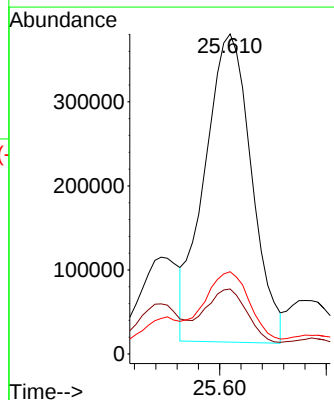
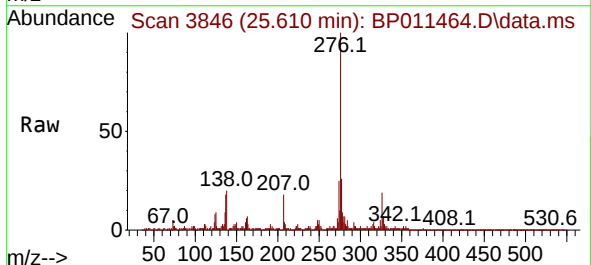
Instrument :
BNA_P
ClientSampleId :

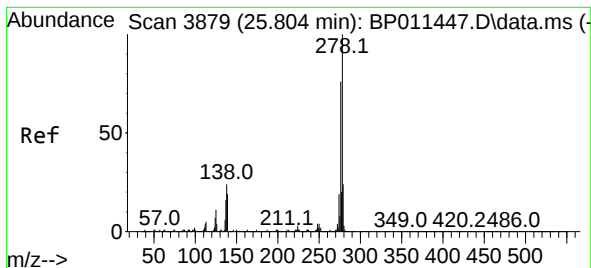
Tgt Ion:252 Resp: 8332217
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 14.2 9.9 14.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 38.881 ng/ul
RT: 25.610 min Scan# 3846
Delta R.T. -0.176 min
Lab File: BP011464.D
Acq: 17 Aug 2022 15:56

Tgt Ion:276 Resp: 1123083
Ion Ratio Lower Upper
276 100
138 20.3 20.2 30.4
277 25.7 20.1 30.1





#95

Dibenzo(a,h)anthracene

Concen: 41.267 ng/ul

RT: 25.545 min Scan# 3879

Delta R.T. -0.259 min

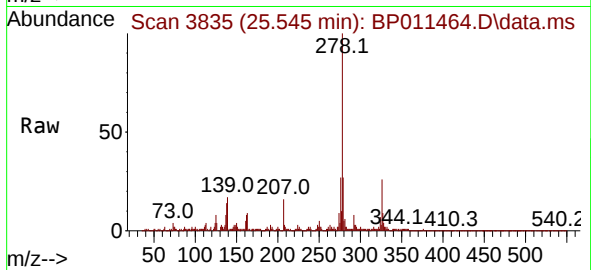
Lab File: BP011464.D

Acq: 17 Aug 2022 15:56

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:278 Resp: 1026370

Ion Ratio Lower Upper

278 100

139 17.2 15.4 23.0

279 27.4 19.3 28.9

