

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080122\
 Data File : BP011204.D
 Acq On : 01 Aug 2022 17:37
 Operator : CG/JU
 Sample : N3790-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 01 23:01:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP072822.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 28 16:05:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	311589	20.000	ng/ul	0.00
20) Naphthalene-d8	10.440	136	1313901	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.316	164	573497	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.087	188	943234	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.222	240	860953	20.000	ng/ul	# 0.01
88) Perylene-d12	23.569	264	1019085	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	16808	2.470	ng/uL	0.00
4) Pyridine-d5	3.570	84	86869	4.513	ng/ul	0.01
7) Phenol-d5	6.828	99	583922	21.470	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.993	67	423267	22.010	ng/ul	0.00
11) 2-Chlorophenol-d4	7.181	132	489998	22.862	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113	337478	15.169	ng/ul	0.00
21) Nitrobenzene-d5	8.810	128	239203	23.426	ng/ul	0.00
24) 2-Nitrophenol-d4	9.528	143	239819	24.519	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	378310	21.947	ng/ul	0.00
31) 4-Chloroaniline-d4	10.593	131	63196	2.262	ng/ul	0.00
46) Dimethylphthalate-d6	13.734	166	980271	25.088	ng/ul	0.00
49) Acenaphthylene-d8	14.004	160	1249954	25.457	ng/ul	0.00
54) 4-Nitrophenol-d4	14.540	143	94150	13.396	ng/ul	0.00
60) Fluorene-d10	15.316	176	753469	22.949	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	66217	13.926	ng/ul	0.00
73) Anthracene-d10	17.186	188	995896	23.962	ng/ul	0.00
81) Pyrene-d10	19.445	212	1111032	24.016	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.421	264	1210250	23.910	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.487	128	760630	11.004	ng/ul	99
36) 2-Methylnaphthalene	12.116	142	170116	3.889	ng/ul	97
37) 1-Methylnaphthalene	12.334	142	147598	3.368	ng/ul#	97
43) 1,1'-Biphenyl	13.140	154	74300	1.621	ng/ul#	98
50) Acenaphthylene	14.034	152	509016	9.280	ng/ul	98
52) Acenaphthene	14.381	153	432166	12.062	ng/ul	98
56) Dibenzofuran	14.716	168	400069	8.215	ng/ul	98
61) Fluorene	15.375	166	493148	13.022	ng/ul	99
63) 4-Nitroaniline	15.369	138	6559	1.039	ng/ul#	16
72) Phenanthrene	17.134	178	7130952	138.140	ng/ul	98
74) Anthracene	17.222	178	1762751	34.516	ng/ul	99
77) Carbazole	17.504	167	1301491	28.765	ng/ul	98
80) Fluoranthene	19.128	202	11959440	209.276	ng/ul#	83
82) Pyrene	19.486	202	10664390	181.601	ng/ul#	82
85) Benzo(a)anthracene	21.204	228	6043548	112.921	ng/ul	94
87) Chrysene	21.257	228	6073282	114.146	ng/ul	95
90) Benzo(b)fluoranthene	22.869	252	8948446	139.288	ng/ul#	93
91) Benzo(k)fluoranthene	22.869	252	8948446	146.762	ng/ul#	91
93) Benzo(a)pyrene	23.474	252	5941776	94.818	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	26.015	276	4430010	57.381	ng/ul#	89
95) Dibenzo(a,h)anthracene	26.027	278	1152316	17.402	ng/ul#	83
96) Benzo(g,h,i)perylene	26.768	276	3604639	53.985	ng/ul#	85

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Response via : Initial Calibration

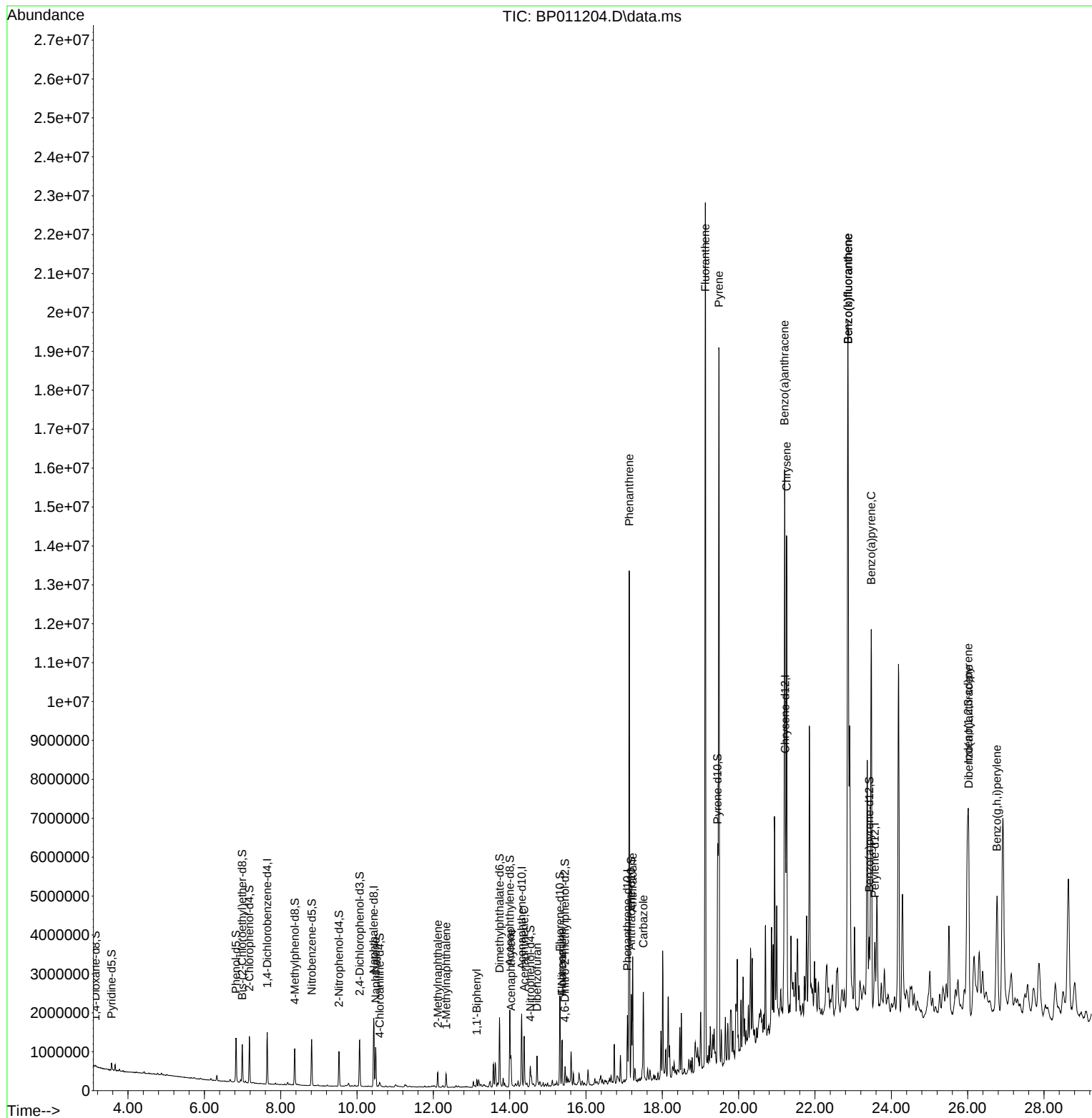
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

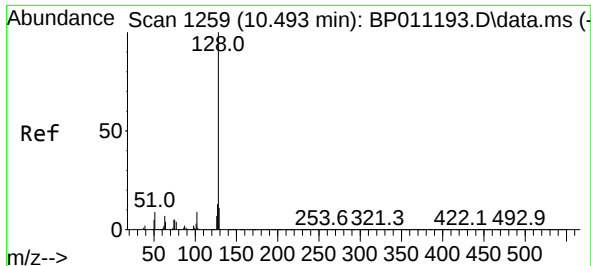
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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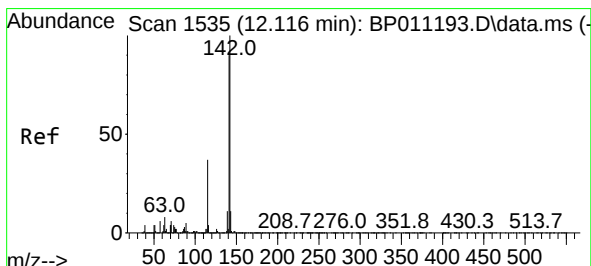
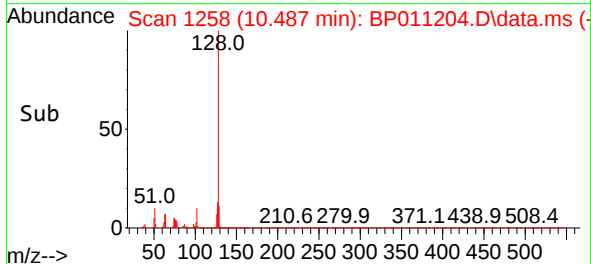
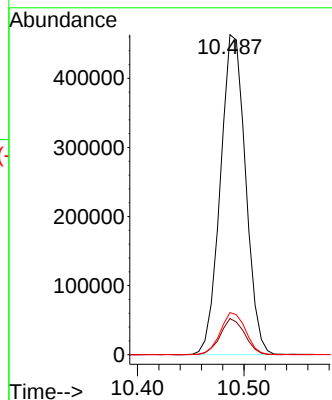
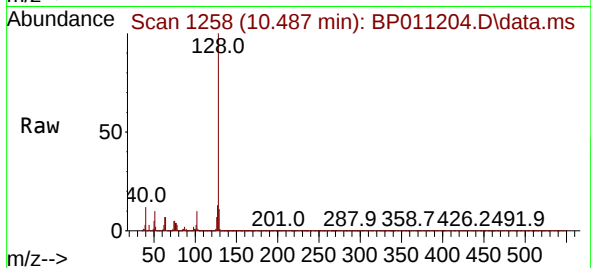




#30
Naphthalene
Concen: 11.004 ng/ul
RT: 10.487 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

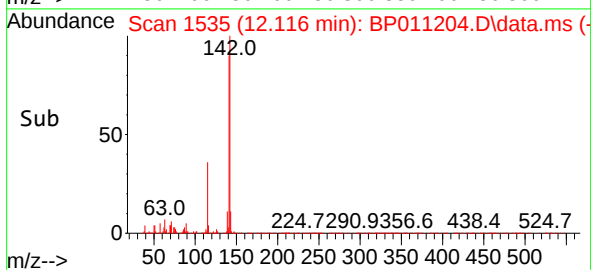
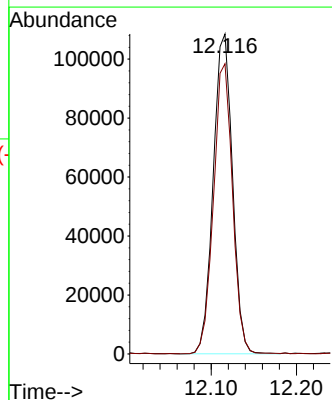
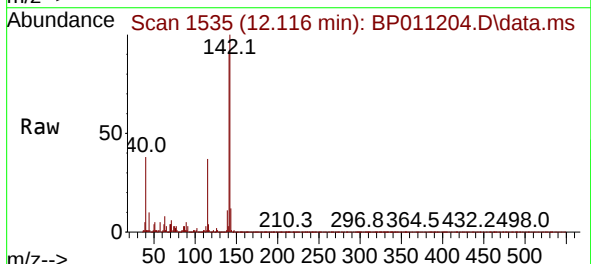
Instrument :
BNA_P
ClientSampleId :

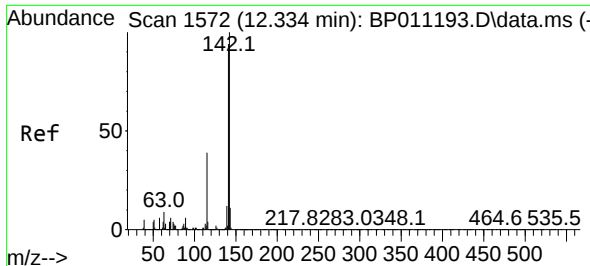
Tgt Ion:128 Resp: 760630
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.2 10.2 15.4



#36
2-Methylnaphthalene
Concen: 3.889 ng/ul
RT: 12.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

Tgt Ion:142 Resp: 170116
Ion Ratio Lower Upper
142 100
141 90.7 70.1 105.1

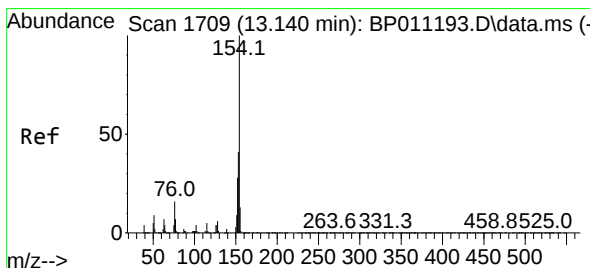
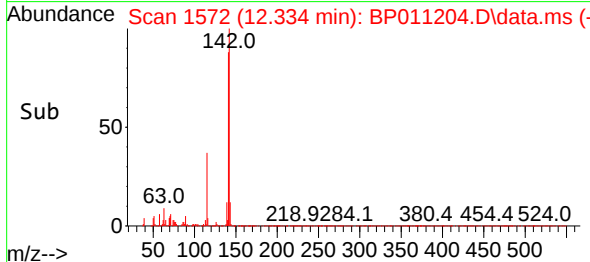
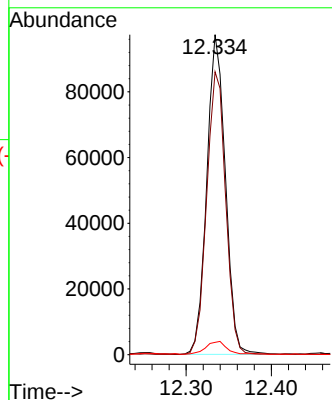
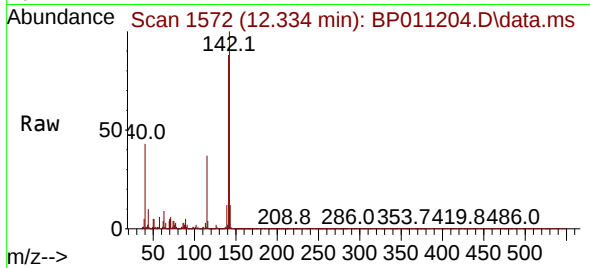




#37
1-Methylnaphthalene
Concen: 3.368 ng/ul
RT: 12.334 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

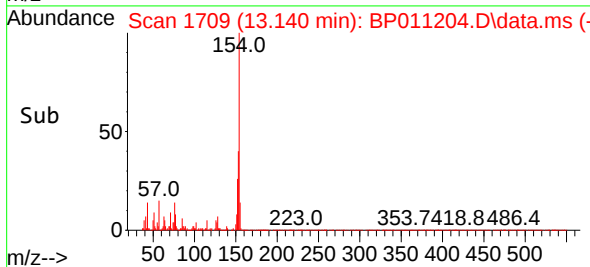
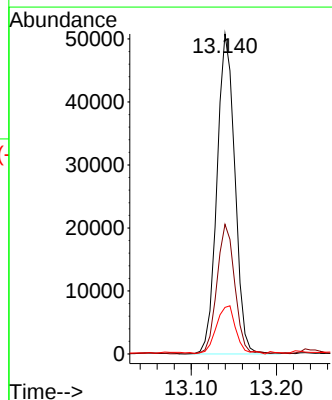
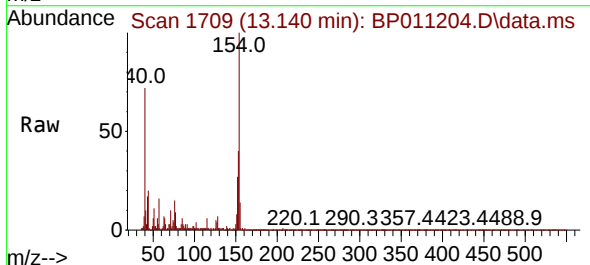
Instrument :
BNA_P
ClientSampleId :

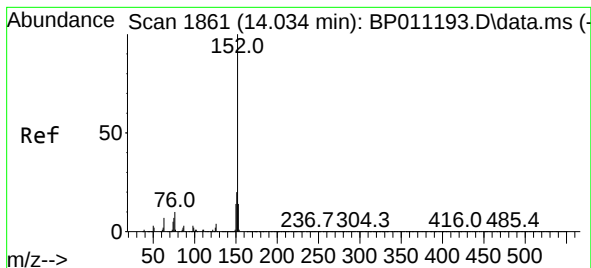
Tgt Ion:142 Resp: 147598
Ion Ratio Lower Upper
142 100
141 88.4 73.3 109.9
116 3.8 4.0 6.0#



#43
1,1'-Biphenyl
Concen: 1.621 ng/ul
RT: 13.140 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

Tgt Ion:154 Resp: 74300
Ion Ratio Lower Upper
154 100
153 40.5 31.9 47.9
76 14.5 9.2 13.8#





#50

Acenaphthylene

Concen: 9.280 ng/ul

RT: 14.034 min Scan# 1861

Delta R.T. 0.000 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

Instrument :

BNA_P

ClientSampleId :

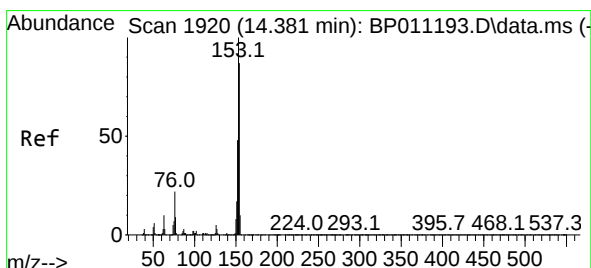
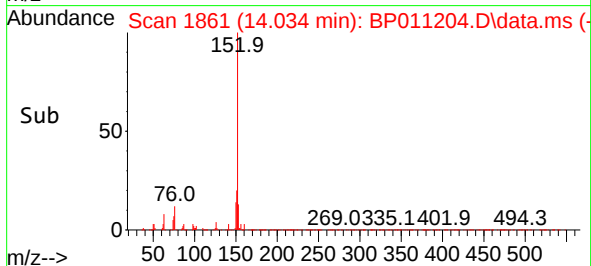
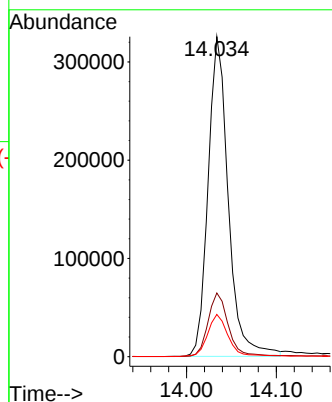
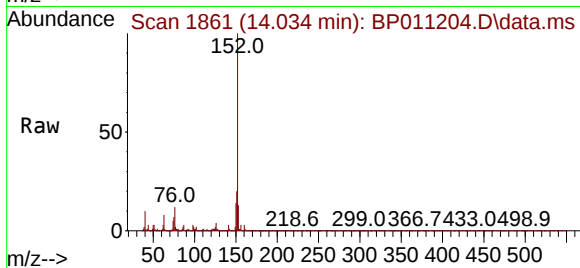
Tgt Ion:152 Resp: 509016

Ion Ratio Lower Upper

152 100

151 19.9 16.5 24.7

153 13.2 10.1 15.1



#52

Acenaphthene

Concen: 12.062 ng/ul

RT: 14.381 min Scan# 1920

Delta R.T. 0.000 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

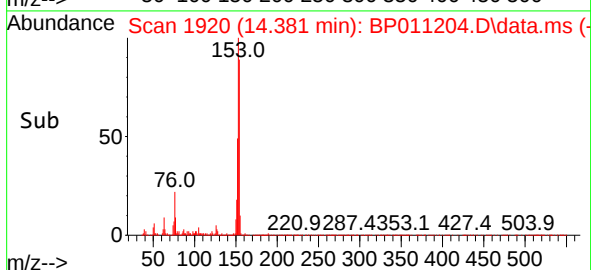
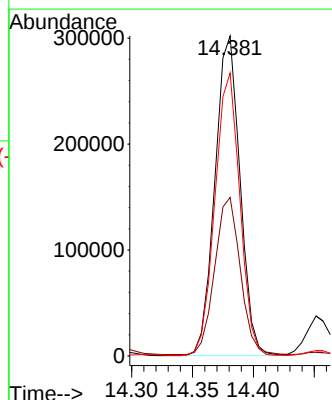
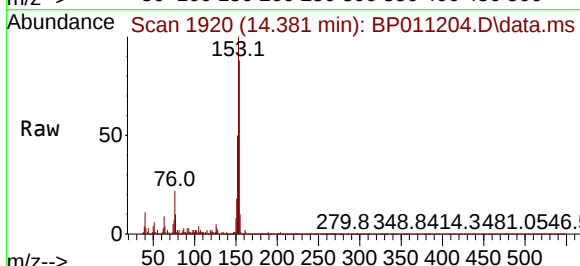
Tgt Ion:153 Resp: 432166

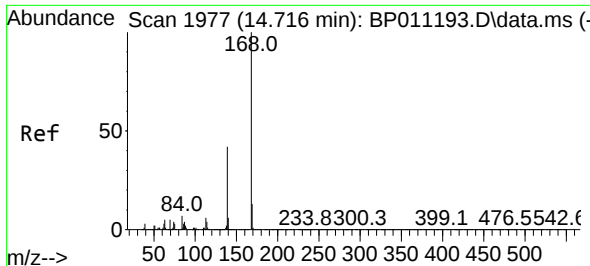
Ion Ratio Lower Upper

153 100

152 49.6 36.2 54.2

154 88.4 70.8 106.2

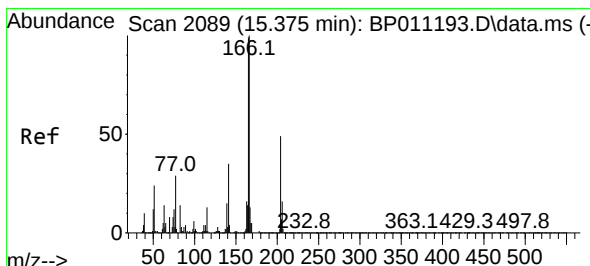
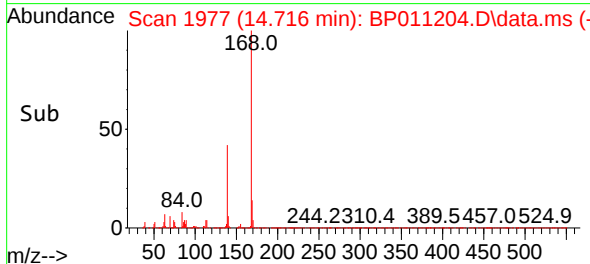
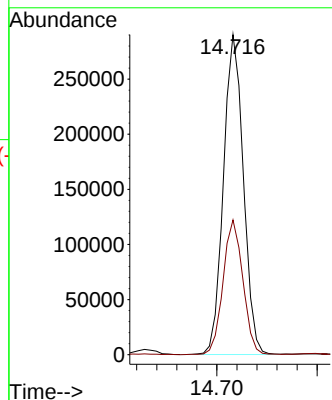
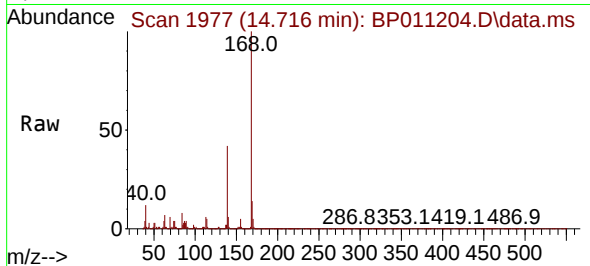




#56
Dibenzenofuran
Concen: 8.215 ng/ul
RT: 14.716 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

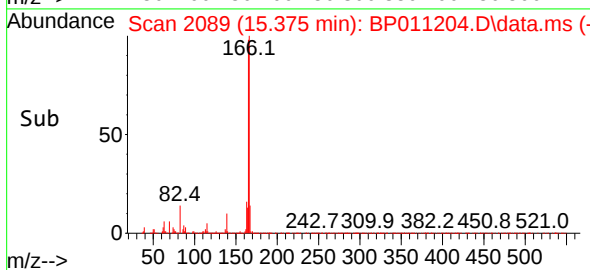
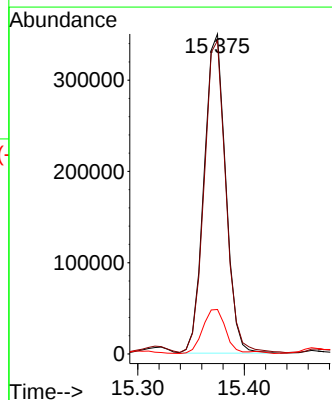
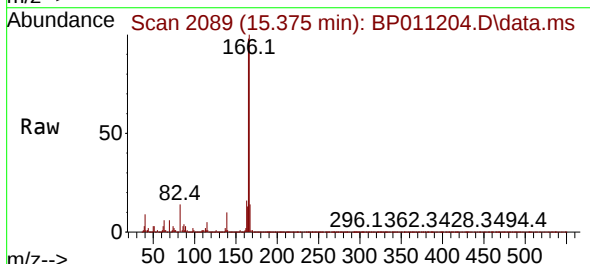
Instrument :
BNA_P
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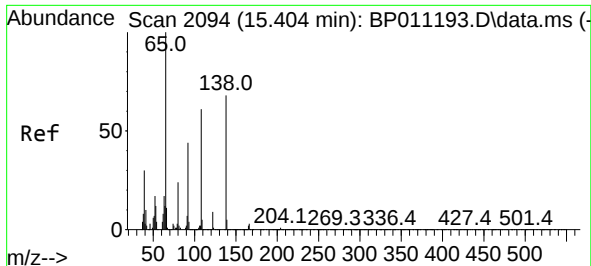
Tgt Ion:168 Resp: 400069
Ion Ratio Lower Upper
168 100
139 42.1 32.8 49.2



#61
Fluorene
Concen: 13.022 ng/ul
RT: 15.375 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

Tgt Ion:166 Resp: 493148
Ion Ratio Lower Upper
166 100
165 97.9 77.4 116.2
167 13.9 10.8 16.2

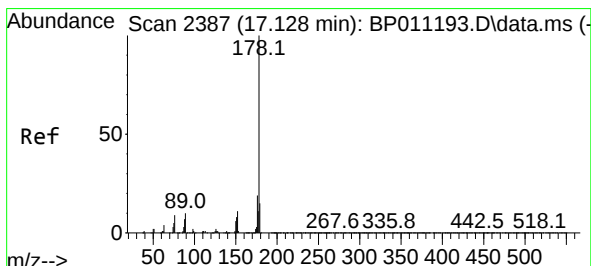
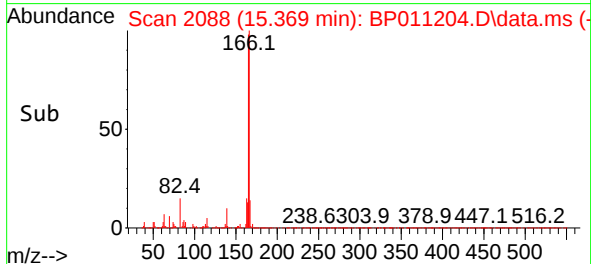
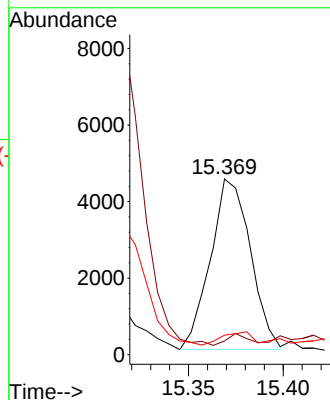
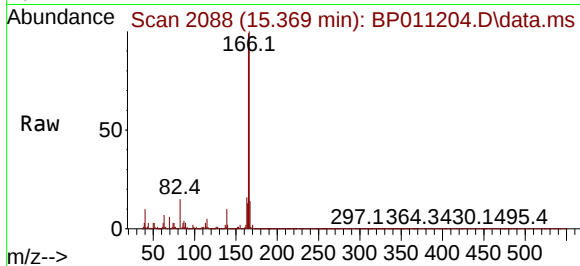




#63
4-Nitroaniline
Concen: 1.039 ng/ul
RT: 15.369 min Scan# 2094
Delta R.T. -0.035 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

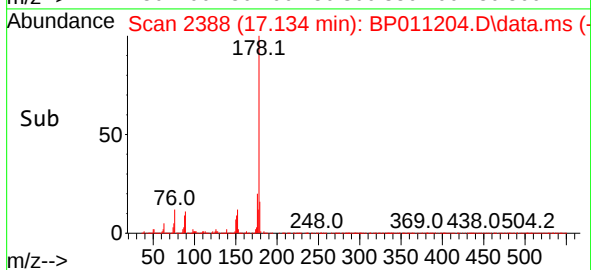
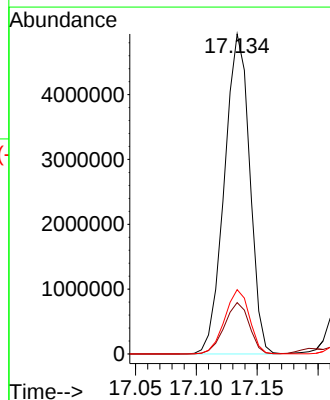
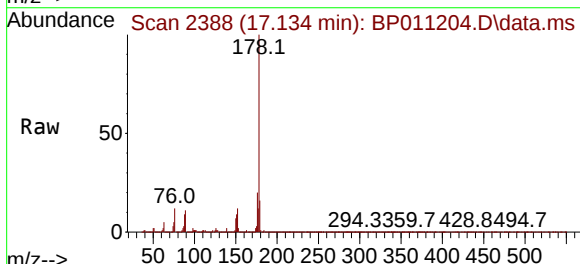
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ClientSampleId :

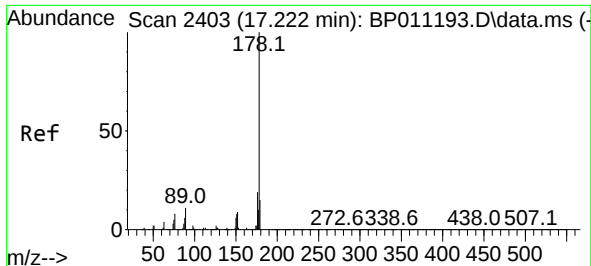
Tgt Ion:138 Resp: 6559
Ion Ratio Lower Upper
138 100
92 7.8 46.2 69.2#
108 11.1 85.8 128.8#



#72
Phenanthrene
Concen: 138.140 ng/ul
RT: 17.134 min Scan# 2388
Delta R.T. 0.006 min
Lab File: BP011204.D
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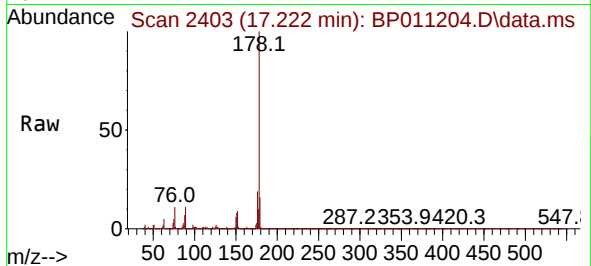
Tgt Ion:178 Resp: 7130952
Ion Ratio Lower Upper
178 100
179 16.1 12.7 19.1
176 20.1 14.6 22.0



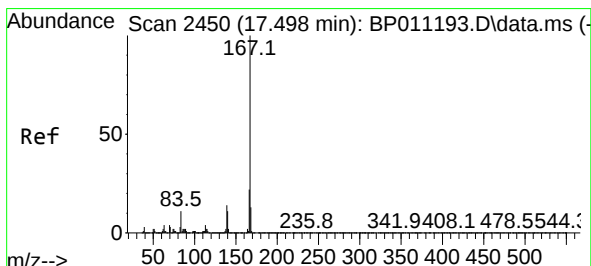
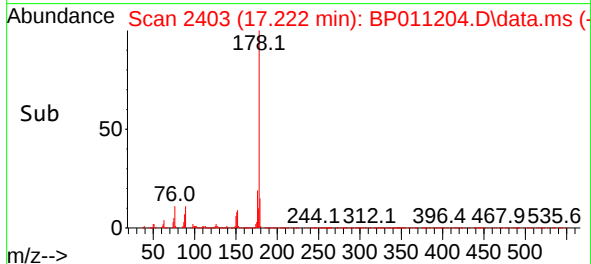
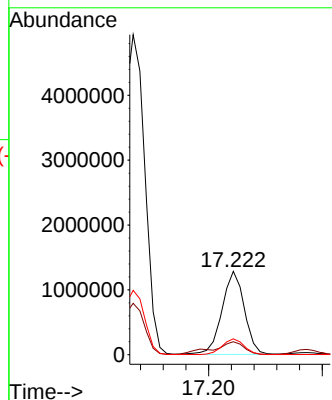


#74
 Anthracene
 Concen: 34.516 ng/ul
 RT: 17.222 min Scan# 2403
 Delta R.T. 0.000 min
 Lab File: BP011204.D
 Acq: 01 Aug 2022 17:37

Instrument :
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 ClientSampleId :

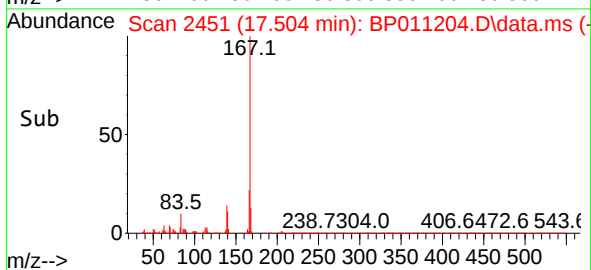
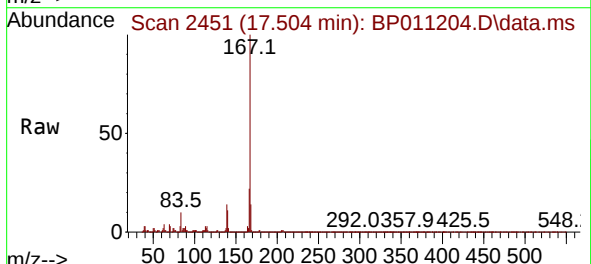
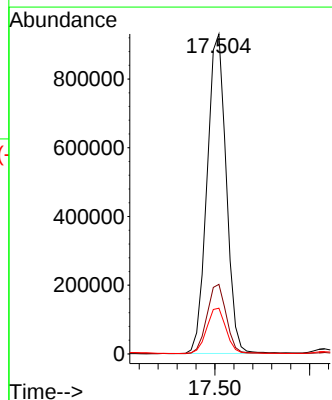


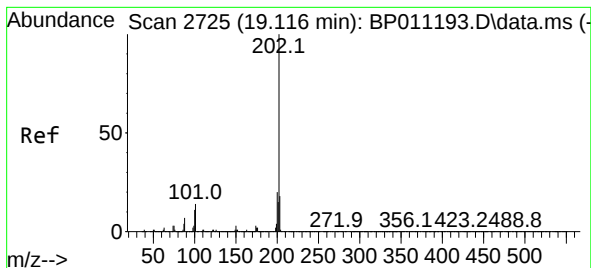
Tgt Ion:178 Resp: 1762751
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 19.0 14.5 21.7



#77
 Carbazole
 Concen: 28.765 ng/ul
 RT: 17.504 min Scan# 2451
 Delta R.T. 0.006 min
 Lab File: BP011204.D
 Acq: 01 Aug 2022 17:37

Tgt Ion:167 Resp: 1301491
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.9 25.3
 139 14.3 10.6 16.0





#80

Fluoranthene

Concen: 209.276 ng/ul

RT: 19.128 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

Instrument :

BNA_P

ClientSampleId :

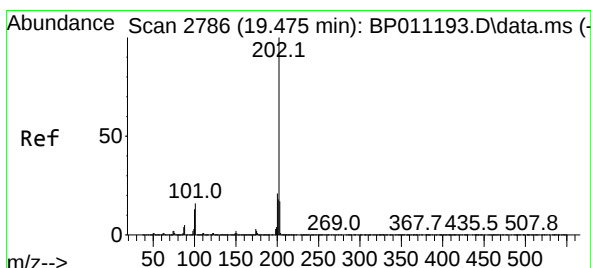
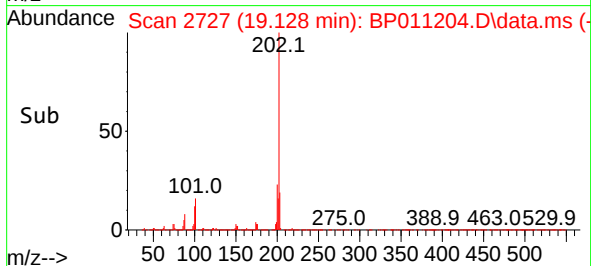
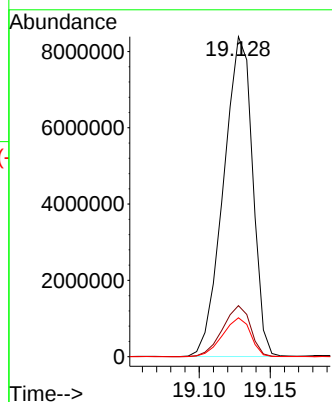
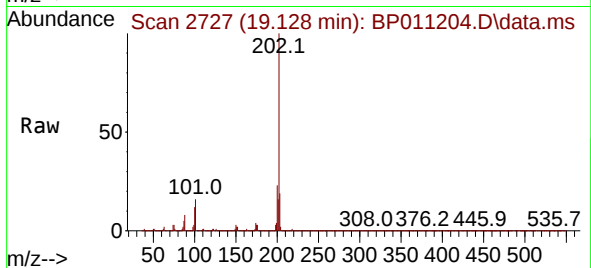
Tgt Ion:202 Resp:11959440

Ion Ratio Lower Upper

202 100

101 15.9 7.1 10.7#

100 12.1 5.7 8.5#



#82

Pyrene

Concen: 181.601 ng/ul

RT: 19.486 min Scan# 2788

Delta R.T. 0.012 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

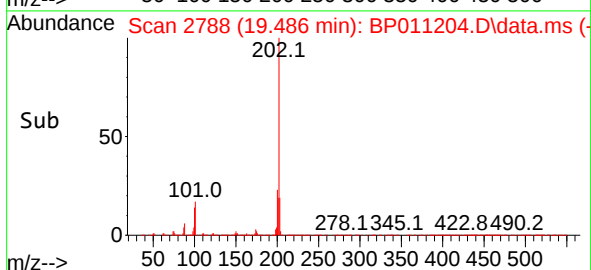
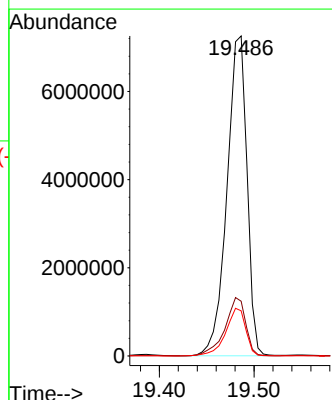
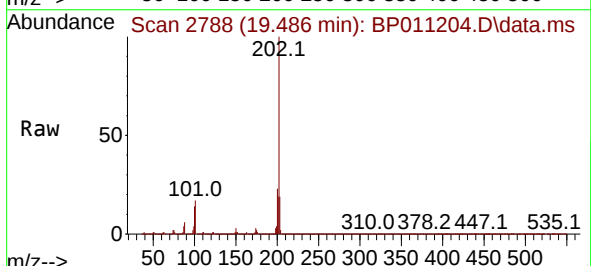
Tgt Ion:202 Resp:10664390

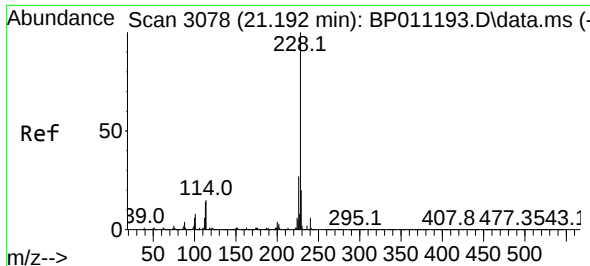
Ion Ratio Lower Upper

202 100

101 17.1 7.9 11.9#

100 14.1 6.7 10.1#

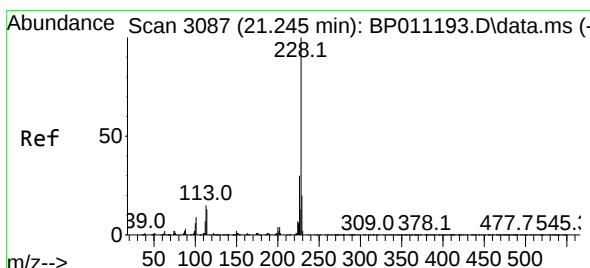
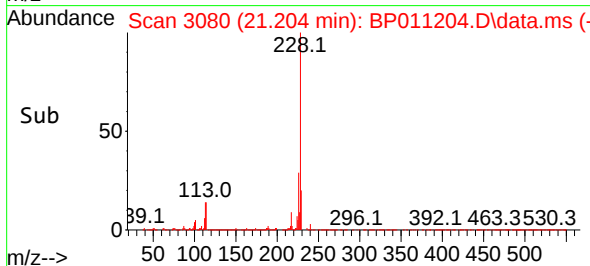
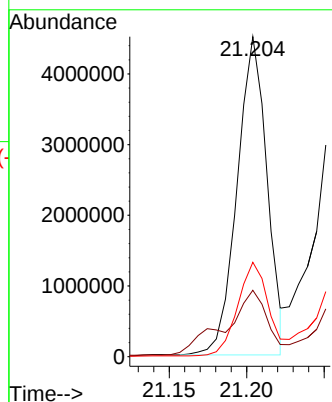
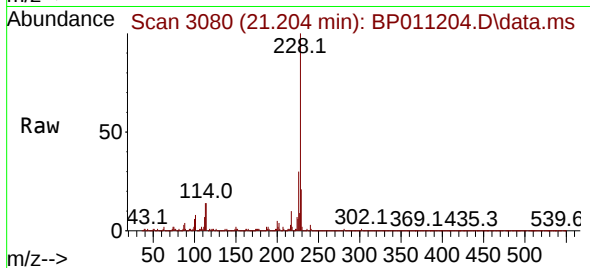




#85
Benzo(a)anthracene
Concen: 112.921 ng/ul
RT: 21.204 min Scan# 3080
Delta R.T. 0.006 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

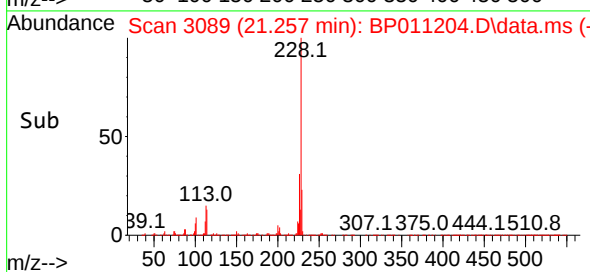
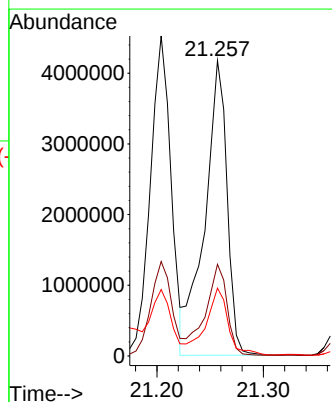
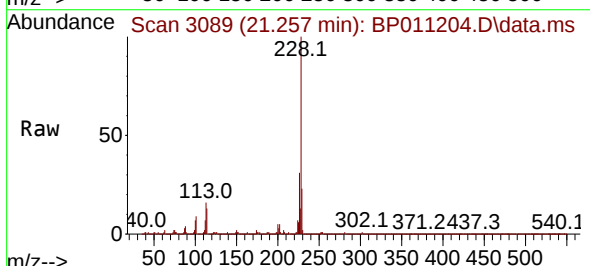
Instrument :
BNA_P
ClientSampleId :

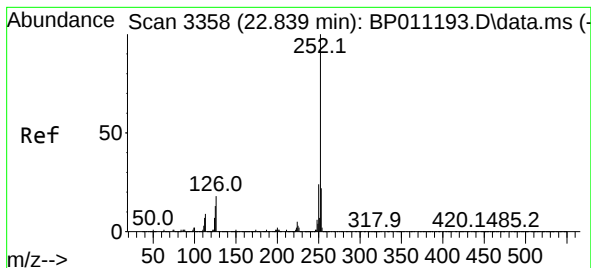
Tgt Ion:228 Resp: 6043548
Ion Ratio Lower Upper
228 100
229 20.8 15.0 22.4
226 29.5 20.6 31.0



#87
Chrysene
Concen: 114.146 ng/ul
RT: 21.257 min Scan# 3089
Delta R.T. 0.012 min
Lab File: BP011204.D
Acq: 01 Aug 2022 17:37

Tgt Ion:228 Resp: 6073282
Ion Ratio Lower Upper
228 100
226 31.1 23.6 35.4
229 22.9 15.6 23.4





#90

Benzo(b)fluoranthene

Concen: 139.288 ng/ul

RT: 22.869 min Scan# 3363

Delta R.T. 0.030 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

Instrument :

BNA_P

ClientSampleId :

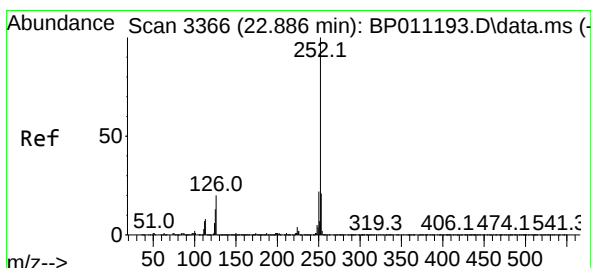
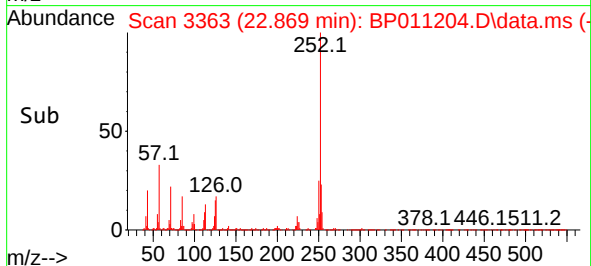
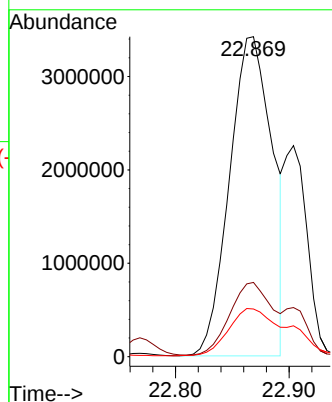
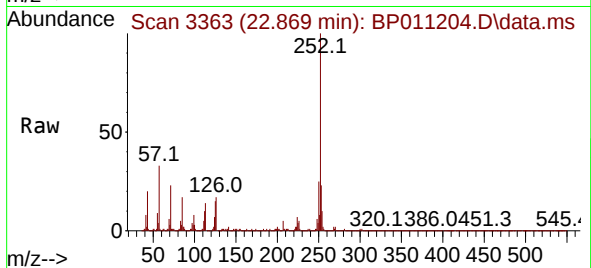
Tgt Ion:252 Resp: 8948446

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 14.9 6.2 9.2#



#91

Benzo(k)fluoranthene

Concen: 146.762 ng/ul

RT: 22.869 min Scan# 3363

Delta R.T. -0.023 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

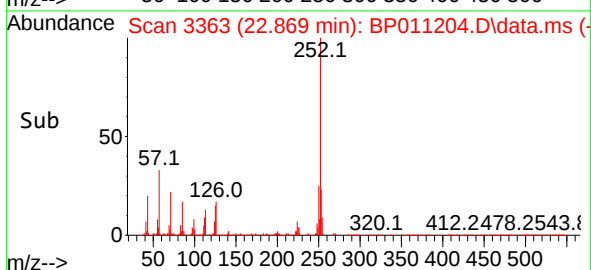
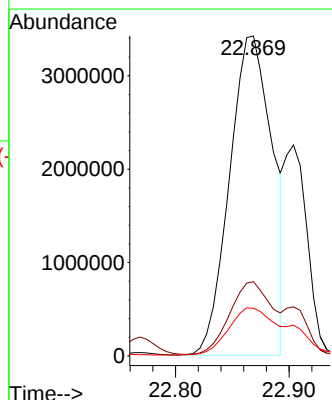
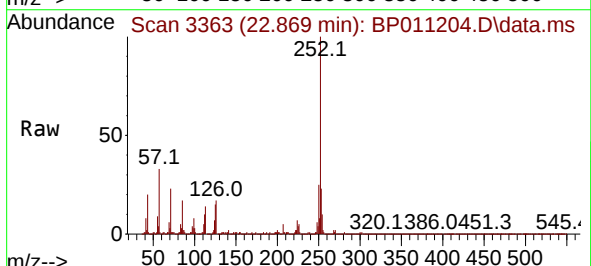
Tgt Ion:252 Resp: 8948446

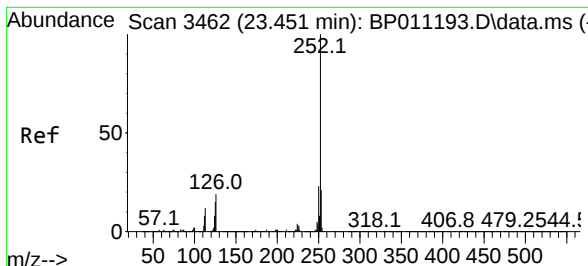
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 14.9 6.2 9.4#





#93

Benzo(a)pyrene

Concen: 94.818 ng/ul

RT: 23.474 min Scan# 3466

Delta R.T. 0.024 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

Instrument :

BNA_P

ClientSampleId :

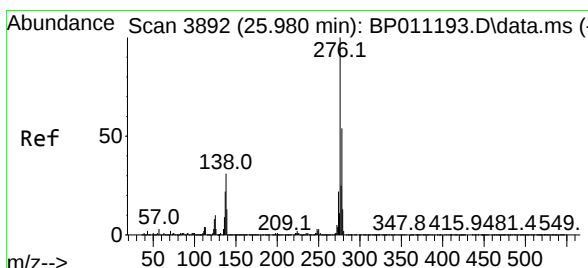
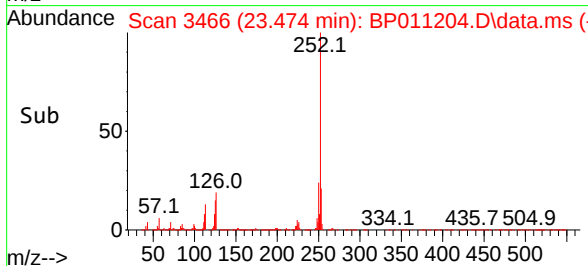
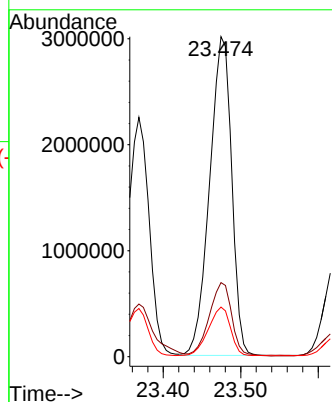
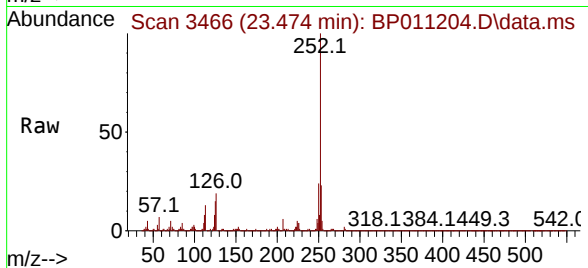
Tgt Ion:252 Resp: 5941776

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 15.5 6.6 10.0#



#94

Indeno(1,2,3-cd)pyrene

Concen: 57.381 ng/ul

RT: 26.015 min Scan# 3898

Delta R.T. 0.035 min

Lab File: BP011204.D

Acq: 01 Aug 2022 17:37

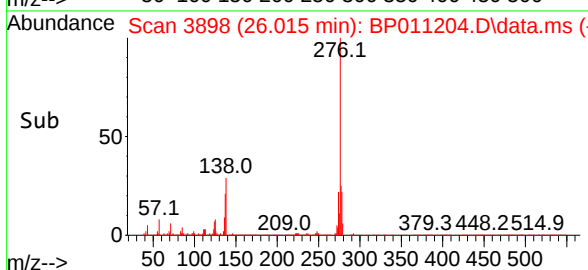
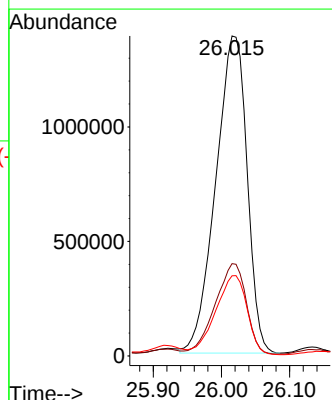
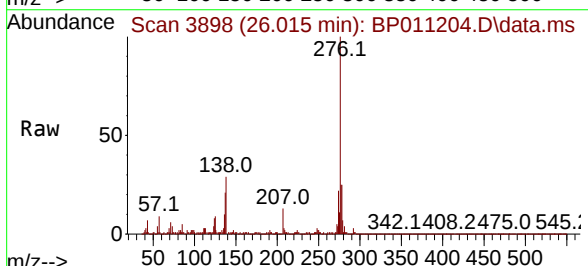
Tgt Ion:276 Resp: 4430010

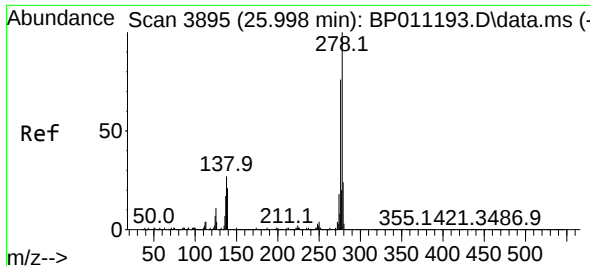
Ion Ratio Lower Upper

276 100

138 28.8 14.6 22.0#

277 25.1 19.6 29.4

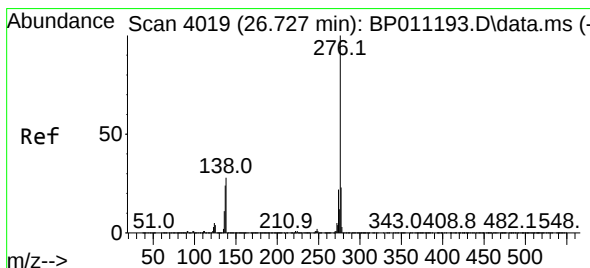
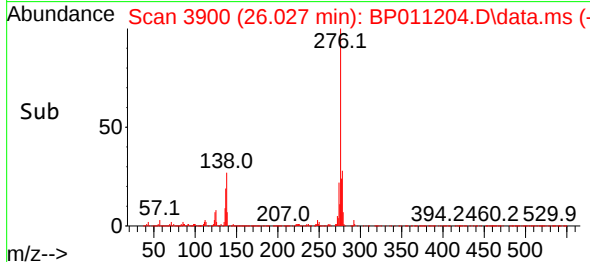
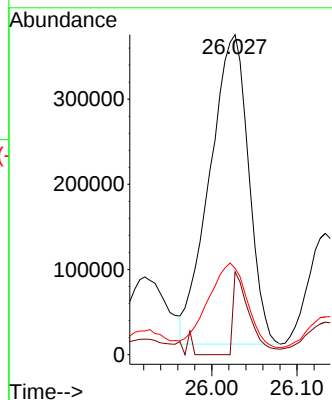
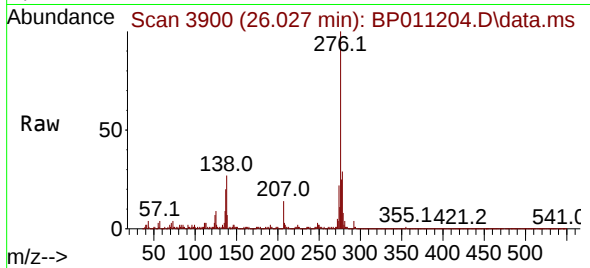




#95
 Dibenzo(a,h)anthracene
 Concen: 17.402 ng/ul
 RT: 26.027 min Scan# 3900
 Delta R.T. 0.024 min
 Lab File: BP011204.D
 Acq: 01 Aug 2022 17:37

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:278 Resp: 1152316
 Ion Ratio Lower Upper
 278 100
 139 25.9 9.4 14.2#
 279 27.0 18.9 28.3



#96
 Benzo(g,h,i)perylene
 Concen: 53.985 ng/ul
 RT: 26.768 min Scan# 4026
 Delta R.T. 0.047 min
 Lab File: BP011204.D
 Acq: 01 Aug 2022 17:37

Tgt Ion:276 Resp: 3604639
 Ion Ratio Lower Upper
 276 100
 138 29.6 12.7 19.1#
 277 24.5 18.2 27.4

