

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046008.D
 Acq On : 12 Jun 2024 22:36
 Operator : MA/JU
 Sample : P2659-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC32

Quant Time: Jun 13 01:19:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	135129	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	579857	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	358014	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	748518	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	570996	20.000	ng/u1	0.00
88) Perylene-d12	23.739	264	553630	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	15074	4.325	ng/uL	0.00
4) Pyridine-d5	3.463	84	55860	6.225	ng/u1	0.01
7) Phenol-d5	6.687	99	369098	32.153	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.799	67	267094	32.402	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	299854	34.969	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	257271	29.664	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	156083	34.427	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	165750	36.123	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	292505	33.995	ng/u1	0.00
31) 4-Chloroaniline-d4	10.387	131	201752	16.942	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	871524	35.163	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	1015836	35.295	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	120641	22.554	ng/u1	0.00
60) Fluorene-d10	15.080	176	745317	35.249	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.222	200	81256	21.258	ng/u1	0.00
73) Anthracene-d10	16.921	188	1146298	35.227	ng/u1	0.00
81) Pyrene-d10	19.221	212	1151572	32.430	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	648824	25.075	ng/u1	0.00

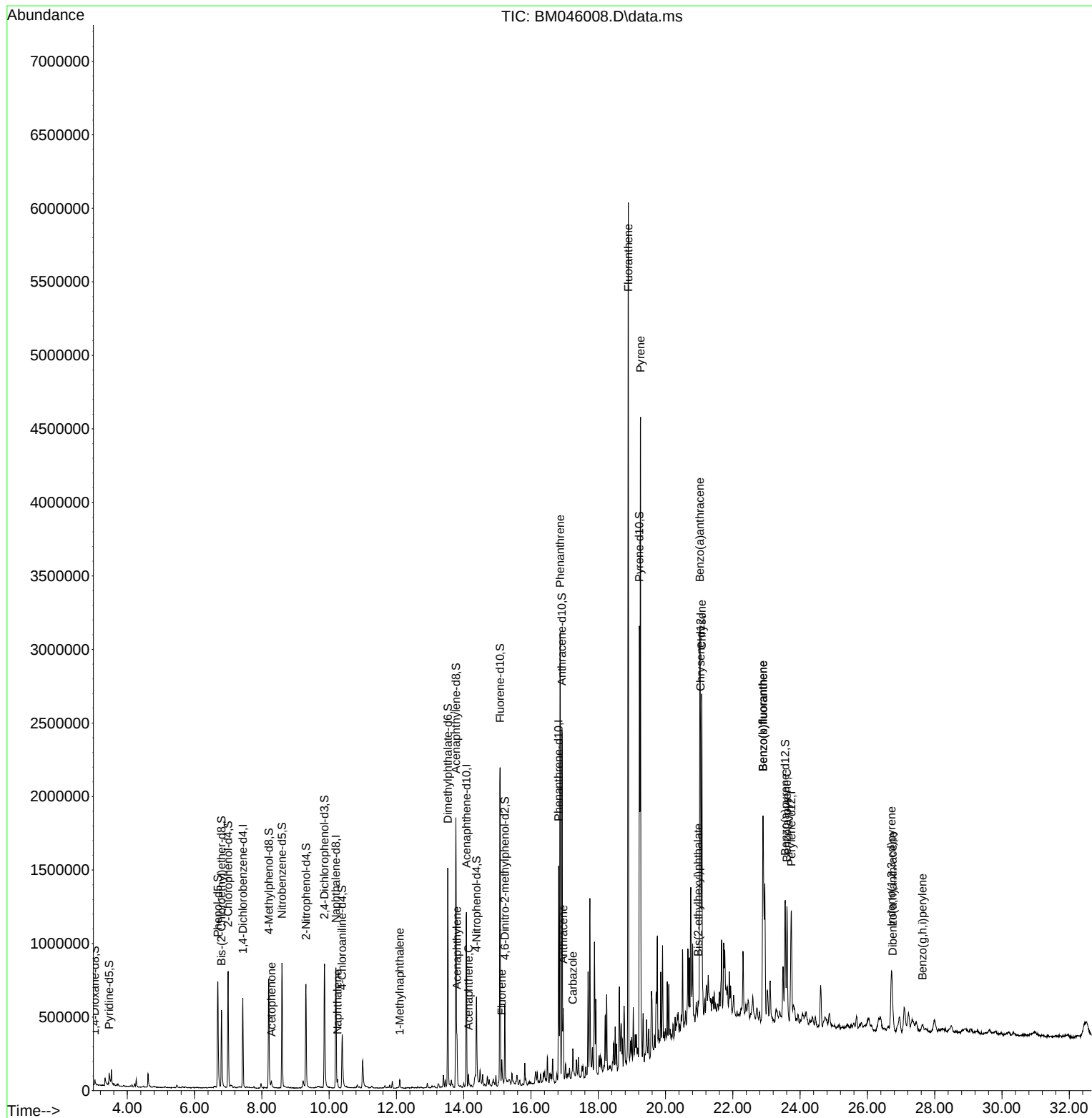
Target Compounds					Qvalue
16) Acetophenone	8.287	105	17467	1.208	ng/u1 91
30) Naphthalene	10.251	128	38285	1.238	ng/u1 98
37) 1-Methylnaphthalene	12.098	142	23866	1.166	ng/u1 95
50) Acenaphthylene	13.798	152	209898	6.301	ng/u1 99
52) Acenaphthene	14.145	153	28565	1.285	ng/u1 95
61) Fluorene	15.133	166	65066	2.694	ng/u1 99
72) Phenanthrene	16.868	178	1613933	40.921	ng/u1 99
74) Anthracene	16.957	178	262882	6.673	ng/u1 98
77) Carbazole	17.245	167	108380	3.224	ng/u1 99
80) Fluoranthene	18.892	202	3086176	71.691	ng/u1 100
82) Pyrene	19.257	202	2385764	53.941	ng/u1 98
85) Benzo(a)anthracene	21.021	228	1185432	30.067	ng/u1 96
86) Bis(2-ethylhexyl)phtha...	20.968	149	33721	1.259	ng/u1 95
87) Chrysene	21.074	228	1204947	33.037	ng/u1 97
90) Benzo(b)fluoranthene	22.897	252	1327825	39.027	ng/u1 99
91) Benzo(k)fluoranthene	22.897	252	1327825	39.957	ng/u1 97
93) Benzo(a)pyrene	23.609	252	567469	18.981	ng/u1 97
94) Indeno(1,2,3-cd)pyrene	26.715	276	480465	14.716	ng/u1 97
95) Dibenzo(a,h)anthracene	26.750	278	161329	6.247	ng/u1 96
96) Benzo(g,h,i)perylene	27.638	276	64673	2.249	ng/u1 97

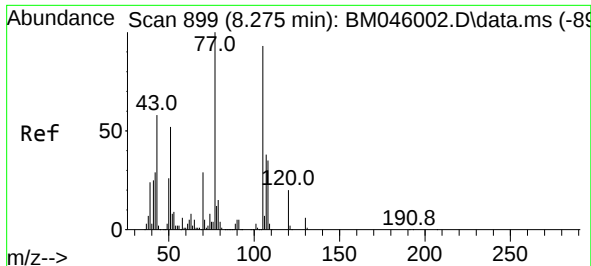
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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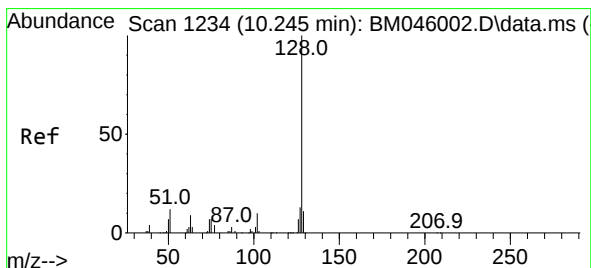
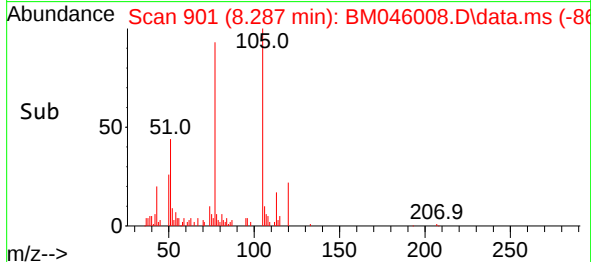
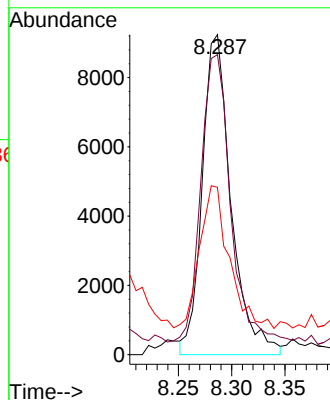
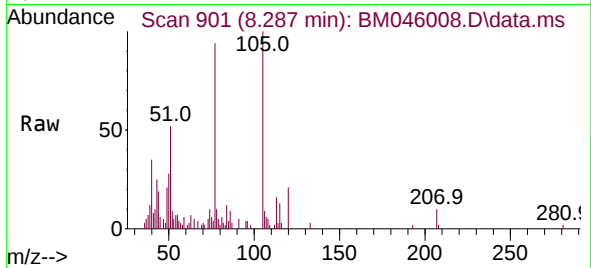




#16
Acetophenone
Concen: 1.208 ng/ul
RT: 8.287 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

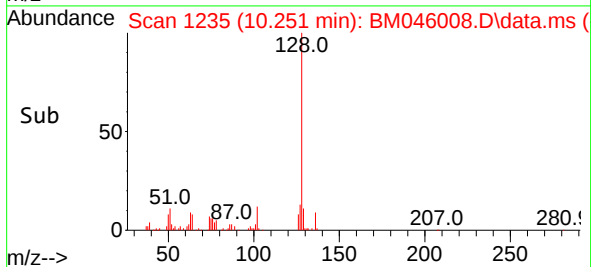
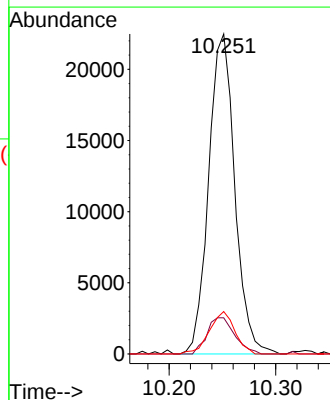
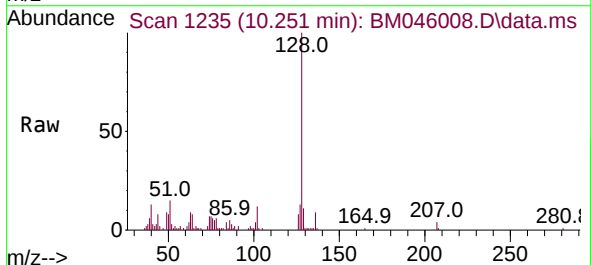
Instrument :
BNA_M
ClientSampleId :
BHC32

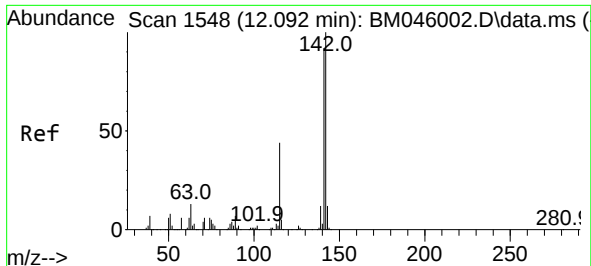
Tgt Ion:105 Resp: 17467
Ion Ratio Lower Upper
105 100
77 93.8 84.7 127.1
51 52.3 39.4 59.0



#30
Naphthalene
Concen: 1.238 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

Tgt Ion:128 Resp: 38285
Ion Ratio Lower Upper
128 100
129 11.3 8.3 12.5
127 13.2 10.3 15.5





#37

1-Methylnaphthalene

Concen: 1.166 ng/ul

RT: 12.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Instrument :

BNA_M

ClientSampleId :

BHC32

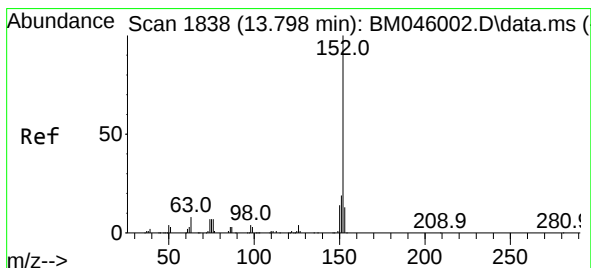
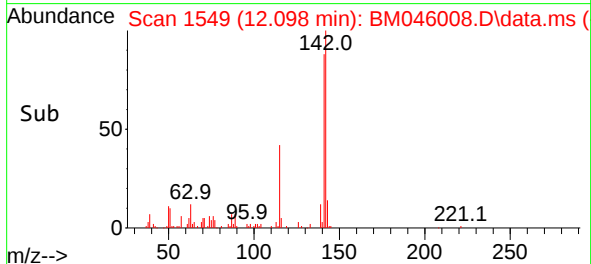
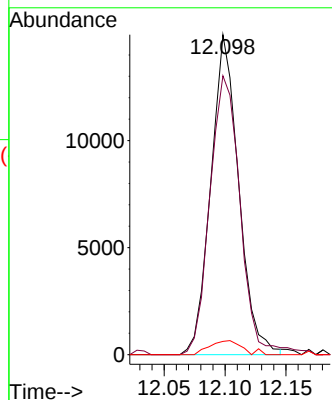
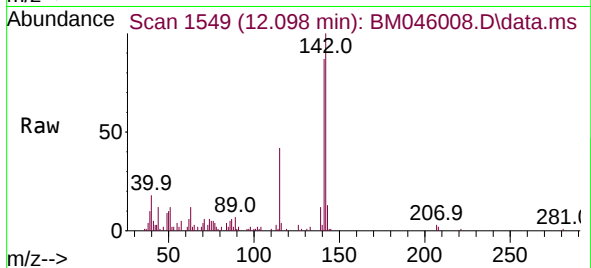
Tgt Ion:142 Resp: 23866

Ion Ratio Lower Upper

142 100

141 87.1 73.5 110.3

116 4.2 3.3 4.9



#50

Acenaphthylene

Concen: 6.301 ng/ul

RT: 13.798 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

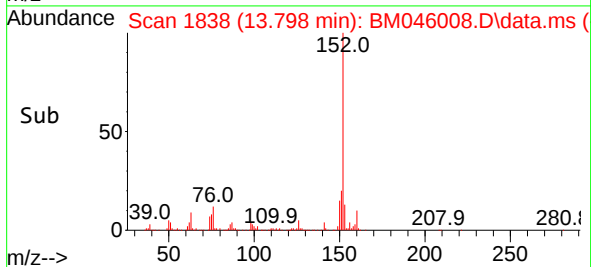
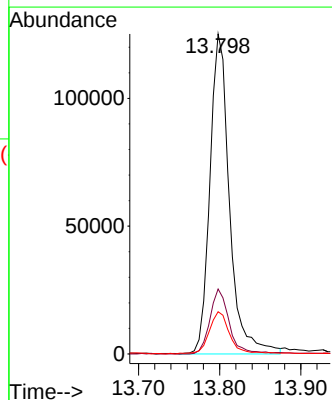
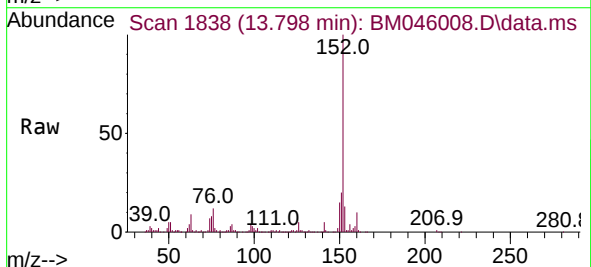
Tgt Ion:152 Resp: 209898

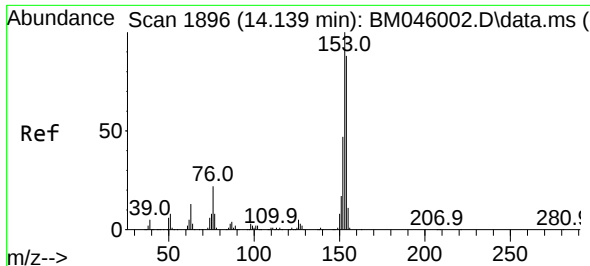
Ion Ratio Lower Upper

152 100

151 20.3 15.6 23.4

153 13.2 10.4 15.6

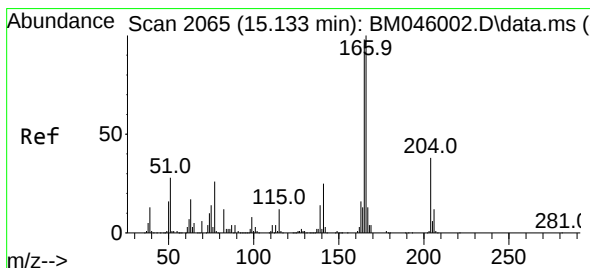
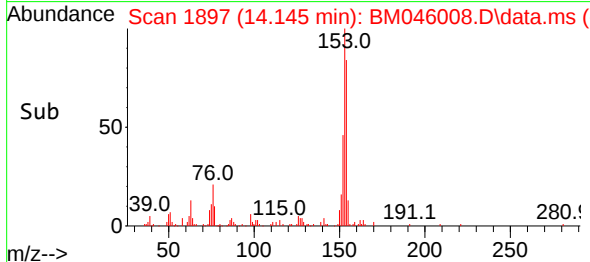
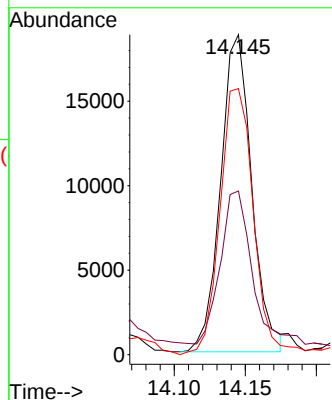
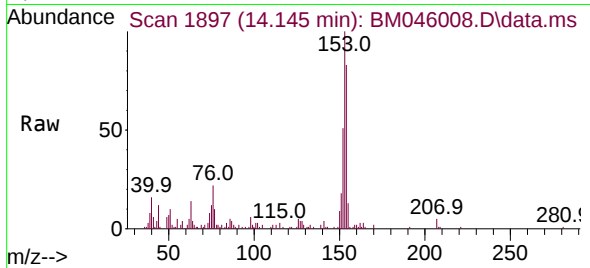




#52
Acenaphthene
Concen: 1.285 ng/ul
RT: 14.145 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

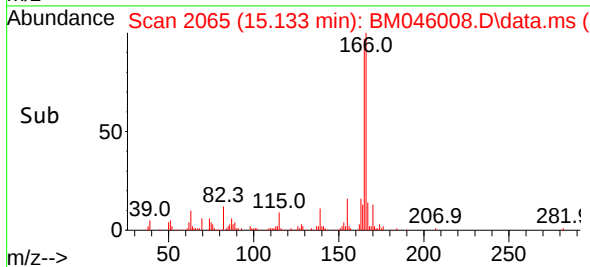
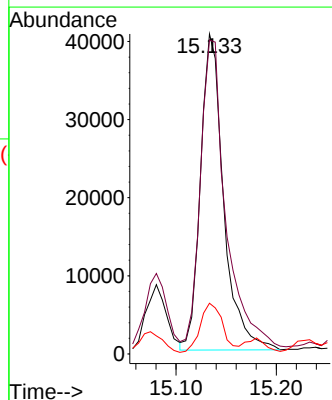
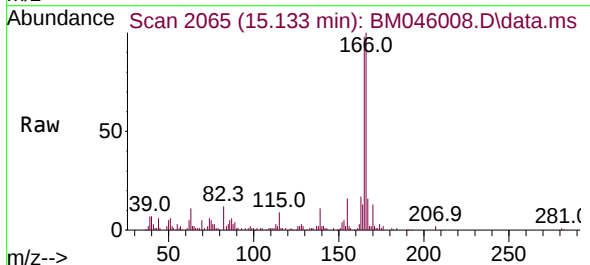
Instrument :
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ClientSampleId :
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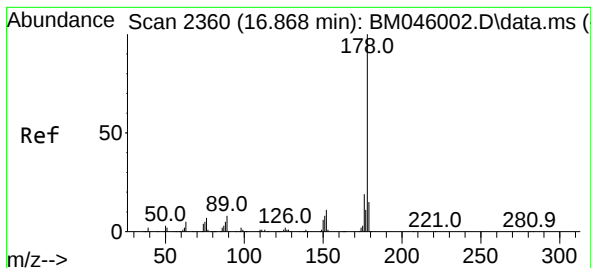
Tgt Ion:153 Resp: 28565
Ion Ratio Lower Upper
153 100
152 51.1 38.6 58.0
154 83.1 70.7 106.1



#61
Fluorene
Concen: 2.694 ng/ul
RT: 15.133 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

Tgt Ion:166 Resp: 65066
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 15.9 10.6 16.0





#72

Phenanthrene

Concen: 40.921 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Instrument :

BNA_M

ClientSampleId :

BHC32

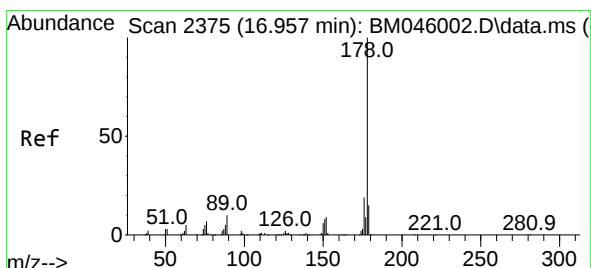
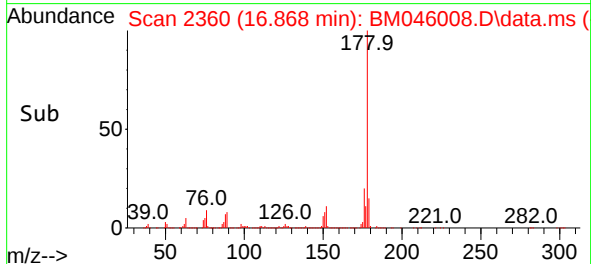
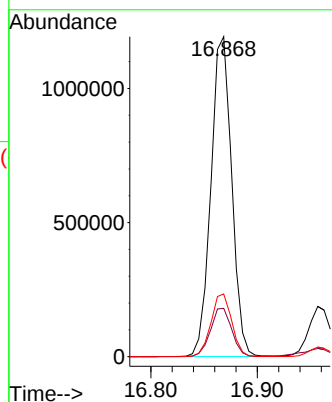
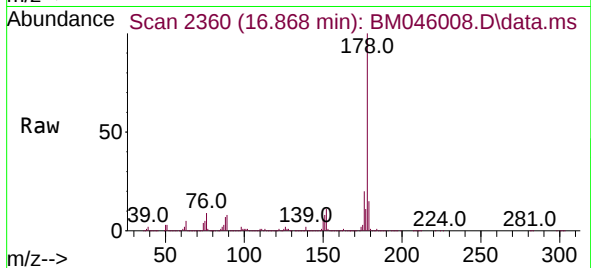
Tgt Ion:178 Resp: 1613933

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

176 19.6 15.3 22.9



#74

Anthracene

Concen: 6.673 ng/ul

RT: 16.957 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

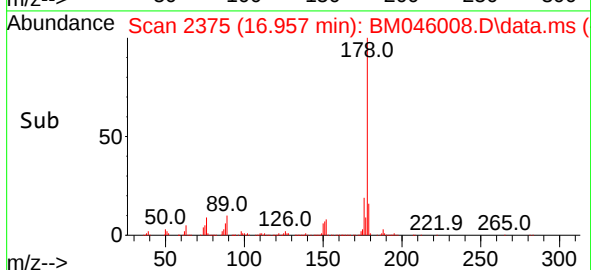
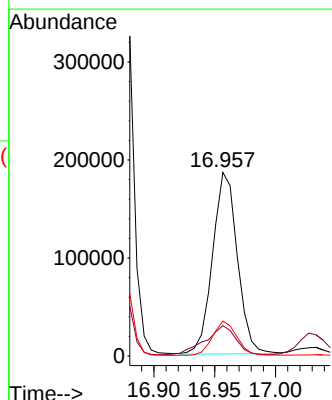
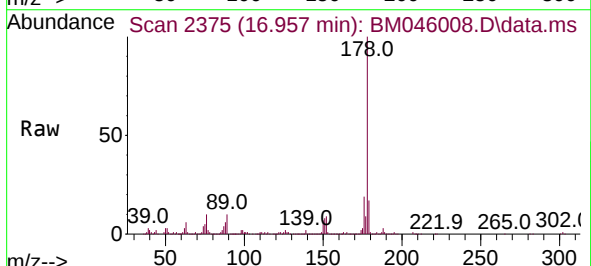
Tgt Ion:178 Resp: 262882

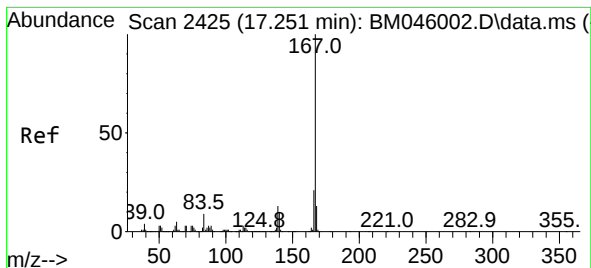
Ion Ratio Lower Upper

178 100

179 16.6 12.0 18.0

176 19.0 15.0 22.6





#77

Carbazole

Concen: 3.224 ng/ul

RT: 17.245 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Instrument :

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ClientSampleId :

BHC32

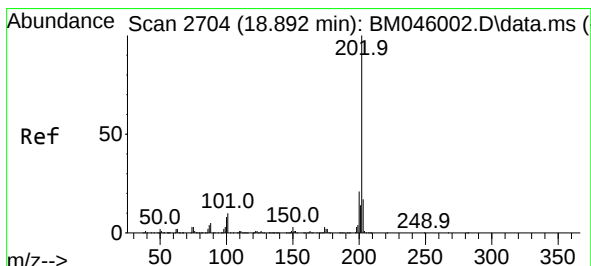
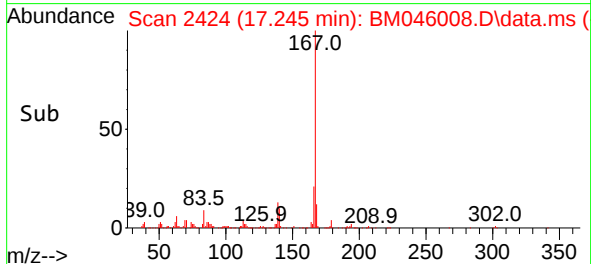
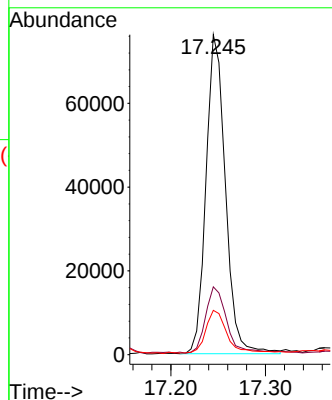
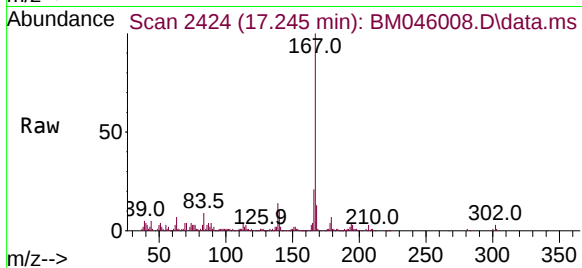
Tgt Ion:167 Resp: 108380

Ion Ratio Lower Upper

167 100

166 21.2 16.6 24.8

139 13.9 10.6 16.0



#80

Fluoranthene

Concen: 71.691 ng/ul

RT: 18.892 min Scan# 2704

Delta R.T. 0.000 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

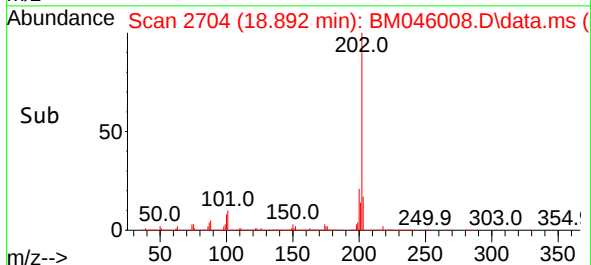
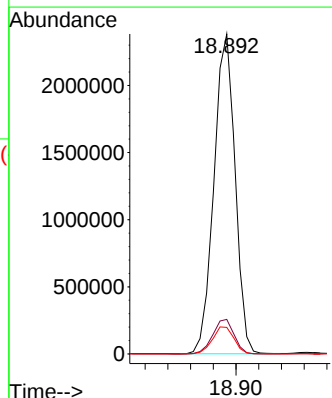
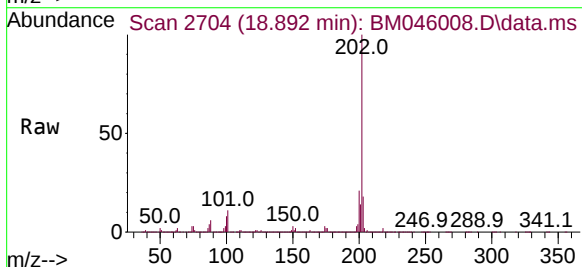
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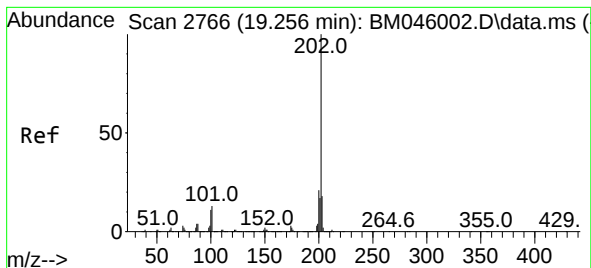
Ion Ratio Lower Upper

202 100

101 10.8 8.9 13.3

100 8.3 6.6 10.0





#82

Pyrene

Concen: 53.941 ng/ul

RT: 19.257 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

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ClientSampleId :

BHC32

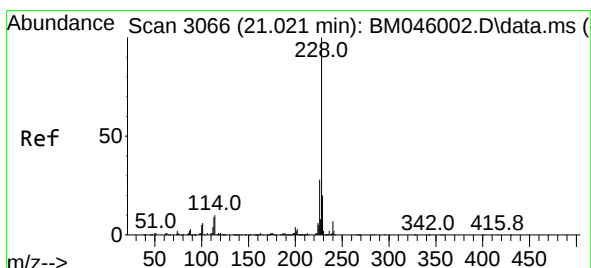
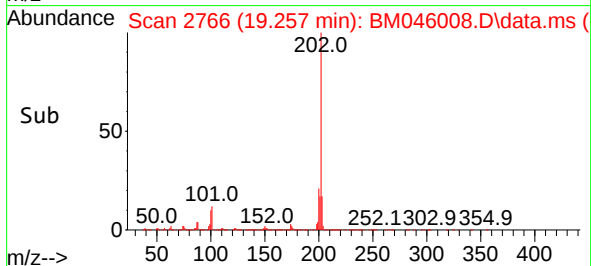
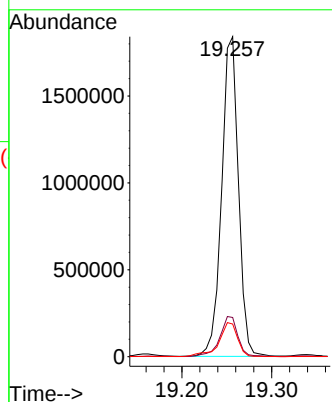
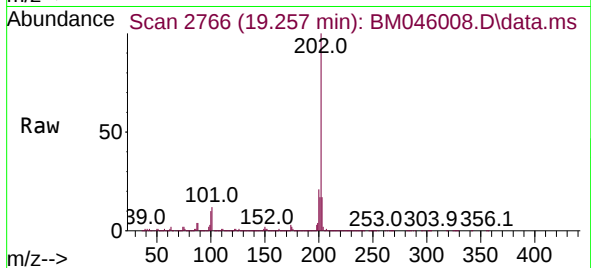
Tgt Ion:202 Resp: 2385764

Ion Ratio Lower Upper

202 100

101 12.2 10.5 15.7

100 10.2 8.6 12.8



#85

Benzo(a)anthracene

Concen: 30.067 ng/ul

RT: 21.021 min Scan# 3066

Delta R.T. -0.006 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

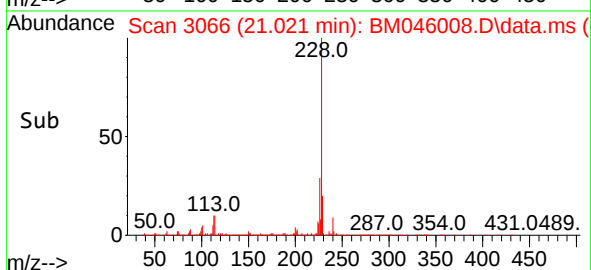
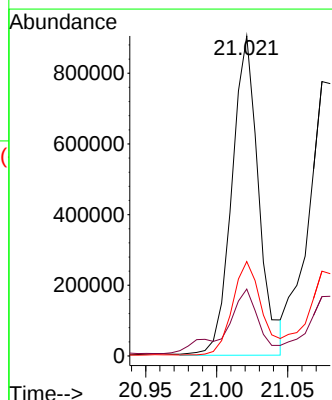
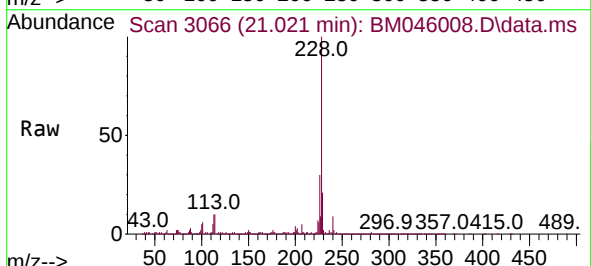
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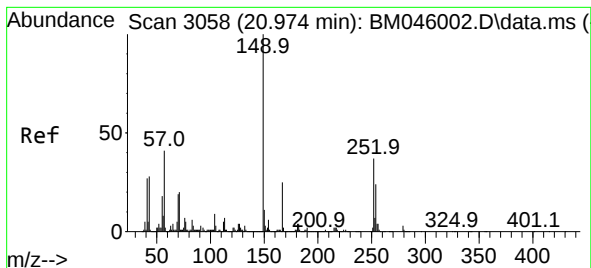
Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

226 29.5 21.4 32.0

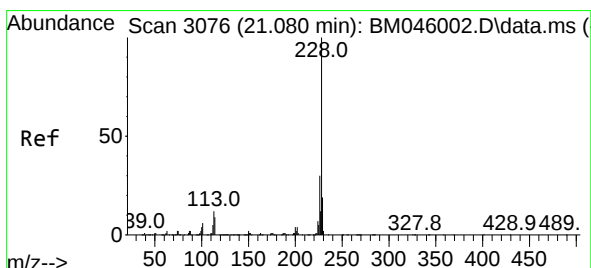
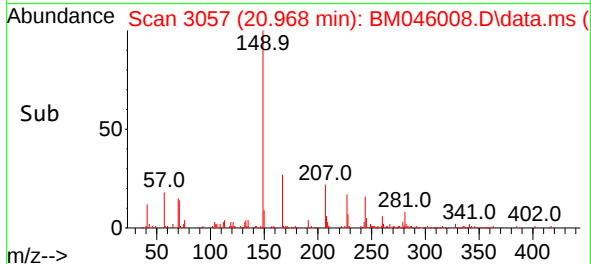
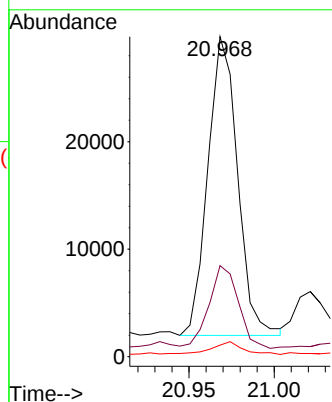
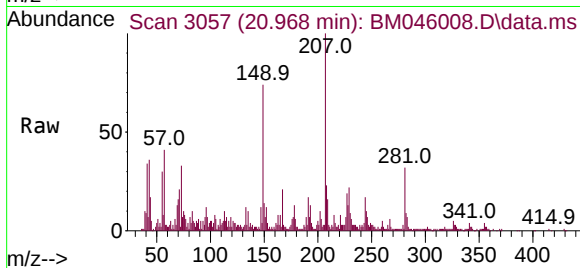




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.259 ng/ul
 RT: 20.968 min Scan# 3057
 Delta R.T. -0.012 min
 Lab File: BM046008.D
 Acq: 12 Jun 2024 22:36

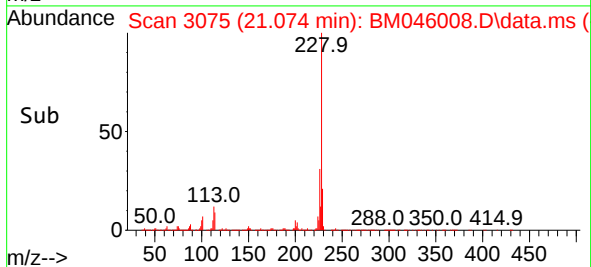
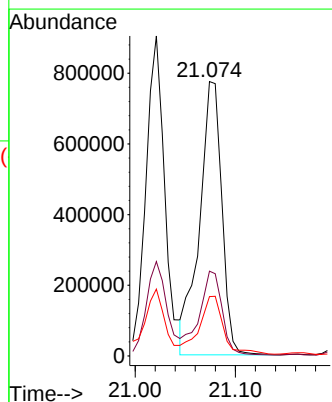
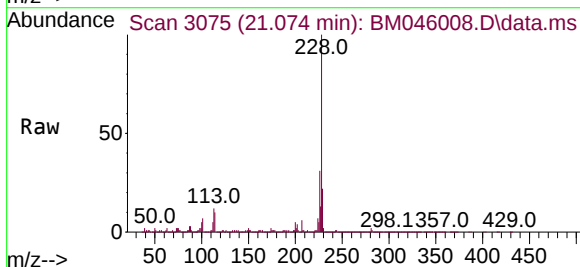
Instrument :
 BNA_M
 ClientSampleId :
 BHC32

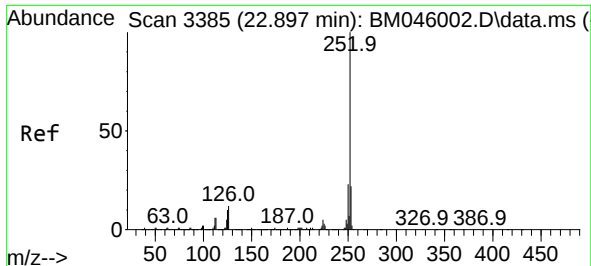
Tgt Ion:149 Resp: 33721
 Ion Ratio Lower Upper
 149 100
 167 28.5 20.4 30.6
 279 3.6 3.1 4.7



#87
 Chrysene
 Concen: 33.037 ng/ul
 RT: 21.074 min Scan# 3075
 Delta R.T. -0.012 min
 Lab File: BM046008.D
 Acq: 12 Jun 2024 22:36

Tgt Ion:228 Resp: 1204947
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.2 36.2
 229 21.6 15.2 22.8

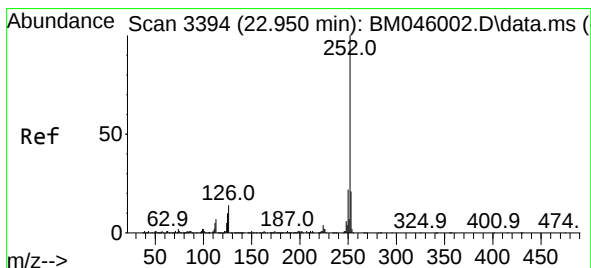
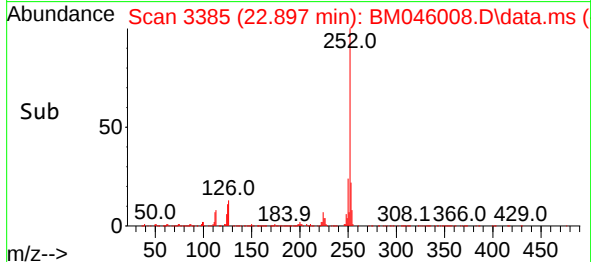
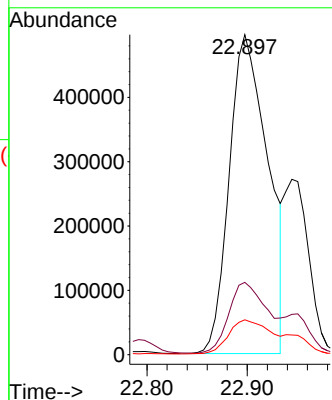
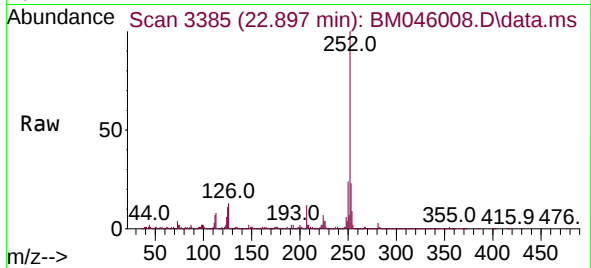




#90
Benzo(b)fluoranthene
Concen: 39.027 ng/u1
RT: 22.897 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

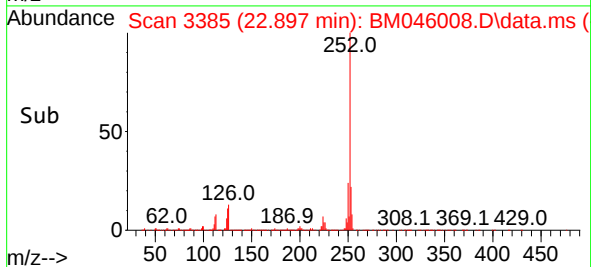
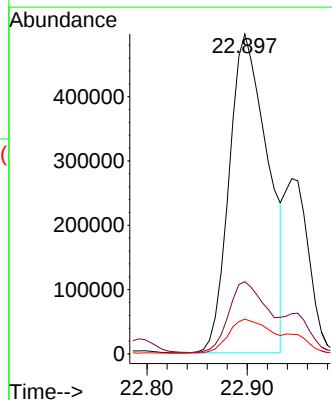
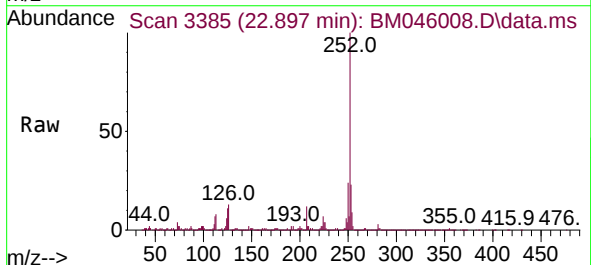
Instrument :
BNA_M
ClientSampleId :
BHC32

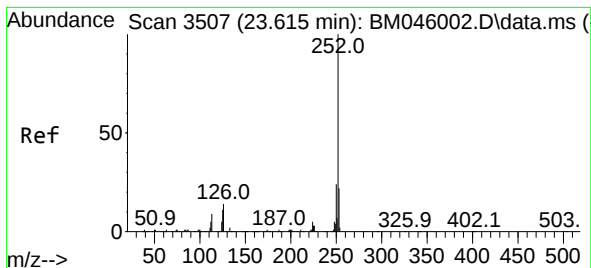
Tgt Ion:252 Resp: 1327825
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.9 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 39.957 ng/u1
RT: 22.897 min Scan# 3385
Delta R.T. -0.059 min
Lab File: BM046008.D
Acq: 12 Jun 2024 22:36

Tgt Ion:252 Resp: 1327825
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 10.9 8.2 12.4





#93

Benzo(a)pyrene

Concen: 18.981 ng/ul

RT: 23.609 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Instrument :

BNA_M

ClientSampleId :

BHC32

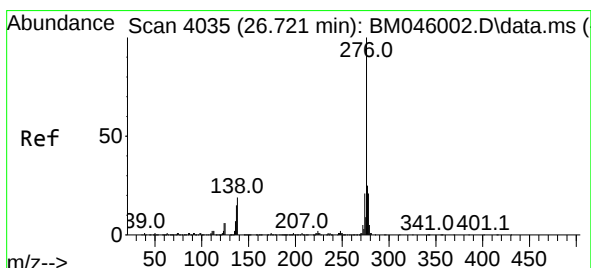
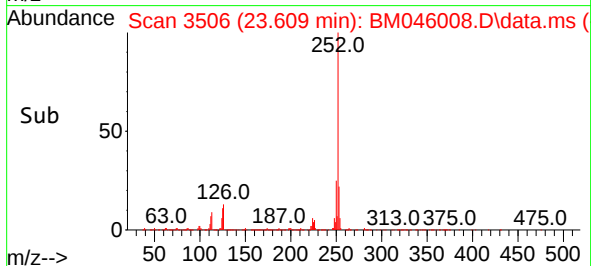
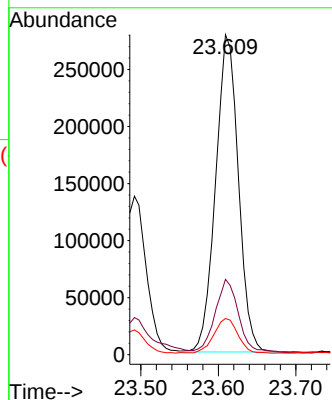
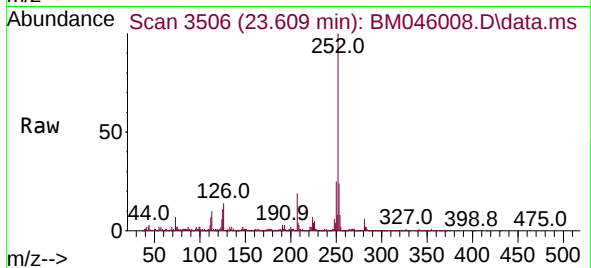
Tgt Ion:252 Resp: 567469

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 11.3 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.716 ng/ul

RT: 26.715 min Scan# 4034

Delta R.T. -0.012 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

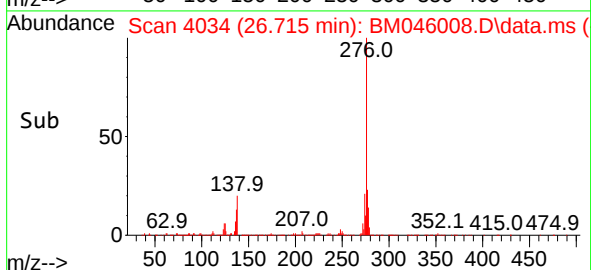
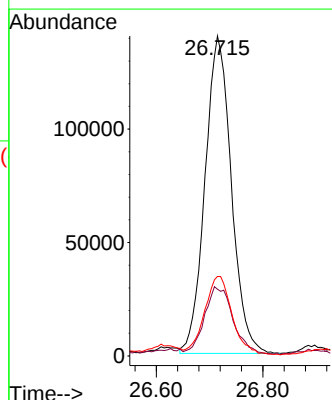
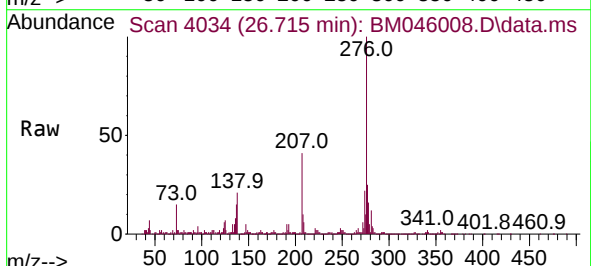
Tgt Ion:276 Resp: 480465

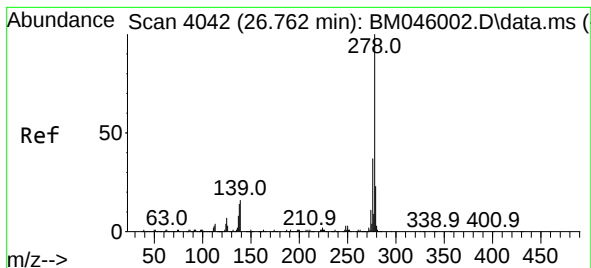
Ion Ratio Lower Upper

276 100

138 20.9 17.9 26.9

277 24.8 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 6.247 ng/ul

RT: 26.750 min Scan# 4042

Delta R.T. -0.023 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Instrument :

BNA_M

ClientSampleId :

BHC32

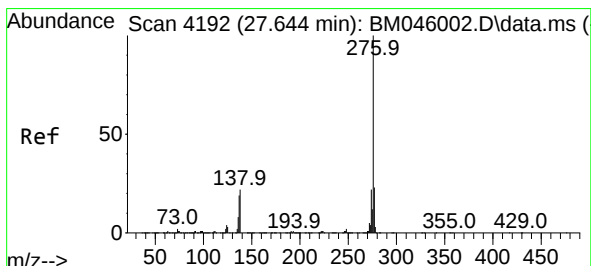
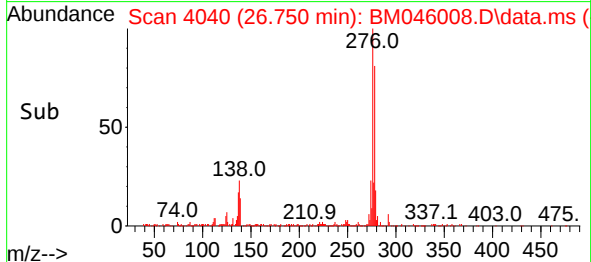
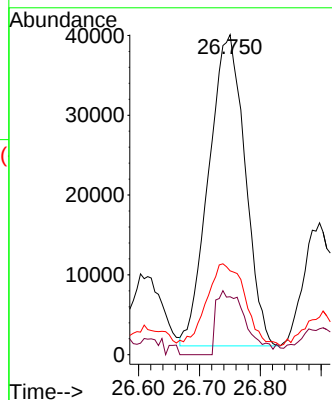
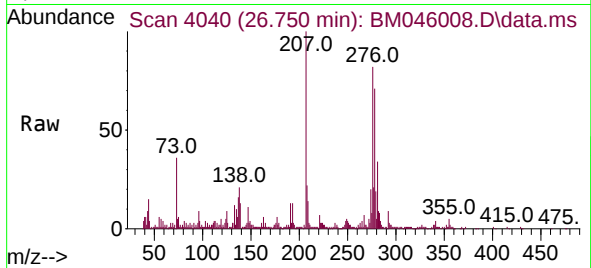
Tgt Ion:278 Resp: 161329

Ion Ratio Lower Upper

278 100

139 18.1 13.2 19.8

279 26.2 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 2.249 ng/ul

RT: 27.638 min Scan# 4191

Delta R.T. -0.018 min

Lab File: BM046008.D

Acq: 12 Jun 2024 22:36

Tgt Ion:276 Resp: 64673

Ion Ratio Lower Upper

276 100

138 26.1 18.6 27.8

277 23.1 18.7 28.1

