

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046011.D
 Acq On : 13 Jun 2024 00:34
 Operator : MA/JU
 Sample : P2659-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC39

Quant Time: Jun 13 01:21:09 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)

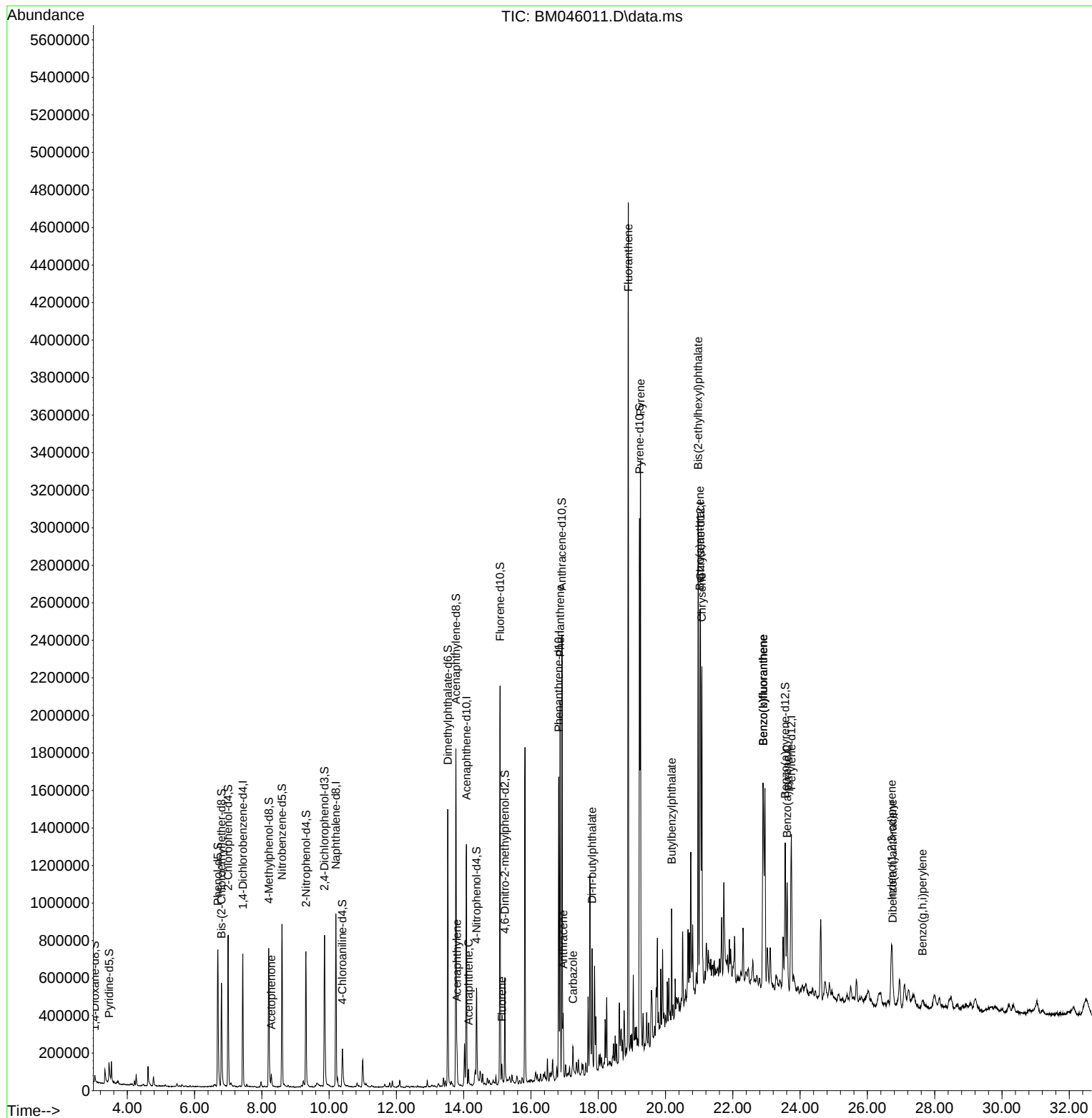
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	156164	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	644813	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	394302	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.827	188	811707	20.000	ng/u1	0.00
79) Chrysene-d12	21.038	240	596439	20.000	ng/u1	0.00
88) Perylene-d12	23.738	264	603740	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.034	96	17311	4.298	ng/uL	0.00
4) Pyridine-d5	3.457	84	68813	6.635	ng/u1	0.00
7) Phenol-d5	6.692	99	375246	28.285	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	276428	29.017	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	306209	30.900	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	256796	25.621	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	156395	31.021	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	168606	33.044	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	288918	30.195	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	120432	9.094	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	861125	31.546	ng/u1	0.00
49) Acenaphthylene-d8	13.768	160	994418	31.371	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	104241	17.694	ng/u1	0.00
60) Fluorene-d10	15.080	176	741147	31.826	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	81995	19.782	ng/u1	0.00
73) Anthracene-d10	16.921	188	1106940	31.370	ng/u1	0.00
81) Pyrene-d10	19.227	212	1095849	29.544	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	610008	21.618	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.281	105	24815	1.486	ng/u1	87
50) Acenaphthylene	13.798	152	112048	3.054	ng/u1	98
52) Acenaphthene	14.145	153	27277	1.114	ng/u1	94
61) Fluorene	15.139	166	40571	1.525	ng/u1	97
72) Phenanthrene	16.868	178	1045293	24.440	ng/u1	100
74) Anthracene	16.956	178	183491	4.295	ng/u1	99
77) Carbazole	17.251	167	84540	2.319	ng/u1	100
78) Di-n-butylphthalate	17.815	149	334672	6.982	ng/u1	99
80) Fluoranthene	18.892	202	2385731	53.056	ng/u1	99
82) Pyrene	19.256	202	1749320	37.864	ng/u1	98
83) Butylbenzylphthalate	20.180	149	138543	7.358	ng/u1	94
85) Benzo(a)anthracene	21.021	228	871692	21.166	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	20.968	149	740375	26.466	ng/u1	100
87) Chrysene	21.080	228	916943	24.068	ng/u1	97
90) Benzo(b)fluoranthene	22.903	252	1061621	28.613	ng/u1	99
91) Benzo(k)fluoranthene	22.903	252	1061621	29.295	ng/u1	98
93) Benzo(a)pyrene	23.615	252	431751	13.243	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.720	276	386096	10.844	ng/u1	98
95) Dibenzo(a,h)anthracene	26.750	278	127252	4.519	ng/u1#	88
96) Benzo(g,h,i)perylene	27.638	276	49367	1.574	ng/u1#	89

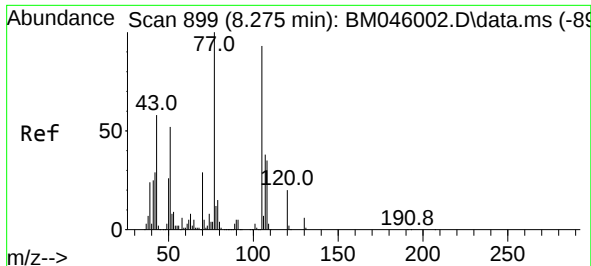
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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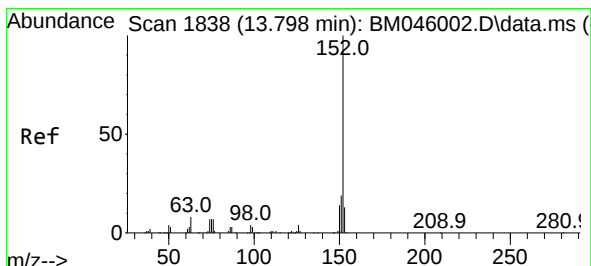
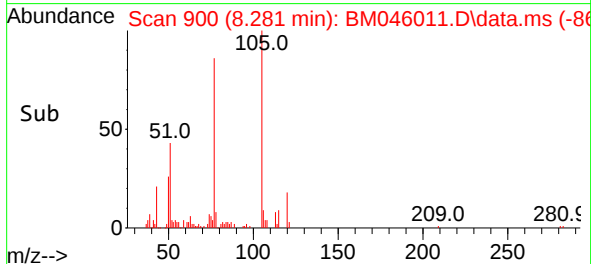
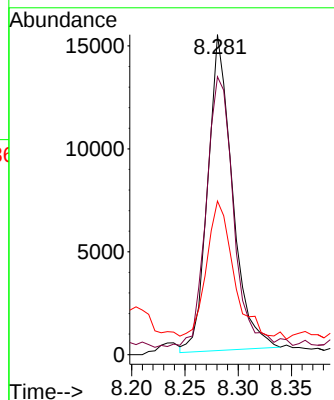
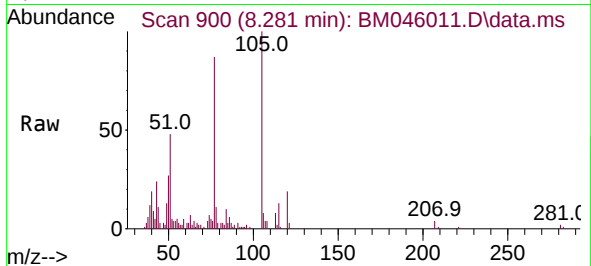




#16
Acetophenone
Concen: 1.486 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

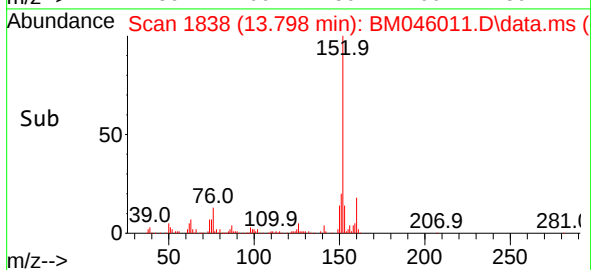
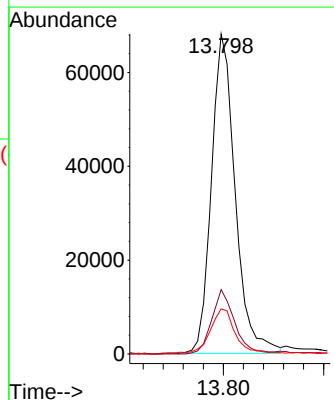
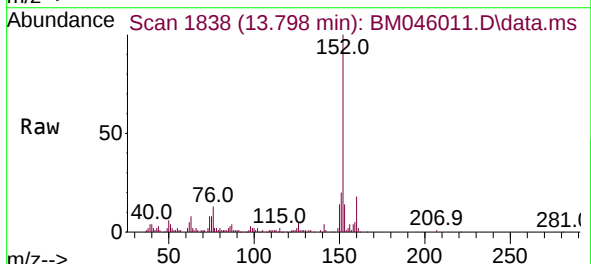
Instrument :
BNA_M
ClientSampleId :
BHC39

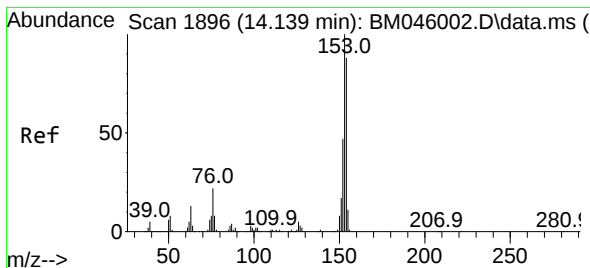
Tgt Ion:105 Resp: 24815
Ion Ratio Lower Upper
105 100
77 86.9 84.7 127.1
51 48.0 39.4 59.0



#50
Acenaphthylene
Concen: 3.054 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

Tgt Ion:152 Resp: 112048
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 14.1 10.4 15.6





#52

Acenaphthene

Concen: 1.114 ng/ul

RT: 14.145 min Scan# 1897

Delta R.T. -0.000 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

ClientSampleId :

BHC39

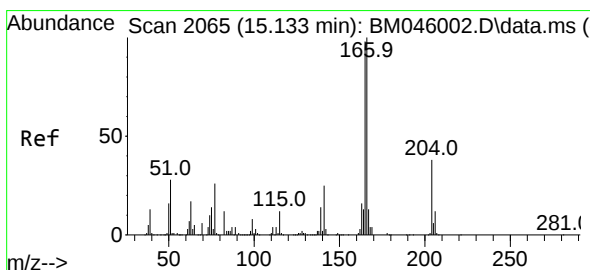
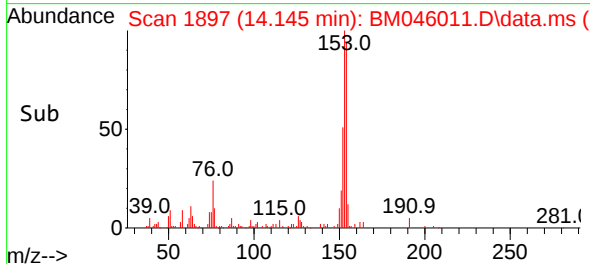
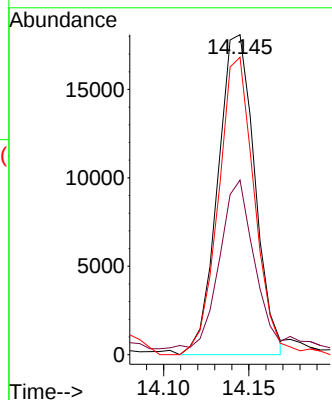
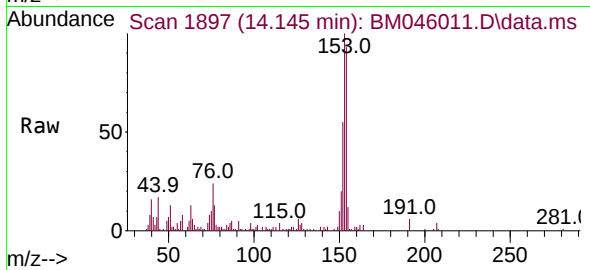
Tgt Ion:153 Resp: 27277

Ion Ratio Lower Upper

153 100

152 54.6 38.6 58.0

154 92.9 70.7 106.1



#61

Fluorene

Concen: 1.525 ng/ul

RT: 15.139 min Scan# 2066

Delta R.T. 0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

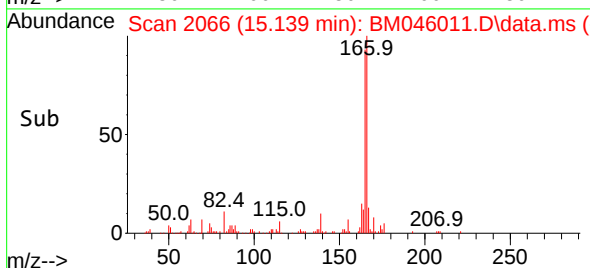
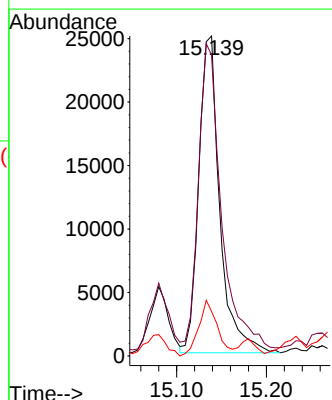
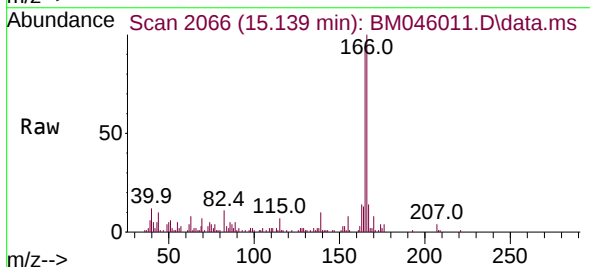
Tgt Ion:166 Resp: 40571

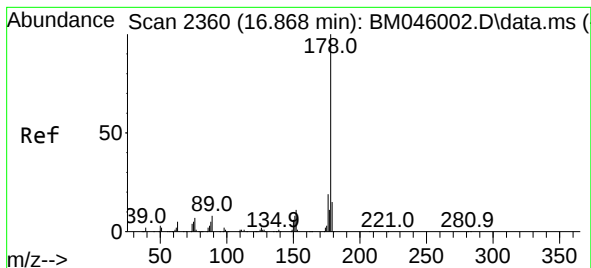
Ion Ratio Lower Upper

166 100

165 94.0 78.1 117.1

167 13.9 10.6 16.0





#72

Phenanthrene

Concen: 24.440 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

ClientSampleId :

BHC39

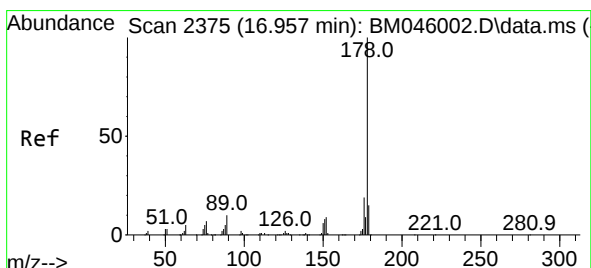
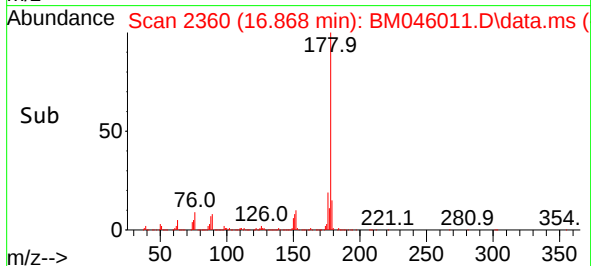
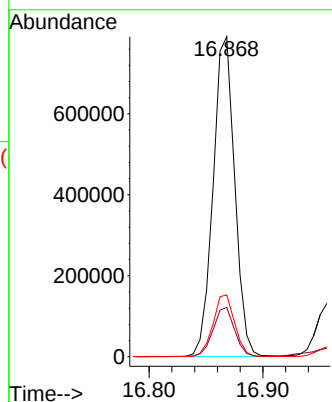
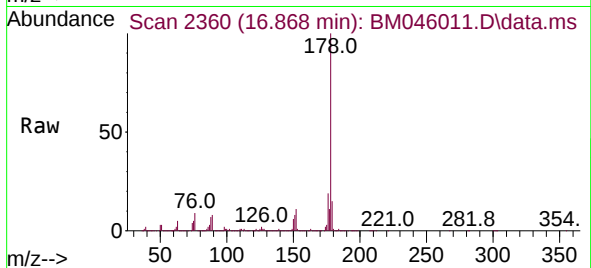
Tgt Ion:178 Resp: 1045293

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.3 15.3 22.9



#74

Anthracene

Concen: 4.295 ng/ul

RT: 16.956 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

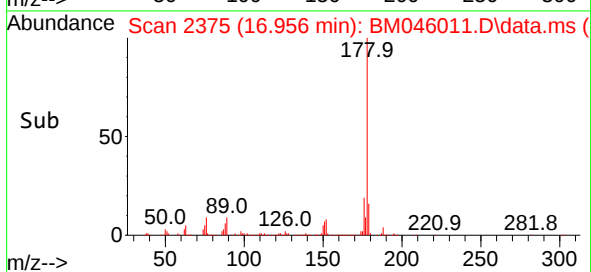
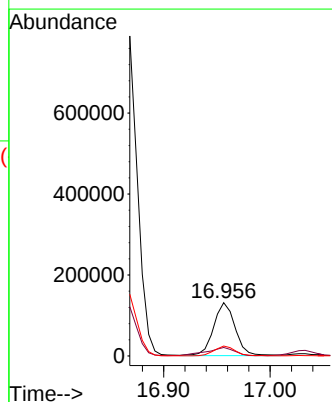
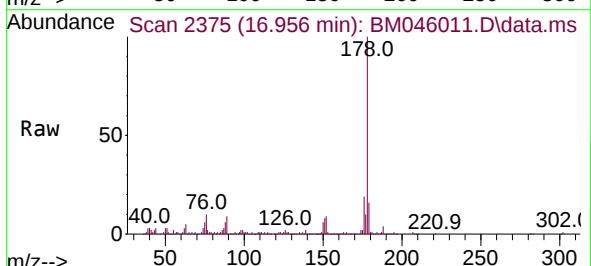
Tgt Ion:178 Resp: 183491

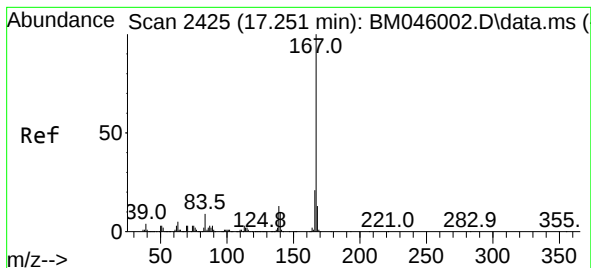
Ion Ratio Lower Upper

178 100

179 16.1 12.0 18.0

176 18.8 15.0 22.6





#77

Carbazole

Concen: 2.319 ng/ul

RT: 17.251 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

ClientSampleId :

BHC39

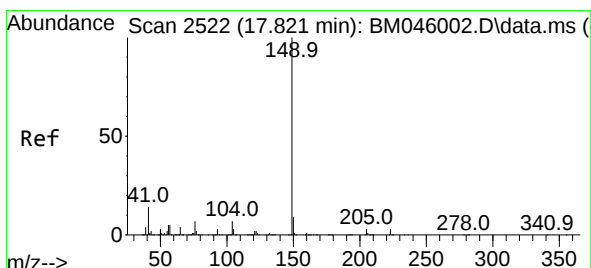
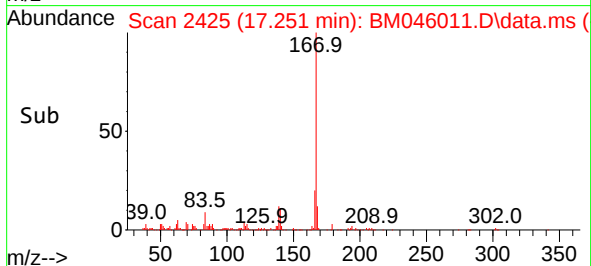
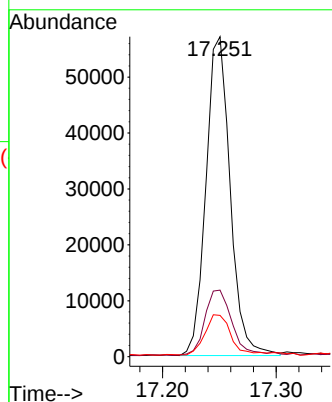
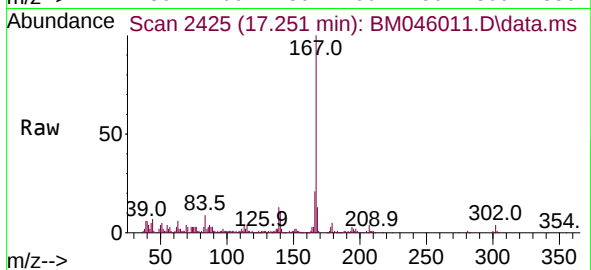
Tgt Ion:167 Resp: 84540

Ion Ratio Lower Upper

167 100

166 20.8 16.6 24.8

139 12.9 10.6 16.0



#78

Di-n-butylphthalate

Concen: 6.982 ng/ul

RT: 17.815 min Scan# 2521

Delta R.T. -0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

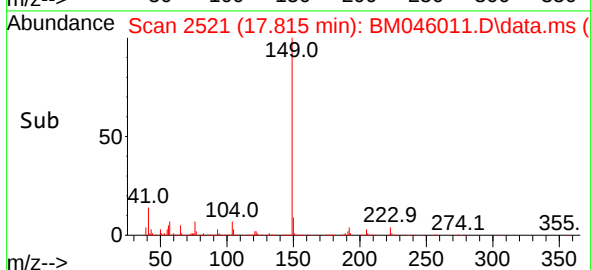
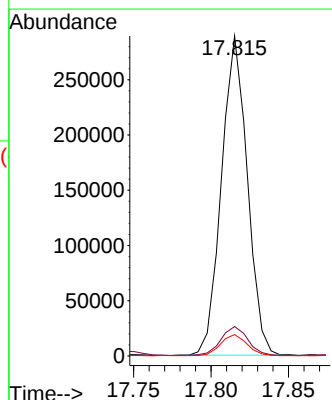
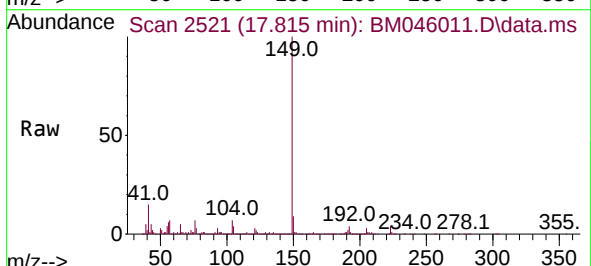
Tgt Ion:149 Resp: 334672

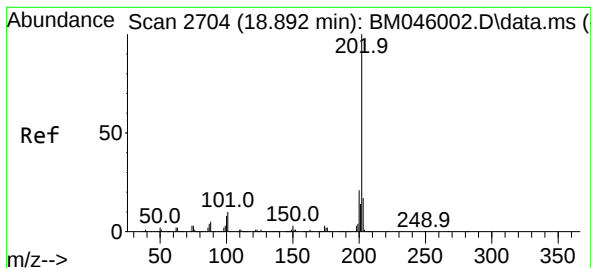
Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

104 6.7 4.9 7.3





#80

Fluoranthene

Concen: 53.056 ng/ul

RT: 18.892 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

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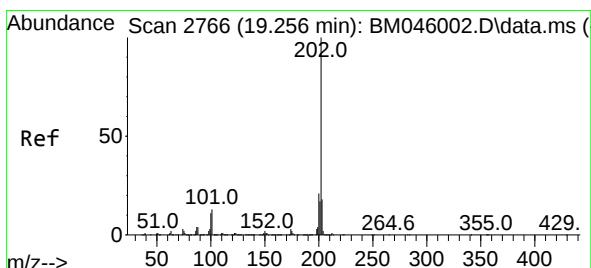
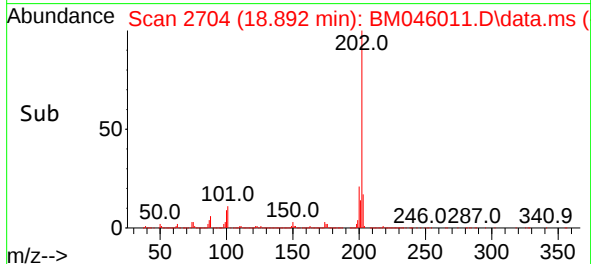
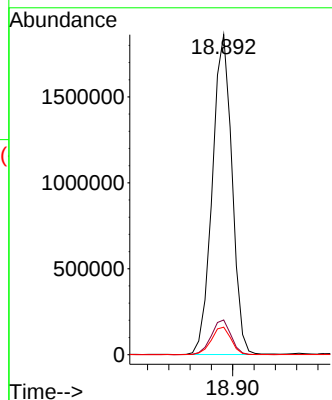
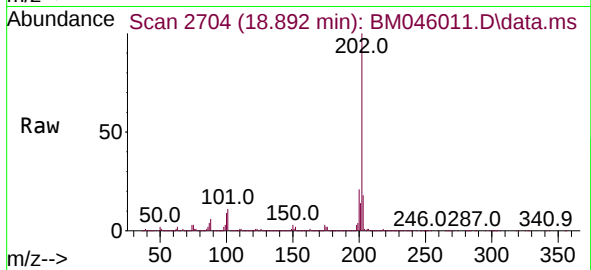
Tgt Ion:202 Resp: 2385731

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

100 8.6 6.6 10.0



#82

Pyrene

Concen: 37.864 ng/ul

RT: 19.256 min Scan# 2766

Delta R.T. -0.000 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

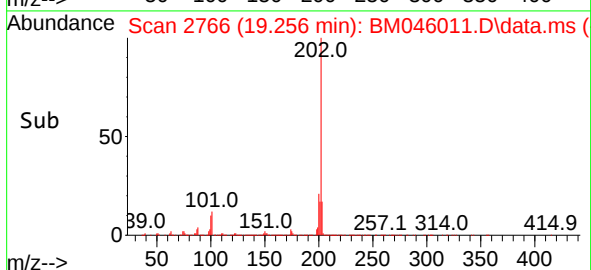
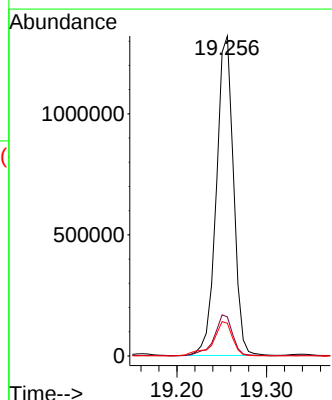
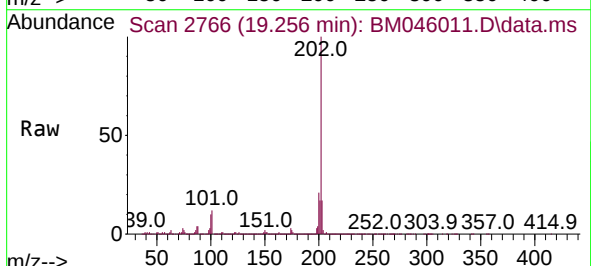
Tgt Ion:202 Resp: 1749320

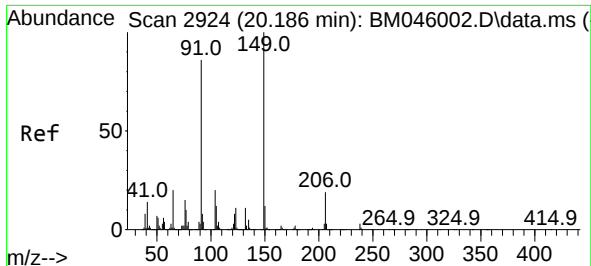
Ion Ratio Lower Upper

202 100

101 12.2 10.5 15.7

100 10.2 8.6 12.8

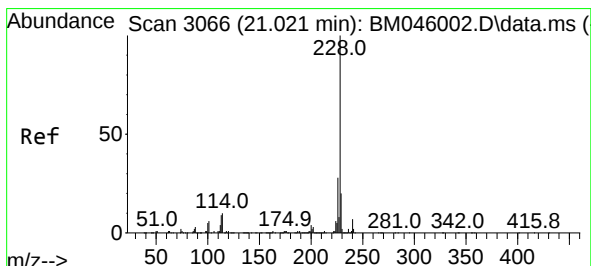
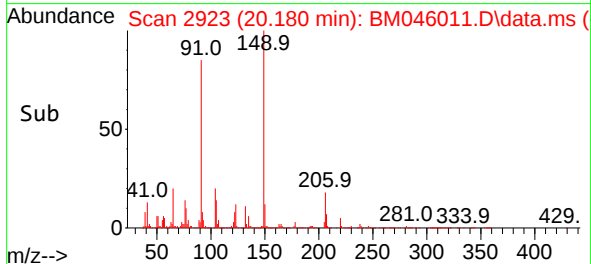
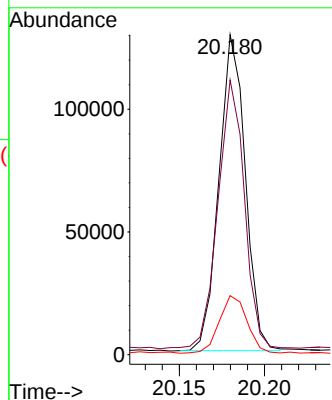
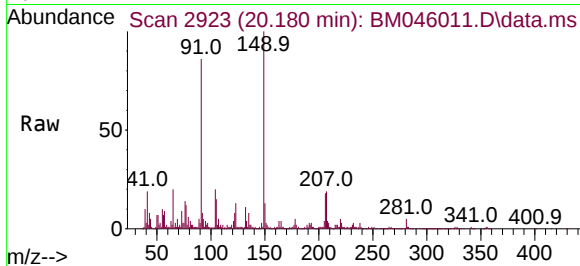




#83
Butylbenzylphthalate
Concen: 7.358 ng/ul
RT: 20.180 min Scan# 2924
Delta R.T. -0.006 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

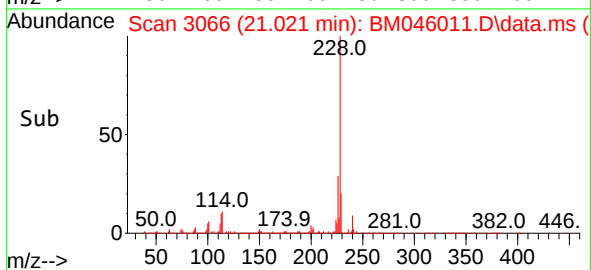
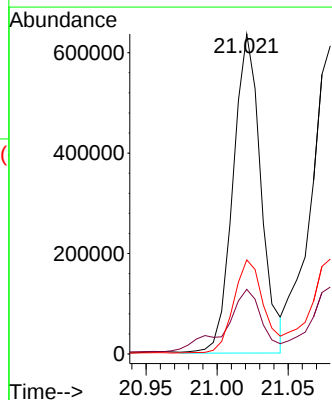
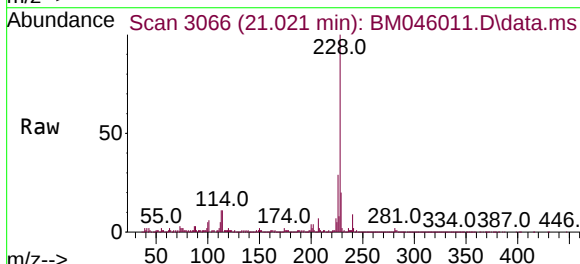
Instrument :
BNA_M
ClientSampleId :
BHC39

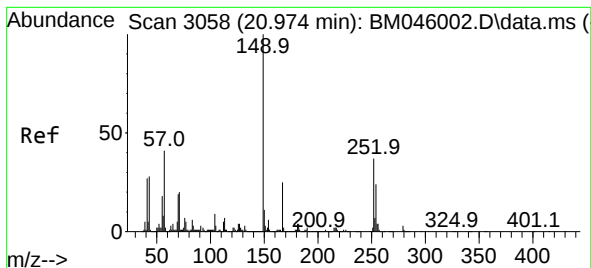
Tgt Ion:149 Resp: 138543
Ion Ratio Lower Upper
149 100
91 85.9 63.7 95.5
206 18.4 15.9 23.9



#85
Benzo(a)anthracene
Concen: 21.166 ng/ul
RT: 21.021 min Scan# 3066
Delta R.T. -0.006 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

Tgt Ion:228 Resp: 871692
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.8
226 29.4 21.4 32.0

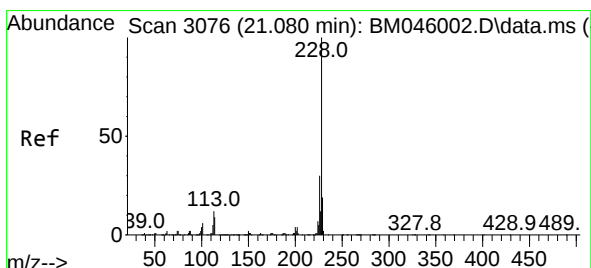
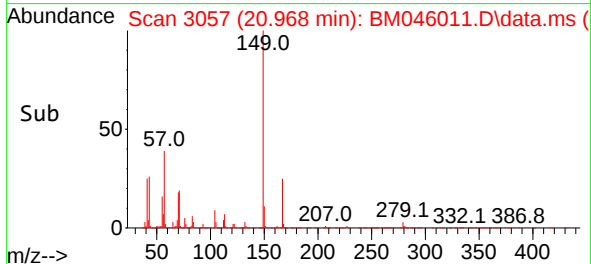
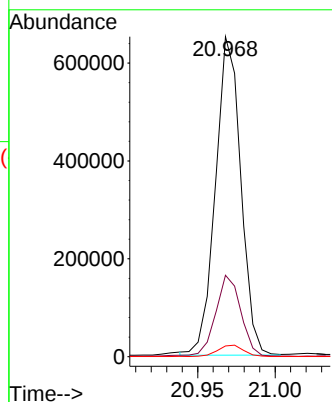
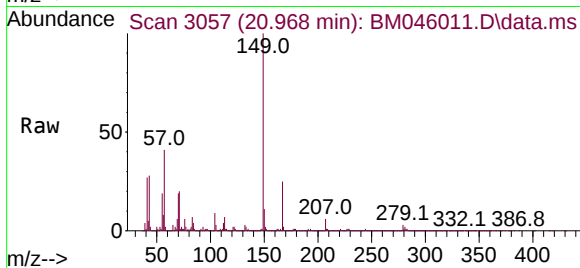




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 26.466 ng/ul
 RT: 20.968 min Scan# 3057
 Delta R.T. -0.012 min
 Lab File: BM046011.D
 Acq: 13 Jun 2024 00:34

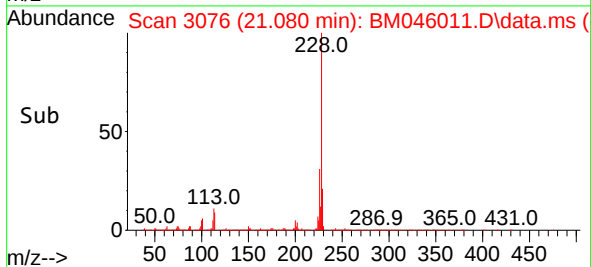
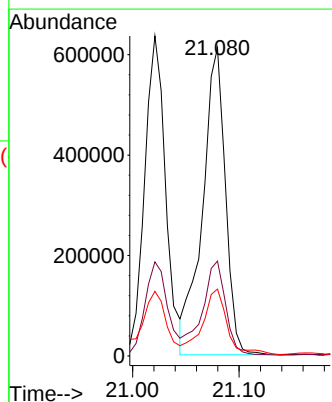
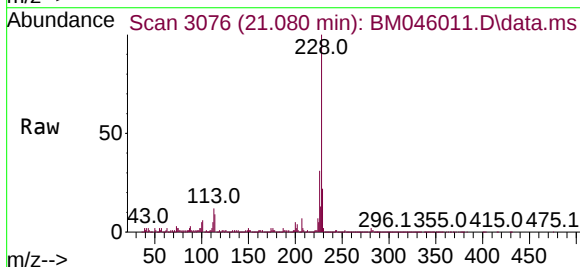
Instrument :
 BNA_M
 ClientSampleId :
 BHC39

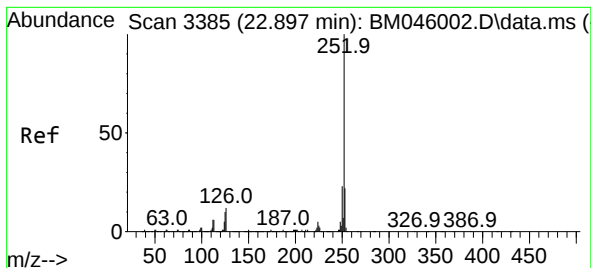
Tgt Ion:149 Resp: 740375
 Ion Ratio Lower Upper
 149 100
 167 25.4 20.4 30.6
 279 3.4 3.1 4.7



#87
 Chrysene
 Concen: 24.068 ng/ul
 RT: 21.080 min Scan# 3076
 Delta R.T. -0.006 min
 Lab File: BM046011.D
 Acq: 13 Jun 2024 00:34

Tgt Ion:228 Resp: 916943
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.2 36.2
 229 21.7 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 28.613 ng/ul

RT: 22.903 min Scan# 3386

Delta R.T. -0.000 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

ClientSampleId :

BHC39

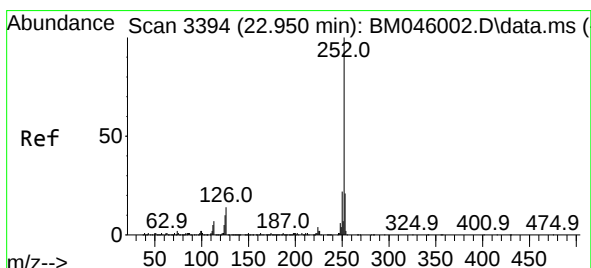
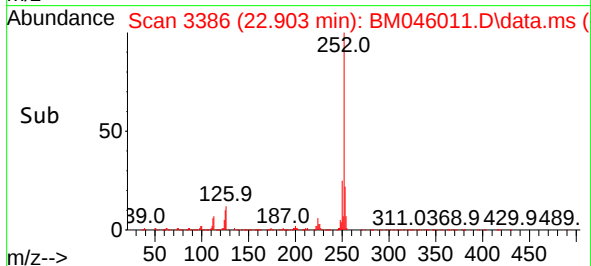
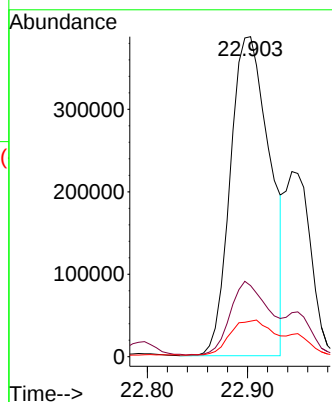
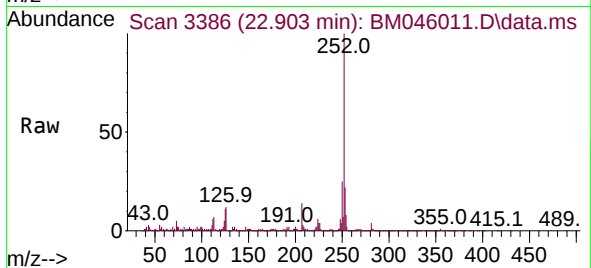
Tgt Ion:252 Resp: 1061621

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 11.1 8.4 12.6



#91

Benzo(k)fluoranthene

Concen: 29.295 ng/ul

RT: 22.903 min Scan# 3386

Delta R.T. -0.053 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

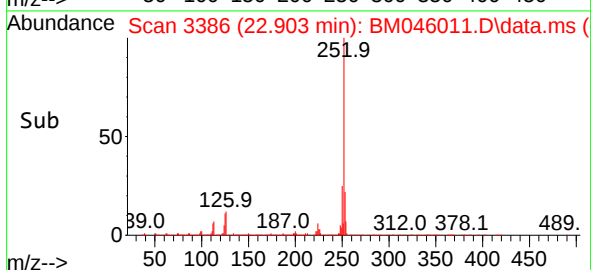
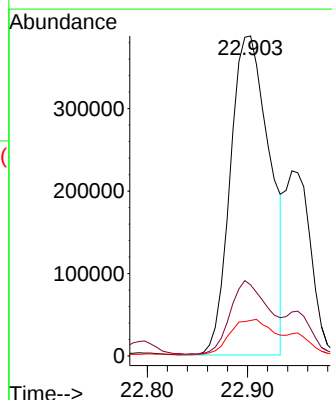
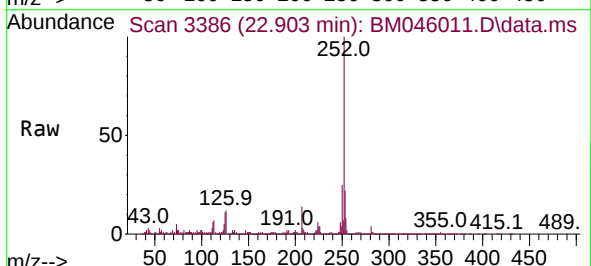
Tgt Ion:252 Resp: 1061621

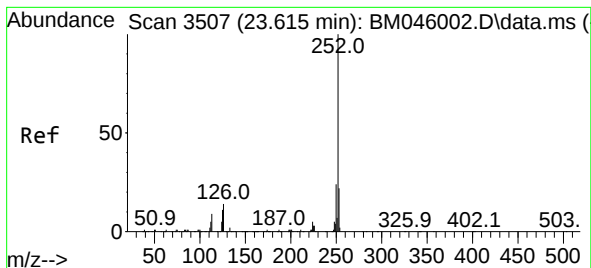
Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

125 11.1 8.2 12.4





#93

Benzo(a)pyrene

Concen: 13.243 ng/ul

RT: 23.615 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

Instrument :

BNA_M

ClientSampleId :

BHC39

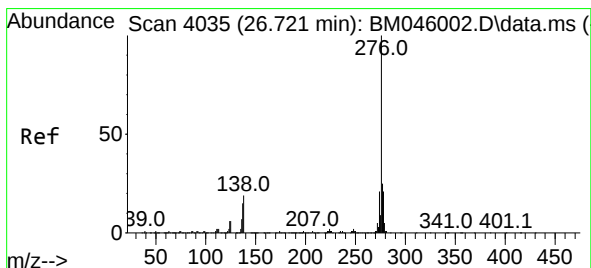
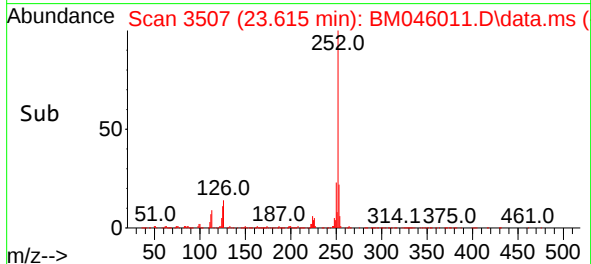
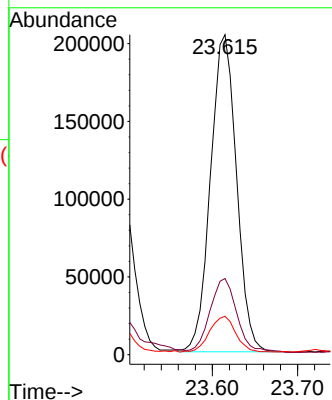
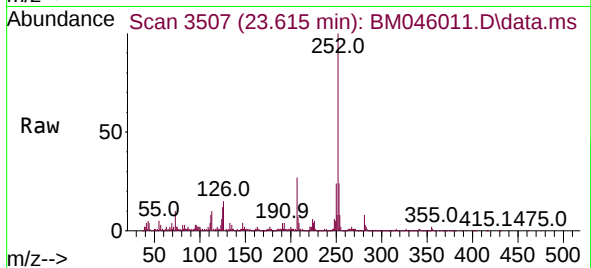
Tgt Ion:252 Resp: 431751

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.0 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.844 ng/ul

RT: 26.720 min Scan# 4035

Delta R.T. -0.006 min

Lab File: BM046011.D

Acq: 13 Jun 2024 00:34

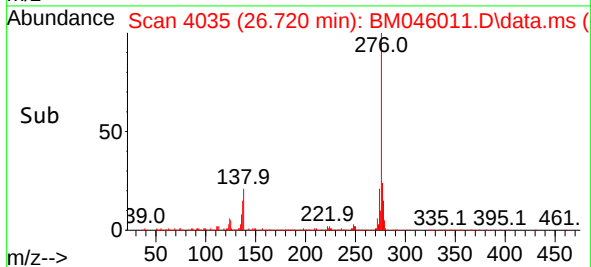
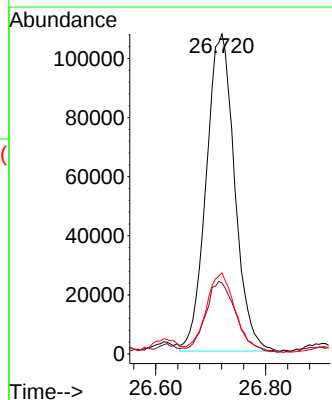
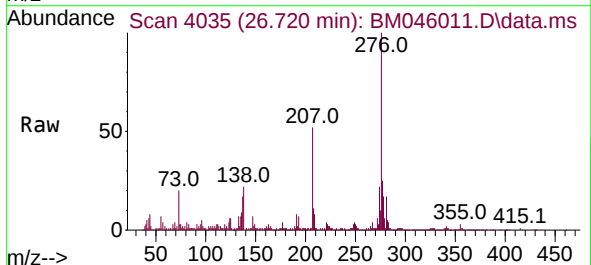
Tgt Ion:276 Resp: 386096

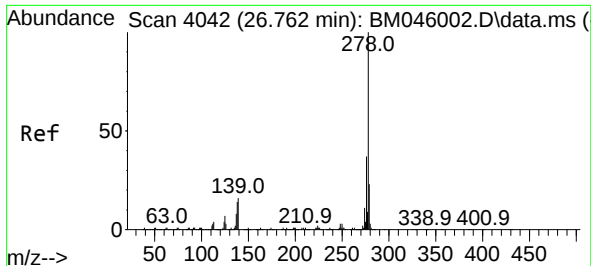
Ion Ratio Lower Upper

276 100

138 22.2 17.9 26.9

277 25.3 19.0 28.6

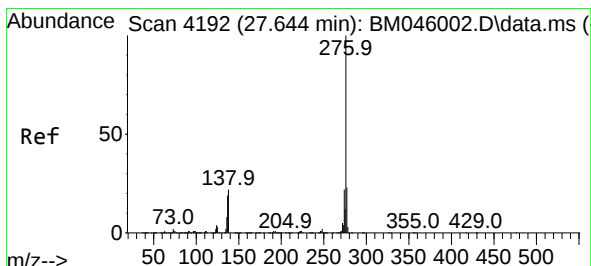
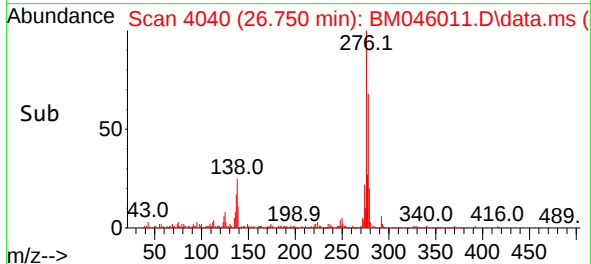
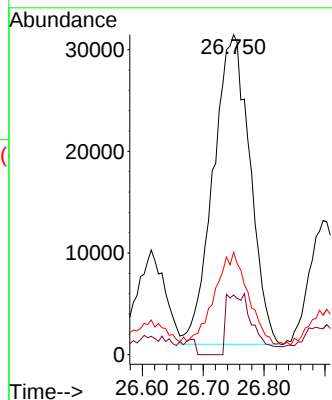
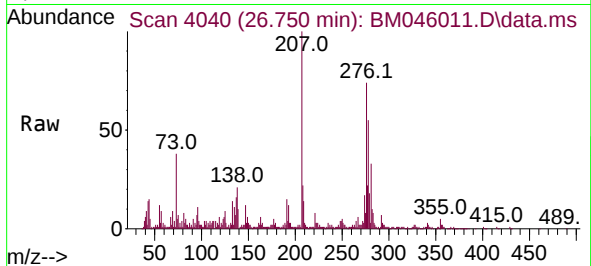




#95
Dibenzo(a,h)anthracene
Concen: 4.519 ng/ul
RT: 26.750 min Scan# 4042
Delta R.T. -0.024 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

Instrument :
BNA_M
ClientSampleId :
BHC39

Tgt Ion:278 Resp: 127252
Ion Ratio Lower Upper
278 100
139 18.7 13.2 19.8
279 32.1 19.1 28.7#



#96
Benzo(g,h,i)perylene
Concen: 1.574 ng/ul
RT: 27.638 min Scan# 4191
Delta R.T. -0.018 min
Lab File: BM046011.D
Acq: 13 Jun 2024 00:34

Tgt Ion:276 Resp: 49367
Ion Ratio Lower Upper
276 100
138 28.8 18.6 27.8#
277 28.9 18.7 28.1#

