

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046010.D
 Acq On : 12 Jun 2024 23:55
 Operator : MA/JU
 Sample : P2659-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC35

Quant Time: Jun 13 01:20:46 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	151572	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	636471	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	397108	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.827	188	819337	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	646572	20.000	ng/u1	0.00
88) Perylene-d12	23.738	264	636680	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	14309	3.660	ng/uL	0.00
4) Pyridine-d5	3.457	84	92363	9.176	ng/u1	0.00
7) Phenol-d5	6.687	99	388866	30.200	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	274795	29.720	ng/u1	0.00
11) 2-Chlorophenol-d4	6.993	132	308827	32.108	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	273732	28.138	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	156298	31.408	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	166354	33.030	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	291380	30.852	ng/u1	0.00
31) 4-Chloroaniline-d4	10.392	131	185886	14.221	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	825047	30.011	ng/u1	0.00
49) Acenaphthylene-d8	13.769	160	970112	30.388	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	128865	21.720	ng/u1	0.00
60) Fluorene-d10	15.080	176	719756	30.689	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	74495	17.805	ng/u1	0.00
73) Anthracene-d10	16.921	188	1136955	31.920	ng/u1	0.00
81) Pyrene-d10	19.221	212	1173055	29.174	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	680365	22.864	ng/u1	0.00

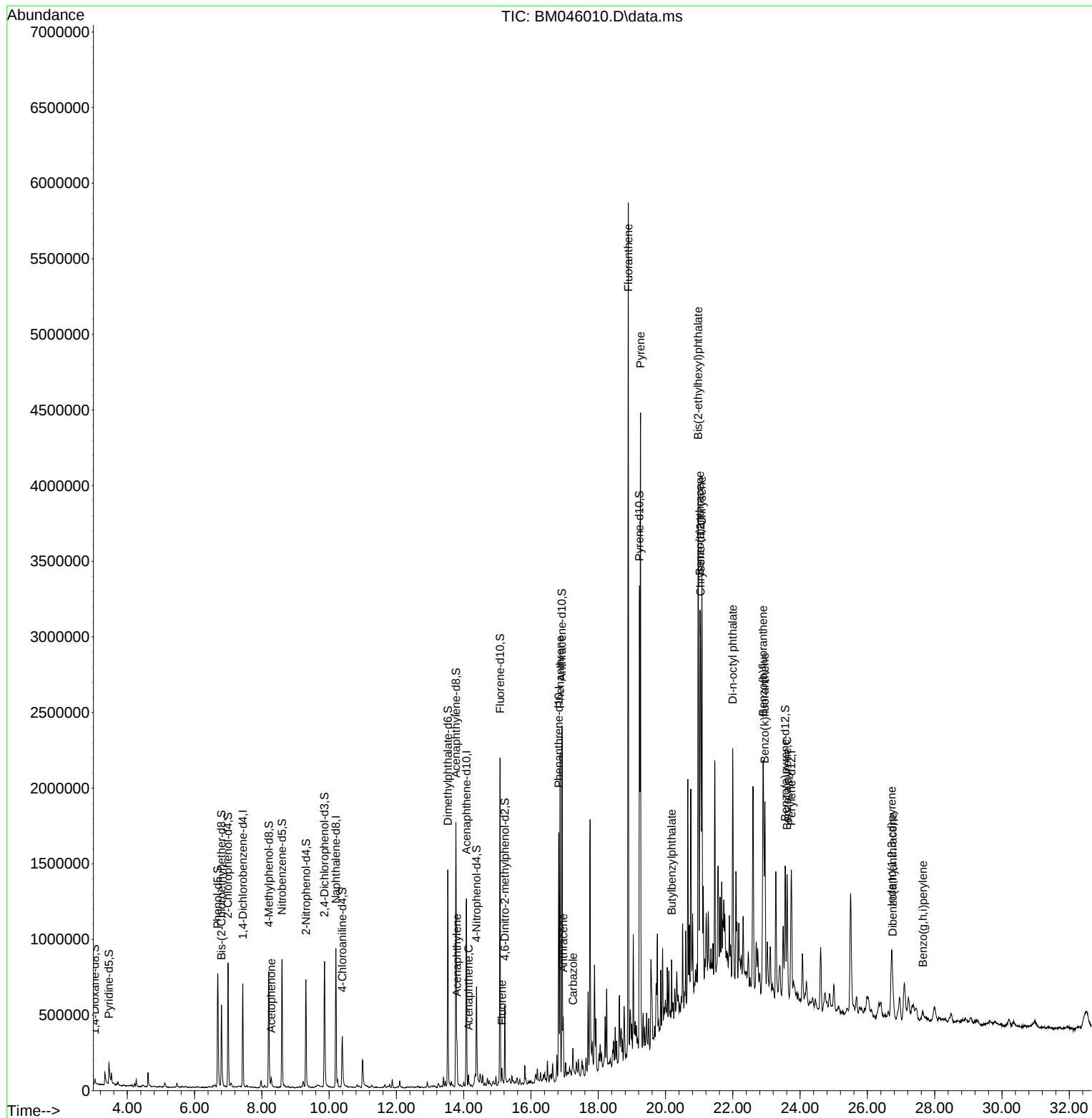
Target Compounds					Qvalue	
16) Acetophenone	8.281	105	23656	1.459	ng/u1	93
50) Acenaphthylene	13.798	152	176278	4.771	ng/u1	99
52) Acenaphthene	14.145	153	27006	1.095	ng/u1	96
61) Fluorene	15.139	166	37708	1.408	ng/u1#	97
72) Phenanthrene	16.868	178	1124220	26.041	ng/u1	100
74) Anthracene	16.957	178	225723	5.235	ng/u1	99
77) Carbazole	17.251	167	87819	2.387	ng/u1	96
80) Fluoranthene	18.892	202	2988296	61.304	ng/u1	99
82) Pyrene	19.256	202	2277816	45.481	ng/u1	98
83) Butylbenzylphthalate	20.180	149	103139	5.053	ng/u1	93
85) Benzo(a)anthracene	21.021	228	1141512	25.569	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	20.974	149	1626840	53.645	ng/u1#	89
87) Chrysene	21.080	228	1251668	30.307	ng/u1	97
89) Di-n-octyl phthalate	21.997	149	1104734	22.688	ng/u1	100
90) Benzo(b)fluoranthene	22.897	252	1438353	36.761	ng/u1	99
91) Benzo(k)fluoranthene	22.950	252	464182	12.146	ng/u1	96
93) Benzo(a)pyrene	23.615	252	598528	17.408	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.721	276	544010	14.489	ng/u1	99
95) Dibenzo(a,h)anthracene	26.756	278	176748	5.952	ng/u1	95
96) Benzo(g,h,i)perylene	27.650	276	73688	2.228	ng/u1	96

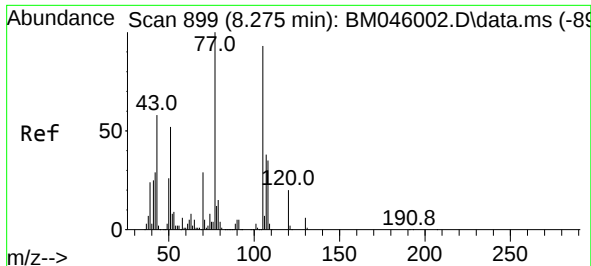
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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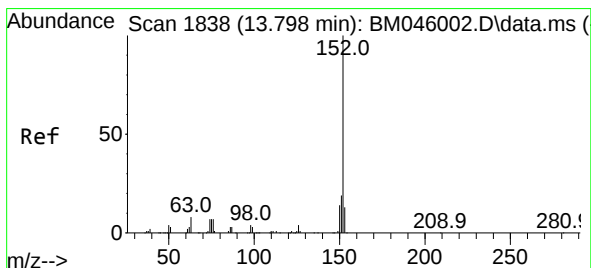
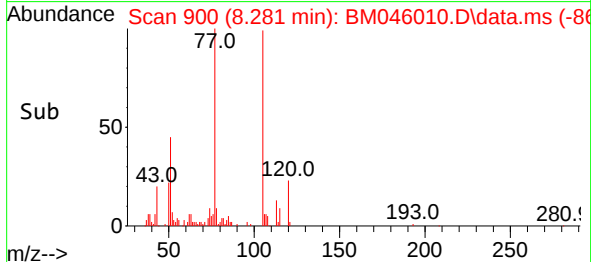
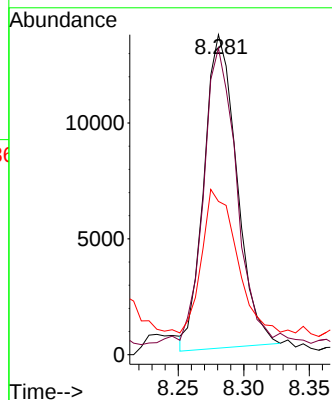
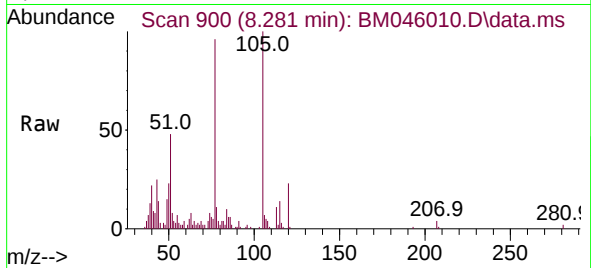




#16
Acetophenone
Concen: 1.459 ng/ul
RT: 8.281 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM046010.D
Acq: 12 Jun 2024 23:55

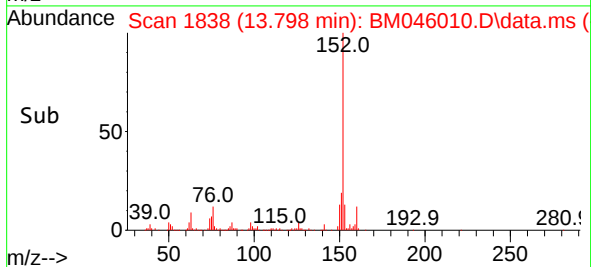
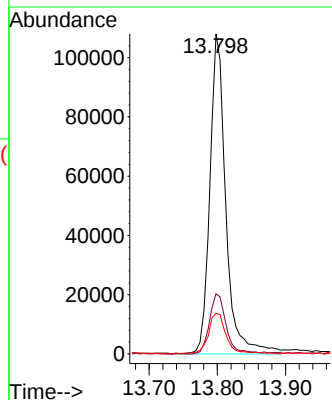
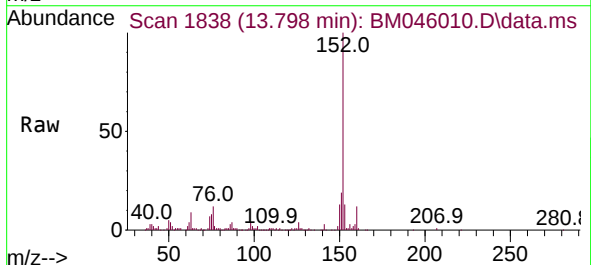
Instrument :
BNA_M
ClientSampleId :
BHC35

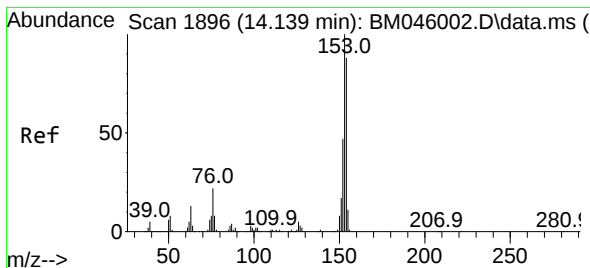
Tgt Ion:105 Resp: 23656
Ion Ratio Lower Upper
105 100
77 95.8 84.7 127.1
51 47.9 39.4 59.0



#50
Acenaphthylene
Concen: 4.771 ng/ul
RT: 13.798 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BM046010.D
Acq: 12 Jun 2024 23:55

Tgt Ion:152 Resp: 176278
Ion Ratio Lower Upper
152 100
151 18.8 15.6 23.4
153 12.7 10.4 15.6





#52

Acenaphthene

Concen: 1.095 ng/ul

RT: 14.145 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Instrument :

BNA_M

ClientSampleId :

BHC35

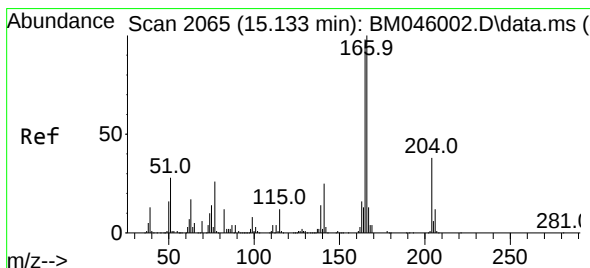
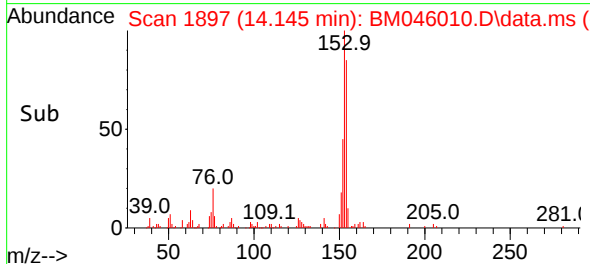
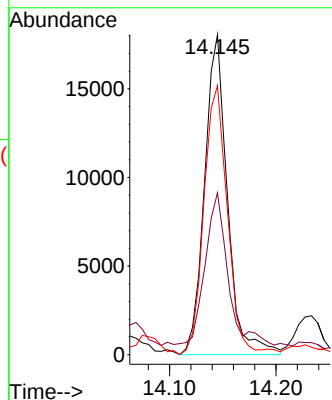
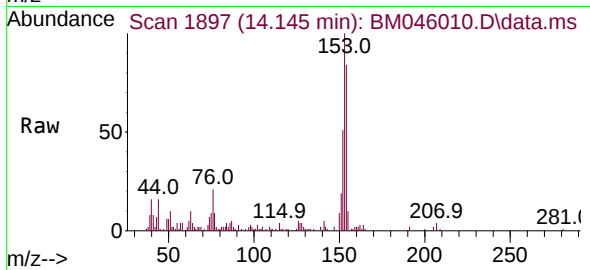
Tgt Ion:153 Resp: 27006

Ion Ratio Lower Upper

153 100

152 50.6 38.6 58.0

154 84.1 70.7 106.1



#61

Fluorene

Concen: 1.408 ng/ul

RT: 15.139 min Scan# 2066

Delta R.T. 0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

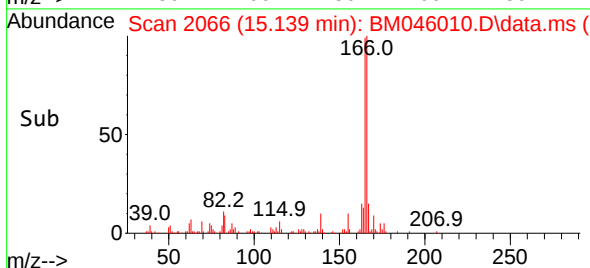
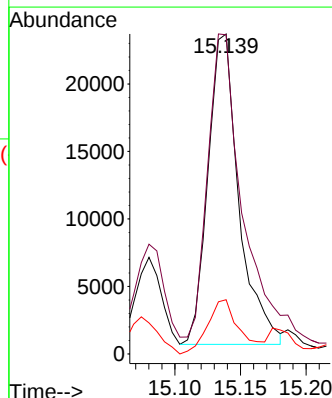
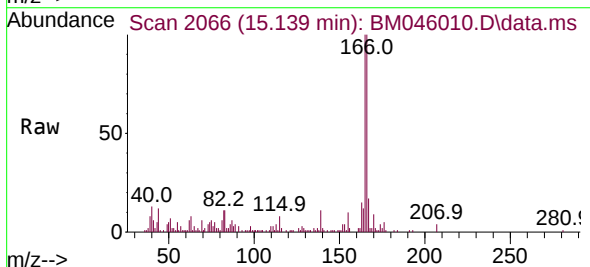
Tgt Ion:166 Resp: 37708

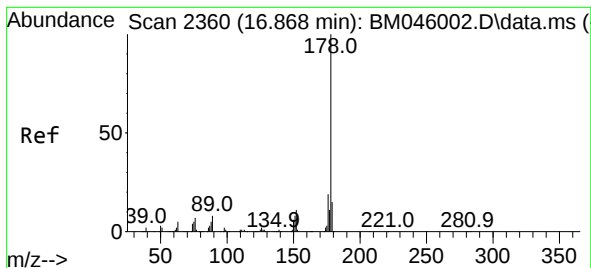
Ion Ratio Lower Upper

166 100

165 99.7 78.1 117.1

167 16.9 10.6 16.0#





#72

Phenanthrene

Concen: 26.041 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Instrument :

BNA_M

ClientSampleId :

BHC35

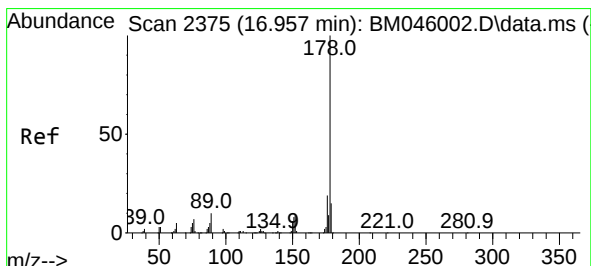
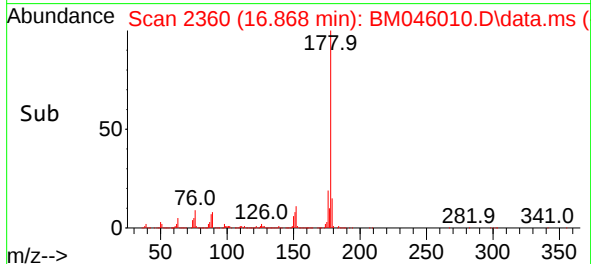
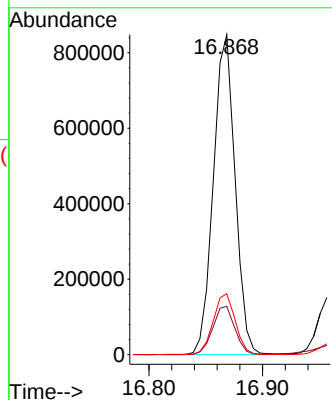
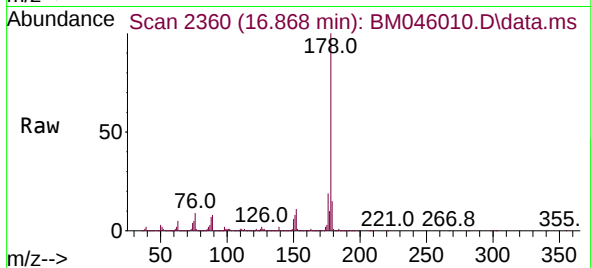
Tgt Ion:178 Resp: 1124220

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

176 19.1 15.3 22.9



#74

Anthracene

Concen: 5.235 ng/ul

RT: 16.957 min Scan# 2375

Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

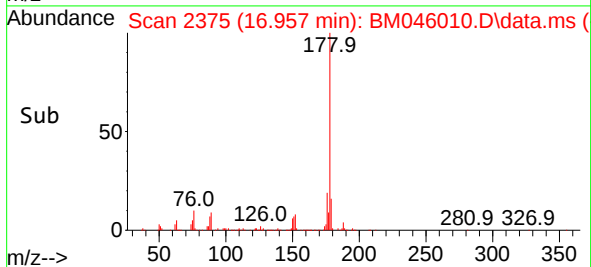
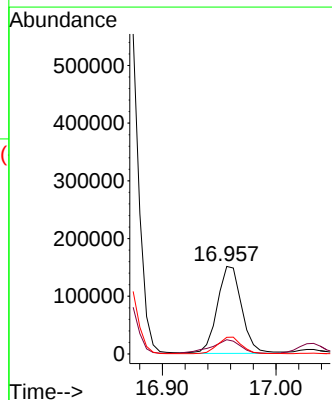
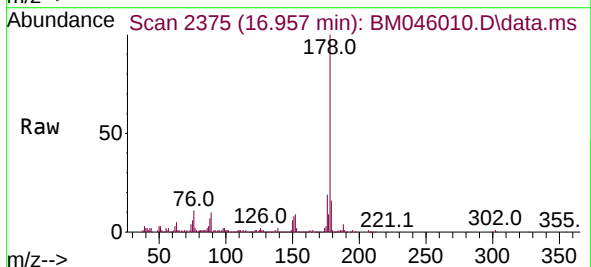
Tgt Ion:178 Resp: 225723

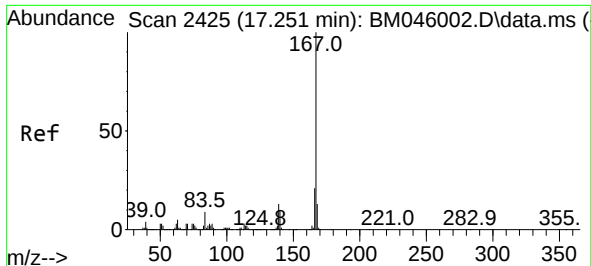
Ion Ratio Lower Upper

178 100

179 16.2 12.0 18.0

176 18.9 15.0 22.6

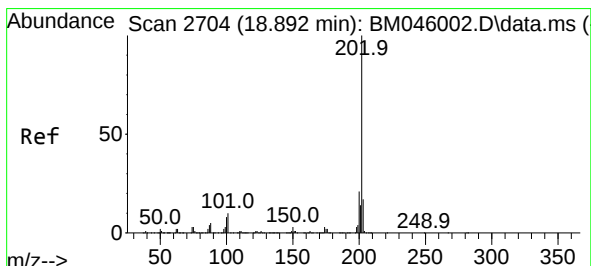
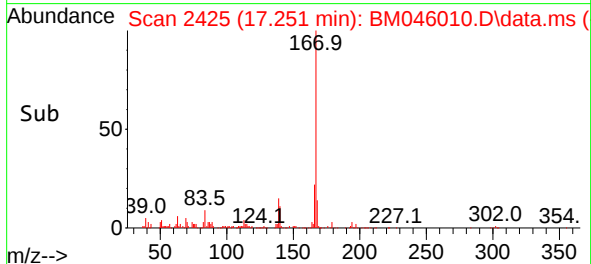
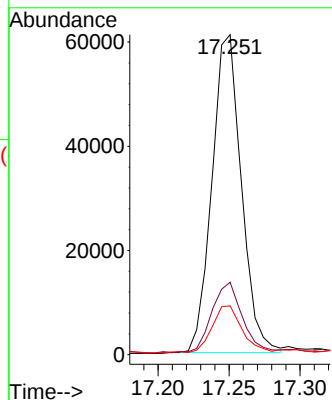
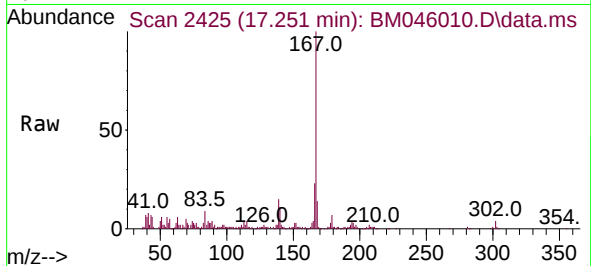




#77
 Carbazole
 Concen: 2.387 ng/ul
 RT: 17.251 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

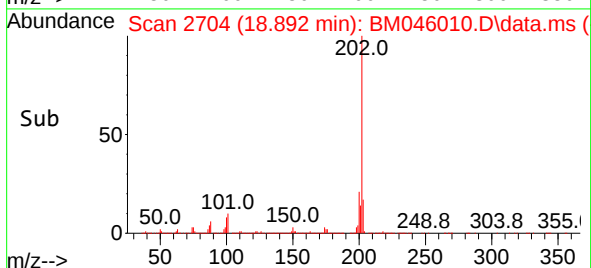
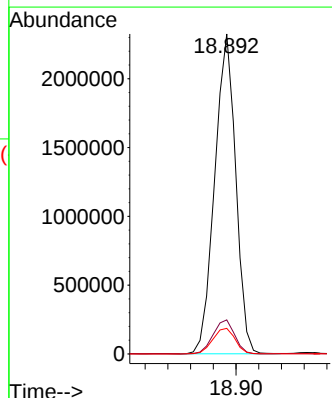
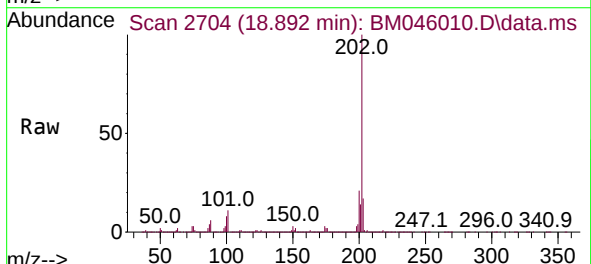
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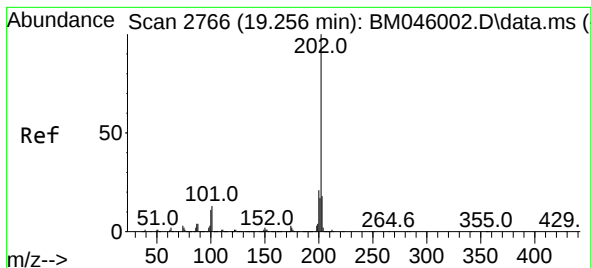
Tgt Ion:167 Resp: 87819
 Ion Ratio Lower Upper
 167 100
 166 22.6 16.6 24.8
 139 15.3 10.6 16.0



#80
 Fluoranthene
 Concen: 61.304 ng/ul
 RT: 18.892 min Scan# 2704
 Delta R.T. -0.000 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

Tgt Ion:202 Resp: 2988296
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.9 13.3
 100 8.0 6.6 10.0





#82

Pyrene

Concen: 45.481 ng/ul

RT: 19.256 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Instrument :

BNA_M

ClientSampleId :

BHC35

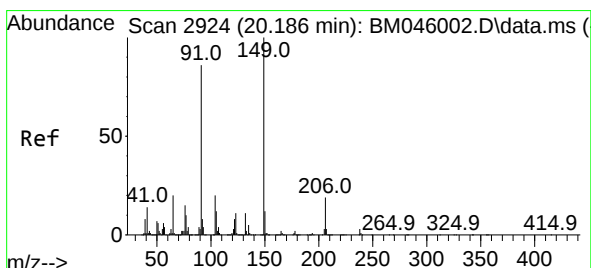
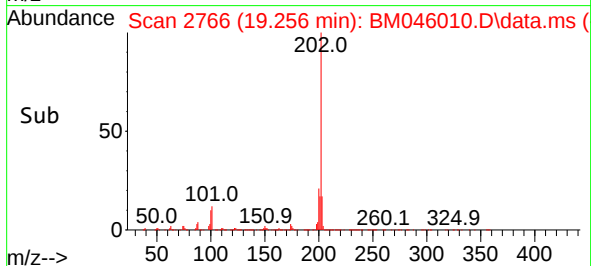
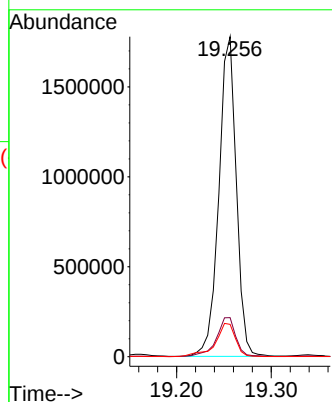
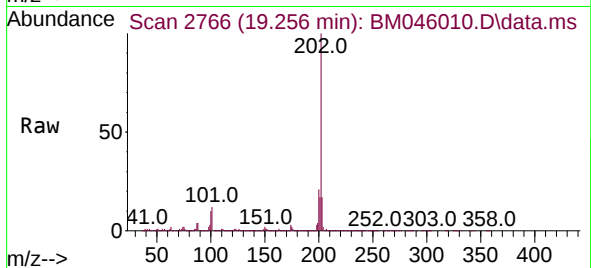
Tgt Ion:202 Resp: 2277816

Ion Ratio Lower Upper

202 100

101 12.2 10.5 15.7

100 10.1 8.6 12.8



#83

Butylbenzylphthalate

Concen: 5.053 ng/ul

RT: 20.180 min Scan# 2923

Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

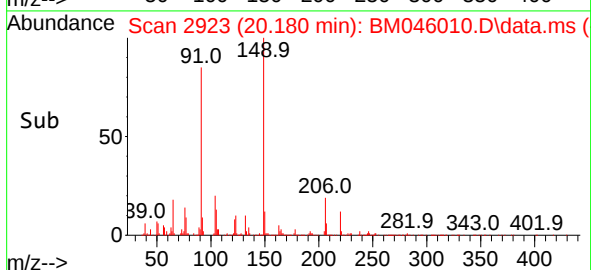
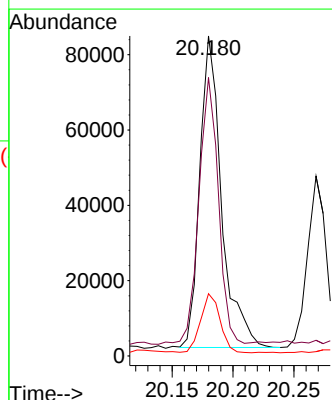
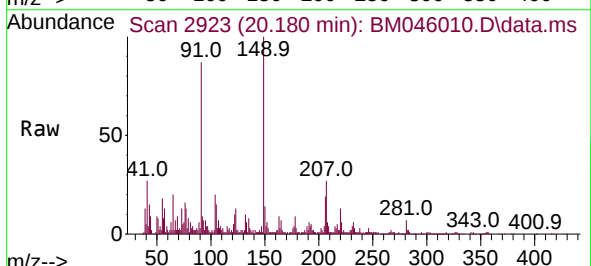
Tgt Ion:149 Resp: 103139

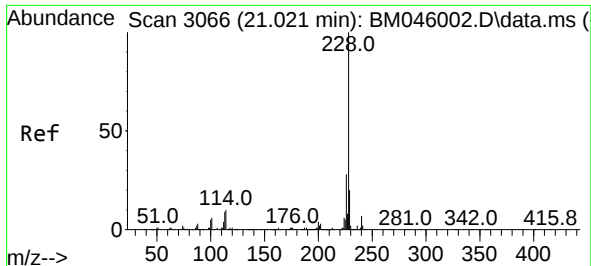
Ion Ratio Lower Upper

149 100

91 87.0 63.7 95.5

206 19.4 15.9 23.9

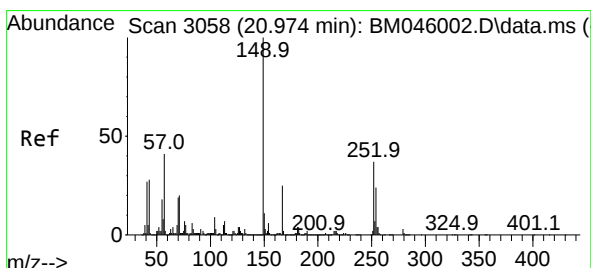
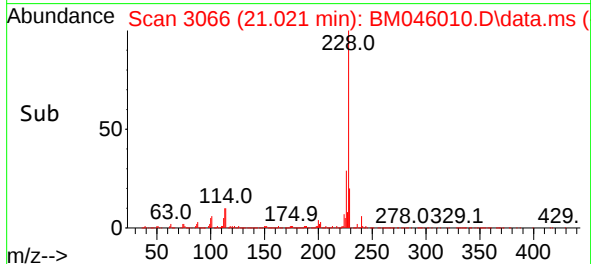
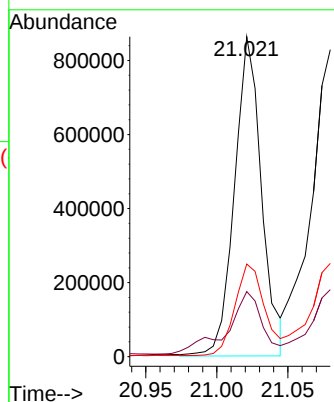
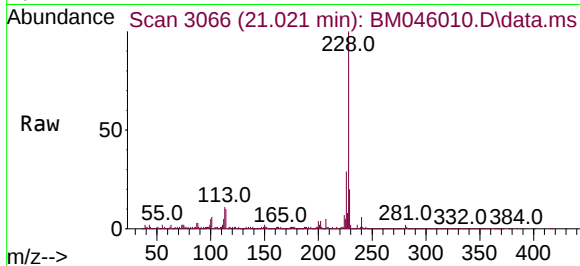




#85
 Benzo(a)anthracene
 Concen: 25.569 ng/ul
 RT: 21.021 min Scan# 3066
 Delta R.T. -0.006 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

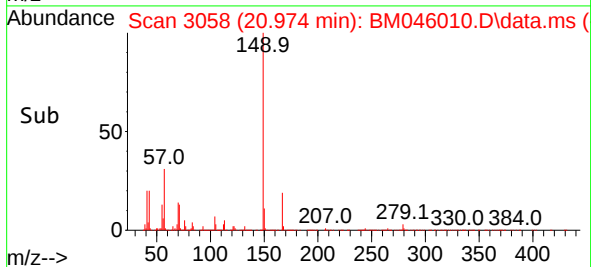
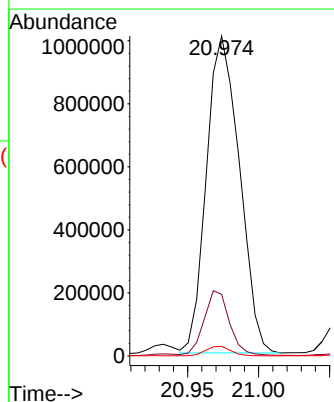
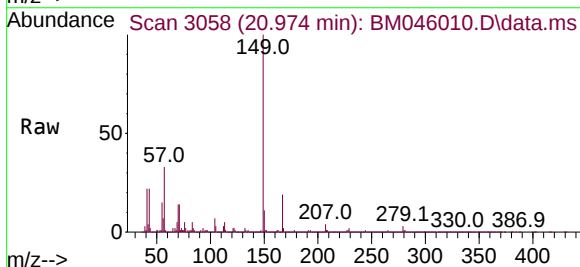
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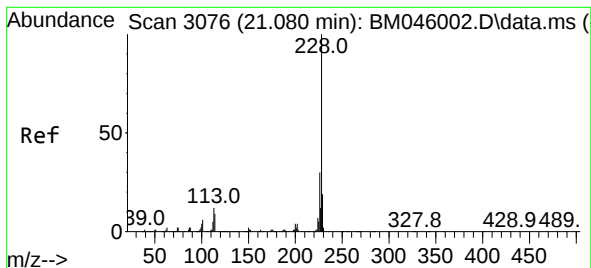
Tgt Ion:228 Resp: 1141512
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.8 23.8
 226 28.9 21.4 32.0



#86
 Bis(2-ethylhexyl)phthalate
 Concen: 53.645 ng/ul
 RT: 20.974 min Scan# 3058
 Delta R.T. -0.006 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

Tgt Ion:149 Resp: 1626840
 Ion Ratio Lower Upper
 149 100
 167 19.2 20.4 30.6#
 279 3.0 3.1 4.7#





#87

Chrysene

Concen: 30.307 ng/ul

RT: 21.080 min Scan# 3076

Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Instrument :

BNA_M

ClientSampleId :

BHC35

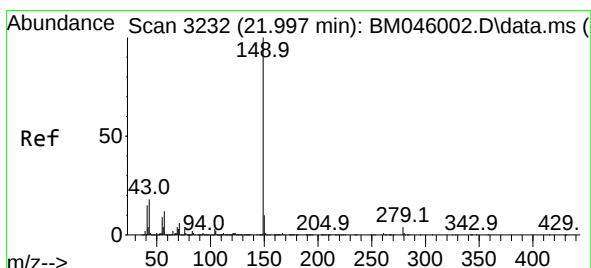
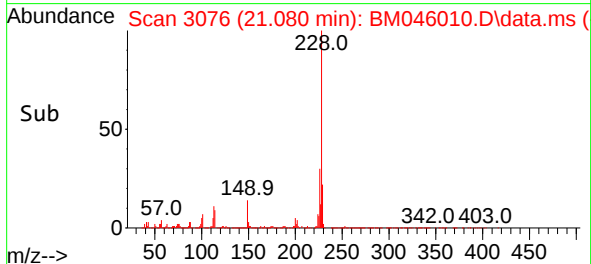
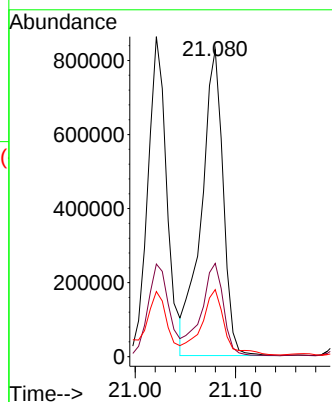
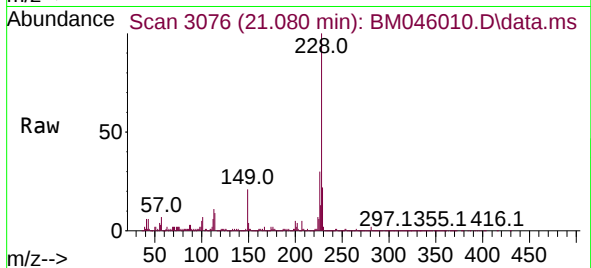
Tgt Ion:228 Resp: 1251668

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.8 15.2 22.8



#89

Di-n-octyl phthalate

Concen: 22.688 ng/ul

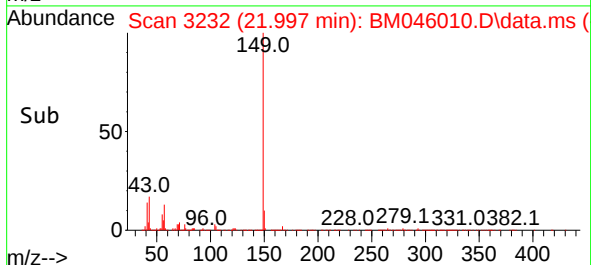
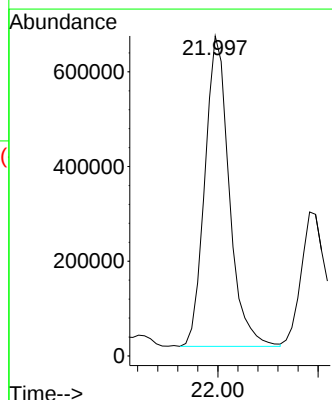
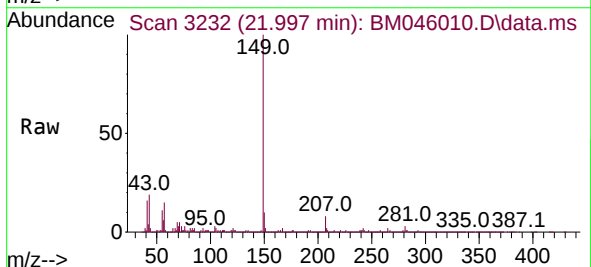
RT: 21.997 min Scan# 3232

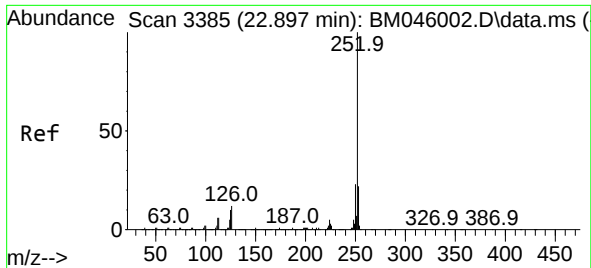
Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Tgt Ion:149 Resp: 1104734

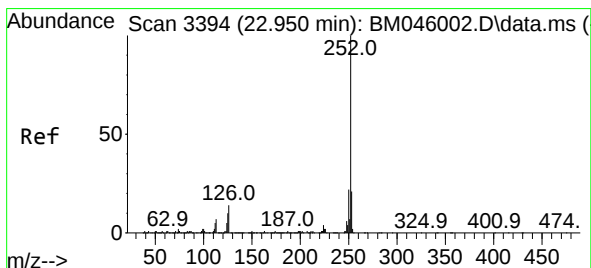
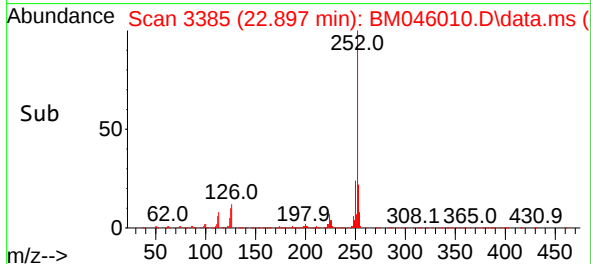
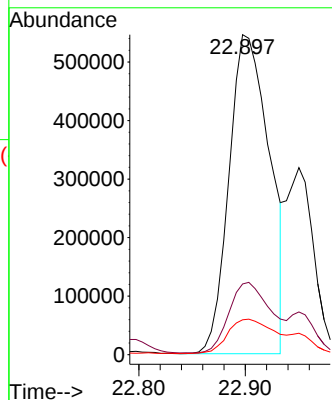
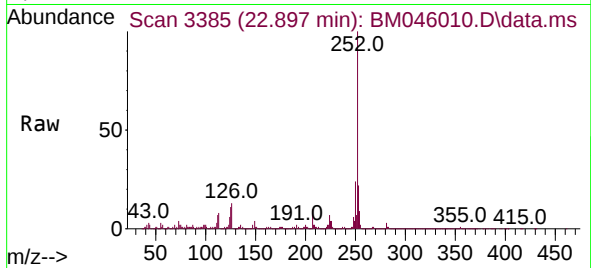




#90
Benzo(b)fluoranthene
Concen: 36.761 ng/ul
RT: 22.897 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM046010.D
Acq: 12 Jun 2024 23:55

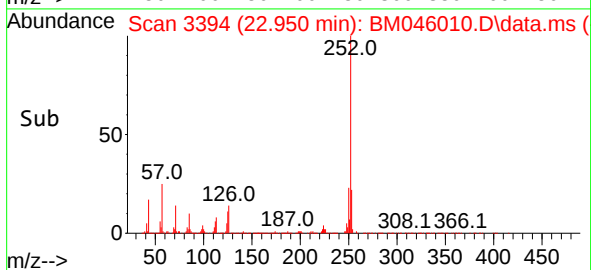
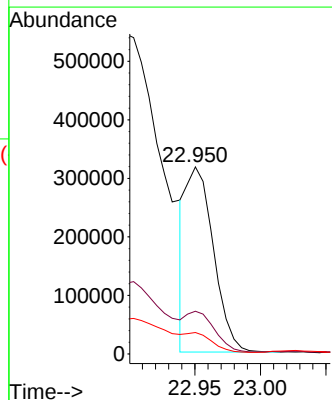
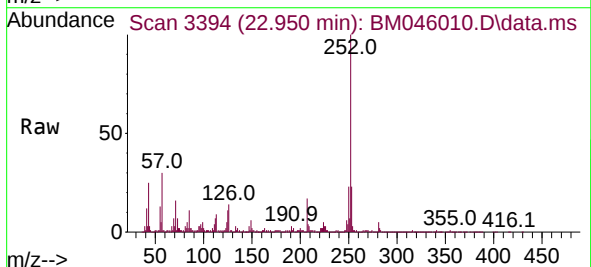
Instrument :
BNA_M
ClientSampleId :
BHC35

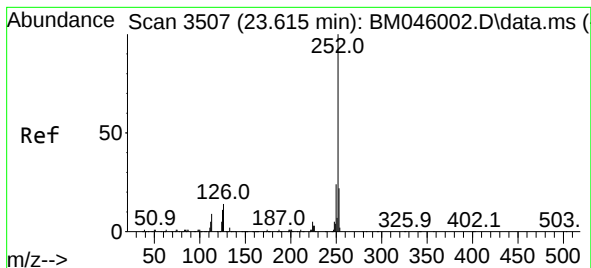
Tgt Ion:252 Resp: 1438353
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.9 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 12.146 ng/ul
RT: 22.950 min Scan# 3394
Delta R.T. -0.006 min
Lab File: BM046010.D
Acq: 12 Jun 2024 23:55

Tgt Ion:252 Resp: 464182
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 11.4 8.2 12.4





#93

Benzo(a)pyrene

Concen: 17.408 ng/ul

RT: 23.615 min Scan# 3507

Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

Instrument :

BNA_M

ClientSampleId :

BHC35

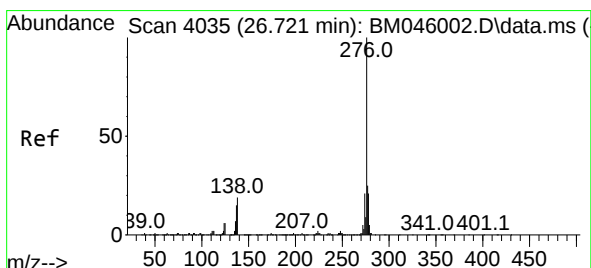
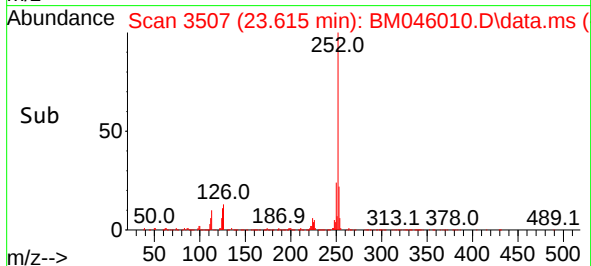
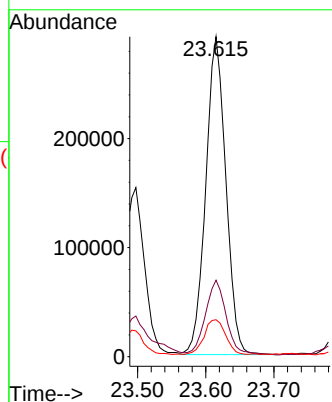
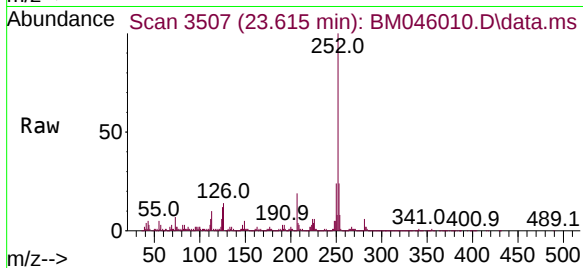
Tgt Ion:252 Resp: 598528

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 11.6 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.489 ng/ul

RT: 26.721 min Scan# 4035

Delta R.T. -0.006 min

Lab File: BM046010.D

Acq: 12 Jun 2024 23:55

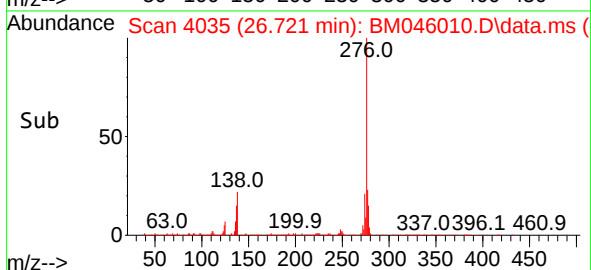
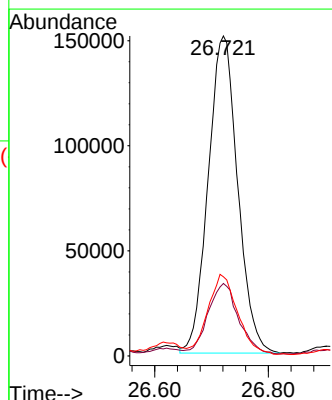
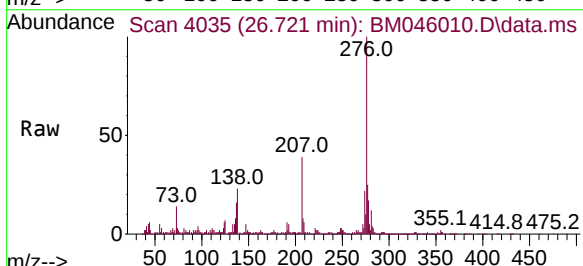
Tgt Ion:276 Resp: 544010

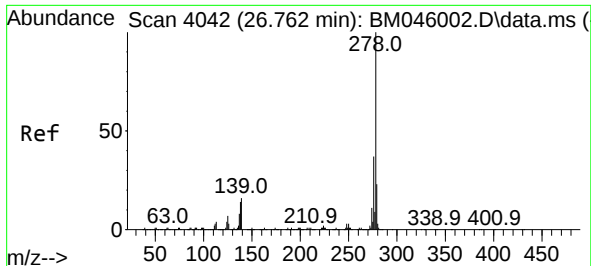
Ion Ratio Lower Upper

276 100

138 22.6 17.9 26.9

277 24.7 19.0 28.6

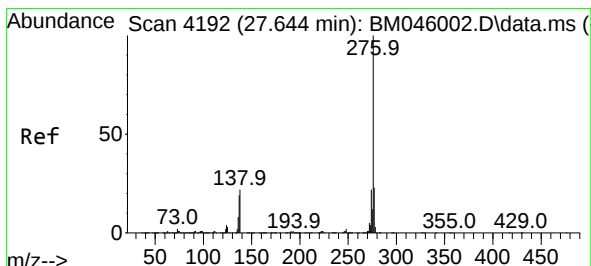
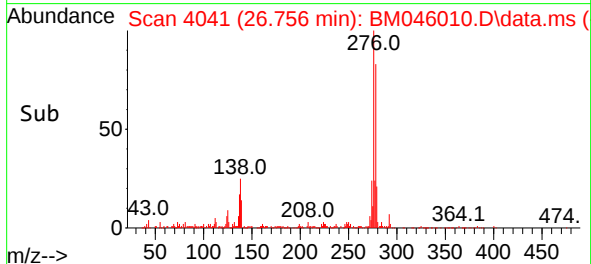
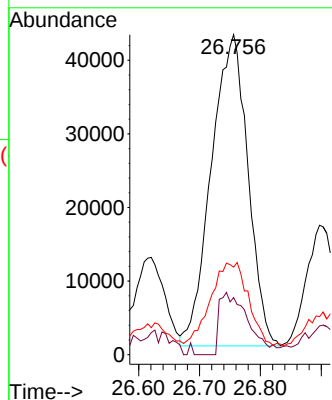
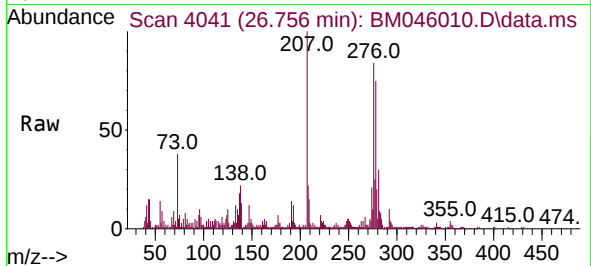




#95
 Dibenzo(a,h)anthracene
 Concen: 5.952 ng/ul
 RT: 26.756 min Scan# 4042
 Delta R.T. -0.018 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

Instrument :
 BNA_M
 ClientSampleId :
 BHC35

Tgt Ion:278 Resp: 176748
 Ion Ratio Lower Upper
 278 100
 139 17.8 13.2 19.8
 279 27.3 19.1 28.7



#96
 Benzo(g,h,i)perylene
 Concen: 2.228 ng/ul
 RT: 27.650 min Scan# 4193
 Delta R.T. -0.006 min
 Lab File: BM046010.D
 Acq: 12 Jun 2024 23:55

Tgt Ion:276 Resp: 73688
 Ion Ratio Lower Upper
 276 100
 138 24.2 18.6 27.8
 277 25.9 18.7 28.1

