

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046006.D
 Acq On : 12 Jun 2024 21:18
 Operator : MA/JU
 Sample : P2659-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHC26

Quant Time: Jun 13 01:19:11 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	162947	20.000	ng/u1	0.00
20) Naphthalene-d8	10.198	136	689487	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.080	164	434633	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	905311	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	715283	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	688425	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.040	96	12490	2.972	ng/uL	0.00
4) Pyridine-d5	3.463	84	66384	6.134	ng/u1	0.01
7) Phenol-d5	6.692	99	300827	21.732	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	209157	21.042	ng/u1	0.00
11) 2-Chlorophenol-d4	6.998	132	235185	22.745	ng/u1	0.00
15) 4-Methylphenol-d8	8.204	113	214079	20.470	ng/u1	0.00
21) Nitrobenzene-d5	8.598	128	118679	22.015	ng/u1	0.00
24) 2-Nitrophenol-d4	9.310	143	127828	23.429	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.863	165	223477	21.843	ng/u1	0.00
31) 4-Chloroaniline-d4	10.398	131	112240	7.927	ng/u1	0.01
46) Dimethylphthalate-d6	13.527	166	684429	22.746	ng/u1	0.00
49) Acenaphthylene-d8	13.768	160	792820	22.690	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	88341	13.604	ng/u1	0.00
60) Fluorene-d10	15.080	176	594241	23.150	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	57999	12.546	ng/u1	0.00
73) Anthracene-d10	16.921	188	912287	23.180	ng/u1	0.00
81) Pyrene-d10	19.227	212	956782	21.509	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	536350	16.670	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.286	105	24866	1.427	ng/u1	91
30) Naphthalene	10.251	128	42356	1.152	ng/u1	95
37) 1-Methylnaphthalene	12.098	142	28726	1.180	ng/u1#	98
50) Acenaphthylene	13.798	152	419554	10.375	ng/u1	99
52) Acenaphthene	14.145	153	48955	1.814	ng/u1	95
56) Dibenzofuran	14.486	168	47838	1.315	ng/u1	99
61) Fluorene	15.133	166	115859	3.951	ng/u1#	97
72) Phenanthrene	16.868	178	3148482	66.003	ng/u1	99
74) Anthracene	16.956	178	544315	11.424	ng/u1	99
77) Carbazole	17.245	167	235991	5.805	ng/u1	98
80) Fluoranthene	18.898	202	7014147	130.070	ng/u1	99
82) Pyrene	19.256	202	5137945	92.734	ng/u1	100
83) Butylbenzylphthalate	20.180	149	33815	1.498	ng/u1	95
85) Benzo(a)anthracene	21.027	228	2630842	53.268	ng/u1	94
86) Bis(2-ethylhexyl)phtha...	20.974	149	112194	3.344	ng/u1	97
87) Chrysene	21.080	228	2710460	59.324	ng/u1	97
90) Benzo(b)fluoranthene	22.909	252	3098590	73.241	ng/u1	99
91) Benzo(k)fluoranthene	22.909	252	3098590	74.985	ng/u1	97
93) Benzo(a)pyrene	23.615	252	1315691	35.390	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.732	276	1139406	28.065	ng/u1	98
95) Dibenzo(a,h)anthracene	26.756	278	367429	11.443	ng/u1#	93
96) Benzo(g,h,i)perylene	27.650	276	151860	4.247	ng/u1	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 16:01:34 2024
Response via : Initial Calibration

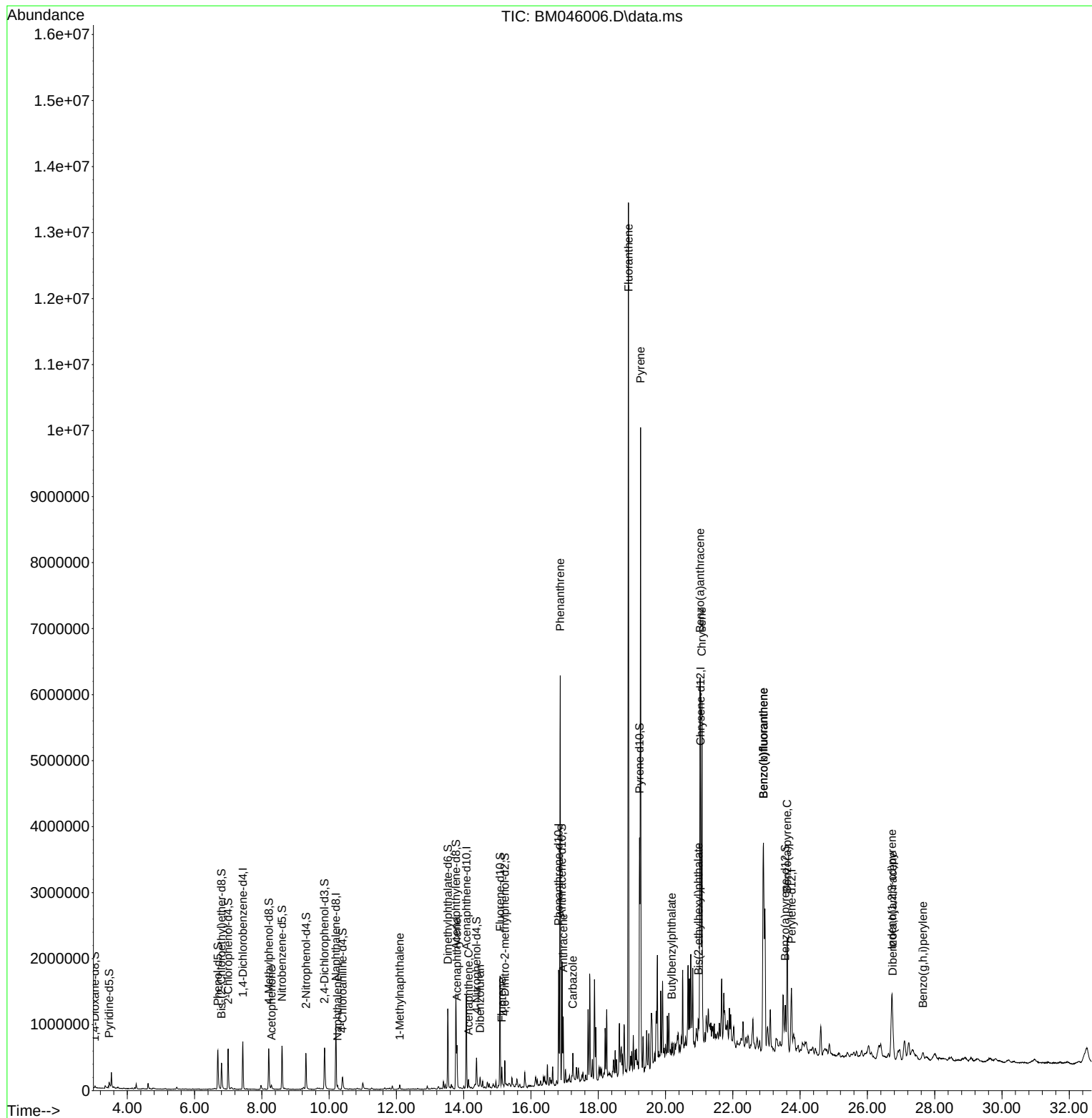
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

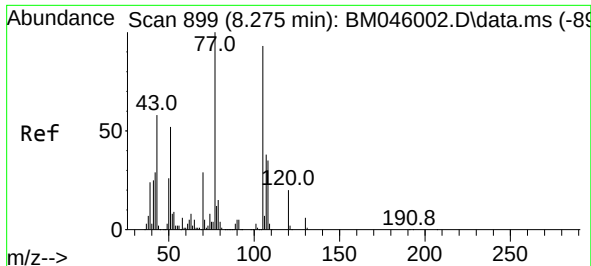
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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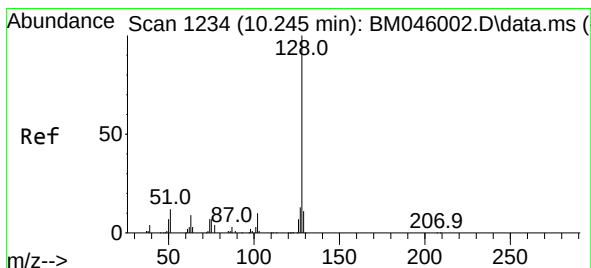
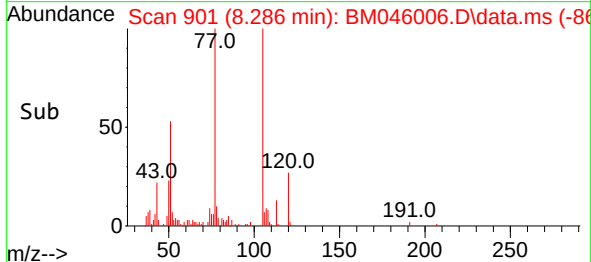
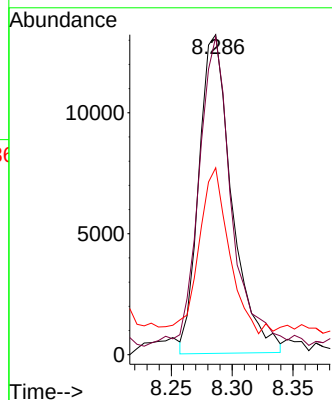
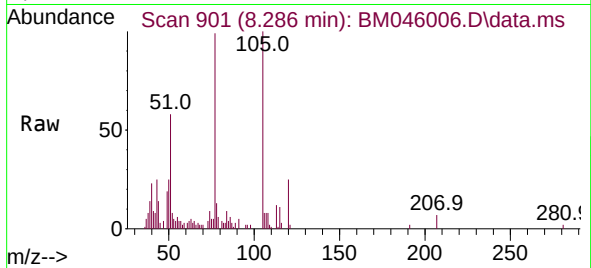




#16
Acetophenone
Concen: 1.427 ng/ul
RT: 8.286 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

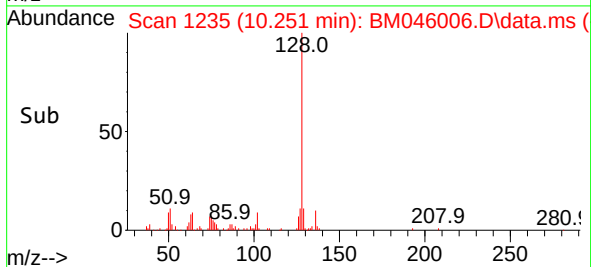
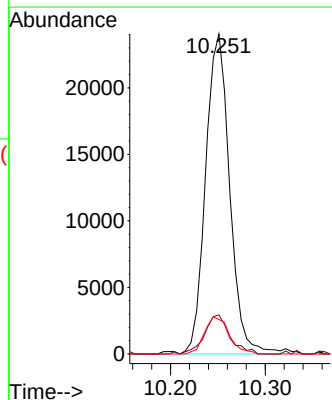
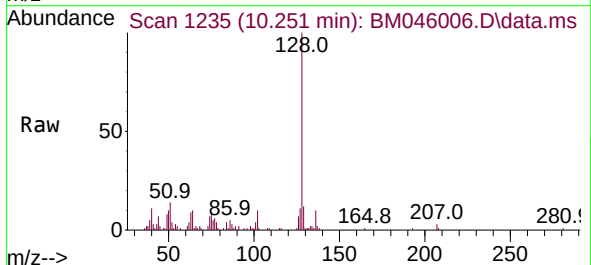
Instrument :
BNA_M
ClientSampleId :
BHC26

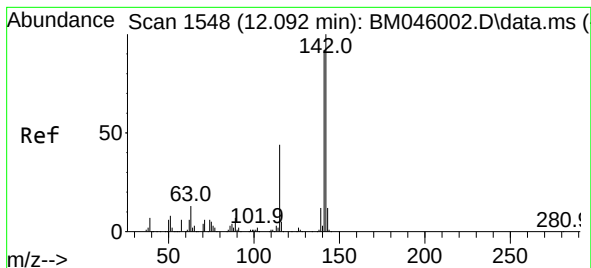
Tgt Ion:105 Resp: 24866
Ion Ratio Lower Upper
105 100
77 99.3 84.7 127.1
51 58.4 39.4 59.0



#30
Naphthalene
Concen: 1.152 ng/ul
RT: 10.251 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Tgt Ion:128 Resp: 42356
Ion Ratio Lower Upper
128 100
129 12.2 8.3 12.5
127 10.8 10.3 15.5





#37

1-Methylnaphthalene

Concen: 1.180 ng/ul

RT: 12.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

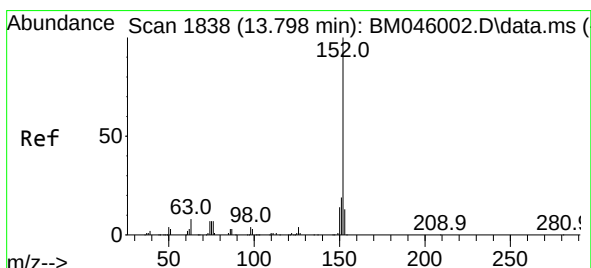
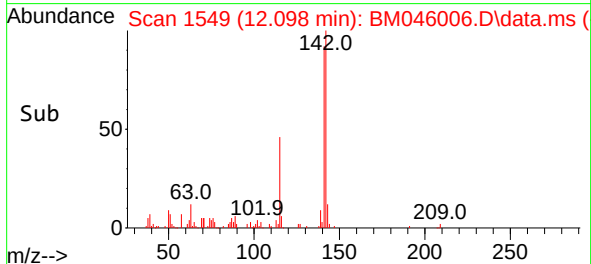
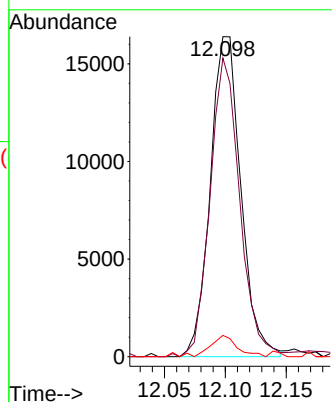
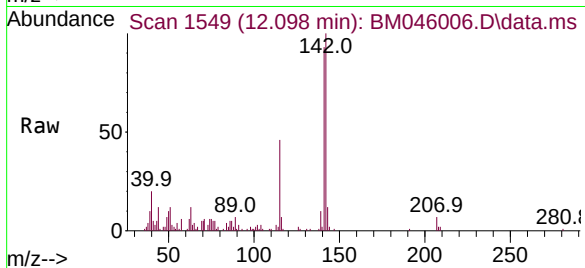
Tgt Ion:142 Resp: 28726

Ion Ratio Lower Upper

142 100

141 93.3 73.5 110.3

116 6.7 3.3 4.9#



#50

Acenaphthylene

Concen: 10.375 ng/ul

RT: 13.798 min Scan# 1838

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

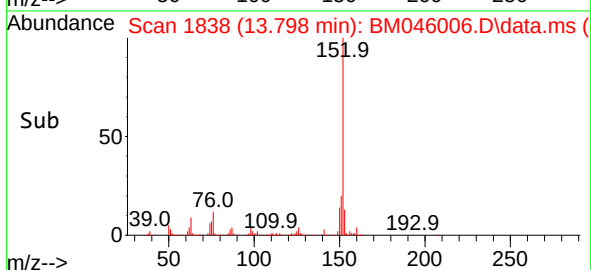
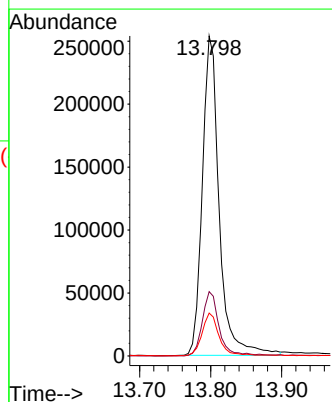
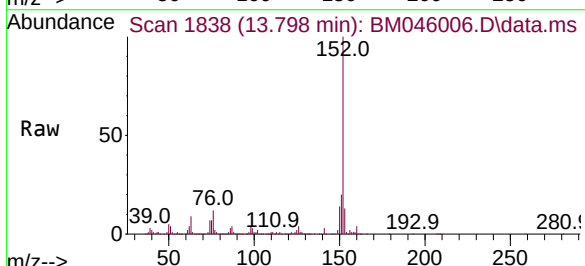
Tgt Ion:152 Resp: 419554

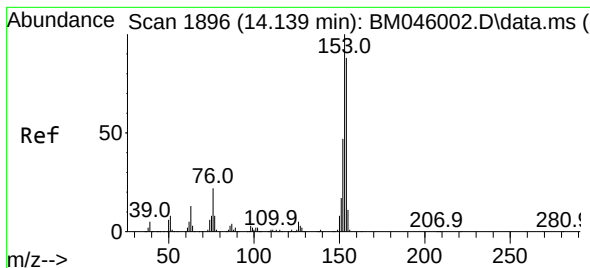
Ion Ratio Lower Upper

152 100

151 20.1 15.6 23.4

153 13.4 10.4 15.6





#52

Acenaphthene

Concen: 1.814 ng/ul

RT: 14.145 min Scan# 1897

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

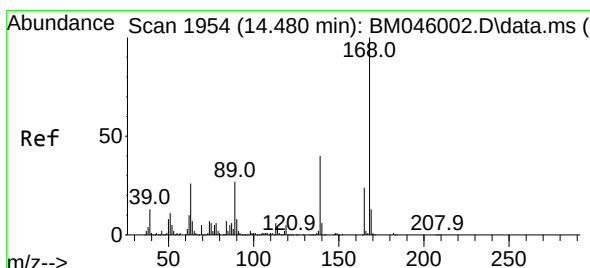
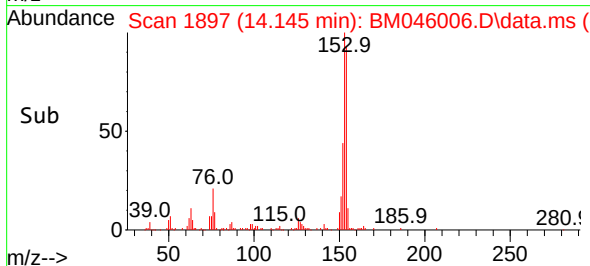
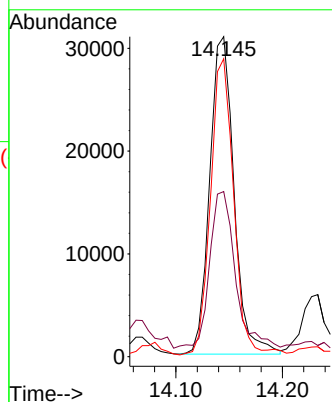
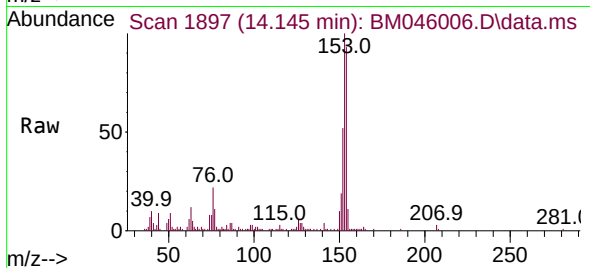
Tgt Ion:153 Resp: 48955

Ion Ratio Lower Upper

153 100

152 51.6 38.6 58.0

154 93.1 70.7 106.1



#56

Dibenzofuran

Concen: 1.315 ng/ul

RT: 14.486 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BM046006.D

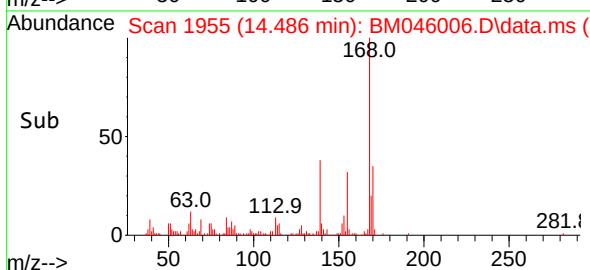
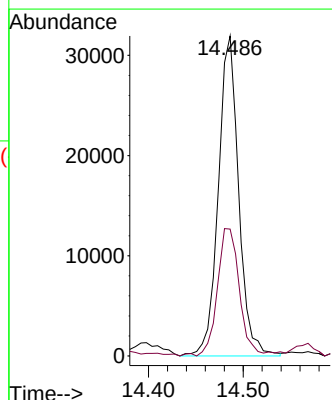
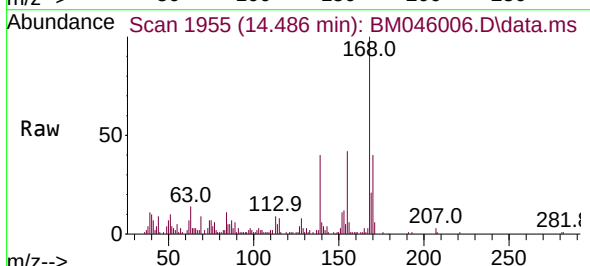
Acq: 12 Jun 2024 21:18

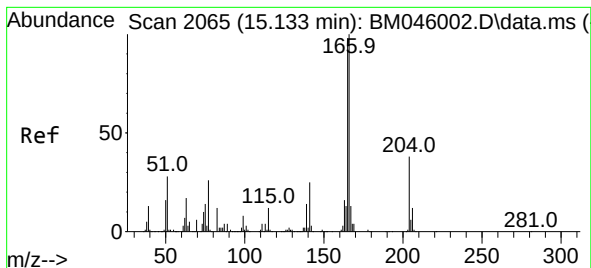
Tgt Ion:168 Resp: 47838

Ion Ratio Lower Upper

168 100

139 39.6 32.2 48.2





#61

Fluorene

Concen: 3.951 ng/ul

RT: 15.133 min Scan# 2065

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

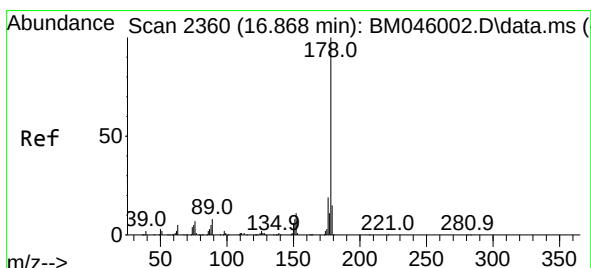
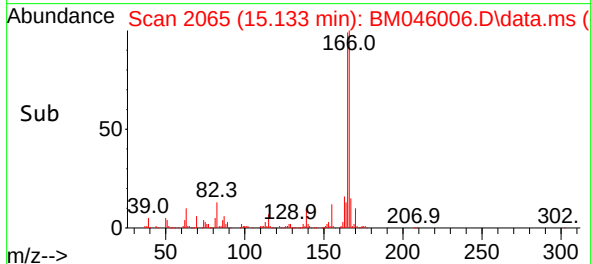
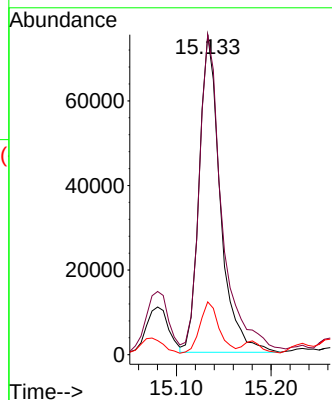
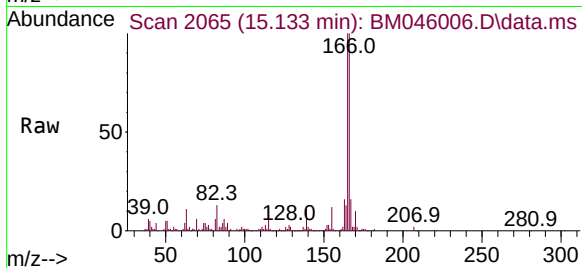
Tgt Ion:166 Resp: 115859

Ion Ratio Lower Upper

166 100

165 100.2 78.1 117.1

167 16.5 10.6 16.0#



#72

Phenanthrene

Concen: 66.003 ng/ul

RT: 16.868 min Scan# 2360

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

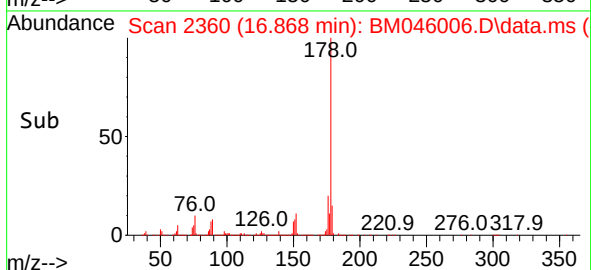
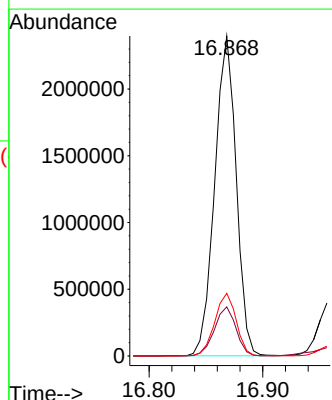
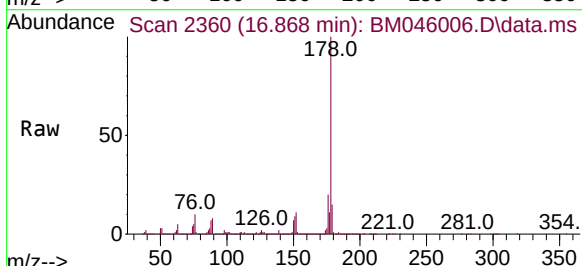
Tgt Ion:178 Resp: 3148482

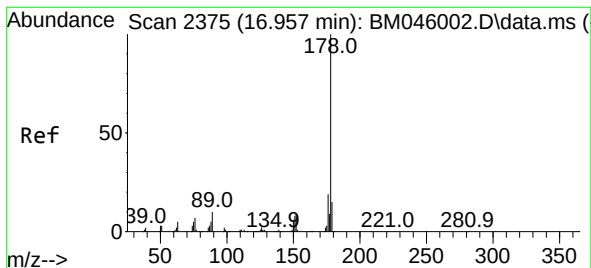
Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.6 15.3 22.9





#74

Anthracene

Concen: 11.424 ng/ul

RT: 16.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

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ClientSampleId :

BHC26

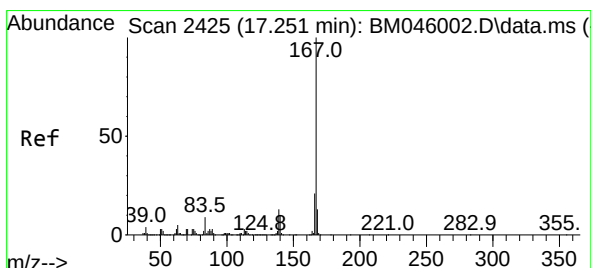
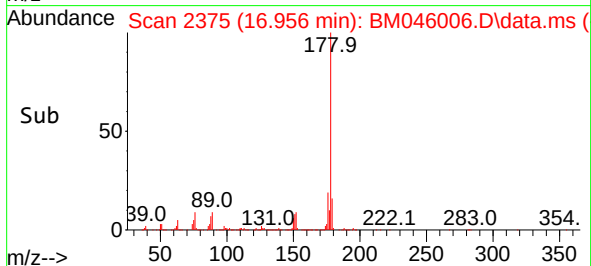
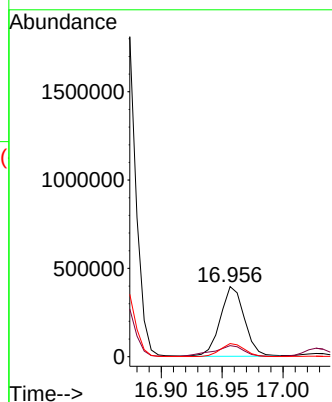
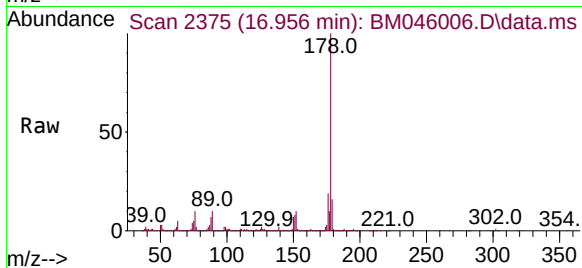
Tgt Ion:178 Resp: 544315

Ion Ratio Lower Upper

178 100

179 15.8 12.0 18.0

176 18.7 15.0 22.6



#77

Carbazole

Concen: 5.805 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

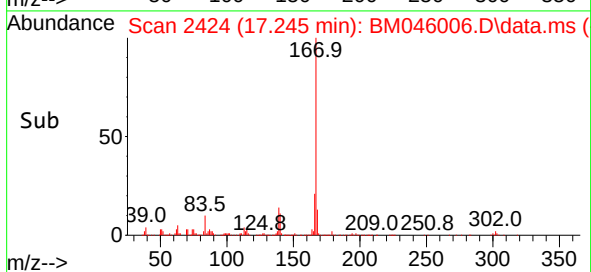
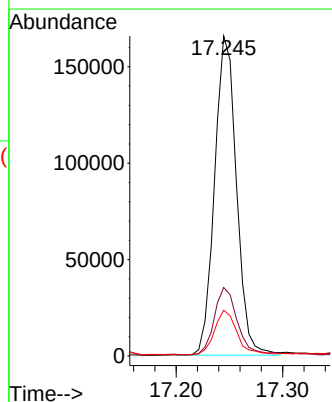
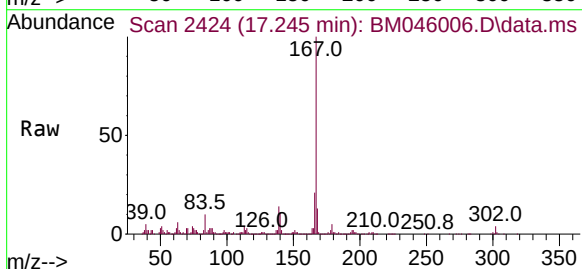
Tgt Ion:167 Resp: 235991

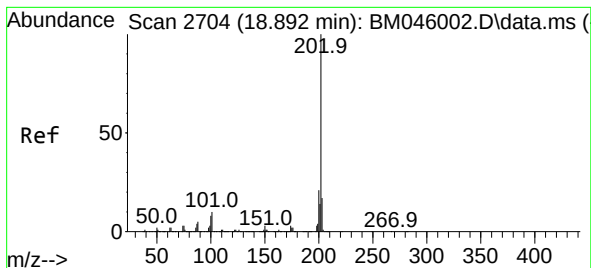
Ion Ratio Lower Upper

167 100

166 21.4 16.6 24.8

139 14.3 10.6 16.0





#80

Fluoranthene

Concen: 130.070 ng/u1

RT: 18.898 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM046006.D

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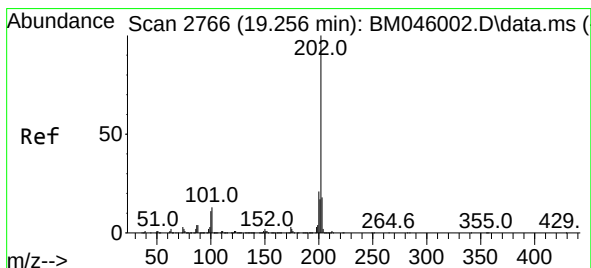
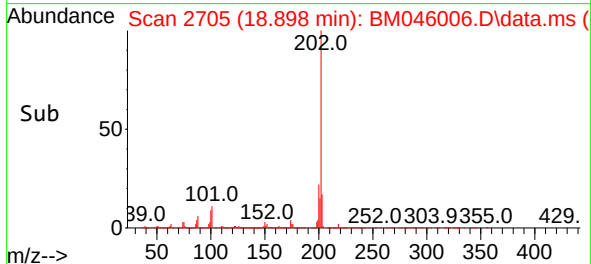
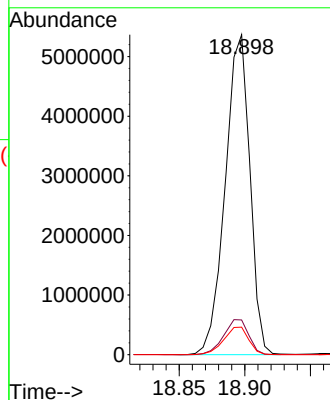
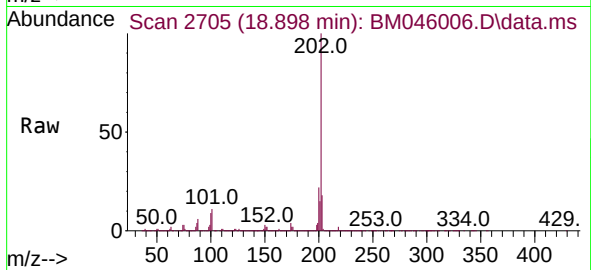
Tgt Ion:202 Resp: 7014147

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

100 8.6 6.6 10.0



#82

Pyrene

Concen: 92.734 ng/u1

RT: 19.256 min Scan# 2766

Delta R.T. -0.000 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

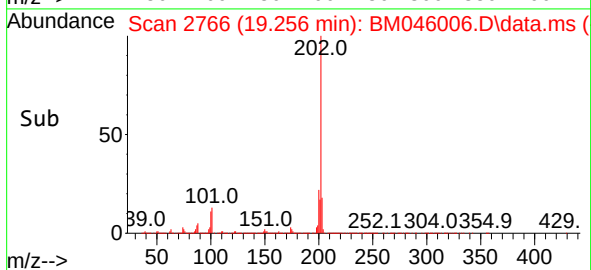
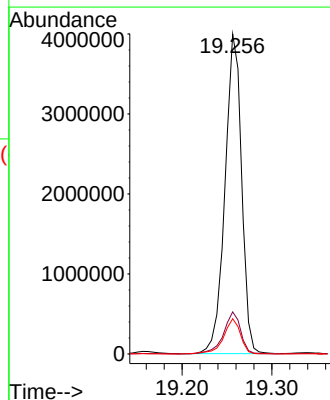
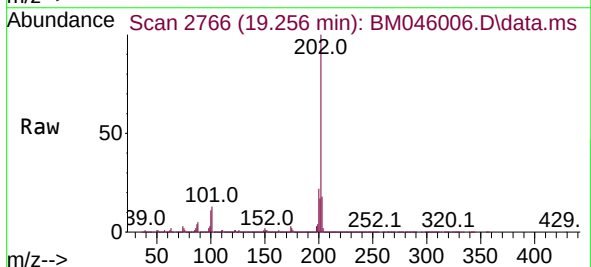
Tgt Ion:202 Resp: 5137945

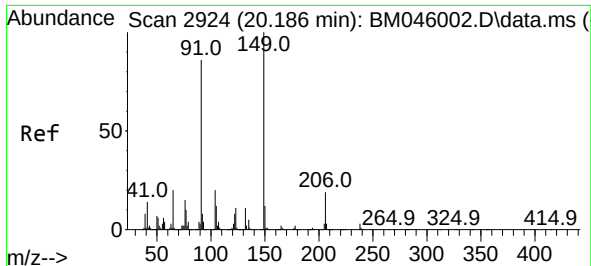
Ion Ratio Lower Upper

202 100

101 13.1 10.5 15.7

100 11.0 8.6 12.8

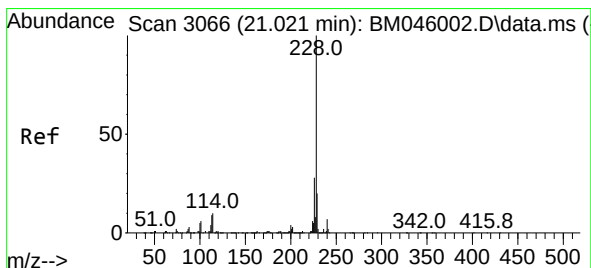
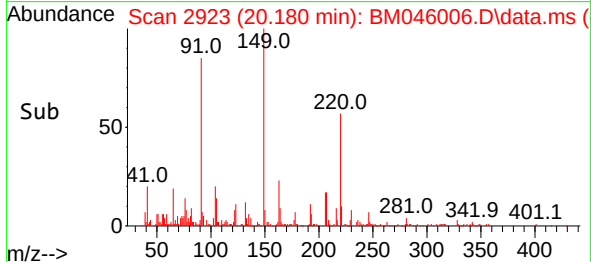
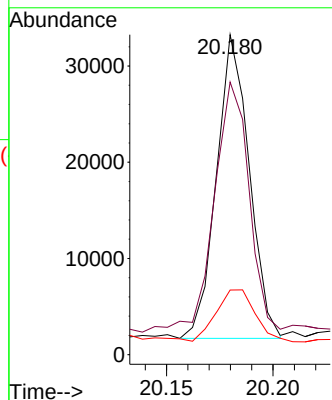
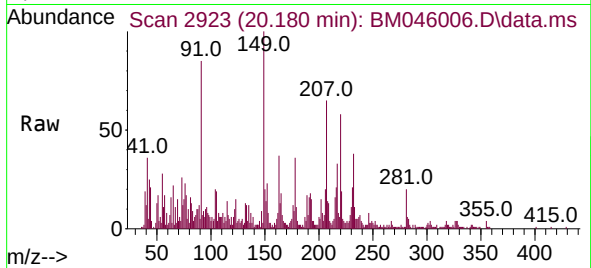




#83
Butylbenzylphthalate
Concen: 1.498 ng/ul
RT: 20.180 min Scan# 2924
Delta R.T. -0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

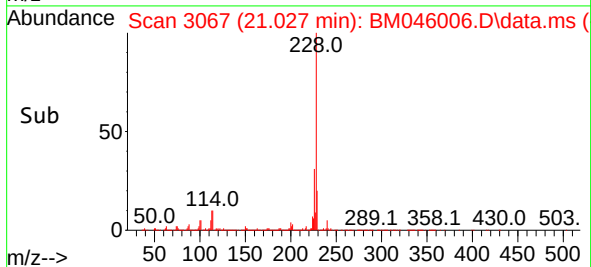
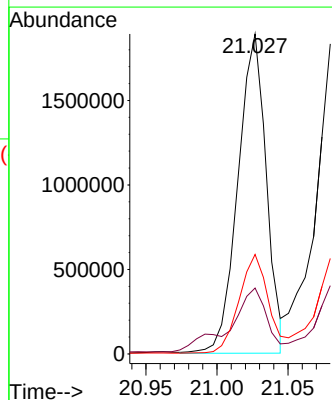
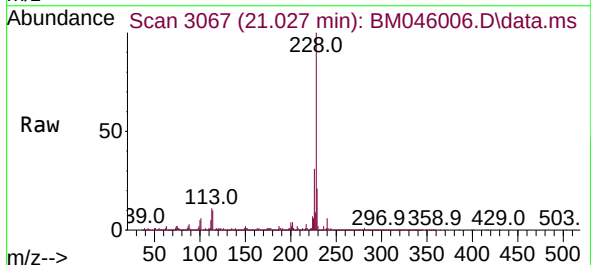
Instrument :
BNA_M
ClientSampleId :
BHC26

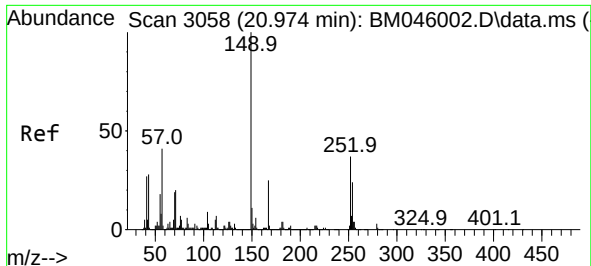
Tgt Ion:149 Resp: 33815
Ion Ratio Lower Upper
149 100
91 85.2 63.7 95.5
206 20.2 15.9 23.9



#85
Benzo(a)anthracene
Concen: 53.268 ng/ul
RT: 21.027 min Scan# 3067
Delta R.T. -0.000 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Tgt Ion:228 Resp: 2630842
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 31.1 21.4 32.0

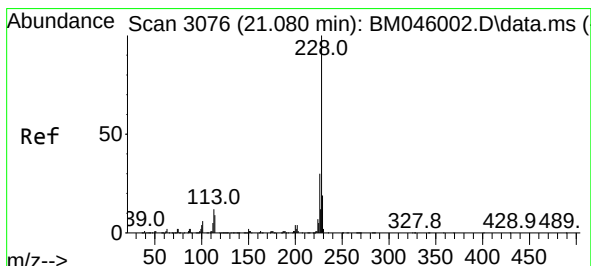
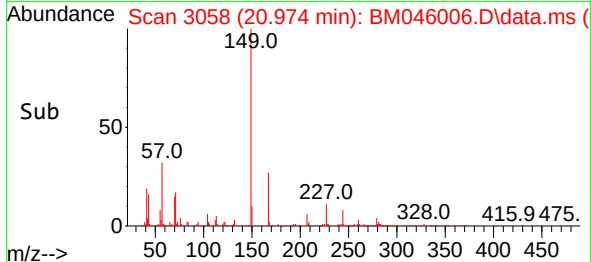
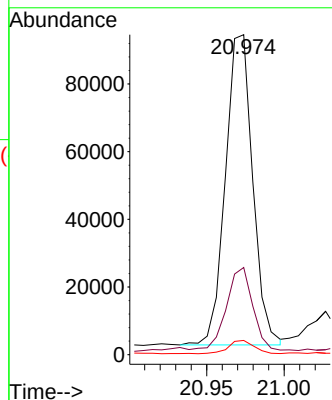
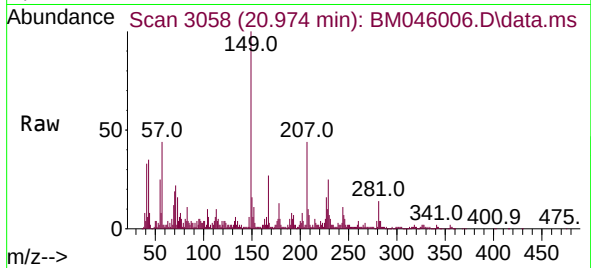




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 3.344 ng/ul
 RT: 20.974 min Scan# 3058
 Delta R.T. -0.006 min
 Lab File: BM046006.D
 Acq: 12 Jun 2024 21:18

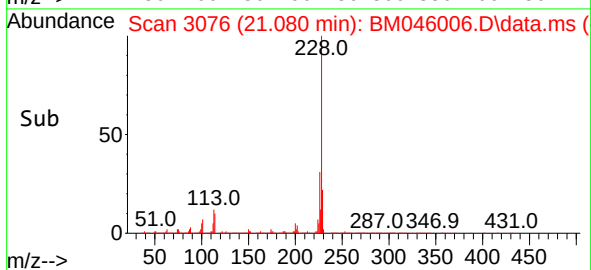
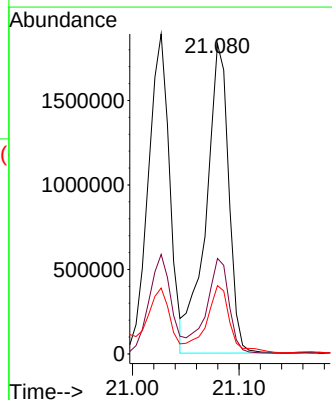
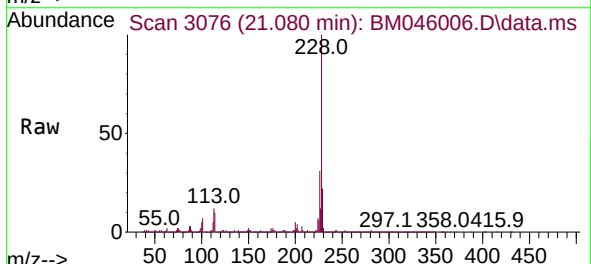
Instrument :
 BNA_M
 ClientSampleId :
 BHC26

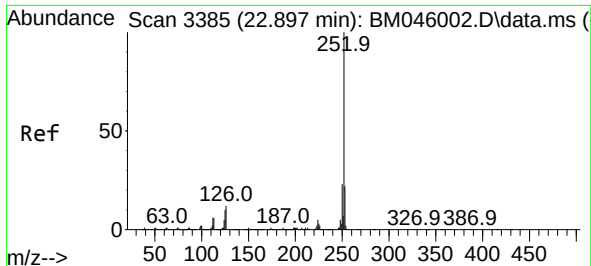
Tgt Ion:149 Resp: 112194
 Ion Ratio Lower Upper
 149 100
 167 27.2 20.4 30.6
 279 4.4 3.1 4.7



#87
 Chrysene
 Concen: 59.324 ng/ul
 RT: 21.080 min Scan# 3076
 Delta R.T. -0.006 min
 Lab File: BM046006.D
 Acq: 12 Jun 2024 21:18

Tgt Ion:228 Resp: 2710460
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.2 36.2
 229 22.1 15.2 22.8

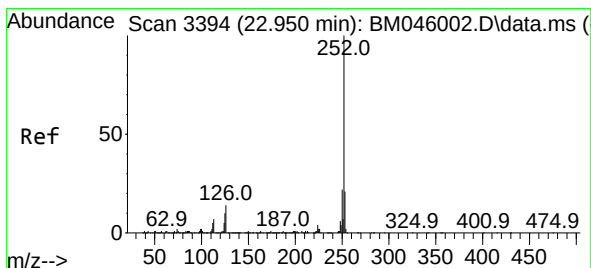
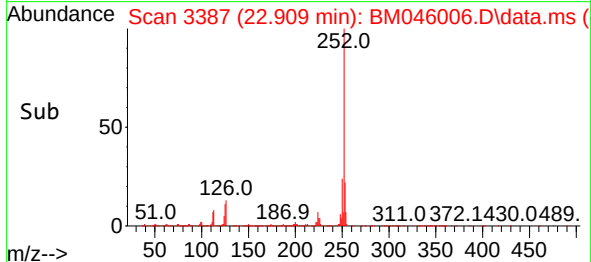
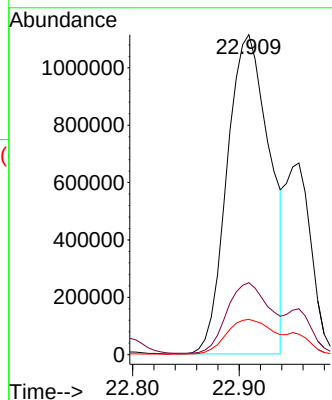
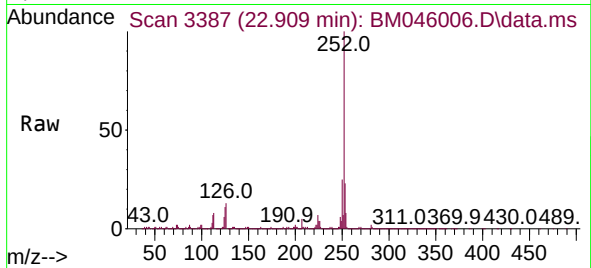




#90
Benzo(b)fluoranthene
Concen: 73.241 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

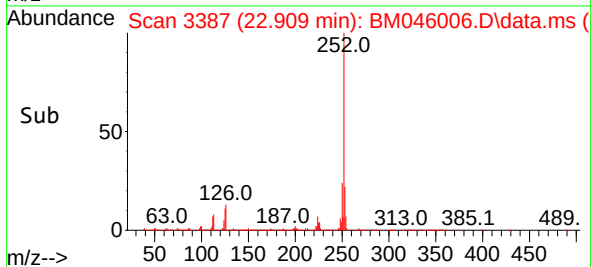
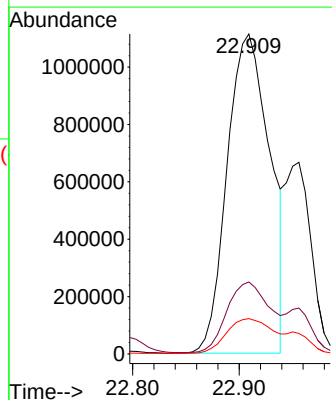
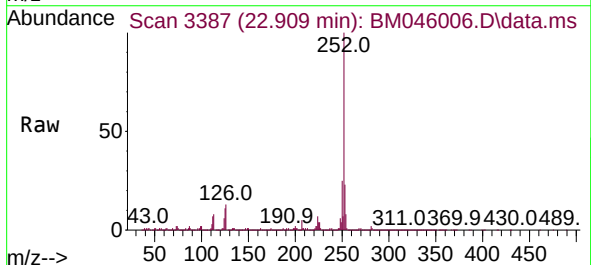
Instrument :
BNA_M
ClientSampleId :
BHC26

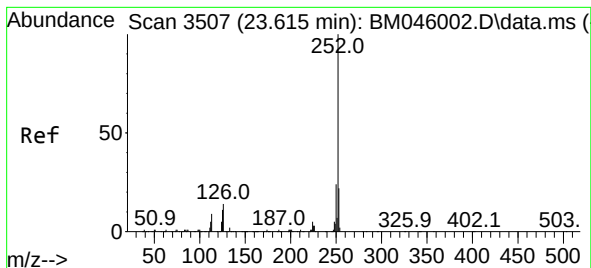
Tgt Ion:252 Resp: 3098590
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.1 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 74.985 ng/ul
RT: 22.909 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BM046006.D
Acq: 12 Jun 2024 21:18

Tgt Ion:252 Resp: 3098590
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 11.1 8.2 12.4





#93

Benzo(a)pyrene

Concen: 35.390 ng/ul

RT: 23.615 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

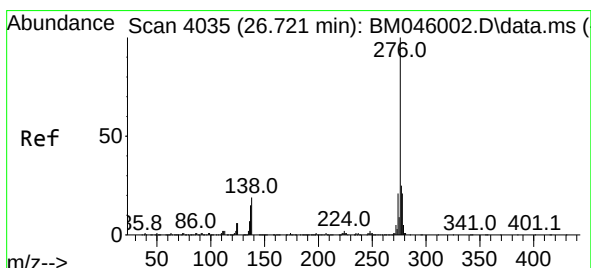
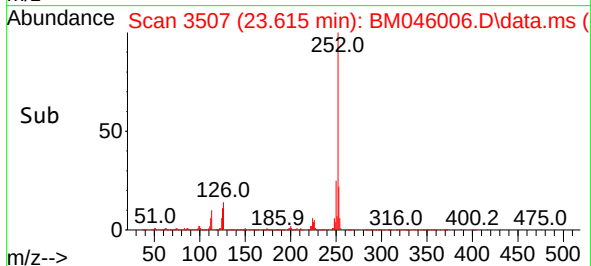
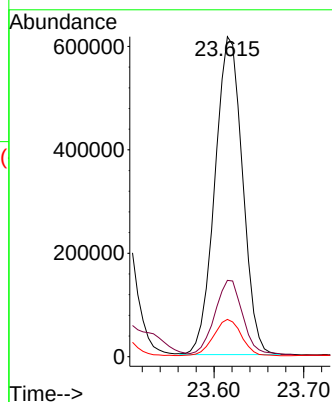
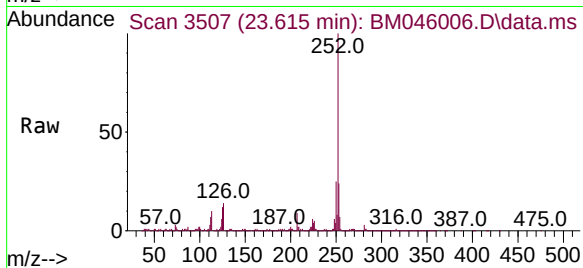
Tgt Ion:252 Resp: 1315691

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 11.7 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 28.065 ng/ul

RT: 26.732 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

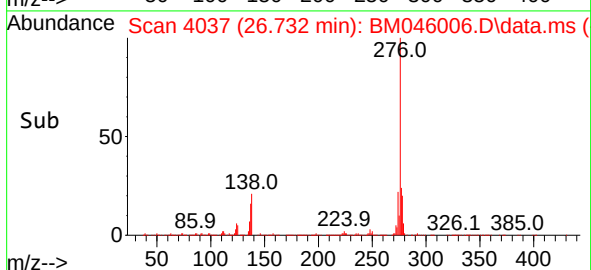
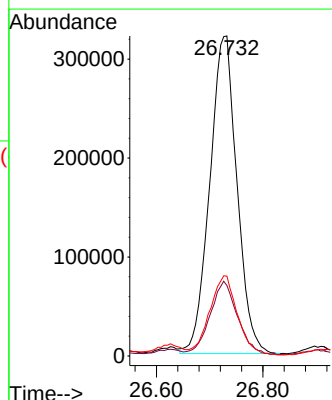
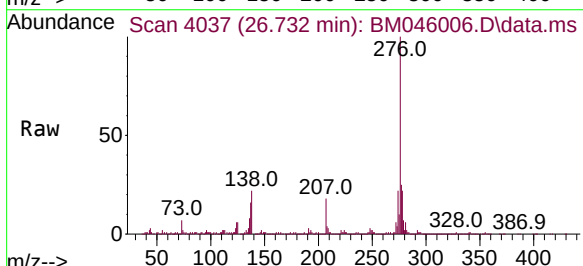
Tgt Ion:276 Resp: 1139406

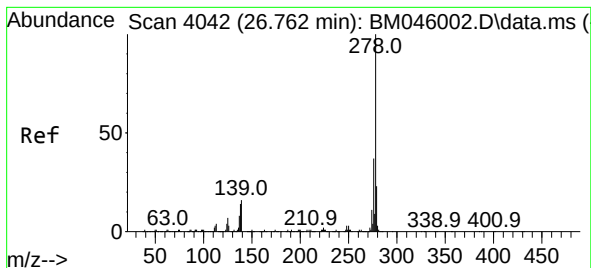
Ion Ratio Lower Upper

276 100

138 22.0 17.9 26.9

277 25.0 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 11.443 ng/ul

RT: 26.756 min Scan# 4042

Delta R.T. -0.018 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Instrument :

BNA_M

ClientSampleId :

BHC26

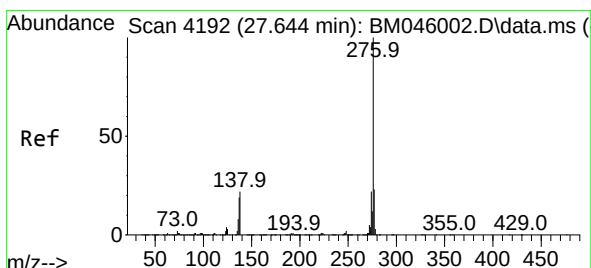
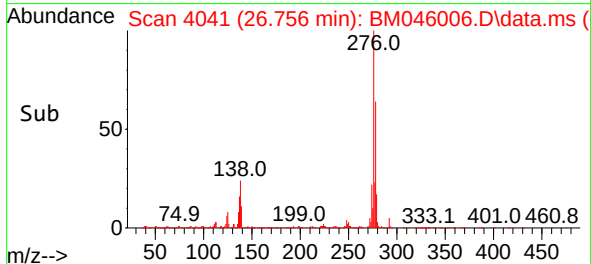
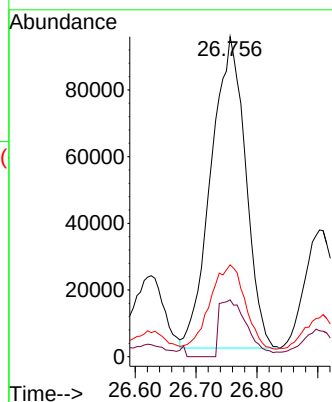
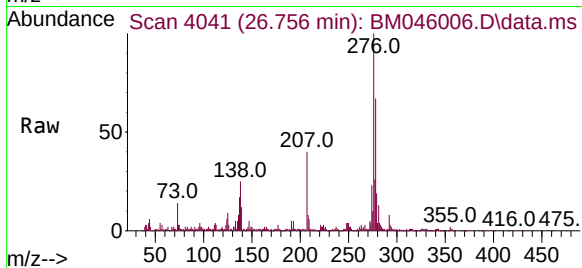
Tgt Ion:278 Resp: 367429

Ion Ratio Lower Upper

278 100

139 17.7 13.2 19.8

279 28.7 19.1 28.7#



#96

Benzo(g,h,i)perylene

Concen: 4.247 ng/ul

RT: 27.650 min Scan# 4193

Delta R.T. -0.006 min

Lab File: BM046006.D

Acq: 12 Jun 2024 21:18

Tgt Ion:276 Resp: 151860

Ion Ratio Lower Upper

276 100

138 22.1 18.6 27.8

277 25.9 18.7 28.1

