

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045857.D
 Acq On : 05 Jun 2024 19:35
 Operator : MA/JU
 Sample : P2586-01DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

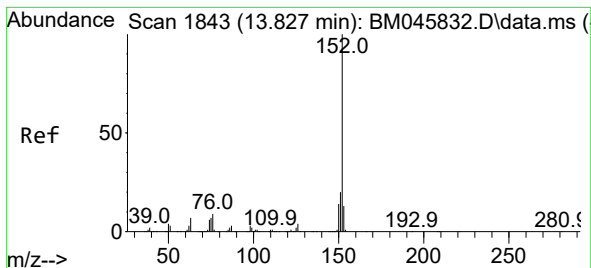
Instrument :
 BNA_M
 ClientSampleId :
 A4D14DL

Quant Time: Jun 06 01:13:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 13:01:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	539398	20.000	ng/ul	0.00
20) Naphthalene-d8	10.228	136	2093733	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.104	164	1151764	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.851	188	2006659	20.000	ng/ul	0.00
79) Chrysene-d12	21.068	240	1685350	20.000	ng/ul	0.00
88) Perylene-d12	23.791	264	1938092	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	6205	0.446	ng/uL	0.00
4) Pyridine-d5	3.475	84	743	0.021	ng/ul	0.00
7) Phenol-d5	6.722	99	108559	2.369	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.834	67	86025	2.614	ng/ul	0.00
11) 2-Chlorophenol-d4	7.028	132	94011	2.747	ng/ul	0.00
15) 4-Methylphenol-d8	8.240	113	76272	2.203	ng/ul	0.00
21) Nitrobenzene-d5	8.634	128	45190	2.761	ng/ul	0.00
24) 2-Nitrophenol-d4	9.345	143	42411	2.560	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.898	165	78166	2.516	ng/ul	0.00
31) 4-Chloroaniline-d4	10.434	131	21912	0.510	ng/ul	0.01
46) Dimethylphthalate-d6	13.563	166	230517	2.891	ng/ul	0.00
49) Acenaphthylene-d8	13.798	160	255416	2.759	ng/ul	0.00
54) 4-Nitrophenol-d4	14.416	143	12463	0.724	ng/ul	0.01
60) Fluorene-d10	15.104	176	186266	2.738	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	9574	0.934	ng/ul	0.00
73) Anthracene-d10	16.951	188	248345	2.847	ng/ul	0.00
81) Pyrene-d10	19.251	212	258340	2.465	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.597	264	198353	2.190	ng/ul	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	13.827	152	138042	1.288	ng/ul	99
72) Phenanthrene	16.892	178	975141	9.223	ng/ul	99
74) Anthracene	16.986	178	208576	1.975	ng/ul	99
77) Carbazole	17.274	167	120229	1.334	ng/ul	99
80) Fluoranthene	18.915	202	2150860	16.928	ng/ul	99
82) Pyrene	19.280	202	1536867	11.773	ng/ul	99
85) Benzo(a)anthracene	21.050	228	824335	7.084	ng/ul	94
87) Chrysene	21.103	228	989011	9.187	ng/ul	97
90) Benzo(b)fluoranthene	22.939	252	1348061	11.318	ng/ul	100
91) Benzo(k)fluoranthene	22.939	252	1348061	11.588	ng/ul	98
93) Benzo(a)pyrene	23.656	252	472650	4.516	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.785	276	424777	3.716	ng/ul	99
95) Dibenzo(a,h)anthracene	26.821	278	141385	1.564	ng/ul#	91

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



#50

Acenaphthylene

Concen: 1.288 ng/ul

RT: 13.827 min Scan# 1843

Delta R.T. -0.006 min

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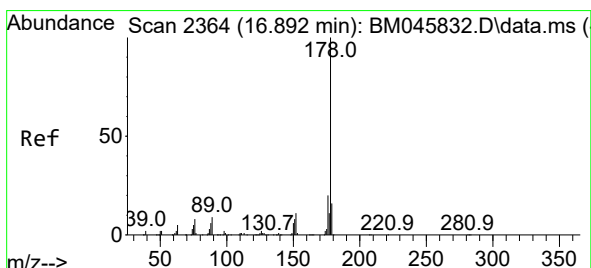
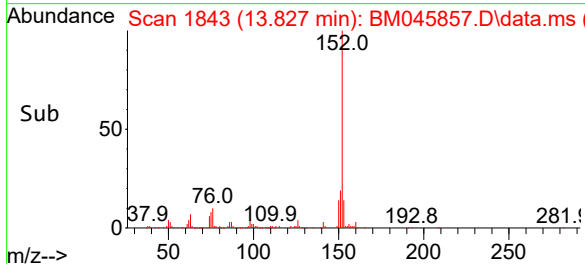
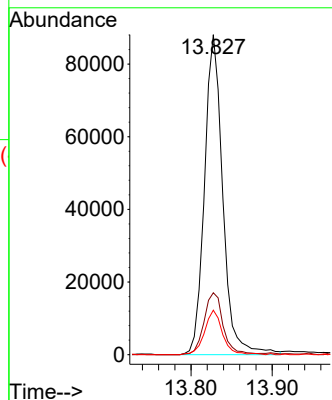
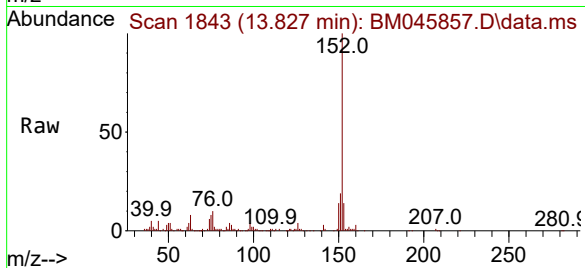
Tgt Ion:152 Resp: 138042

Ion Ratio Lower Upper

152 100

151 19.4 15.6 23.4

153 13.9 10.4 15.6



#72

Phenanthrene

Concen: 9.223 ng/ul

RT: 16.892 min Scan# 2364

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

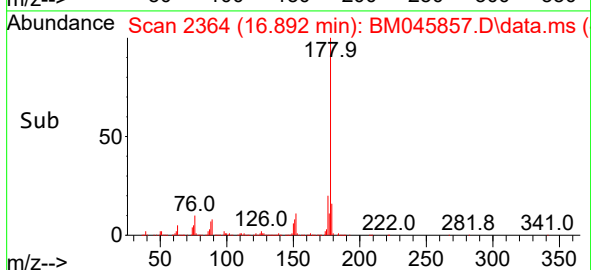
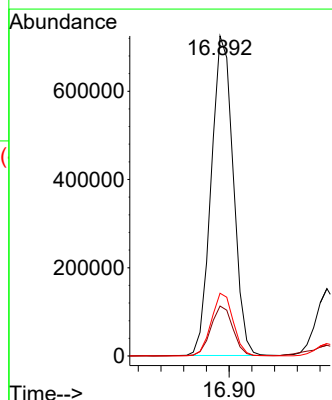
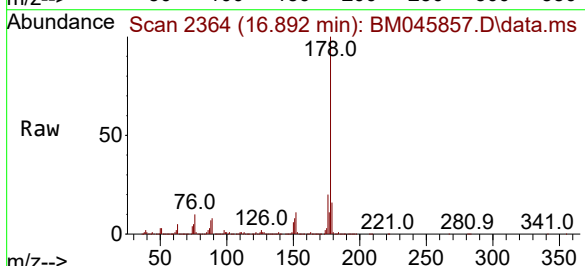
Tgt Ion:178 Resp: 975141

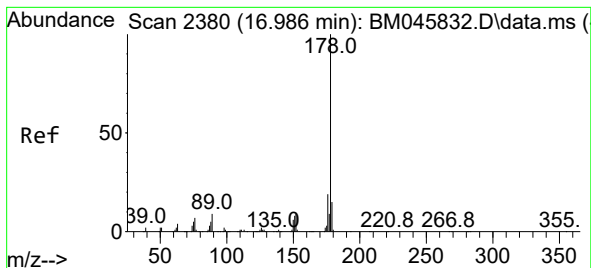
Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.6 15.3 22.9





#74

Anthracene

Concen: 1.975 ng/ul

RT: 16.986 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

Instrument :

BNA_M

ClientSampleId :

A4D14DL

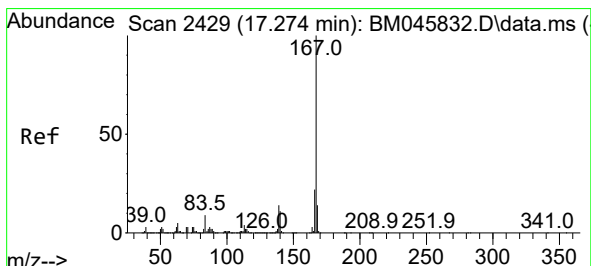
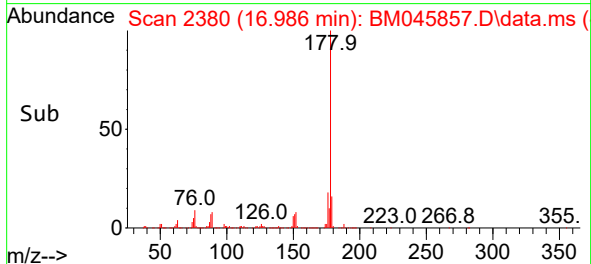
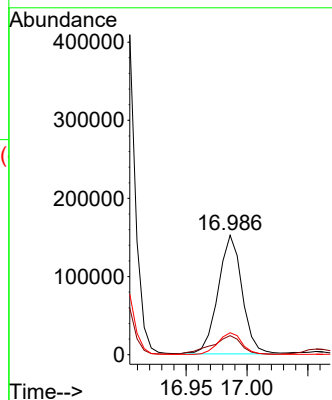
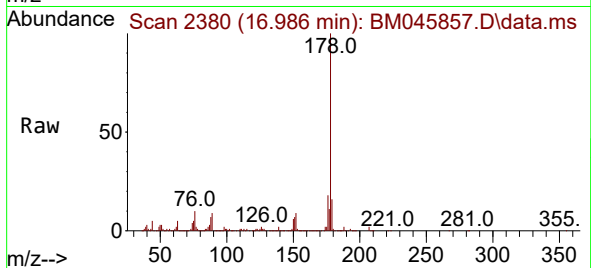
Tgt Ion:178 Resp: 208576

Ion Ratio Lower Upper

178 100

179 15.9 12.0 18.0

176 18.4 15.0 22.6



#77

Carbazole

Concen: 1.334 ng/ul

RT: 17.274 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

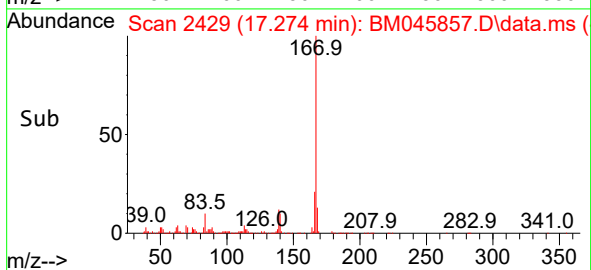
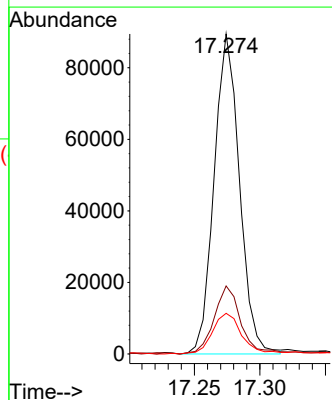
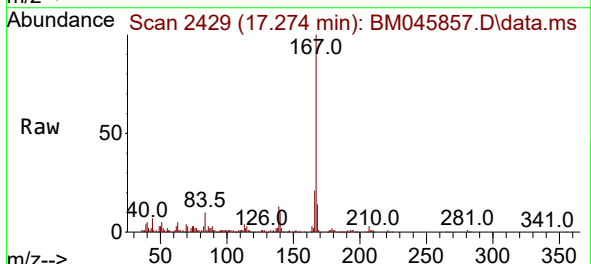
Tgt Ion:167 Resp: 120229

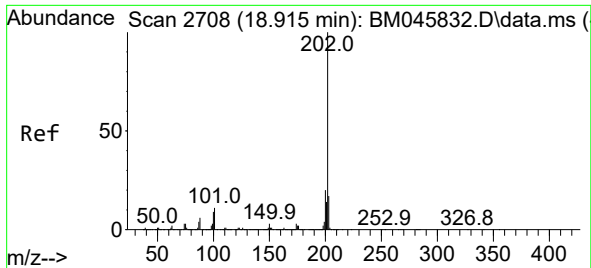
Ion Ratio Lower Upper

167 100

166 21.3 16.6 24.8

139 12.7 10.6 16.0

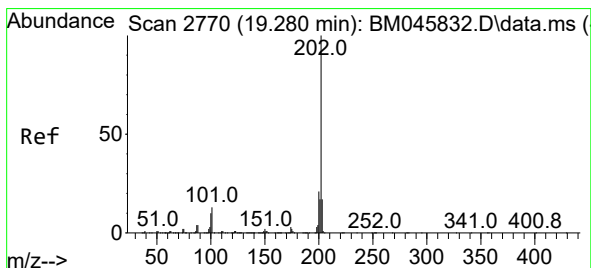
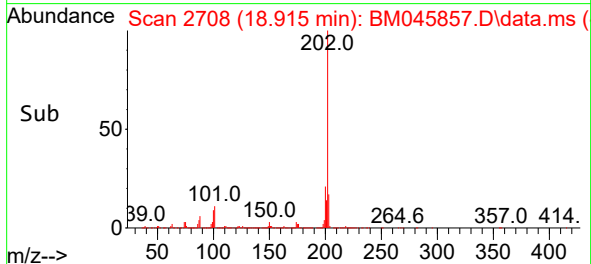
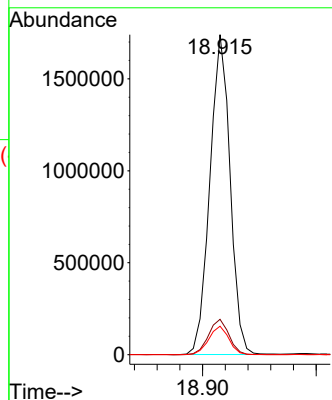
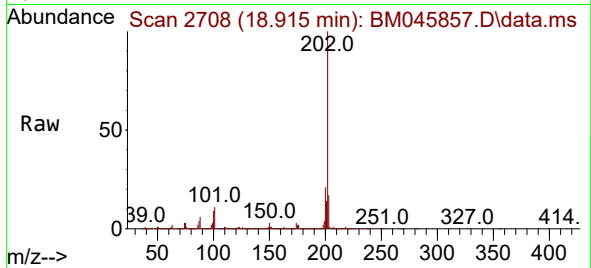




#80
Fluoranthene
Concen: 16.928 ng/ul
RT: 18.915 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM045857.D
Acq: 05 Jun 2024 19:35

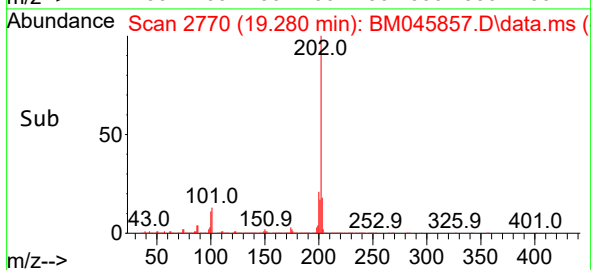
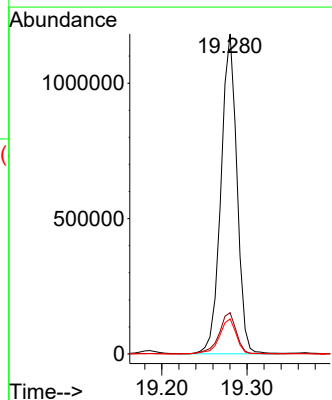
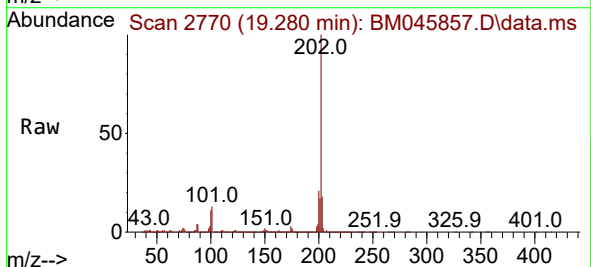
Instrument :
BNA_M
ClientSampleId :
A4D14DL

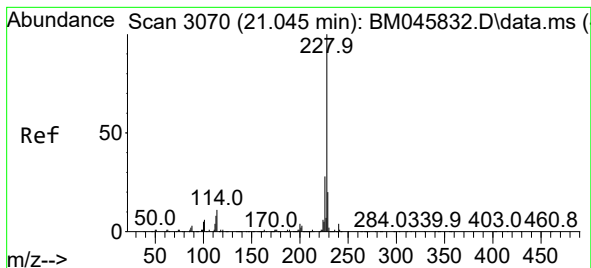
Tgt Ion:202 Resp: 2150860
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
100 8.9 6.6 10.0



#82
Pyrene
Concen: 11.773 ng/ul
RT: 19.280 min Scan# 2770
Delta R.T. -0.006 min
Lab File: BM045857.D
Acq: 05 Jun 2024 19:35

Tgt Ion:202 Resp: 1536867
Ion Ratio Lower Upper
202 100
101 12.9 10.5 15.7
100 11.0 8.6 12.8





#85

Benzo(a)anthracene

Concen: 7.084 ng/ul

RT: 21.050 min Scan# 3071

Delta R.T. 0.000 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

Instrument :

BNA_M

ClientSampleId :

A4D14DL

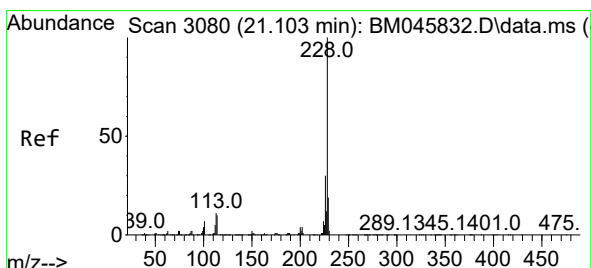
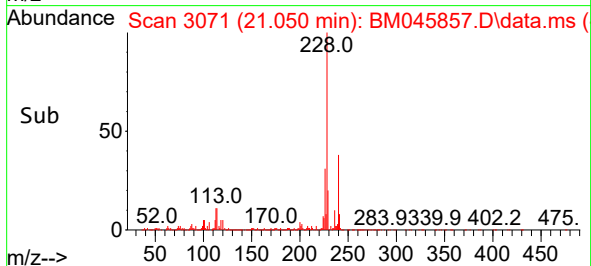
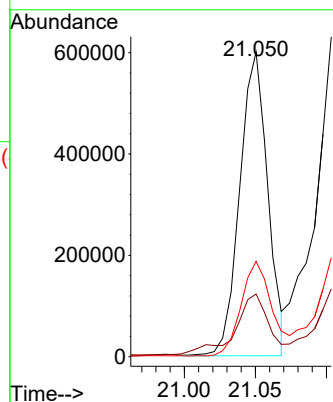
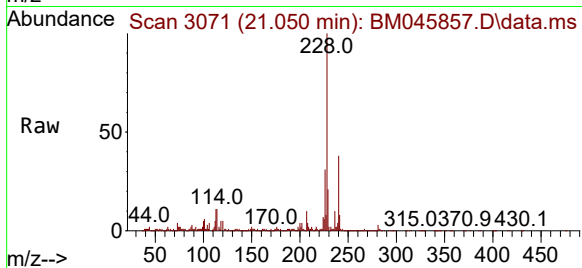
Tgt Ion:228 Resp: 824335

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.8

226 31.3 21.4 32.0



#87

Chrysene

Concen: 9.187 ng/ul

RT: 21.103 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

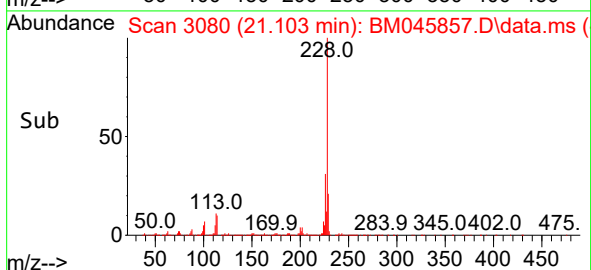
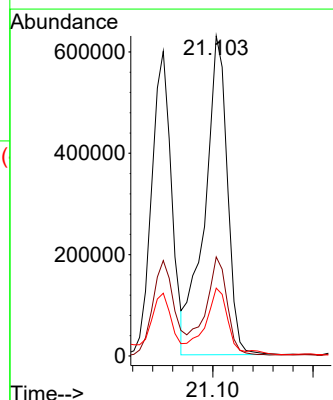
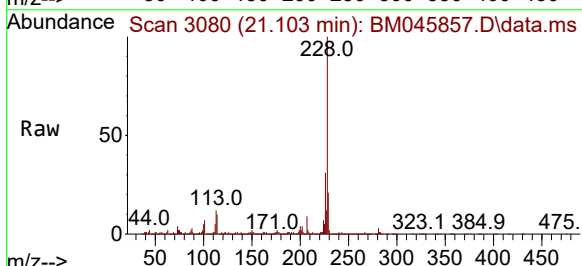
Tgt Ion:228 Resp: 989011

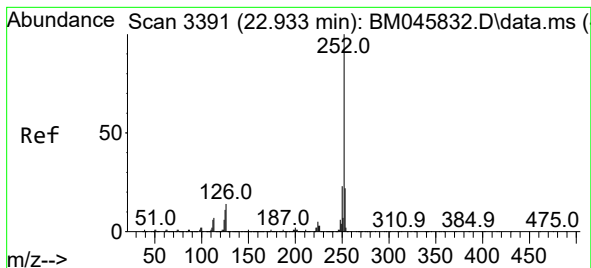
Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.2

229 21.2 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 11.318 ng/ul

RT: 22.939 min Scan# 3391

Delta R.T. 0.000 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

Instrument :

BNA_M

ClientSampleId :

A4D14DL

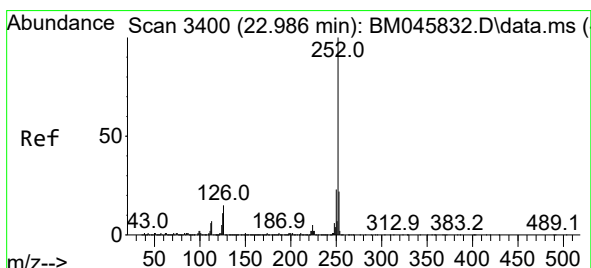
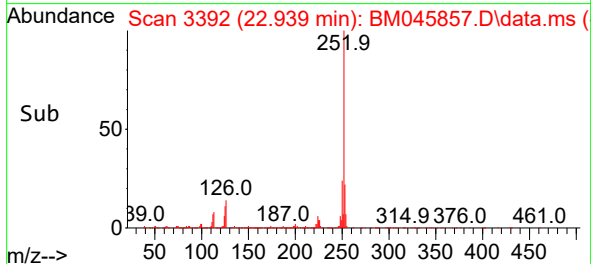
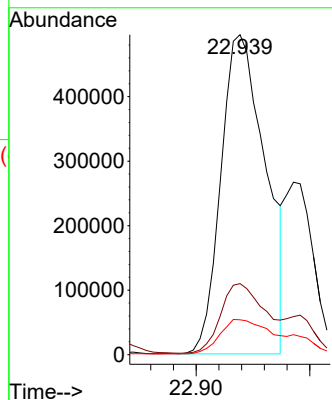
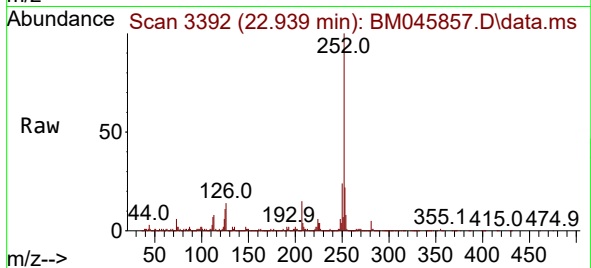
Tgt Ion:252 Resp: 1348061

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 10.9 8.4 12.6



#91

Benzo(k)fluoranthene

Concen: 11.588 ng/ul

RT: 22.939 min Scan# 3392

Delta R.T. -0.059 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

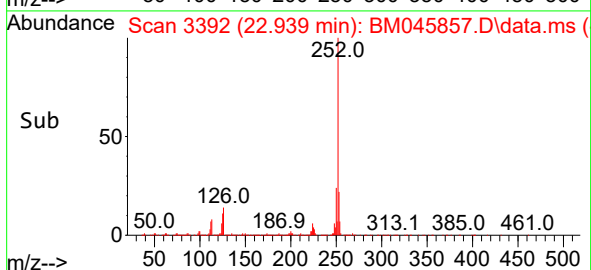
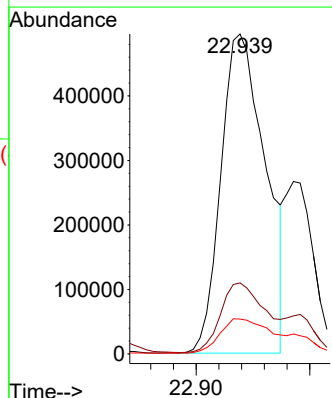
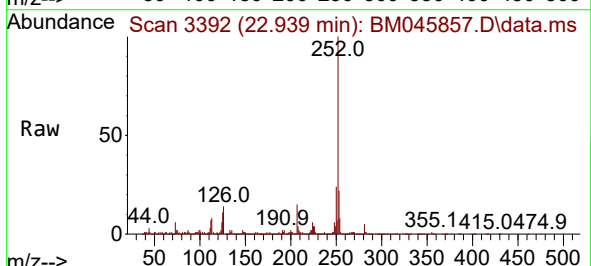
Tgt Ion:252 Resp: 1348061

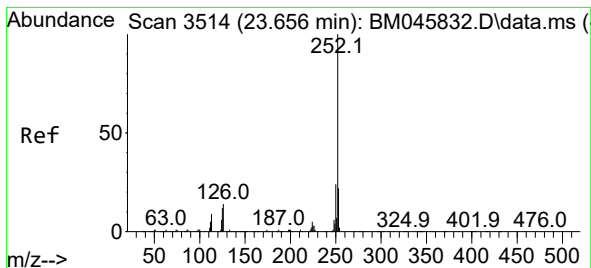
Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

125 10.9 8.2 12.4





#93

Benzo(a)pyrene

Concen: 4.516 ng/ul

RT: 23.656 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

Instrument :

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ClientSampleId :

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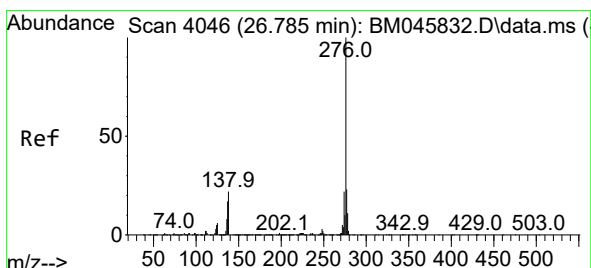
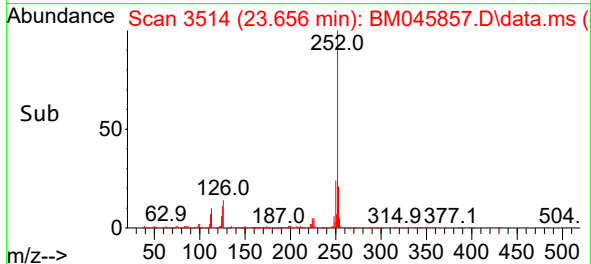
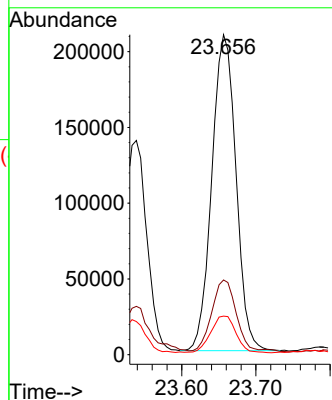
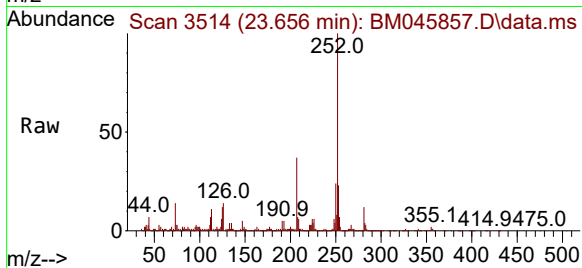
Tgt Ion:252 Resp: 472650

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 12.0 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.716 ng/ul

RT: 26.785 min Scan# 4046

Delta R.T. -0.006 min

Lab File: BM045857.D

Acq: 05 Jun 2024 19:35

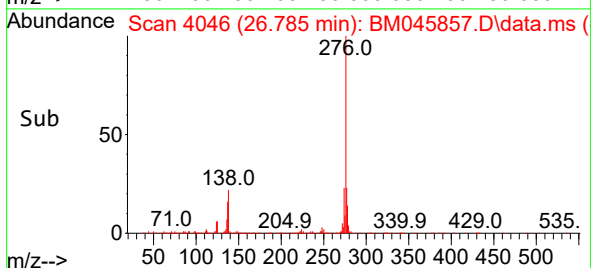
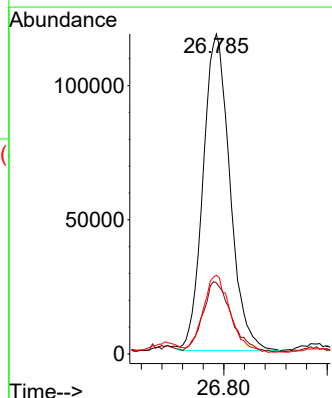
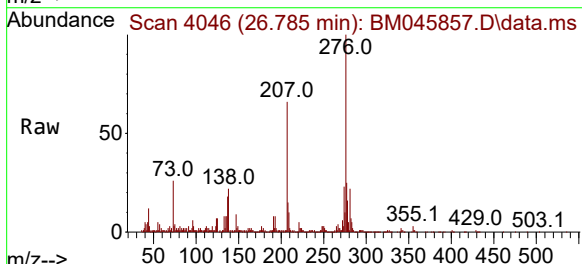
Tgt Ion:276 Resp: 424777

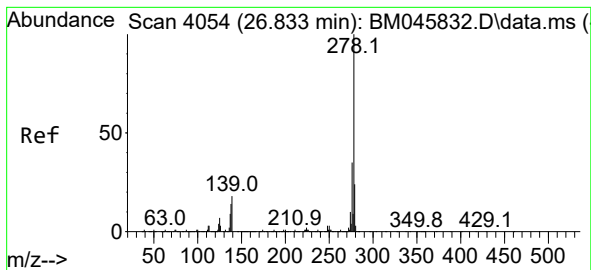
Ion Ratio Lower Upper

276 100

138 22.2 17.9 26.9

277 24.6 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 1.564 ng/ul

RT: 26.821 min Scan# 40

Delta R.T. -0.018 min

Lab File: BM045857.D

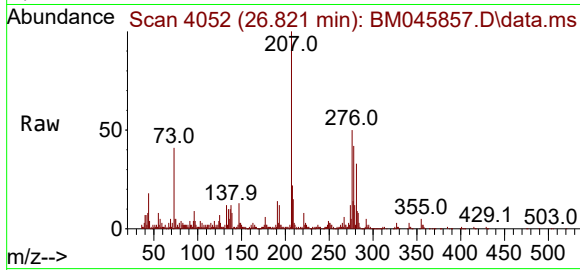
Acq: 05 Jun 2024 19:35

Instrument :

BNA_M

ClientSampleId :

A4D14DL



Tgt Ion:278 Resp: 141385

Ion Ratio Lower Upper

278 100

139 19.8 13.2 19.8#

279 28.8 19.1 28.7#

