

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045850.D
 Acq On : 05 Jun 2024 14:57
 Operator : MA/JU
 Sample : P2586-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D20

Quant Time: Jun 06 01:12:04 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)

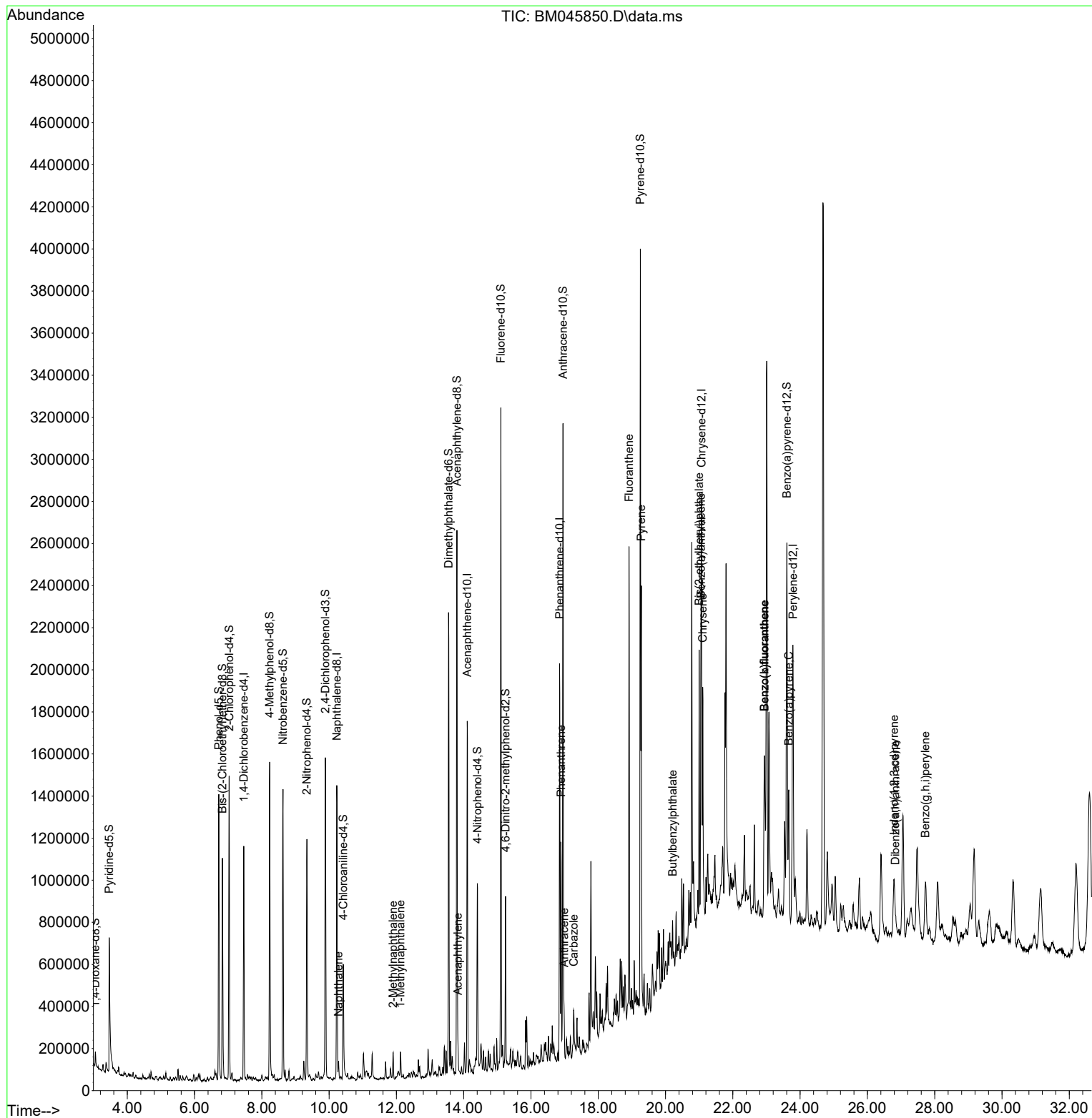
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	243489	20.000	ng/ul	0.00
20) Naphthalene-d8	10.228	136	943980	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.104	164	516873	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.851	188	937185	20.000	ng/ul	0.00
79) Chrysene-d12	21.068	240	755390	20.000	ng/ul	0.00
88) Perylene-d12	23.791	264	857204	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	30551	4.865	ng/uL	0.00
4) Pyridine-d5	3.463	84	397939	24.609	ng/ul	0.00
7) Phenol-d5	6.722	99	676046	32.683	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.828	67	470458	31.673	ng/ul	0.00
11) 2-Chlorophenol-d4	7.028	132	543740	35.191	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113	505786	32.365	ng/ul	0.00
21) Nitrobenzene-d5	8.628	128	270133	36.600	ng/ul	0.00
24) 2-Nitrophenol-d4	9.339	143	291122	38.973	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.886	165	489155	34.921	ng/ul	0.00
31) 4-Chloroaniline-d4	10.416	131	287219	14.815	ng/ul	0.00
46) Dimethylphthalate-d6	13.551	166	1312017	36.666	ng/ul	0.00
49) Acenaphthylene-d8	13.798	160	1514317	36.444	ng/ul	0.00
54) 4-Nitrophenol-d4	14.410	143	172132	22.290	ng/ul	0.00
60) Fluorene-d10	15.104	176	1055105	34.563	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	123314	25.767	ng/ul	0.00
73) Anthracene-d10	16.951	188	1484615	36.440	ng/ul	0.00
81) Pyrene-d10	19.251	212	1599857	34.056	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.609	264	1457373	36.377	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.281	128	58855	1.169	ng/ul	99
36) 2-Methylnaphthalene	11.904	142	51062	1.532	ng/ul	94
37) 1-Methylnaphthalene	12.122	142	50764	1.523	ng/ul	98
50) Acenaphthylene	13.827	152	80312	1.670	ng/ul#	96
72) Phenanthrene	16.892	178	532672	10.787	ng/ul	99
74) Anthracene	16.986	178	110033	2.231	ng/ul	98
77) Carbazole	17.274	167	68508	1.628	ng/ul#	95
80) Fluoranthene	18.915	202	1153314	20.251	ng/ul	99
82) Pyrene	19.280	202	1030532	17.612	ng/ul	100
83) Butylbenzylphthalate	20.209	149	37339	1.566	ng/ul	98
85) Benzo(a)anthracene	21.050	228	509234	9.763	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	20.998	149	401548	11.334	ng/ul	100
87) Chrysene	21.103	228	628574	13.027	ng/ul	97
90) Benzo(b)fluoranthene	22.939	252	760635	14.439	ng/ul	98
91) Benzo(k)fluoranthene	22.939	252	760635	14.783	ng/ul	96
93) Benzo(a)pyrene	23.662	252	494764	10.688	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.791	276	356591	7.054	ng/ul	97
95) Dibenzo(a,h)anthracene	26.827	278	101379	2.536	ng/ul#	84
96) Benzo(g,h,i)perylene	27.727	276	353797	7.946	ng/ul	98

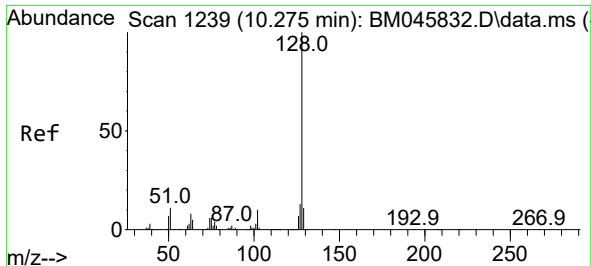
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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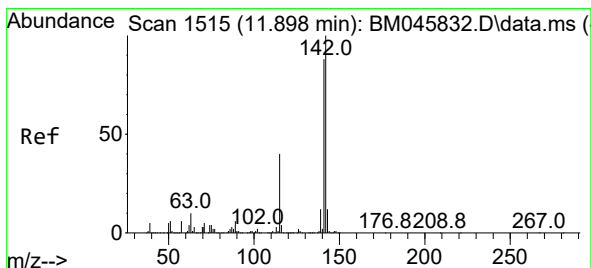
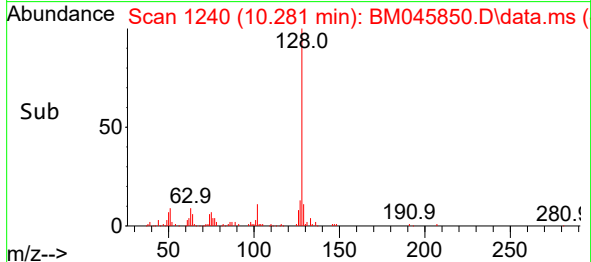
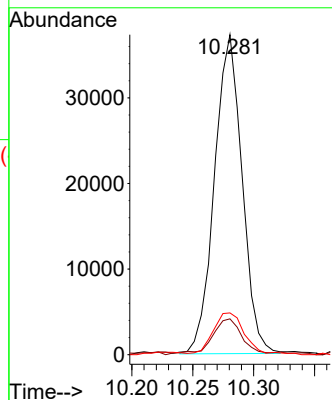
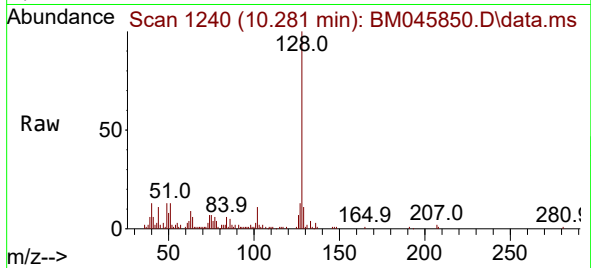




#30
Naphthalene
Concen: 1.169 ng/ul
RT: 10.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM045850.D
Acq: 05 Jun 2024 14:57

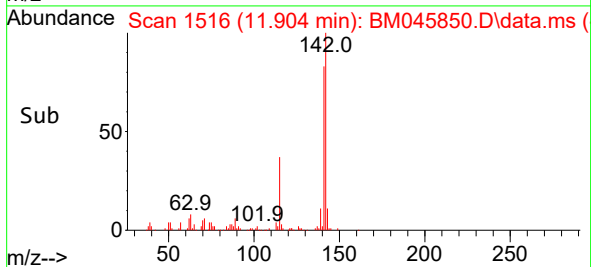
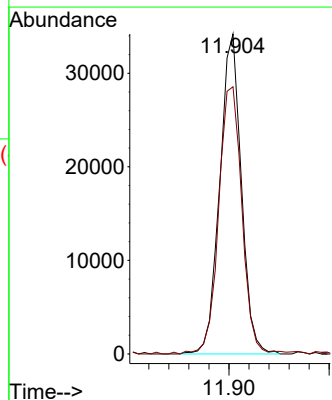
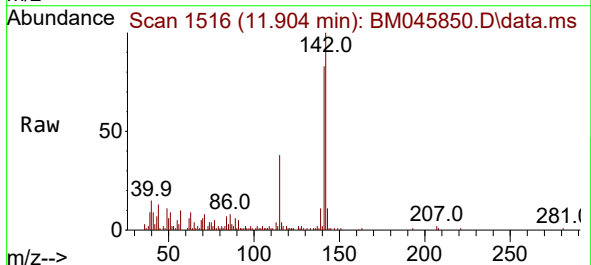
Instrument :
BNA_M
ClientSampleId :
A4D20

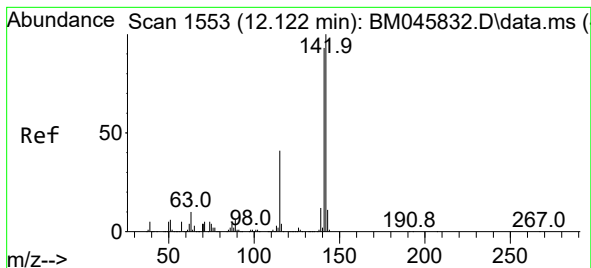
Tgt Ion:128 Resp: 58855
Ion Ratio Lower Upper
128 100
129 11.2 8.3 12.5
127 13.0 10.3 15.5



#36
2-Methylnaphthalene
Concen: 1.532 ng/ul
RT: 11.904 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BM045850.D
Acq: 05 Jun 2024 14:57

Tgt Ion:142 Resp: 51062
Ion Ratio Lower Upper
142 100
141 83.5 71.1 106.7





#37

1-Methylnaphthalene

Concen: 1.523 ng/ul

RT: 12.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

Instrument :

BNA_M

ClientSampleId :

A4D20

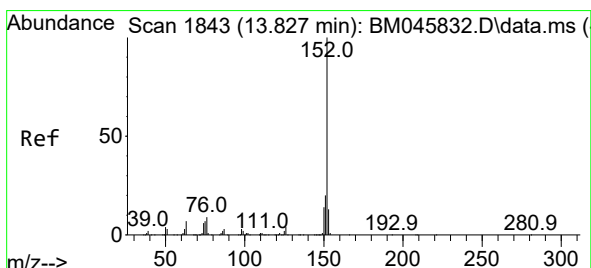
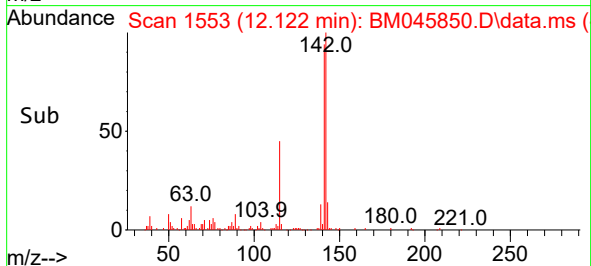
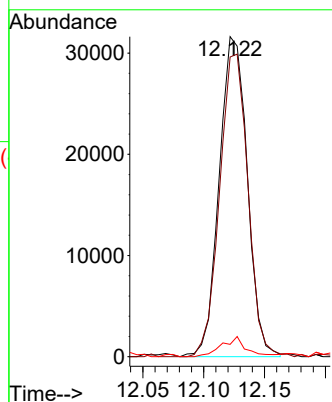
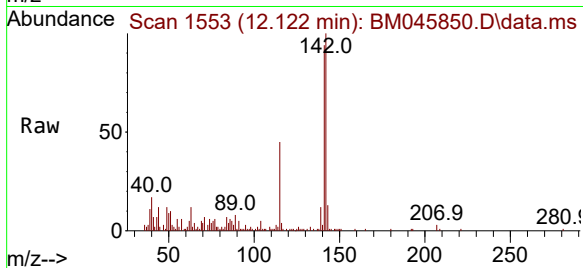
Tgt Ion:142 Resp: 50764

Ion Ratio Lower Upper

142 100

141 93.7 73.5 110.3

116 3.8 3.3 4.9



#50

Acenaphthylene

Concen: 1.670 ng/ul

RT: 13.827 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

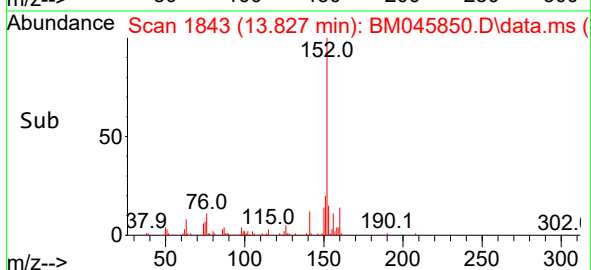
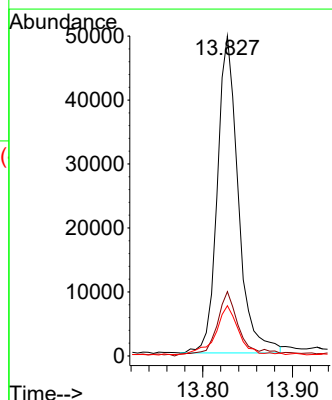
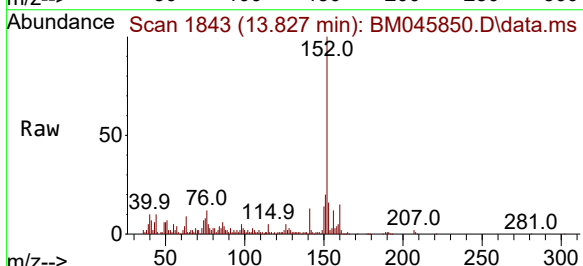
Tgt Ion:152 Resp: 80312

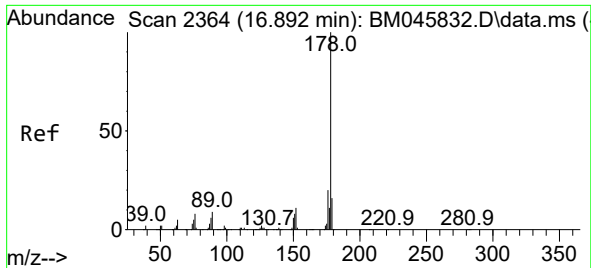
Ion Ratio Lower Upper

152 100

151 20.1 15.6 23.4

153 15.7 10.4 15.6#

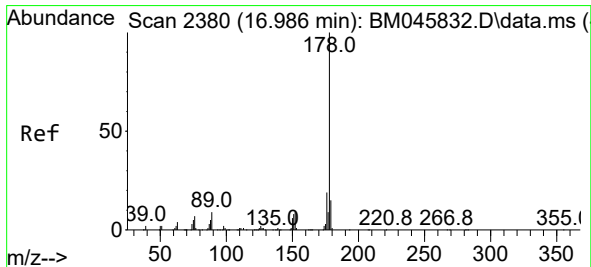
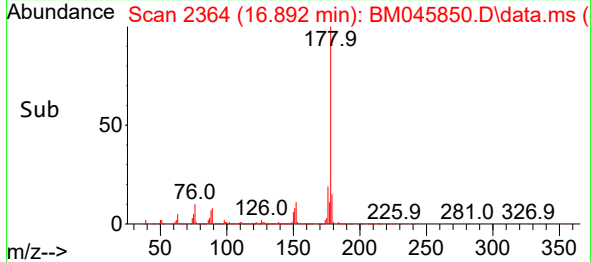
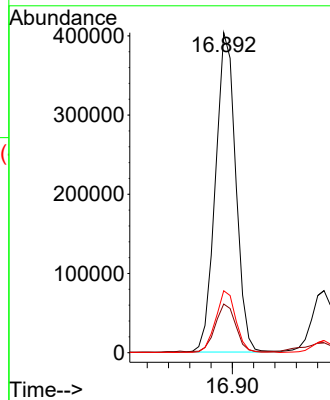
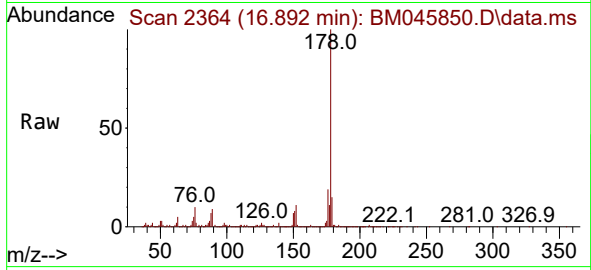




#72
Phenanthrene
Concen: 10.787 ng/ul
RT: 16.892 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM045850.D
Acq: 05 Jun 2024 14:57

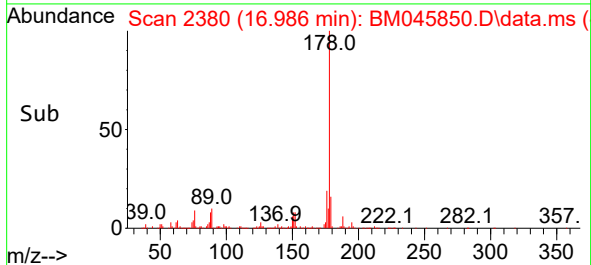
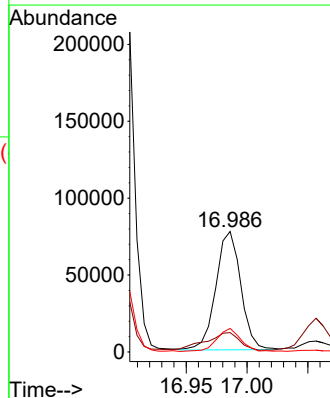
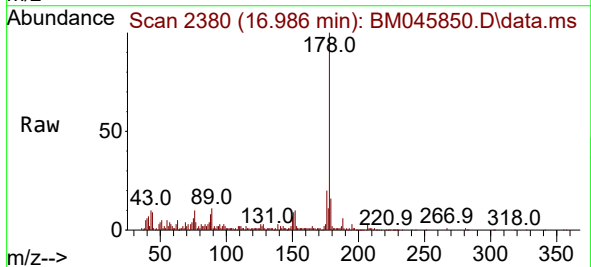
Instrument :
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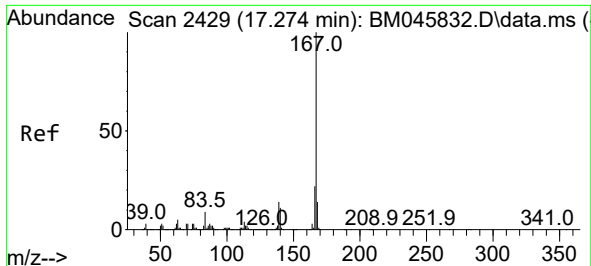
Tgt Ion:178 Resp: 532672
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 19.3 15.3 22.9



#74
Anthracene
Concen: 2.231 ng/ul
RT: 16.986 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BM045850.D
Acq: 05 Jun 2024 14:57

Tgt Ion:178 Resp: 110033
Ion Ratio Lower Upper
178 100
179 16.1 12.0 18.0
176 19.5 15.0 22.6

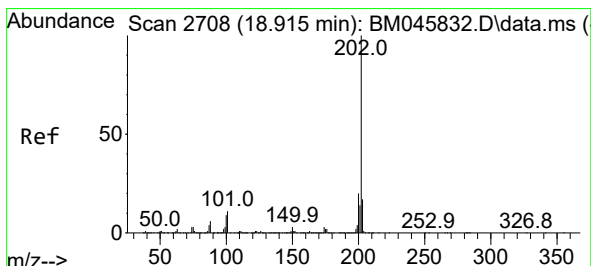
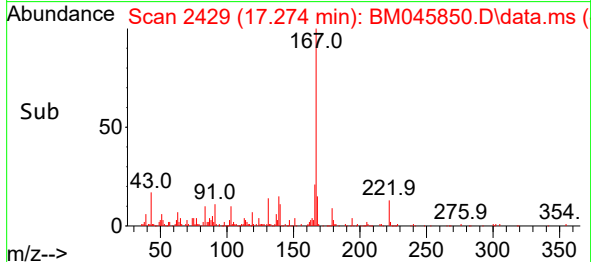
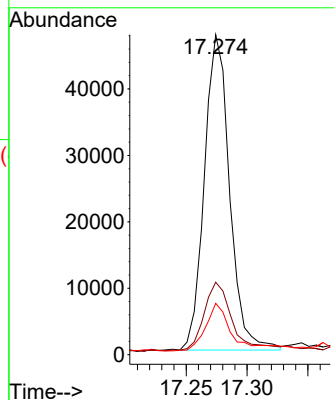
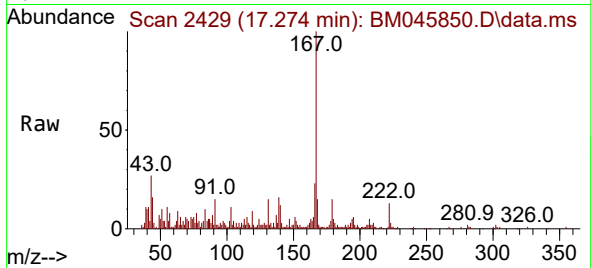




#77
 Carbazole
 Concen: 1.628 ng/ul
 RT: 17.274 min Scan# 2429
 Delta R.T. -0.006 min
 Lab File: BM045850.D
 Acq: 05 Jun 2024 14:57

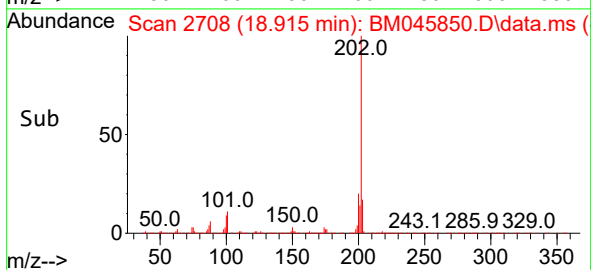
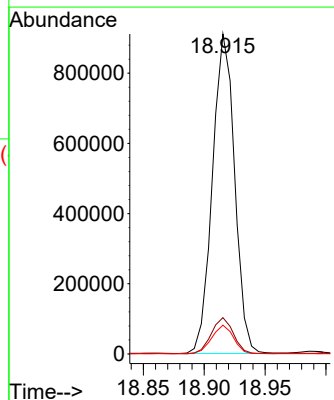
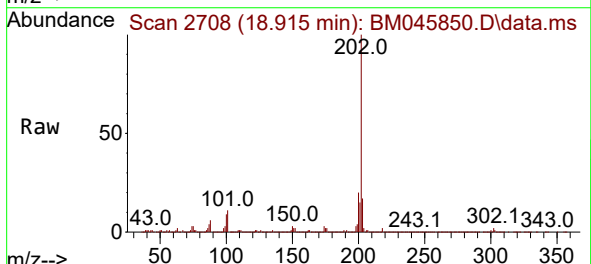
Instrument :
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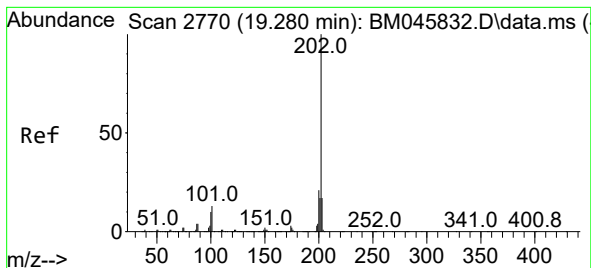
Tgt Ion:167 Resp: 68508
 Ion Ratio Lower Upper
 167 100
 166 22.6 16.6 24.8
 139 16.0 10.6 16.0#



#80
 Fluoranthene
 Concen: 20.251 ng/ul
 RT: 18.915 min Scan# 2708
 Delta R.T. -0.006 min
 Lab File: BM045850.D
 Acq: 05 Jun 2024 14:57

Tgt Ion:202 Resp: 1153314
 Ion Ratio Lower Upper
 202 100
 101 11.3 8.9 13.3
 100 9.0 6.6 10.0





#82

Pyrene

Concen: 17.612 ng/ul

RT: 19.280 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

Instrument :

BNA_M

ClientSampleId :

A4D20

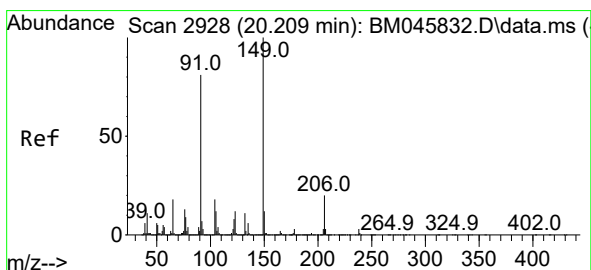
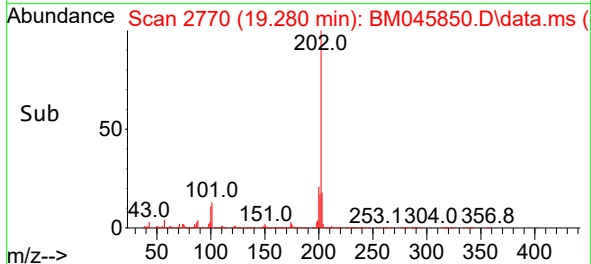
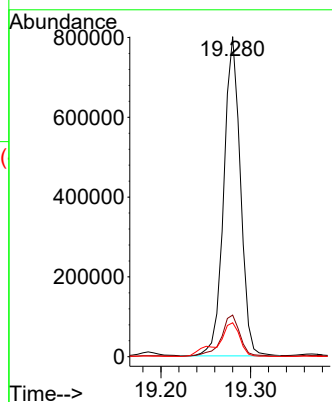
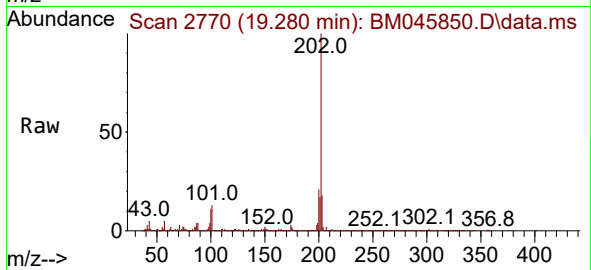
Tgt Ion:202 Resp: 1030532

Ion Ratio Lower Upper

202 100

101 13.0 10.5 15.7

100 10.6 8.6 12.8



#83

Butylbenzylphthalate

Concen: 1.566 ng/ul

RT: 20.209 min Scan# 2928

Delta R.T. -0.006 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

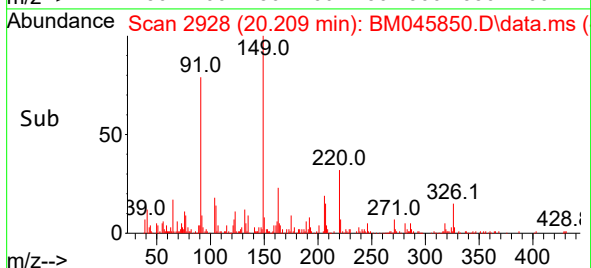
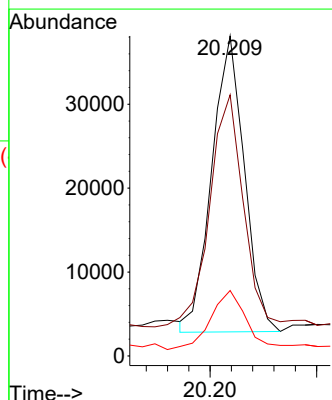
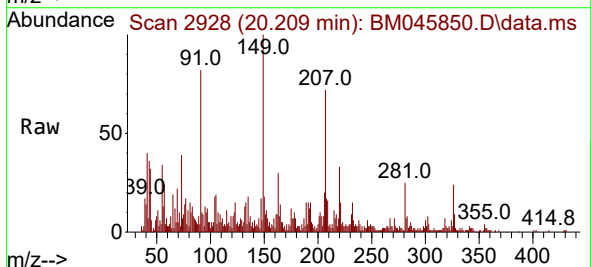
Tgt Ion:149 Resp: 37339

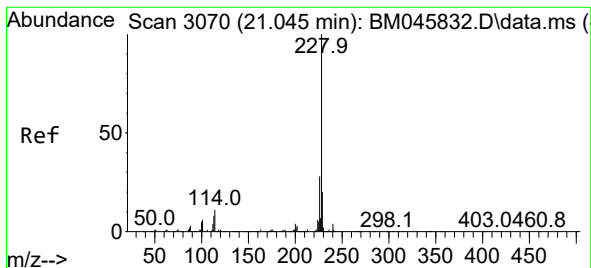
Ion Ratio Lower Upper

149 100

91 81.6 63.7 95.5

206 20.4 15.9 23.9





#85

Benzo(a)anthracene

Concen: 9.763 ng/ul

RT: 21.050 min Scan# 3070

Delta R.T. 0.000 min

Lab File: BM045850.D

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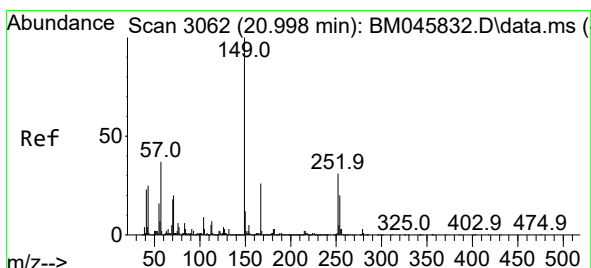
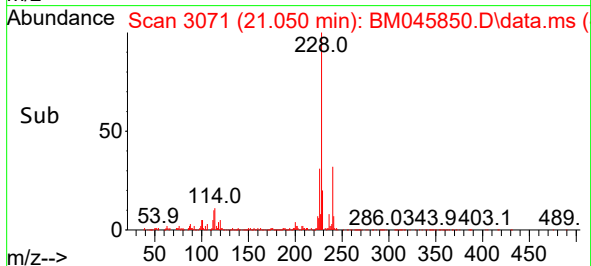
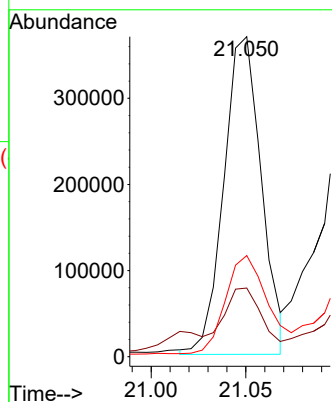
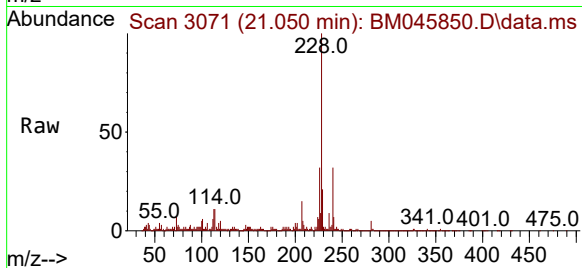
Tgt Ion:228 Resp: 509234

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.8

226 31.6 21.4 32.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 11.334 ng/ul

RT: 20.998 min Scan# 3062

Delta R.T. -0.012 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

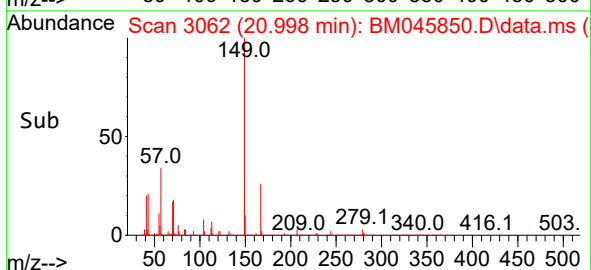
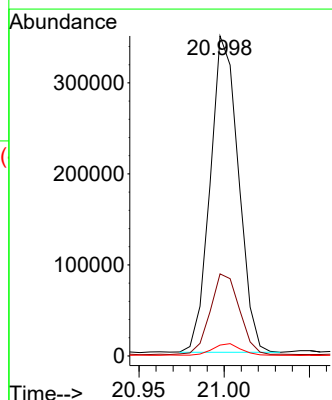
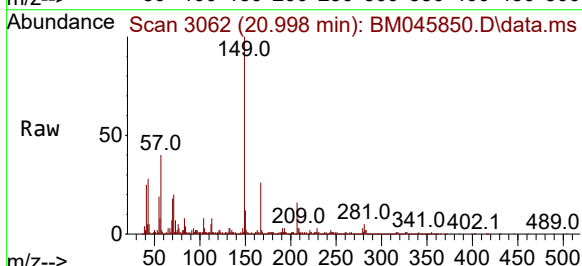
Tgt Ion:149 Resp: 401548

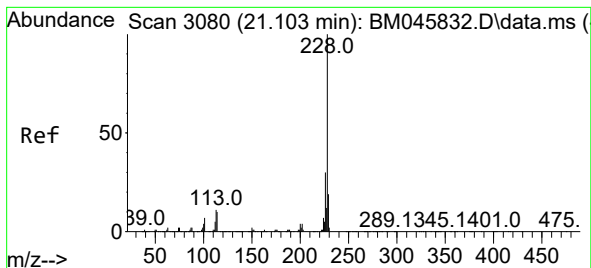
Ion Ratio Lower Upper

149 100

167 25.6 20.4 30.6

279 3.4 3.1 4.7





#87

Chrysene

Concen: 13.027 ng/ul

RT: 21.103 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM045850.D

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A4D20

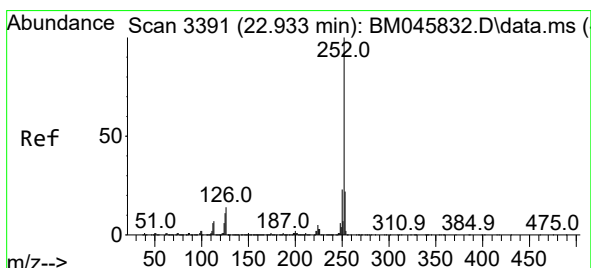
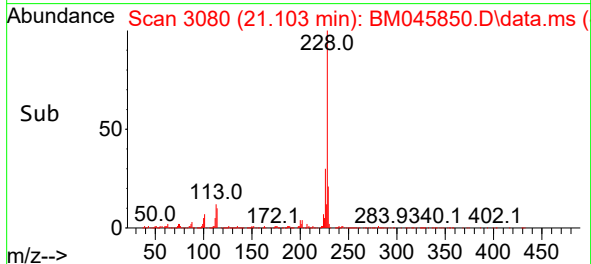
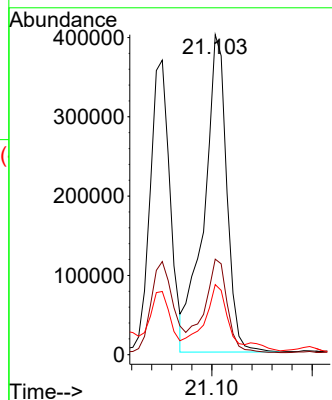
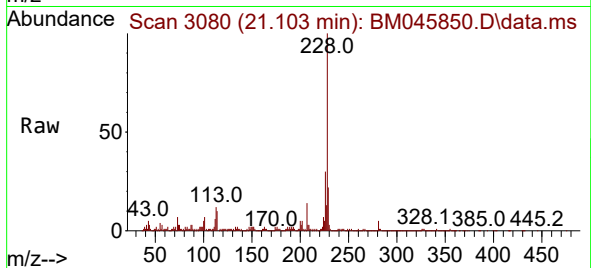
Tgt Ion:228 Resp: 628574

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

229 21.9 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 14.439 ng/ul

RT: 22.939 min Scan# 3392

Delta R.T. 0.000 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

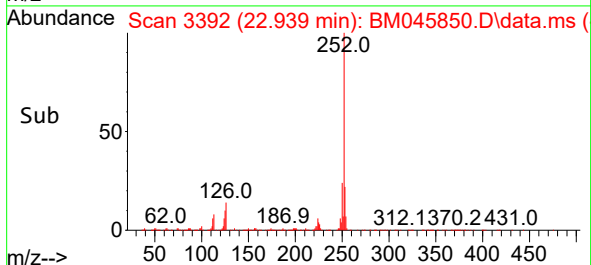
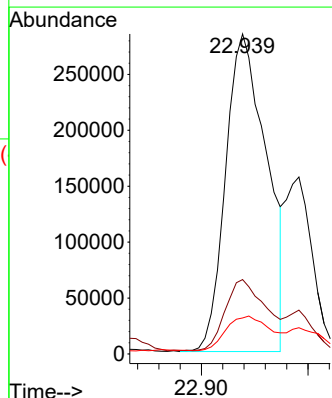
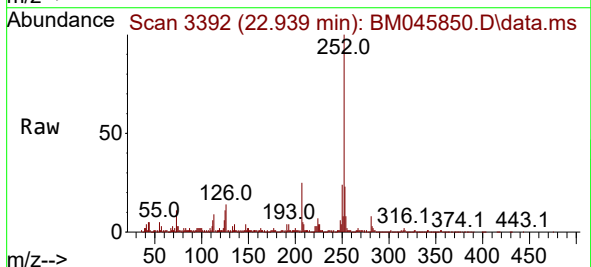
Tgt Ion:252 Resp: 760635

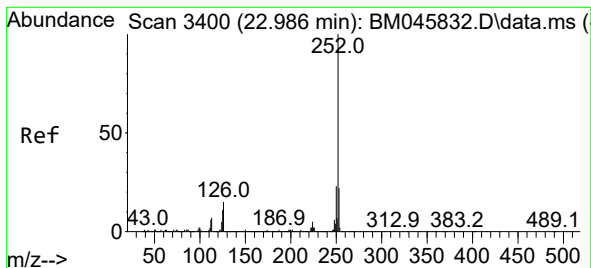
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 11.2 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 14.783 ng/ul

RT: 22.939 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

Instrument :

BNA_M

ClientSampleId :

A4D20

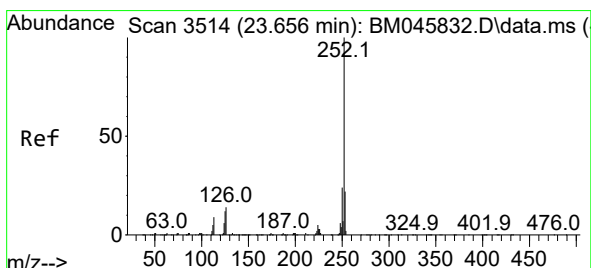
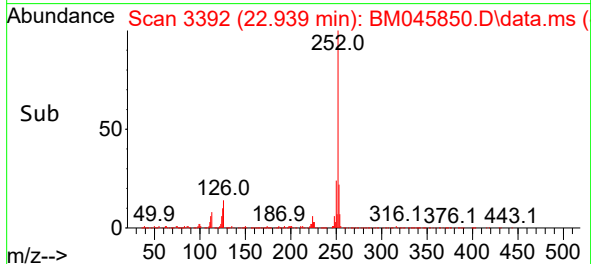
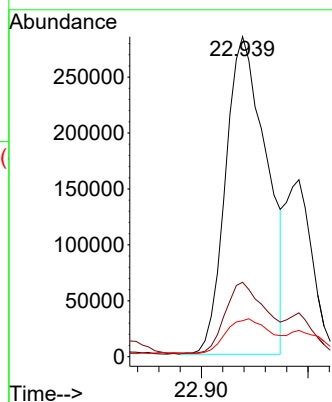
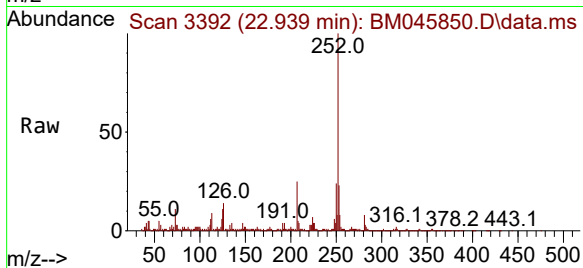
Tgt Ion:252 Resp: 760635

Ion Ratio Lower Upper

252 100

253 23.2 16.8 25.2

125 11.2 8.2 12.4



#93

Benzo(a)pyrene

Concen: 10.688 ng/ul

RT: 23.662 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

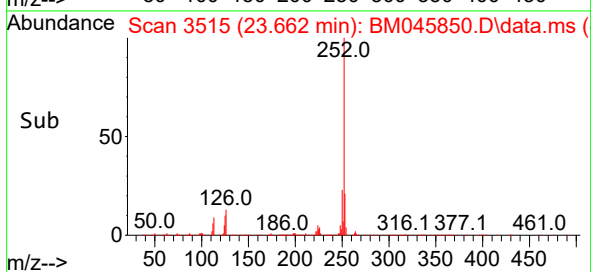
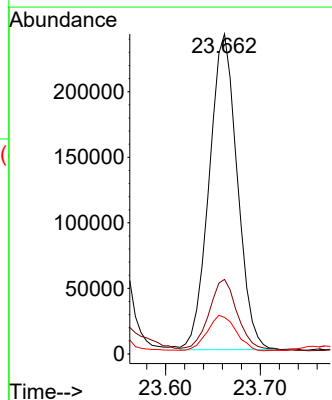
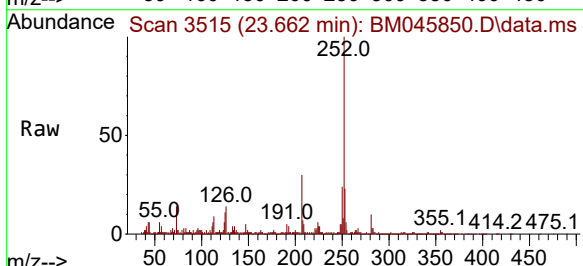
Tgt Ion:252 Resp: 494764

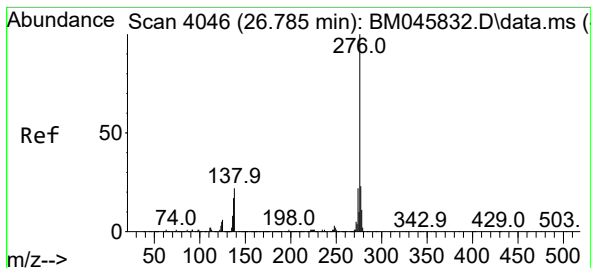
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 11.4 9.3 13.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.054 ng/ul

RT: 26.791 min Scan# 4046

Delta R.T. 0.000 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

Instrument :

BNA_M

ClientSampleId :

A4D20

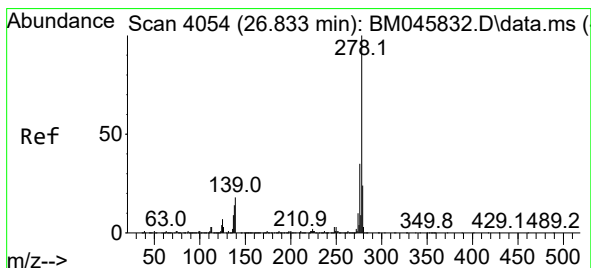
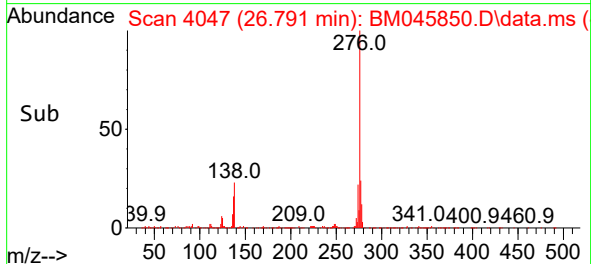
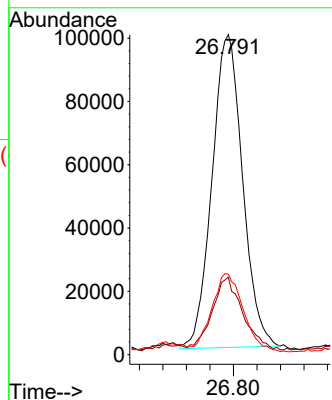
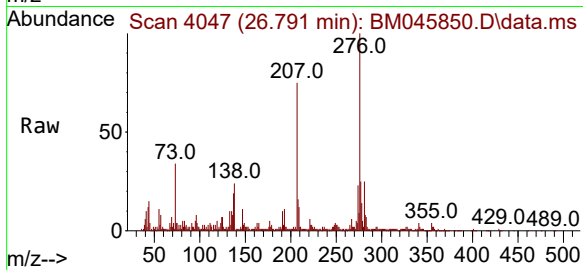
Tgt Ion:276 Resp: 356591

Ion Ratio Lower Upper

276 100

138 24.2 17.9 26.9

277 25.2 19.0 28.6



#95

Dibenzo(a,h)anthracene

Concen: 2.536 ng/ul

RT: 26.827 min Scan# 4053

Delta R.T. -0.012 min

Lab File: BM045850.D

Acq: 05 Jun 2024 14:57

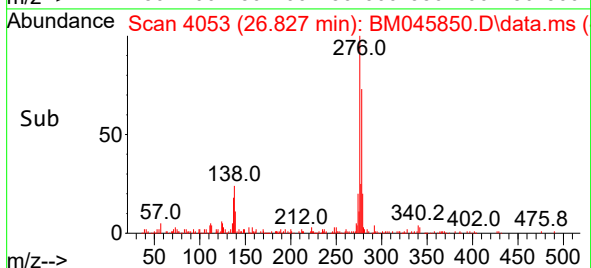
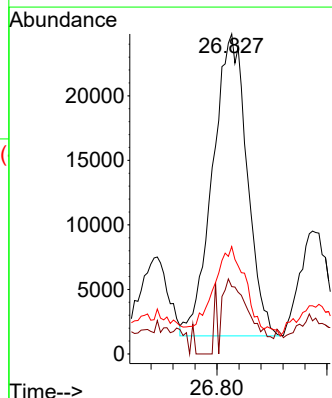
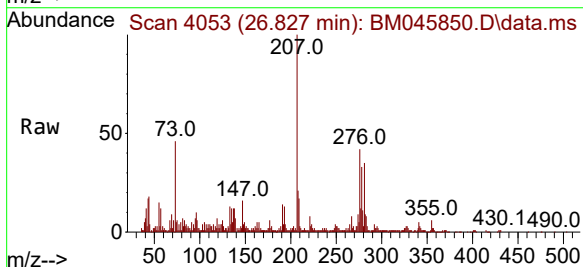
Tgt Ion:278 Resp: 101379

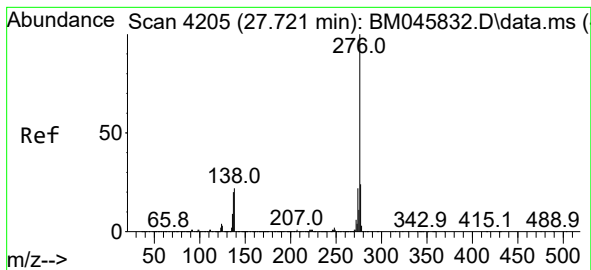
Ion Ratio Lower Upper

278 100

139 21.1 13.2 19.8#

279 33.5 19.1 28.7#





#96
 Benzo(g,h,i)perylene
 Concen: 7.946 ng/ul
 RT: 27.727 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BM045850.D
 Acq: 05 Jun 2024 14:57

Instrument :
 BNA_M
 ClientSampleId :
 A4D20

Tgt Ion:276 Resp: 353797
 Ion Ratio Lower Upper
 276 100
 138 23.1 18.6 27.8
 277 25.6 18.7 28.1

