

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045848.D
 Acq On : 05 Jun 2024 13:37
 Operator : MA/JU
 Sample : P2586-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D14

Quant Time: Jun 06 01:11:30 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	250139	20.000	ng/u1	0.00
20) Naphthalene-d8	10.228	136	1011575	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.104	164	571689	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.851	188	1001246	20.000	ng/u1	0.00
79) Chrysene-d12	21.068	240	745604	20.000	ng/u1	0.00
88) Perylene-d12	23.791	264	887815	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	26404	4.093	ng/uL	0.00
4) Pyridine-d5	3.475	84	375	0.023	ng/u1	0.00
7) Phenol-d5	6.716	99	532739	25.070	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.828	67	400705	26.260	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	438704	27.638	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	387714	24.150	ng/u1	0.00
21) Nitrobenzene-d5	8.628	128	225568	28.520	ng/u1	0.00
24) 2-Nitrophenol-d4	9.339	143	229604	28.684	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.886	165	401007	26.715	ng/u1	0.00
31) 4-Chloroaniline-d4	10.422	131	103331	4.974	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	1142877	28.877	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	1304831	28.391	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	83745	9.804	ng/u1	0.00
60) Fluorene-d10	15.104	176	929771	27.537	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	75113	14.691	ng/u1	0.00
73) Anthracene-d10	16.951	188	1244663	28.595	ng/u1	0.00
81) Pyrene-d10	19.251	212	1226856	26.459	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.609	264	885911	21.350	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.640	77	29350	2.937	ng/u1	94
30) Naphthalene	10.281	128	239341	4.437	ng/u1	98
36) 2-Methylnaphthalene	11.898	142	105278	2.947	ng/u1	98
37) 1-Methylnaphthalene	12.122	142	97421	2.728	ng/u1	92
50) Acenaphthylene	13.827	152	640009	12.032	ng/u1	100
52) Acenaphthene	14.169	153	154460	4.352	ng/u1	98
56) Dibenzofuran	14.510	168	194092	4.055	ng/u1	99
61) Fluorene	15.163	166	210174	5.449	ng/u1	98
72) Phenanthrene	16.898	178	4796901	90.925	ng/u1	99
74) Anthracene	16.986	178	1015307	19.267	ng/u1	99
77) Carbazole	17.274	167	610434	13.576	ng/u1	99
80) Fluoranthene	18.921	202	9605147	170.873	ng/u1	99
82) Pyrene	19.286	202	6828286	118.230	ng/u1	100
85) Benzo(a)anthracene	21.050	228	3729267	72.438	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	20.997	149	45270	1.295	ng/u1#	97
87) Chrysene	21.109	228	4266413	89.582	ng/u1	98
90) Benzo(b)fluoranthene	22.950	252	5985268	109.700	ng/u1	99
91) Benzo(k)fluoranthene	22.950	252	5985268	112.313	ng/u1	97
93) Benzo(a)pyrene	23.668	252	2121956	44.259	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.803	276	1976790	37.756	ng/u1	98
95) Dibenzo(a,h)anthracene	26.826	278	651946	15.743	ng/u1	94
96) Benzo(g,h,i)perylene	27.732	276	271427	5.886	ng/u1	97

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 31 13:01:11 2024
Response via : Initial Calibration

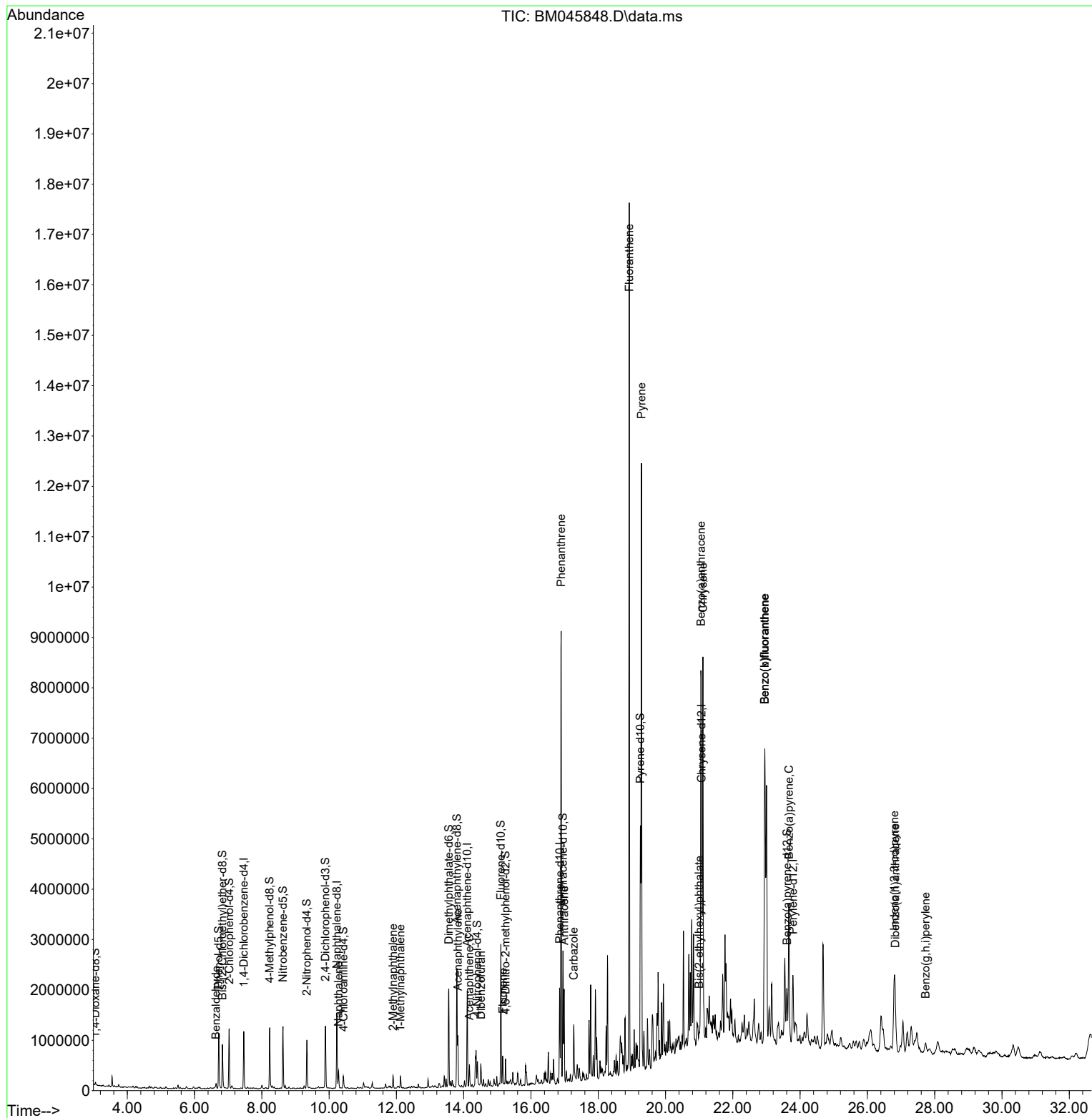
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

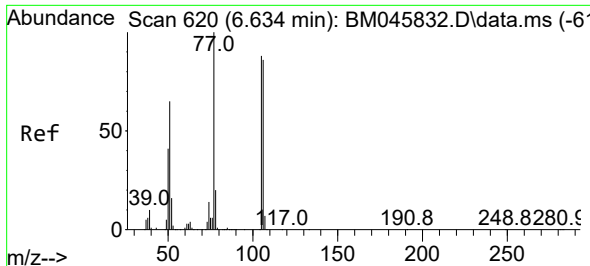
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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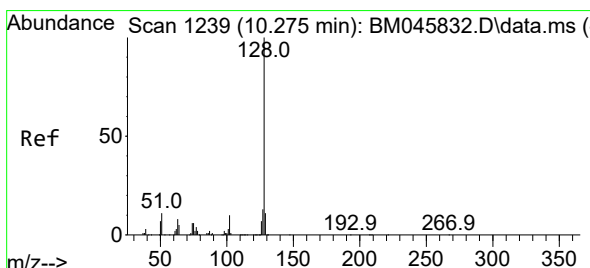
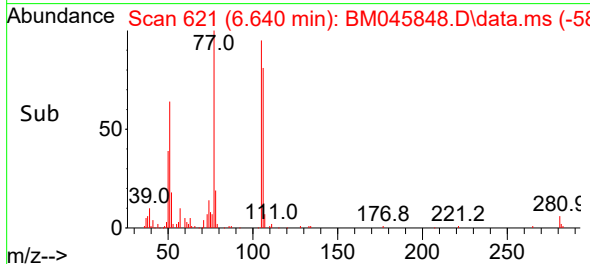
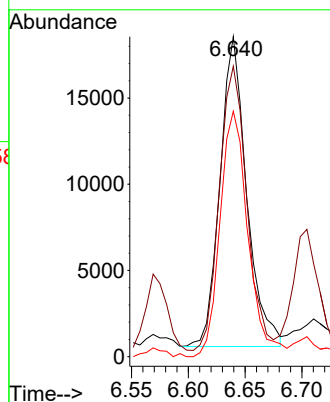
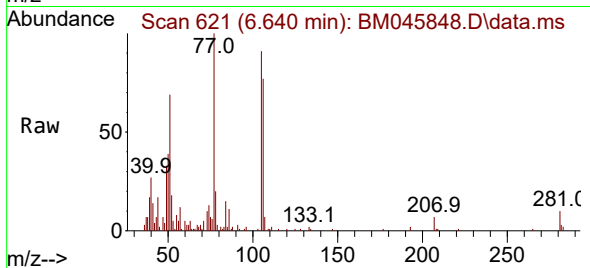




#6
Benzaldehyde
Concen: 2.937 ng/ul
RT: 6.640 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

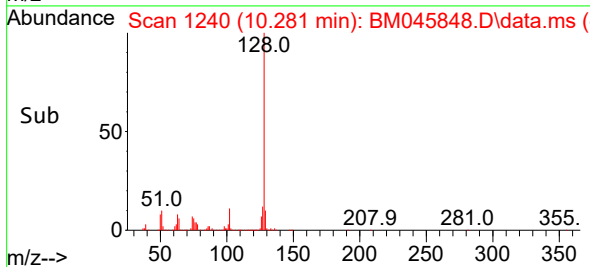
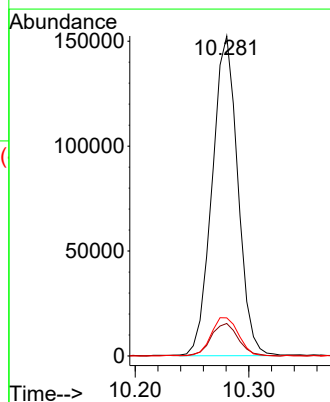
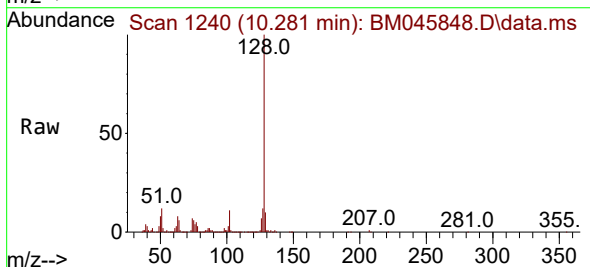
Instrument :
BNA_M
ClientSampleId :
A4D14

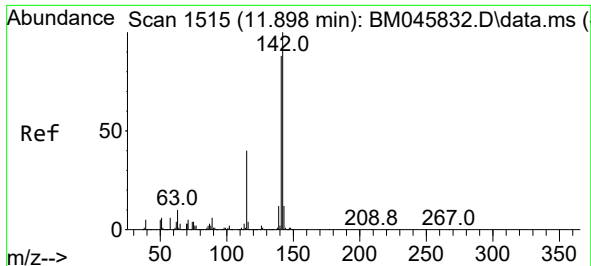
Tgt Ion: 77 Resp: 29350
Ion Ratio Lower Upper
77 100
105 90.8 72.7 109.1
106 76.7 70.8 106.2



#30
Naphthalene
Concen: 4.437 ng/ul
RT: 10.281 min Scan# 1240
Delta R.T. -0.006 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

Tgt Ion: 128 Resp: 239341
Ion Ratio Lower Upper
128 100
129 10.2 8.3 12.5
127 11.9 10.3 15.5

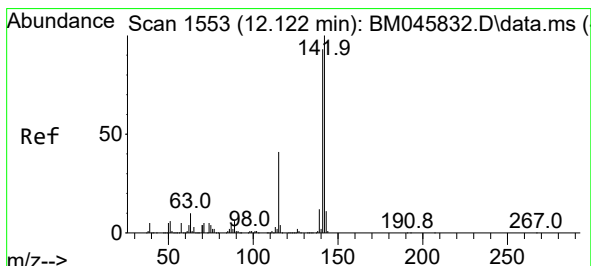
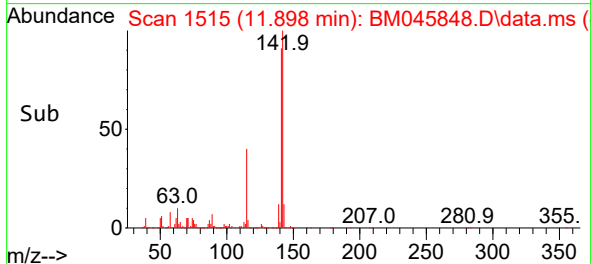
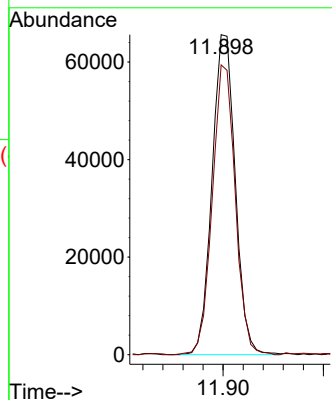
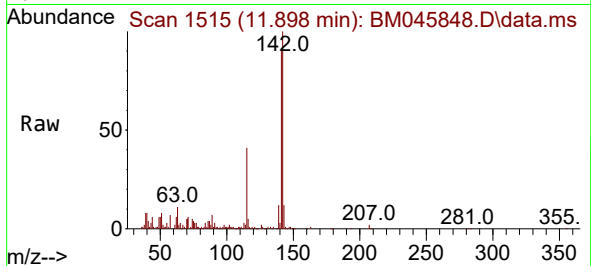




#36
2-Methylnaphthalene
Concen: 2.947 ng/ul
RT: 11.898 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

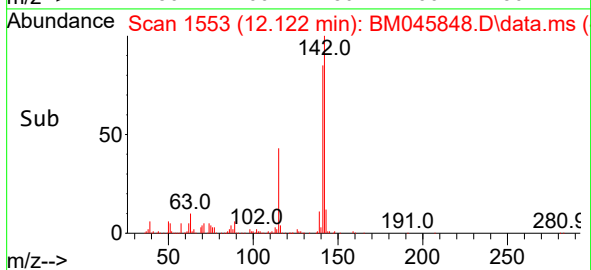
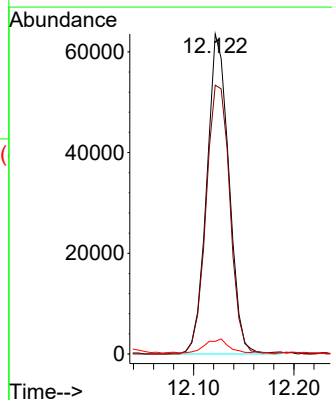
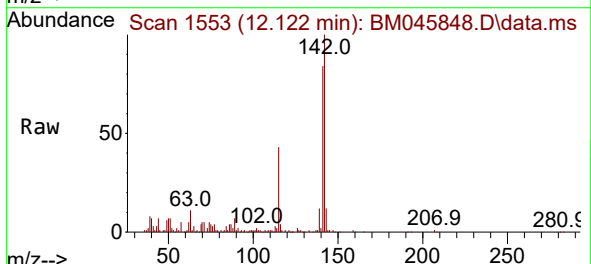
Instrument :
BNA_M
ClientSampleId :
A4D14

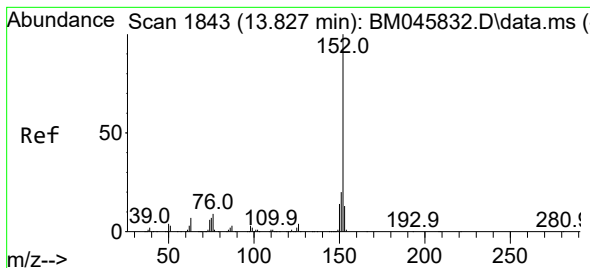
Tgt Ion:142 Resp: 105278
Ion Ratio Lower Upper
142 100
141 90.5 71.1 106.7



#37
1-Methylnaphthalene
Concen: 2.728 ng/ul
RT: 12.122 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

Tgt Ion:142 Resp: 97421
Ion Ratio Lower Upper
142 100
141 84.0 73.5 110.3
116 4.0 3.3 4.9





#50

Acenaphthylene

Concen: 12.032 ng/ul

RT: 13.827 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

Instrument :

BNA_M

ClientSampleId :

A4D14

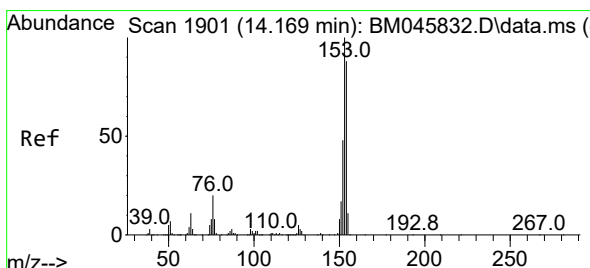
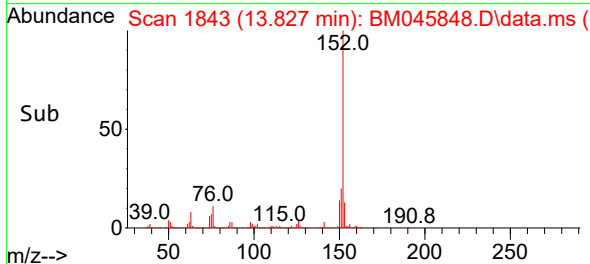
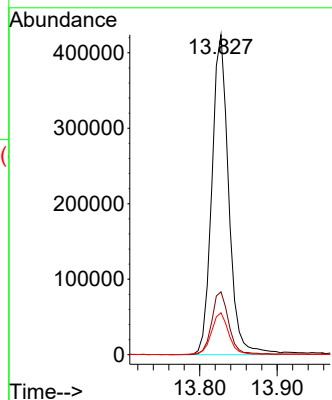
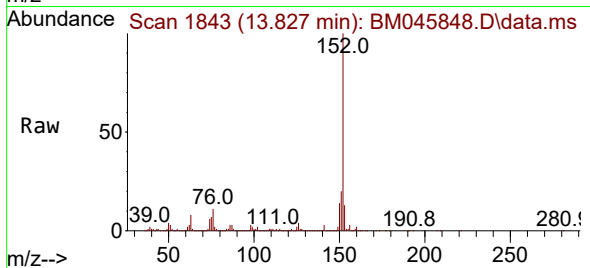
Tgt Ion:152 Resp: 640009

Ion Ratio Lower Upper

152 100

151 19.7 15.6 23.4

153 13.1 10.4 15.6



#52

Acenaphthene

Concen: 4.352 ng/ul

RT: 14.169 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

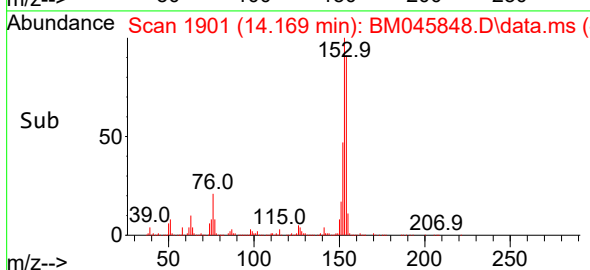
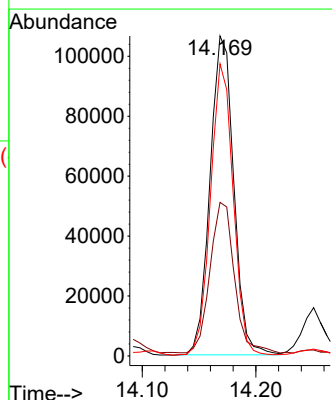
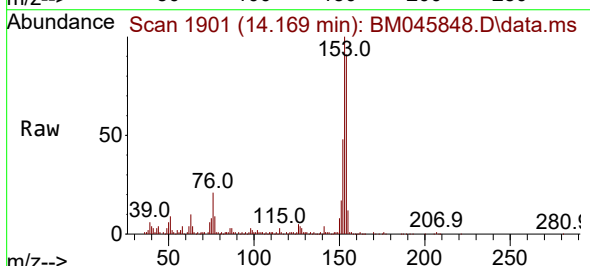
Tgt Ion:153 Resp: 154460

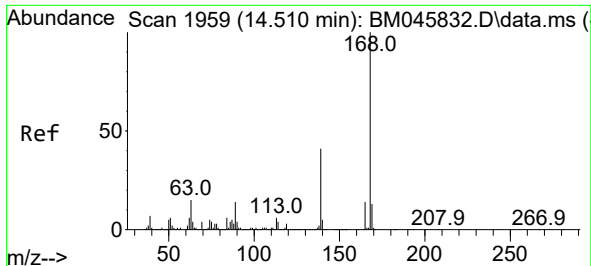
Ion Ratio Lower Upper

153 100

152 48.0 38.6 58.0

154 91.3 70.7 106.1

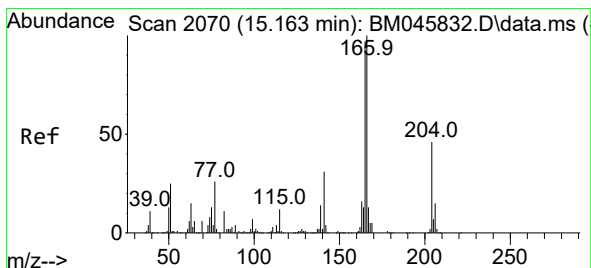
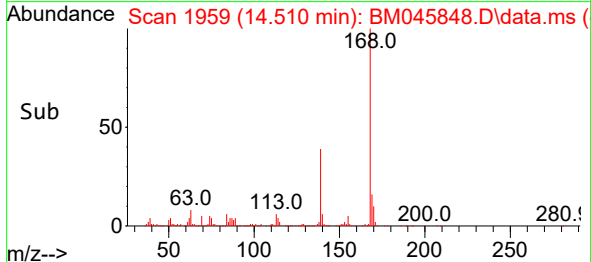
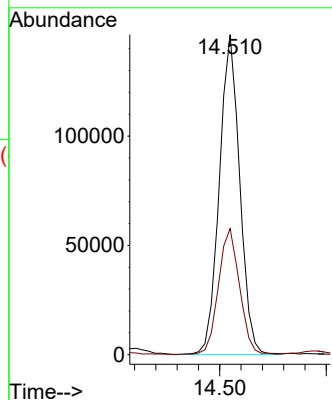
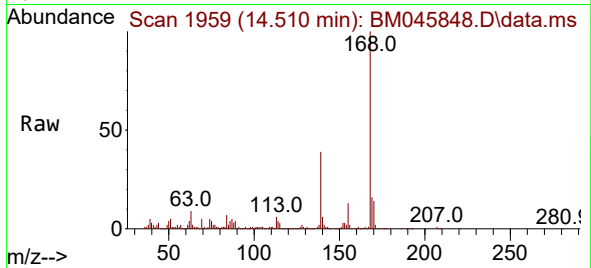




#56
Dibenzenofuran
Concen: 4.055 ng/ul
RT: 14.510 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

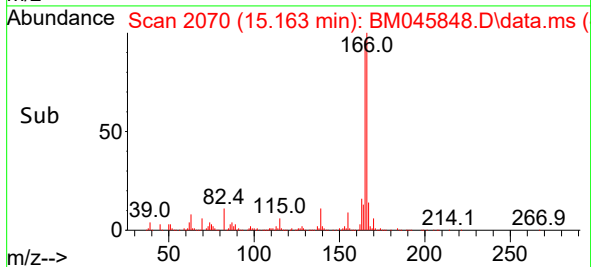
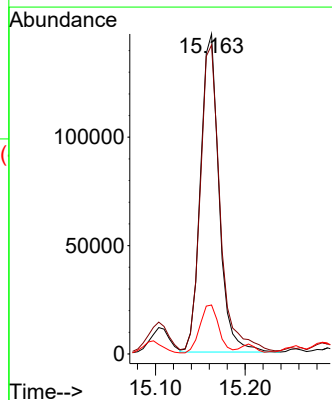
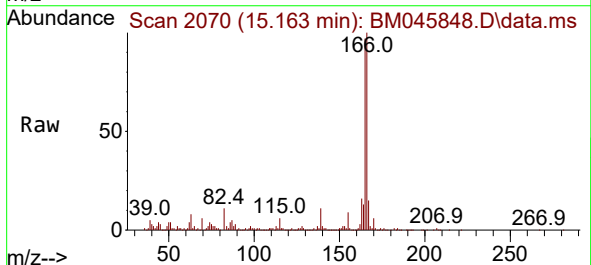
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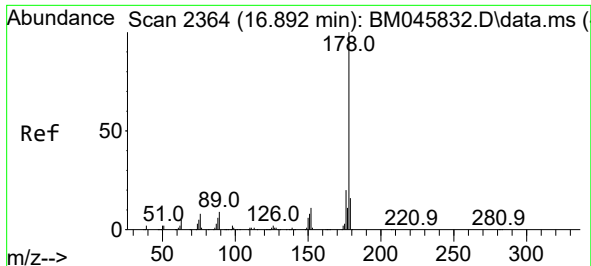
Tgt Ion:168 Resp: 194092
Ion Ratio Lower Upper
168 100
139 39.4 32.2 48.2



#61
Fluorene
Concen: 5.449 ng/ul
RT: 15.163 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

Tgt Ion:166 Resp: 210174
Ion Ratio Lower Upper
166 100
165 96.6 78.1 117.1
167 15.3 10.6 16.0

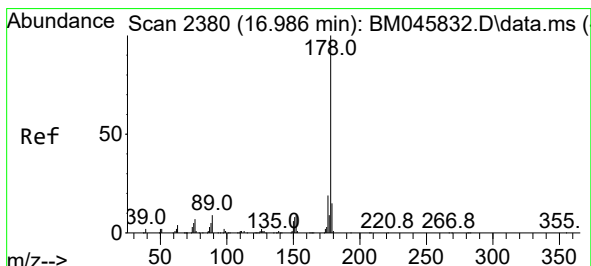
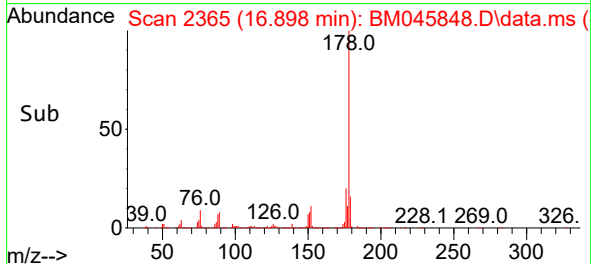
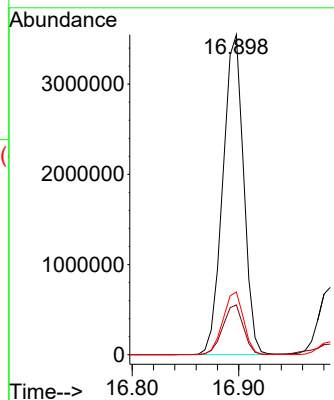
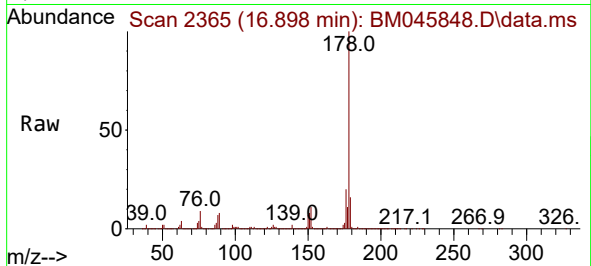




#72
Phenanthrene
Concen: 90.925 ng/ul
RT: 16.898 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

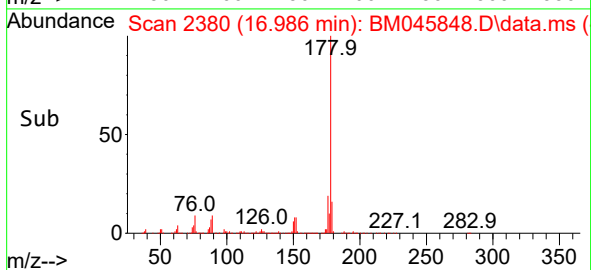
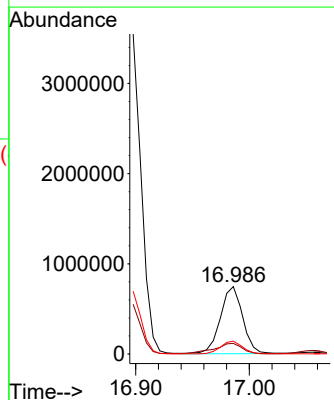
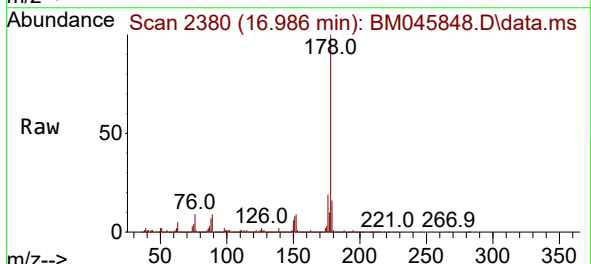
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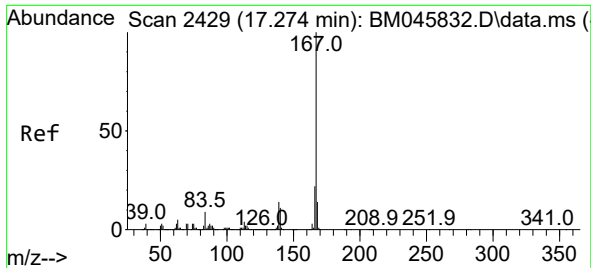
Tgt Ion:178 Resp: 4796901
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.6 15.3 22.9



#74
Anthracene
Concen: 19.267 ng/ul
RT: 16.986 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BM045848.D
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Tgt Ion:178 Resp: 1015307
Ion Ratio Lower Upper
178 100
179 15.8 12.0 18.0
176 19.1 15.0 22.6

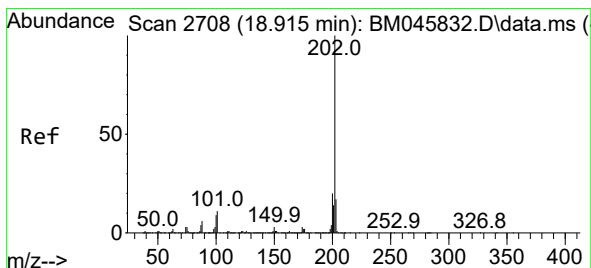
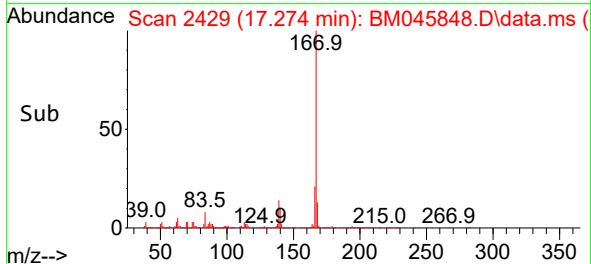
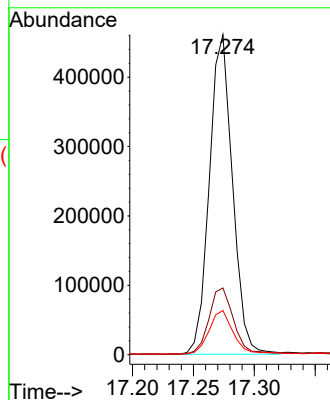
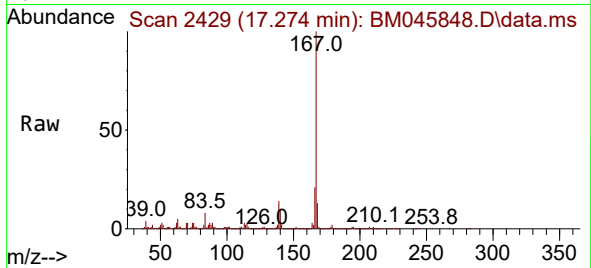




#77
 Carbazole
 Concen: 13.576 ng/ul
 RT: 17.274 min Scan# 2429
 Delta R.T. -0.006 min
 Lab File: BM045848.D
 Acq: 05 Jun 2024 13:37

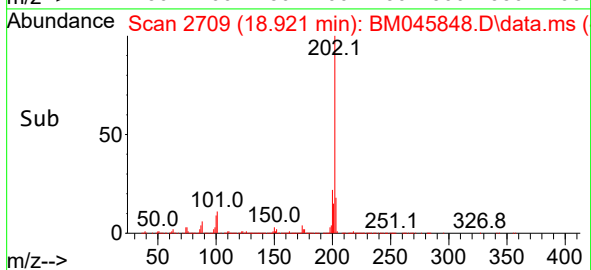
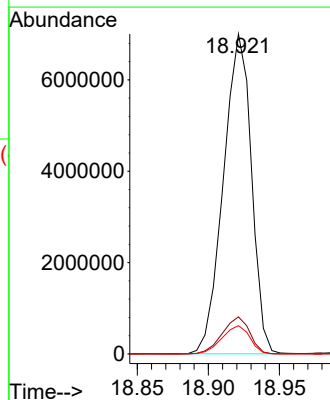
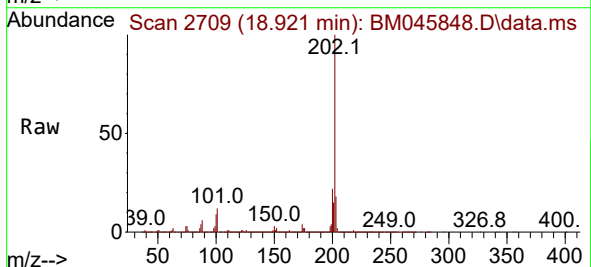
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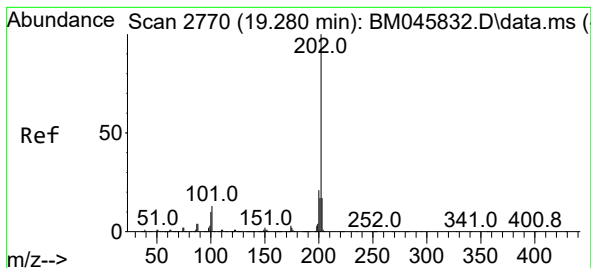
Tgt Ion:167 Resp: 610434
 Ion Ratio Lower Upper
 167 100
 166 20.8 16.6 24.8
 139 13.8 10.6 16.0



#80
 Fluoranthene
 Concen: 170.873 ng/ul
 RT: 18.921 min Scan# 2709
 Delta R.T. -0.000 min
 Lab File: BM045848.D
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Tgt Ion:202 Resp: 9605147
 Ion Ratio Lower Upper
 202 100
 101 11.6 8.9 13.3
 100 8.8 6.6 10.0





#82

Pyrene

Concen: 118.230 ng/ul

RT: 19.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

Instrument :

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ClientSampleId :

A4D14

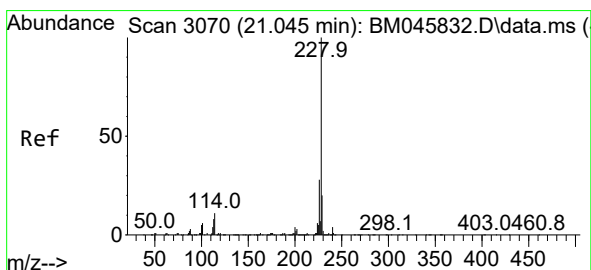
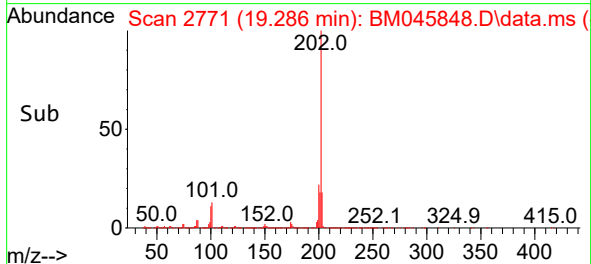
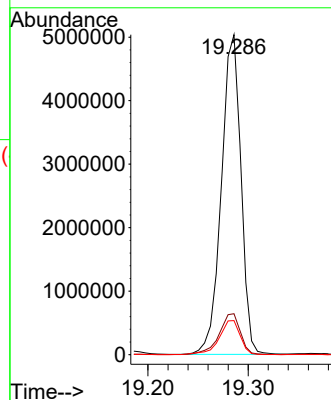
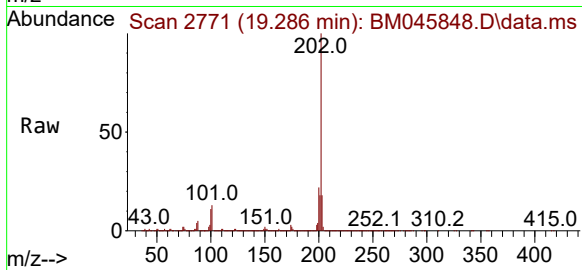
Tgt Ion:202 Resp: 6828286

Ion Ratio Lower Upper

202 100

101 12.8 10.5 15.7

100 10.7 8.6 12.8



#85

Benzo(a)anthracene

Concen: 72.438 ng/ul

RT: 21.050 min Scan# 3071

Delta R.T. -0.000 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

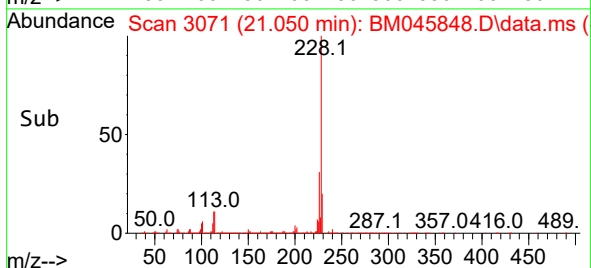
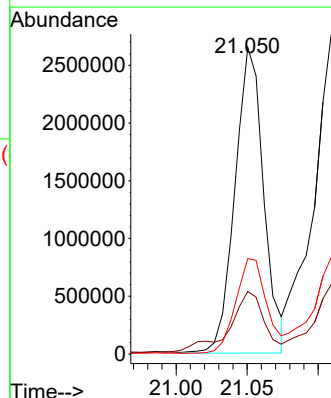
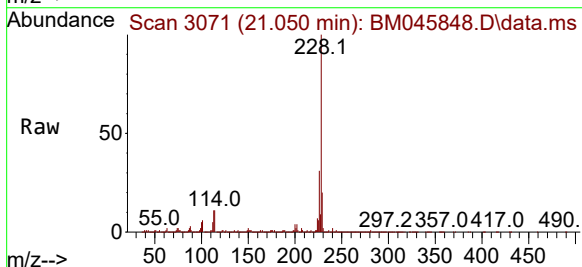
Tgt Ion:228 Resp: 3729267

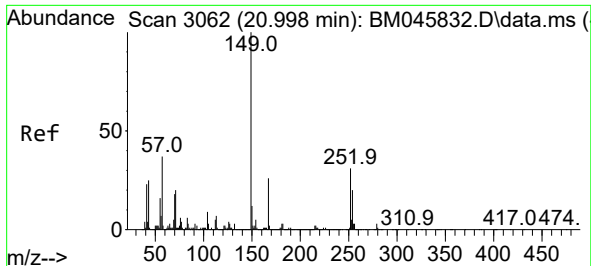
Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.8

226 31.1 21.4 32.0

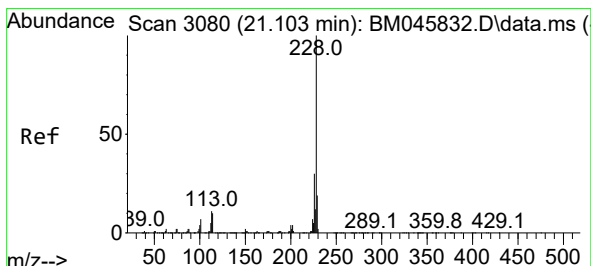
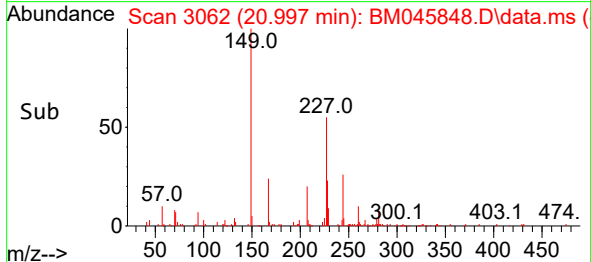
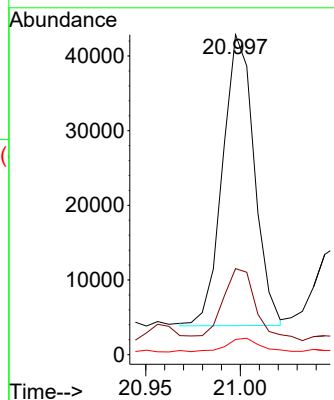
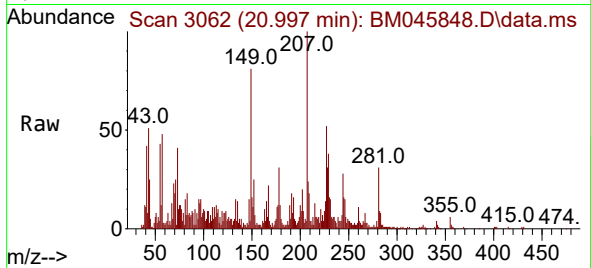




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.295 ng/ul
 RT: 20.997 min Scan# 3062
 Delta R.T. -0.012 min
 Lab File: BM045848.D
 Acq: 05 Jun 2024 13:37

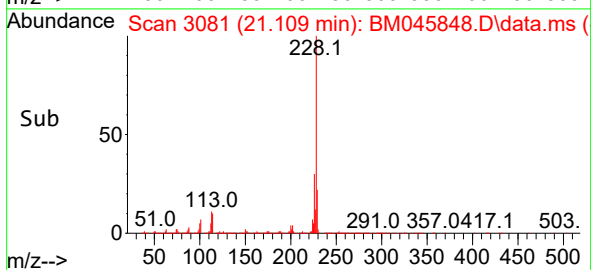
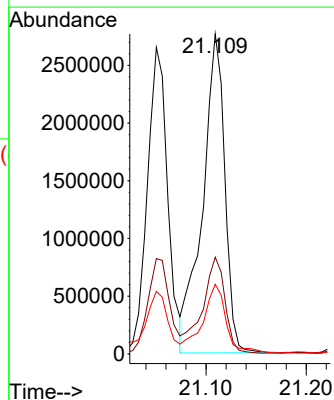
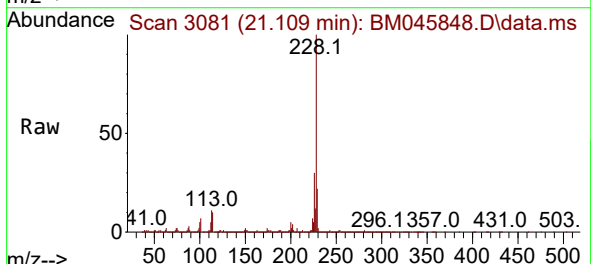
Instrument :
 BNA_M
 ClientSampleId :
 A4D14

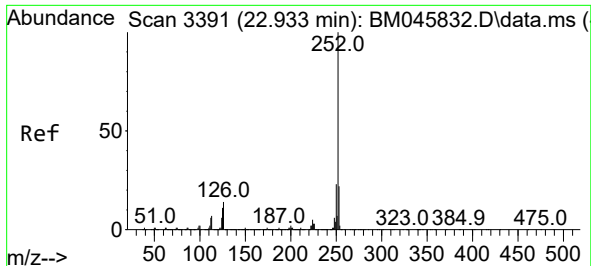
Tgt Ion:149 Resp: 45270
 Ion Ratio Lower Upper
 149 100
 167 26.9 20.4 30.6
 279 4.7 3.1 4.7#



#87
 Chrysene
 Concen: 89.582 ng/ul
 RT: 21.109 min Scan# 3081
 Delta R.T. -0.000 min
 Lab File: BM045848.D
 Acq: 05 Jun 2024 13:37

Tgt Ion:228 Resp: 4266413
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.2 36.2
 229 21.8 15.2 22.8

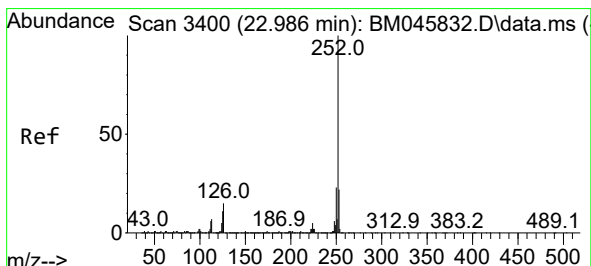
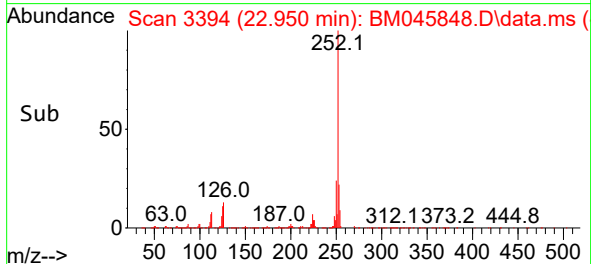
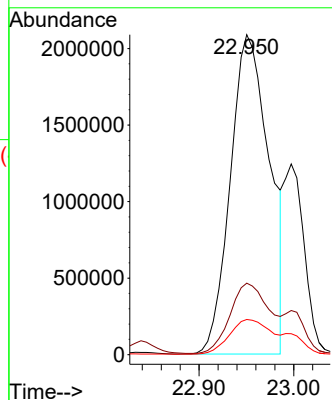
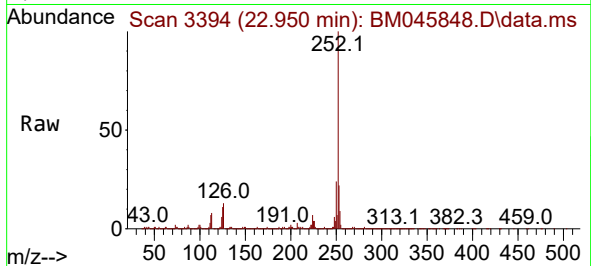




#90
Benzo(b)fluoranthene
Concen: 109.700 ng/ul
RT: 22.950 min Scan# 3394
Delta R.T. 0.012 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

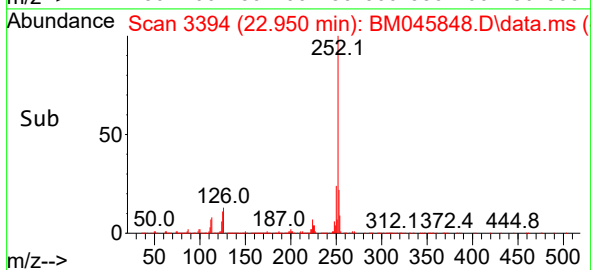
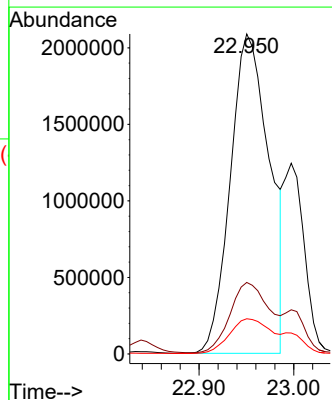
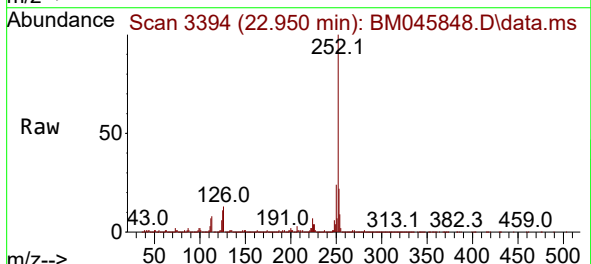
Instrument :
BNA_M
ClientSampleId :
A4D14

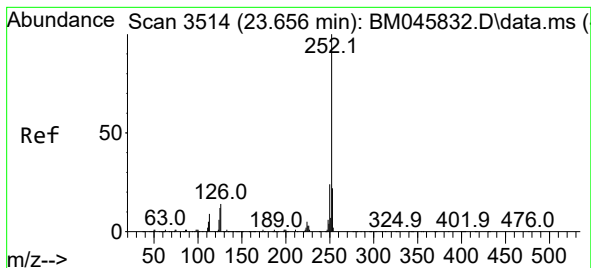
Tgt Ion:252 Resp: 5985268
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.0 8.4 12.6



#91
Benzo(k)fluoranthene
Concen: 112.313 ng/ul
RT: 22.950 min Scan# 3394
Delta R.T. -0.047 min
Lab File: BM045848.D
Acq: 05 Jun 2024 13:37

Tgt Ion:252 Resp: 5985268
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 11.0 8.2 12.4





#93

Benzo(a)pyrene

Concen: 44.259 ng/ul

RT: 23.668 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

Instrument :

BNA_M

ClientSampleId :

A4D14

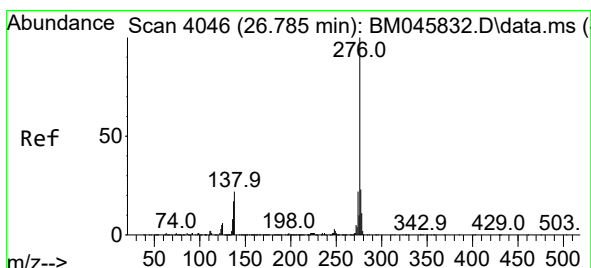
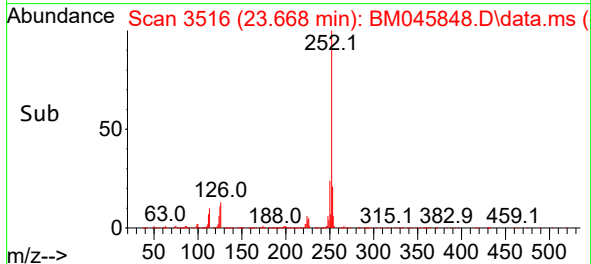
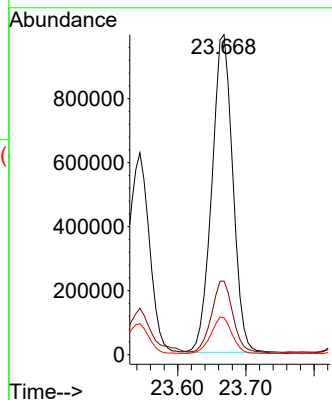
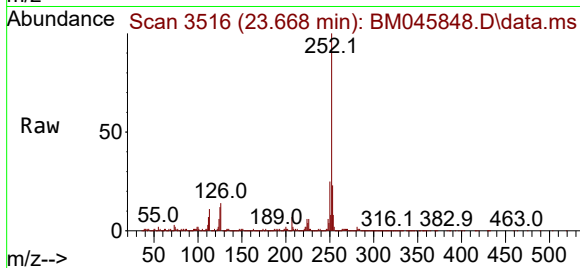
Tgt Ion:252 Resp: 2121956

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 11.5 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 37.756 ng/ul

RT: 26.803 min Scan# 4049

Delta R.T. 0.012 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

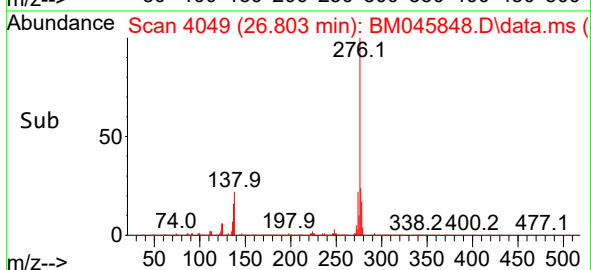
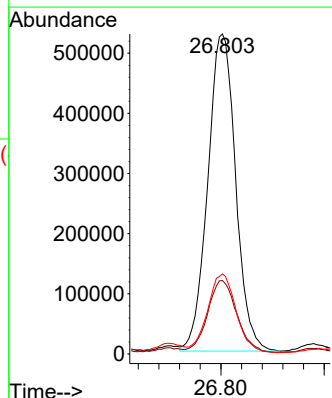
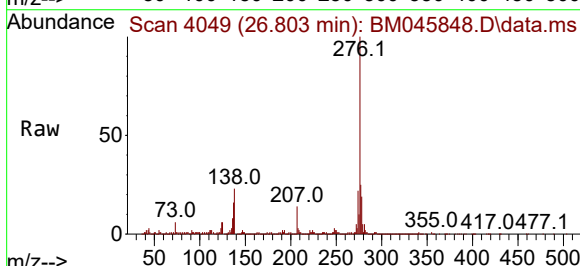
Tgt Ion:276 Resp: 1976790

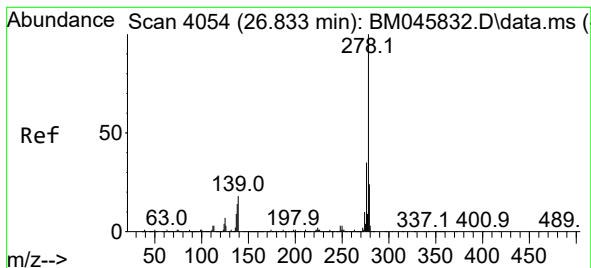
Ion Ratio Lower Upper

276 100

138 22.9 17.9 26.9

277 25.0 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 15.743 ng/ul

RT: 26.826 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

Instrument :

BNA_M

ClientSampleId :

A4D14

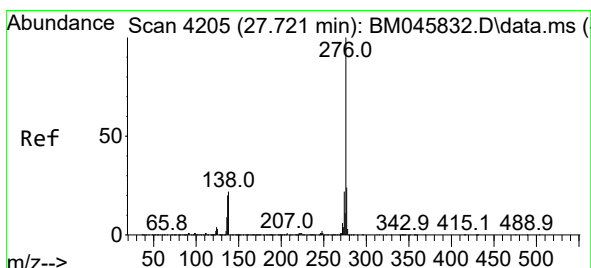
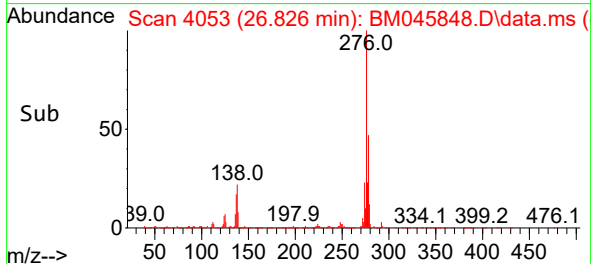
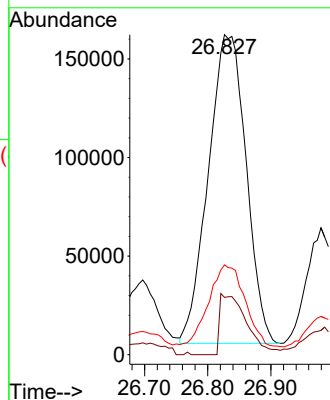
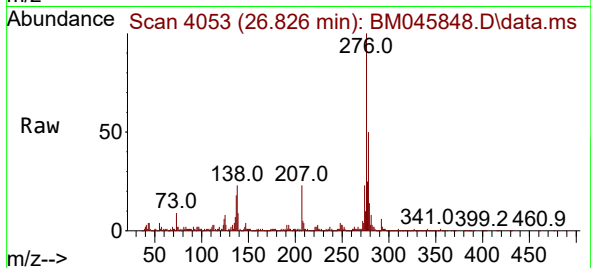
Tgt Ion:278 Resp: 651946

Ion Ratio Lower Upper

278 100

139 17.9 13.2 19.8

279 28.1 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 5.886 ng/ul

RT: 27.732 min Scan# 4207

Delta R.T. 0.006 min

Lab File: BM045848.D

Acq: 05 Jun 2024 13:37

Tgt Ion:276 Resp: 271427

Ion Ratio Lower Upper

276 100

138 24.1 18.6 27.8

277 25.6 18.7 28.1

