

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122624\
 Data File : BM049224.D
 Acq On : 26 Dec 2024 13:52
 Operator : RC/JU
 Sample : PB165772BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS772

Quant Time: Dec 26 21:57:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

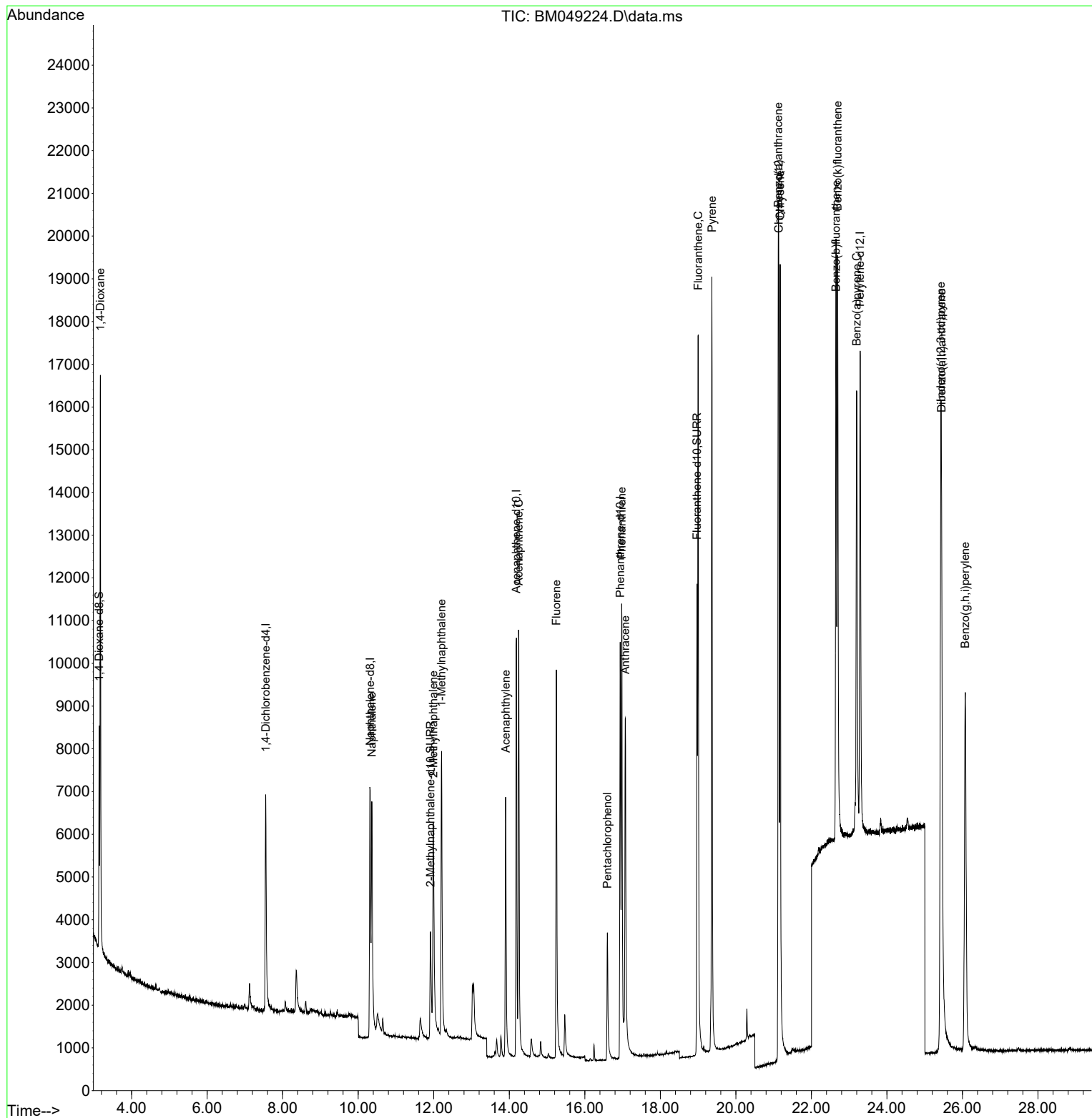
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	3600	0.400	ng/ul	0.00
4) Naphthalene-d8	10.315	136	10709	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.187	164	6560	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.939	188	14367	0.400	ng/ul	0.00
17) Chrysene-d12	21.137	240	13646	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	15620	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	2899	0.698	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152	5425	0.377	ng/ul	0.00
18) Fluoranthene-d10	18.970	212	14041	0.363	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	7994	1.647	ng/ul#	77
5) Naphthalene	10.359	128	9440	0.352	ng/ul	98
7) 2-Methylnaphthalene	11.987	142	5772	0.340	ng/ul	99
8) 1-Methylnaphthalene	12.207	142	6192	0.356	ng/ul	97
10) Acenaphthylene	13.905	152	8926	0.328	ng/ul	99
11) Acenaphthene	14.248	153	6854	0.345	ng/ul	99
12) Fluorene	15.247	166	7811	0.349	ng/ul	97
14) Pentachlorophenol	16.597	266	2731	0.688	ng/ul	95
15) Phenanthrene	16.977	178	12736	0.339	ng/ul	99
16) Anthracene	17.069	178	11936	0.347	ng/ul	98
19) Fluoranthene	19.002	202	16861	0.342	ng/ul	100
20) Pyrene	19.365	202	18009	0.342	ng/ul	99
21) Benzo(a)anthracene	21.122	228	16098	0.339	ng/ul	99
22) Chrysene	21.172	228	18565	0.364	ng/ul	99
24) Benzo(b)fluoranthene	22.651	252	18102	0.363	ng/ul	98
25) Benzo(k)fluoranthene	22.691	252	20085	0.367	ng/ul	99
26) Benzo(a)pyrene	23.197	252	17103	0.357	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.427	276	23163	0.342	ng/ul	99
28) Dibenzo(a,h)anthracene	25.443	278	17902	0.340	ng/ul	98
29) Benzo(g,h,i)perylene	26.074	276	19003	0.349	ng/ul	99

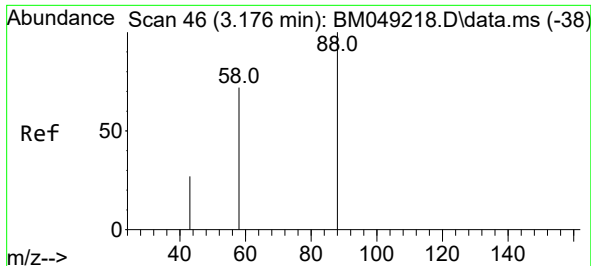
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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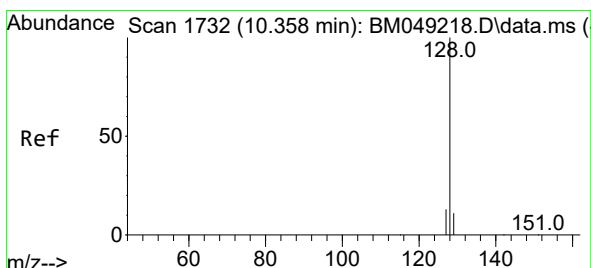
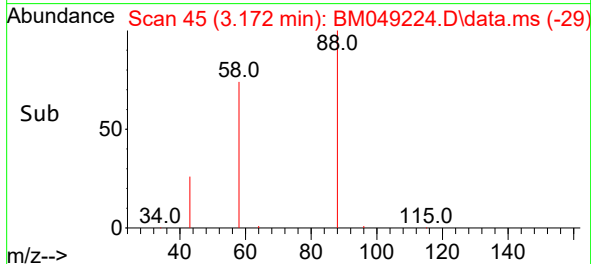
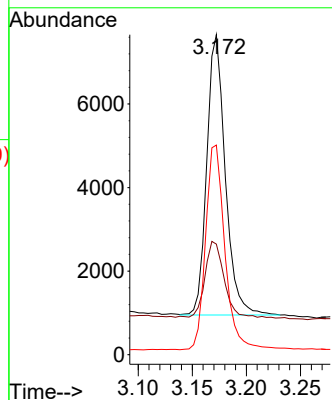
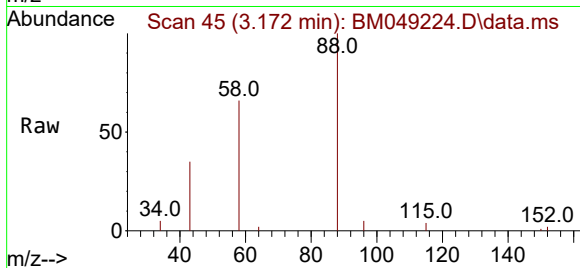




#2
1,4-Dioxane
Concen: 1.647 ng/ul
RT: 3.172 min Scan# 46
Delta R.T. -0.004 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

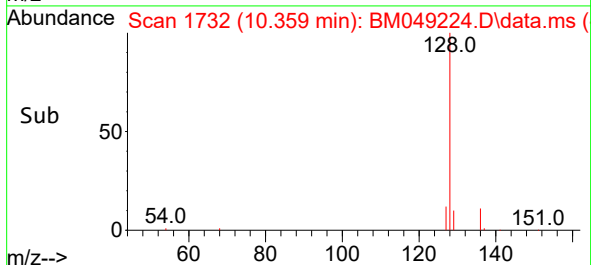
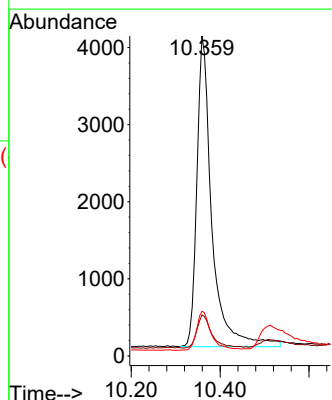
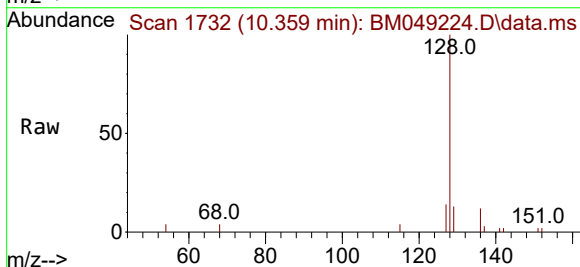
Instrument :
BNA_M
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SLCS772

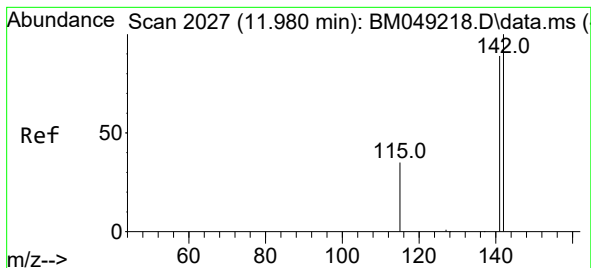
Tgt Ion: 88 Resp: 7994
Ion Ratio Lower Upper
88 100
43 34.5 45.4 68.2#
58 65.5 43.6 65.4#



#5
Naphthalene
Concen: 0.352 ng/ul
RT: 10.359 min Scan# 1732
Delta R.T. 0.001 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion: 128 Resp: 9440
Ion Ratio Lower Upper
128 100
129 12.8 9.7 14.5
127 14.0 10.6 16.0

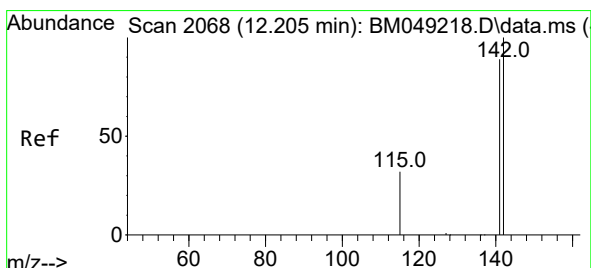
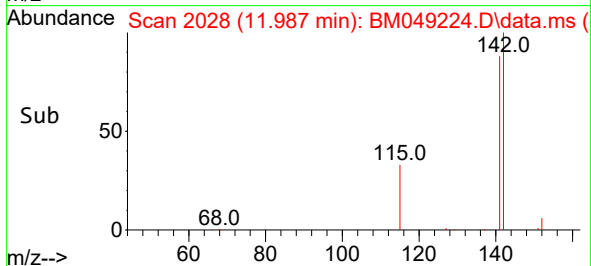
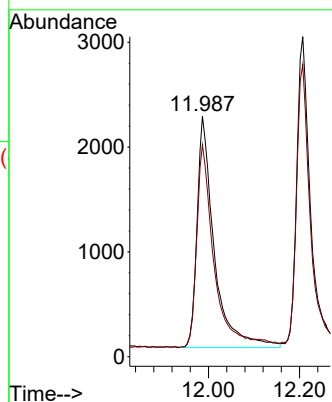
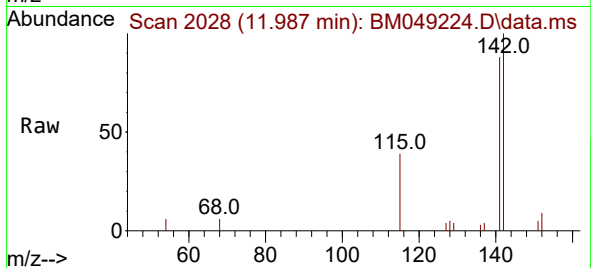




#7
2-Methylnaphthalene
Concen: 0.340 ng/ul
RT: 11.987 min Scan# 2027
Delta R.T. 0.007 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

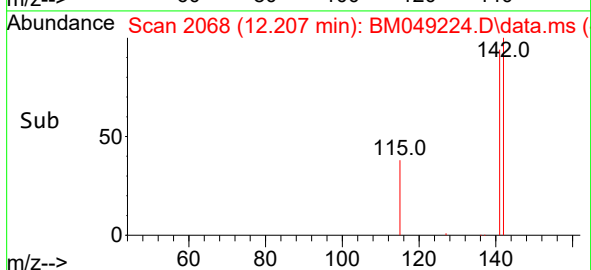
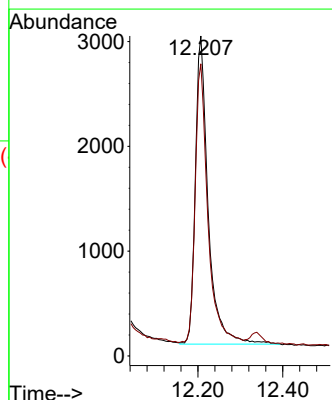
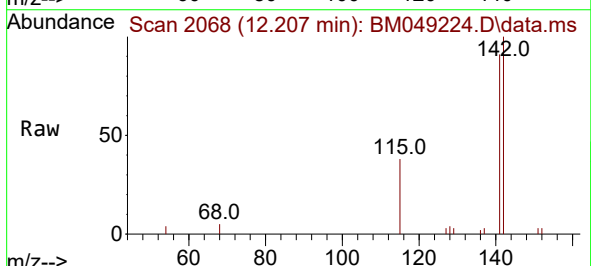
Instrument :
BNA_M
ClientSampleId :
SLCS772

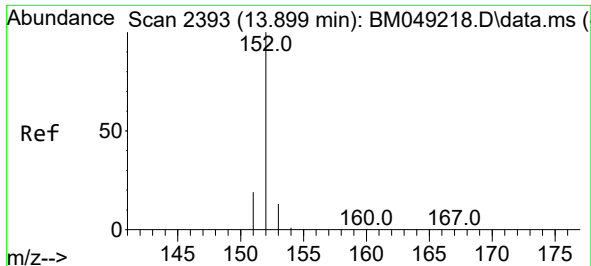
Tgt Ion:142 Resp: 5772
Ion Ratio Lower Upper
142 100
141 88.4 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.356 ng/ul
RT: 12.207 min Scan# 2068
Delta R.T. 0.001 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion:142 Resp: 6192
Ion Ratio Lower Upper
142 100
141 88.4 72.7 109.1

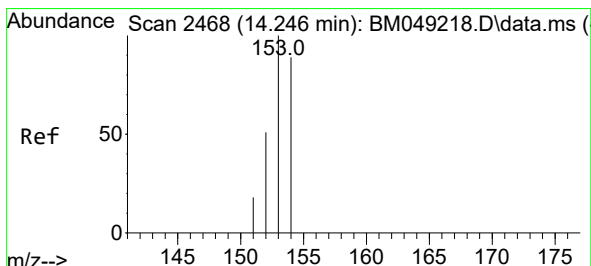
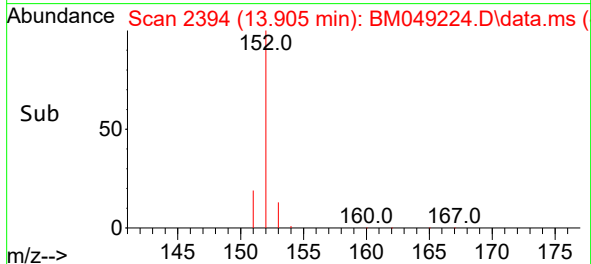
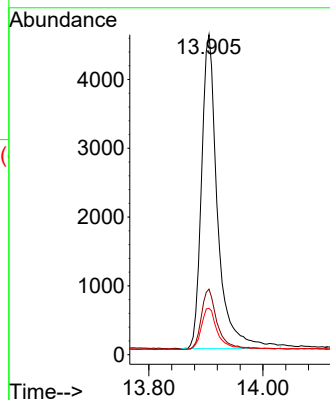
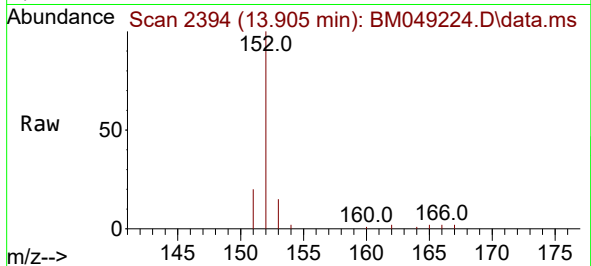




#10
Acenaphthylene
Concen: 0.328 ng/ul
RT: 13.905 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

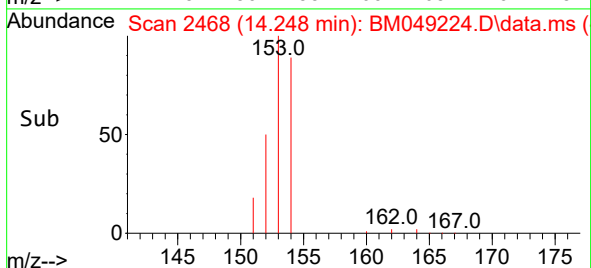
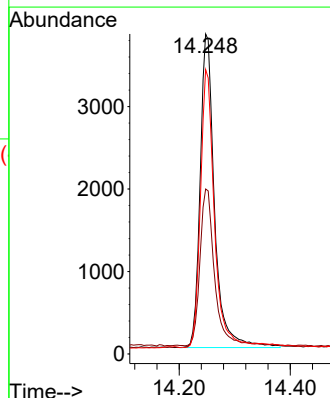
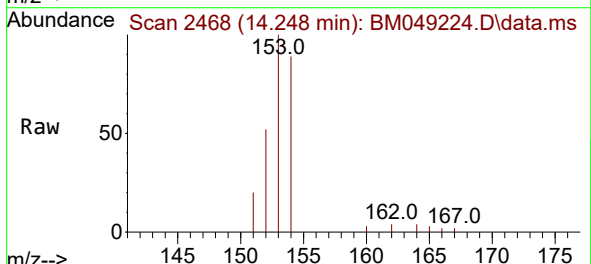
Instrument :
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ClientSampleId :
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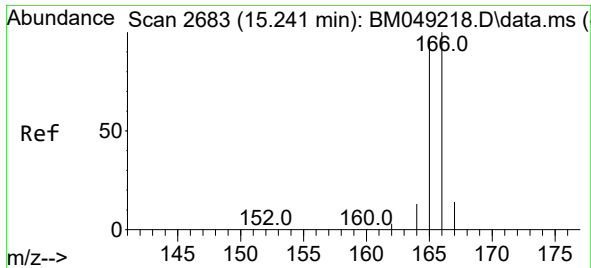
Tgt Ion:152 Resp: 8926
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 14.5 11.0 16.6



#11
Acenaphthene
Concen: 0.345 ng/ul
RT: 14.248 min Scan# 2468
Delta R.T. 0.001 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion:153 Resp: 6854
Ion Ratio Lower Upper
153 100
152 51.5 40.7 61.1
154 88.9 70.8 106.2

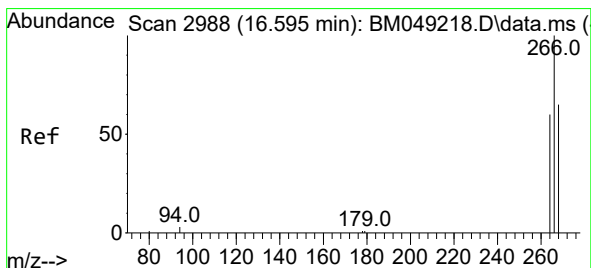
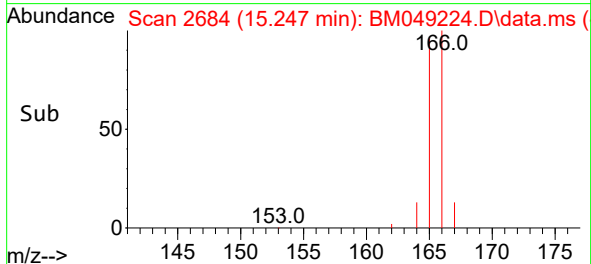
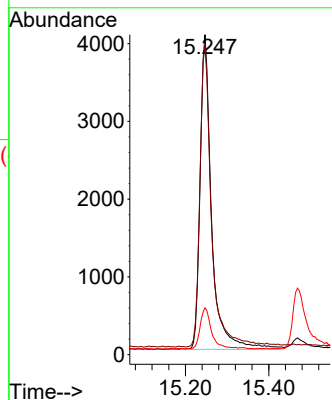
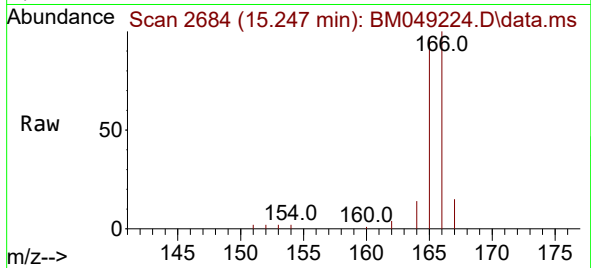




#12
 Fluorene
 Concen: 0.349 ng/ul
 RT: 15.247 min Scan# 2083
 Delta R.T. 0.006 min
 Lab File: BM049224.D
 Acq: 26 Dec 2024 13:52

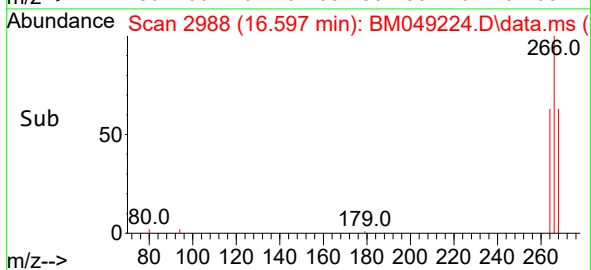
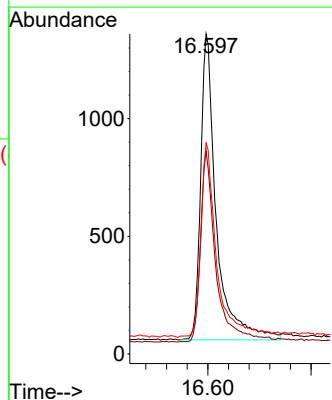
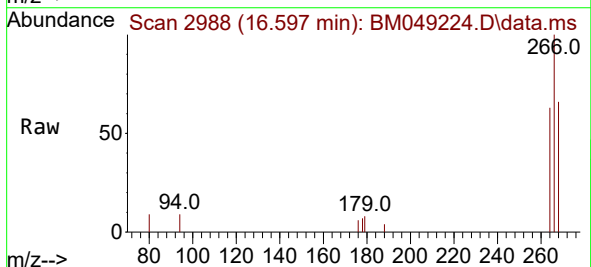
Instrument :
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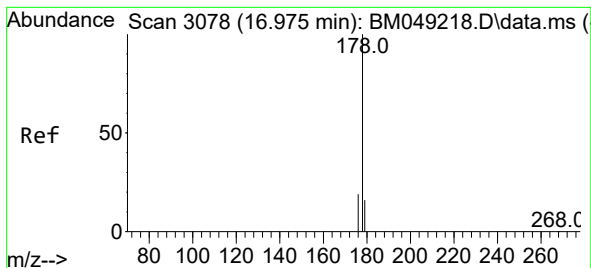
Tgt Ion:166 Resp: 7811
 Ion Ratio Lower Upper
 166 100
 165 96.7 79.7 119.5
 167 14.7 11.4 17.0



#14
 Pentachlorophenol
 Concen: 0.688 ng/ul
 RT: 16.597 min Scan# 2988
 Delta R.T. 0.001 min
 Lab File: BM049224.D
 Acq: 26 Dec 2024 13:52

Tgt Ion:266 Resp: 2731
 Ion Ratio Lower Upper
 266 100
 264 61.1 48.3 72.5
 268 66.8 47.5 71.3





#15

Phenanthrene

Concen: 0.339 ng/ul

RT: 16.977 min Scan# 3078

Delta R.T. 0.001 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

Instrument :

BNA_M

ClientSampleId :

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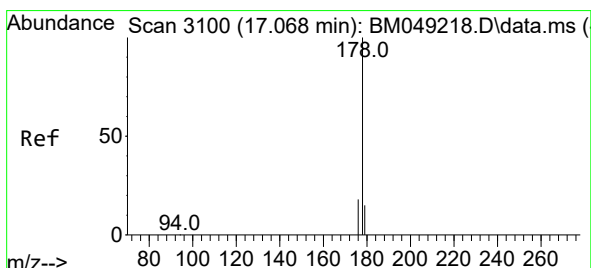
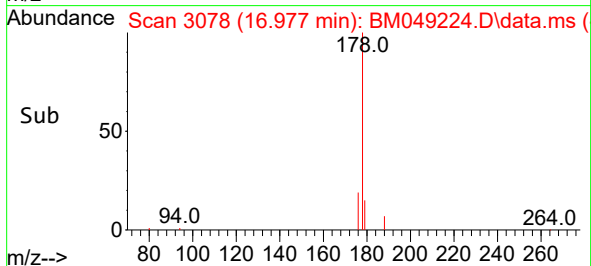
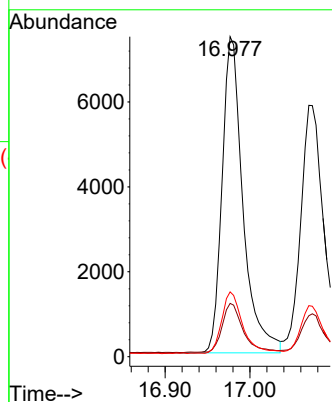
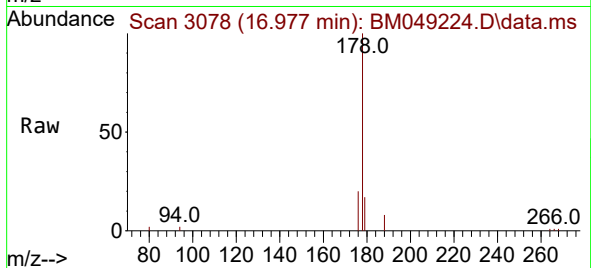
Tgt Ion:178 Resp: 12736

Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.4

176 20.3 16.2 24.2



#16

Anthracene

Concen: 0.347 ng/ul

RT: 17.069 min Scan# 3100

Delta R.T. 0.001 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

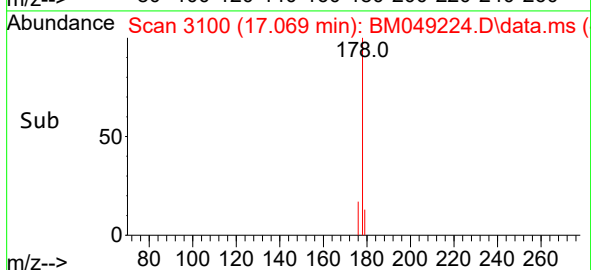
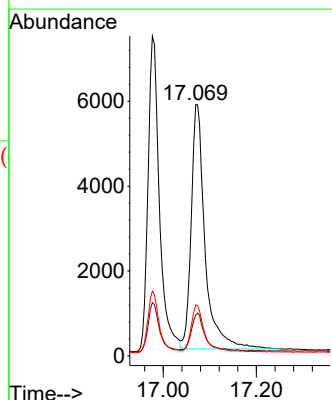
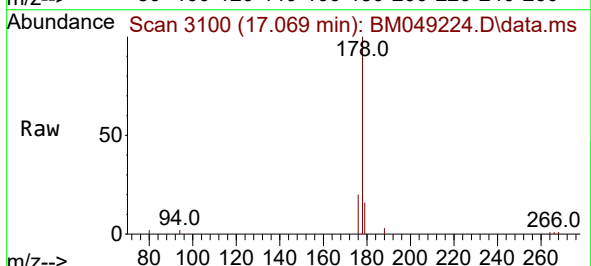
Tgt Ion:178 Resp: 11936

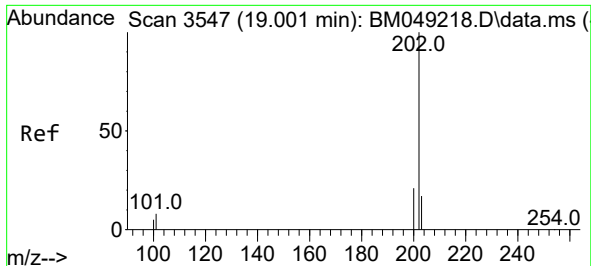
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 20.3 15.3 22.9

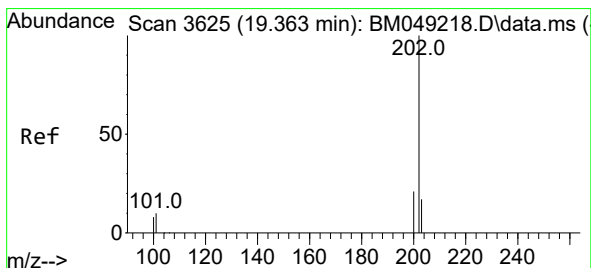
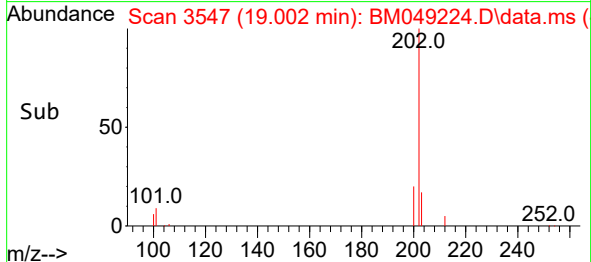
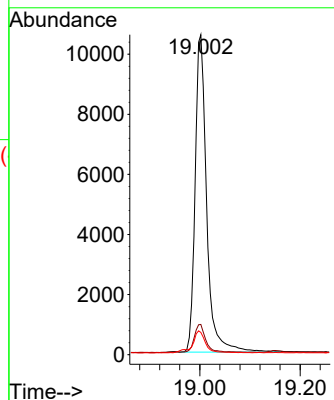
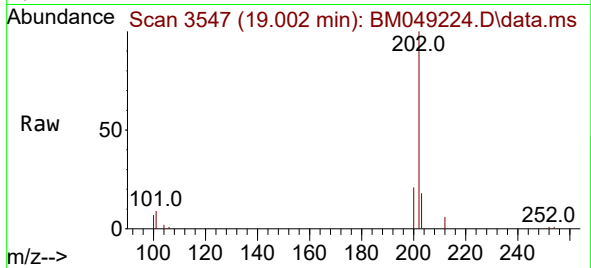




#19
Fluoranthene
Concen: 0.342 ng/ul
RT: 19.002 min Scan# 3547
Delta R.T. 0.001 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

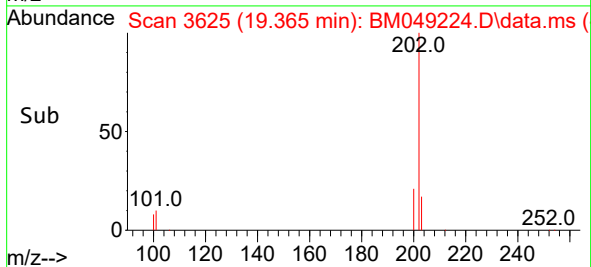
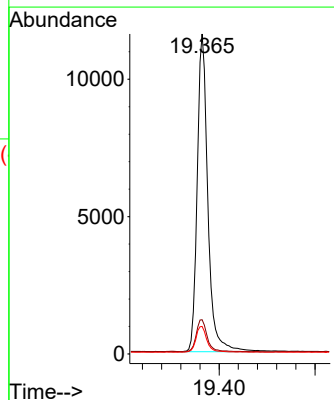
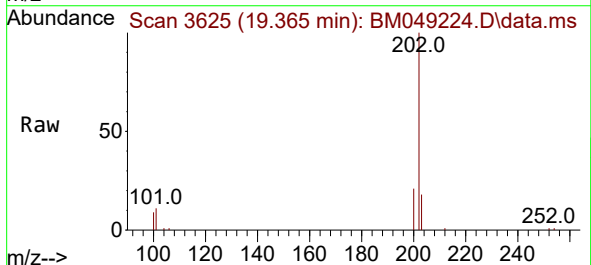
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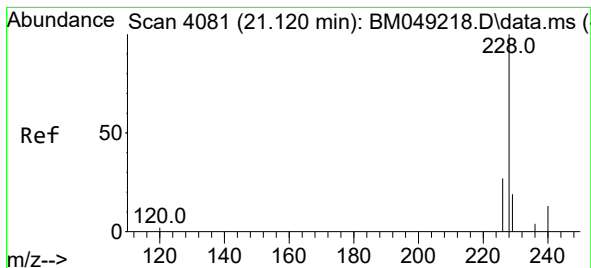
Tgt Ion:202 Resp: 16861
Ion Ratio Lower Upper
202 100
101 9.4 7.6 11.4
100 7.0 5.5 8.3



#20
Pyrene
Concen: 0.342 ng/ul
RT: 19.365 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion:202 Resp: 18009
Ion Ratio Lower Upper
202 100
101 10.7 8.9 13.3
100 8.6 6.9 10.3





#21

Benzo(a)anthracene

Concen: 0.339 ng/ul

RT: 21.122 min Scan# 4081

Delta R.T. 0.003 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

Instrument :

BNA_M

ClientSampleId :

SLCS772

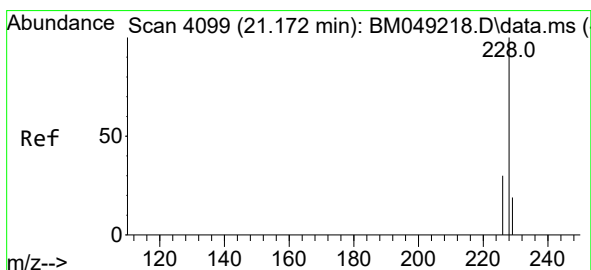
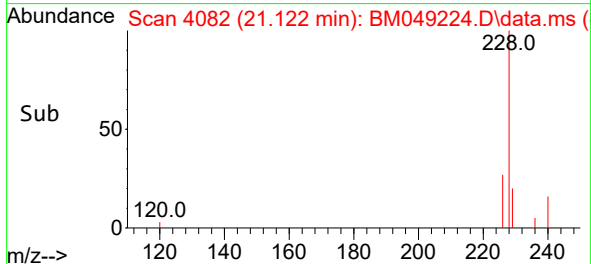
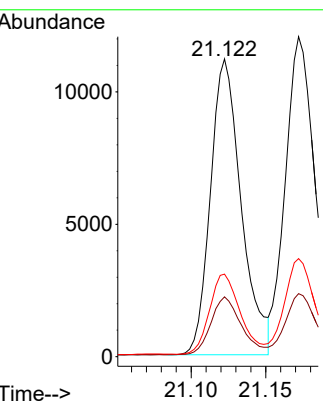
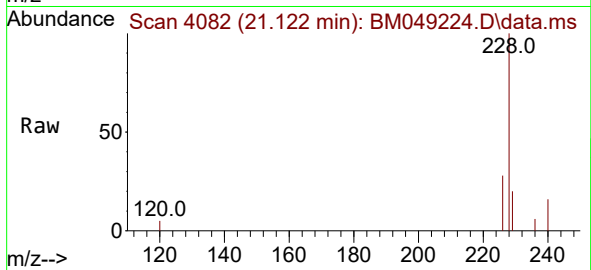
Tgt Ion:228 Resp: 16098

Ion Ratio Lower Upper

228 100

229 20.1 15.9 23.9

226 27.7 22.6 34.0



#22

Chrysene

Concen: 0.364 ng/ul

RT: 21.172 min Scan# 4099

Delta R.T. -0.000 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

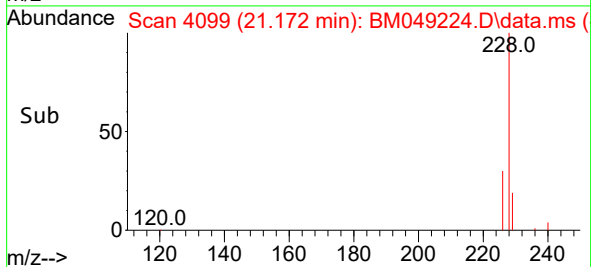
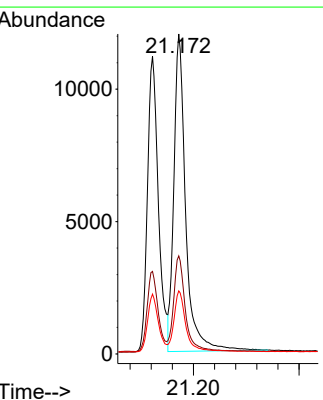
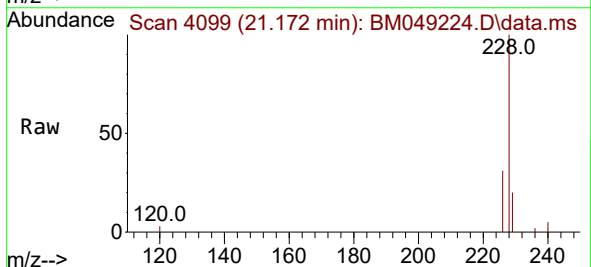
Tgt Ion:228 Resp: 18565

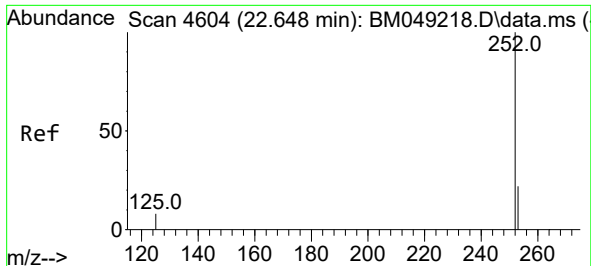
Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 19.7 15.8 23.8

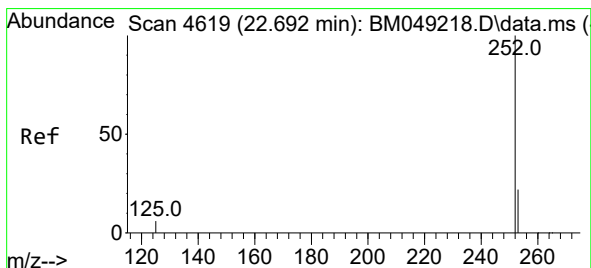
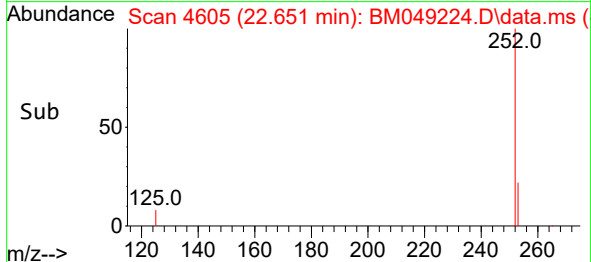
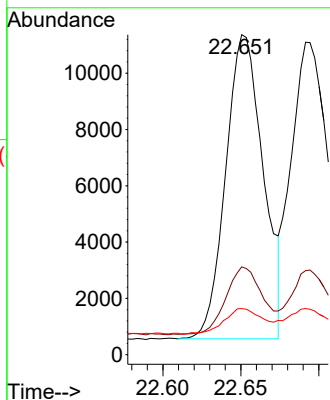
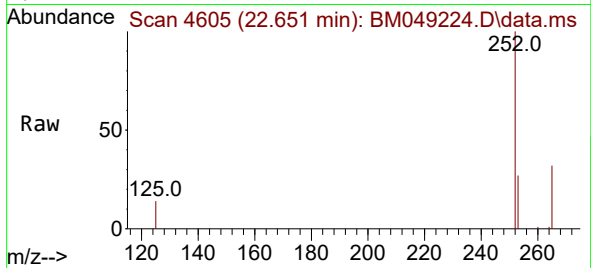




#24
Benzo(b)fluoranthene
Concen: 0.363 ng/ul
RT: 22.651 min Scan# 4605
Delta R.T. 0.003 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

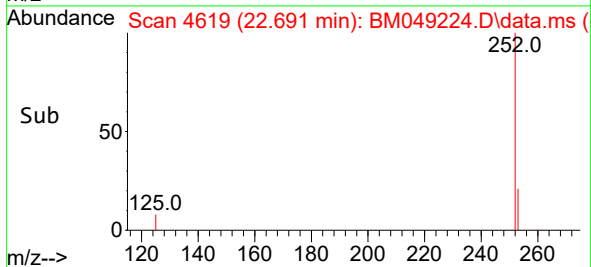
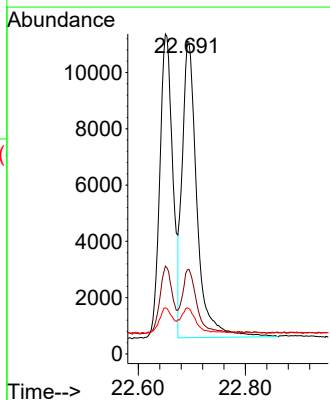
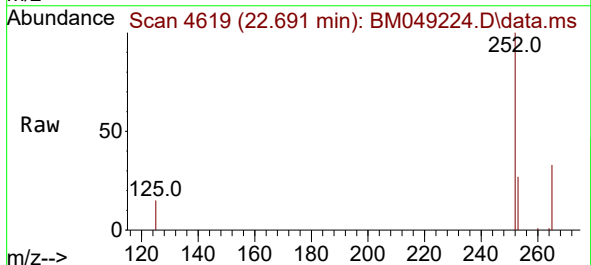
Instrument :
BNA_M
ClientSampleId :
SLCS772

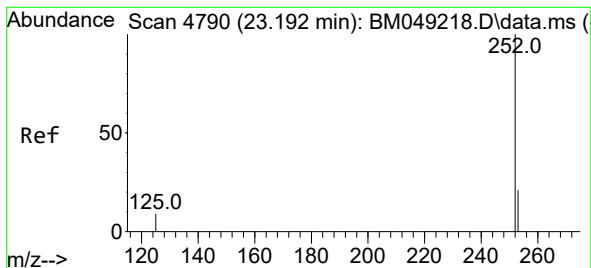
Tgt Ion:252 Resp: 18102
Ion Ratio Lower Upper
252 100
253 27.5 0.0 52.6
125 14.4 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.367 ng/ul
RT: 22.691 min Scan# 4619
Delta R.T. -0.000 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion:252 Resp: 20085
Ion Ratio Lower Upper
252 100
253 26.9 21.3 31.9
125 14.7 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.357 ng/ul

RT: 23.197 min Scan# 4790

Delta R.T. 0.005 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

Instrument :

BNA_M

ClientSampleId :

SLCS772

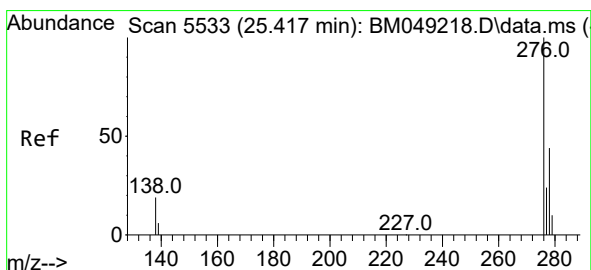
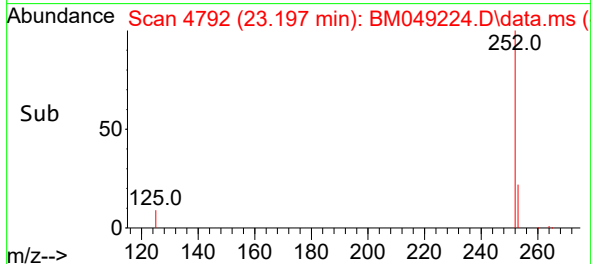
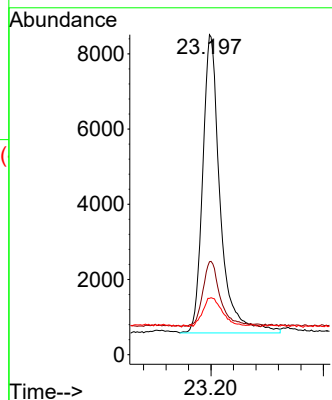
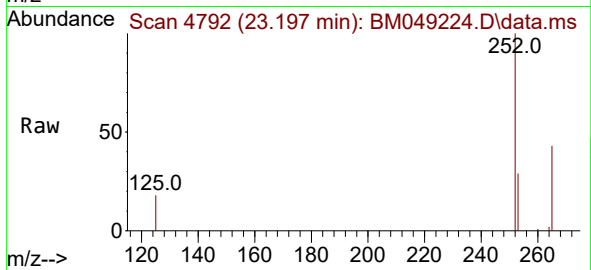
Tgt Ion:252 Resp: 17103

Ion Ratio Lower Upper

252 100

253 29.0 22.4 33.6

125 17.6 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.342 ng/ul

RT: 25.427 min Scan# 5536

Delta R.T. 0.010 min

Lab File: BM049224.D

Acq: 26 Dec 2024 13:52

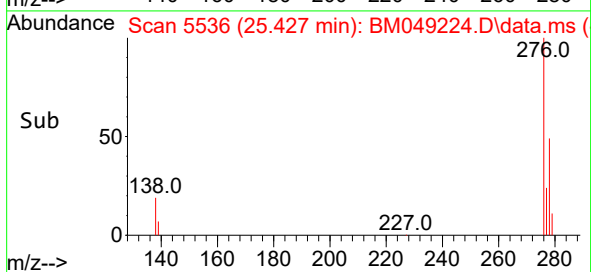
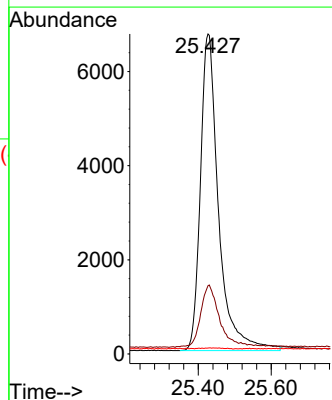
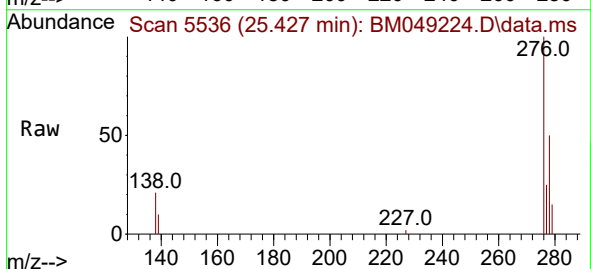
Tgt Ion:276 Resp: 23163

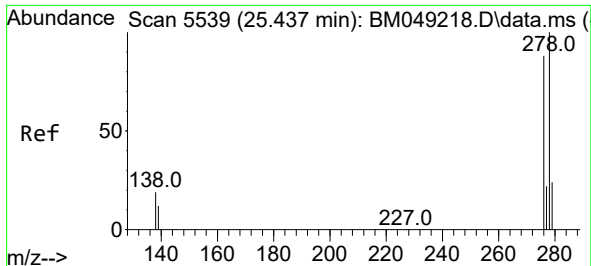
Ion Ratio Lower Upper

276 100

138 21.2 17.4 26.2

227 0.2 0.2 0.2

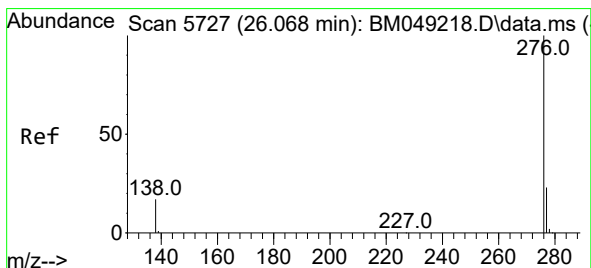
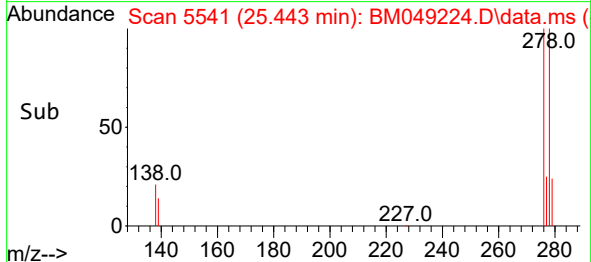
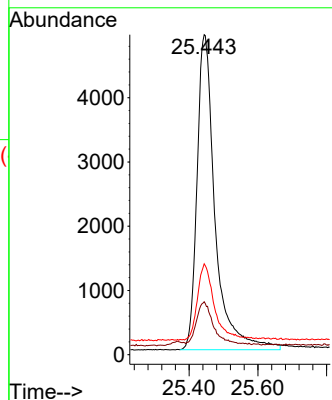
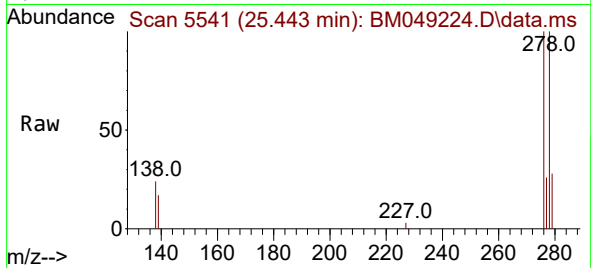




#28
Dibenzo(a,h)anthracene
Concen: 0.340 ng/ul
RT: 25.443 min Scan# 51
Delta R.T. 0.006 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SLCS772

Tgt Ion:278 Resp: 17902
Ion Ratio Lower Upper
278 100
139 16.5 13.5 20.3
279 28.4 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.349 ng/ul
RT: 26.074 min Scan# 5729
Delta R.T. 0.006 min
Lab File: BM049224.D
Acq: 26 Dec 2024 13:52

Tgt Ion:276 Resp: 19003
Ion Ratio Lower Upper
276 100
138 20.0 16.7 25.1
277 24.6 19.9 29.9

