

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
 Data File : BM045998.D
 Acq On : 12 Jun 2024 14:54
 Operator : MA/JU
 Sample : PB161249BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS249

Quant Time: Jun 13 00:08:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 00:05:38 2024
 Response via : Initial Calibration

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

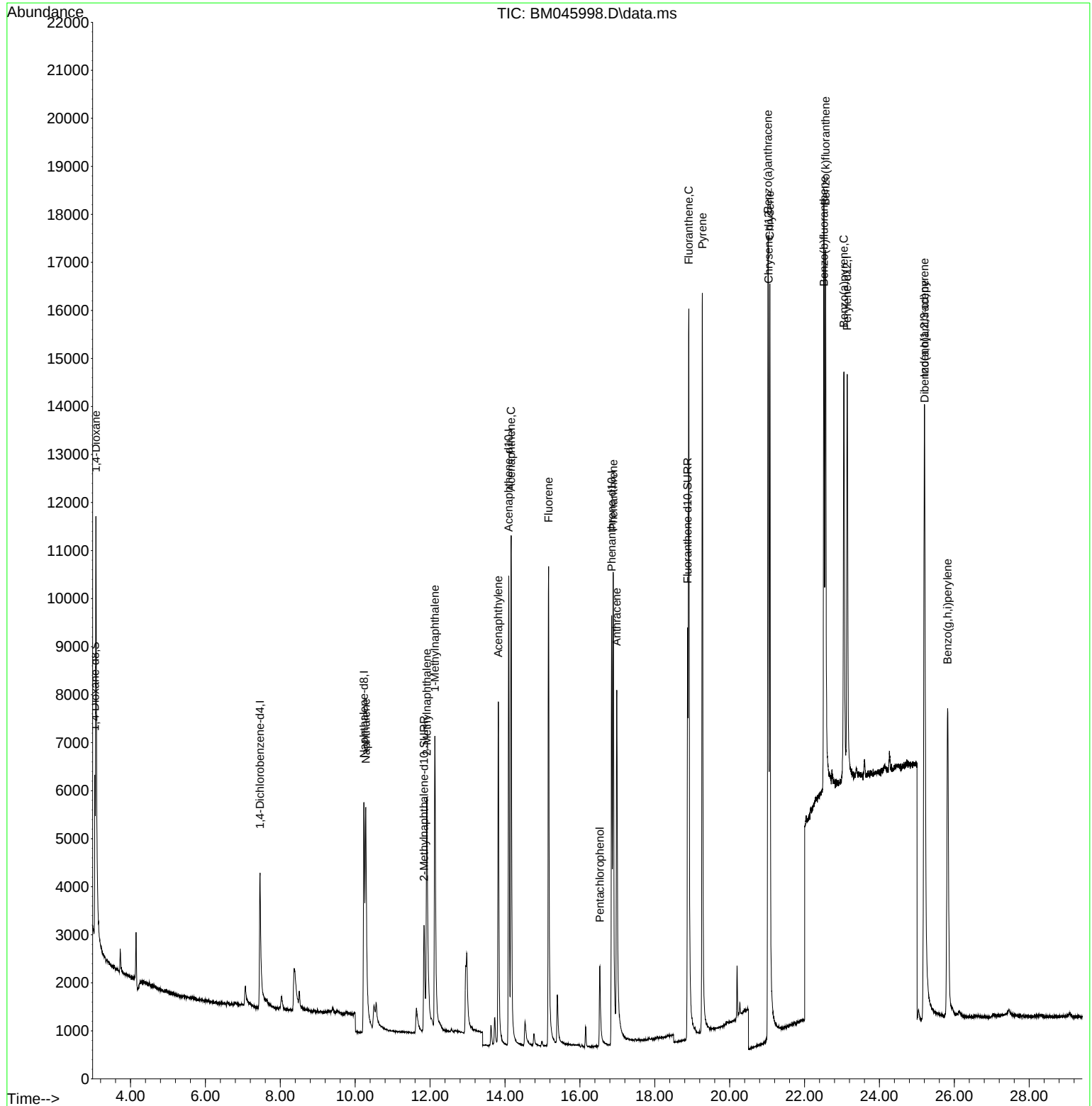
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	2665	0.400	ng/ul	0.00
4) Naphthalene-d8	10.233	136	9988	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.100	164	6694	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.850	188	13892	0.400	ng/ul	0.00
17) Chrysene-d12	21.038	240	11521	0.400	ng/ul	0.00
23) Perylene-d12	23.139	264	11905	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.050	96	2347	0.773	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.838	152	5116	0.356	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	12070	0.350	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.075	88	6007	1.729	ng/ul#	63
5) Naphthalene	10.282	128	9313	0.357	ng/ul	97
7) 2-Methylnaphthalene	11.915	142	5846	0.351	ng/ul	100
8) 1-Methylnaphthalene	12.130	142	6071	0.335	ng/ul	100
10) Acenaphthylene	13.822	152	10346	0.340	ng/ul	100
11) Acenaphthene	14.164	153	7529	0.337	ng/ul	98
12) Fluorene	15.164	166	8388	0.335	ng/ul	100
14) Pentachlorophenol	16.533	266	1829	0.704	ng/ul	96
15) Phenanthrene	16.892	178	12967	0.332	ng/ul	99
16) Anthracene	16.985	178	10261	0.308	ng/ul	98
19) Fluoranthene	18.909	202	16539	0.360	ng/ul	99
20) Pyrene	19.272	202	17262	0.360	ng/ul	97
21) Benzo(a)anthracene	21.023	228	14529	0.344	ng/ul	99
22) Chrysene	21.073	228	17150	0.373	ng/ul	100
24) Benzo(b)fluoranthene	22.516	252	15031	0.381	ng/ul	99
25) Benzo(k)fluoranthene	22.560	252	16840	0.388	ng/ul	99
26) Benzo(a)pyrene	23.051	252	13879	0.353	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.199	276	16440	0.324	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.209	278	13170	0.324	ng/ul	99
29) Benzo(g,h,i)perylene	25.819	276	14039	0.321	ng/ul	99

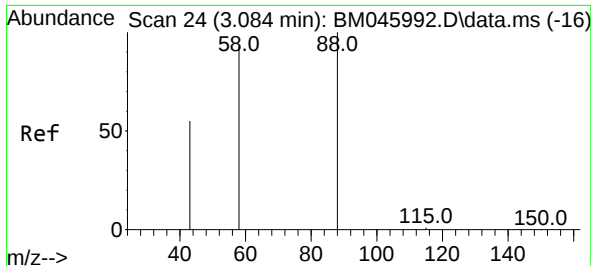
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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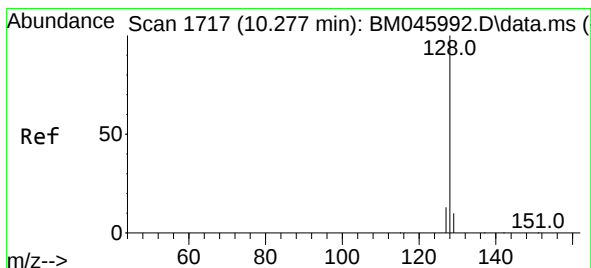
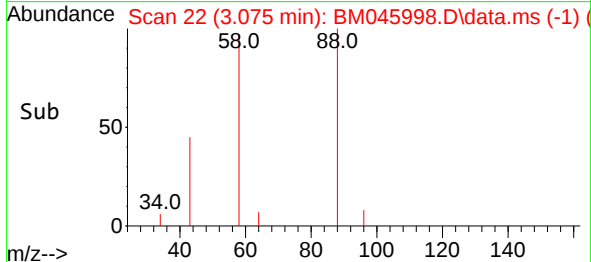
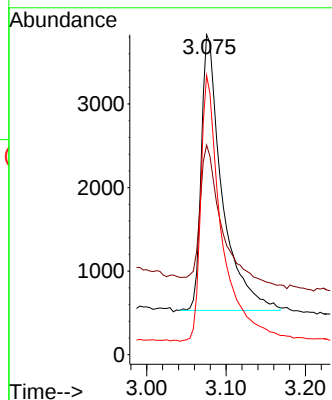
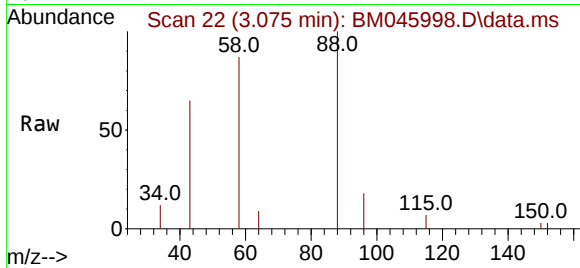




#2
1,4-Dioxane
Concen: 1.729 ng/ul
RT: 3.075 min Scan# 21
Delta R.T. -0.008 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

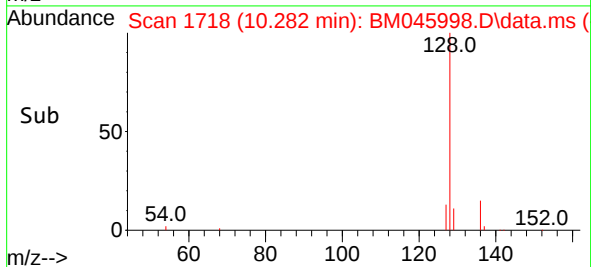
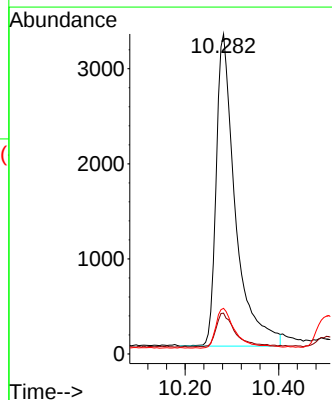
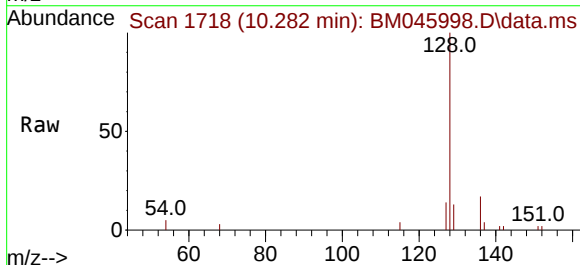
Instrument :
BNA_M
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SLCS249

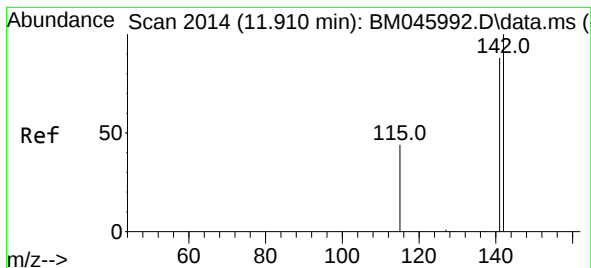
Tgt Ion: 88 Resp: 6007
Ion Ratio Lower Upper
88 100
43 65.5 87.4 131.2#
58 87.3 51.1 76.7#



#5
Naphthalene
Concen: 0.357 ng/ul
RT: 10.282 min Scan# 1718
Delta R.T. 0.006 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

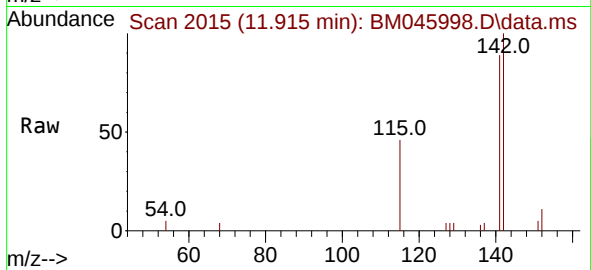
Tgt Ion: 128 Resp: 9313
Ion Ratio Lower Upper
128 100
129 12.7 9.4 14.0
127 14.2 10.6 15.8



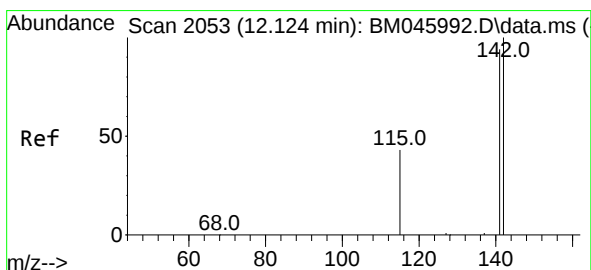
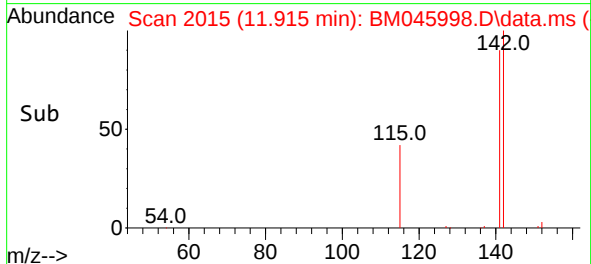
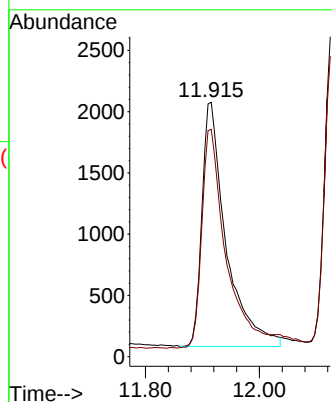


#7
2-Methylnaphthalene
Concen: 0.351 ng/ul
RT: 11.915 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Instrument :
BNA_M
ClientSampleId :
SLCS249

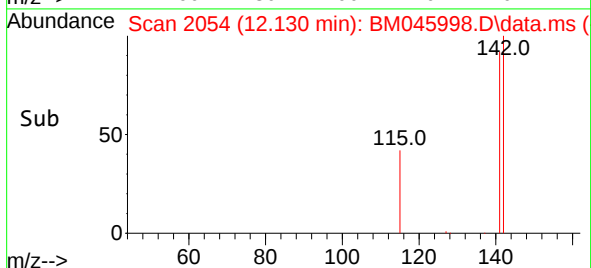
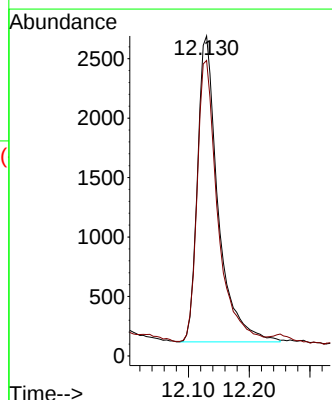
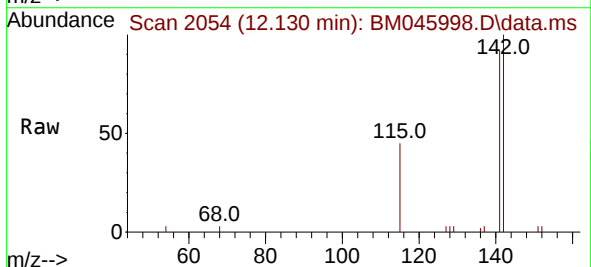


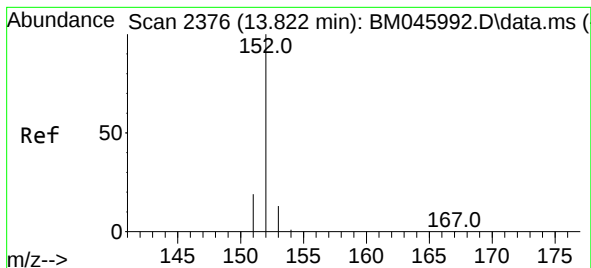
Tgt Ion:142 Resp: 5846
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4



#8
1-Methylnaphthalene
Concen: 0.335 ng/ul
RT: 12.130 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:142 Resp: 6071
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3





#10

Acenaphthylene

Concen: 0.340 ng/ul

RT: 13.822 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM045998.D

Acq: 12 Jun 2024 14:54

Instrument :

BNA_M

ClientSampleId :

SLCS249

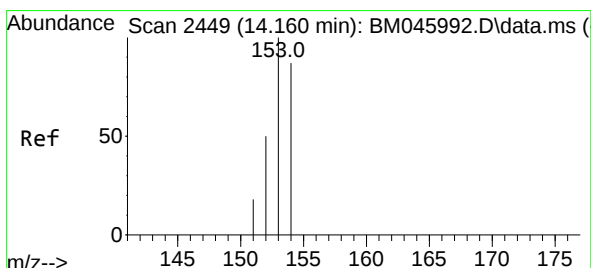
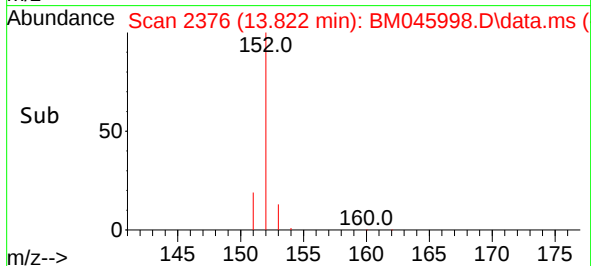
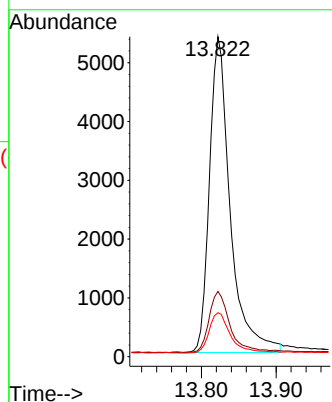
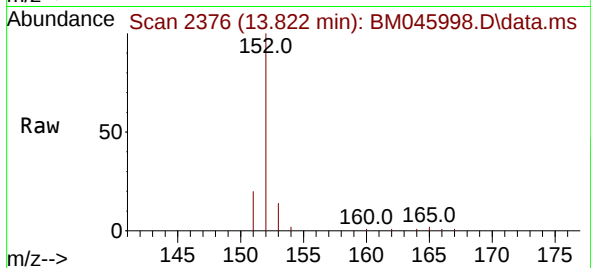
Tgt Ion:152 Resp: 10346

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 13.8 11.1 16.7



#11

Acenaphthene

Concen: 0.337 ng/ul

RT: 14.164 min Scan# 2450

Delta R.T. 0.005 min

Lab File: BM045998.D

Acq: 12 Jun 2024 14:54

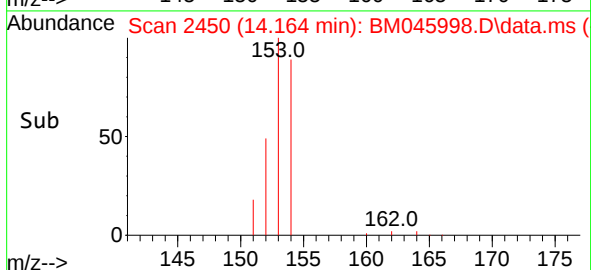
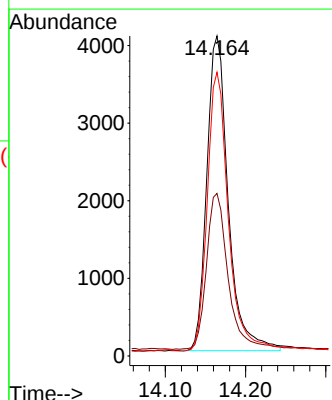
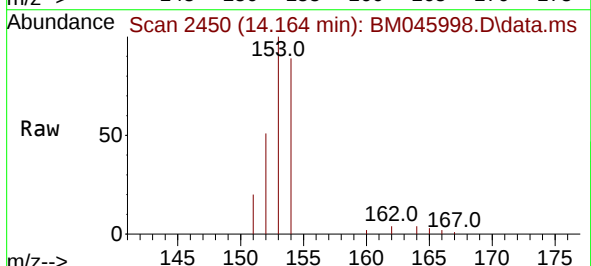
Tgt Ion:153 Resp: 7529

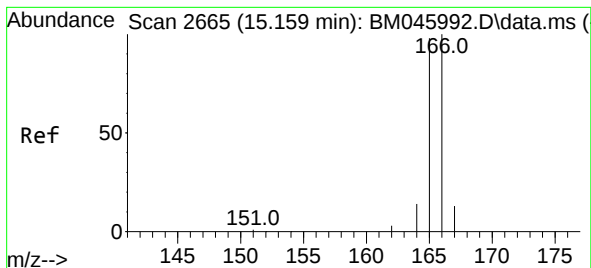
Ion Ratio Lower Upper

153 100

152 50.8 39.0 58.4

154 88.6 69.4 104.2





#12

Fluorene

Concen: 0.335 ng/ul

RT: 15.164 min Scan# 2

Delta R.T. 0.005 min

Lab File: BM045998.D

Acq: 12 Jun 2024 14:54

Instrument :

BNA_M

ClientSampleId :

SLCS249

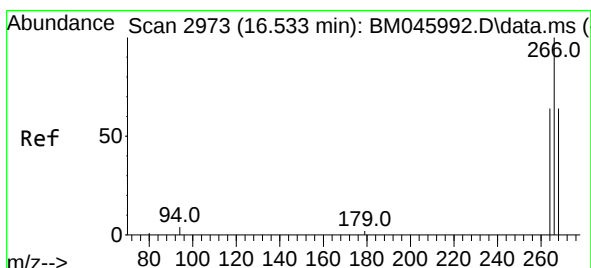
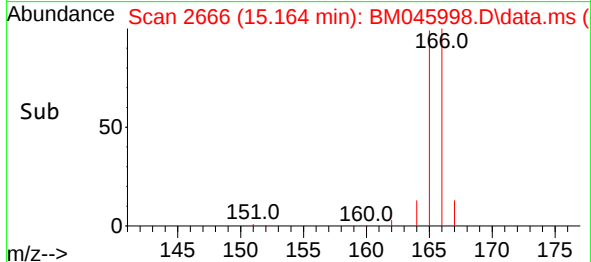
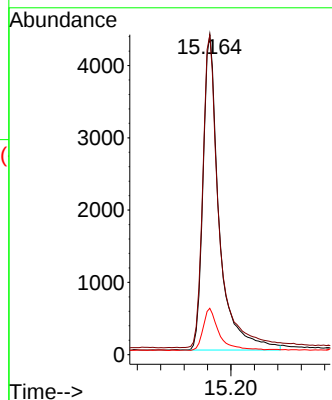
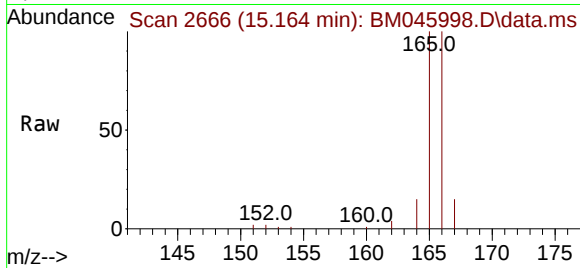
Tgt Ion:166 Resp: 8388

Ion Ratio Lower Upper

166 100

165 99.8 79.7 119.5

167 14.5 11.3 16.9



#14

Pentachlorophenol

Concen: 0.704 ng/ul

RT: 16.533 min Scan# 2973

Delta R.T. 0.000 min

Lab File: BM045998.D

Acq: 12 Jun 2024 14:54

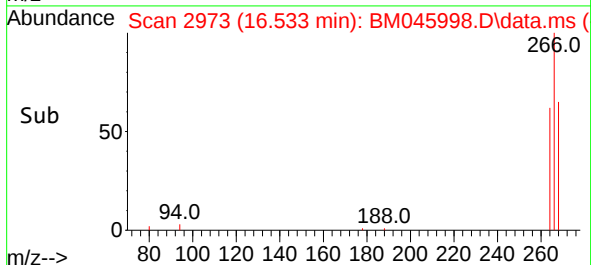
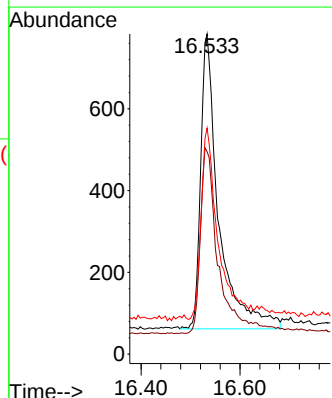
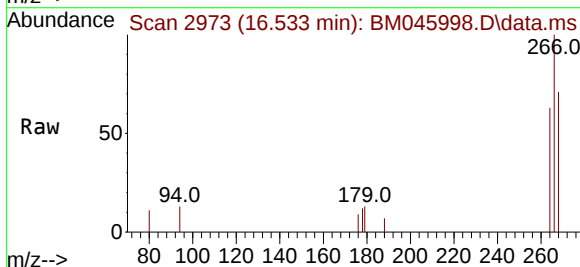
Tgt Ion:266 Resp: 1829

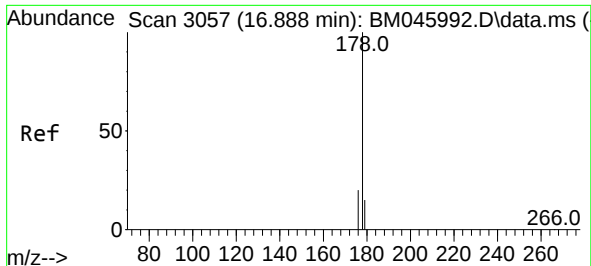
Ion Ratio Lower Upper

266 100

264 63.8 47.9 71.9

268 61.5 50.9 76.3

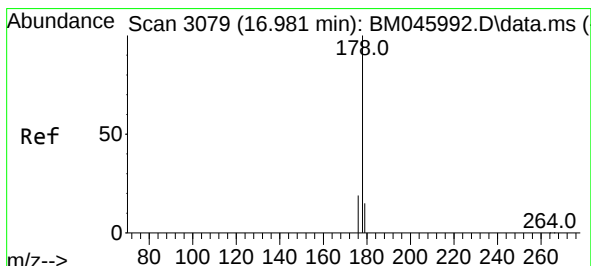
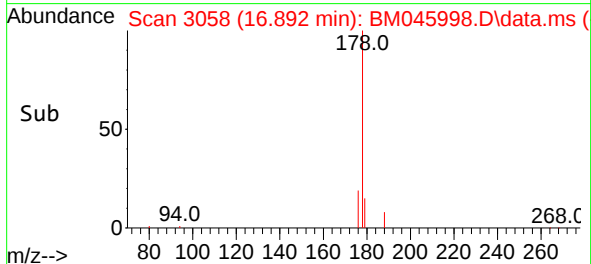
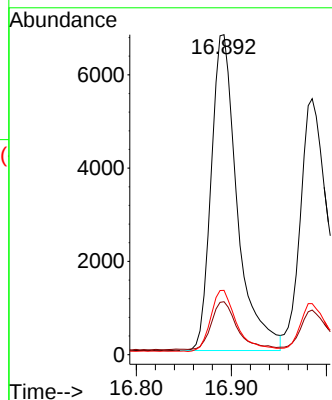
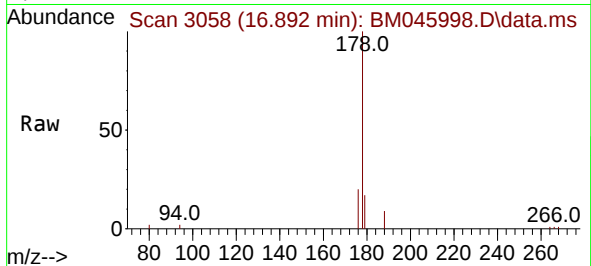




#15
Phenanthrene
Concen: 0.332 ng/u1
RT: 16.892 min Scan# 3058
Delta R.T. 0.004 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

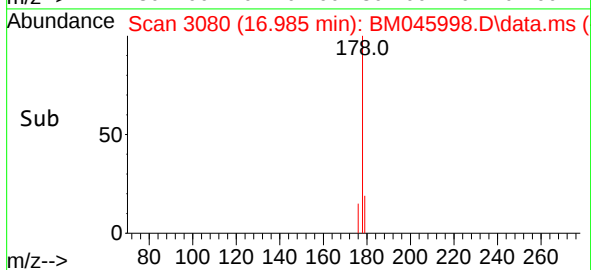
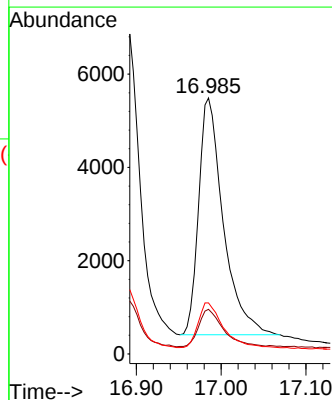
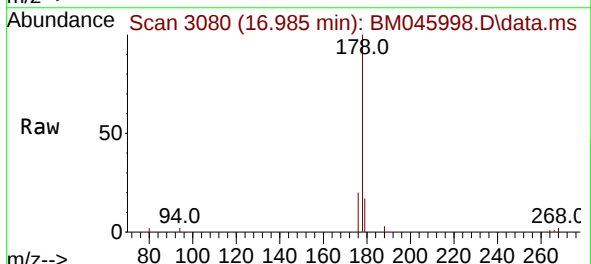
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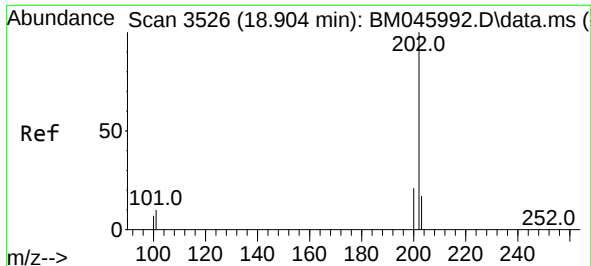
Tgt Ion:178 Resp: 12967
Ion Ratio Lower Upper
178 100
179 16.5 12.7 19.1
176 20.1 15.6 23.4



#16
Anthracene
Concen: 0.308 ng/u1
RT: 16.985 min Scan# 3080
Delta R.T. 0.004 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:178 Resp: 10261
Ion Ratio Lower Upper
178 100
179 17.5 13.1 19.7
176 19.9 15.5 23.3

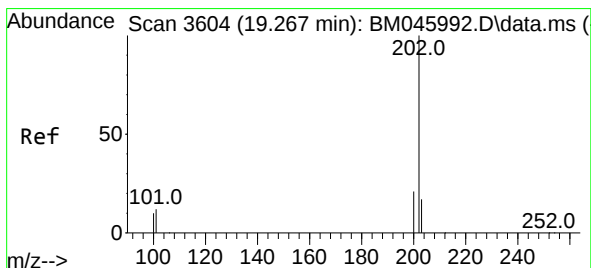
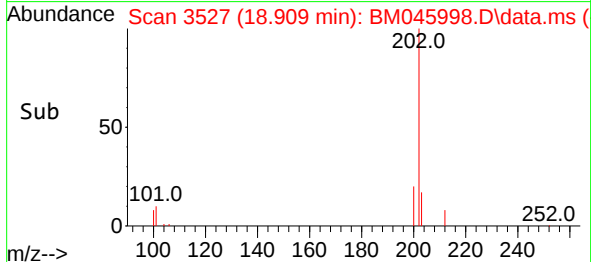
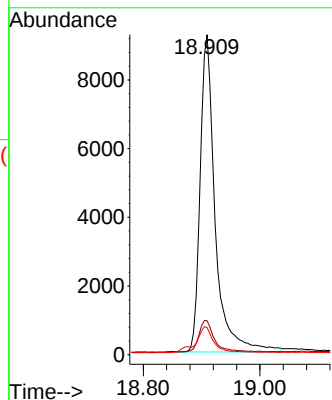
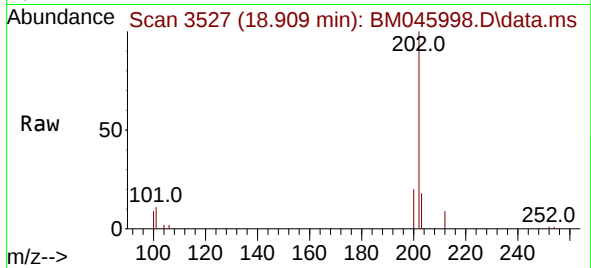




#19
Fluoranthene
Concen: 0.360 ng/ul
RT: 18.909 min Scan# 31
Delta R.T. 0.005 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

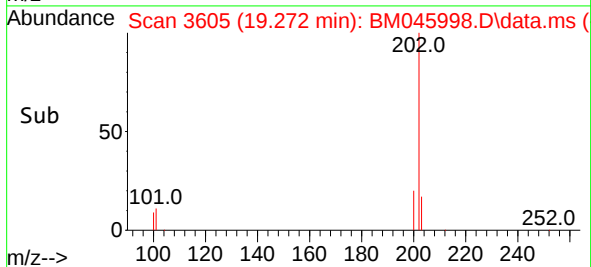
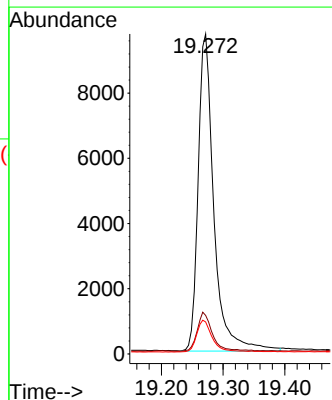
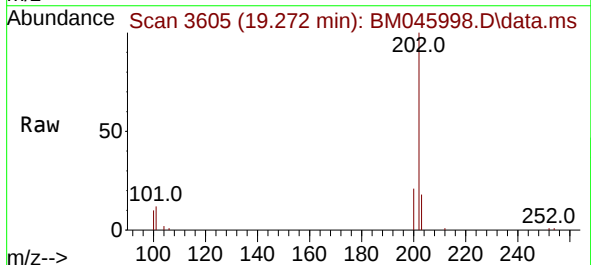
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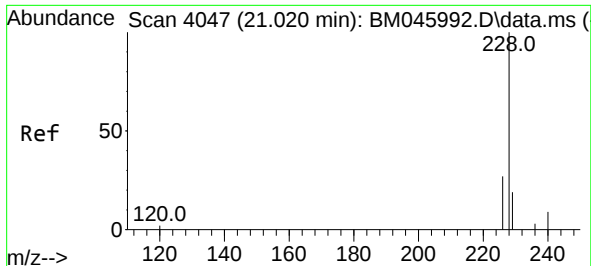
Tgt Ion:202 Resp: 16539
Ion Ratio Lower Upper
202 100
101 10.6 9.0 13.6
100 8.5 7.0 10.6



#20
Pyrene
Concen: 0.360 ng/ul
RT: 19.272 min Scan# 3605
Delta R.T. 0.005 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:202 Resp: 17262
Ion Ratio Lower Upper
202 100
101 12.1 10.6 16.0
100 10.0 9.1 13.7

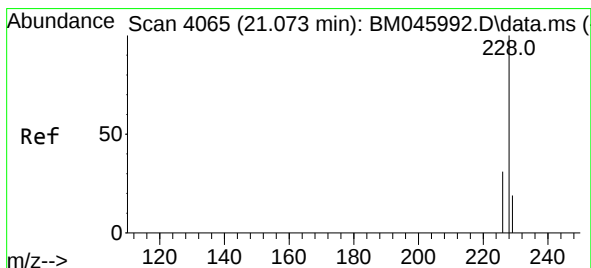
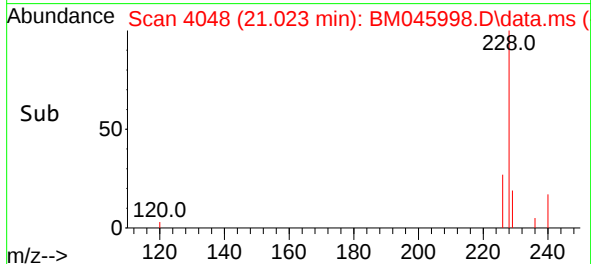
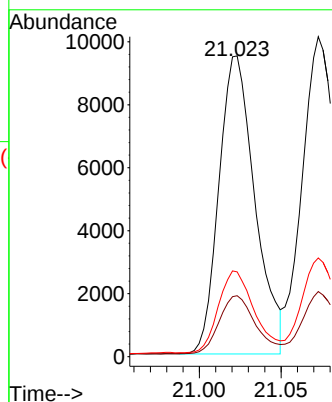
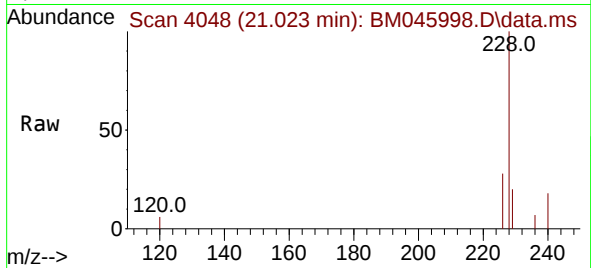




#21
Benzo(a)anthracene
Concen: 0.344 ng/ul
RT: 21.023 min Scan# 4047
Delta R.T. 0.003 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

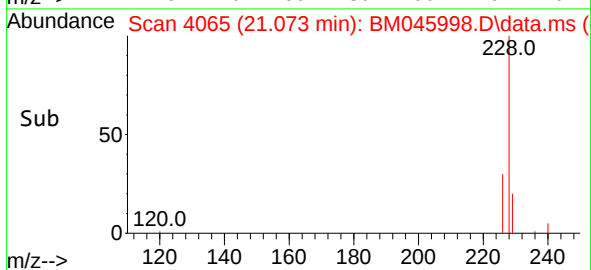
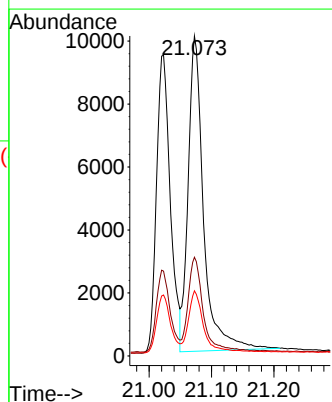
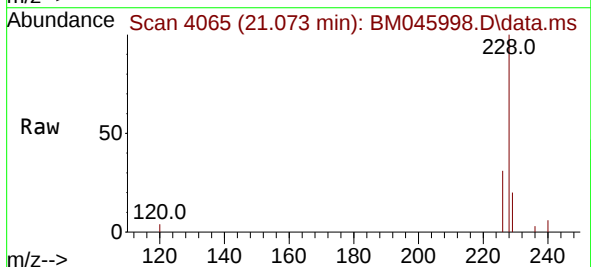
Instrument :
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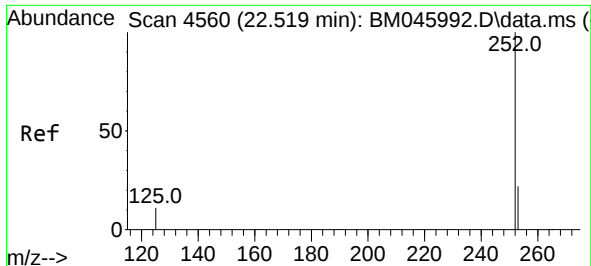
Tgt Ion:228 Resp: 14529
Ion Ratio Lower Upper
228 100
229 20.3 15.7 23.5
226 28.2 22.0 33.0



#22
Chrysene
Concen: 0.373 ng/ul
RT: 21.073 min Scan# 4065
Delta R.T. 0.000 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:228 Resp: 17150
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 20.3 16.2 24.2

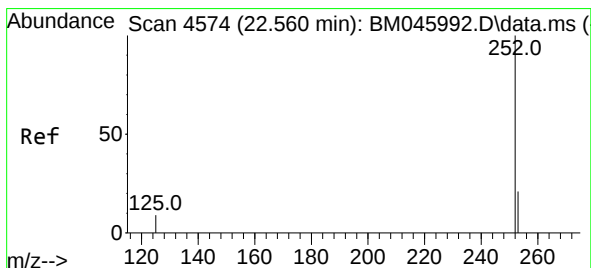
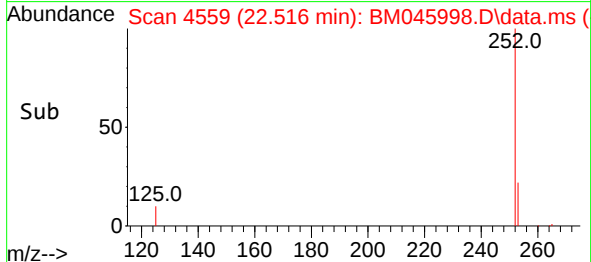
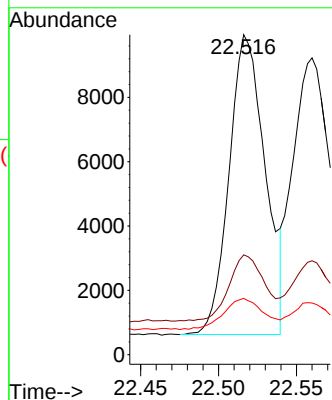
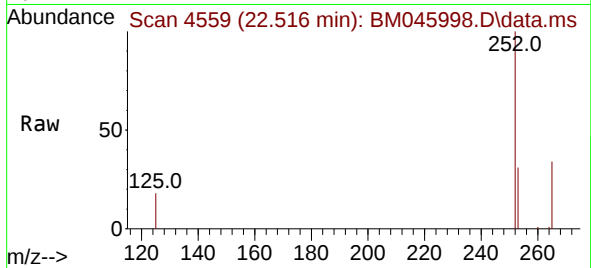




#24
Benzo(b)fluoranthene
Concen: 0.381 ng/ul
RT: 22.516 min Scan# 4559
Delta R.T. -0.003 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

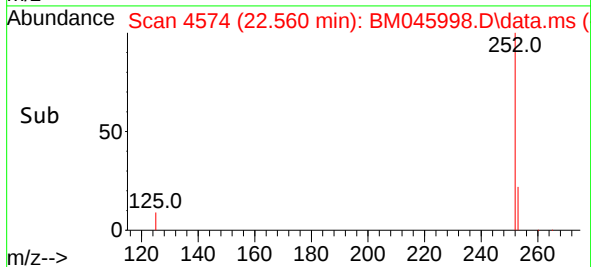
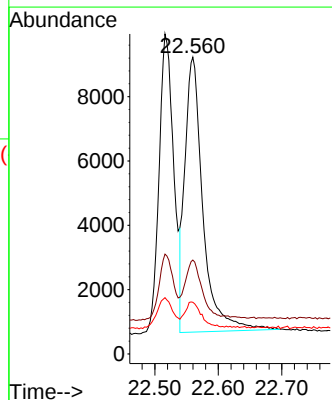
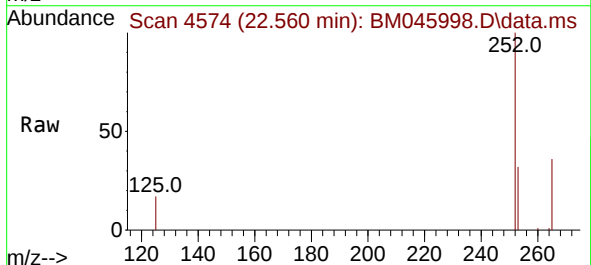
Instrument :
BNA_M
ClientSampleId :
SLCS249

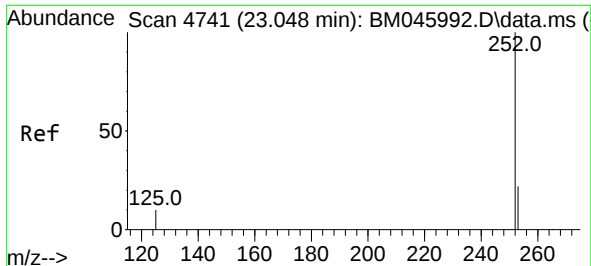
Tgt Ion:252 Resp: 15031
Ion Ratio Lower Upper
252 100
253 31.2 0.0 63.6
125 17.6 0.0 35.8



#25
Benzo(k)fluoranthene
Concen: 0.388 ng/ul
RT: 22.560 min Scan# 4574
Delta R.T. 0.000 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:252 Resp: 16840
Ion Ratio Lower Upper
252 100
253 31.6 25.0 37.6
125 17.4 14.2 21.2

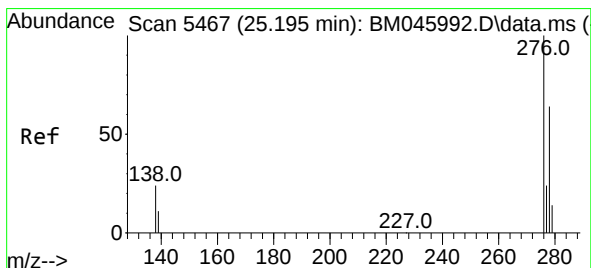
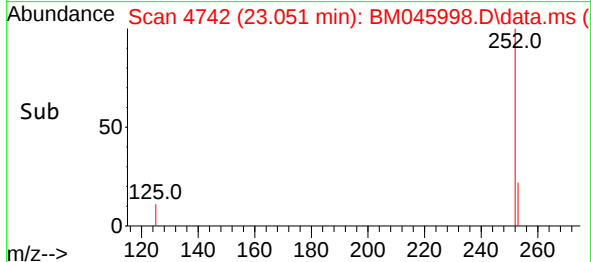
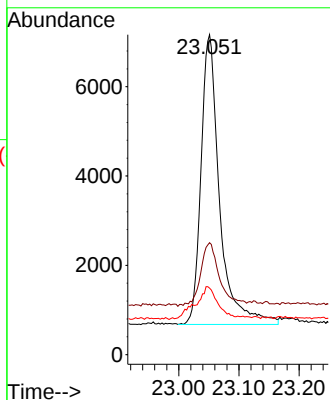
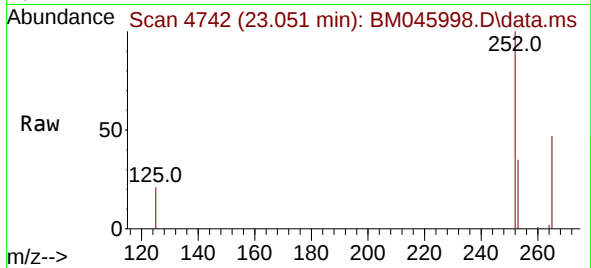




#26
Benzo(a)pyrene
Concen: 0.353 ng/ul
RT: 23.051 min Scan# 4742
Delta R.T. 0.003 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

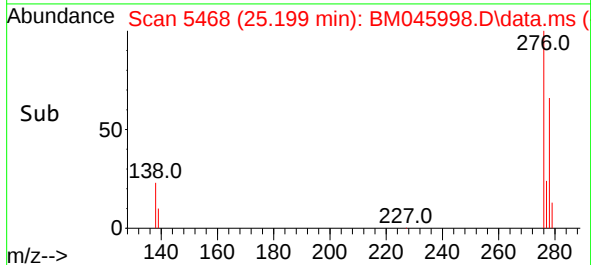
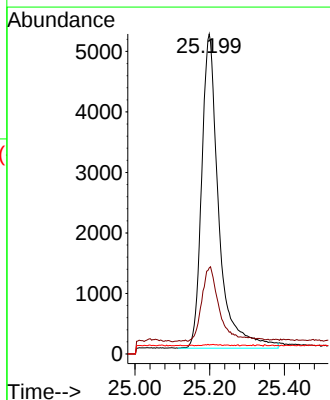
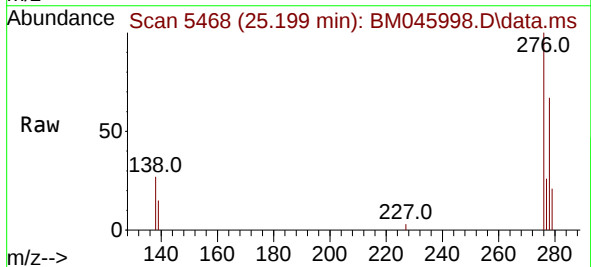
Instrument :
BNA_M
ClientSampleId :
SLCS249

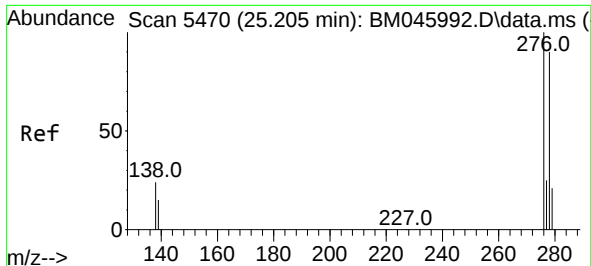
Tgt Ion:252 Resp: 13879
Ion Ratio Lower Upper
252 100
253 35.0 28.8 43.2
125 20.8 17.3 25.9



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.324 ng/ul
RT: 25.199 min Scan# 5468
Delta R.T. 0.003 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:276 Resp: 16440
Ion Ratio Lower Upper
276 100
138 24.7 20.7 31.1
227 0.1 0.2 0.2#

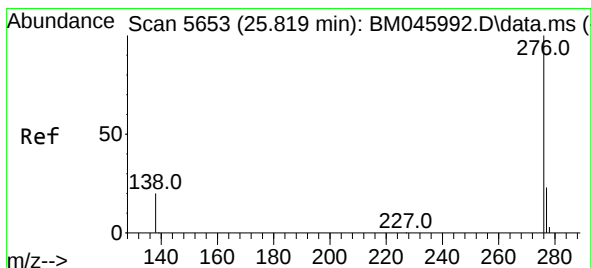
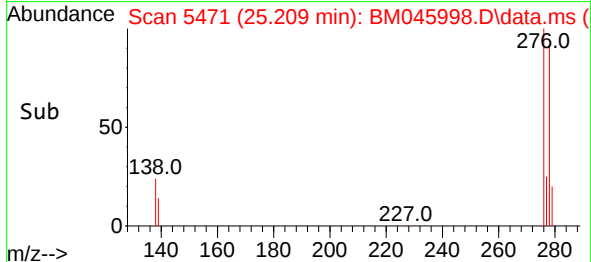
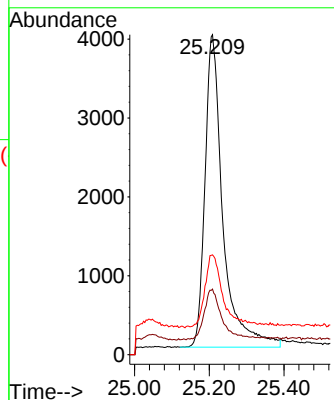
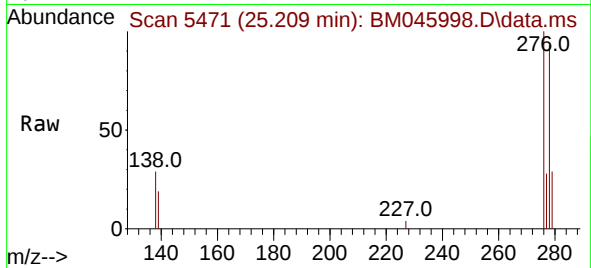




#28
Dibenzo(a,h)anthracene
Concen: 0.324 ng/ul
RT: 25.209 min Scan# 5470
Delta R.T. 0.003 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Instrument :
BNA_M
ClientSampleId :
SLCS249

Tgt Ion:278 Resp: 13170
Ion Ratio Lower Upper
278 100
139 20.5 16.6 25.0
279 31.2 24.6 37.0



#29
Benzo(g,h,i)perylene
Concen: 0.321 ng/ul
RT: 25.819 min Scan# 5653
Delta R.T. 0.000 min
Lab File: BM045998.D
Acq: 12 Jun 2024 14:54

Tgt Ion:276 Resp: 14039
Ion Ratio Lower Upper
276 100
138 25.9 21.0 31.4
277 26.1 20.5 30.7

