

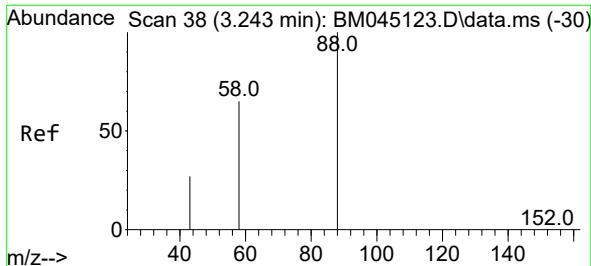
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041324\
 Data File : BM045214.D
 Acq On : 13 Apr 2024 20:41
 Operator : MA/JU
 Sample : P2014-22MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E0ME5MSD

Quant Time: Apr 15 00:36:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 15 00:32:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	1120	0.400	ng/ul	0.00
4) Naphthalene-d8	10.407	136	3245	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.266	164	1666	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.031	188	3712	0.400	ng/ul	0.00
17) Chrysene-d12	21.242	240	3500	0.400	ng/ul	0.00
23) Perylene-d12	23.460	264	4277	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.209	96	385	0.262	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.008	152	1840	0.418	ng/ul	0.01
18) Fluoranthene-d10	19.067	212	4819	0.545	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	1097	0.778	ng/ul	90
5) Naphthalene	10.457	128	3782	0.439	ng/ul	96
7) 2-Methylnaphthalene	12.085	142	2209	0.430	ng/ul	99
8) 1-Methylnaphthalene	12.294	142	2266	0.404	ng/ul	94
10) Acenaphthylene	13.988	152	3649	0.439	ng/ul	96
11) Acenaphthene	14.331	153	2668	0.448	ng/ul	98
12) Fluorene	15.334	166	3050	0.457	ng/ul	99
14) Pentachlorophenol	16.698	266	1085	1.247	ng/ul	99
15) Phenanthrene	17.073	178	5291	0.506	ng/ul	98
16) Anthracene	17.175	178	5164	0.502	ng/ul	97
19) Fluoranthene	19.099	202	6791	0.543	ng/ul	99
20) Pyrene	19.462	202	7284	0.551	ng/ul	98
21) Benzo(a)anthracene	21.230	228	6049	0.496	ng/ul	98
22) Chrysene	21.277	228	7981	0.525	ng/ul	98
24) Benzo(b)fluoranthene	22.793	252	7623	0.494	ng/ul	97
25) Benzo(k)fluoranthene	22.843	252	9271	0.536	ng/ul	98
26) Benzo(a)pyrene	23.369	252	7639	0.518	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.698	276	9872	0.488	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.721	278	7862	0.491	ng/ul	95
29) Benzo(g,h,i)perylene	26.369	276	8721	0.500	ng/ul	98

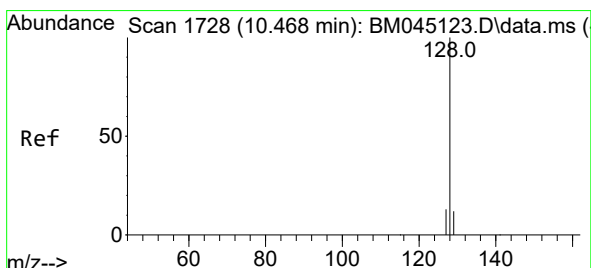
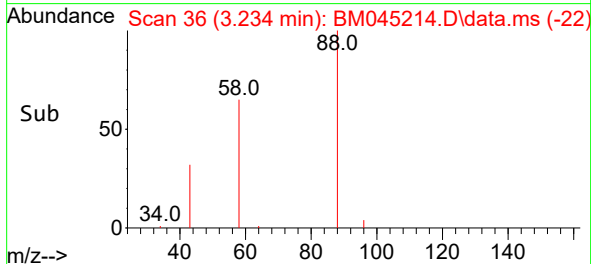
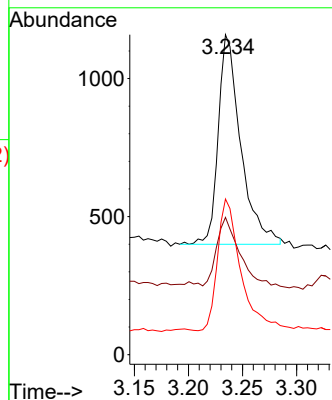
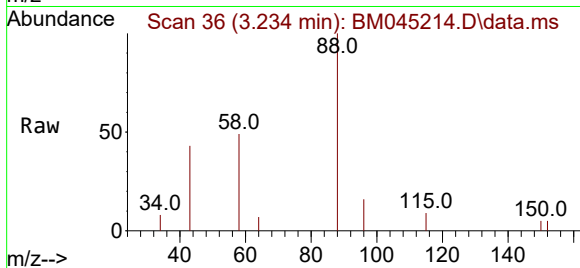
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 0.778 ng/ul
RT: 3.234 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

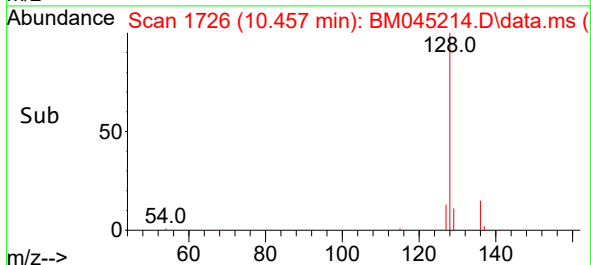
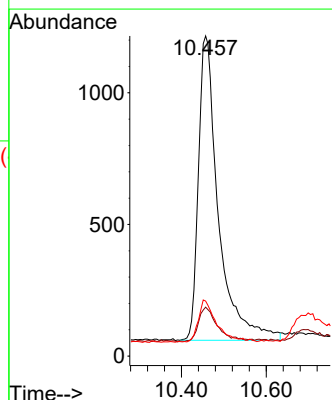
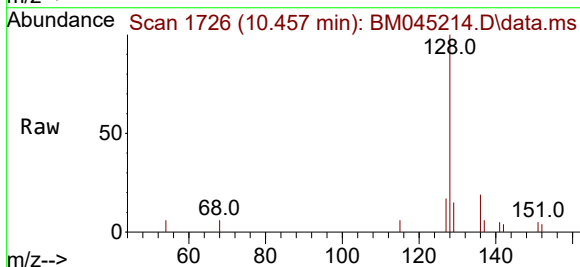
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BNA_M
ClientSampleId :
E0ME5MSD

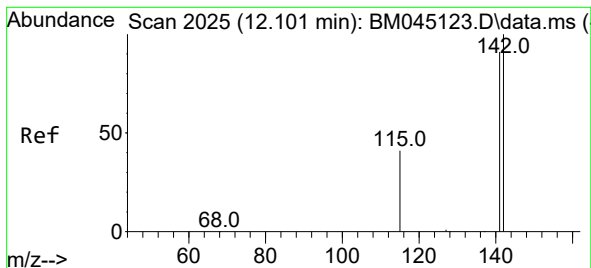
Tgt Ion: 88 Resp: 1097
Ion Ratio Lower Upper
88 100
43 42.9 30.6 46.0
58 48.7 32.6 48.8



#5
Naphthalene
Concen: 0.439 ng/ul
RT: 10.457 min Scan# 1726
Delta R.T. 0.016 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion: 128 Resp: 3782
Ion Ratio Lower Upper
128 100
129 15.3 11.3 16.9
127 17.2 11.9 17.9

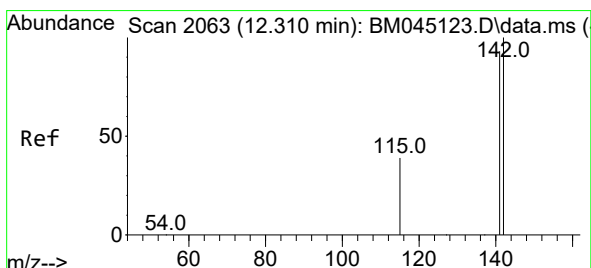
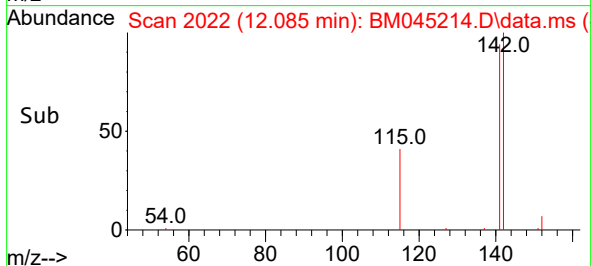
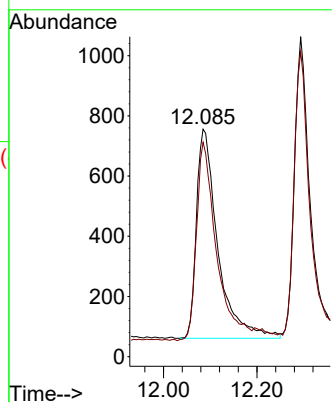
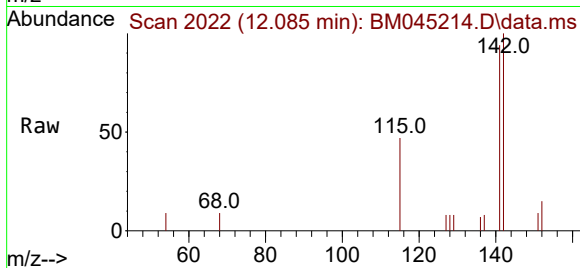




#7
2-Methylnaphthalene
Concen: 0.430 ng/ul
RT: 12.085 min Scan# 2022
Delta R.T. 0.011 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

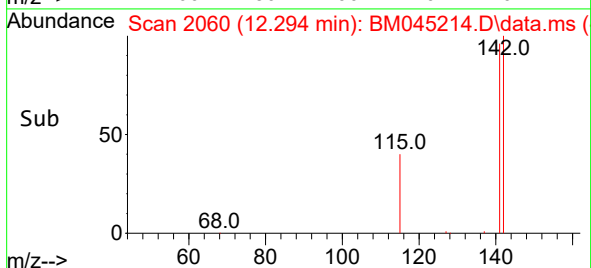
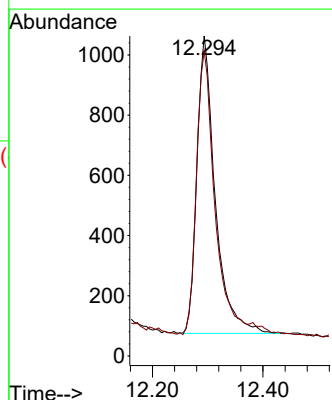
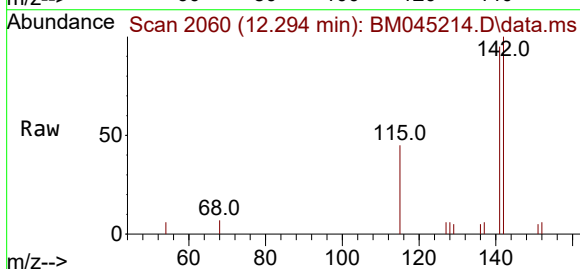
Instrument :
BNA_M
ClientSampleId :
E0ME5MSD

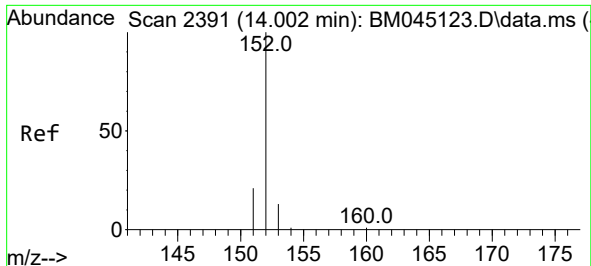
Tgt Ion:142 Resp: 2209
Ion Ratio Lower Upper
142 100
141 93.4 73.8 110.8



#8
1-Methylnaphthalene
Concen: 0.404 ng/ul
RT: 12.294 min Scan# 2060
Delta R.T. 0.005 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:142 Resp: 2266
Ion Ratio Lower Upper
142 100
141 98.3 74.2 111.2

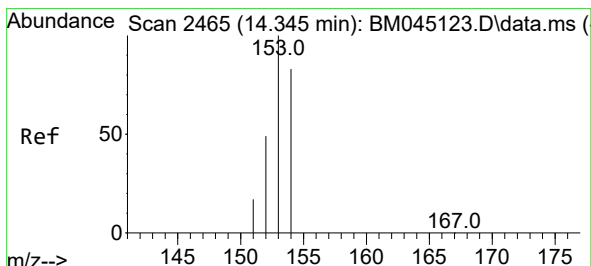
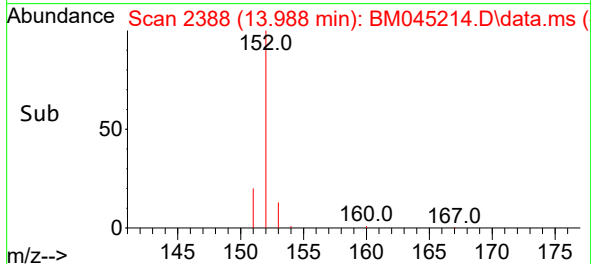
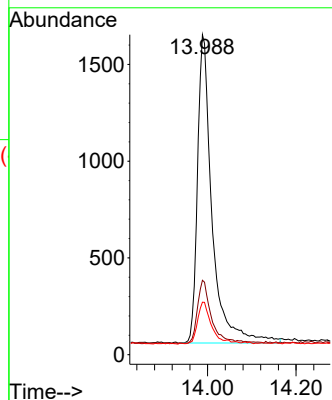
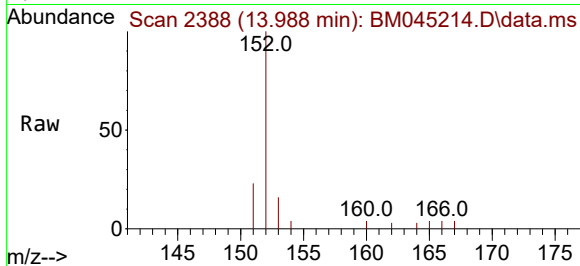




#10
Acenaphthylene
Concen: 0.439 ng/ul
RT: 13.988 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

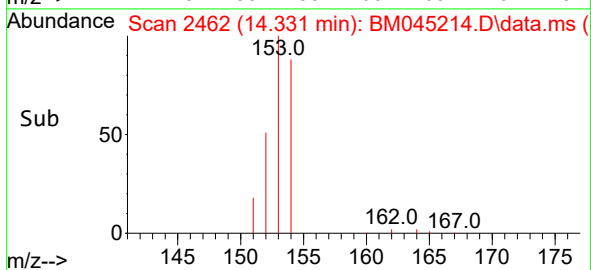
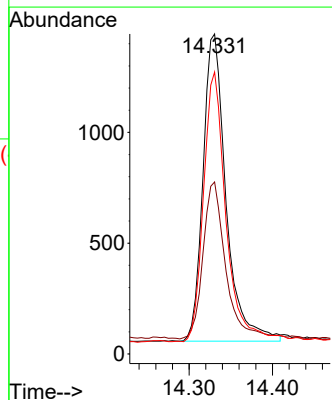
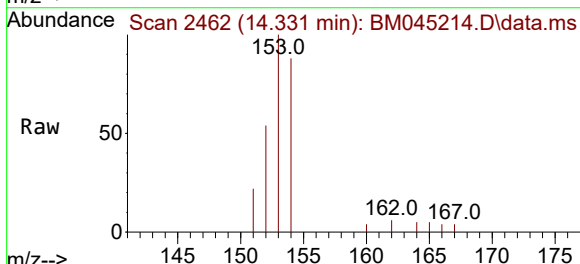
Instrument :
BNA_M
ClientSampleId :
E0ME5MSD

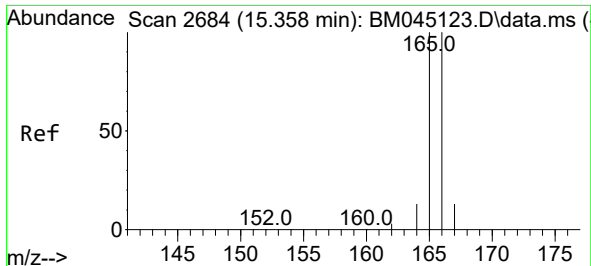
Tgt Ion:152 Resp: 3649
Ion Ratio Lower Upper
152 100
151 23.2 17.0 25.4
153 16.4 11.9 17.9



#11
Acenaphthene
Concen: 0.448 ng/ul
RT: 14.331 min Scan# 2462
Delta R.T. 0.005 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:153 Resp: 2668
Ion Ratio Lower Upper
153 100
152 53.7 41.2 61.8
154 88.1 69.4 104.0

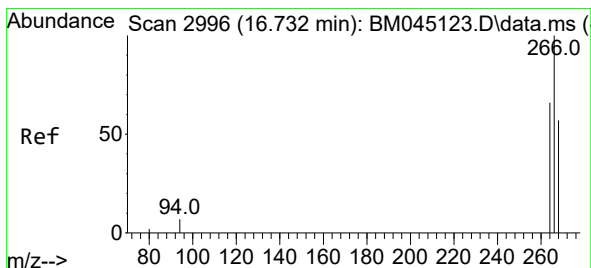
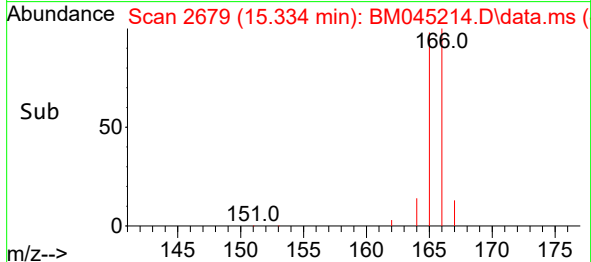
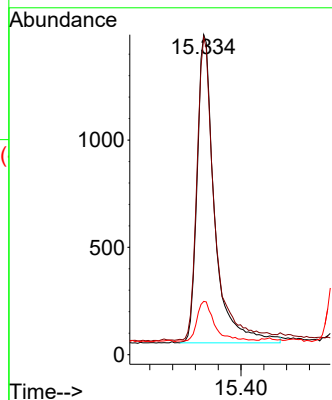
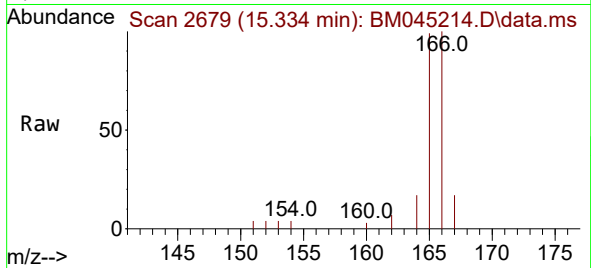




#12
Fluorene
Concen: 0.457 ng/ul
RT: 15.334 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

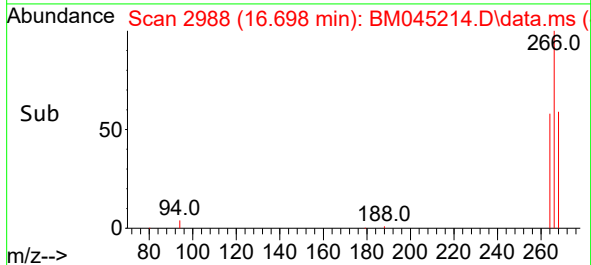
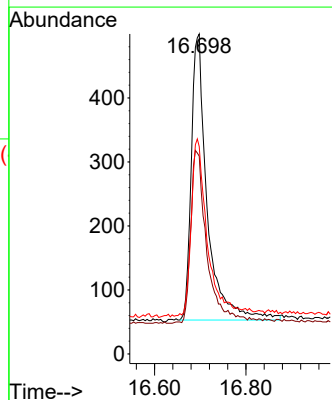
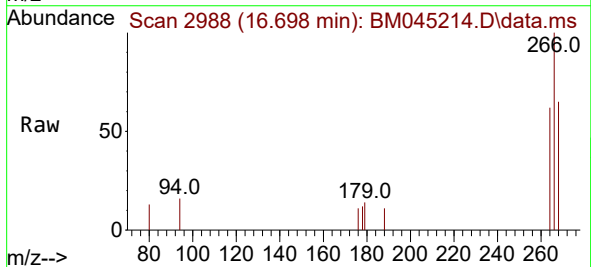
Instrument :
BNA_M
ClientSampleId :
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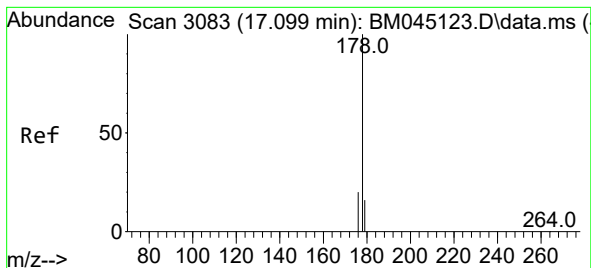
Tgt Ion:166 Resp: 3050
Ion Ratio Lower Upper
166 100
165 99.1 79.9 119.9
167 16.6 12.2 18.2



#14
Pentachlorophenol
Concen: 1.247 ng/ul
RT: 16.698 min Scan# 2988
Delta R.T. -0.000 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:266 Resp: 1085
Ion Ratio Lower Upper
266 100
264 60.7 48.3 72.5
268 64.3 52.6 79.0





#15

Phenanthrene

Concen: 0.506 ng/ul

RT: 17.073 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

Instrument :

BNA_M

ClientSampleId :

E0ME5MSD

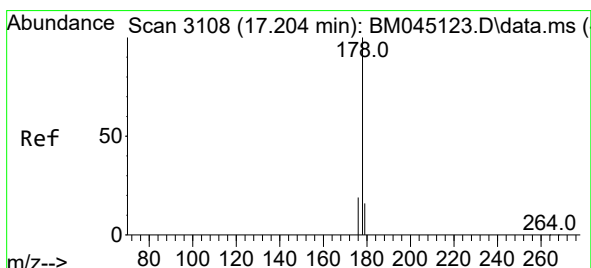
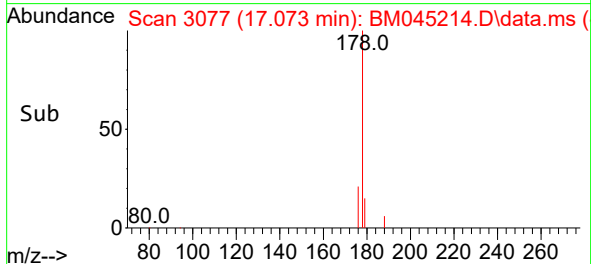
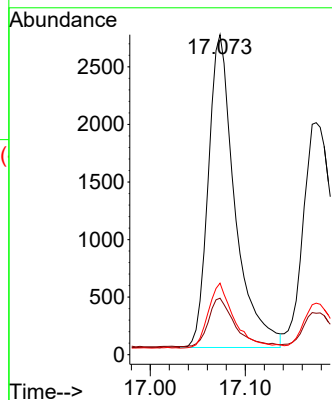
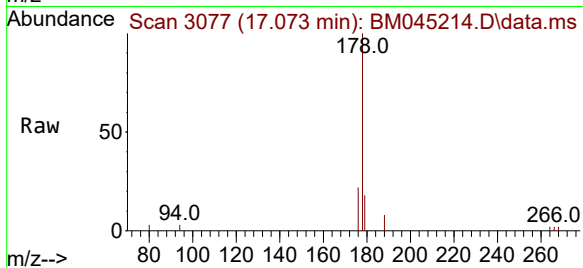
Tgt Ion:178 Resp: 5291

Ion Ratio Lower Upper

178 100

179 17.7 13.7 20.5

176 22.3 17.0 25.4



#16

Anthracene

Concen: 0.502 ng/ul

RT: 17.175 min Scan# 3101

Delta R.T. 0.004 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

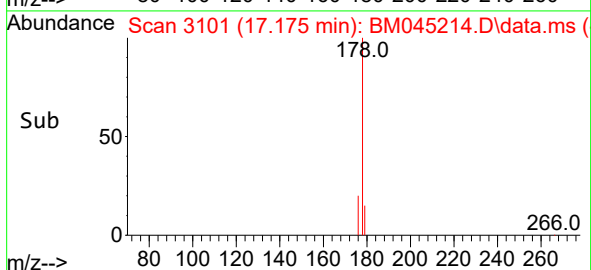
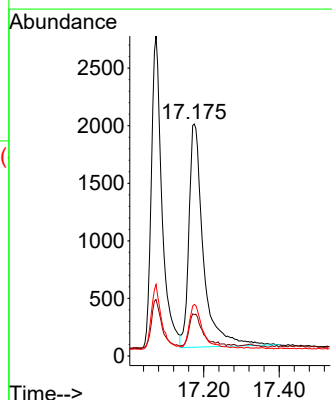
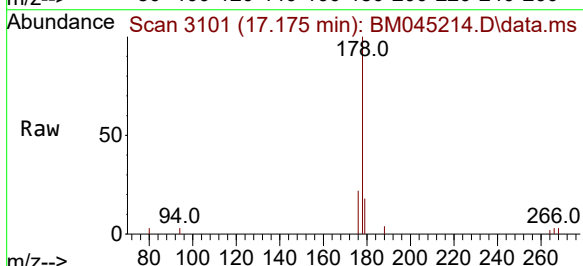
Tgt Ion:178 Resp: 5164

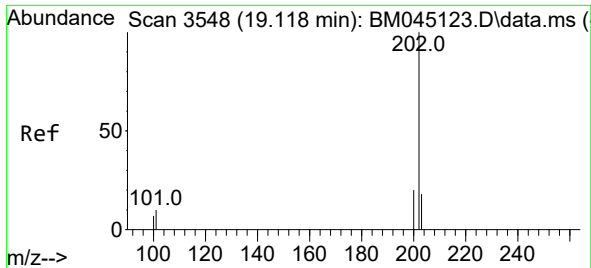
Ion Ratio Lower Upper

178 100

179 17.9 13.8 20.8

176 22.2 16.2 24.4

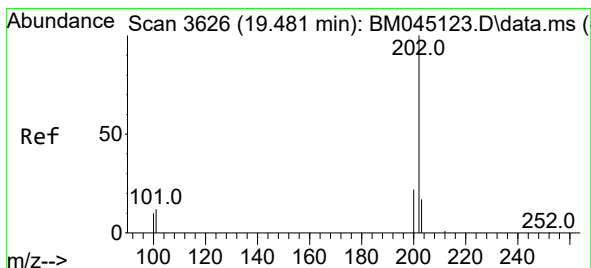
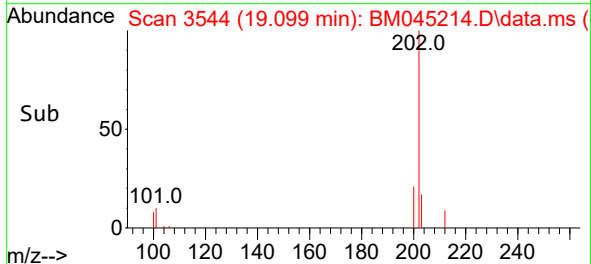
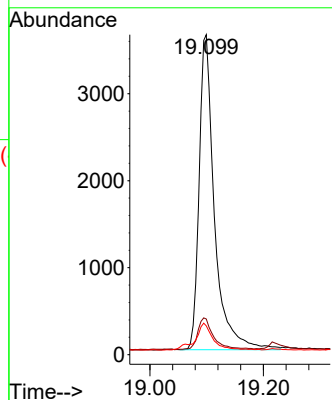
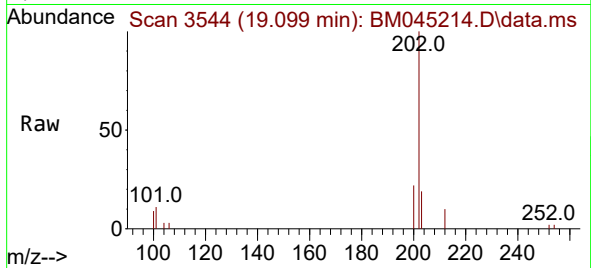




#19
Fluoranthene
Concen: 0.543 ng/ul
RT: 19.099 min Scan# 3544
Delta R.T. 0.005 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

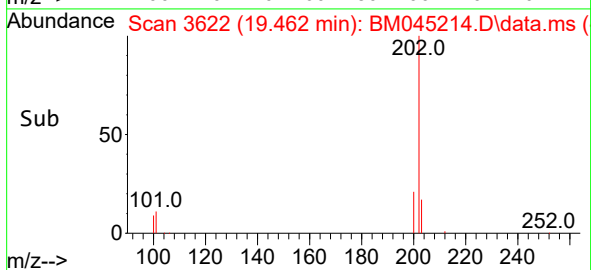
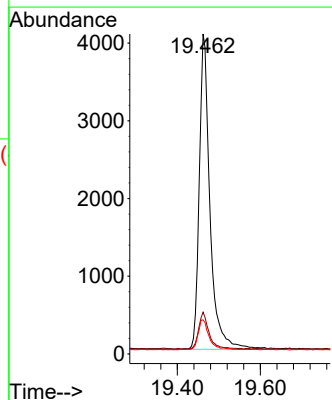
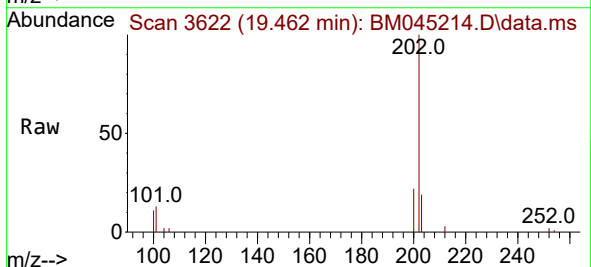
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ClientSampleId :
E0ME5MSD

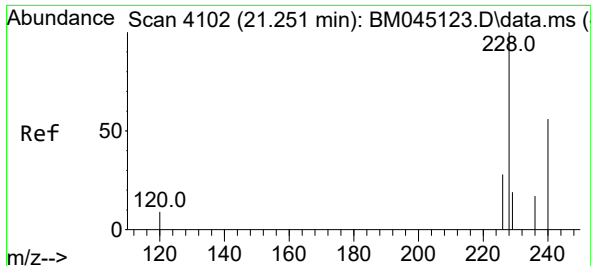
Tgt Ion:202 Resp: 6791
Ion Ratio Lower Upper
202 100
101 11.1 8.8 13.2
100 9.0 7.0 10.4



#20
Pyrene
Concen: 0.551 ng/ul
RT: 19.462 min Scan# 3622
Delta R.T. -0.000 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:202 Resp: 7284
Ion Ratio Lower Upper
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101 13.1 9.8 14.6
100 10.6 8.1 12.1

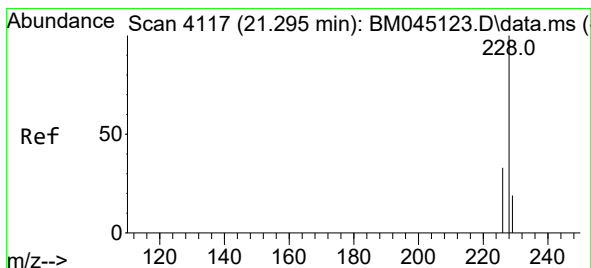
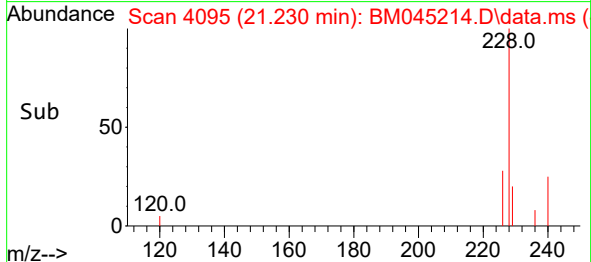
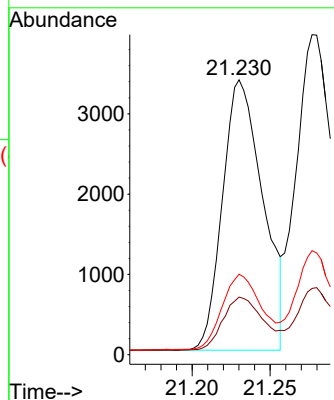
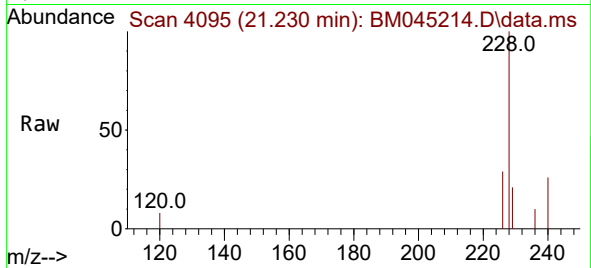




#21
Benzo(a)anthracene
Concen: 0.496 ng/ul
RT: 21.230 min Scan# 4095
Delta R.T. 0.003 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

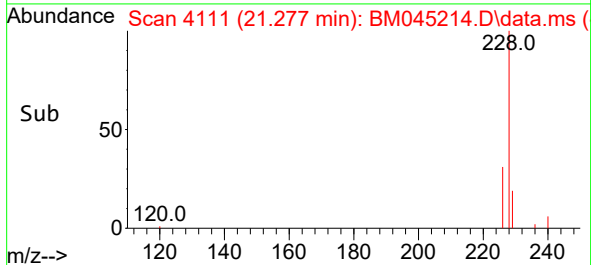
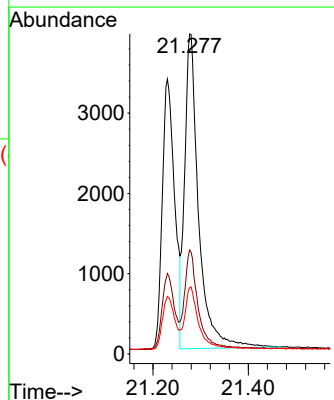
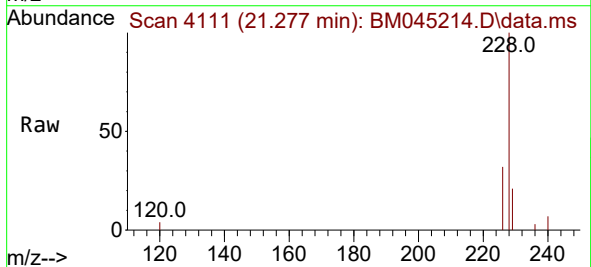
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BNA_M
ClientSampleId :
E0ME5MSD

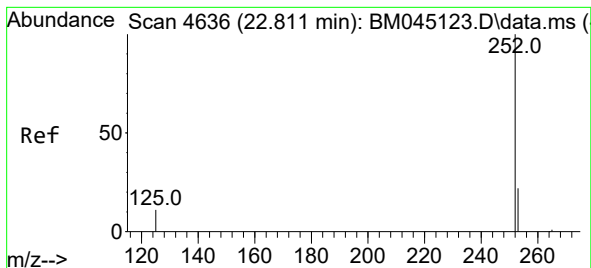
Tgt Ion:228 Resp: 6049
Ion Ratio Lower Upper
228 100
229 21.0 16.4 24.6
226 29.3 22.3 33.5



#22
Chrysene
Concen: 0.525 ng/ul
RT: 21.277 min Scan# 4111
Delta R.T. -0.000 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:228 Resp: 7981
Ion Ratio Lower Upper
228 100
226 32.5 24.9 37.3
229 20.7 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 0.494 ng/ul

RT: 22.793 min Scan# 4630

Delta R.T. -0.000 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

Instrument :

BNA_M

ClientSampleId :

E0ME5MSD

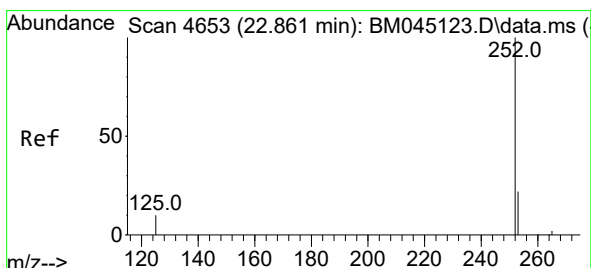
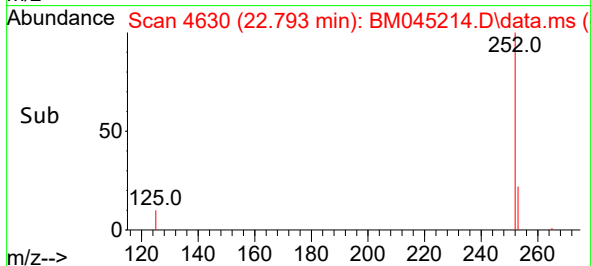
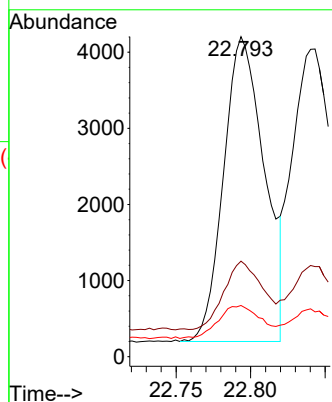
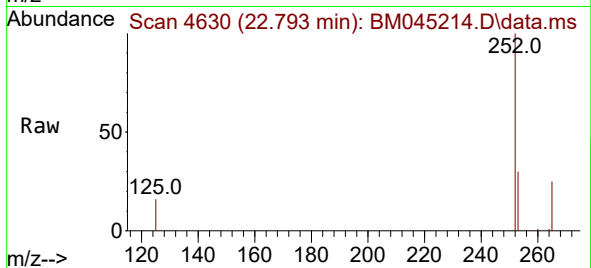
Tgt Ion:252 Resp: 7623

Ion Ratio Lower Upper

252 100

253 29.9 0.0 56.4

125 16.0 0.0 33.4



#25

Benzo(k)fluoranthene

Concen: 0.536 ng/ul

RT: 22.843 min Scan# 4647

Delta R.T. 0.003 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

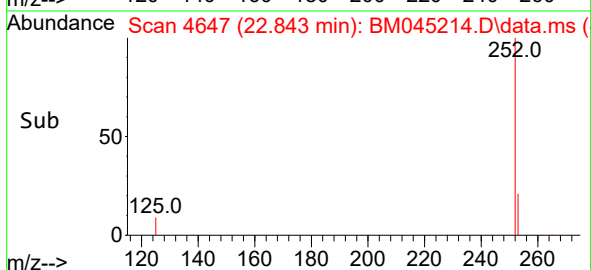
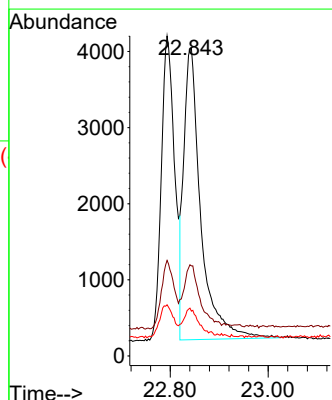
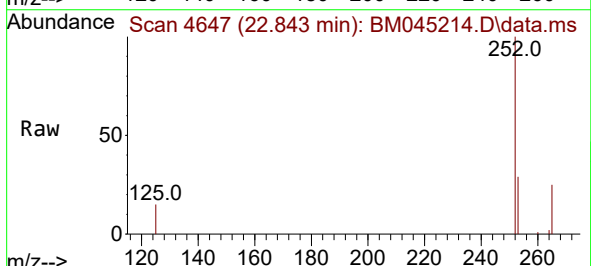
Tgt Ion:252 Resp: 9271

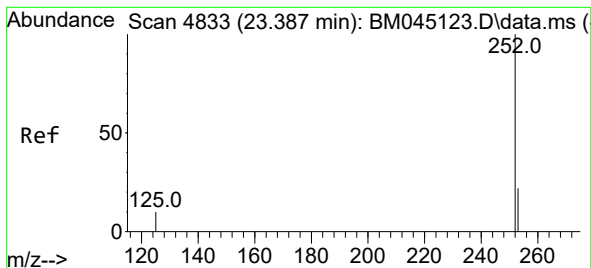
Ion Ratio Lower Upper

252 100

253 29.3 22.3 33.5

125 14.6 11.6 17.4





#26

Benzo(a)pyrene

Concen: 0.518 ng/ul

RT: 23.369 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

Instrument :

BNA_M

ClientSampleId :

EOME5MSD

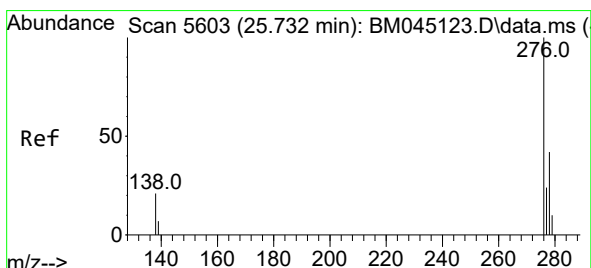
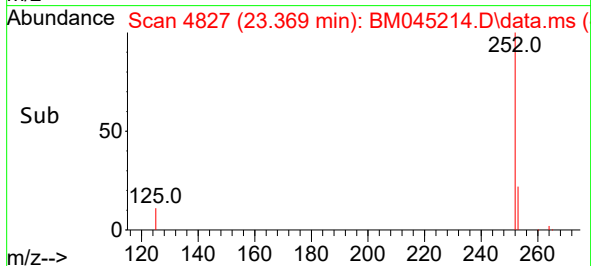
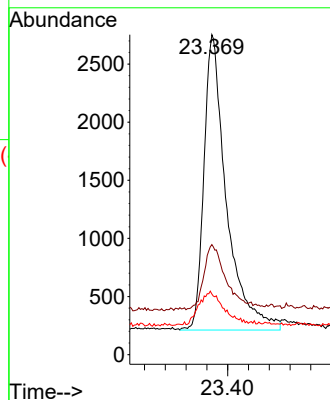
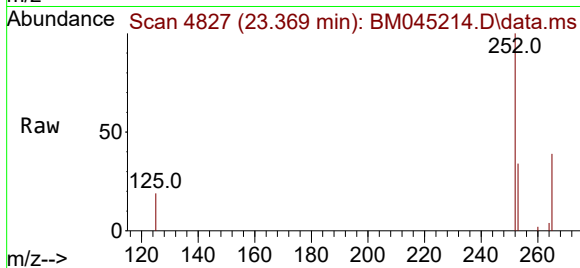
Tgt Ion:252 Resp: 7639

Ion Ratio Lower Upper

252 100

253 34.4 24.6 37.0

125 18.9 18.2 27.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.488 ng/ul

RT: 25.698 min Scan# 5593

Delta R.T. 0.003 min

Lab File: BM045214.D

Acq: 13 Apr 2024 20:41

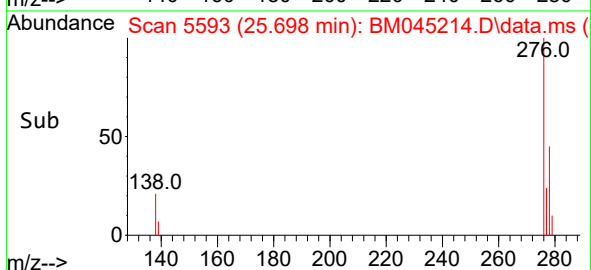
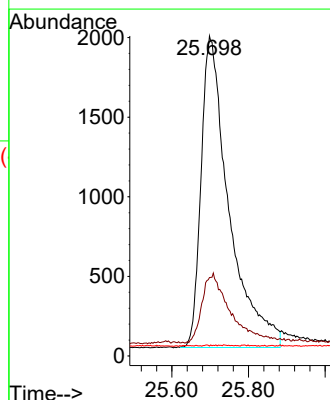
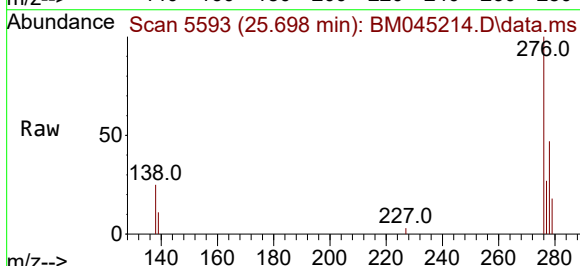
Tgt Ion:276 Resp: 9872

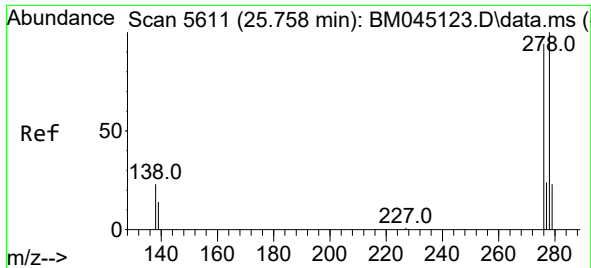
Ion Ratio Lower Upper

276 100

138 23.0 0.0 0.0#

227 0.1 0.1 0.1#

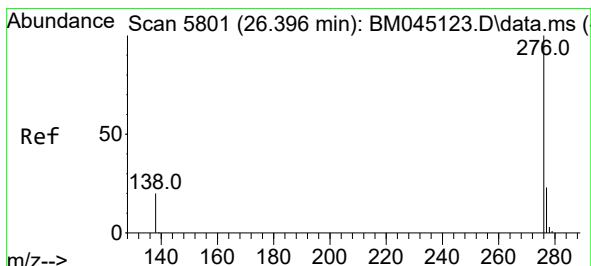
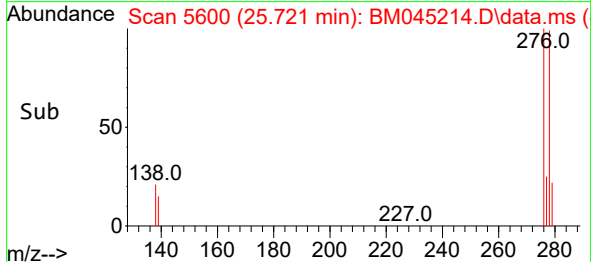
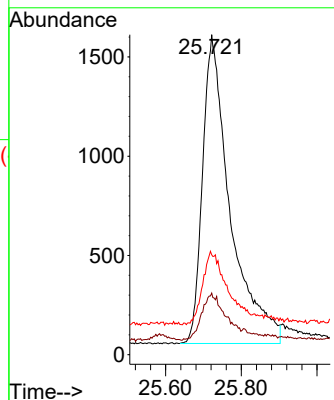
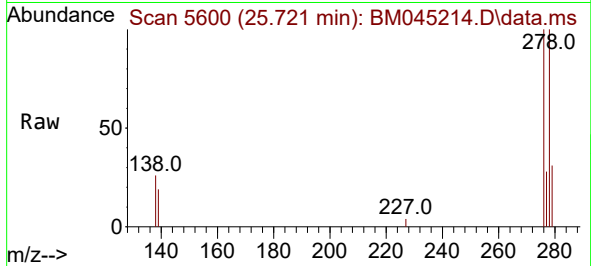




#28
Dibenzo(a,h)anthracene
Concen: 0.491 ng/ul
RT: 25.721 min Scan# 5093
Delta R.T. 0.007 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Instrument :
BNA_M
ClientSampleId :
E0ME5MSD

Tgt Ion:278 Resp: 7862
Ion Ratio Lower Upper
278 100
139 19.3 13.6 20.4
279 31.2 23.0 34.4



#29
Benzo(g,h,i)perylene
Concen: 0.500 ng/ul
RT: 26.369 min Scan# 5793
Delta R.T. 0.003 min
Lab File: BM045214.D
Acq: 13 Apr 2024 20:41

Tgt Ion:276 Resp: 8721
Ion Ratio Lower Upper
276 100
138 22.9 16.8 25.2
277 25.3 20.3 30.5

