

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041324\
 Data File : BM045213.D
 Acq On : 13 Apr 2024 20:05
 Operator : MA/JU
 Sample : P2014-21MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E0ME5MS

Quant Time: Apr 15 00:36:23 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)

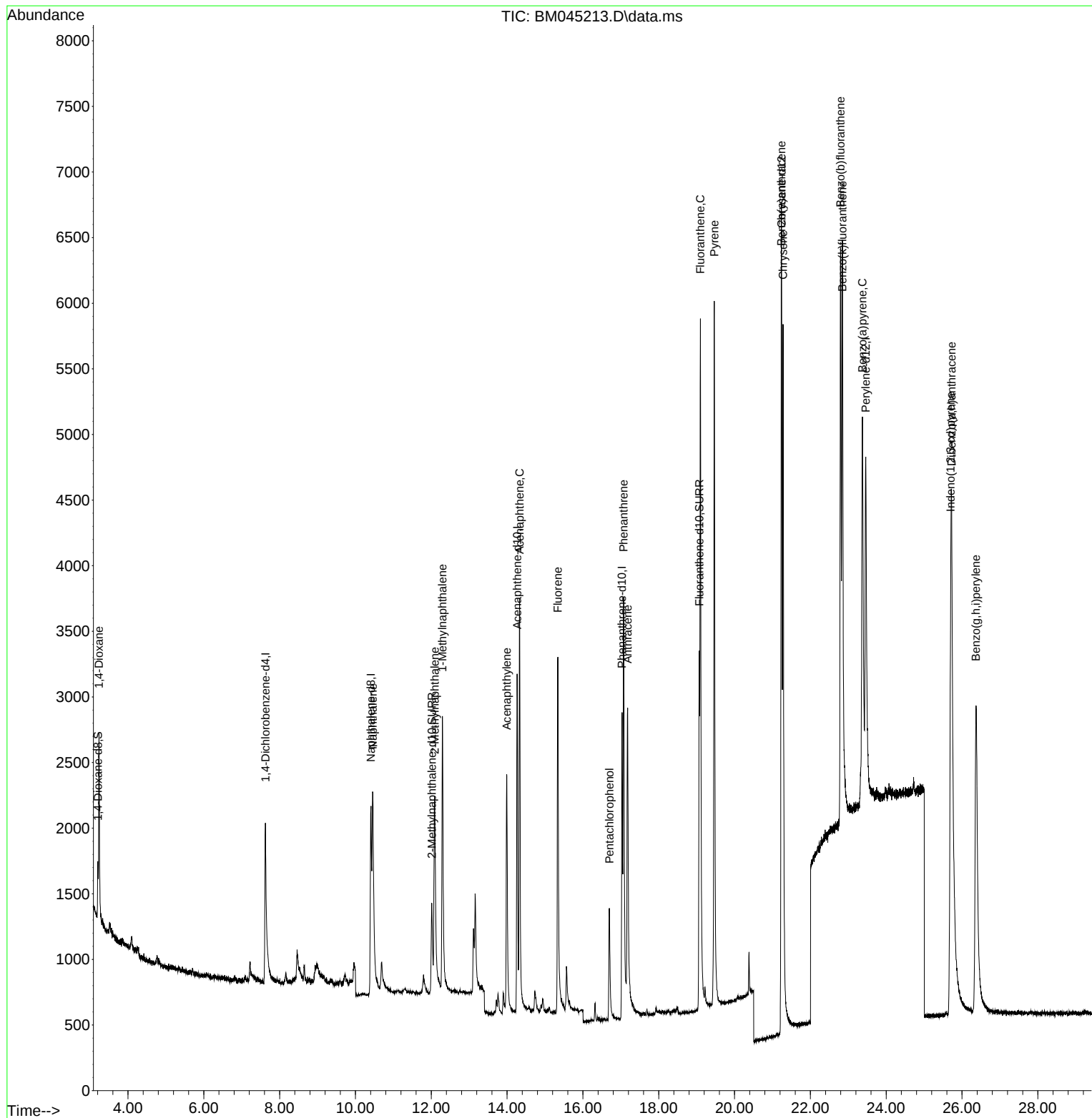
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.627	152	1256	0.400	ng/ul	0.01
4) Naphthalene-d8	10.408	136	3625	0.400	ng/ul #	0.02
9) Acenaphthene-d10	14.265	164	1800	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.030	188	3893	0.400	ng/ul	0.00
17) Chrysene-d12	21.242	240	3698	0.400	ng/ul	0.00
23) Perylene-d12	23.461	264	4603	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.209	96	335	0.203	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.013	152	1647	0.335	ng/ul	0.02
18) Fluoranthene-d10	19.070	212	4067	0.435	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	1071	0.677	ng/ul#	86
5) Naphthalene	10.457	128	3415	0.355	ng/ul	97
7) 2-Methylnaphthalene	12.090	142	2006	0.349	ng/ul	99
8) 1-Methylnaphthalene	12.294	142	2054	0.327	ng/ul	97
10) Acenaphthylene	13.988	152	3126	0.348	ng/ul	96
11) Acenaphthene	14.330	153	2330	0.362	ng/ul	99
12) Fluorene	15.338	166	2561	0.355	ng/ul#	99
14) Pentachlorophenol	16.697	266	908	0.995	ng/ul	98
15) Phenanthrene	17.073	178	4427	0.404	ng/ul	98
16) Anthracene	17.178	178	4355	0.403	ng/ul	97
19) Fluoranthene	19.098	202	5775	0.437	ng/ul	97
20) Pyrene	19.465	202	6154	0.441	ng/ul	98
21) Benzo(a)anthracene	21.231	228	5185	0.403	ng/ul	97
22) Chrysene	21.277	228	6962	0.433	ng/ul	98
24) Benzo(b)fluoranthene	22.794	252	6421	0.386	ng/ul	97
25) Benzo(k)fluoranthene	22.844	252	7913	0.425	ng/ul	94
26) Benzo(a)pyrene	23.373	252	6535	0.412	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.702	276	8533	0.392	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.725	278	6772	0.393	ng/ul#	90
29) Benzo(g,h,i)perylene	26.369	276	7495	0.400	ng/ul	96

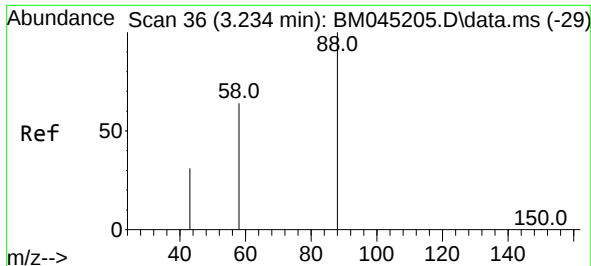
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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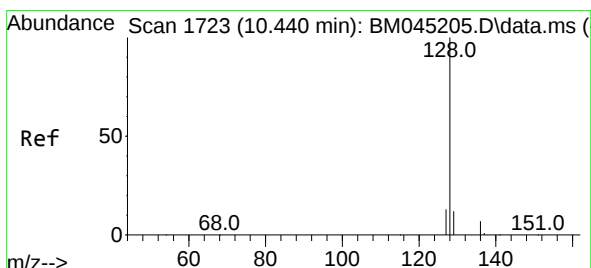
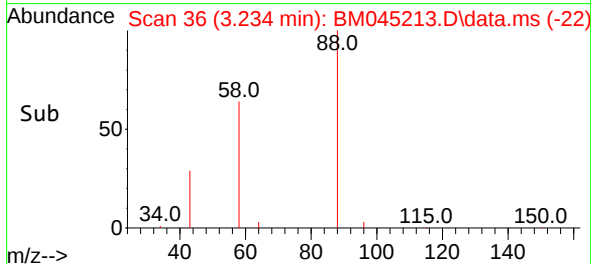
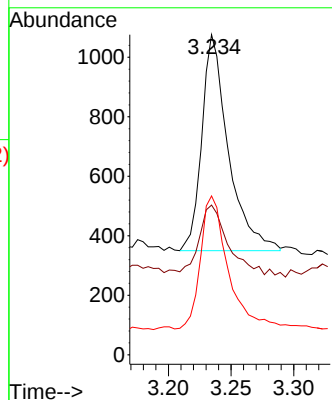
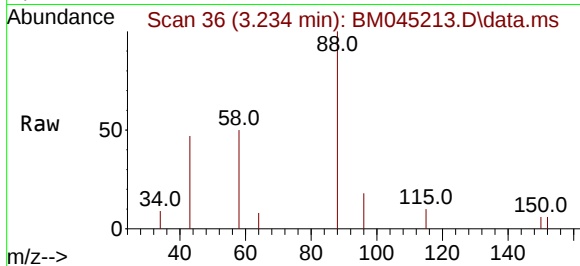




#2
 1,4-Dioxane
 Concen: 0.677 ng/ul
 RT: 3.234 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BM045213.D
 Acq: 13 Apr 2024 20:05

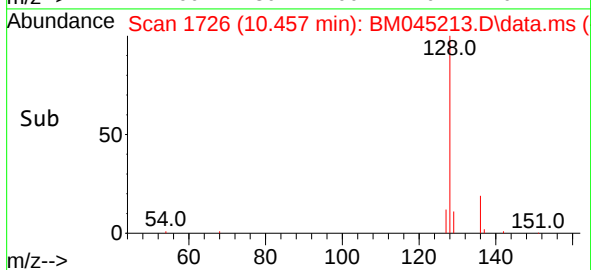
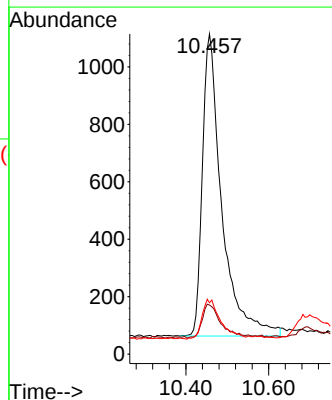
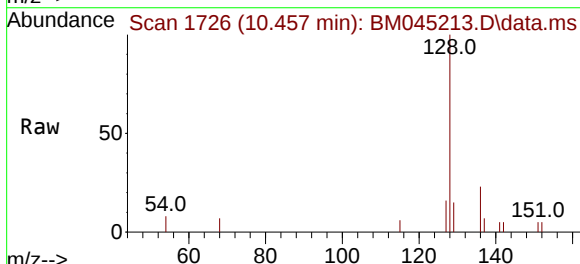
Instrument :
 BNA_M
 ClientSampleId :
 EOME5MS

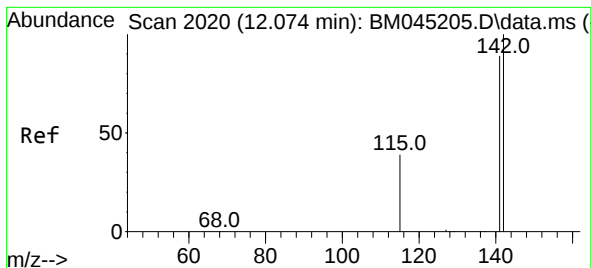
Tgt Ion: 88 Resp: 1071
 Ion Ratio Lower Upper
 88 100
 43 46.7 30.6 46.0#
 58 49.6 32.6 48.8#



#5
 Naphthalene
 Concen: 0.355 ng/ul
 RT: 10.457 min Scan# 1726
 Delta R.T. 0.017 min
 Lab File: BM045213.D
 Acq: 13 Apr 2024 20:05

Tgt Ion: 128 Resp: 3415
 Ion Ratio Lower Upper
 128 100
 129 15.3 11.3 16.9
 127 16.1 11.9 17.9





#7

2-Methylnaphthalene

Concen: 0.349 ng/ul

RT: 12.090 min Scan# 20

Delta R.T. 0.017 min

Lab File: BM045213.D

Acq: 13 Apr 2024 20:05

Instrument :

BNA_M

ClientSampleId :

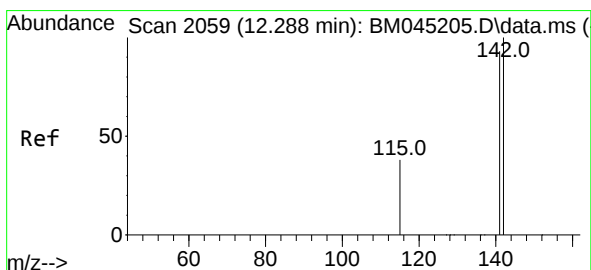
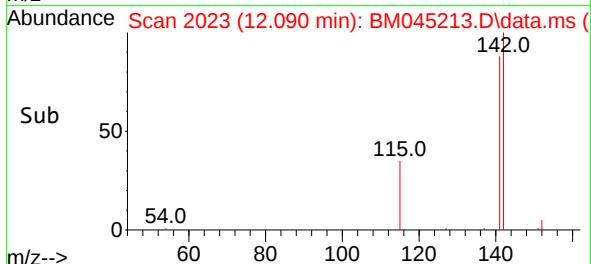
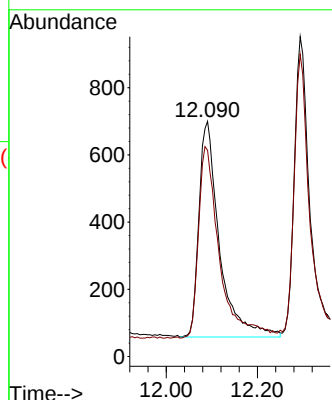
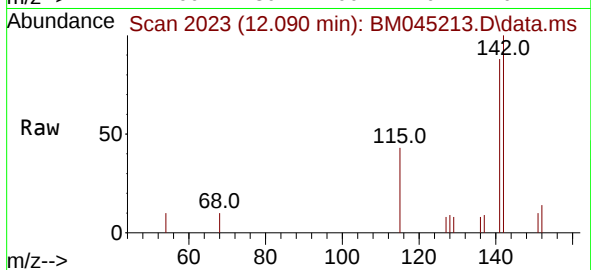
EOME5MS

Tgt Ion:142 Resp: 2006

Ion Ratio Lower Upper

142 100

141 91.1 73.8 110.8



#8

1-Methylnaphthalene

Concen: 0.327 ng/ul

RT: 12.294 min Scan# 2060

Delta R.T. 0.006 min

Lab File: BM045213.D

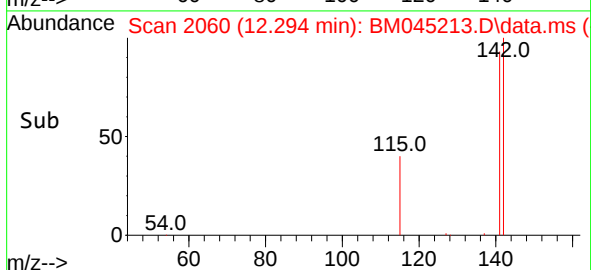
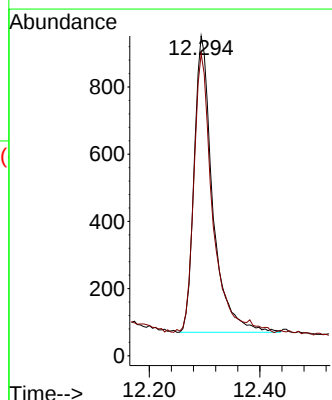
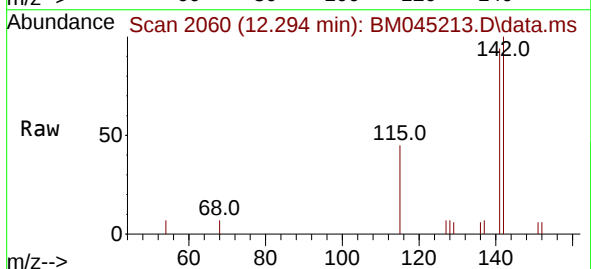
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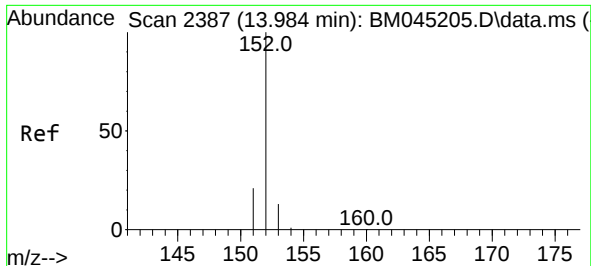
Tgt Ion:142 Resp: 2054

Ion Ratio Lower Upper

142 100

141 95.9 74.2 111.2

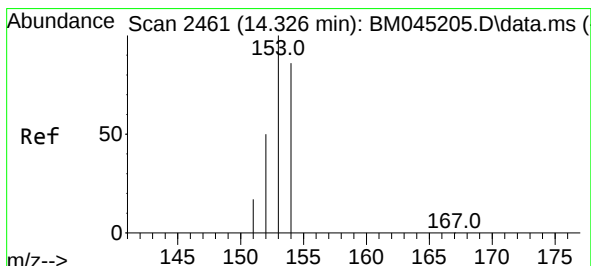
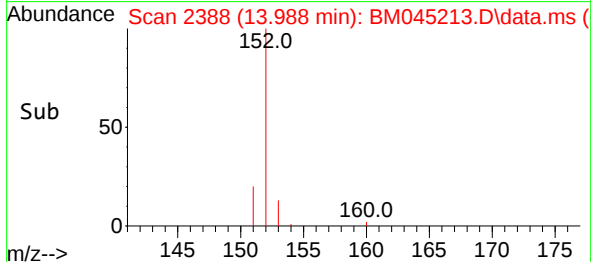
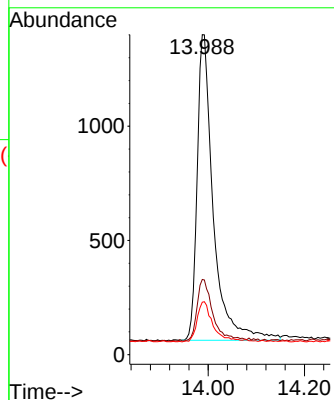
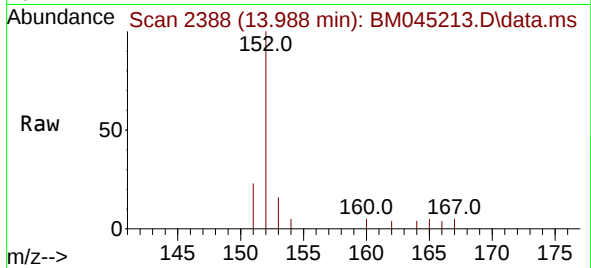




#10
Acenaphthylene
Concen: 0.348 ng/ul
RT: 13.988 min Scan# 21
Delta R.T. 0.004 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

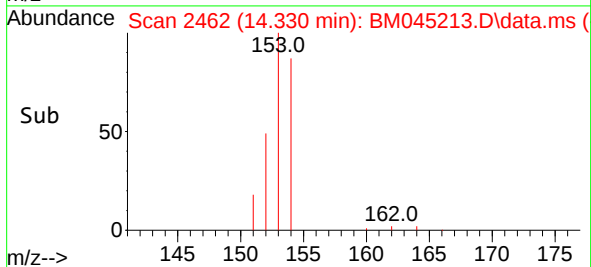
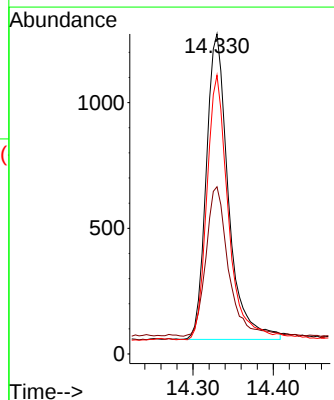
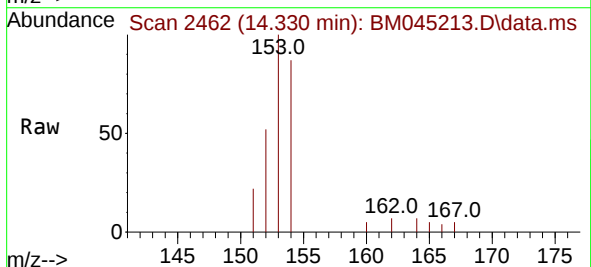
Instrument :
BNA_M
ClientSampleId :
E0ME5MS

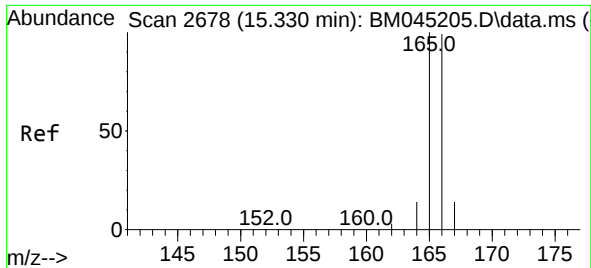
Tgt Ion:152 Resp: 3126
Ion Ratio Lower Upper
152 100
151 23.5 17.0 25.4
153 16.4 11.9 17.9



#11
Acenaphthene
Concen: 0.362 ng/ul
RT: 14.330 min Scan# 2462
Delta R.T. 0.004 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:153 Resp: 2330
Ion Ratio Lower Upper
153 100
152 52.2 41.2 61.8
154 87.1 69.4 104.0

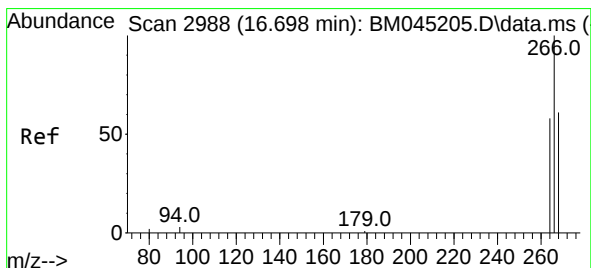
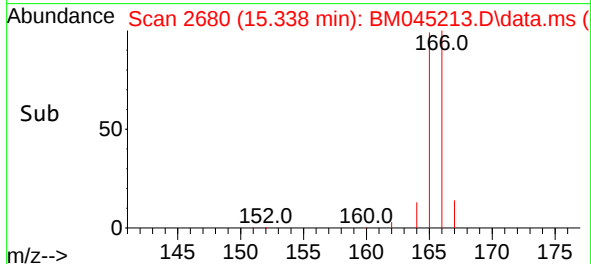
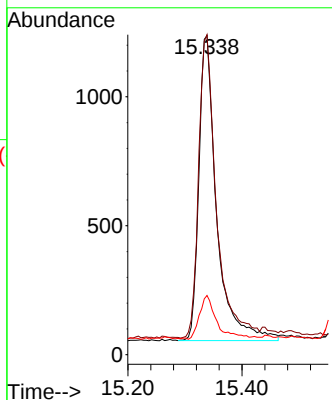
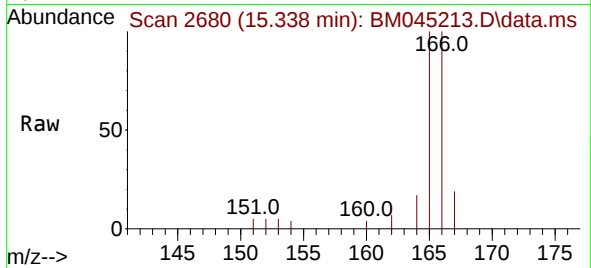




#12
Fluorene
Concen: 0.355 ng/ul
RT: 15.338 min Scan# 2680
Delta R.T. 0.008 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

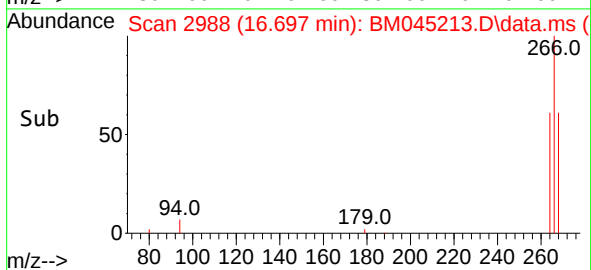
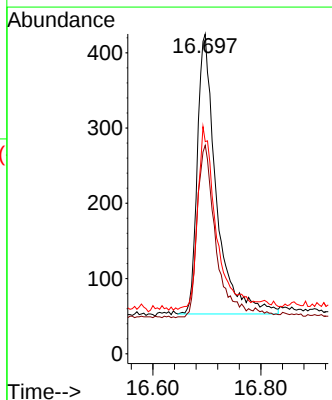
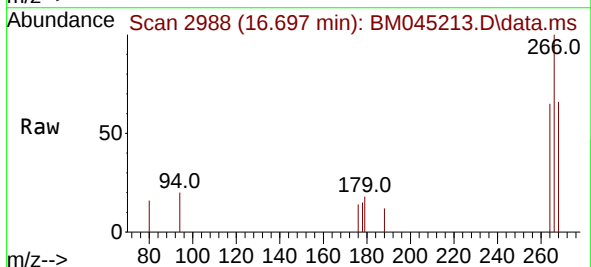
Instrument :
BNA_M
ClientSampleId :
E0ME5MS

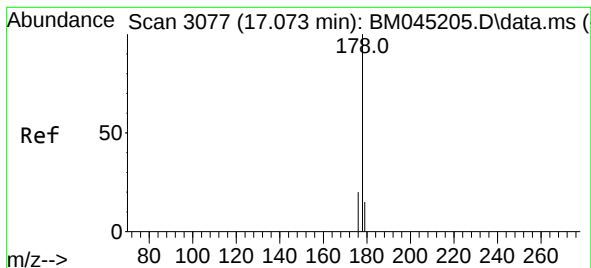
Tgt Ion:166 Resp: 2561
Ion Ratio Lower Upper
166 100
165 100.3 79.9 119.9
167 18.6 12.2 18.2#



#14
Pentachlorophenol
Concen: 0.995 ng/ul
RT: 16.697 min Scan# 2988
Delta R.T. -0.001 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:266 Resp: 908
Ion Ratio Lower Upper
266 100
264 62.6 48.3 72.5
268 66.2 52.6 79.0





#15

Phenanthrene

Concen: 0.404 ng/ul

RT: 17.073 min Scan# 3077

Delta R.T. -0.001 min

Lab File: BM045213.D

Acq: 13 Apr 2024 20:05

Instrument :

BNA_M

ClientSampleId :

E0ME5MS

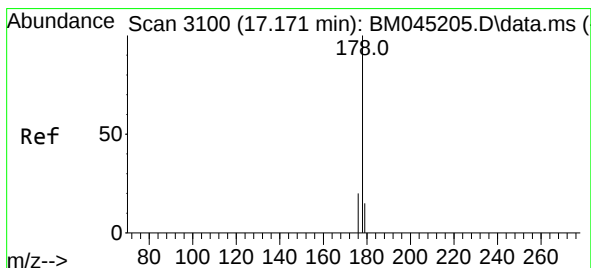
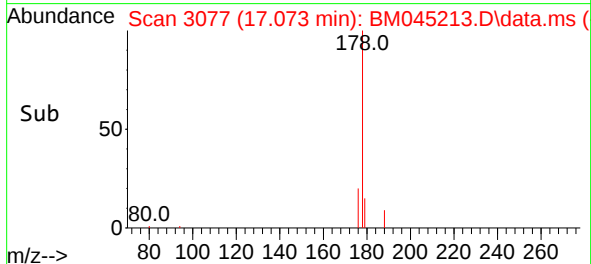
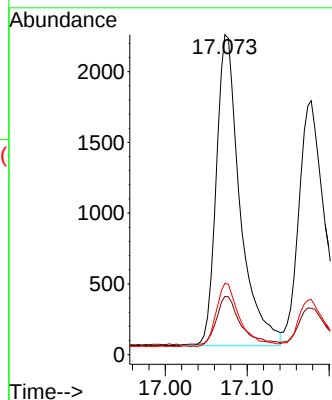
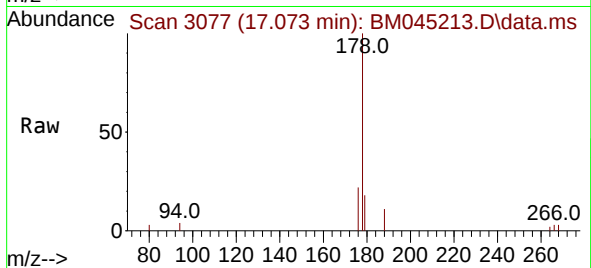
Tgt Ion:178 Resp: 4427

Ion Ratio Lower Upper

178 100

179 18.2 13.7 20.5

176 22.3 17.0 25.4



#16

Anthracene

Concen: 0.403 ng/ul

RT: 17.178 min Scan# 3102

Delta R.T. 0.008 min

Lab File: BM045213.D

Acq: 13 Apr 2024 20:05

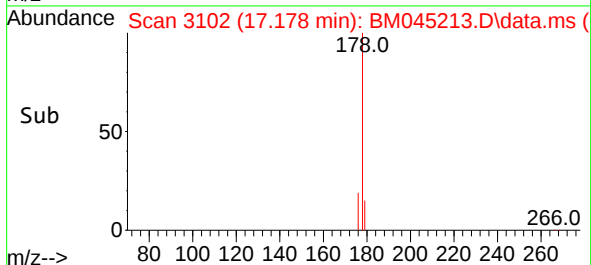
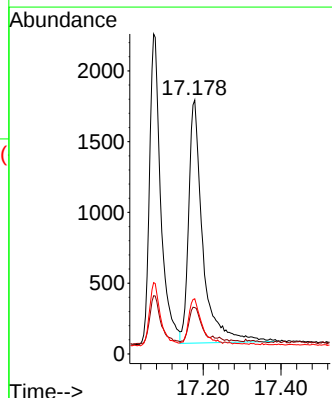
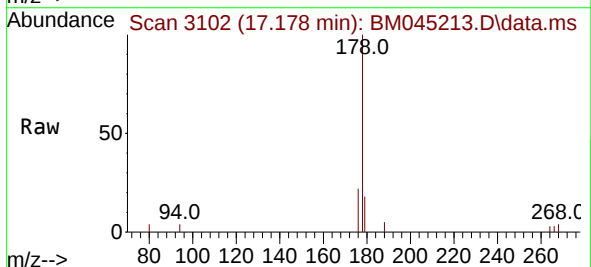
Tgt Ion:178 Resp: 4355

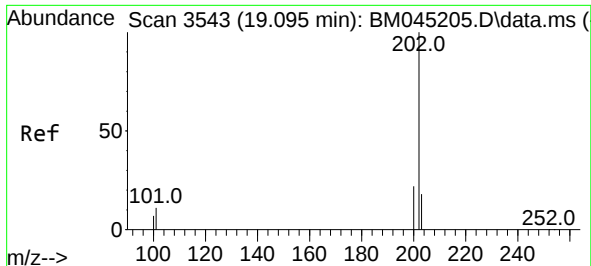
Ion Ratio Lower Upper

178 100

179 18.3 13.8 20.8

176 21.7 16.2 24.4

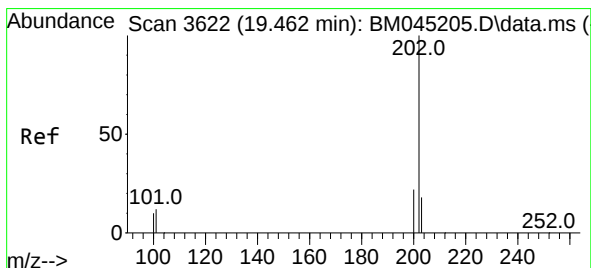
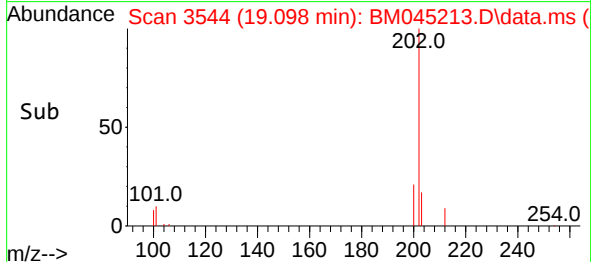
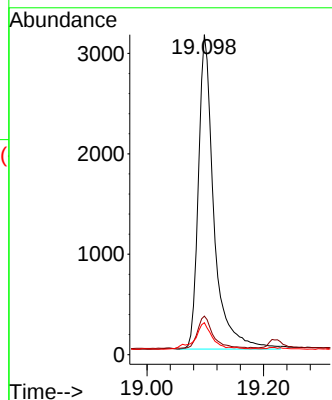
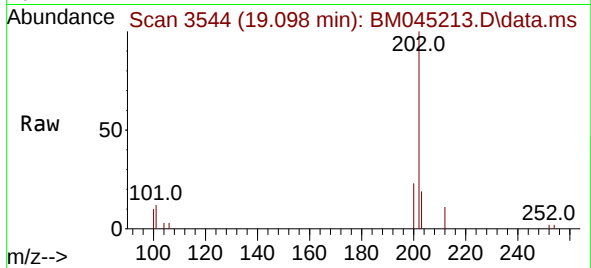




#19
Fluoranthene
Concen: 0.437 ng/ul
RT: 19.098 min Scan# 3544
Delta R.T. 0.003 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

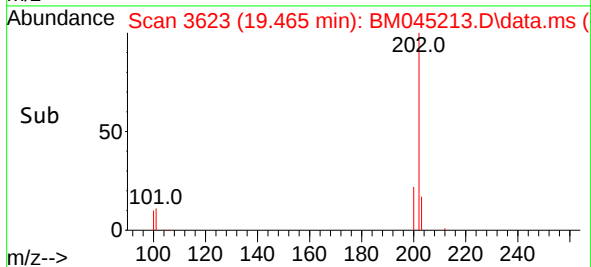
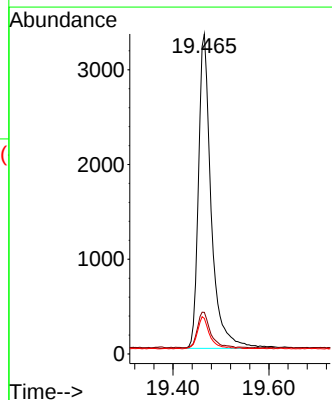
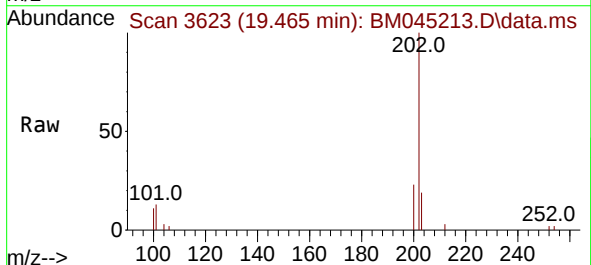
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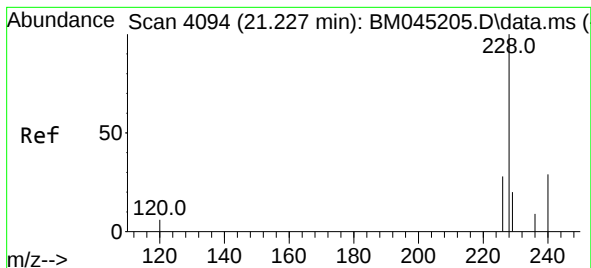
Tgt Ion:202 Resp: 5775
Ion Ratio Lower Upper
202 100
101 12.0 8.8 13.2
100 10.0 7.0 10.4



#20
Pyrene
Concen: 0.441 ng/ul
RT: 19.465 min Scan# 3623
Delta R.T. 0.003 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:202 Resp: 6154
Ion Ratio Lower Upper
202 100
101 13.0 9.8 14.6
100 11.1 8.1 12.1





#21

Benzo(a)anthracene

Concen: 0.403 ng/ul

RT: 21.231 min Scan# 4094

Delta R.T. 0.003 min

Lab File: BM045213.D

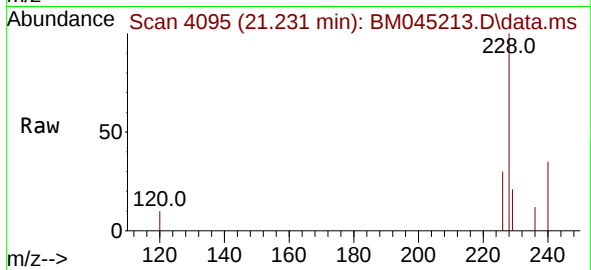
Acq: 13 Apr 2024 20:05

Instrument :

BNA_M

ClientSampleId :

E0ME5MS



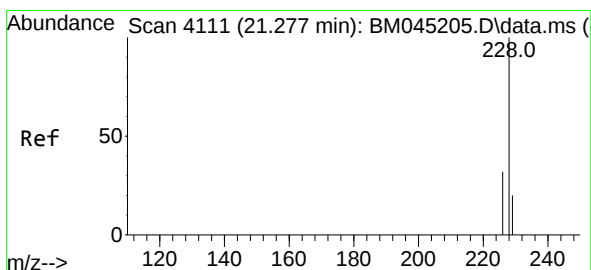
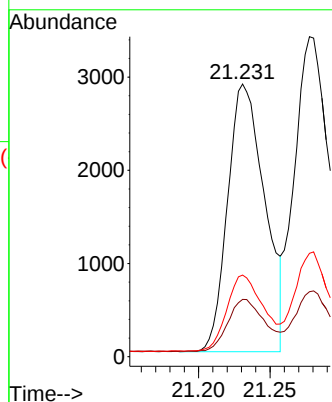
Tgt Ion:228 Resp: 5185

Ion Ratio Lower Upper

228 100

229 21.0 16.4 24.6

226 29.9 22.3 33.5



#22

Chrysene

Concen: 0.433 ng/ul

RT: 21.277 min Scan# 4111

Delta R.T. 0.001 min

Lab File: BM045213.D

Acq: 13 Apr 2024 20:05

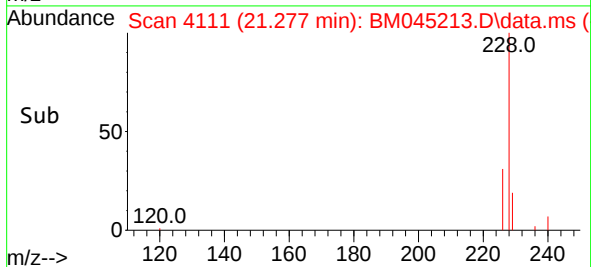
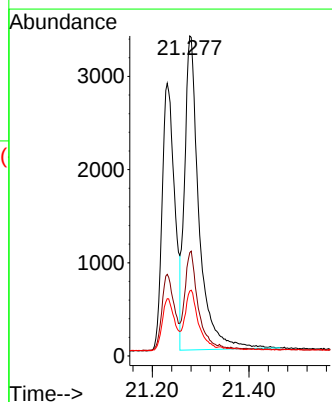
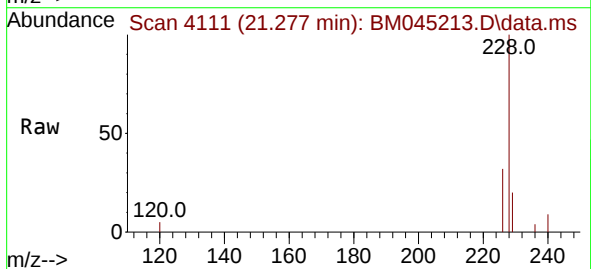
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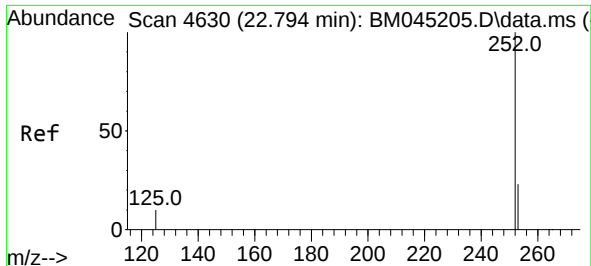
Ion Ratio Lower Upper

228 100

226 32.3 24.9 37.3

229 20.3 15.9 23.9

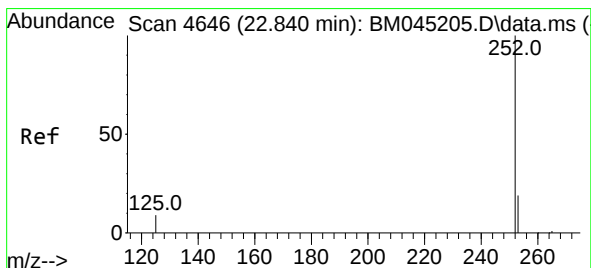
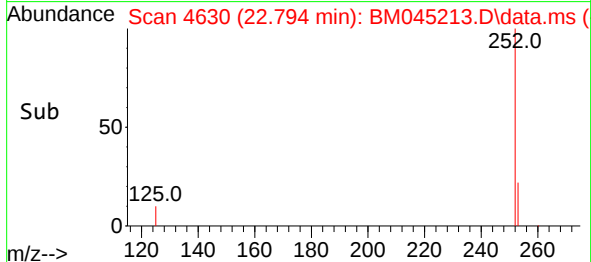
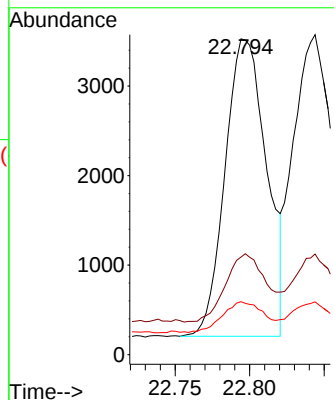
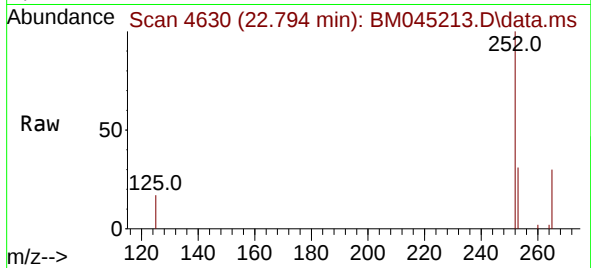




#24
Benzo(b)fluoranthene
Concen: 0.386 ng/ul
RT: 22.794 min Scan# 4630
Delta R.T. 0.001 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

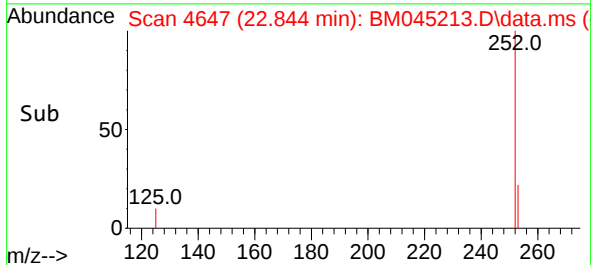
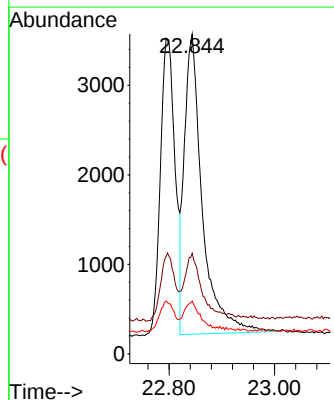
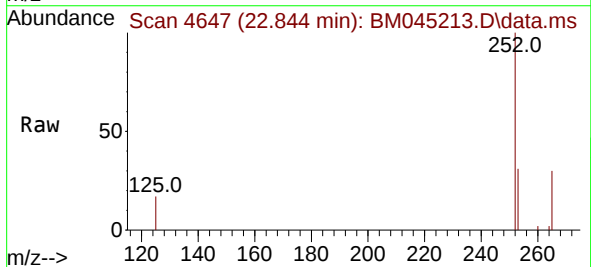
Instrument :
BNA_M
ClientSampleId :
E0ME5MS

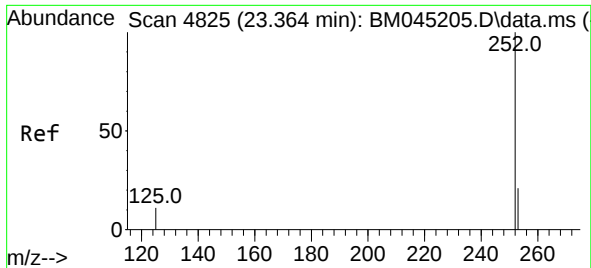
Tgt Ion:252 Resp: 6421
Ion Ratio Lower Upper
252 100
253 30.9 0.0 56.4
125 16.8 0.0 33.4



#25
Benzo(k)fluoranthene
Concen: 0.425 ng/ul
RT: 22.844 min Scan# 4647
Delta R.T. 0.003 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:252 Resp: 7913
Ion Ratio Lower Upper
252 100
253 31.5 22.3 33.5
125 16.5 11.6 17.4

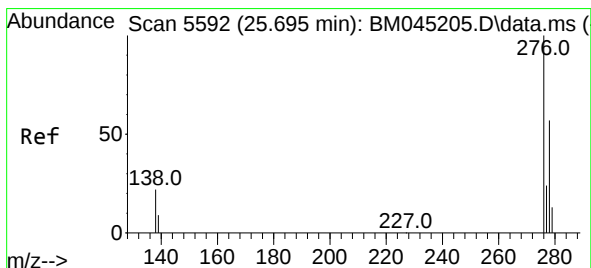
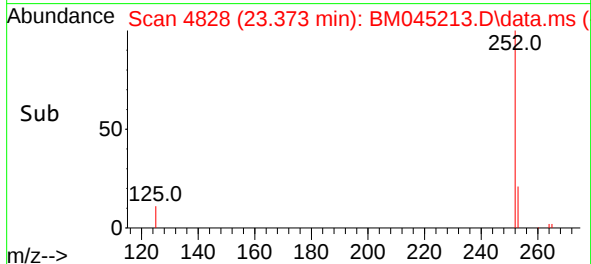
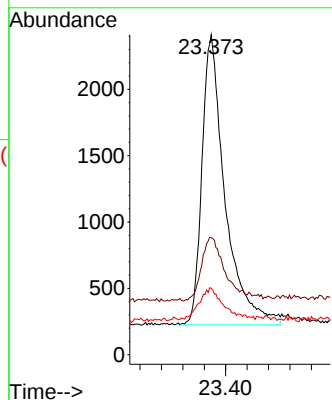
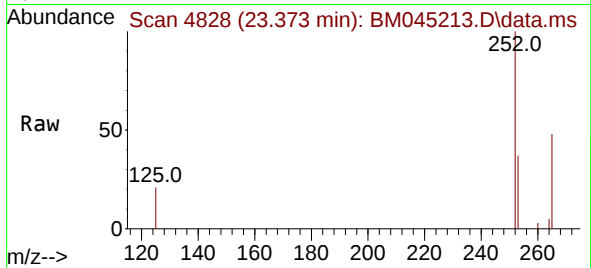




#26
Benzo(a)pyrene
Concen: 0.412 ng/ul
RT: 23.373 min Scan# 4828
Delta R.T. 0.009 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

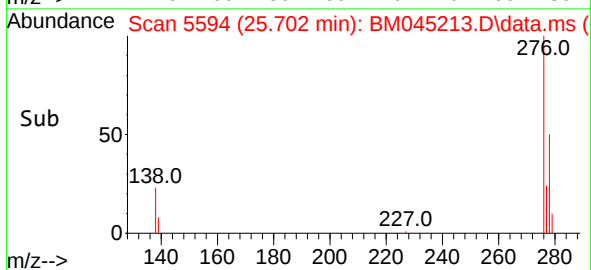
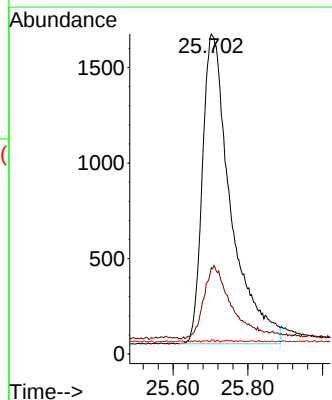
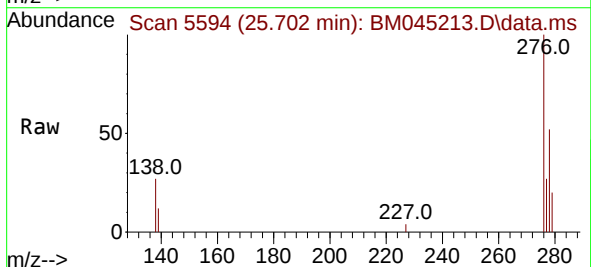
Instrument :
BNA_M
ClientSampleId :
EOME5MS

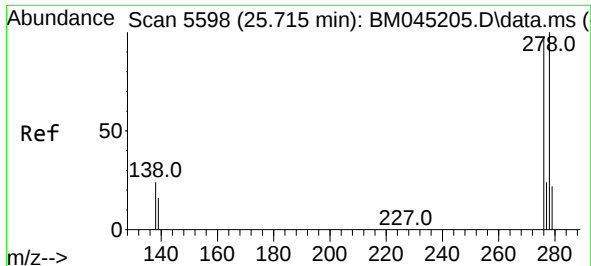
Tgt Ion:	252	Resp:	6535
Ion Ratio	Lower	Upper	
252	100		
253	36.6	24.6	37.0
125	20.8	18.2	27.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng/ul
RT: 25.702 min Scan# 5594
Delta R.T. 0.007 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:	276	Resp:	8533
Ion Ratio	Lower	Upper	
276	100		
138	23.5	0.0	0.0#
227	0.1	0.1	0.1#

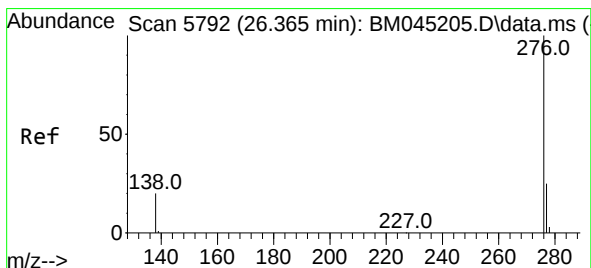
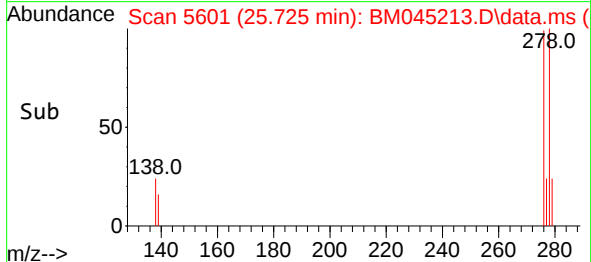
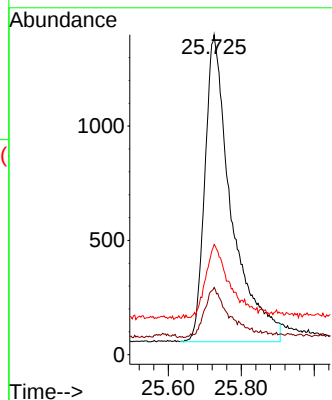
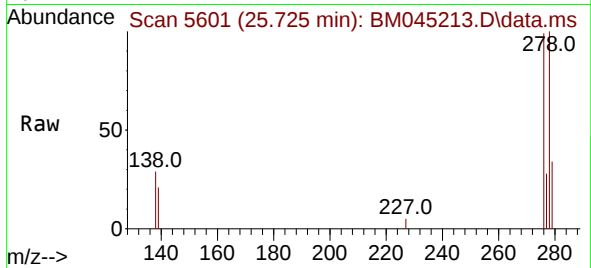




#28
Dibenzo(a,h)anthracene
Concen: 0.393 ng/ul
RT: 25.725 min Scan# 51
Delta R.T. 0.011 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Instrument :
BNA_M
ClientSampleId :
EOME5MS

Tgt Ion:278 Resp: 6772
Ion Ratio Lower Upper
278 100
139 21.0 13.6 20.4#
279 34.4 23.0 34.4



#29
Benzo(g,h,i)perylene
Concen: 0.400 ng/ul
RT: 26.369 min Scan# 5793
Delta R.T. 0.004 min
Lab File: BM045213.D
Acq: 13 Apr 2024 20:05

Tgt Ion:276 Resp: 7495
Ion Ratio Lower Upper
276 100
138 24.1 16.8 25.2
277 26.0 20.3 30.5

