

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042224\
 Data File : BM045488.D
 Acq On : 22 Apr 2024 19:57
 Operator : MA/JU
 Sample : PB160416BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS063

Quant Time: Apr 23 01:50:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 01:47:19 2024
 Response via : Initial Calibration

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

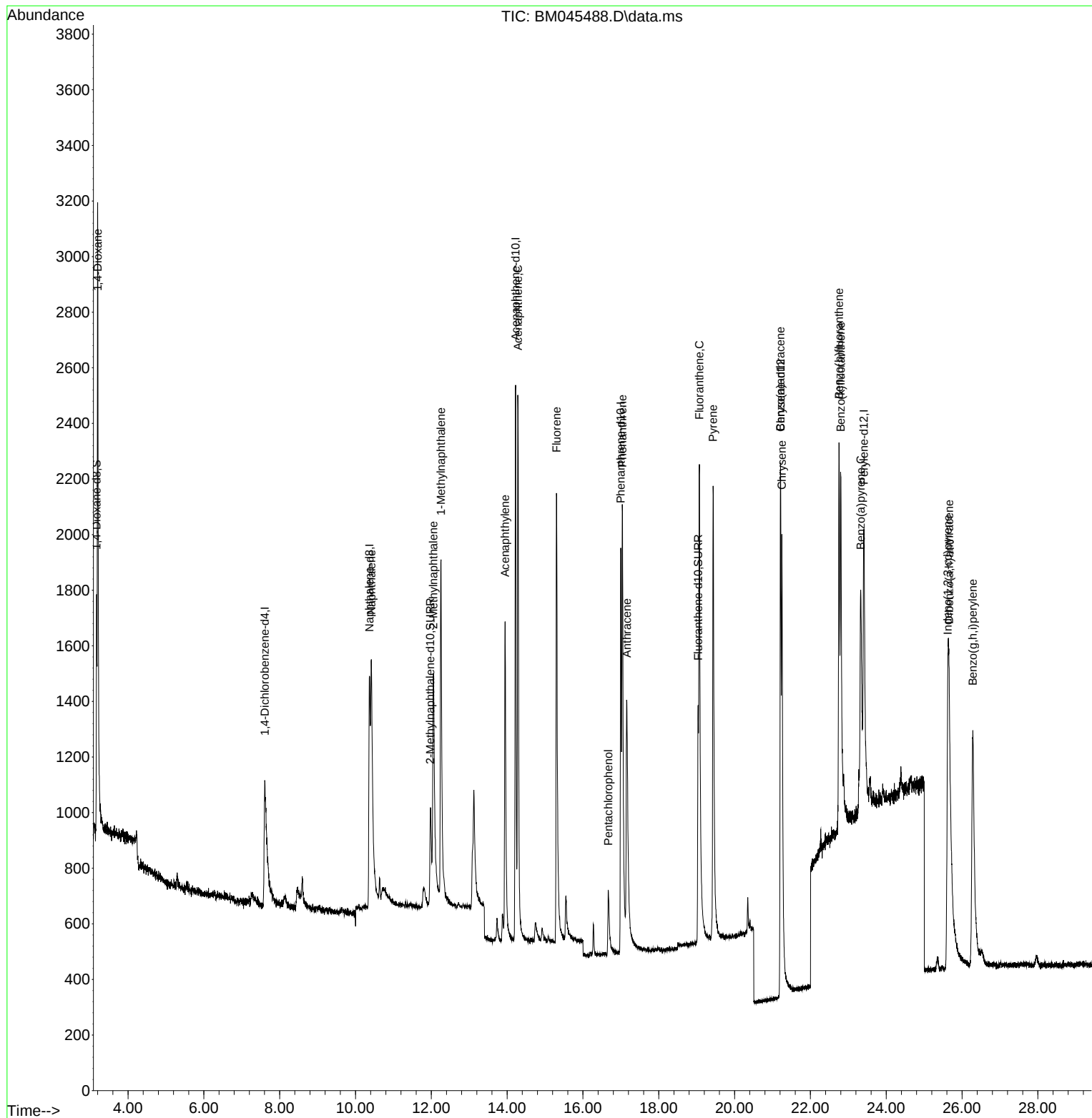
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.606	152	803	0.400	ng/ul	0.00
4) Naphthalene-d8	10.369	136	2678	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.223	164	1451	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.997	188	2807	0.400	ng/ul	0.00
17) Chrysene-d12	21.214	240	1427	0.400	ng/ul	0.00
23) Perylene-d12	23.411	264	1827	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.171	96	727	0.675	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.975	152	1007	0.285	ng/ul	0.00
18) Fluoranthene-d10	19.038	212	1567	0.349	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.201	88	1753	1.693	ng/ul#	83
5) Naphthalene	10.418	128	2031	0.282	ng/ul	96
7) 2-Methylnaphthalene	12.057	142	1198	0.292	ng/ul	96
8) 1-Methylnaphthalene	12.255	142	1328	0.288	ng/ul	96
10) Acenaphthylene	13.946	152	2102	0.294	ng/ul	99
11) Acenaphthene	14.284	153	1576	0.297	ng/ul	98
12) Fluorene	15.306	166	1673	0.294	ng/ul	98
14) Pentachlorophenol	16.667	266	296	0.529	ng/ul	95
15) Phenanthrene	17.043	178	2404	0.294	ng/ul	98
16) Anthracene	17.157	178	2228	0.291	ng/ul	95
19) Fluoranthene	19.071	202	2389	0.363	ng/ul	97
20) Pyrene	19.433	202	2457	0.363	ng/ul	96
21) Benzo(a)anthracene	21.208	228	1391	0.305	ng/ul	99
22) Chrysene	21.249	228	2272	0.324	ng/ul	99
24) Benzo(b)fluoranthene	22.756	252	2025	0.329	ng/ul	97
25) Benzo(k)fluoranthene	22.800	252	2505	0.323	ng/ul	96
26) Benzo(a)pyrene	23.329	252	2079	0.326	ng/ul	91
27) Indeno(1,2,3-cd)pyrene	25.622	276	3044	0.329	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.659	278	2333	0.318	ng/ul#	90
29) Benzo(g,h,i)perylene	26.286	276	2839	0.341	ng/ul	95

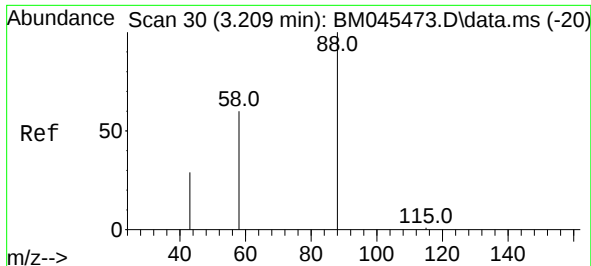
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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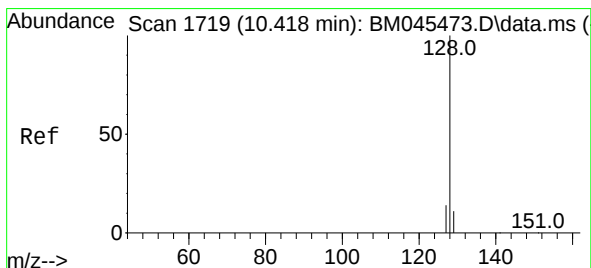
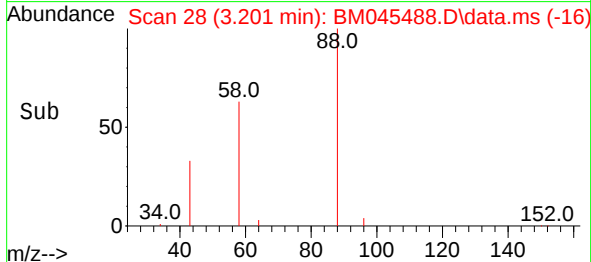
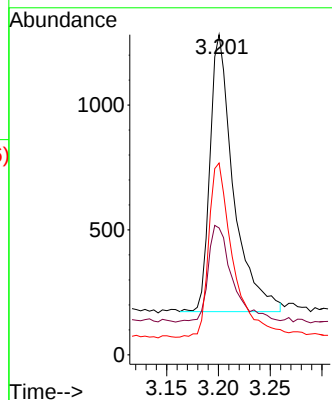
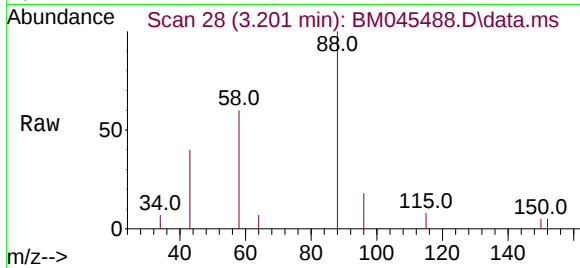




#2
1,4-Dioxane
Concen: 1.693 ng/ul
RT: 3.201 min Scan# 21
Delta R.T. -0.008 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

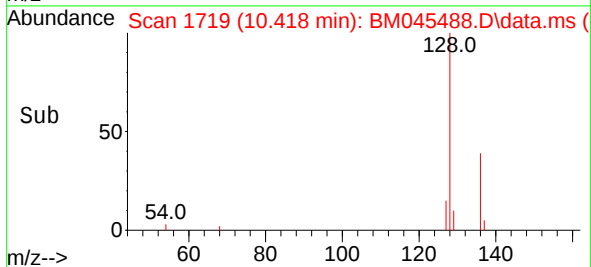
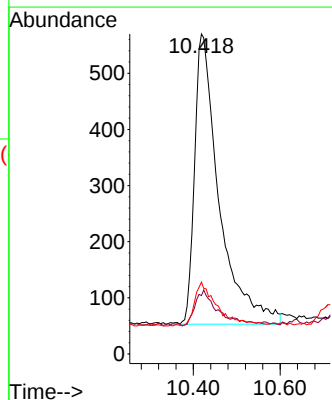
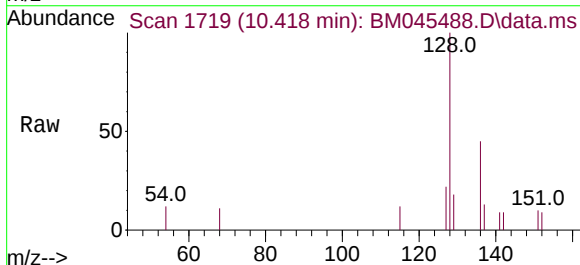
Instrument :
BNA_M
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SLCS063

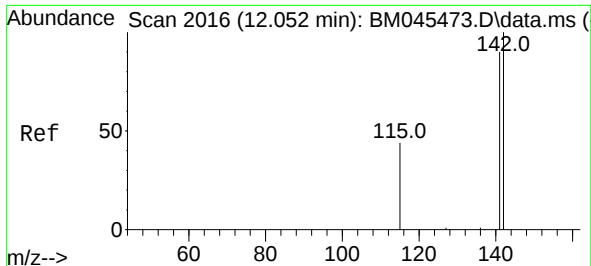
Tgt Ion: 88 Resp: 1753
Ion Ratio Lower Upper
88 100
43 39.6 36.8 55.2
58 59.9 35.4 53.2#



#5
Naphthalene
Concen: 0.282 ng/ul
RT: 10.418 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

Tgt Ion:128 Resp: 2031
Ion Ratio Lower Upper
128 100
129 18.2 14.0 21.0
127 22.5 15.4 23.2

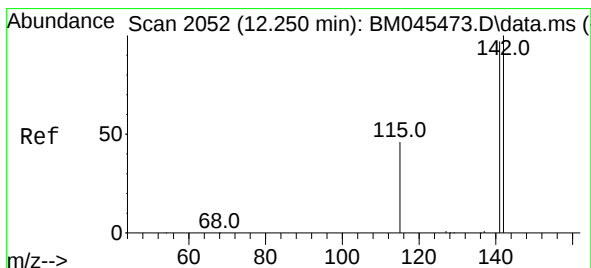
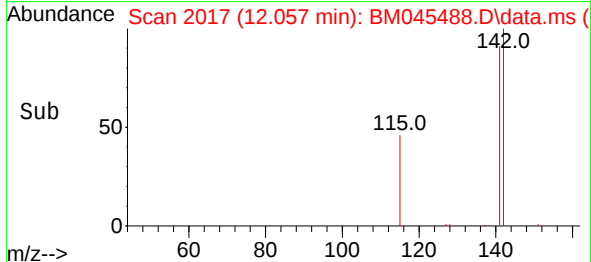
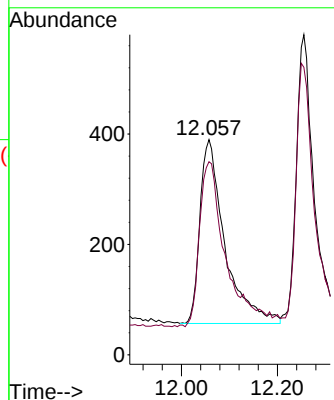
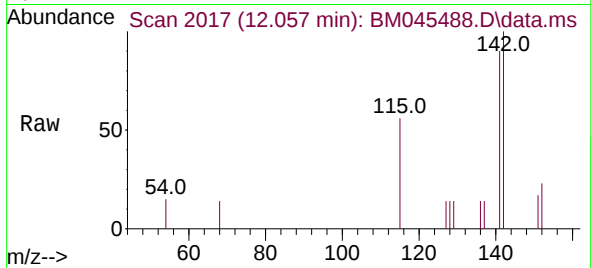




#7
2-Methylnaphthalene
Concen: 0.292 ng/ul
RT: 12.057 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

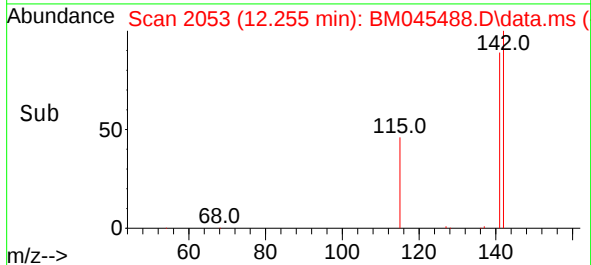
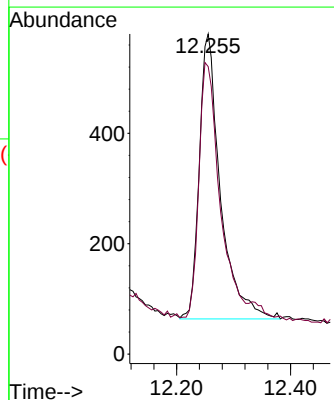
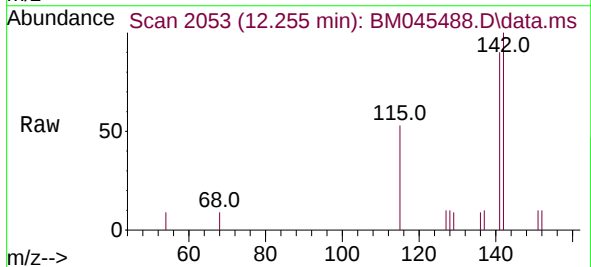
Instrument :
BNA_M
ClientSampleId :
SLCS063

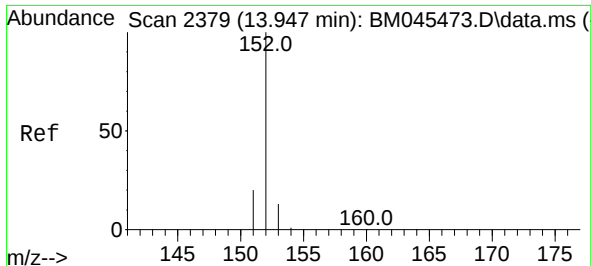
Tgt Ion:142 Resp: 1198
Ion Ratio Lower Upper
142 100
141 97.0 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.288 ng/ul
RT: 12.255 min Scan# 2053
Delta R.T. 0.005 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

Tgt Ion:142 Resp: 1328
Ion Ratio Lower Upper
142 100
141 90.7 76.1 114.1

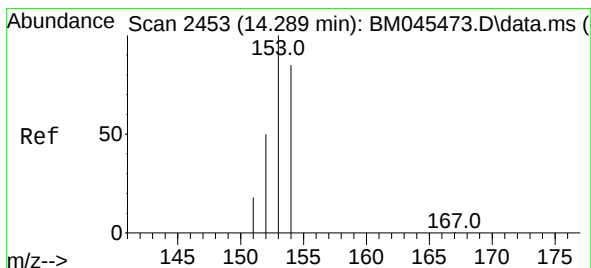
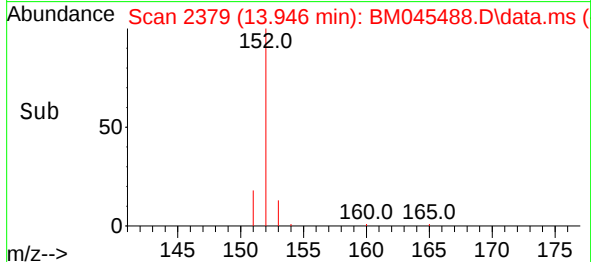
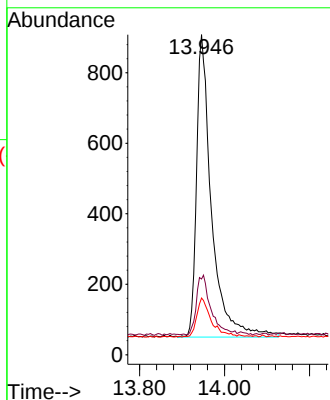
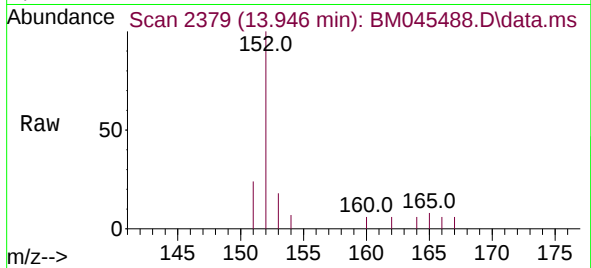




#10
Acenaphthylene
Concen: 0.294 ng/ul
RT: 13.946 min Scan# 2410
Delta R.T. -0.001 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

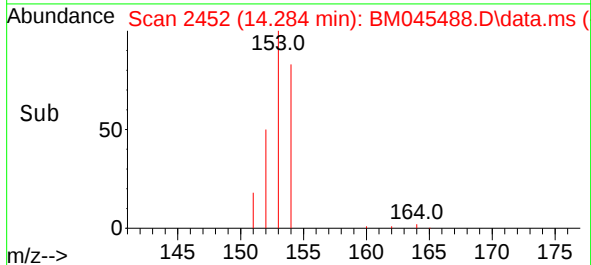
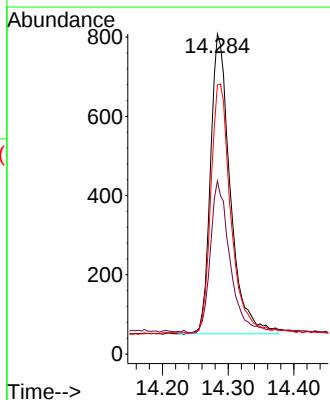
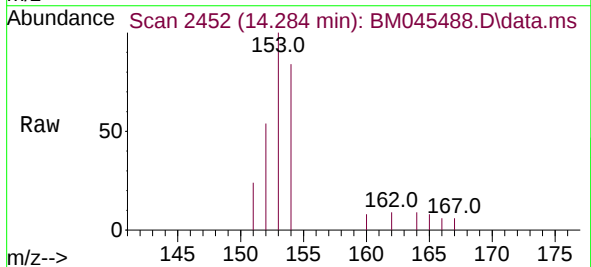
Instrument :
BNA_M
ClientSampleId :
SLCS063

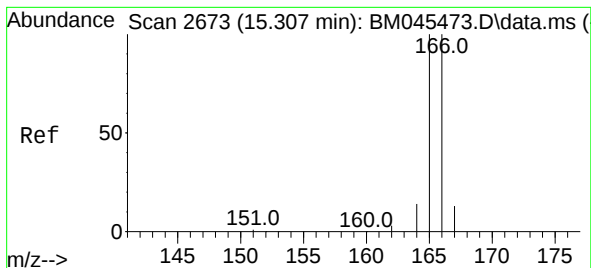
Tgt Ion:	152	Resp:	2102
Ion	Ratio	Lower	Upper
152	100		
151	23.7	18.6	28.0
153	17.7	14.1	21.1



#11
Acenaphthene
Concen: 0.297 ng/ul
RT: 14.284 min Scan# 2452
Delta R.T. -0.005 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

Tgt Ion:	153	Resp:	1576
Ion	Ratio	Lower	Upper
153	100		
152	54.1	43.4	65.2
154	84.0	69.0	103.6





#12

Fluorene

Concen: 0.294 ng/ul

RT: 15.306 min Scan# 2

Delta R.T. -0.001 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Instrument :

BNA_M

ClientSampleId :

SLCS063

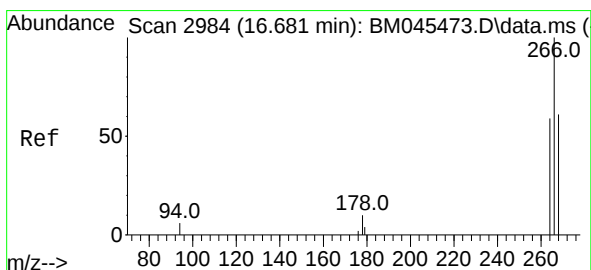
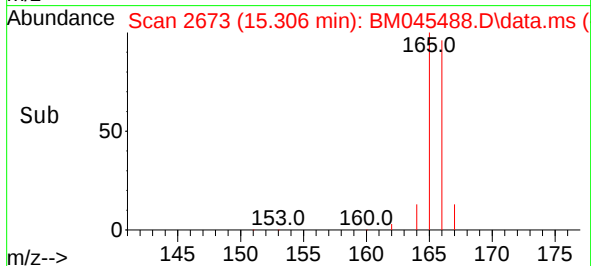
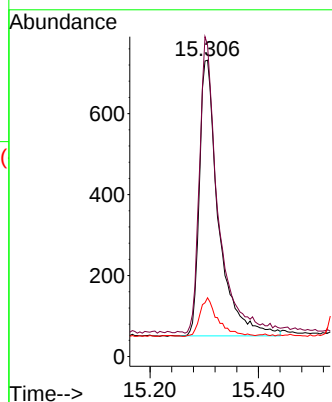
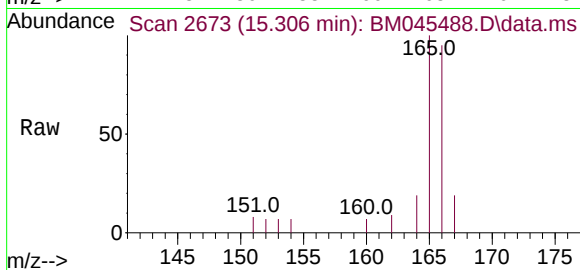
Tgt Ion:166 Resp: 1673

Ion Ratio Lower Upper

166 100

165 105.1 82.2 123.2

167 19.8 14.8 22.2



#14

Pentachlorophenol

Concen: 0.529 ng/ul

RT: 16.667 min Scan# 2981

Delta R.T. -0.014 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

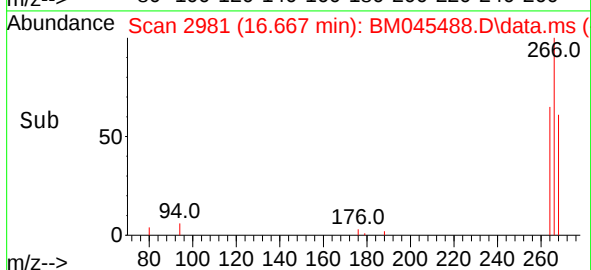
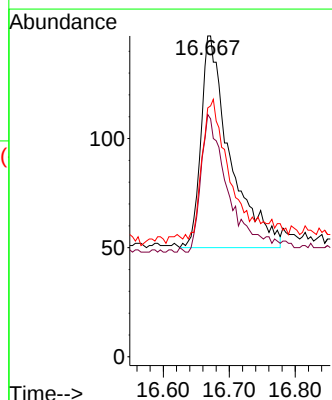
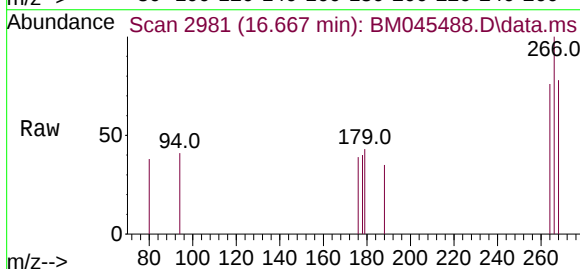
Tgt Ion:266 Resp: 296

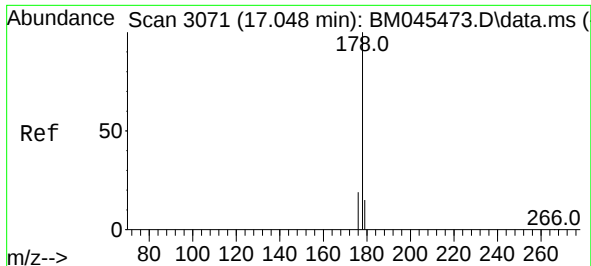
Ion Ratio Lower Upper

266 100

264 63.9 45.5 68.3

268 70.6 56.1 84.1





#15

Phenanthrene

Concen: 0.294 ng/ul

RT: 17.043 min Scan# 3071

Delta R.T. -0.005 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Instrument :

BNA_M

ClientSampleId :

SLCS063

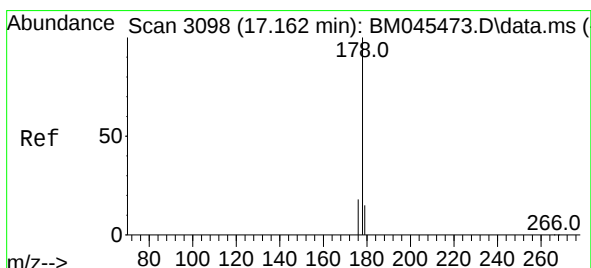
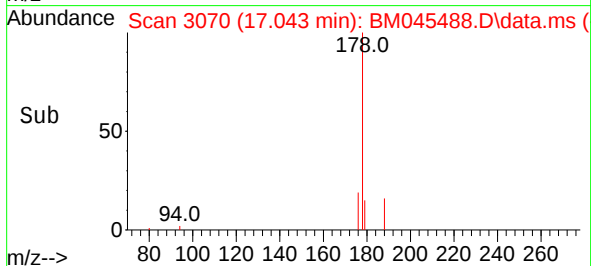
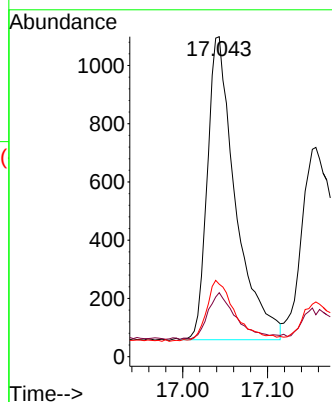
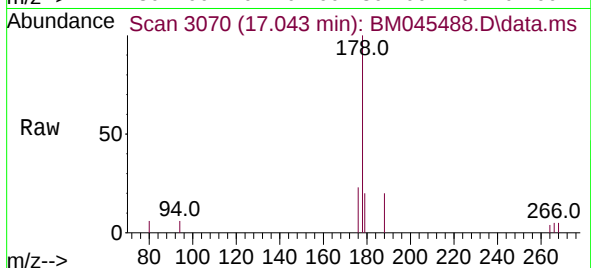
Tgt Ion:178 Resp: 2404

Ion Ratio Lower Upper

178 100

179 20.0 15.4 23.2

176 22.7 19.0 28.4



#16

Anthracene

Concen: 0.291 ng/ul

RT: 17.157 min Scan# 3097

Delta R.T. -0.005 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

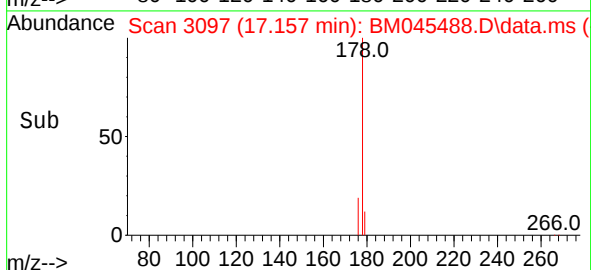
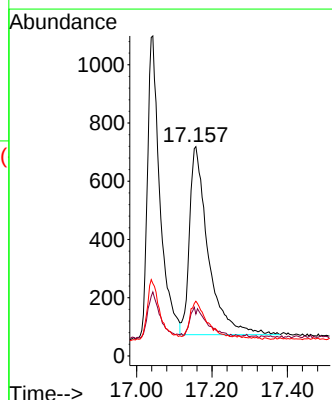
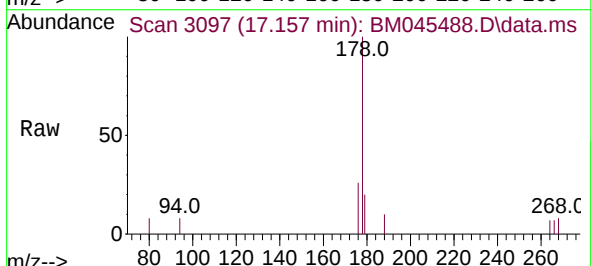
Tgt Ion:178 Resp: 2228

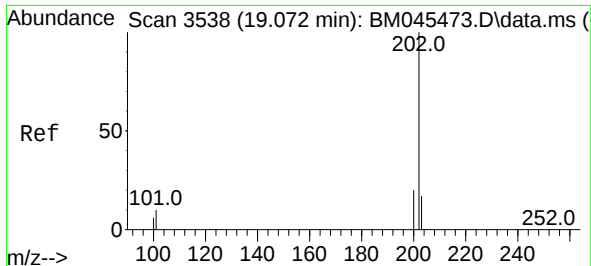
Ion Ratio Lower Upper

178 100

179 20.0 17.8 26.6

176 26.1 18.7 28.1





#19

Fluoranthene

Concen: 0.363 ng/ul

RT: 19.071 min Scan# 3538

Delta R.T. -0.001 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Instrument :

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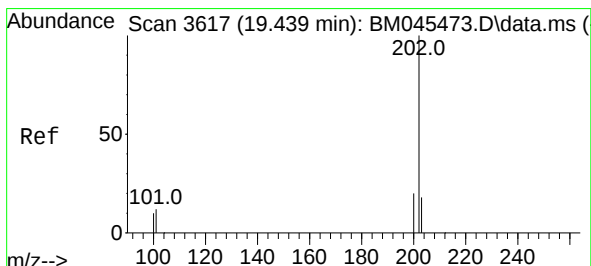
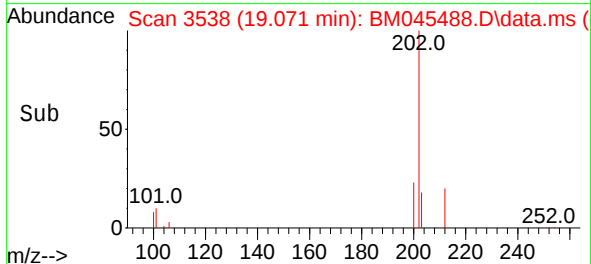
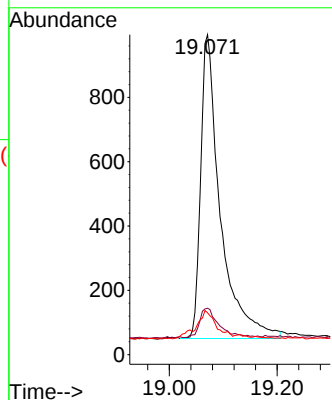
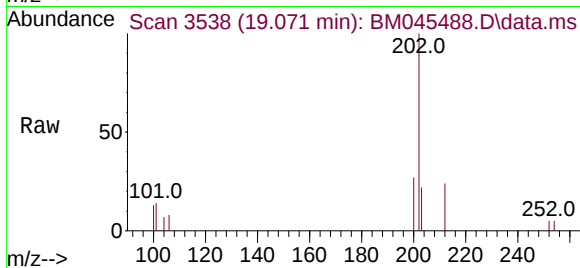
Tgt Ion:202 Resp: 2389

Ion Ratio Lower Upper

202 100

101 14.5 11.2 16.8

100 13.1 9.1 13.7



#20

Pyrene

Concen: 0.363 ng/ul

RT: 19.433 min Scan# 3616

Delta R.T. -0.006 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

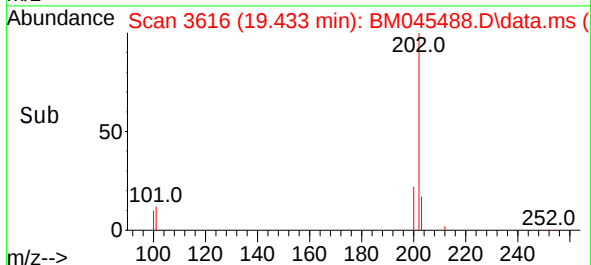
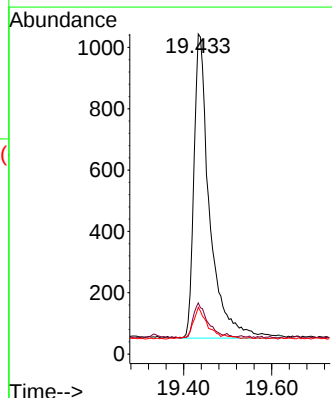
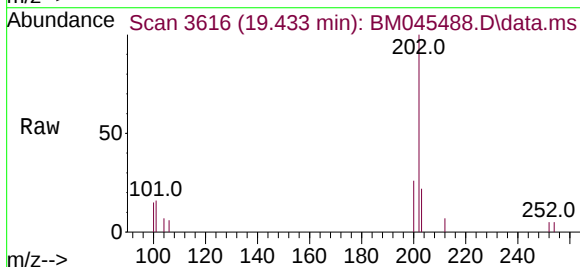
Tgt Ion:202 Resp: 2457

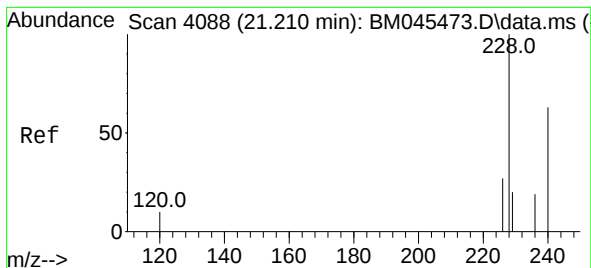
Ion Ratio Lower Upper

202 100

101 16.0 11.5 17.3

100 14.6 10.6 15.8





#21

Benzo(a)anthracene

Concen: 0.305 ng/ul

RT: 21.208 min Scan# 4088

Delta R.T. -0.002 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Instrument :

BNA_M

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SLCS063

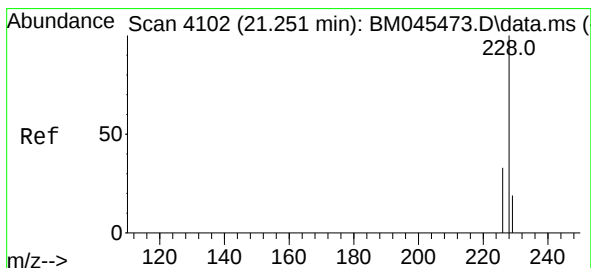
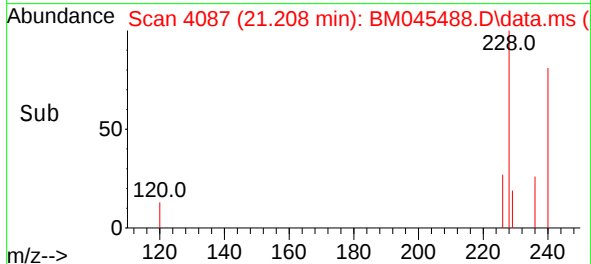
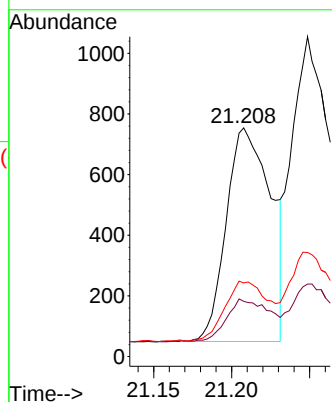
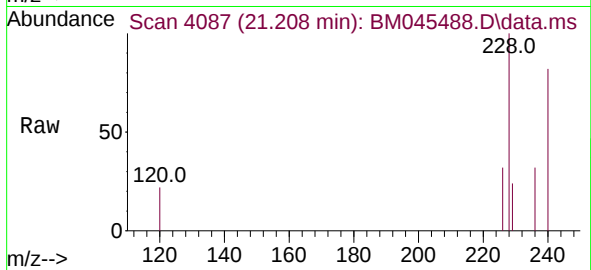
Tgt Ion:228 Resp: 1391

Ion Ratio Lower Upper

228 100

229 24.1 19.4 29.2

226 32.2 26.3 39.5



#22

Chrysene

Concen: 0.324 ng/ul

RT: 21.249 min Scan# 4101

Delta R.T. -0.002 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

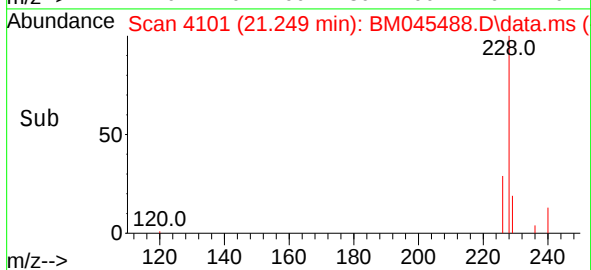
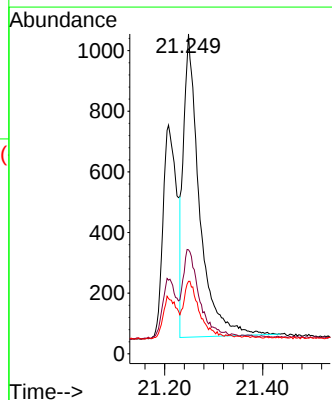
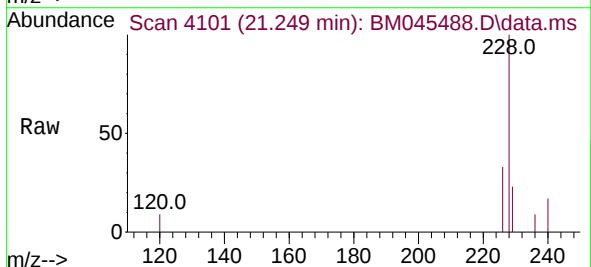
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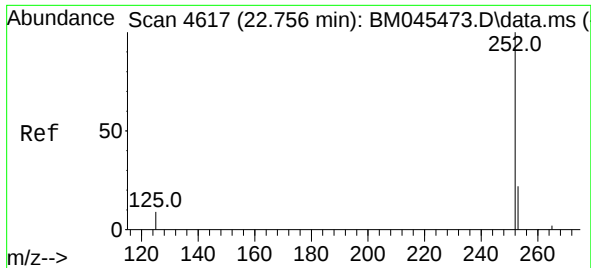
Ion Ratio Lower Upper

228 100

226 32.5 26.3 39.5

229 22.7 17.8 26.8

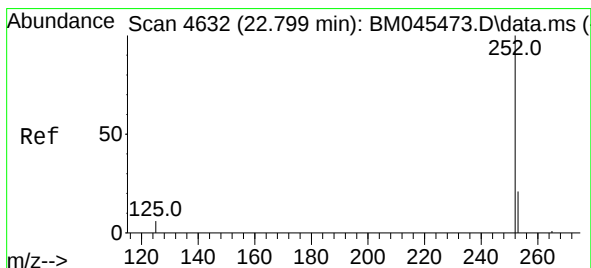
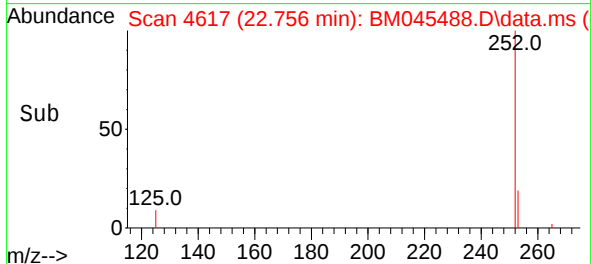
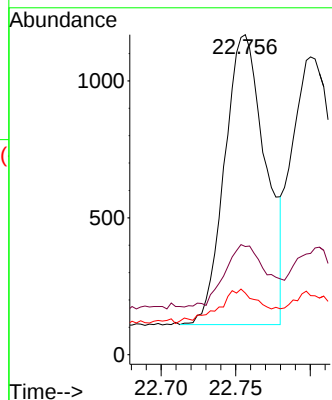
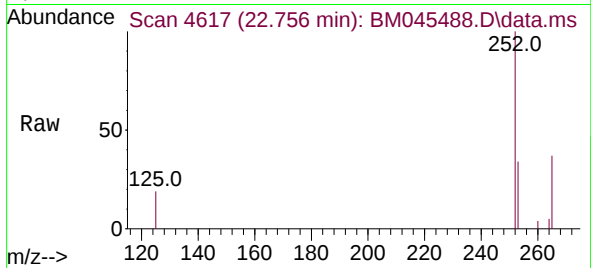




#24
Benzo(b)fluoranthene
Concen: 0.329 ng/ul
RT: 22.756 min Scan# 4617
Delta R.T. 0.001 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

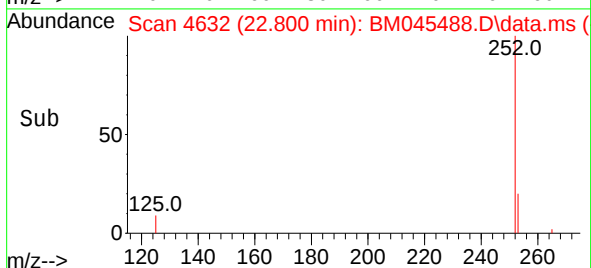
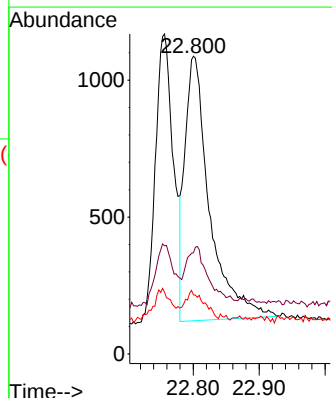
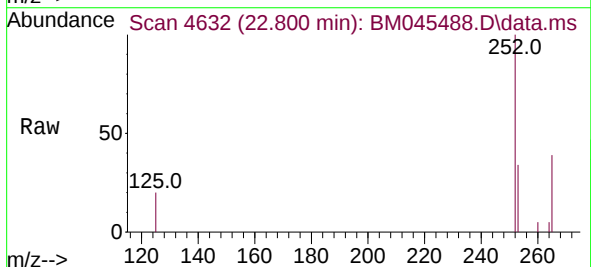
Instrument :
BNA_M
ClientSampleId :
SLCS063

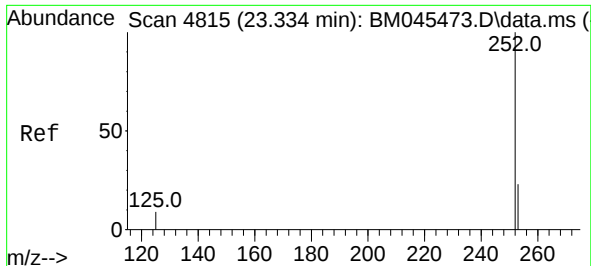
Tgt Ion:252	Resp:	2025
Ion Ratio	Lower	Upper
252	100	
253	33.8	0.0 63.4
125	19.2	0.0 36.8



#25
Benzo(k)fluoranthene
Concen: 0.323 ng/ul
RT: 22.800 min Scan# 4632
Delta R.T. 0.001 min
Lab File: BM045488.D
Acq: 22 Apr 2024 19:57

Tgt Ion:252	Resp:	2505
Ion Ratio	Lower	Upper
252	100	
253	34.0	25.4 38.0
125	19.9	14.8 22.2





#26

Benzo(a)pyrene

Concen: 0.326 ng/ul

RT: 23.329 min Scan# 4815

Delta R.T. -0.005 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Instrument :

BNA_M

ClientSampleId :

SLCS063

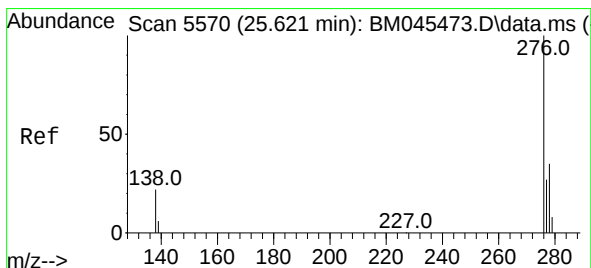
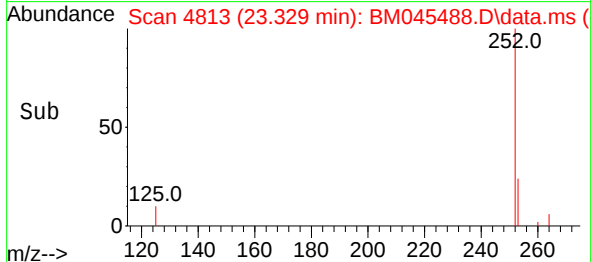
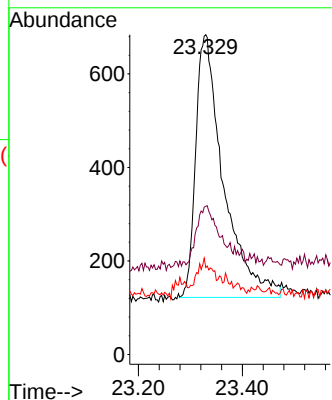
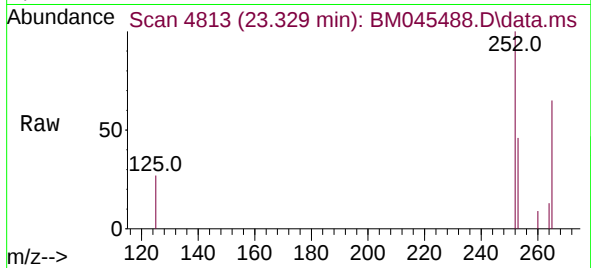
Tgt Ion:252 Resp: 2079

Ion Ratio Lower Upper

252 100

253 46.3 31.6 47.4

125 27.2 19.5 29.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.329 ng/ul

RT: 25.622 min Scan# 5570

Delta R.T. 0.001 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

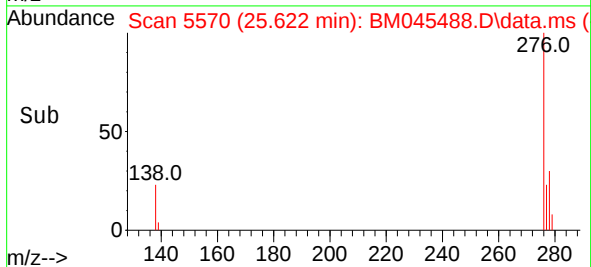
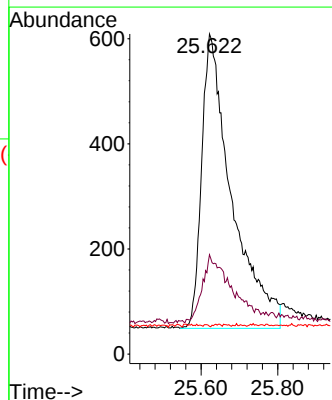
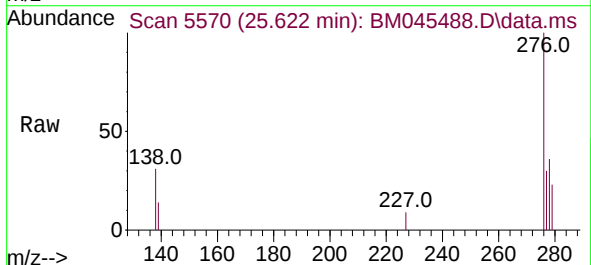
Tgt Ion:276 Resp: 3044

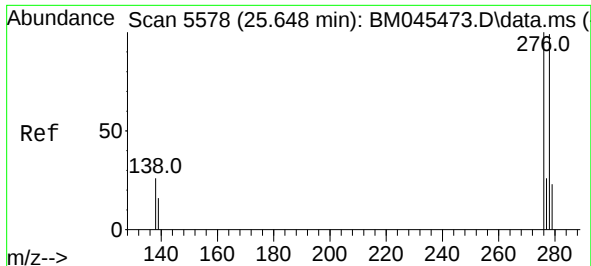
Ion Ratio Lower Upper

276 100

138 20.0 19.8 29.6

227 0.1 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.318 ng/ul

RT: 25.659 min Scan# 5581

Delta R.T. 0.011 min

Lab File: BM045488.D

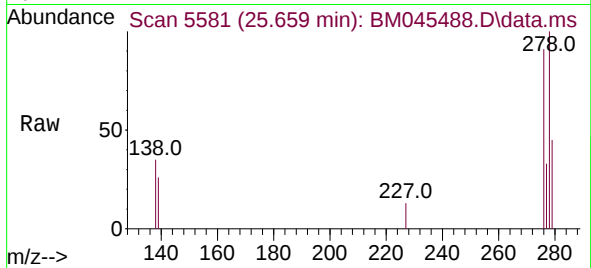
Acq: 22 Apr 2024 19:57

Instrument :

BNA_M

ClientSampleId :

SLCS063



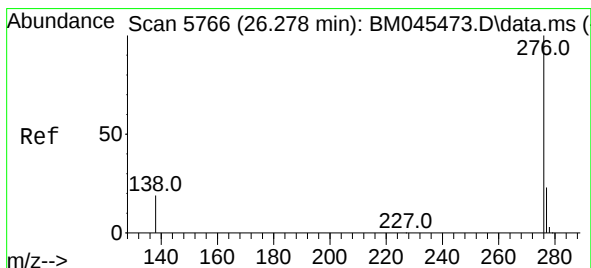
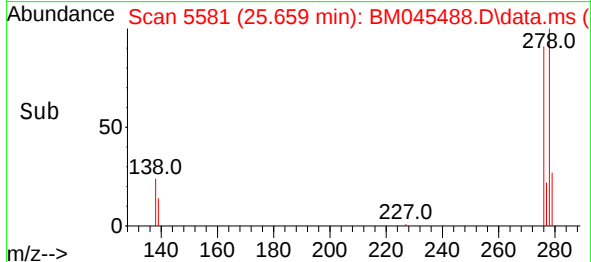
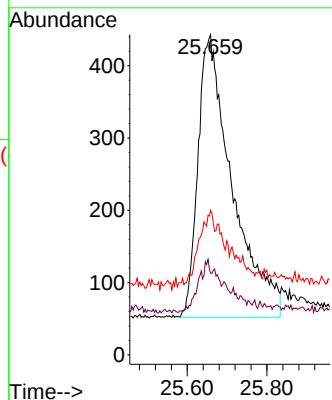
Tgt Ion:278 Resp: 2333

Ion Ratio Lower Upper

278 100

139 25.5 19.0 28.6

279 45.1 29.4 44.2#



#29

Benzo(g,h,i)perylene

Concen: 0.341 ng/ul

RT: 26.286 min Scan# 5768

Delta R.T. 0.008 min

Lab File: BM045488.D

Acq: 22 Apr 2024 19:57

Tgt Ion:276 Resp: 2839

Ion Ratio Lower Upper

276 100

138 27.7 20.8 31.2

277 30.9 21.8 32.8

