

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043268.D
 Acq On : 12 Dec 2023 17:47
 Operator : MA/JU
 Sample : 05673-02MS
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHEH8MS

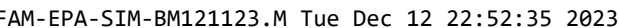
Quant Time: Dec 12 22:52:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

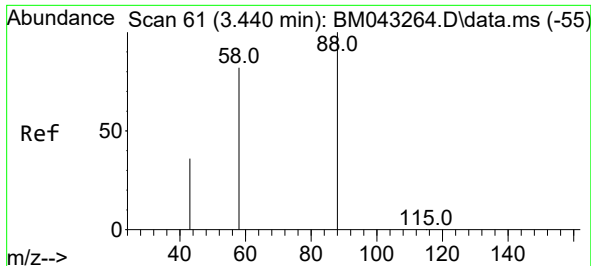
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	18074	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	59230	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	32178	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	64124	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	39303	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	37466	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	3988	0.175	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	18309	0.218	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	43715	0.311	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	12408	0.542	ng/ul#	87
5) Naphthalene	10.862	128	48114	0.270	ng/ul	100
7) 2-Methylnaphthalene	12.467	142	26320	0.229	ng/ul	100
8) 1-Methylnaphthalene	12.682	142	25174	0.218	ng/ul	100
10) Acenaphthylene	14.351	152	42969	0.242	ng/ul	100
11) Acenaphthene	14.689	153	31490	0.244	ng/ul	98
12) Fluorene	15.675	166	37614	0.258	ng/ul	98
14) Pentachlorophenol	17.008	266	11610	0.817	ng/ul	98
15) Phenanthrene	17.409	178	63967	0.299	ng/ul	100
16) Anthracene	17.498	178	57894	0.298	ng/ul	100
19) Fluoranthene	19.413	202	66890	0.302	ng/ul#	94
20) Pyrene	19.775	202	70287	0.319	ng/ul	99
21) Benzo(a)anthracene	21.518	228	56428	0.327	ng/ul	99
22) Chrysene	21.571	228	55968	0.307	ng/ul	100
24) Benzo(b)fluoranthene	23.214	252	52347	0.308	ng/ul	98
25) Benzo(k)fluoranthene	23.260	252	53702	0.304	ng/ul	97
26) Benzo(a)pyrene	23.842	252	43995	0.314	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.468	276	49882	0.312	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.495	278	39995	0.316	ng/ul	98
29) Benzo(g,h,i)perylene	27.236	276	41151	0.302	ng/ul	100

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

Quant Time: Dec 12 22:52:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 16:25:39 2023
Response via : Initial Calibration

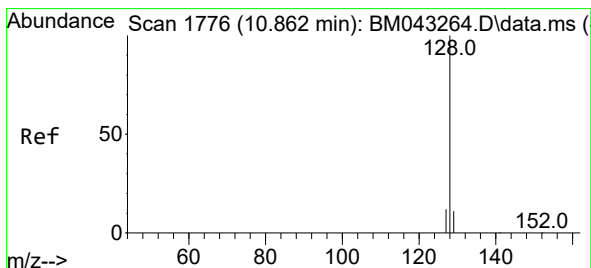
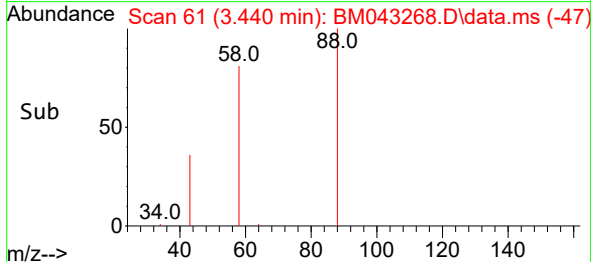
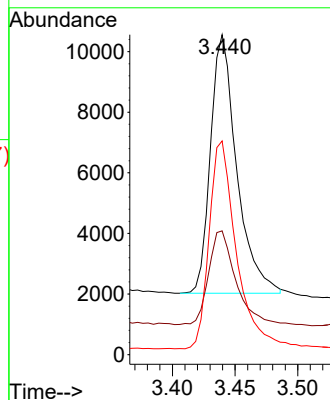
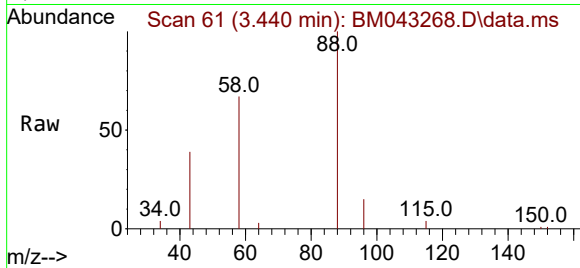




#2
1,4-Dioxane
Concen: 0.542 ng/ul
RT: 3.440 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

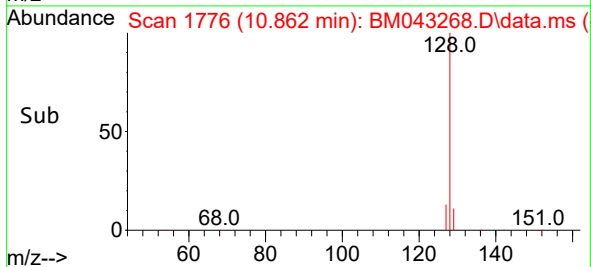
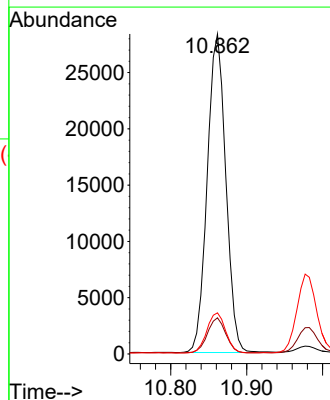
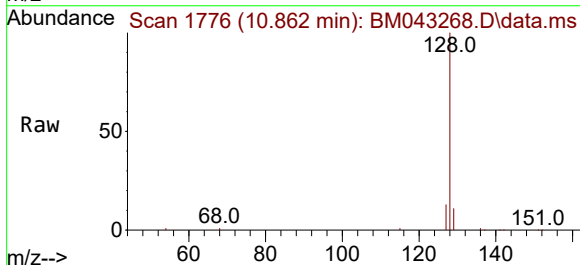
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BNA_M
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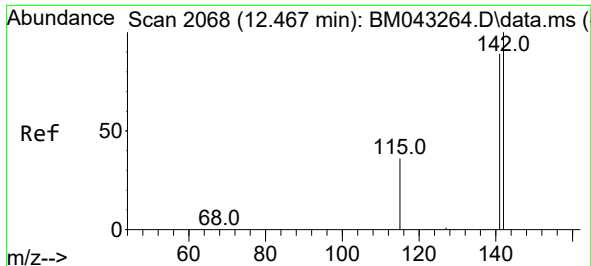
Tgt Ion: 88 Resp: 12408
Ion Ratio Lower Upper
88 100
43 38.7 27.9 41.9
58 66.8 43.4 65.2#



#5
Naphthalene
Concen: 0.270 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion: 128 Resp: 48114
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.8 10.3 15.5

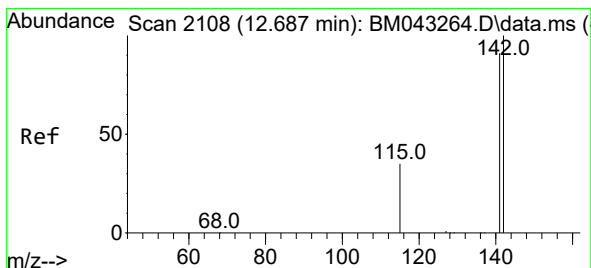
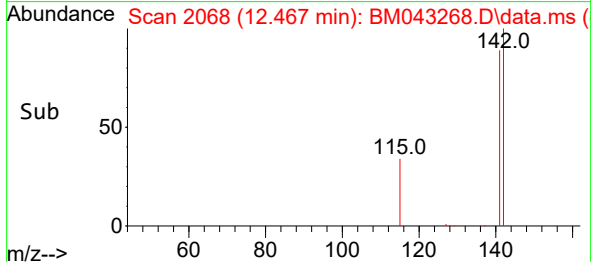
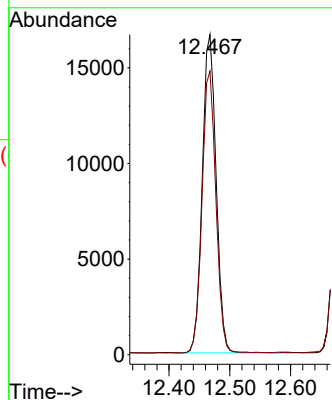
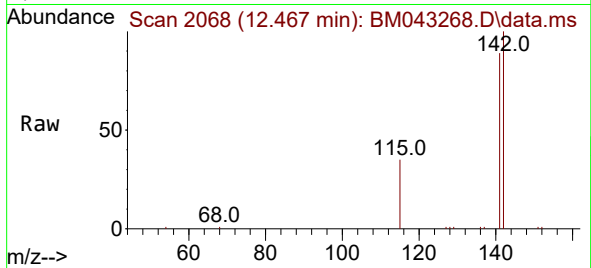




#7
2-Methylnaphthalene
Concen: 0.229 ng/ul
RT: 12.467 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

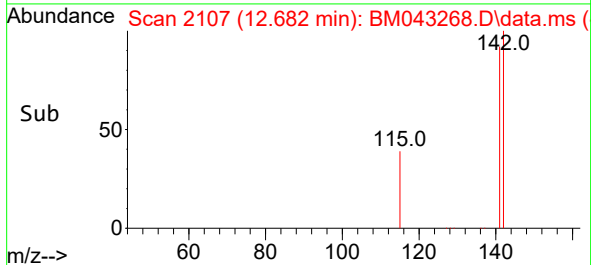
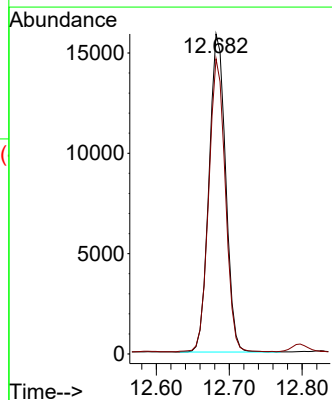
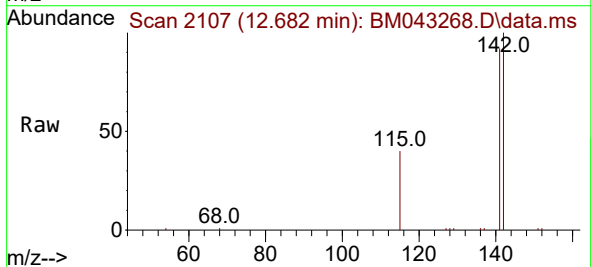
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

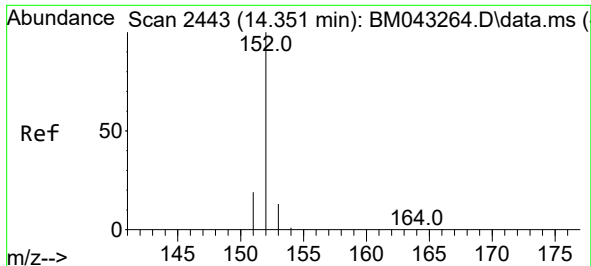
Tgt Ion:142 Resp: 26320
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.218 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:142 Resp: 25174
Ion Ratio Lower Upper
142 100
141 91.8 73.7 110.5

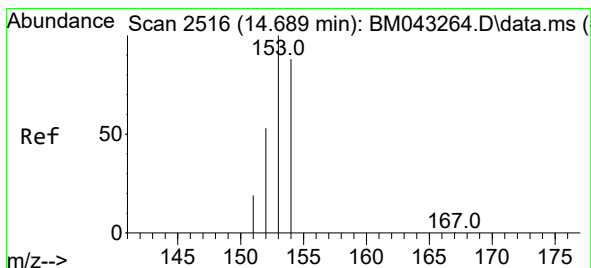
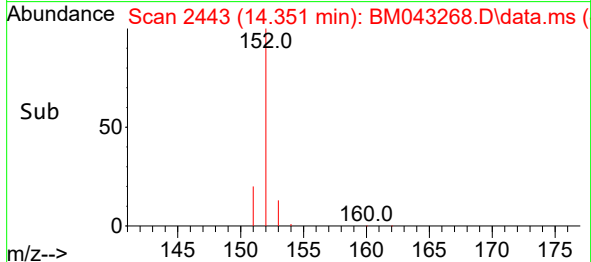
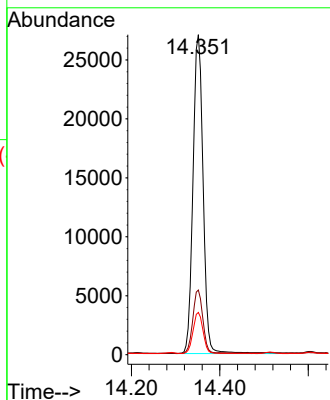
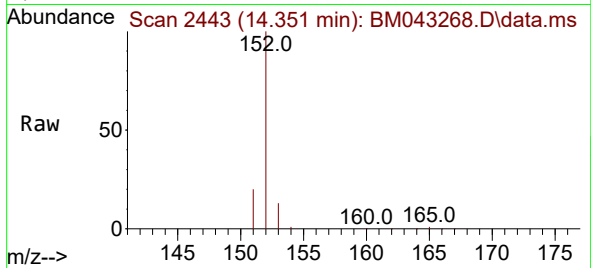




#10
Acenaphthylene
Concen: 0.242 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

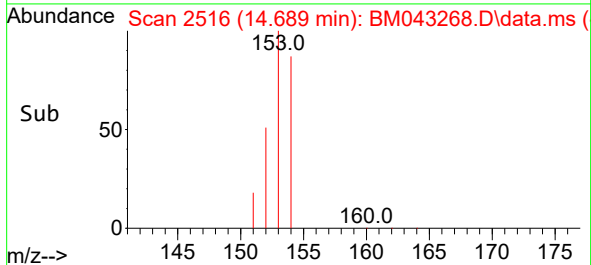
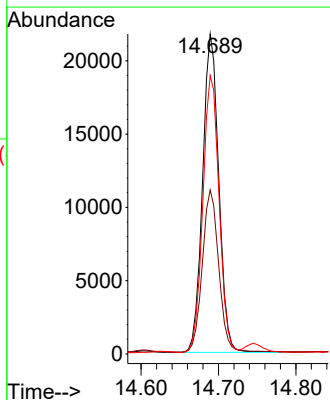
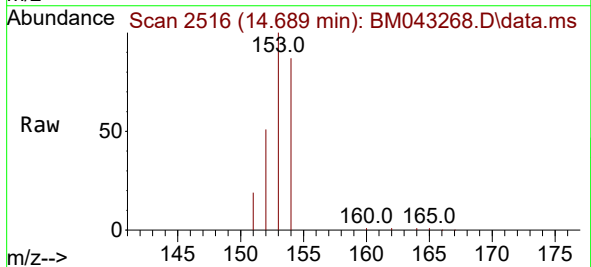
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ClientSampleId :
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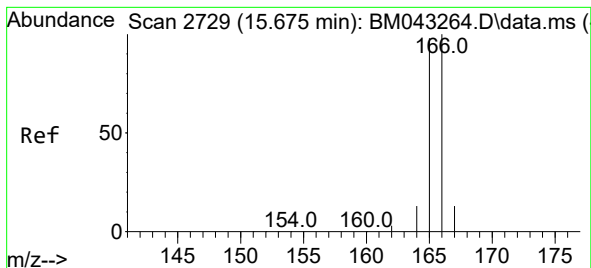
Tgt Ion:152 Resp: 42969
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.2 10.4 15.6



#11
Acenaphthene
Concen: 0.244 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:153 Resp: 31490
Ion Ratio Lower Upper
153 100
152 51.3 42.1 63.1
154 87.0 71.3 106.9





#12

Fluorene

Concen: 0.258 ng/ul

RT: 15.675 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043268.D

Acq: 12 Dec 2023 17:47

Instrument :

BNA_M

ClientSampleId :

BHEH8MS

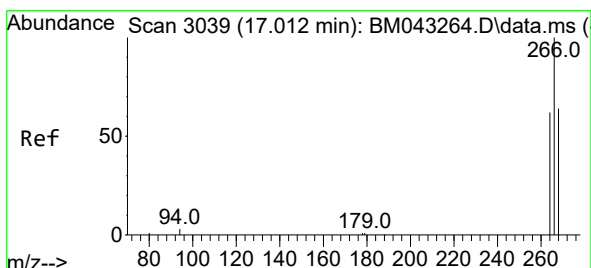
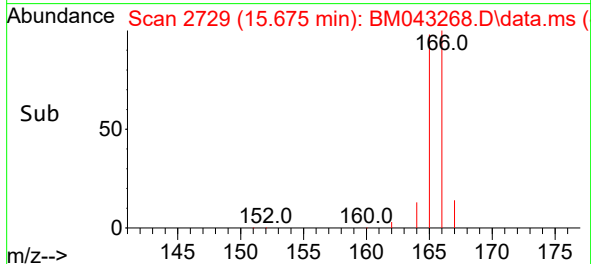
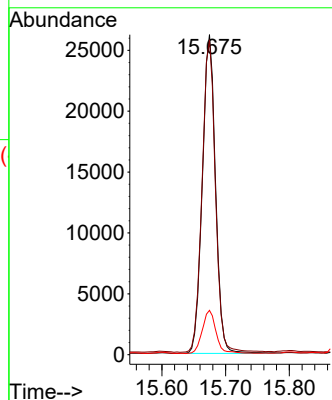
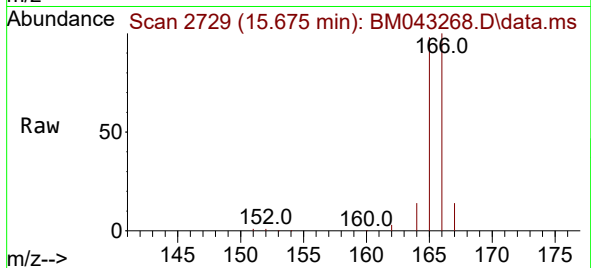
Tgt Ion:166 Resp: 37614

Ion Ratio Lower Upper

166 100

165 98.4 80.3 120.5

167 13.9 10.8 16.2



#14

Pentachlorophenol

Concen: 0.817 ng/ul

RT: 17.008 min Scan# 3038

Delta R.T. -0.004 min

Lab File: BM043268.D

Acq: 12 Dec 2023 17:47

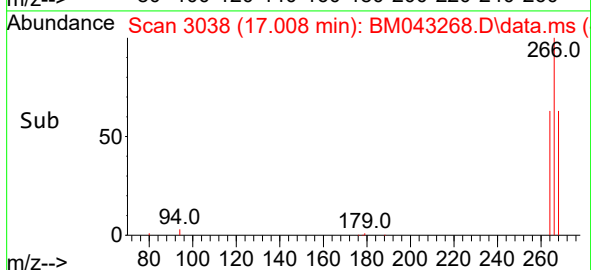
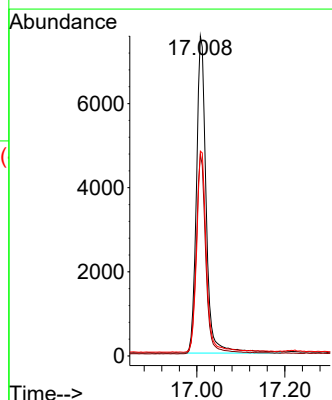
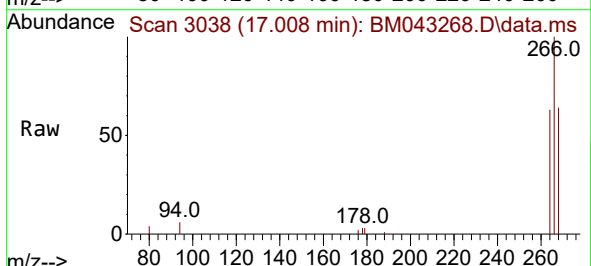
Tgt Ion:266 Resp: 11610

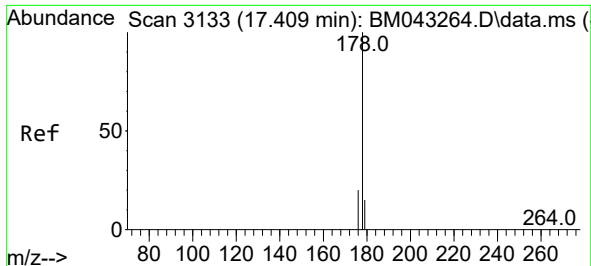
Ion Ratio Lower Upper

266 100

264 62.5 51.7 77.5

268 64.1 51.9 77.9

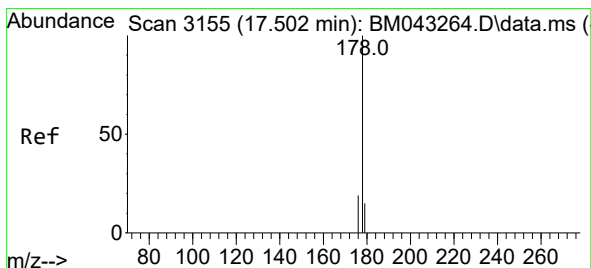
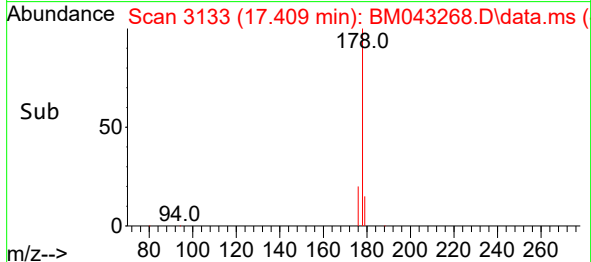
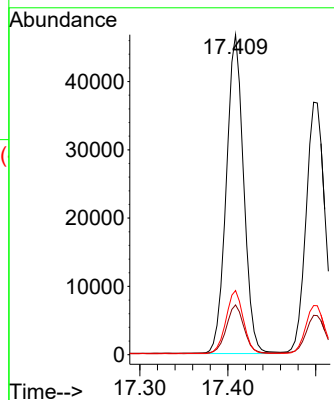
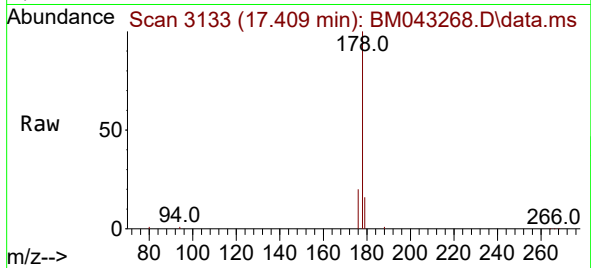




#15
Phenanthrene
Concen: 0.299 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

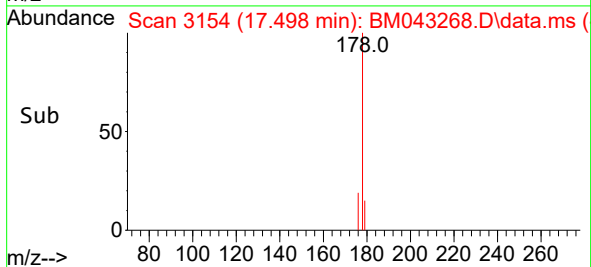
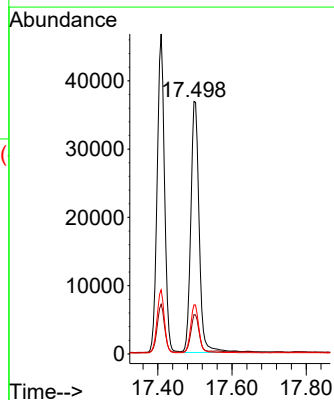
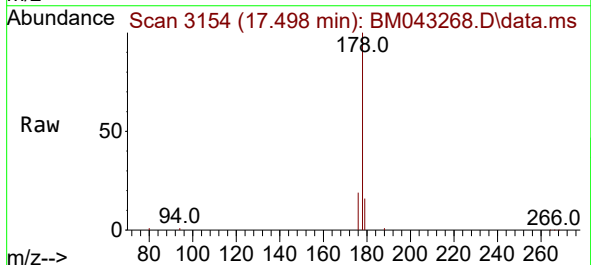
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

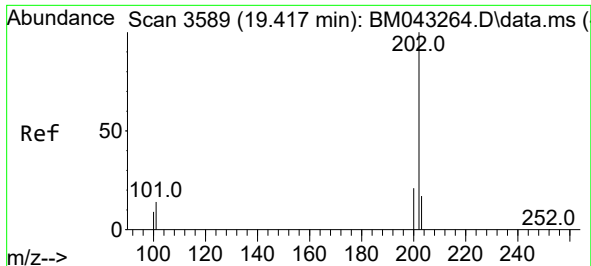
Tgt Ion:178 Resp: 63967
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 20.0 16.2 24.2



#16
Anthracene
Concen: 0.298 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:178 Resp: 57894
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.5 15.6 23.4

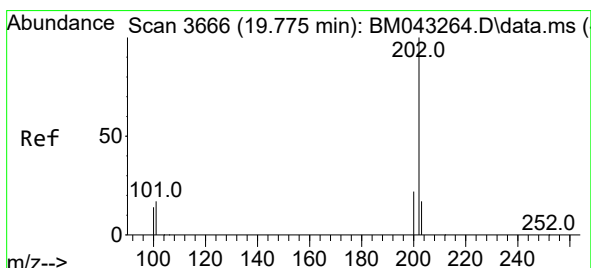
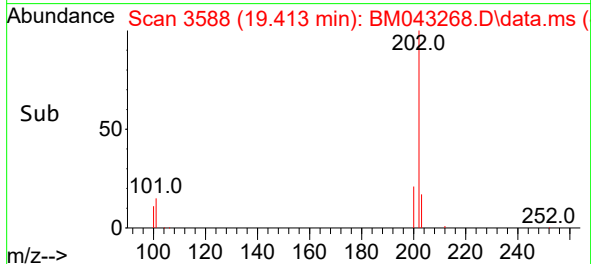
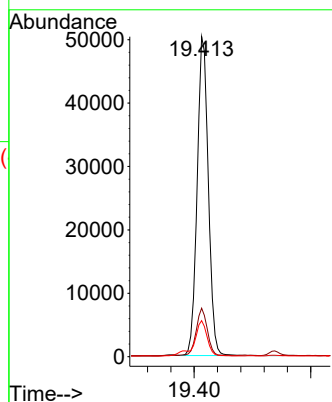
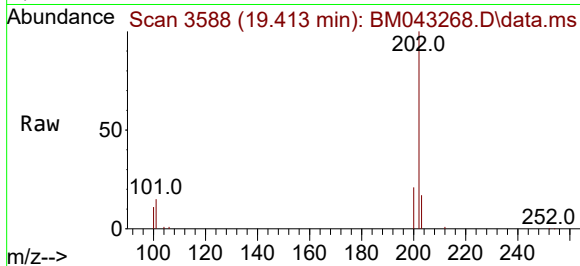




#19
Fluoranthene
Concen: 0.302 ng/ul
RT: 19.413 min Scan# 3588
Delta R.T. -0.005 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

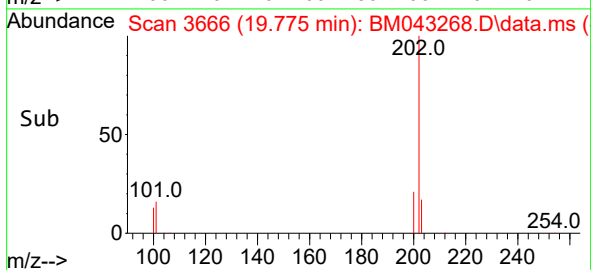
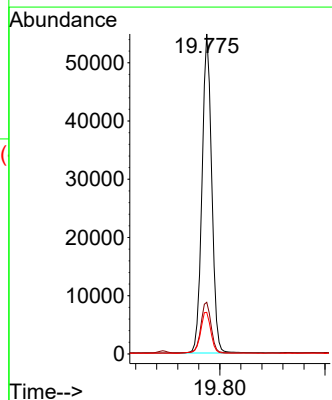
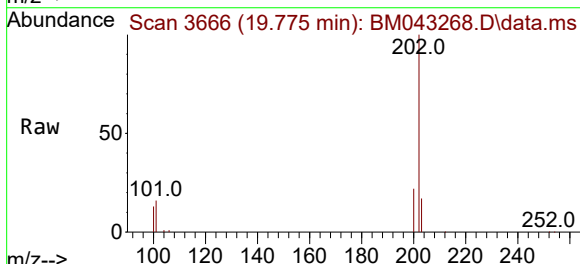
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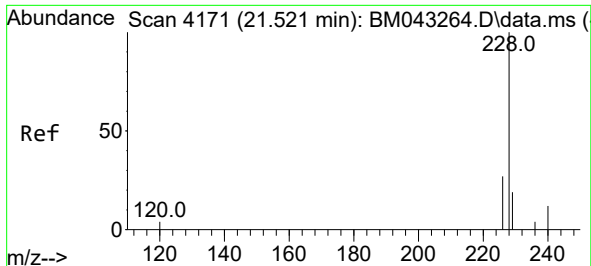
Tgt Ion:202 Resp: 66890
Ion Ratio Lower Upper
202 100
101 15.2 10.1 15.1#
100 11.3 7.4 11.2#



#20
Pyrene
Concen: 0.319 ng/ul
RT: 19.775 min Scan# 3666
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:202 Resp: 70287
Ion Ratio Lower Upper
202 100
101 16.1 12.7 19.1
100 13.0 9.8 14.8

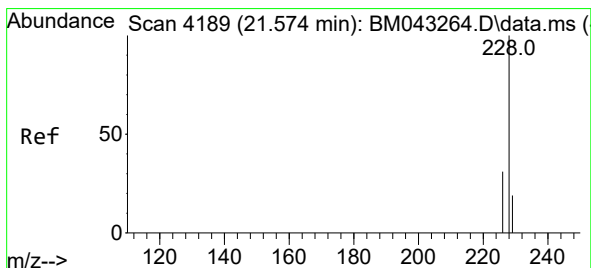
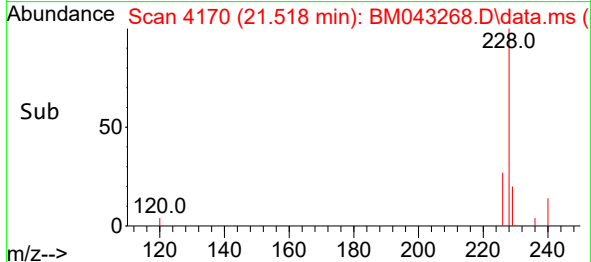
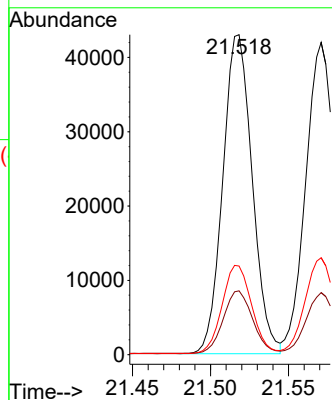
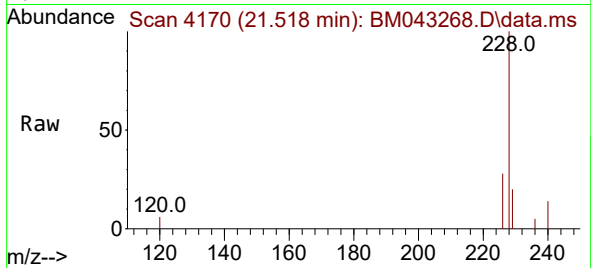




#21
Benzo(a)anthracene
Concen: 0.327 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

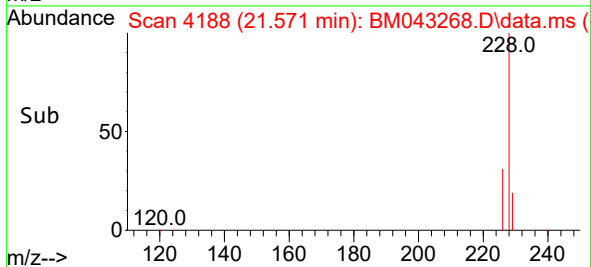
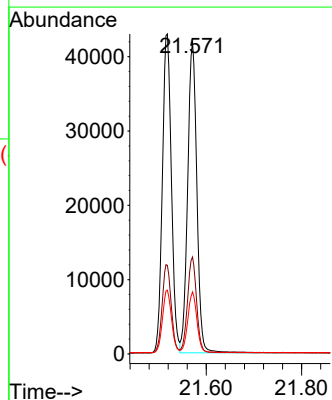
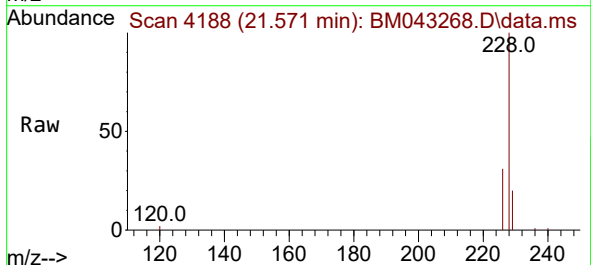
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BHEH8MS

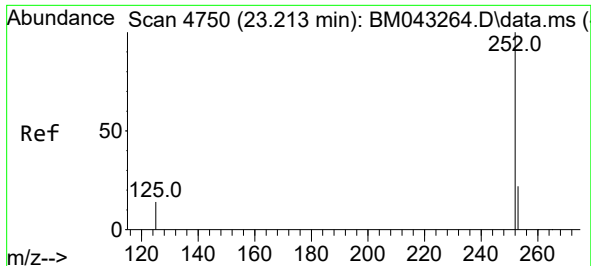
Tgt Ion:228 Resp: 56428
Ion Ratio Lower Upper
228 100
229 20.0 15.5 23.3
226 27.7 22.6 34.0



#22
Chrysene
Concen: 0.307 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:228 Resp: 55968
Ion Ratio Lower Upper
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226 31.1 24.8 37.2
229 19.9 15.7 23.5

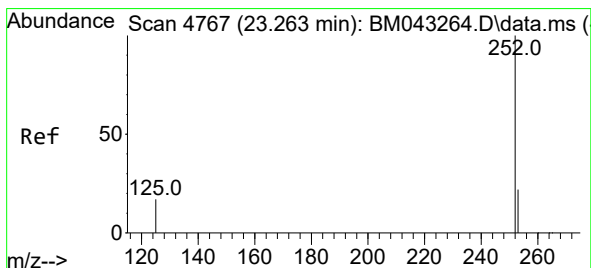
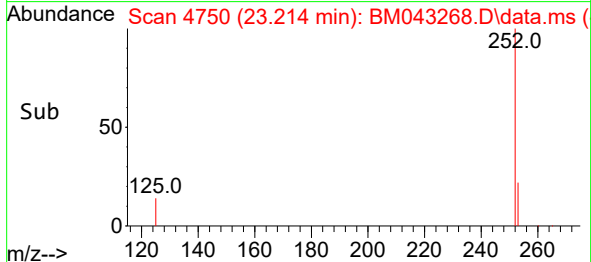
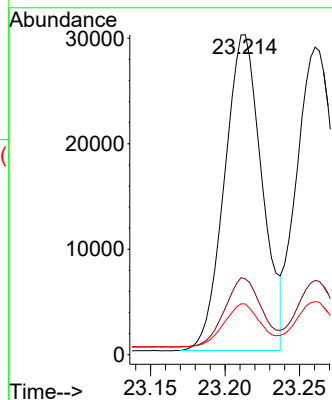
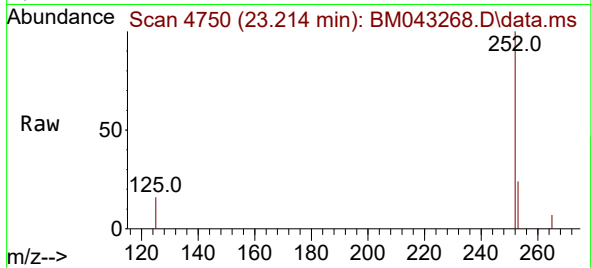




#24
Benzo(b)fluoranthene
Concen: 0.308 ng/ul
RT: 23.214 min Scan# 4750
Delta R.T. -0.000 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

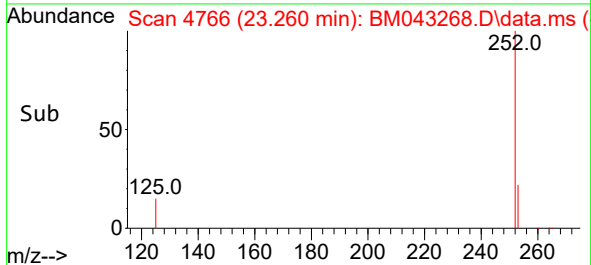
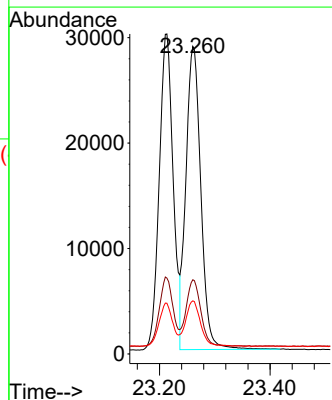
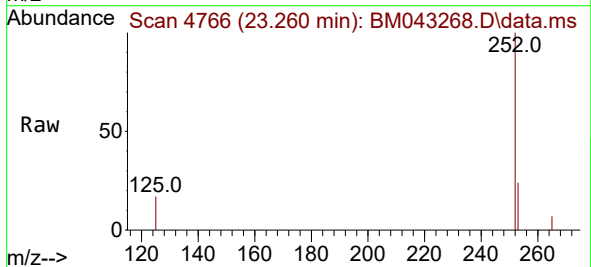
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

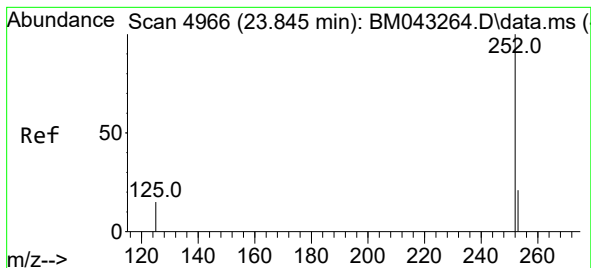
Tgt Ion:252 Resp: 52347
Ion Ratio Lower Upper
252 100
253 23.7 0.0 48.8
125 15.8 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.304 ng/ul
RT: 23.260 min Scan# 4766
Delta R.T. -0.003 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:252 Resp: 53702
Ion Ratio Lower Upper
252 100
253 24.1 18.6 28.0
125 17.2 11.8 17.8





#26

Benzo(a)pyrene

Concen: 0.314 ng/ul

RT: 23.842 min Scan# 4966

Delta R.T. -0.003 min

Lab File: BM043268.D

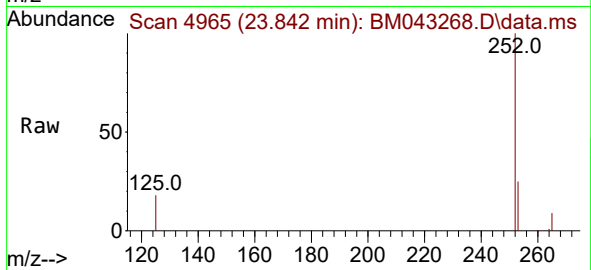
Acq: 12 Dec 2023 17:47

Instrument :

BNA_M

ClientSampleId :

BHEH8MS



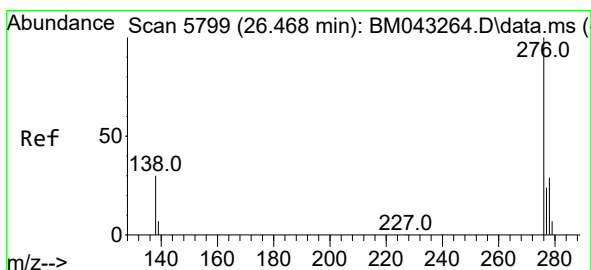
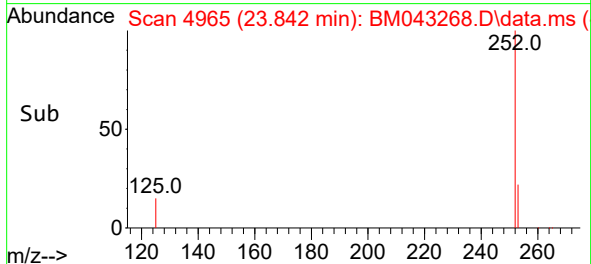
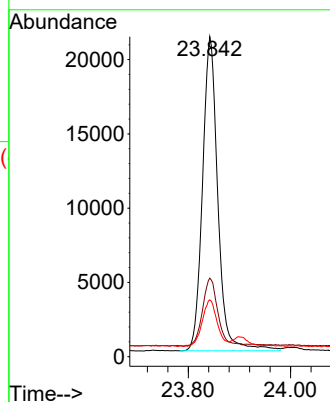
Tgt Ion:252 Resp: 43995

Ion Ratio Lower Upper

252 100

253 24.5 20.2 30.2

125 17.7 13.5 20.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.312 ng/ul

RT: 26.468 min Scan# 5799

Delta R.T. -0.003 min

Lab File: BM043268.D

Acq: 12 Dec 2023 17:47

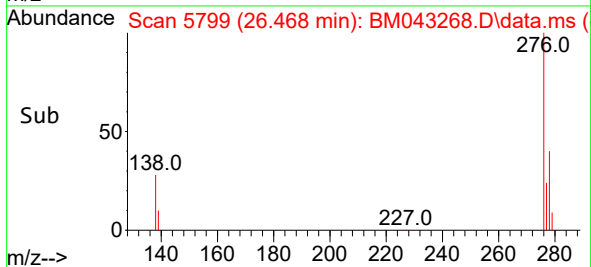
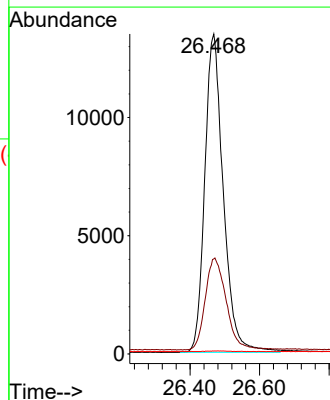
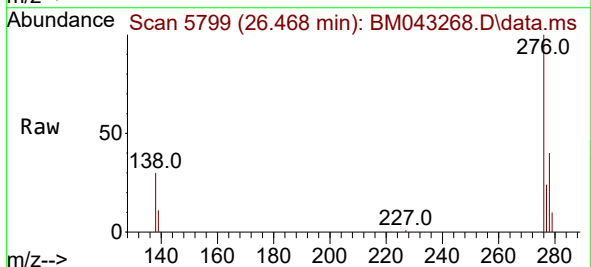
Tgt Ion:276 Resp: 49882

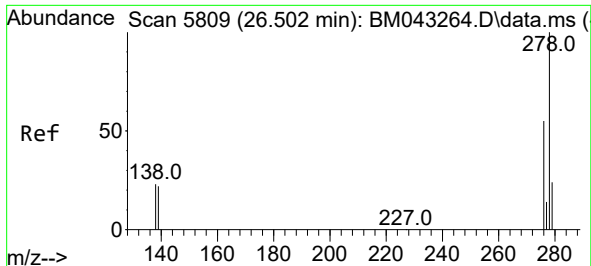
Ion Ratio Lower Upper

276 100

138 32.5 24.6 36.8

227 0.3 0.0 0.0#

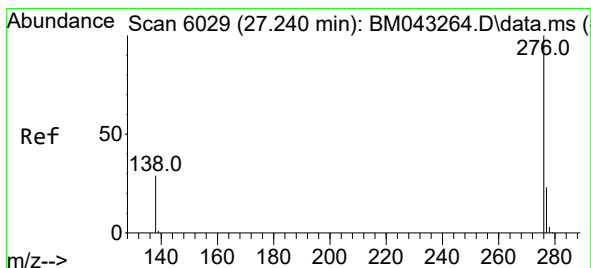
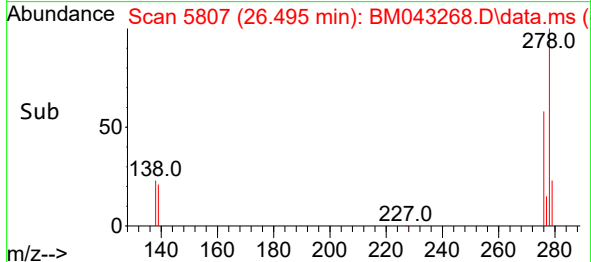
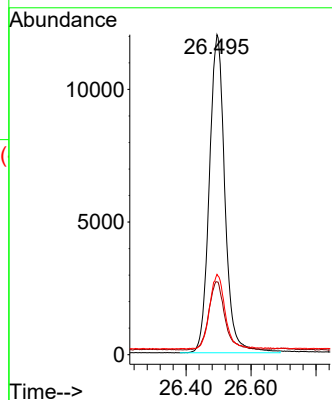
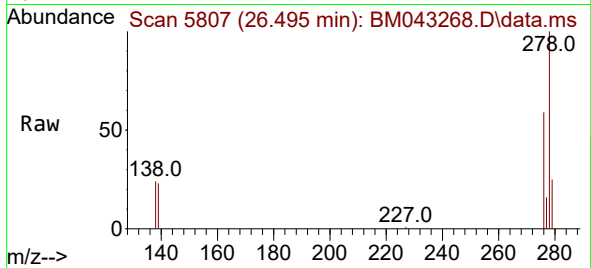




#28
Dibenzo(a,h)anthracene
Concen: 0.316 ng/ul
RT: 26.495 min Scan# 5809
Delta R.T. -0.007 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Instrument :
BNA_M
ClientSampleId :
BHEH8MS

Tgt Ion:278 Resp: 39995
Ion Ratio Lower Upper
278 100
139 22.7 17.4 26.2
279 25.1 20.9 31.3



#29
Benzo(g,h,i)perylene
Concen: 0.302 ng/ul
RT: 27.236 min Scan# 6028
Delta R.T. -0.003 min
Lab File: BM043268.D
Acq: 12 Dec 2023 17:47

Tgt Ion:276 Resp: 41151
Ion Ratio Lower Upper
276 100
138 29.3 23.1 34.7
277 24.2 19.4 29.0

