

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043300.D
 Acq On : 13 Dec 2023 14:25
 Operator : MA/JU
 Sample : 05673-03MSD
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHEH8MSD

Quant Time: Dec 13 15:08:36 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

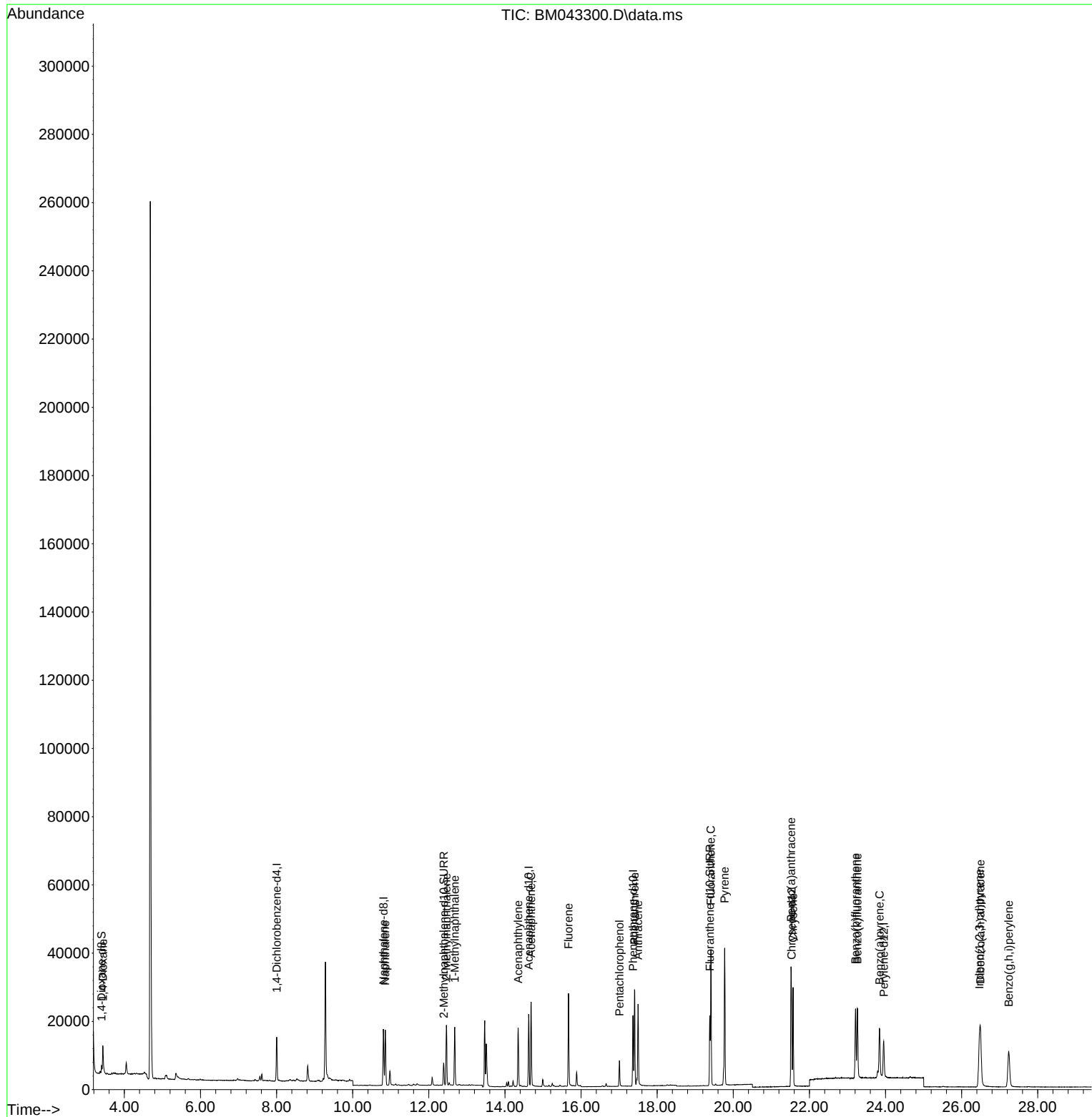
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	6525	0.400	ng/ul	0.00
4) Naphthalene-d8	10.807	136	21935	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.624	164	11448	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	23486	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.533	240	14649	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	15533	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.402	96	1917	0.233	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.390	152	8513	0.274	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	20110	0.384	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.435	88	5854	0.708	ng/ul#	87
5) Naphthalene	10.856	128	22794	0.346	ng/ul	99
7) 2-Methylnaphthalene	12.462	142	12289	0.289	ng/ul	99
8) 1-Methylnaphthalene	12.682	142	11674	0.273	ng/ul	99
10) Acenaphthylene	14.347	152	20176	0.320	ng/ul	99
11) Acenaphthene	14.689	153	14574	0.318	ng/ul	99
12) Fluorene	15.670	166	17384	0.335	ng/ul	99
14) Pentachlorophenol	17.008	266	5078	0.976	ng/ul	97
15) Phenanthrene	17.405	178	30384	0.388	ng/ul	99
16) Anthracene	17.498	178	27446	0.386	ng/ul	99
19) Fluoranthene	19.413	202	31250	0.378	ng/ul#	91
20) Pyrene	19.775	202	32811	0.400	ng/ul	94
21) Benzo(a)anthracene	21.518	228	26263	0.409	ng/ul	99
22) Chrysene	21.571	228	26780	0.394	ng/ul	99
24) Benzo(b)fluoranthene	23.214	252	26653	0.378	ng/ul	95
25) Benzo(k)fluoranthene	23.260	252	28134	0.385	ng/ul#	93
26) Benzo(a)pyrene	23.845	252	23232	0.399	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.468	276	28683	0.433	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.495	278	22929	0.437	ng/ul	96
29) Benzo(g,h,i)perylene	27.239	276	24196	0.428	ng/ul	95

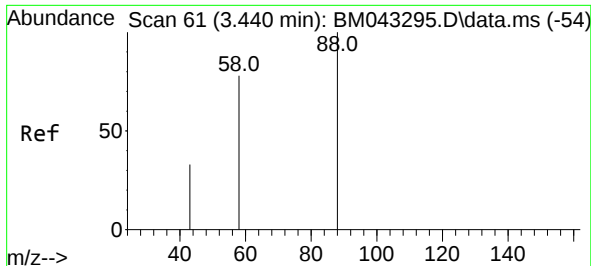
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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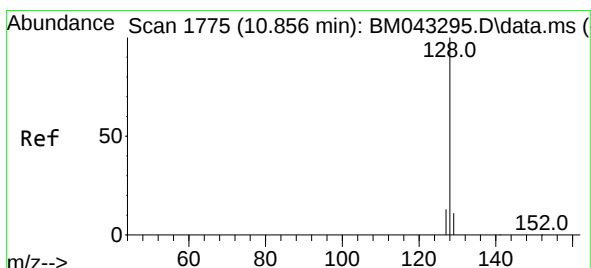
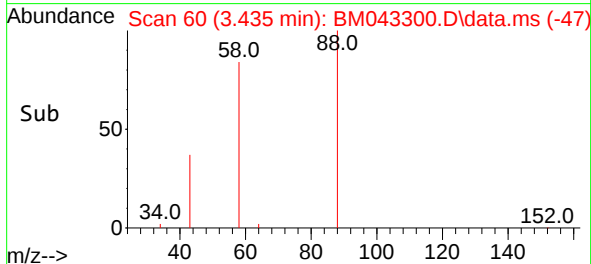
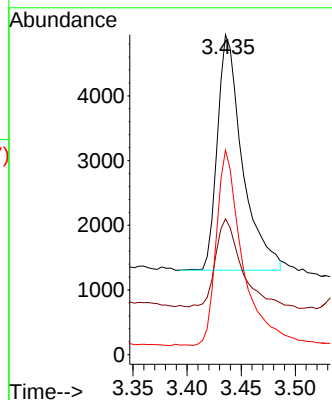
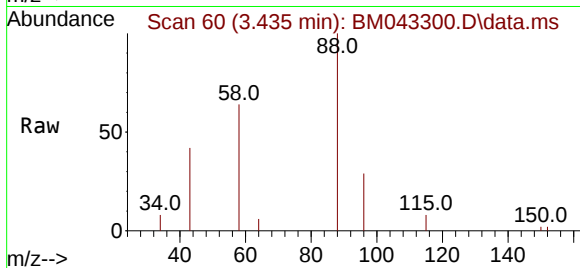




#2
1,4-Dioxane
Concen: 0.708 ng/ul
RT: 3.435 min Scan# 60
Delta R.T. -0.004 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

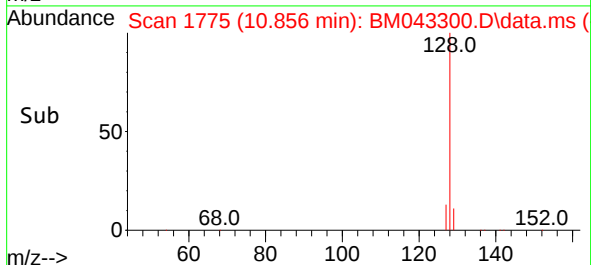
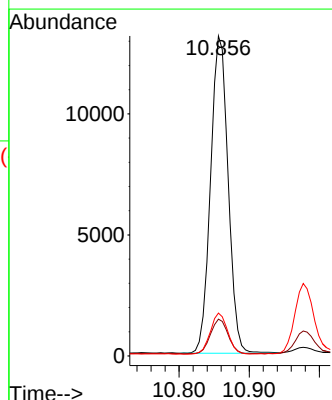
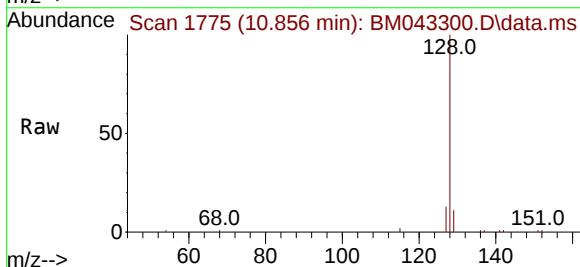
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD

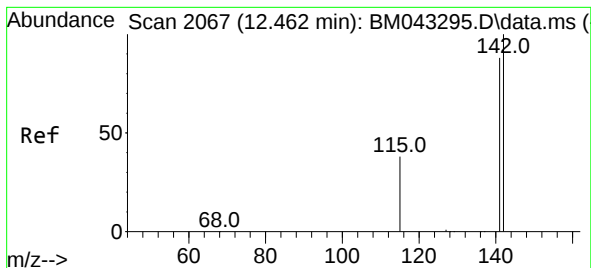
Tgt Ion: 88 Resp: 5854
Ion Ratio Lower Upper
88 100
43 42.5 27.9 41.9#
58 63.9 43.4 65.2



#5
Naphthalene
Concen: 0.346 ng/ul
RT: 10.856 min Scan# 1775
Delta R.T. -0.011 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion: 128 Resp: 22794
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.4 10.3 15.5

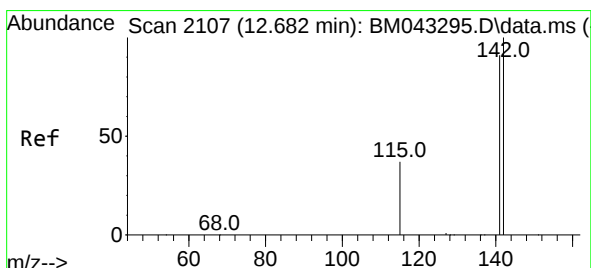
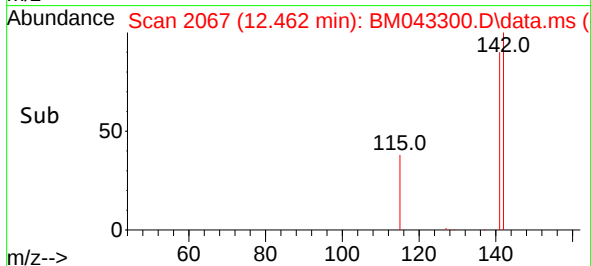
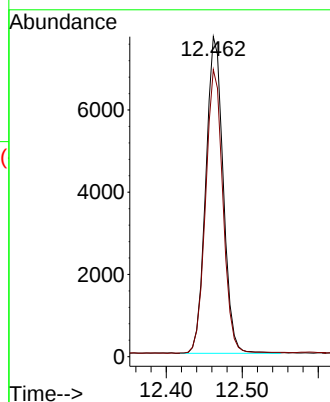
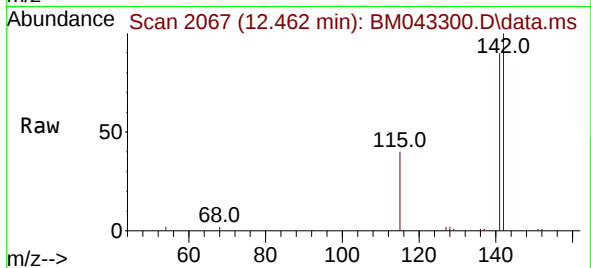




#7
2-Methylnaphthalene
Concen: 0.289 ng/ul
RT: 12.462 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

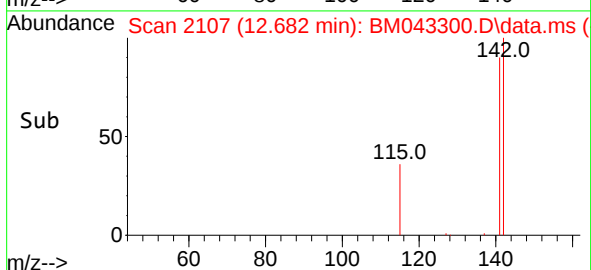
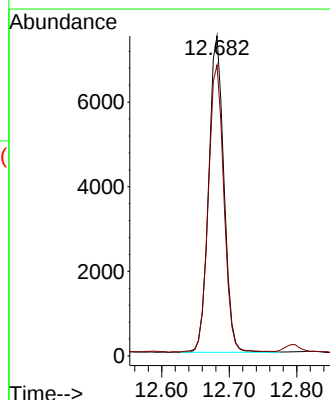
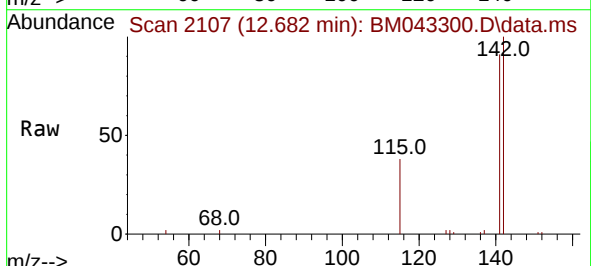
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD

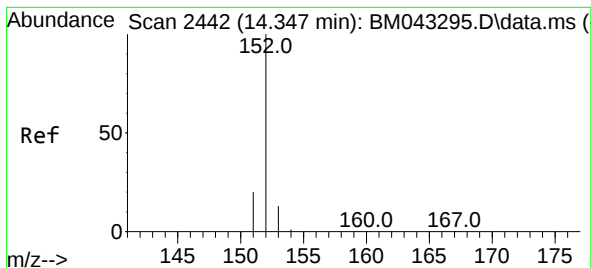
Tgt Ion:142 Resp: 12289
Ion Ratio Lower Upper
142 100
141 89.4 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.273 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.005 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion:142 Resp: 11674
Ion Ratio Lower Upper
142 100
141 93.3 73.7 110.5





#10

Acenaphthylene

Concen: 0.320 ng/ul

RT: 14.347 min Scan# 2442

Delta R.T. -0.005 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

Instrument :

BNA_M

ClientSampleId :

BHEH8MSD

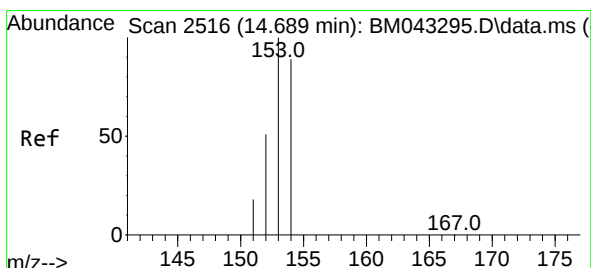
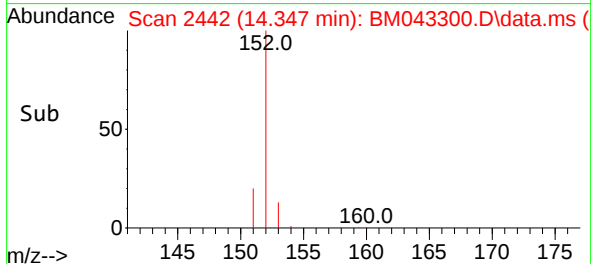
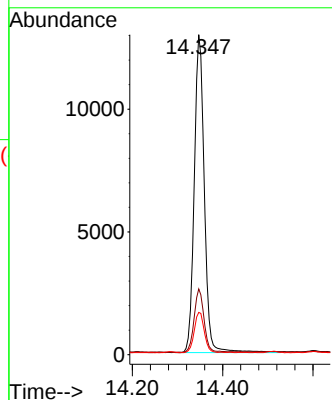
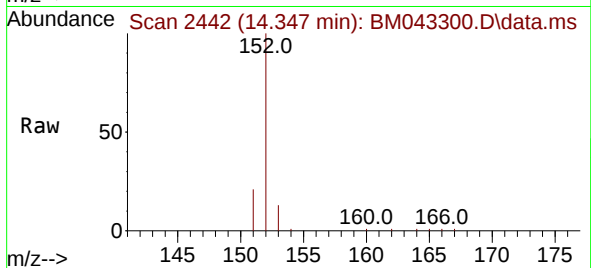
Tgt Ion:152 Resp: 20176

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

153 13.2 10.4 15.6



#11

Acenaphthene

Concen: 0.318 ng/ul

RT: 14.689 min Scan# 2516

Delta R.T. -0.005 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

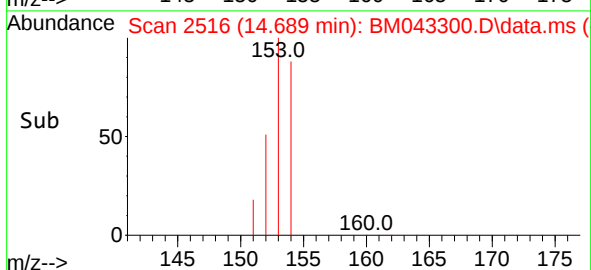
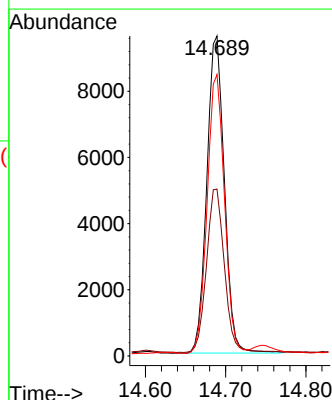
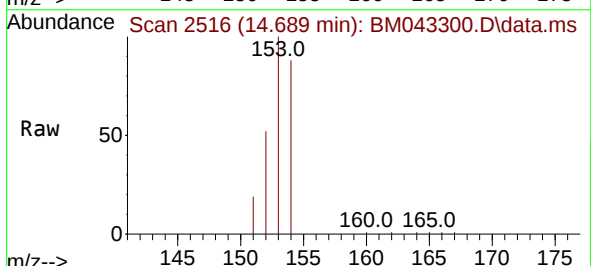
Tgt Ion:153 Resp: 14574

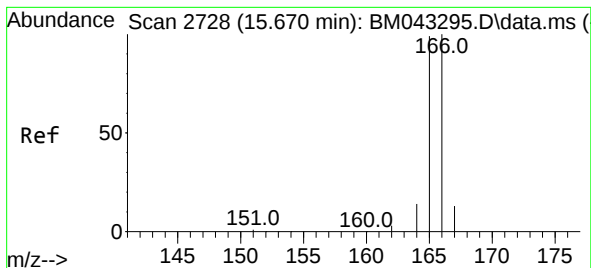
Ion Ratio Lower Upper

153 100

152 52.1 42.1 63.1

154 87.9 71.3 106.9





#12

Fluorene

Concen: 0.335 ng/ul

RT: 15.670 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

Instrument :

BNA_M

ClientSampleId :

BHEH8MSD

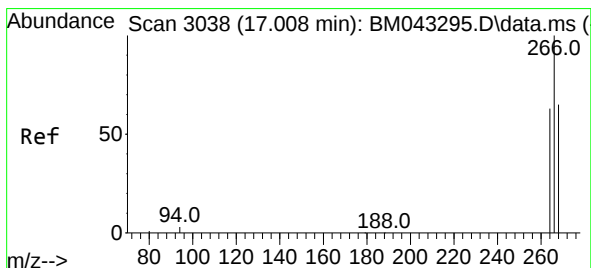
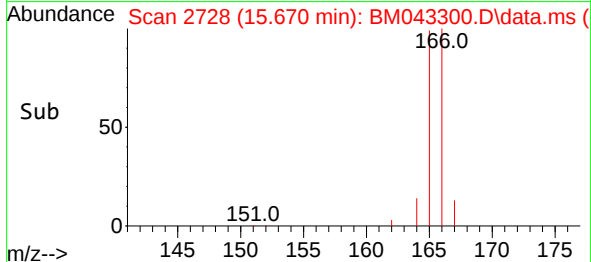
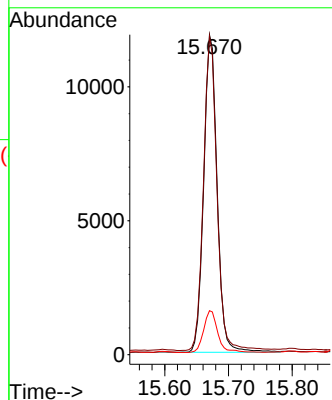
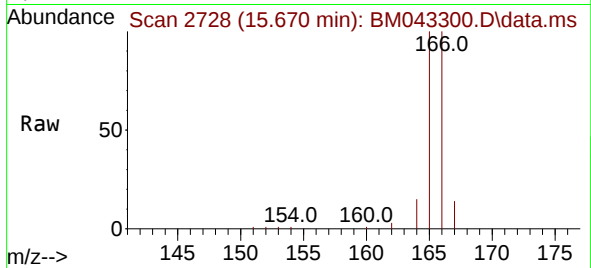
Tgt Ion:166 Resp: 17384

Ion Ratio Lower Upper

166 100

165 99.6 80.3 120.5

167 13.7 10.8 16.2



#14

Pentachlorophenol

Concen: 0.976 ng/ul

RT: 17.008 min Scan# 3038

Delta R.T. -0.004 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

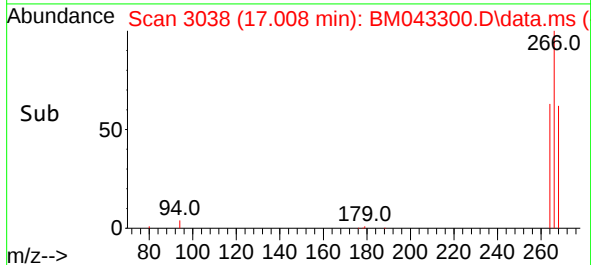
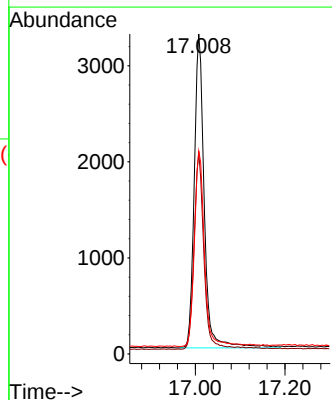
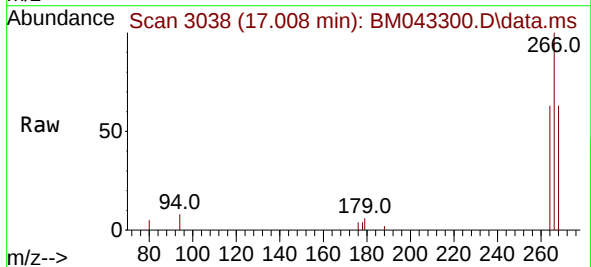
Tgt Ion:266 Resp: 5078

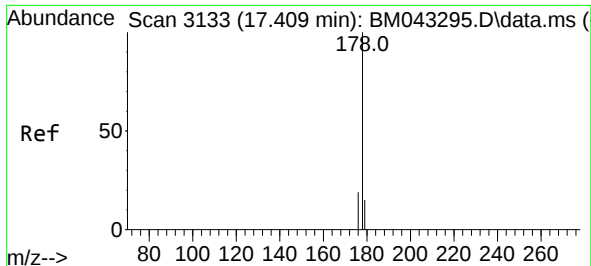
Ion Ratio Lower Upper

266 100

264 62.1 51.7 77.5

268 62.5 51.9 77.9

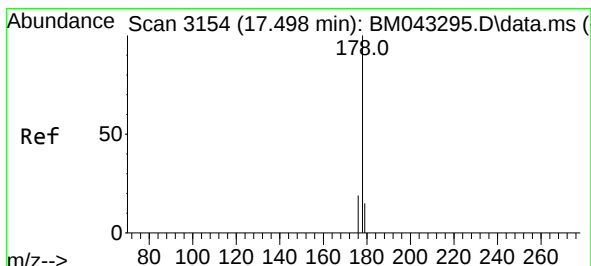
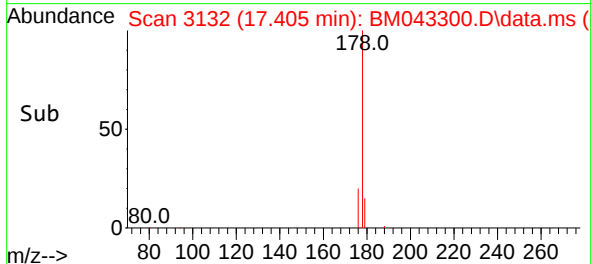
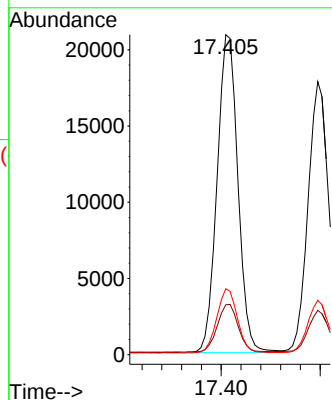
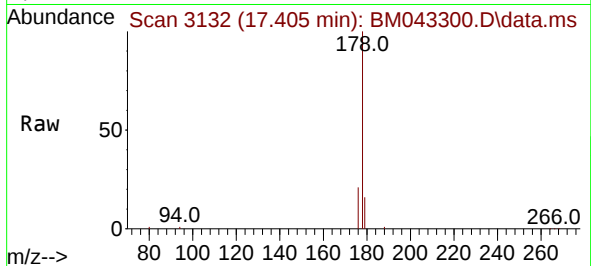




#15
Phenanthrene
Concen: 0.388 ng/ul
RT: 17.405 min Scan# 3133
Delta R.T. -0.004 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

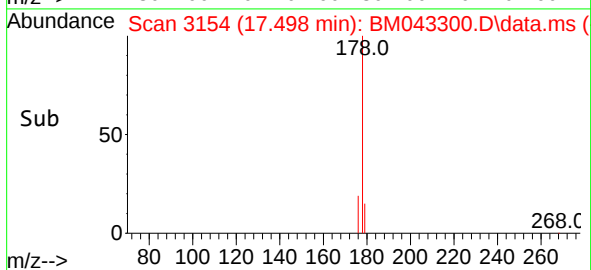
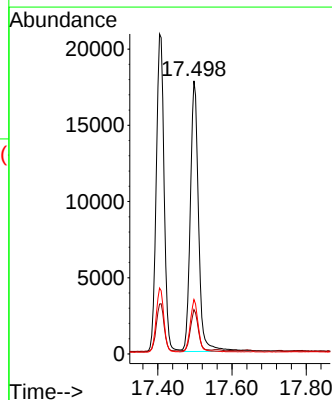
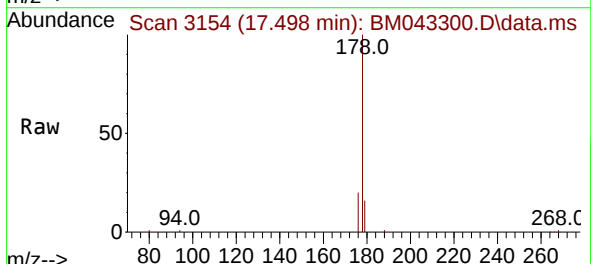
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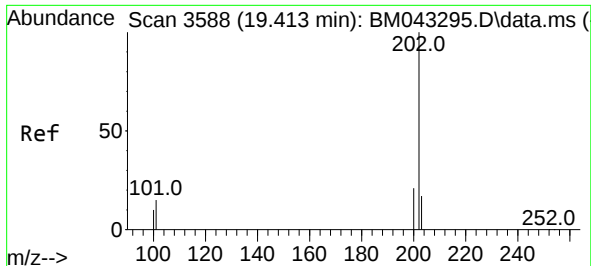
Tgt Ion:178 Resp: 30384
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 20.6 16.2 24.2



#16
Anthracene
Concen: 0.386 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion:178 Resp: 27446
Ion Ratio Lower Upper
178 100
179 16.2 12.6 18.8
176 19.9 15.6 23.4

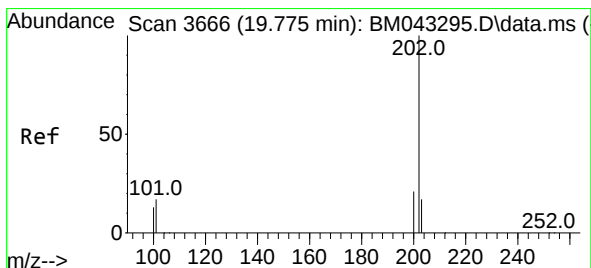
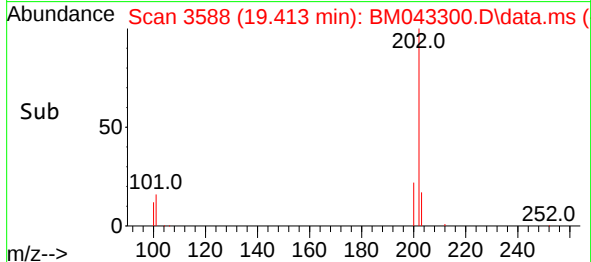
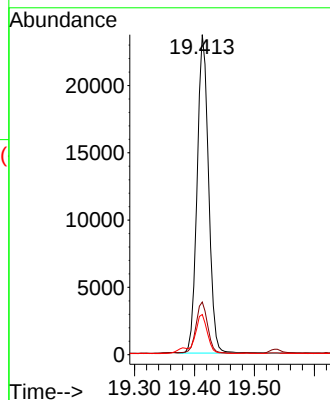
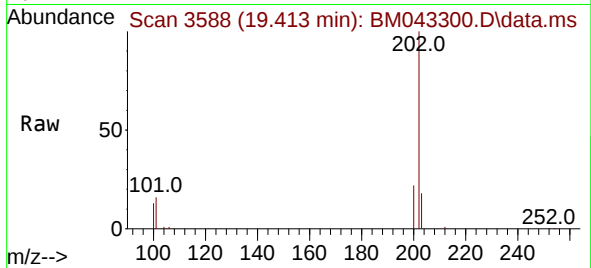




#19
Fluoranthene
Concen: 0.378 ng/ul
RT: 19.413 min Scan# 3588
Delta R.T. -0.005 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

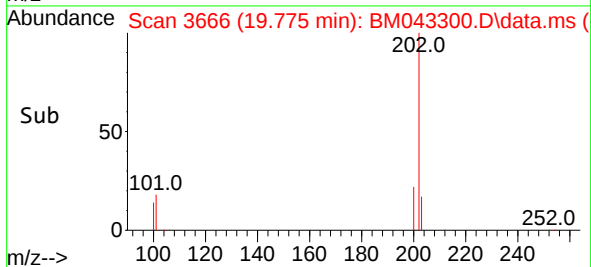
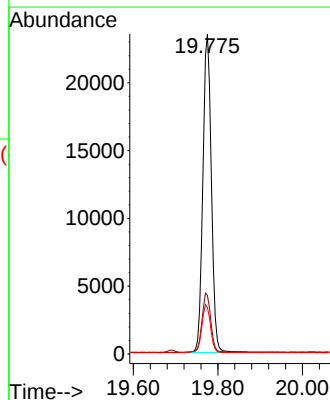
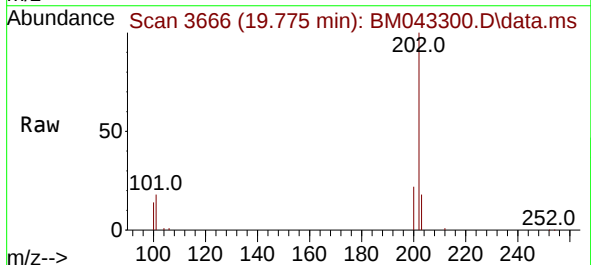
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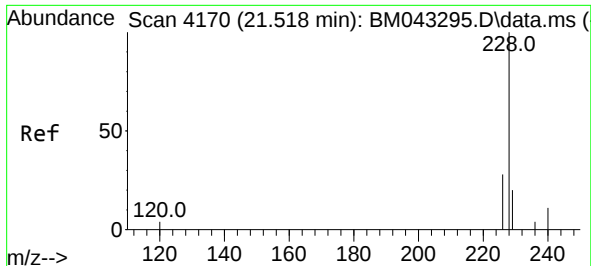
Tgt Ion:202 Resp: 31250
Ion Ratio Lower Upper
202 100
101 16.4 10.1 15.1#
100 12.6 7.4 11.2#



#20
Pyrene
Concen: 0.400 ng/ul
RT: 19.775 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion:202 Resp: 32811
Ion Ratio Lower Upper
202 100
101 18.3 12.7 19.1
100 14.4 9.8 14.8

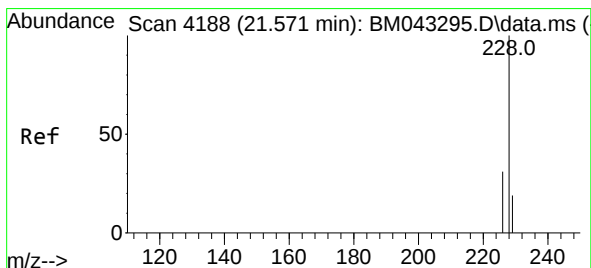
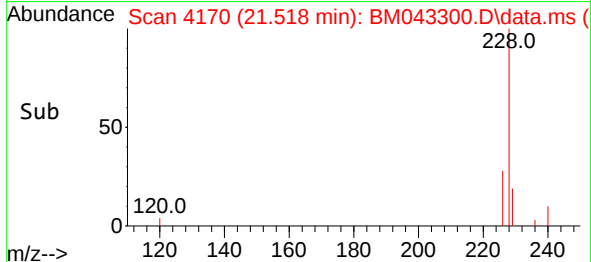
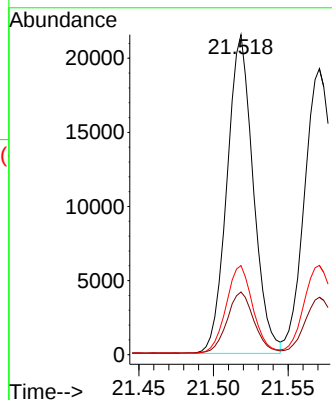
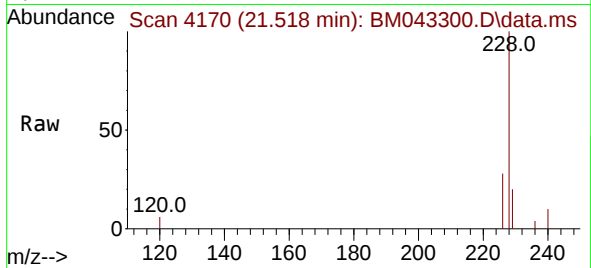




#21
Benzo(a)anthracene
Concen: 0.409 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. 0.000 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

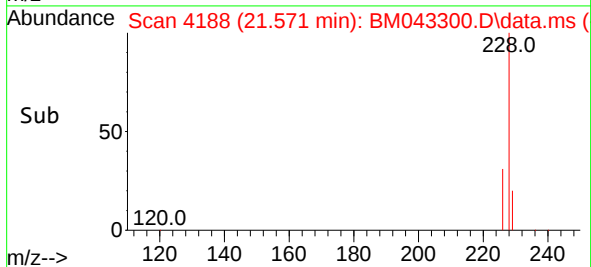
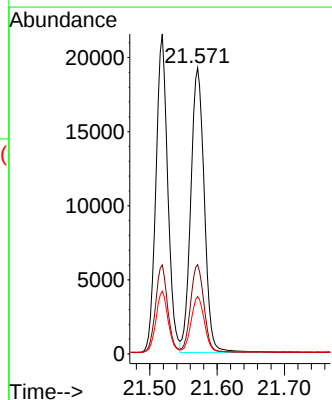
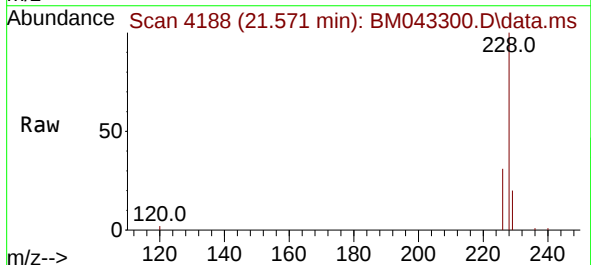
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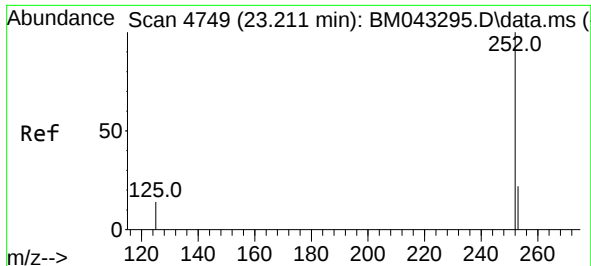
Tgt Ion:228 Resp: 26263
Ion Ratio Lower Upper
228 100
229 19.6 15.5 23.3
226 27.9 22.6 34.0



#22
Chrysene
Concen: 0.394 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. 0.000 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

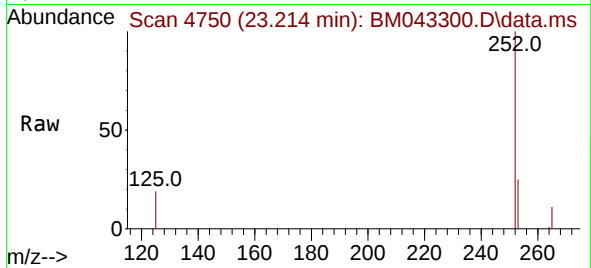
Tgt Ion:228 Resp: 26780
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 20.1 15.7 23.5



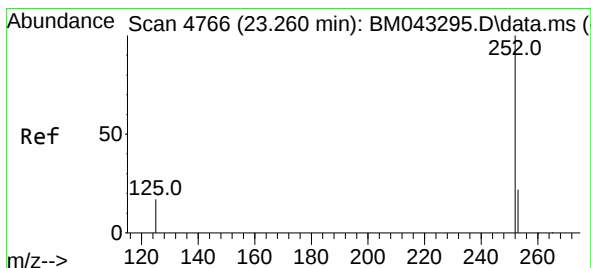
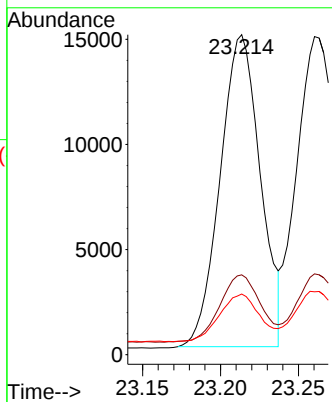
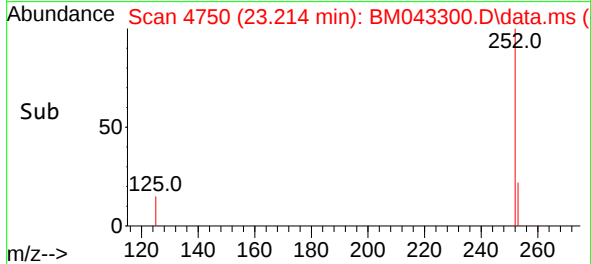


#24
Benzo(b)fluoranthene
Concen: 0.378 ng/ul
RT: 23.214 min Scan# 4750
Delta R.T. 0.000 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Instrument :
BNA_M
ClientSampleId :
BHEH8MSD

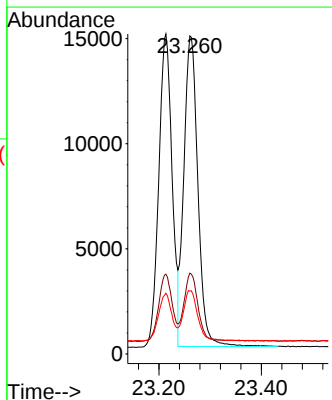
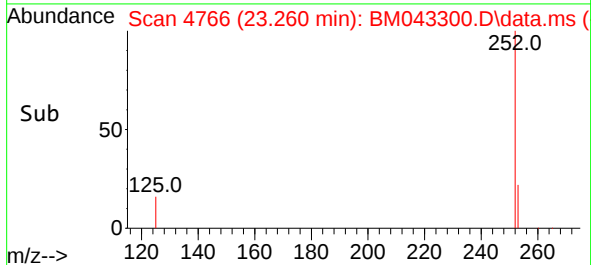
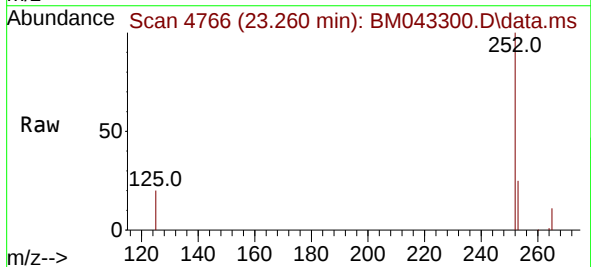


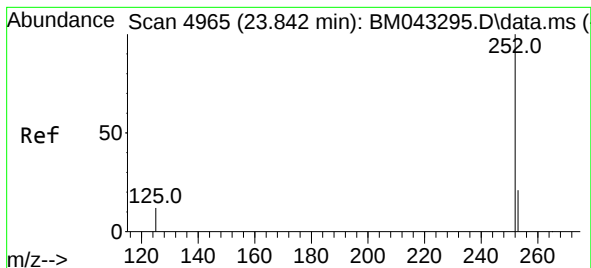
Tgt Ion:252 Resp: 26653
Ion Ratio Lower Upper
252 100
253 24.9 0.0 48.8
125 18.9 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.385 ng/ul
RT: 23.260 min Scan# 4766
Delta R.T. -0.003 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion:252 Resp: 28134
Ion Ratio Lower Upper
252 100
253 25.4 18.6 28.0
125 19.7 11.8 17.8#





#26

Benzo(a)pyrene

Concen: 0.399 ng/ul

RT: 23.845 min Scan# 4965

Delta R.T. 0.000 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

Instrument :

BNA_M

ClientSampleId :

BHEH8MSD

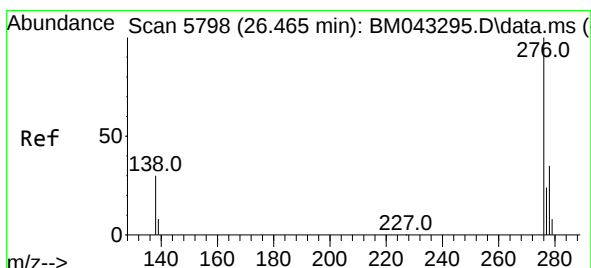
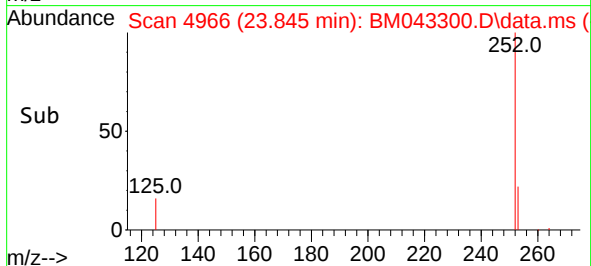
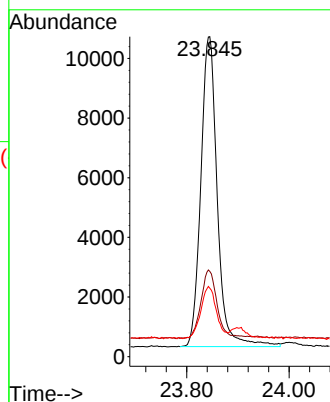
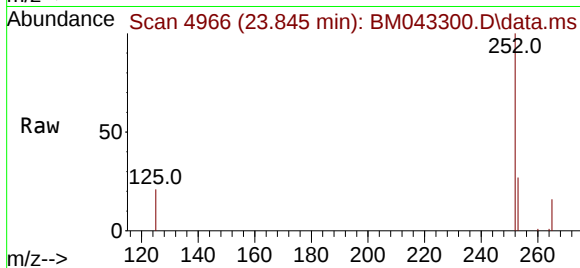
Tgt Ion:252 Resp: 23232

Ion Ratio Lower Upper

252 100

253 26.7 20.2 30.2

125 21.4 13.5 20.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.433 ng/ul

RT: 26.468 min Scan# 5799

Delta R.T. -0.003 min

Lab File: BM043300.D

Acq: 13 Dec 2023 14:25

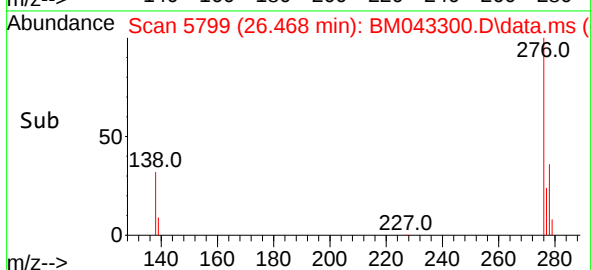
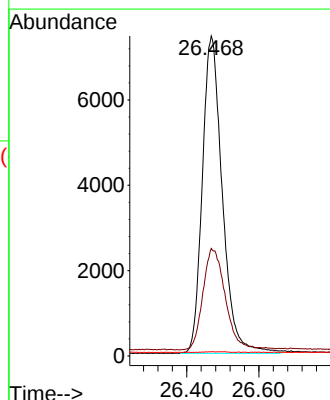
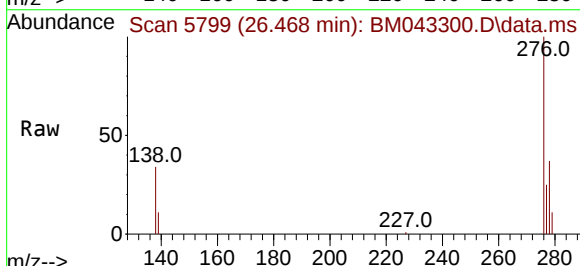
Tgt Ion:276 Resp: 28683

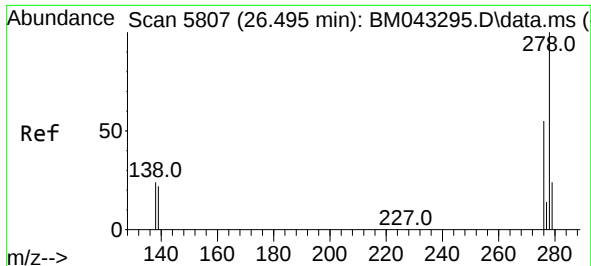
Ion Ratio Lower Upper

276 100

138 36.0 24.6 36.8

227 0.1 0.0 0.0#

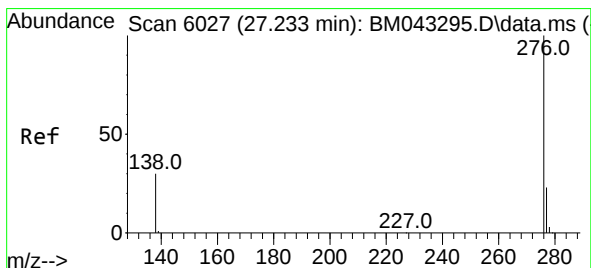
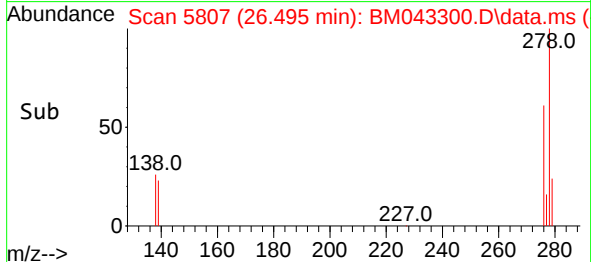
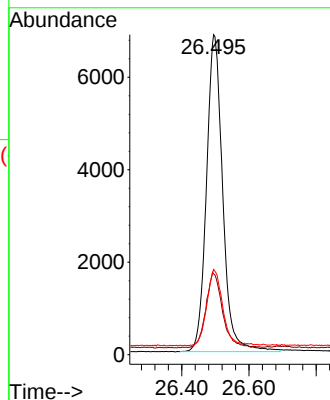
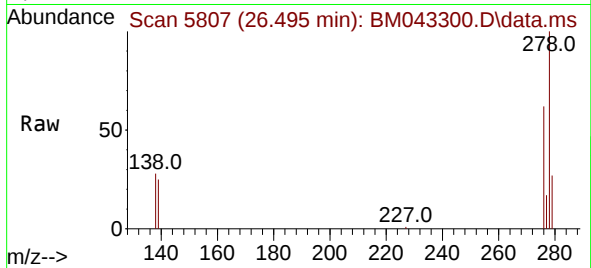




#28
Dibenzo(a,h)anthracene
Concen: 0.437 ng/ul
RT: 26.495 min Scan# 5807
Delta R.T. -0.007 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Instrument :
BNA_M
ClientSampleId :
BHEH8MSD

Tgt Ion: 278 Resp: 22929
Ion Ratio Lower Upper
278 100
139 25.3 17.4 26.2
279 26.6 20.9 31.3



#29
Benzo(g,h,i)perylene
Concen: 0.428 ng/ul
RT: 27.239 min Scan# 6029
Delta R.T. 0.000 min
Lab File: BM043300.D
Acq: 13 Dec 2023 14:25

Tgt Ion: 276 Resp: 24196
Ion Ratio Lower Upper
276 100
138 32.7 23.1 34.7
277 24.9 19.4 29.0

