

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072623\
 Data File : BM041125.D
 Acq On : 26 Jul 2023 08:39
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 01:17:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

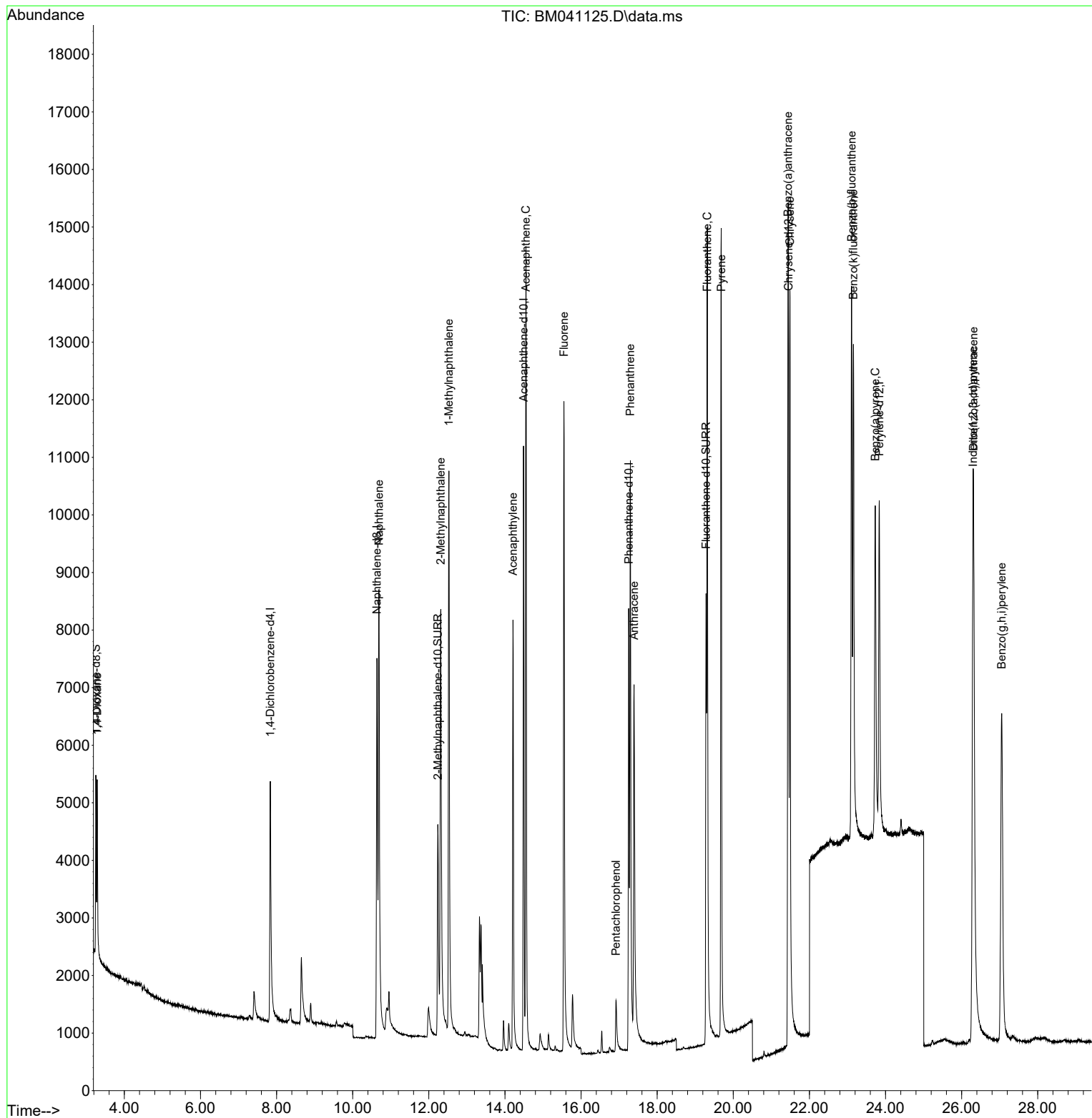
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	3457	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	12290	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	6191	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	10763	0.400	ng/ul	0.00
17) Chrysene-d12	21.451	240	8941	0.400	ng/ul	0.00
23) Perylene-d12	23.836	264	9068	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	1964	0.368	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.237	152	7141	0.407	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	11090	0.456	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.288	88	1975	0.362	ng/ul#	56
5) Naphthalene	10.691	128	13499	0.338	ng/ul	99
7) 2-Methylnaphthalene	12.313	142	8015	0.409	ng/ul	99
8) 1-Methylnaphthalene	12.528	142	8091	0.402	ng/ul	99
10) Acenaphthylene	14.213	152	10356	0.396	ng/ul	99
11) Acenaphthene	14.551	153	8792	0.398	ng/ul	99
12) Fluorene	15.550	166	9089	0.377	ng/ul	99
14) Pentachlorophenol	16.919	266	971	0.310	ng/ul	98
15) Phenanthrene	17.295	178	12768	0.385	ng/ul	99
16) Anthracene	17.392	178	10227	0.381	ng/ul	99
19) Fluoranthene	19.315	202	13910	0.434	ng/ul	100
20) Pyrene	19.682	202	14715	0.416	ng/ul	99
21) Benzo(a)anthracene	21.437	228	11927	0.399	ng/ul	100
22) Chrysene	21.486	228	13412	0.389	ng/ul	99
24) Benzo(b)fluoranthene	23.108	252	13638	0.377	ng/ul	99
25) Benzo(k)fluoranthene	23.155	252	13715	0.398	ng/ul	100
26) Benzo(a)pyrene	23.731	252	11724	0.401	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.297	276	17049	0.393	ng/ul	100
28) Dibenzo(a,h)anthracene	26.314	278	13455	0.396	ng/ul	97
29) Benzo(g,h,i)perylene	27.052	276	15136	0.391	ng/ul	99

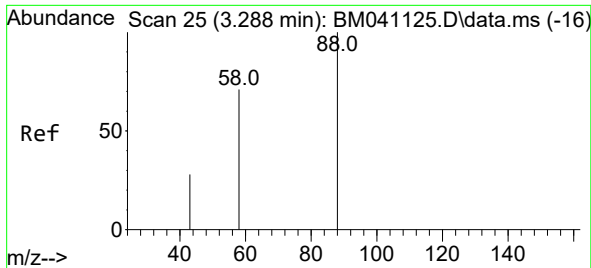
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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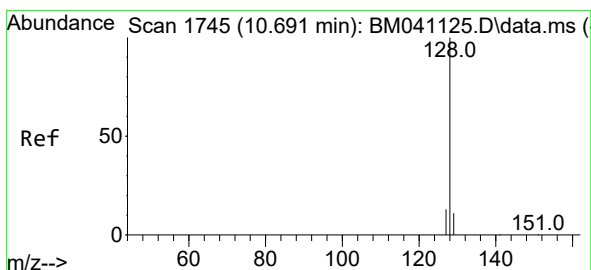
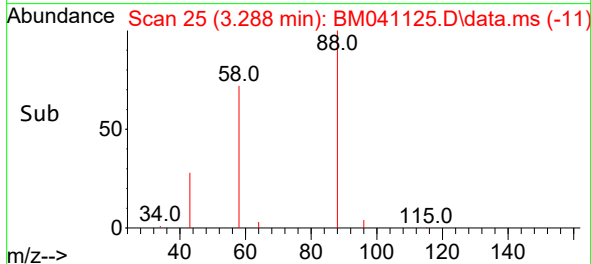
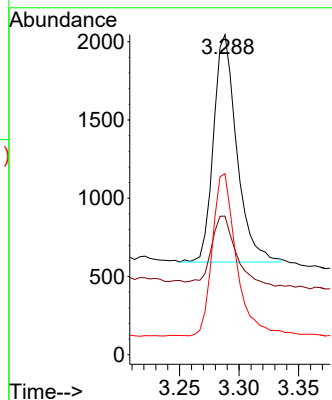
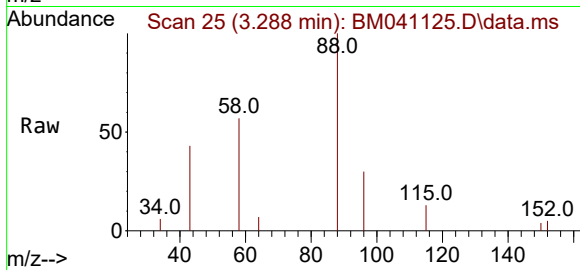




#2
1,4-Dioxane
Concen: 0.362 ng/ul
RT: 3.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

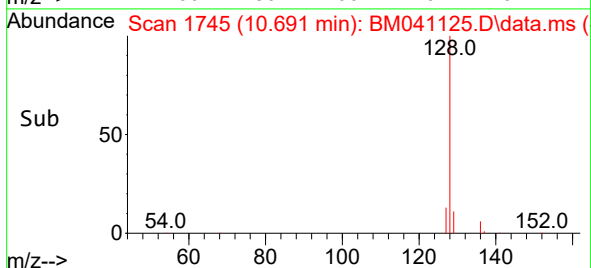
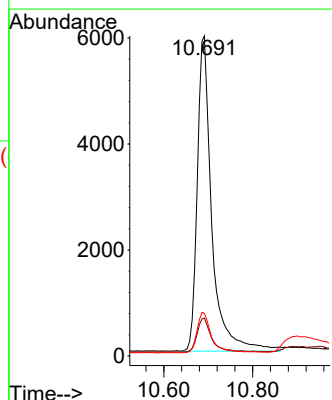
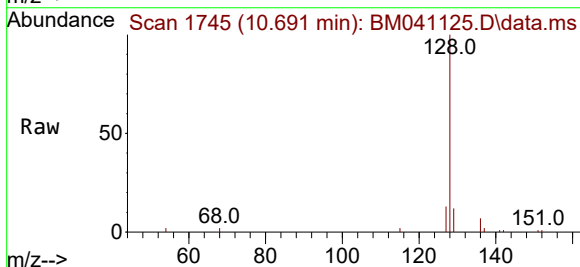
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BNA_M
ClientSampleId :

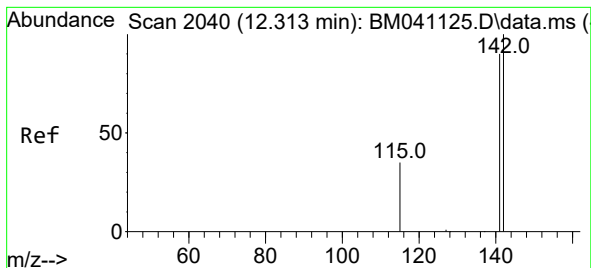
Tgt Ion: 88 Resp: 1975
Ion Ratio Lower Upper
88 100
43 43.3 83.1 124.7#
58 56.6 38.8 58.2



#5
Naphthalene
Concen: 0.338 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:128 Resp: 13499
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.8
127 13.3 11.1 16.7

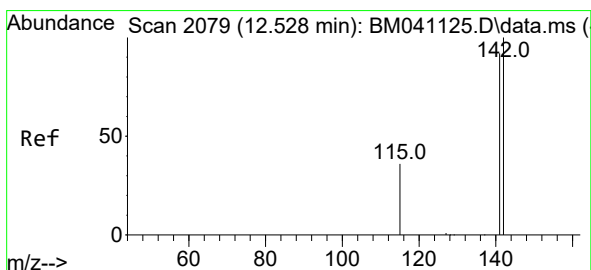
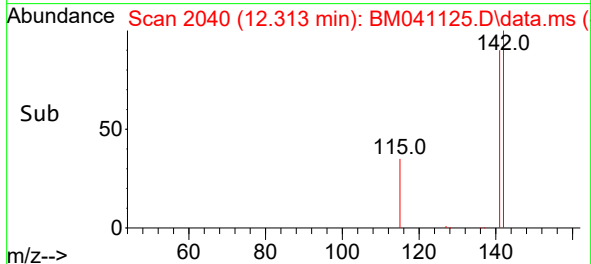
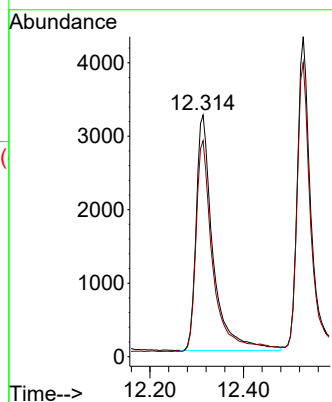
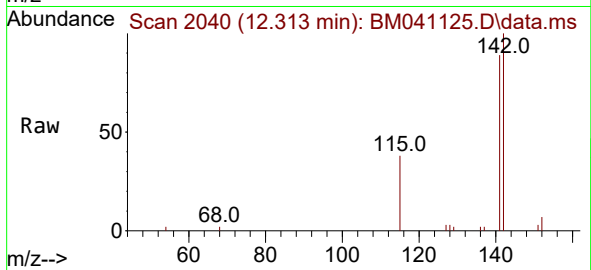




#7
2-Methylnaphthalene
Concen: 0.409 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

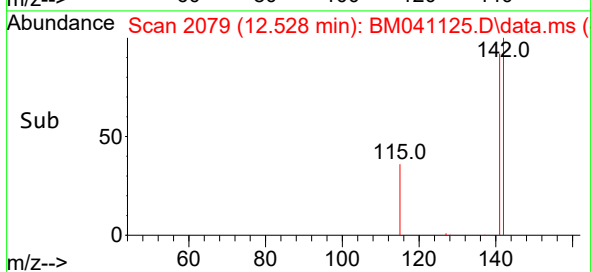
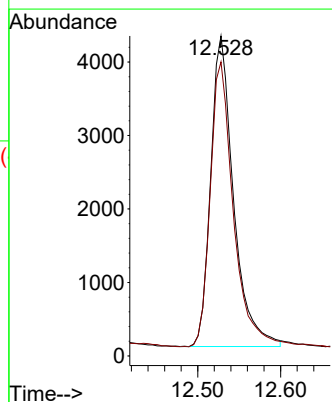
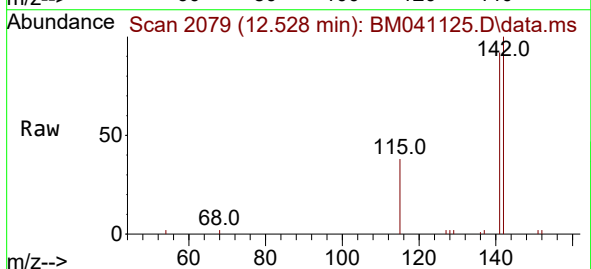
Instrument :
BNA_M
ClientSampleId :

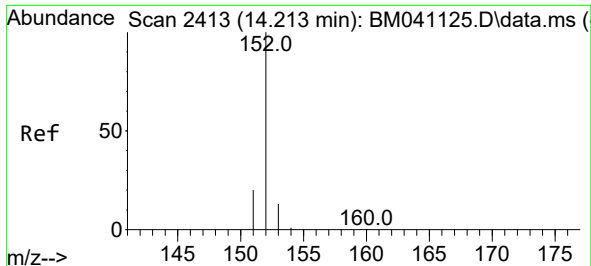
Tgt Ion:142 Resp: 8015
Ion Ratio Lower Upper
142 100
141 91.1 73.3 109.9



#8
1-Methylnaphthalene
Concen: 0.402 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:142 Resp: 8091
Ion Ratio Lower Upper
142 100
141 92.5 73.6 110.4

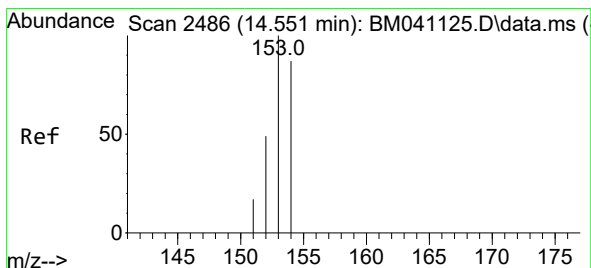
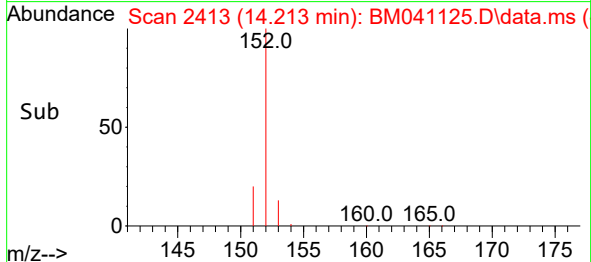
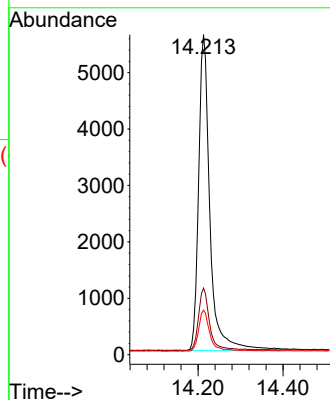
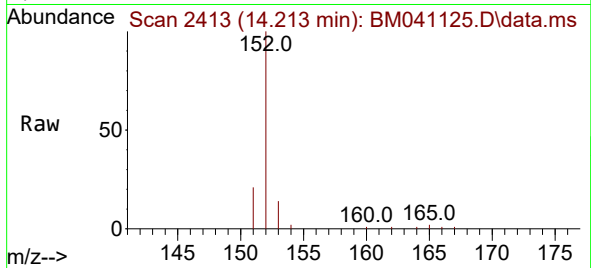




#10
Acenaphthylene
Concen: 0.396 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

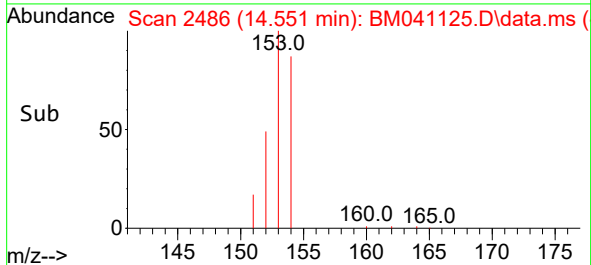
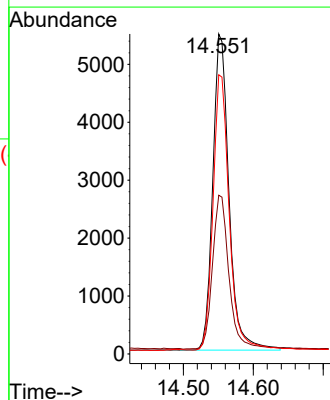
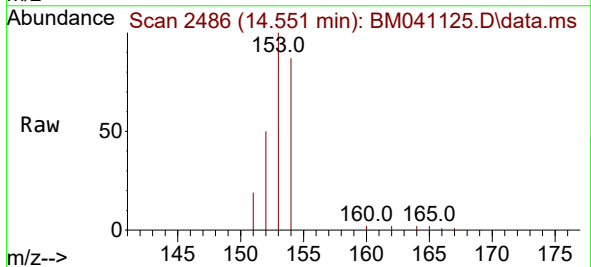
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BNA_M
ClientSampleId :

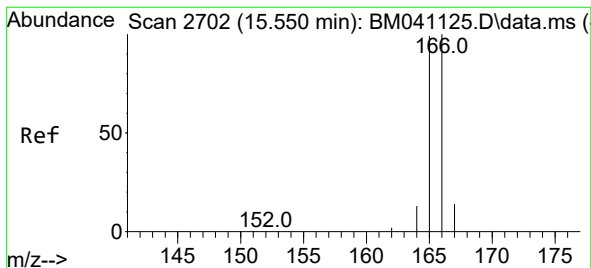
Tgt Ion:152 Resp: 10356
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2
153 14.0 11.4 17.2



#11
Acenaphthene
Concen: 0.398 ng/ul
RT: 14.551 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:153 Resp: 8792
Ion Ratio Lower Upper
153 100
152 49.6 40.2 60.4
154 87.2 70.3 105.5





#12

Fluorene

Concen: 0.377 ng/ul

RT: 15.550 min Scan# 2702

Delta R.T. 0.000 min

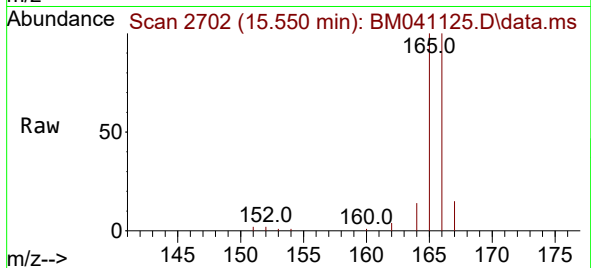
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Acq: 26 Jul 2023 08:39

Instrument :

BNA_M

ClientSampleId :



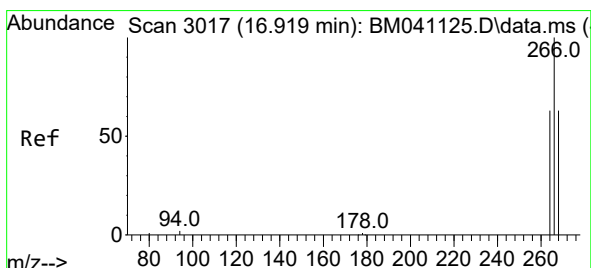
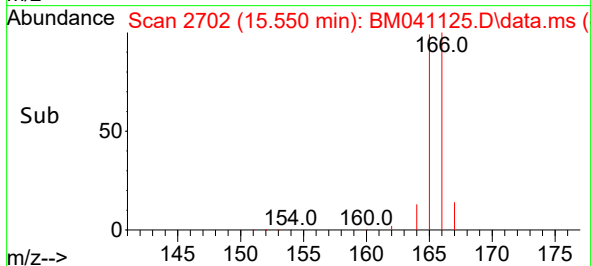
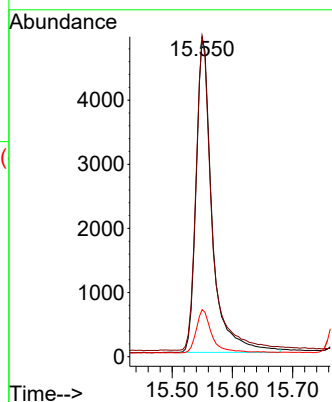
Tgt Ion:166 Resp: 9089

Ion Ratio Lower Upper

166 100

165 100.1 79.4 119.0

167 14.7 11.4 17.2



#14

Pentachlorophenol

Concen: 0.310 ng/ul

RT: 16.919 min Scan# 3017

Delta R.T. 0.004 min

Lab File: BM041125.D

Acq: 26 Jul 2023 08:39

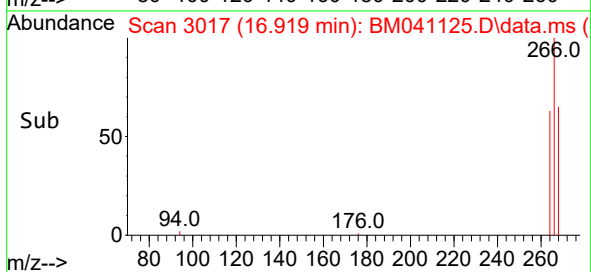
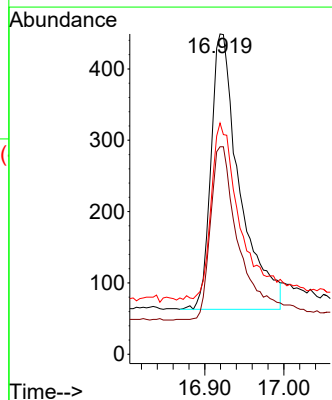
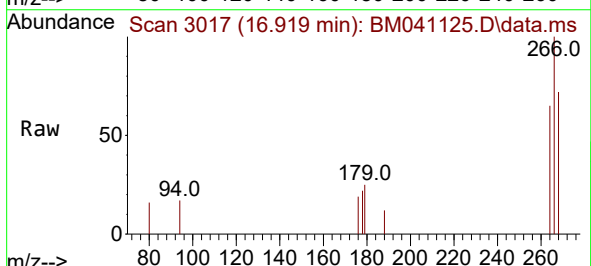
Tgt Ion:266 Resp: 971

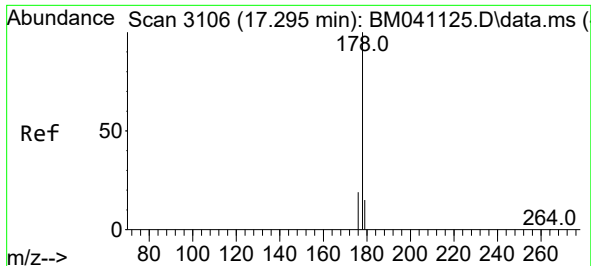
Ion Ratio Lower Upper

266 100

264 62.6 49.2 73.8

268 63.7 49.9 74.9

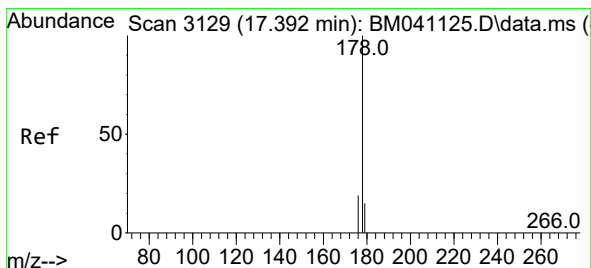
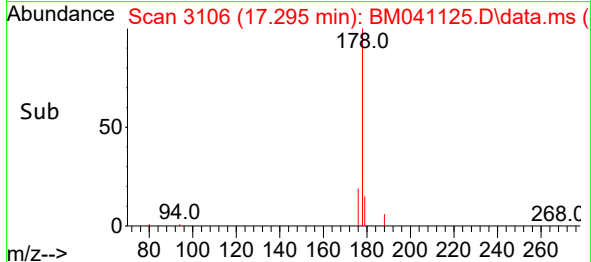
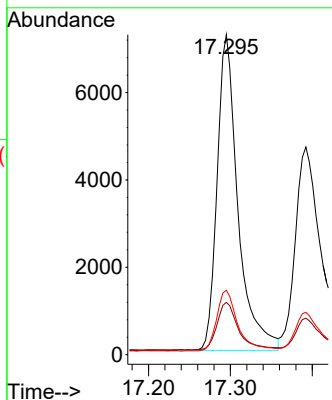
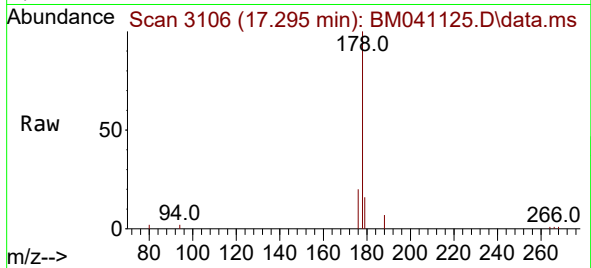




#15
Phenanthrene
Concen: 0.385 ng/ul
RT: 17.295 min Scan# 3106
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

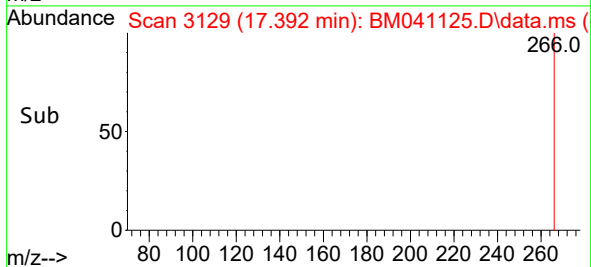
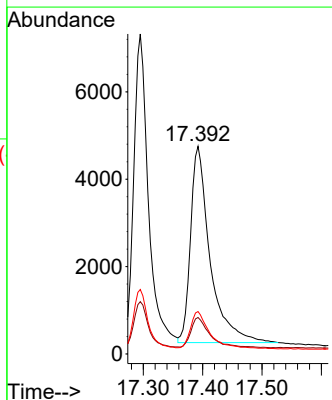
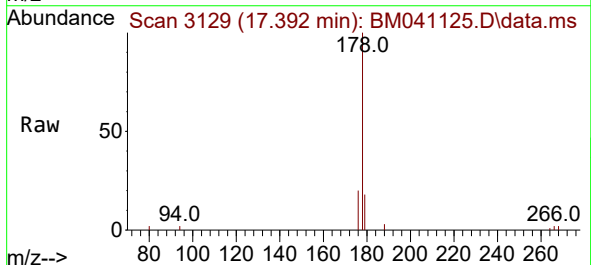
Instrument :
BNA_M
ClientSampleId :

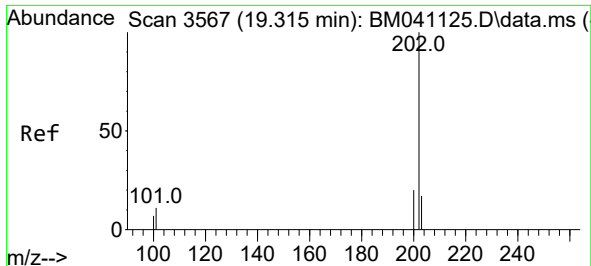
Tgt Ion:178 Resp: 12768
Ion Ratio Lower Upper
178 100
179 16.3 13.4 20.2
176 20.2 16.0 24.0



#16
Anthracene
Concen: 0.381 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:178 Resp: 10227
Ion Ratio Lower Upper
178 100
179 17.6 13.6 20.4
176 20.4 16.0 24.0

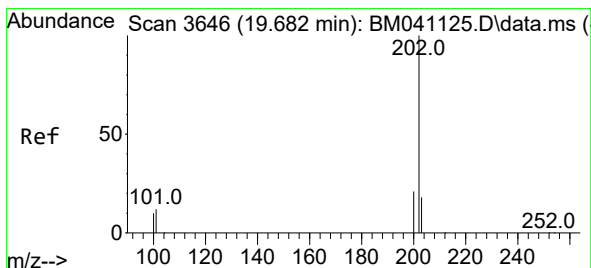
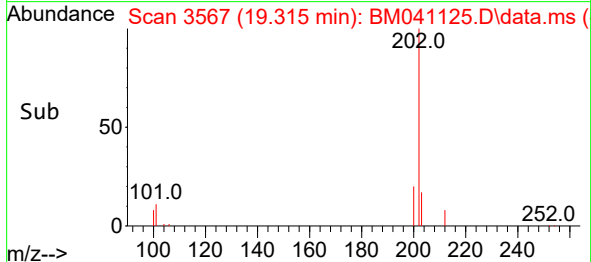
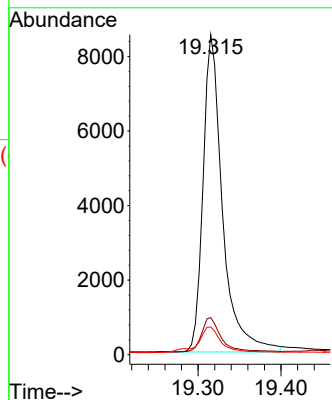
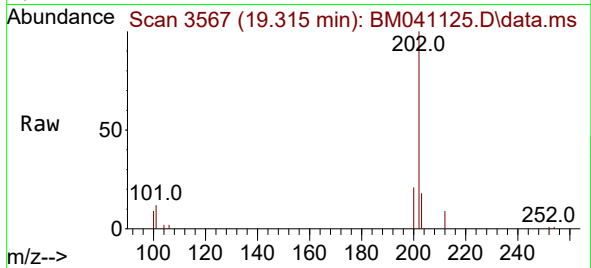




#19
Fluoranthene
Concen: 0.434 ng/ul
RT: 19.315 min Scan# 3567
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

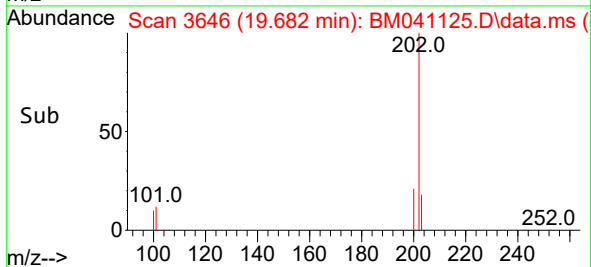
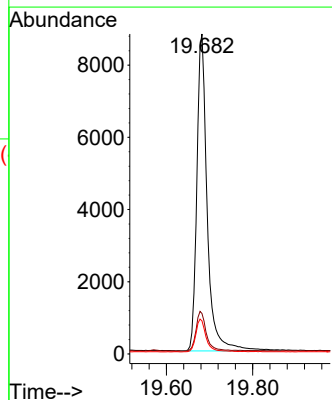
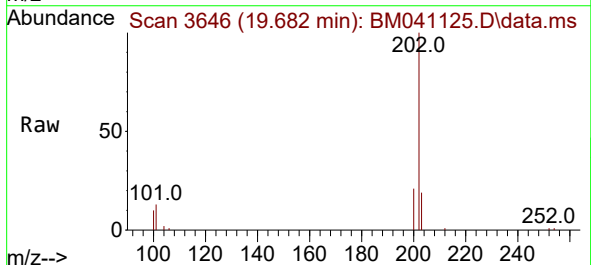
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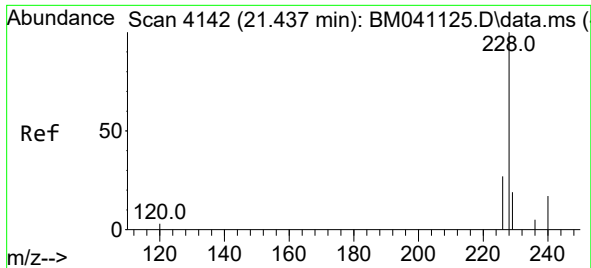
Tgt Ion:202 Resp: 13910
Ion Ratio Lower Upper
202 100
101 11.6 9.4 14.0
100 8.7 7.1 10.7



#20
Pyrene
Concen: 0.416 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:202 Resp: 14715
Ion Ratio Lower Upper
202 100
101 12.7 10.7 16.1
100 10.3 8.5 12.7

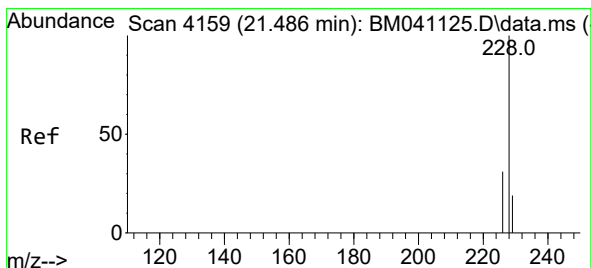
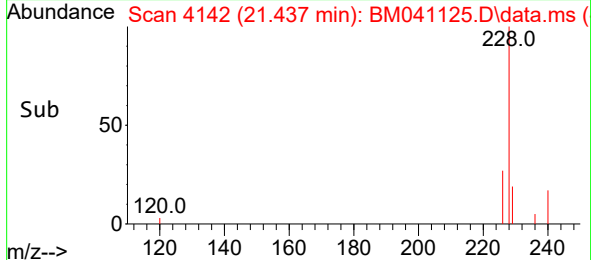
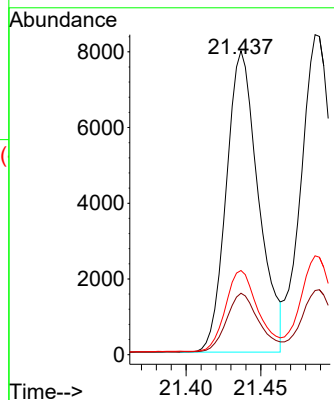
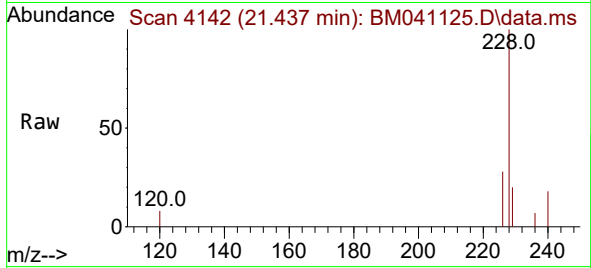




#21
Benzo(a)anthracene
Concen: 0.399 ng/ul
RT: 21.437 min Scan# 4142
Delta R.T. 0.003 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

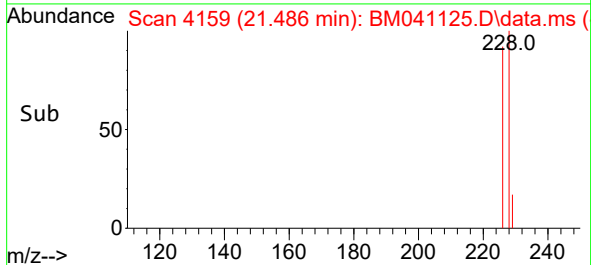
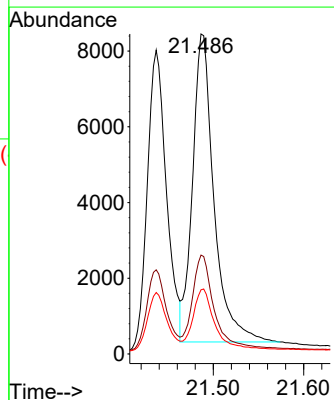
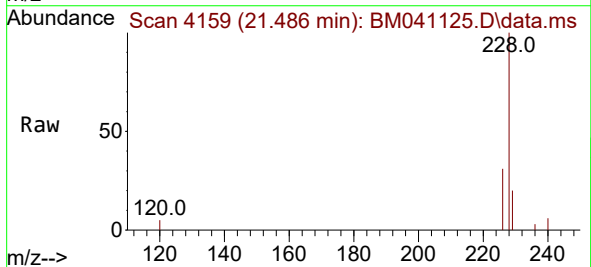
Instrument :
BNA_M
ClientSampleId :

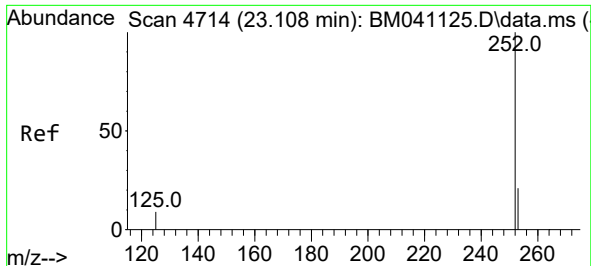
Tgt Ion:228 Resp: 11927
Ion Ratio Lower Upper
228 100
229 20.2 16.5 24.7
226 27.7 22.2 33.2



#22
Chrysene
Concen: 0.389 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:228 Resp: 13412
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 20.0 15.9 23.9

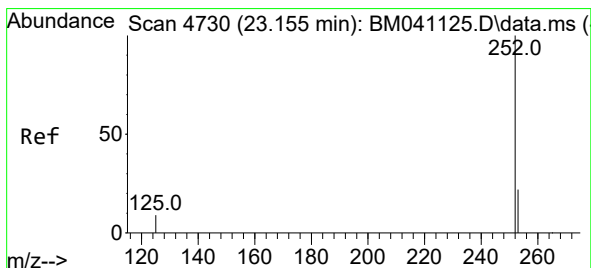
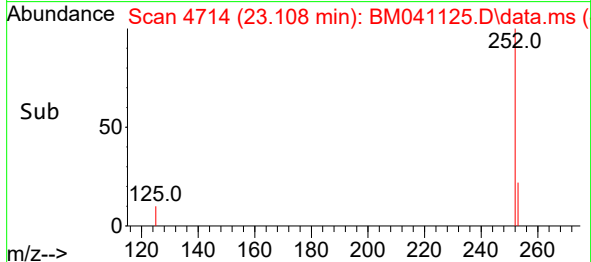
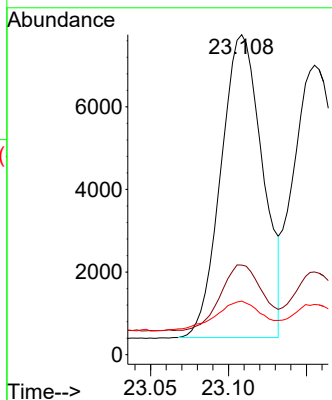
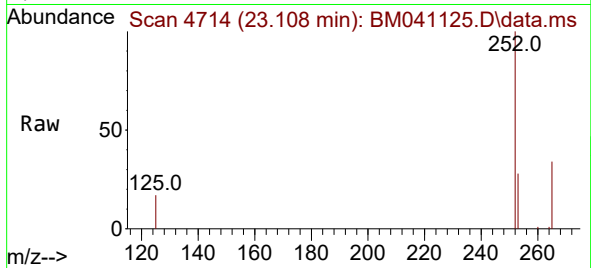




#24
Benzo(b)fluoranthene
Concen: 0.377 ng/ul
RT: 23.108 min Scan# 4714
Delta R.T. 0.003 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

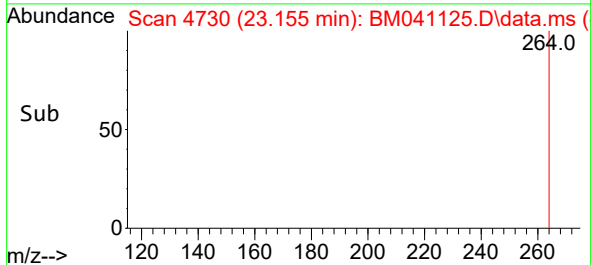
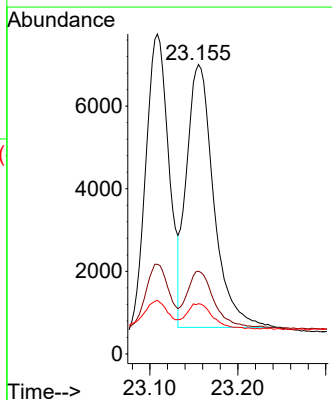
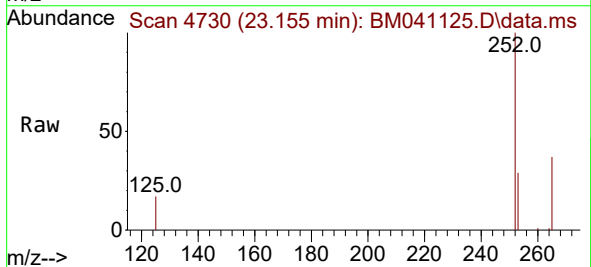
Instrument :
BNA_M
ClientSampleId :

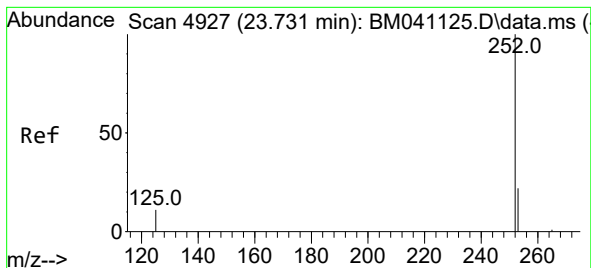
Tgt Ion:252 Resp: 13638
Ion Ratio Lower Upper
252 100
253 28.0 0.0 57.6
125 16.7 0.0 33.6



#25
Benzo(k)fluoranthene
Concen: 0.398 ng/ul
RT: 23.155 min Scan# 4730
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:252 Resp: 13715
Ion Ratio Lower Upper
252 100
253 28.6 22.8 34.2
125 17.4 13.5 20.3





#26

Benzo(a)pyrene

Concen: 0.401 ng/ul

RT: 23.731 min Scan# 4927

Delta R.T. 0.003 min

Lab File: BM041125.D

Acq: 26 Jul 2023 08:39

Instrument :

BNA_M

ClientSampleId :

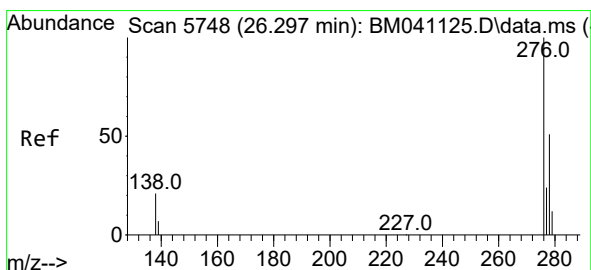
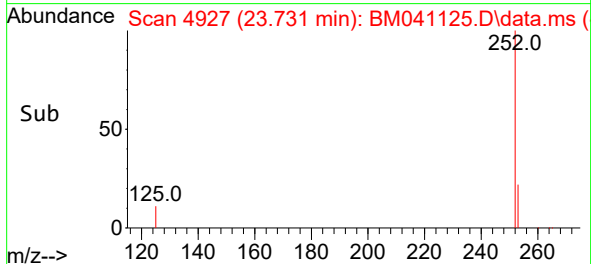
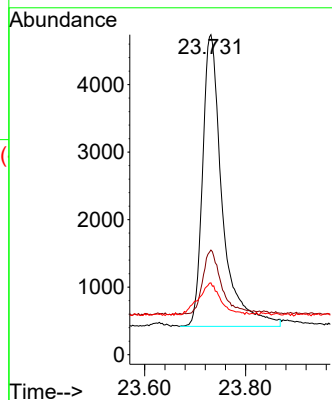
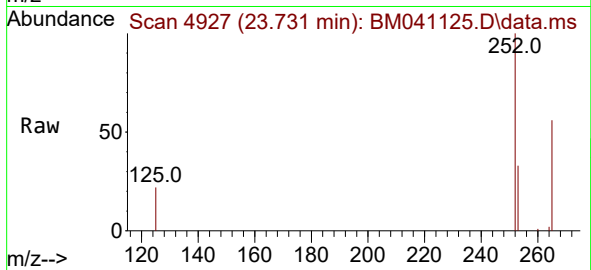
Tgt Ion:252 Resp: 11724

Ion Ratio Lower Upper

252 100

253 32.7 26.7 40.1

125 22.4 18.1 27.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.393 ng/ul

RT: 26.297 min Scan# 5748

Delta R.T. 0.000 min

Lab File: BM041125.D

Acq: 26 Jul 2023 08:39

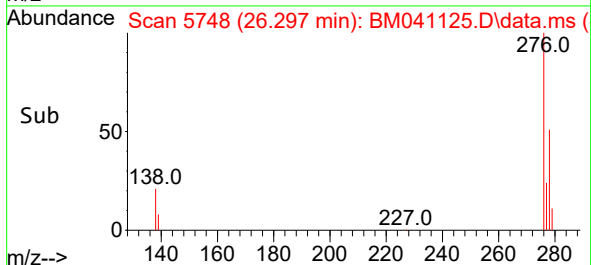
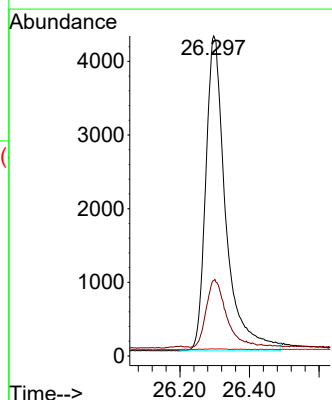
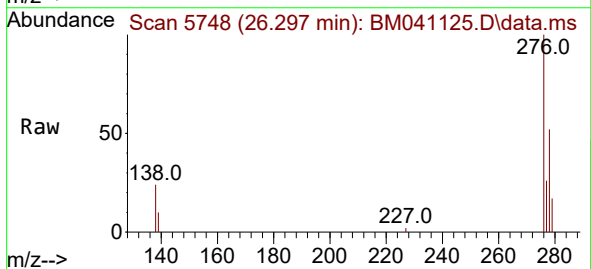
Tgt Ion:276 Resp: 17049

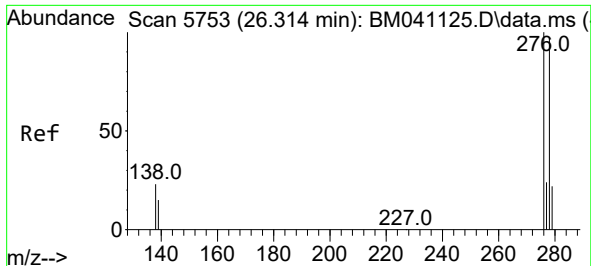
Ion Ratio Lower Upper

276 100

138 22.5 18.1 27.1

227 0.2 0.2 0.2

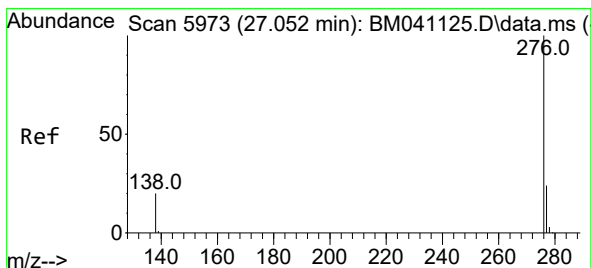
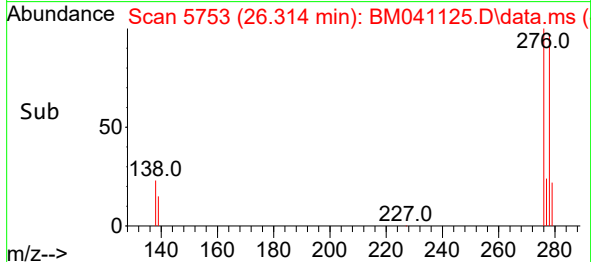
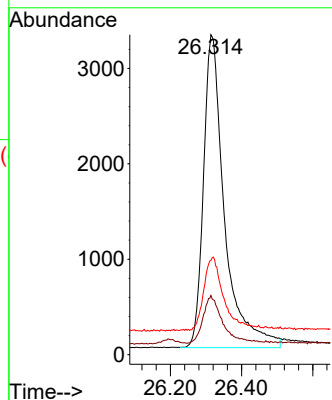
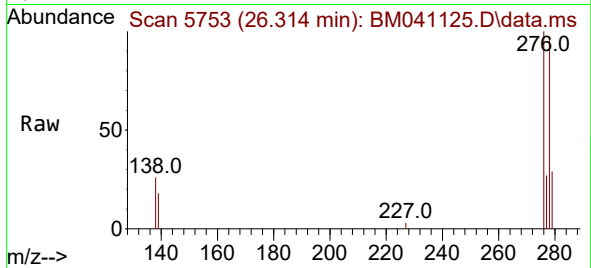




#28
Dibenzo(a,h)anthracene
Concen: 0.396 ng/ul
RT: 26.314 min Scan# 5753
Delta R.T. -0.003 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 13455
Ion Ratio Lower Upper
278 100
139 18.5 14.1 21.1
279 29.4 25.0 37.4



#29
Benzo(g,h,i)perylene
Concen: 0.391 ng/ul
RT: 27.052 min Scan# 5973
Delta R.T. 0.000 min
Lab File: BM041125.D
Acq: 26 Jul 2023 08:39

Tgt Ion:276 Resp: 15136
Ion Ratio Lower Upper
276 100
138 22.2 18.2 27.2
277 26.2 20.6 30.8

