

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049037.D
 Acq On : 18 Dec 2024 00:48
 Operator : RC/JU
 Sample : P5155-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T5

Quant Time: Dec 18 03:44:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 17 10:03:27 2024
 Response via : Initial Calibration

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

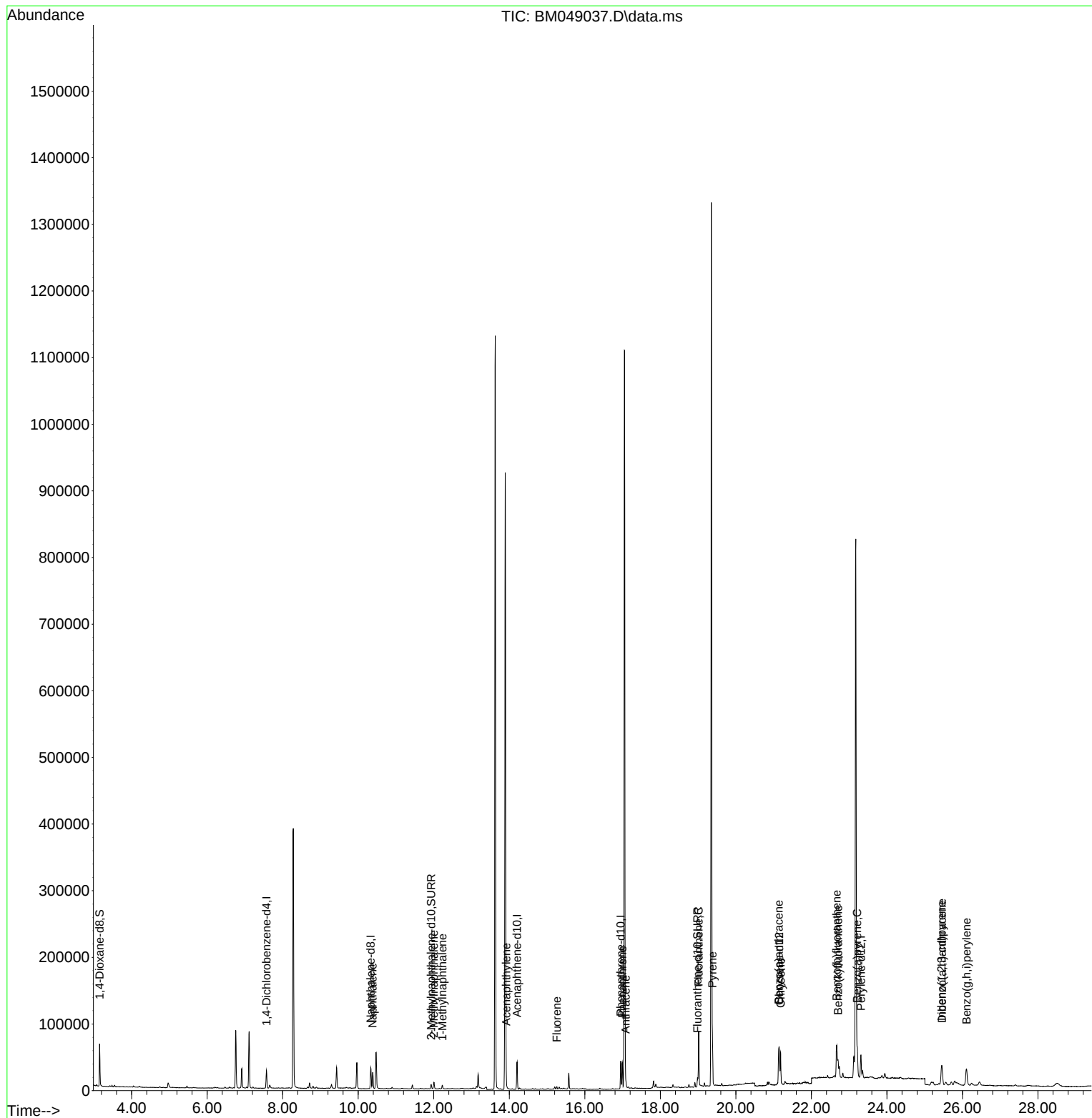
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	13003	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	40355	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.206	164	22594	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	47030	0.400	ng/ul	0.00
17) Chrysene-d12	21.149	240	37275	0.400	ng/ul	0.00
23) Perylene-d12	23.311	264	40949	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	34734	2.286	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	8310	0.161	ng/ul	0.00
18) Fluoranthene-d10	18.983	212	15084	0.135	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.381	128	17560	0.170	ng/ul	97
7) 2-Methylnaphthalene	12.003	142	7415	0.117	ng/ul	99
8) 1-Methylnaphthalene	12.229	142	3801	0.059	ng/ul	99
10) Acenaphthylene	13.919	152	4961	0.052	ng/ul#	86
12) Fluorene	15.261	166	2078	0.026	ng/ul#	84
15) Phenanthrene	16.993	178	41020	0.318	ng/ul	99
16) Anthracene	17.082	178	7451	0.065	ng/ul#	86
19) Fluoranthene	19.016	202	69726	0.451	ng/ul#	94
20) Pyrene	19.378	202	62408	0.375	ng/ul	96
21) Benzo(a)anthracene	21.134	228	38508	0.294	ng/ul#	88
22) Chrysene	21.184	228	49113	0.331	ng/ul#	91
24) Benzo(b)fluoranthene	22.668	252	80212m	0.567	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	26973m	0.165	ng/ul	
26) Benzo(a)pyrene	23.215	252	50532	0.386	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.450	276	46975	0.256	ng/ul#	86
28) Dibenzo(a,h)anthracene	25.460	278	11076	0.077	ng/ul#	42
29) Benzo(g,h,i)perylene	26.107	276	51114	0.346	ng/ul	95

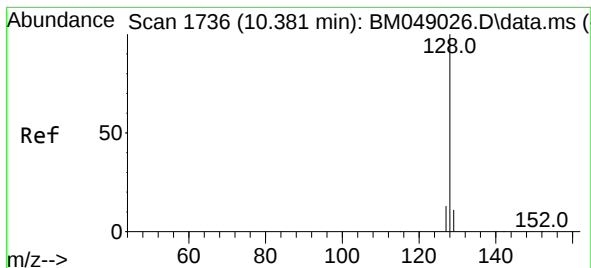
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.170 ng/ul

RT: 10.381 min Scan# 1736

Delta R.T. -0.004 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5

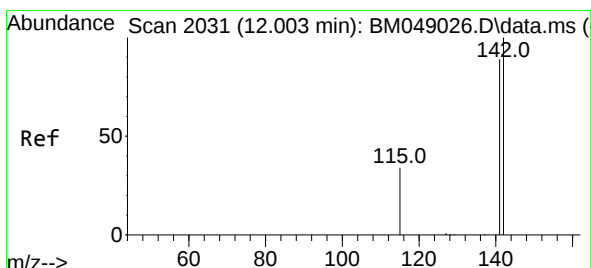
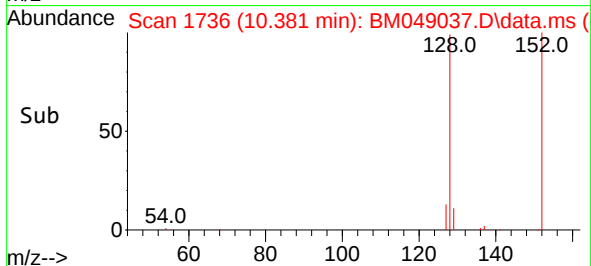
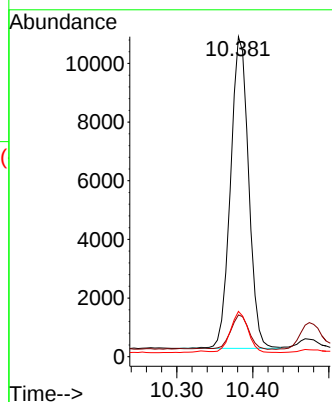
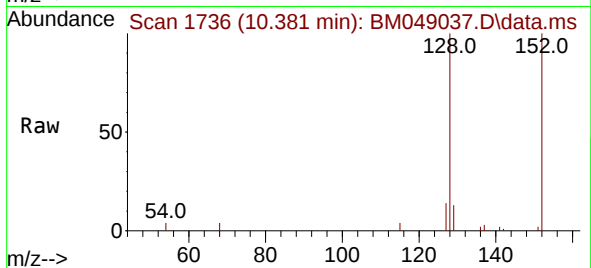
Tgt Ion:128 Resp: 17560

Ion Ratio Lower Upper

128 100

129 13.0 9.4 14.2

127 14.2 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.117 ng/ul

RT: 12.003 min Scan# 2031

Delta R.T. -0.004 min

Lab File: BM049037.D

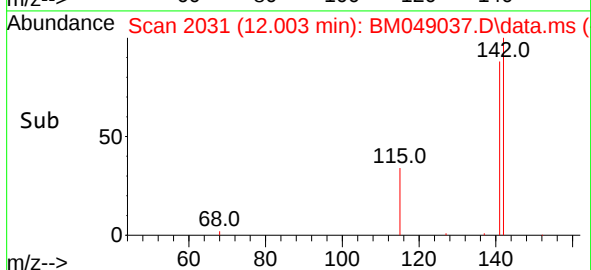
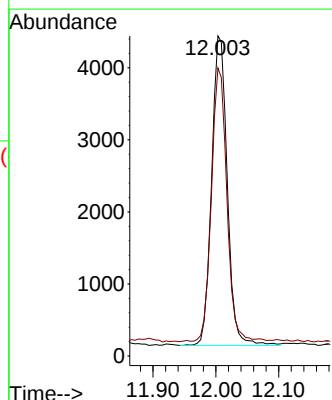
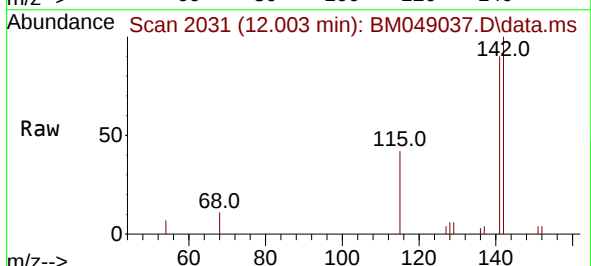
Acq: 18 Dec 2024 00:48

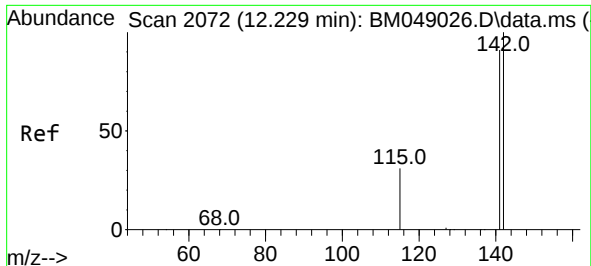
Tgt Ion:142 Resp: 7415

Ion Ratio Lower Upper

142 100

141 87.7 71.2 106.8

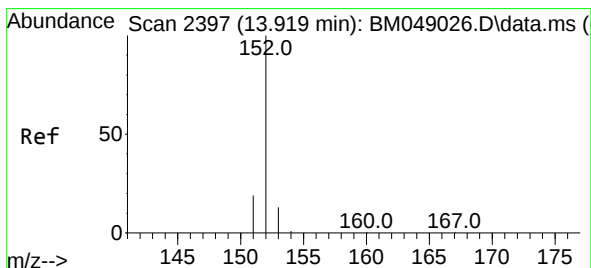
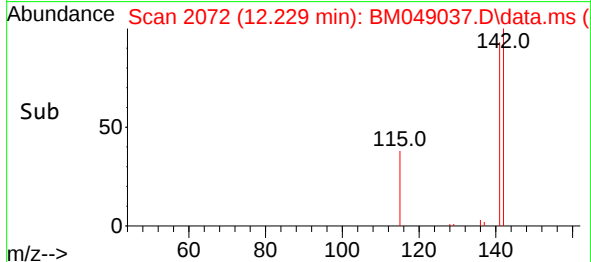
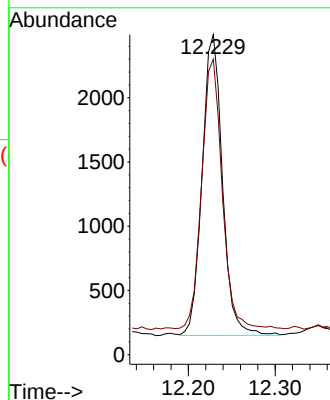
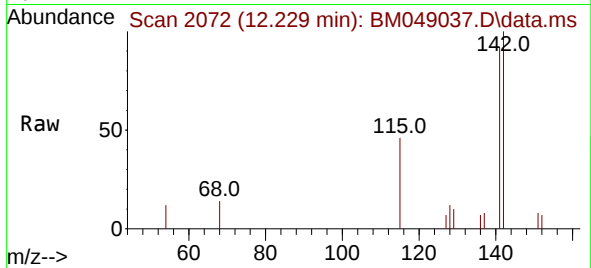




#8
1-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.229 min Scan# 2072
Delta R.T. 0.001 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

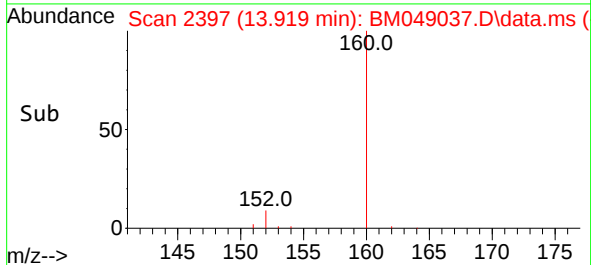
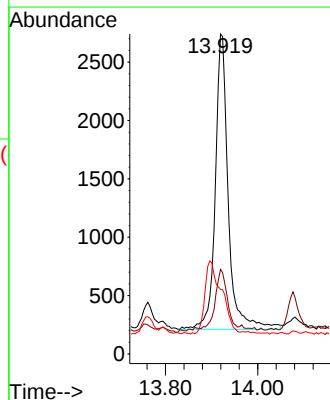
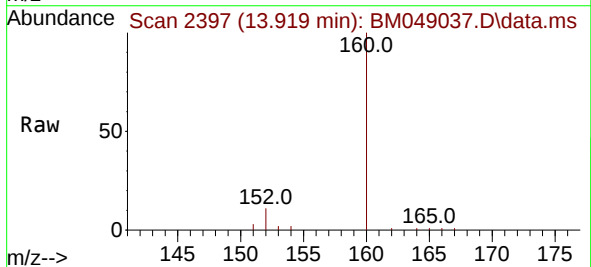
Instrument :
BNA_M
ClientSampleId :
E28T5

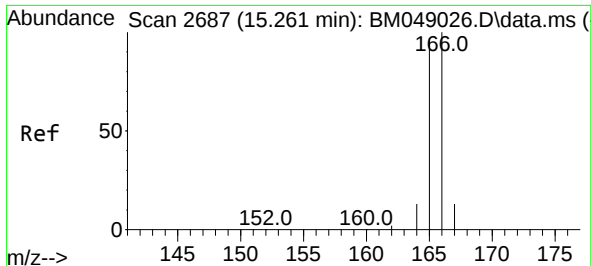
Tgt Ion:142 Resp: 3801
Ion Ratio Lower Upper
142 100
141 92.4 72.8 109.2



#10
Acenaphthylene
Concen: 0.052 ng/ul
RT: 13.919 min Scan# 2397
Delta R.T. -0.003 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

Tgt Ion:152 Resp: 4961
Ion Ratio Lower Upper
152 100
151 26.5 16.3 24.5#
153 20.2 11.2 16.8#

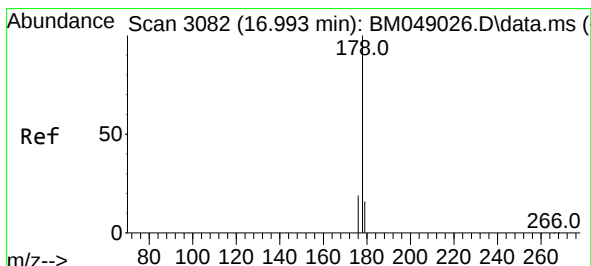
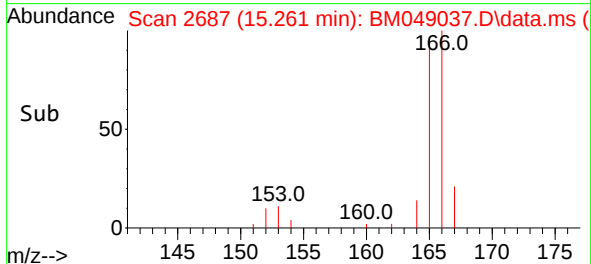
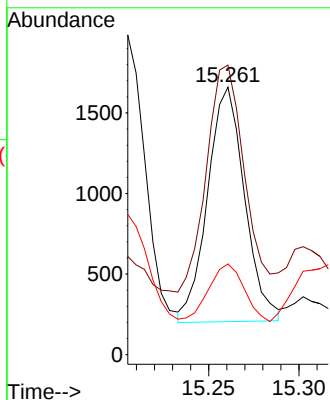
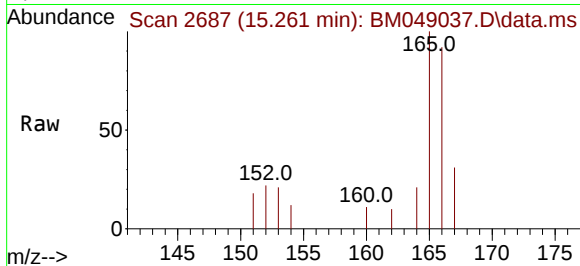




#12
Fluorene
Concen: 0.026 ng/ul
RT: 15.261 min Scan# 2078
Delta R.T. -0.003 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

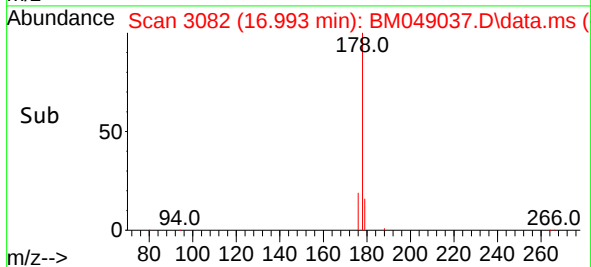
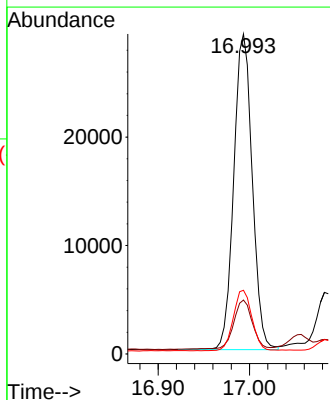
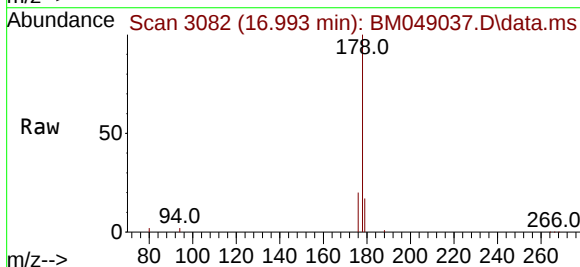
Instrument :
BNA_M
ClientSampleId :
E28T5

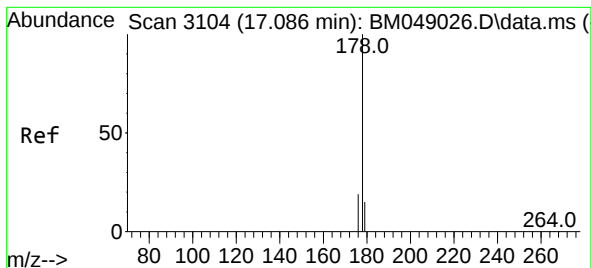
Tgt Ion:166 Resp: 2078
Ion Ratio Lower Upper
166 100
165 108.3 78.1 117.1
167 33.9 11.6 17.4#



#15
Phenanthrene
Concen: 0.318 ng/ul
RT: 16.993 min Scan# 3082
Delta R.T. -0.003 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

Tgt Ion:178 Resp: 41020
Ion Ratio Lower Upper
178 100
179 16.9 13.0 19.6
176 19.9 15.8 23.8





#16

Anthracene

Concen: 0.065 ng/ul

RT: 17.082 min Scan# 3104

Delta R.T. -0.003 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5

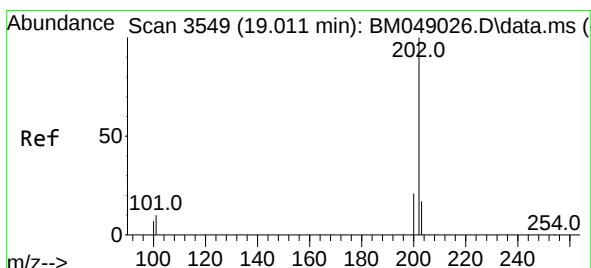
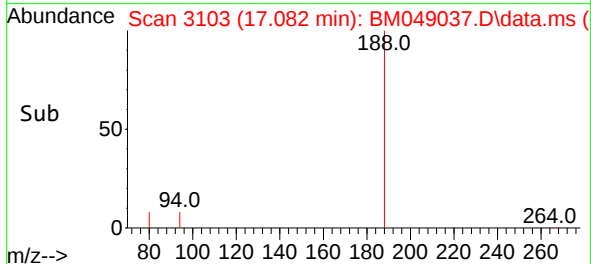
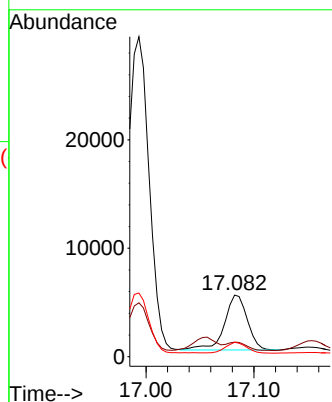
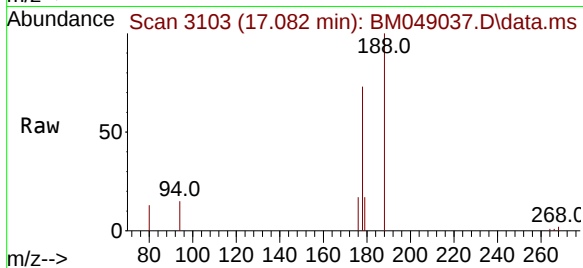
Tgt Ion:178 Resp: 7451

Ion Ratio Lower Upper

178 100

179 23.8 13.0 19.4#

176 23.3 15.0 22.6#



#19

Fluoranthene

Concen: 0.451 ng/ul

RT: 19.016 min Scan# 3550

Delta R.T. 0.001 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

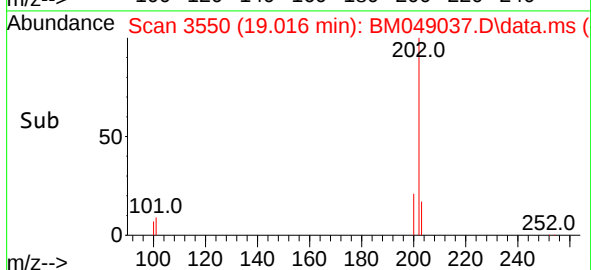
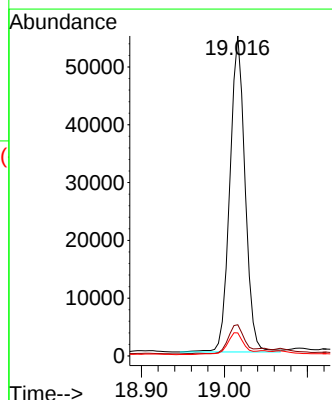
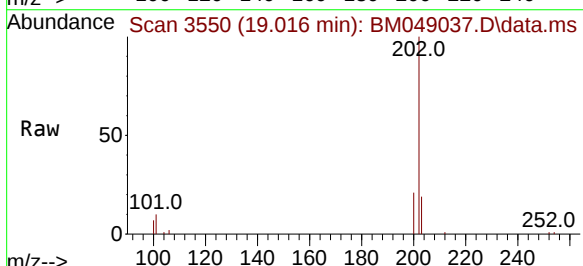
Tgt Ion:202 Resp: 69726

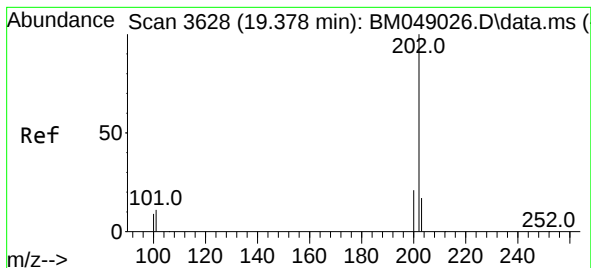
Ion Ratio Lower Upper

202 100

101 9.7 9.7 14.5

100 7.2 7.3 10.9#





#20

Pyrene

Concen: 0.375 ng/ul

RT: 19.378 min Scan# 3628

Delta R.T. -0.003 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5

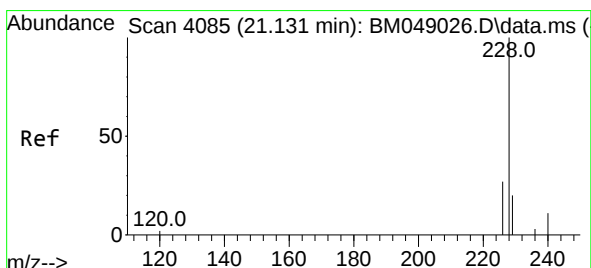
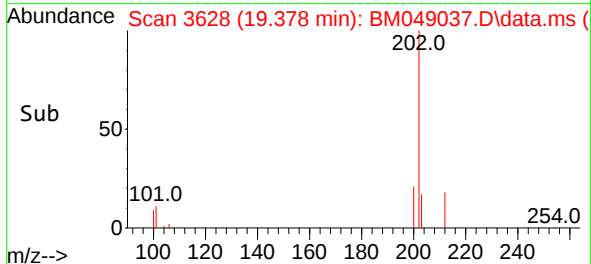
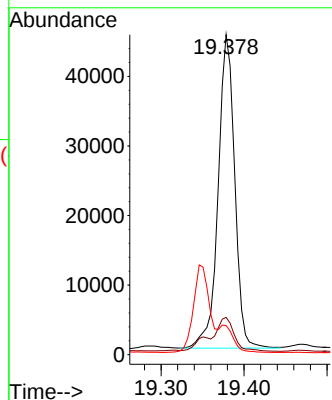
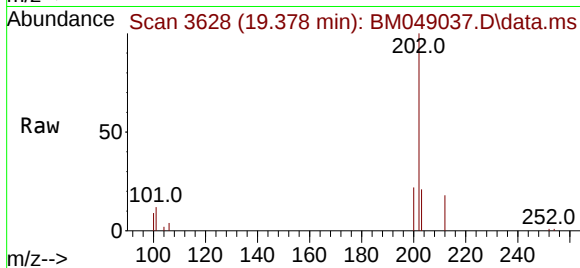
Tgt Ion:202 Resp: 62408

Ion Ratio Lower Upper

202 100

101 11.7 10.6 16.0

100 9.1 8.4 12.6



#21

Benzo(a)anthracene

Concen: 0.294 ng/ul

RT: 21.134 min Scan# 4086

Delta R.T. -0.001 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

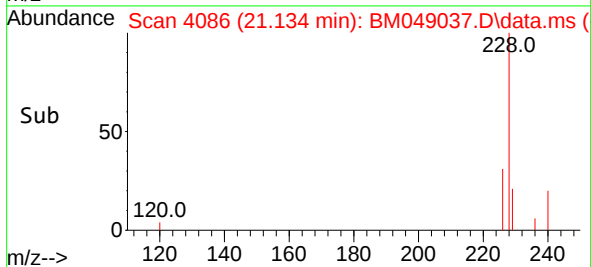
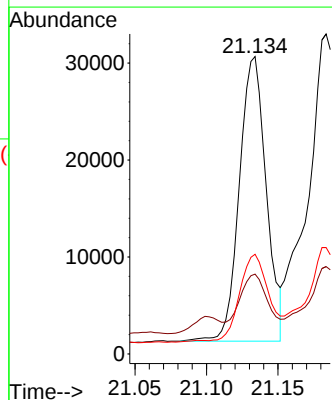
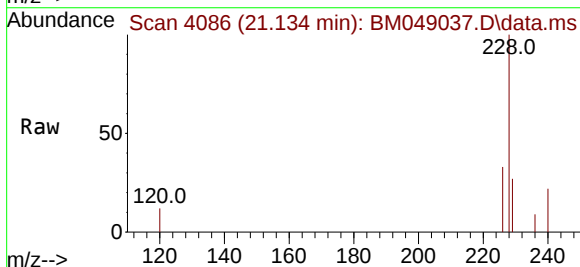
Tgt Ion:228 Resp: 38508

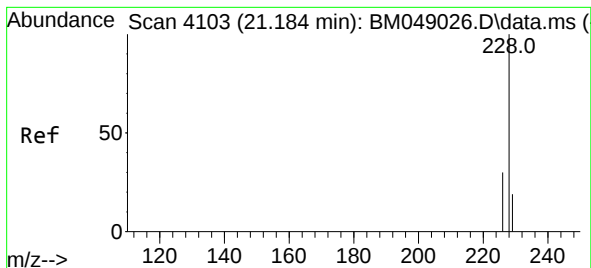
Ion Ratio Lower Upper

228 100

229 26.8 15.7 23.5#

226 33.5 23.0 34.4





#22

Chrysene

Concen: 0.331 ng/ul

RT: 21.184 min Scan# 4103

Delta R.T. -0.003 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5

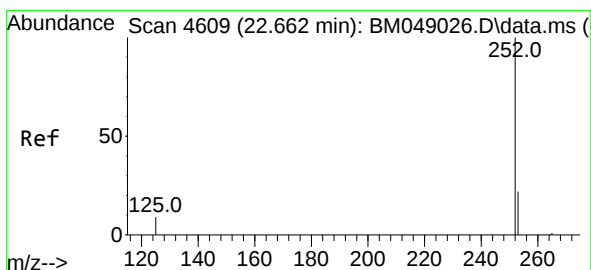
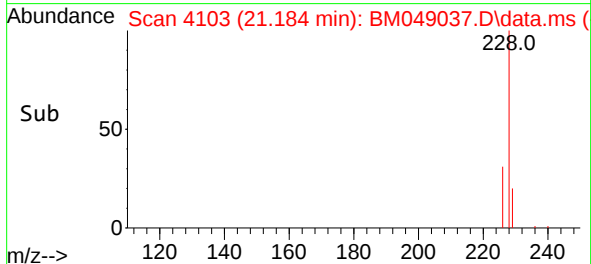
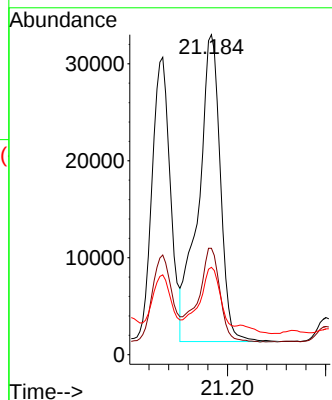
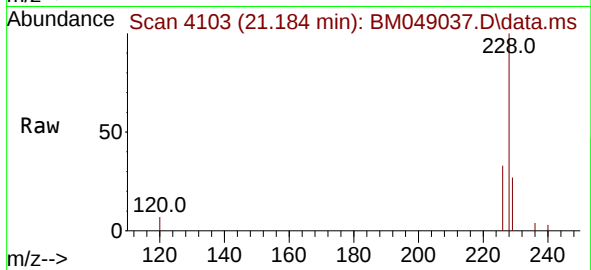
Tgt Ion:228 Resp: 49113

Ion Ratio Lower Upper

228 100

226 33.3 24.8 37.2

229 27.3 16.0 24.0#



#24

Benzo(b)fluoranthene

Concen: 0.567 ng/ul m

RT: 22.668 min Scan# 4611

Delta R.T. 0.002 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

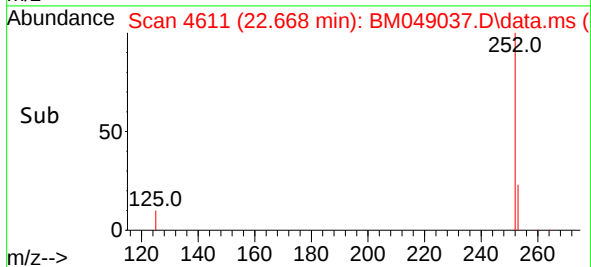
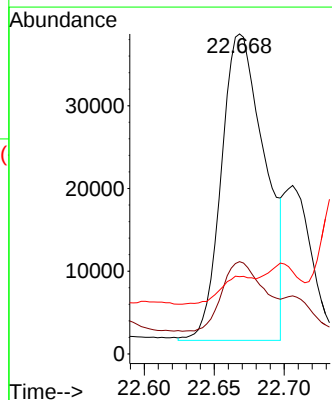
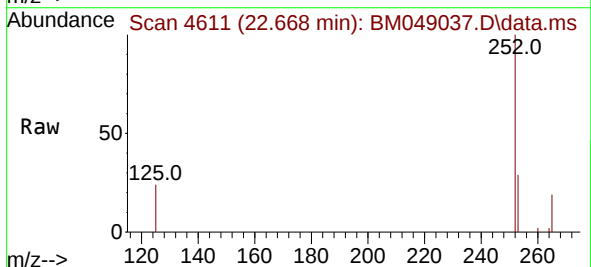
Tgt Ion:252 Resp: 80212

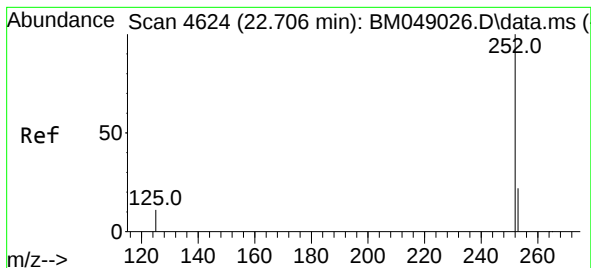
Ion Ratio Lower Upper

252 100

253 28.9 0.0 51.0

125 24.2 0.0 36.6





#25

Benzo(k)fluoranthene

Concen: 0.165 ng/ul m

RT: 22.706 min Scan# 4

Delta R.T. -0.003 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5

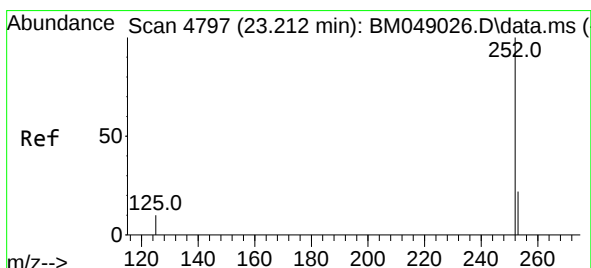
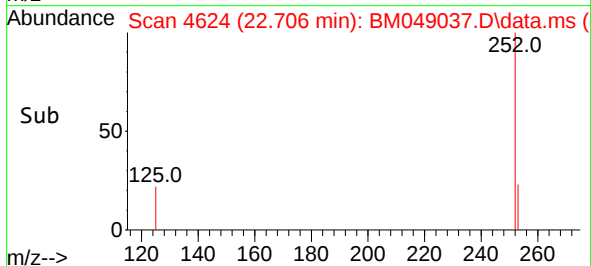
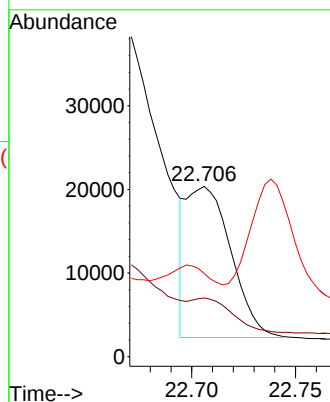
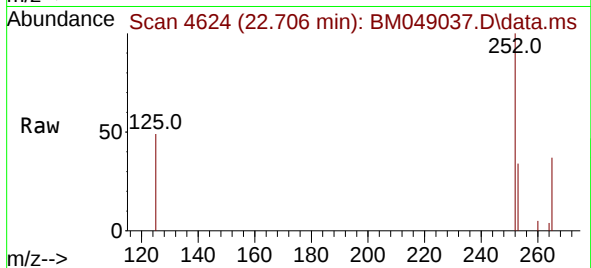
Tgt Ion:252 Resp: 26973

Ion Ratio Lower Upper

252 100

253 34.5 20.5 30.7#

125 48.8 17.3 25.9#



#26

Benzo(a)pyrene

Concen: 0.386 ng/ul

RT: 23.215 min Scan# 4798

Delta R.T. -0.001 min

Lab File: BM049037.D

Acq: 18 Dec 2024 00:48

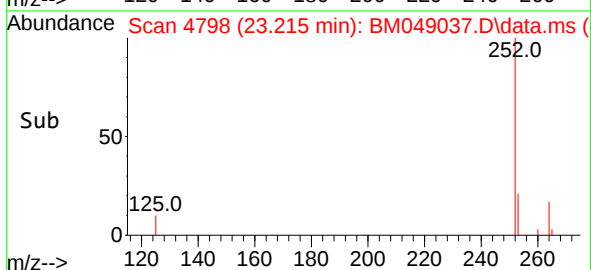
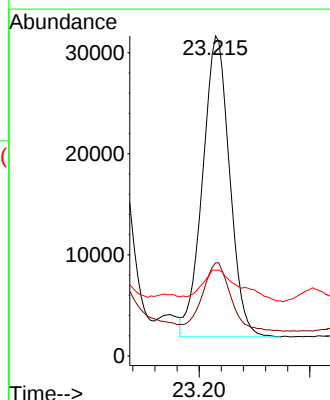
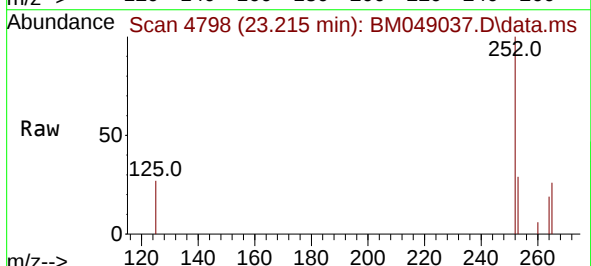
Tgt Ion:252 Resp: 50532

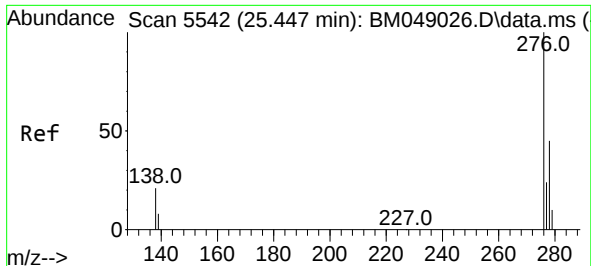
Ion Ratio Lower Upper

252 100

253 29.1 21.8 32.8

125 26.8 18.6 27.8

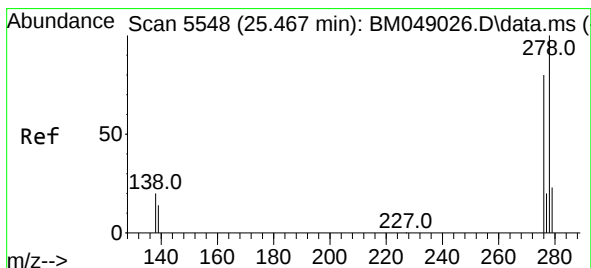
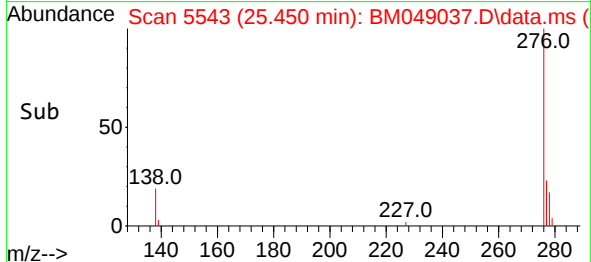
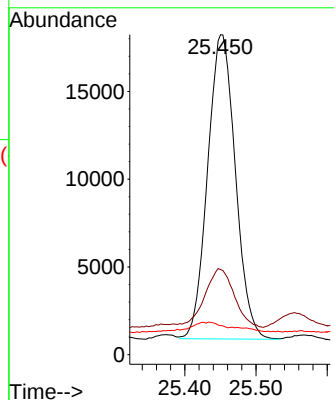
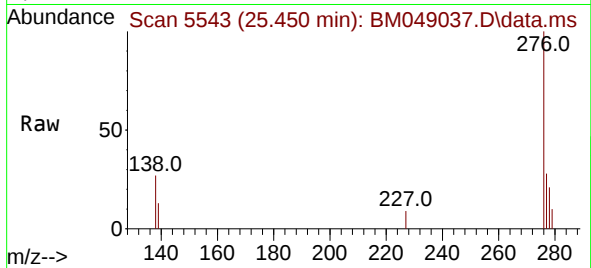




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.256 ng/ul
RT: 25.450 min Scan# 5543
Delta R.T. -0.004 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

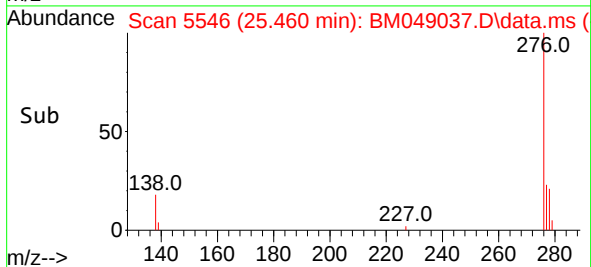
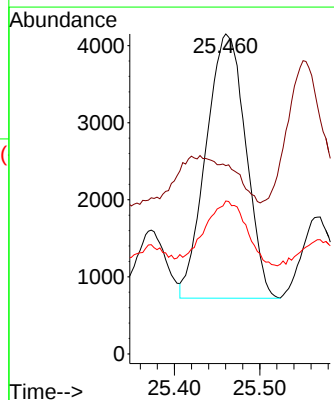
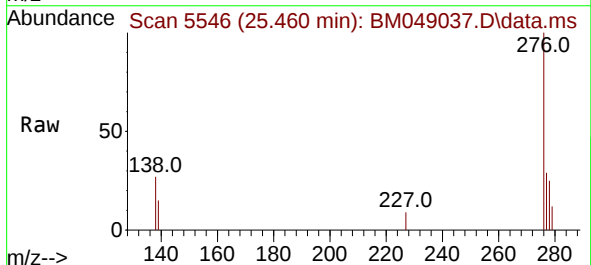
Instrument :
BNA_M
ClientSampleId :
E28T5

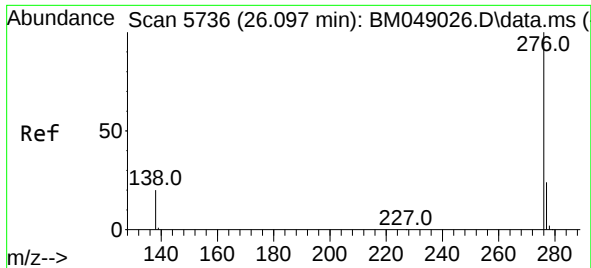
Tgt Ion:276 Resp: 46975
Ion Ratio Lower Upper
276 100
138 20.2 22.1 33.1#
227 5.0 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 0.077 ng/ul
RT: 25.460 min Scan# 5546
Delta R.T. -0.014 min
Lab File: BM049037.D
Acq: 18 Dec 2024 00:48

Tgt Ion:278 Resp: 11076
Ion Ratio Lower Upper
278 100
139 58.8 17.4 26.0#
279 47.8 21.1 31.7#





#29

Benzo(g,h,i)perylene

Concen: 0.346 ng/ul

RT: 26.107 min Scan# 51

Delta R.T. 0.009 min

Lab File: BM049037.D

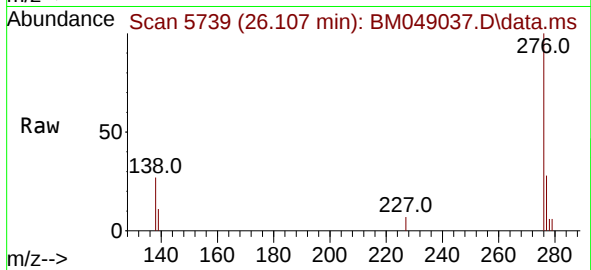
Acq: 18 Dec 2024 00:48

Instrument :

BNA_M

ClientSampleId :

E28T5



Tgt Ion:276 Resp: 51114

Ion Ratio Lower Upper

276 100

138 26.9 19.8 29.6

277 27.6 19.6 29.4

