

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049028.D
 Acq On : 17 Dec 2024 19:25
 Operator : RC/JU
 Sample : P5155-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T9

Quant Time: Dec 18 01:28:38 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)

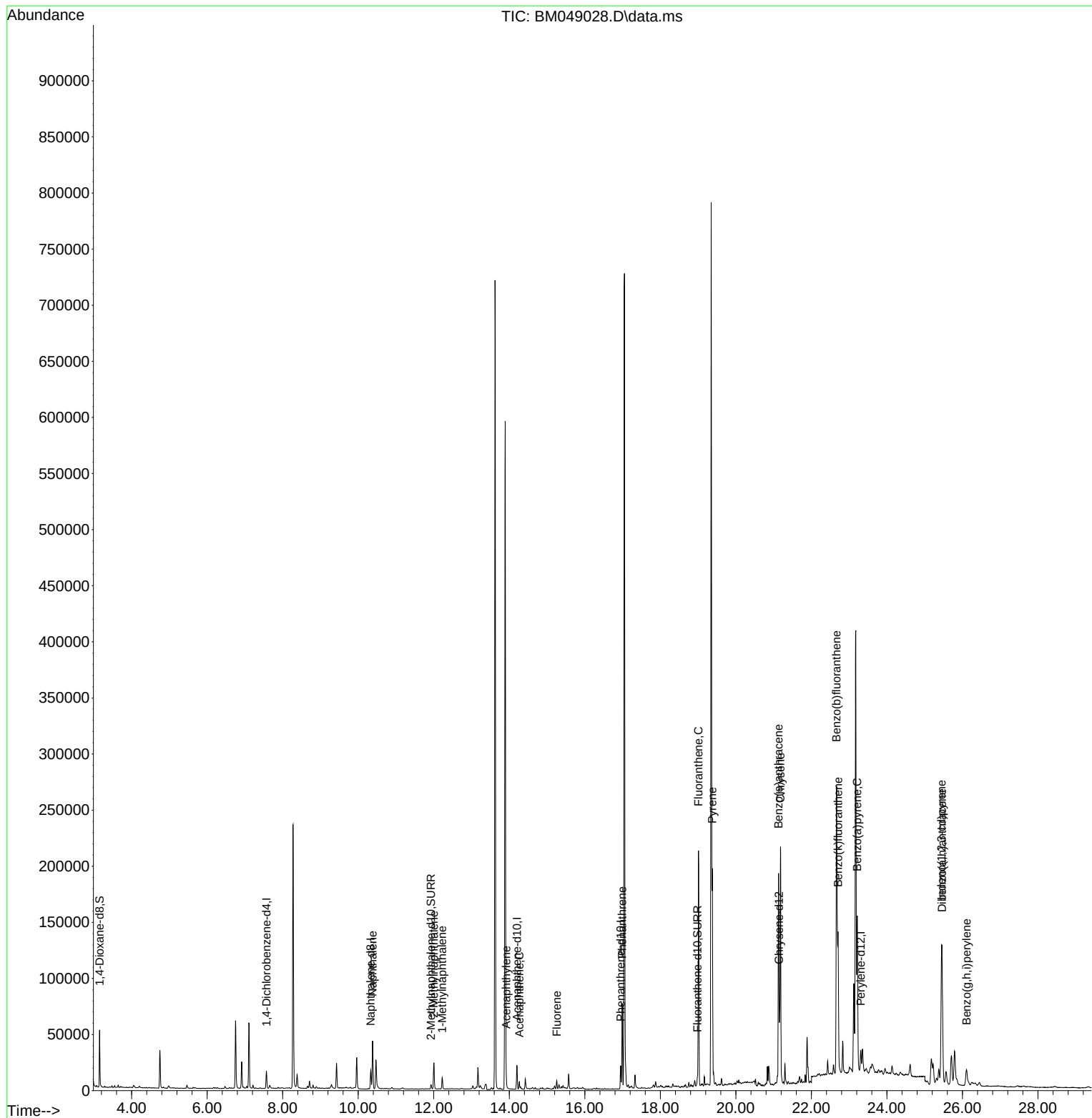
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	7165	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	20698	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.201	164	11019	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	23916m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	20619m	0.400	ng/ul	0.00
23) Perylene-d12	23.308	264	22046m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	27614	3.298	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	5178	0.196	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	9061m	0.147	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.381	128	50746	0.956	ng/ul	99
7) 2-Methylnaphthalene	12.003	142	17214	0.531	ng/ul	99
8) 1-Methylnaphthalene	12.223	142	7260	0.220	ng/ul	99
10) Acenaphthylene	13.919	152	5659	0.122	ng/ul#	93
11) Acenaphthene	14.266	153	4119	0.117	ng/ul	99
12) Fluorene	15.256	166	3944	0.101	ng/ul#	93
15) Phenanthrene	16.989	178	77229m	1.178	ng/ul	
19) Fluoranthene	19.011	202	180212m	2.108	ng/ul	
20) Pyrene	19.374	202	163152m	1.770	ng/ul	
21) Benzo(a)anthracene	21.131	228	153438m	2.115	ng/ul	
22) Chrysene	21.181	228	209803m	2.556	ng/ul	
24) Benzo(b)fluoranthene	22.665	252	381160m	5.003	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	143988m	1.634	ng/ul	
26) Benzo(a)pyrene	23.215	252	177466m	2.519	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.450	276	184977m	1.869	ng/ul	
28) Dibenzo(a,h)anthracene	25.460	278	53688m	0.697	ng/ul	
29) Benzo(g,h,i)perylene	26.108	276	30714m	0.386	ng/ul	

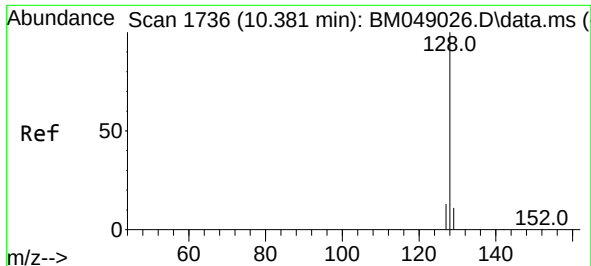
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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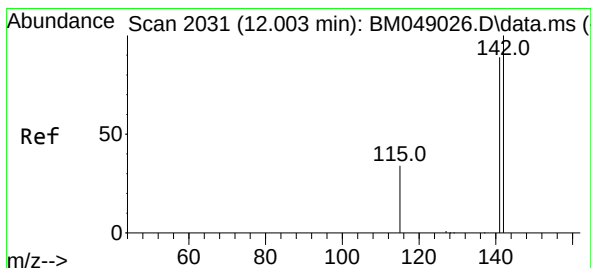
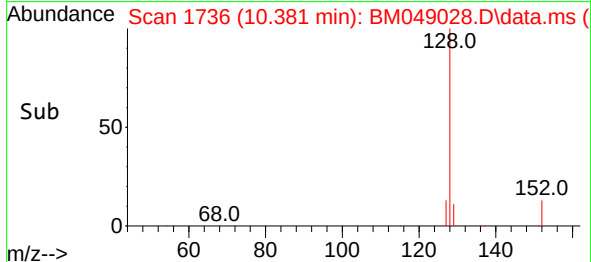
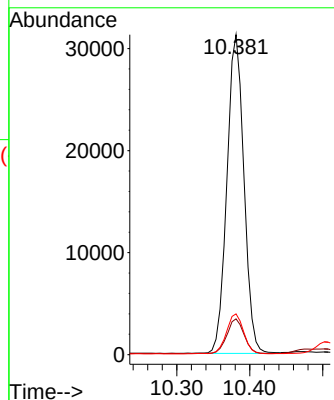
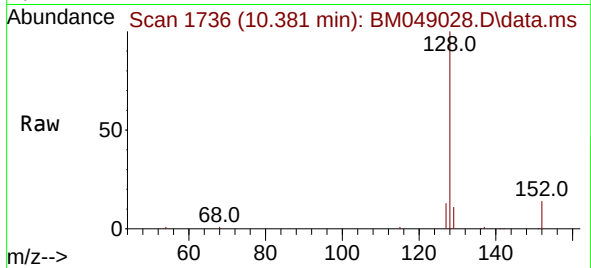




#5
Naphthalene
Concen: 0.956 ng/ul
RT: 10.381 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

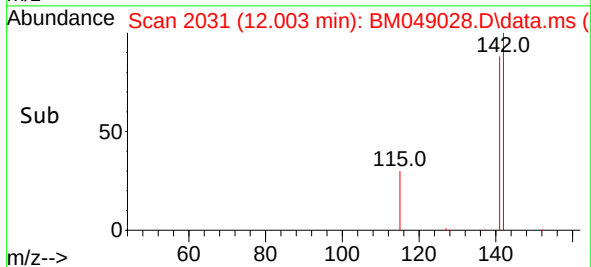
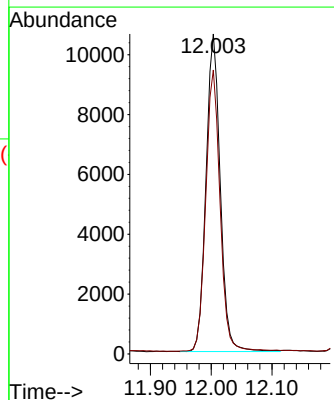
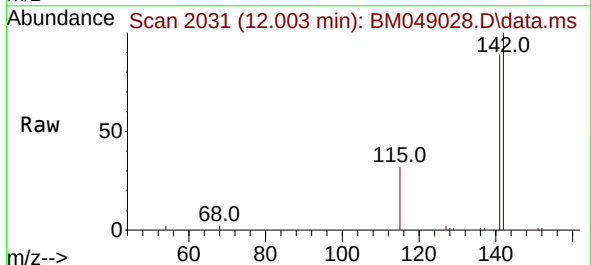
Instrument :
BNA_M
ClientSampleId :
E28T9

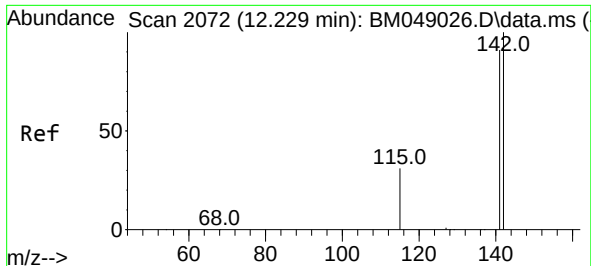
Tgt Ion:128 Resp: 50746
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 12.8 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.531 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. -0.004 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:142 Resp: 17214
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8

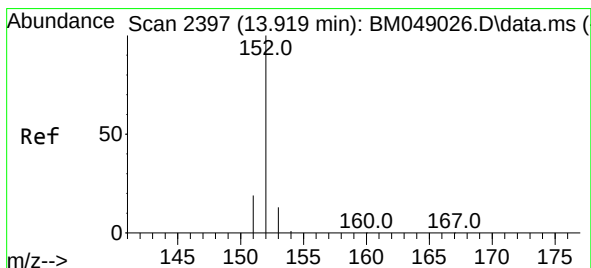
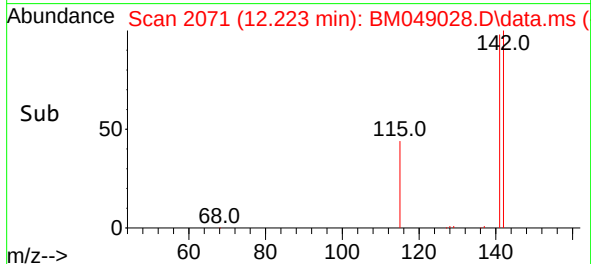
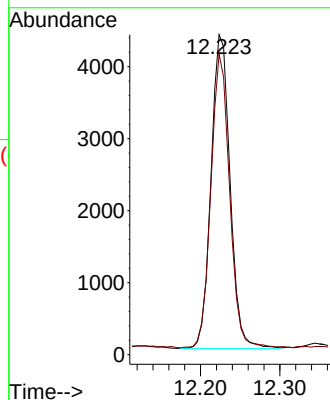
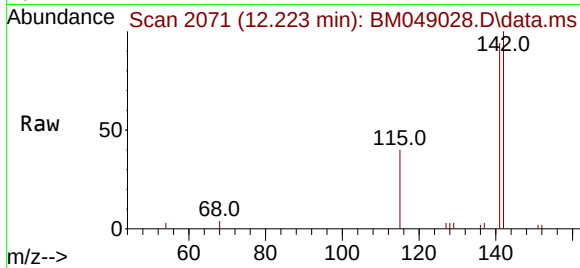




#8
1-Methylnaphthalene
Concen: 0.220 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. -0.004 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

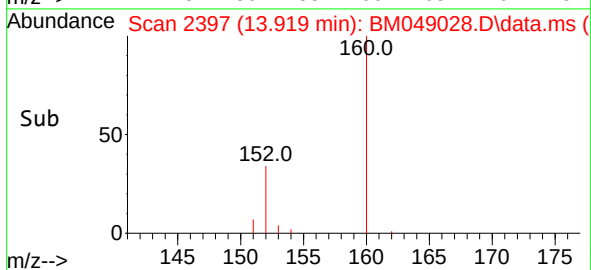
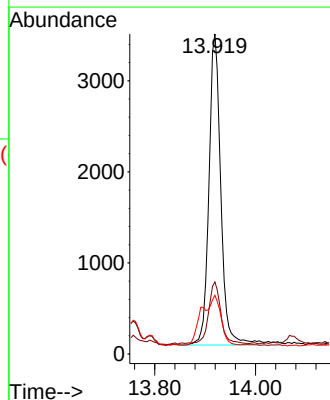
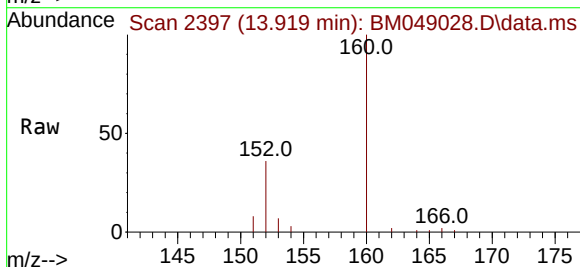
Instrument :
BNA_M
ClientSampleId :
E28T9

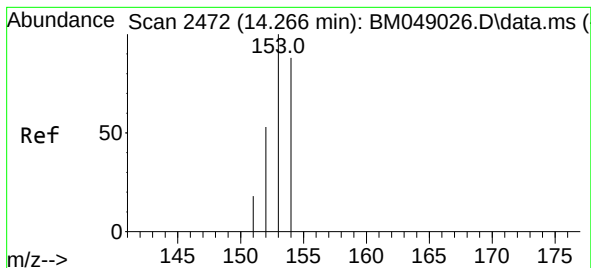
Tgt Ion:142 Resp: 7260
Ion Ratio Lower Upper
142 100
141 91.9 72.8 109.2



#10
Acenaphthylene
Concen: 0.122 ng/ul
RT: 13.919 min Scan# 2397
Delta R.T. -0.003 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:152 Resp: 5659
Ion Ratio Lower Upper
152 100
151 22.5 16.3 24.5
153 18.3 11.2 16.8#





#11

Acenaphthene

Concen: 0.117 ng/ul

RT: 14.266 min Scan# 2472

Delta R.T. -0.003 min

Lab File: BM049028.D

Acq: 17 Dec 2024 19:25

Instrument :

BNA_M

ClientSampleId :

E28T9

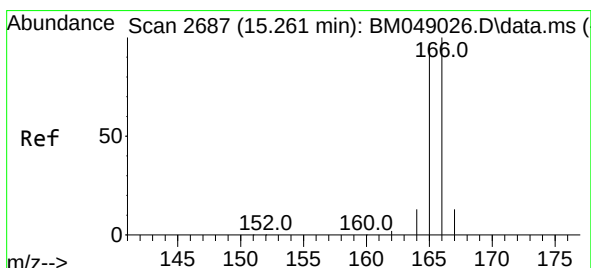
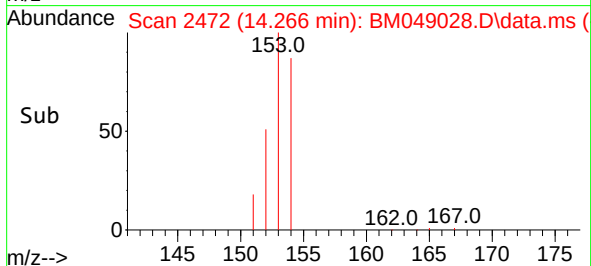
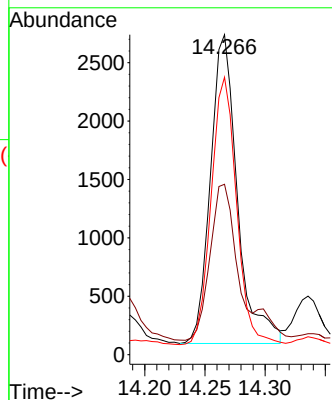
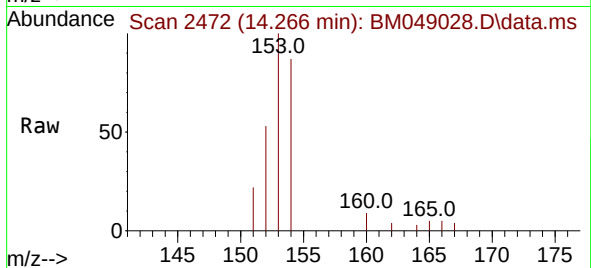
Tgt Ion:153 Resp: 4119

Ion Ratio Lower Upper

153 100

152 53.3 43.5 65.3

154 86.7 69.5 104.3



#12

Fluorene

Concen: 0.101 ng/ul

RT: 15.256 min Scan# 2686

Delta R.T. -0.008 min

Lab File: BM049028.D

Acq: 17 Dec 2024 19:25

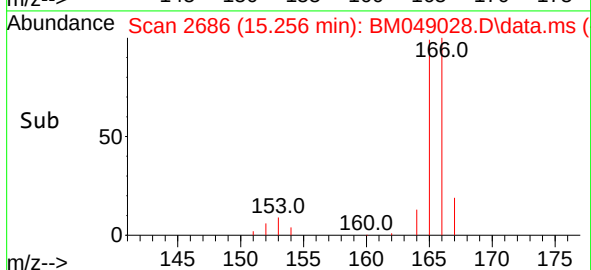
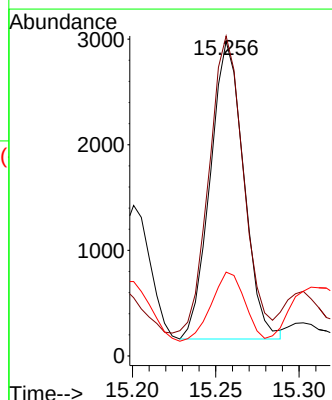
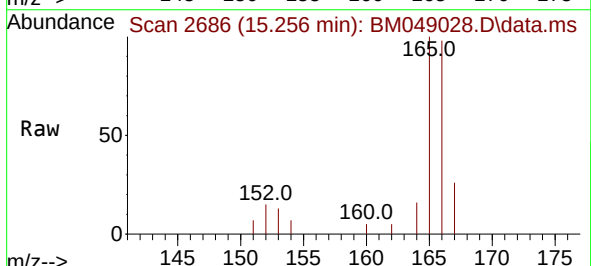
Tgt Ion:166 Resp: 3944

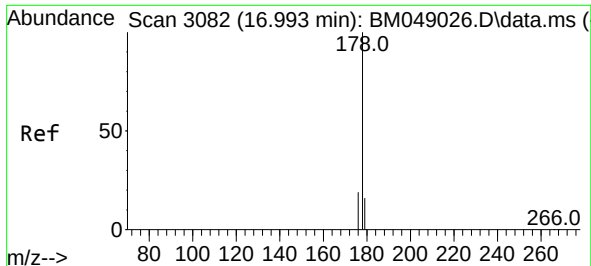
Ion Ratio Lower Upper

166 100

165 101.7 78.1 117.1

167 26.6 11.6 17.4#

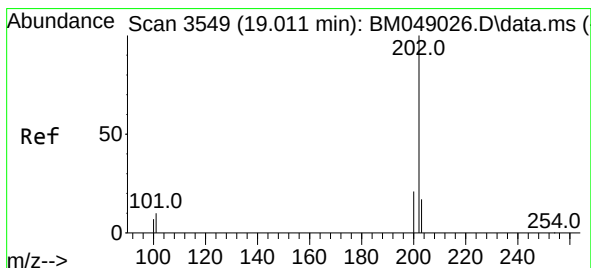
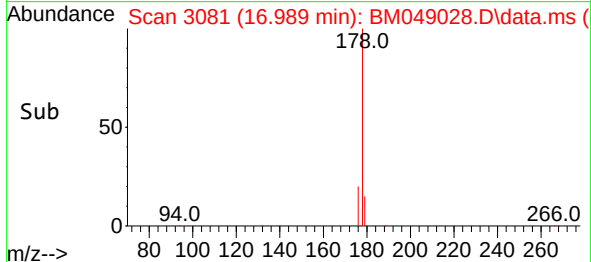
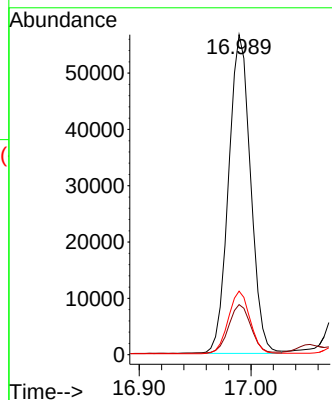
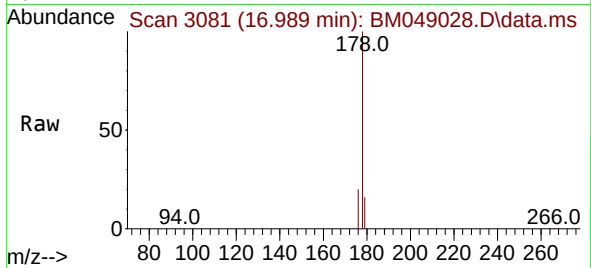




#15
Phenanthrene
Concen: 1.178 ng/ul m
RT: 16.989 min Scan# 3081
Delta R.T. -0.007 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

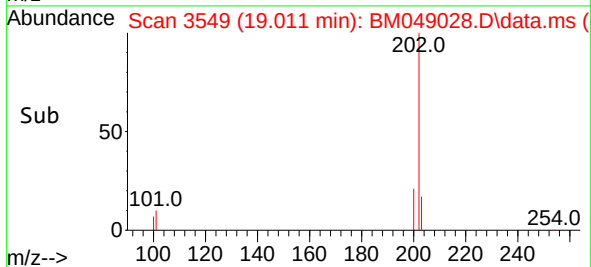
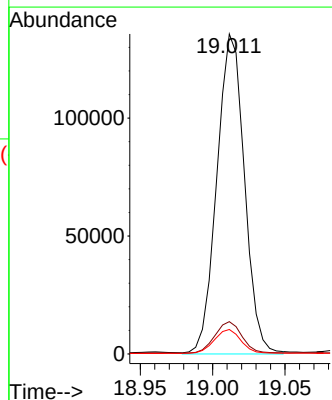
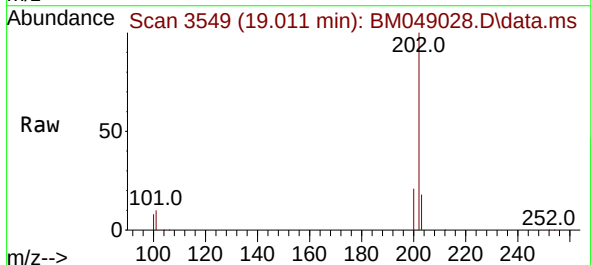
Instrument :
BNA_M
ClientSampleId :
E28T9

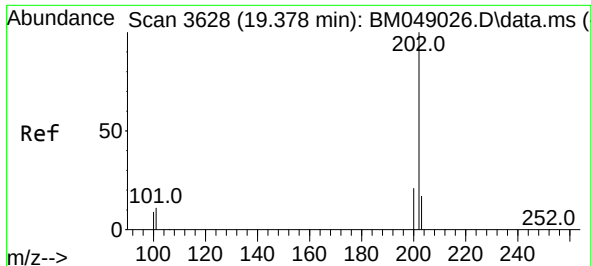
Tgt Ion:178 Resp: 77229
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 19.9 15.8 23.8



#19
Fluoranthene
Concen: 2.108 ng/ul m
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:202 Resp: 180212
Ion Ratio Lower Upper
202 100
101 10.1 9.7 14.5
100 7.6 7.3 10.9

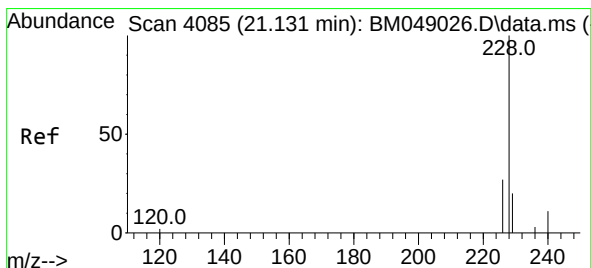
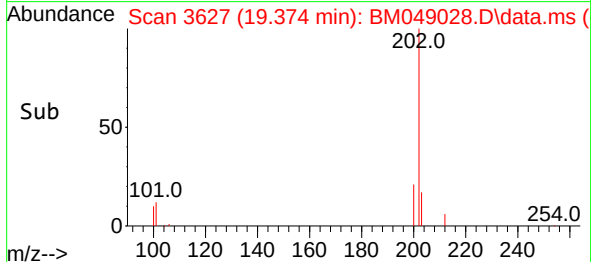
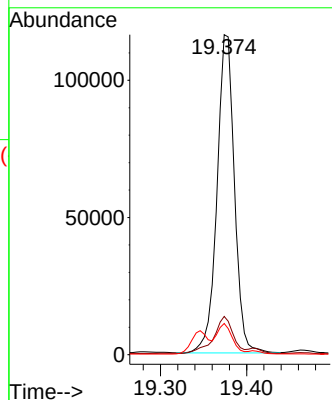
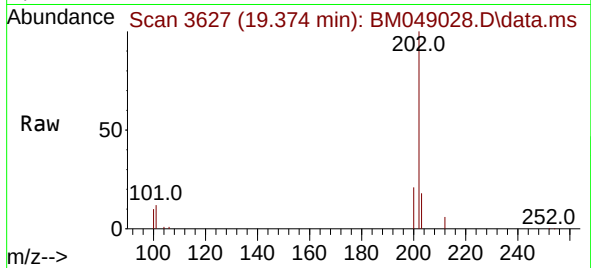




#20
Pyrene
Concen: 1.770 ng/ul m
RT: 19.374 min Scan# 3627
Delta R.T. -0.008 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

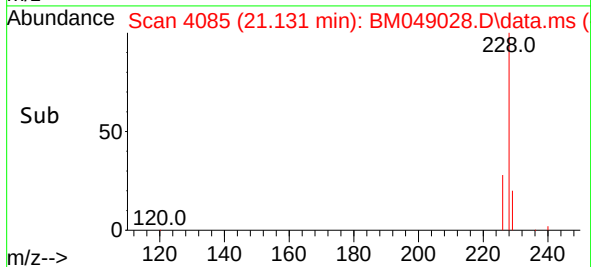
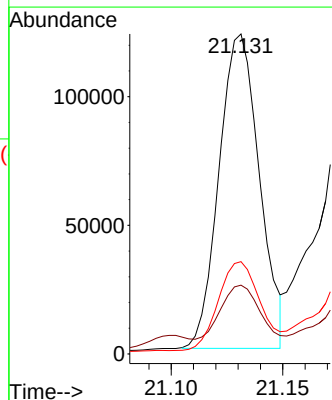
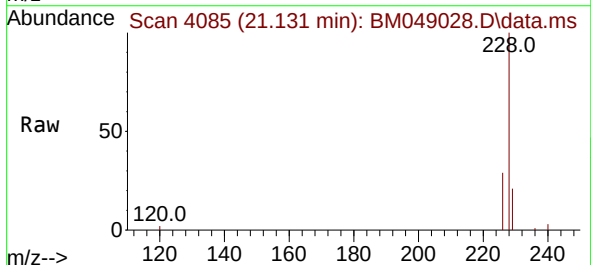
Instrument :
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ClientSampleId :
E28T9

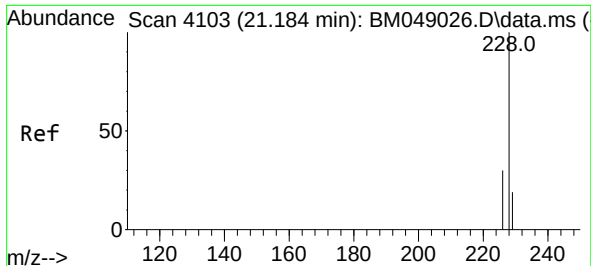
Tgt Ion:202 Resp: 163152
Ion Ratio Lower Upper
202 100
101 12.0 10.6 16.0
100 9.7 8.4 12.6



#21
Benzo(a)anthracene
Concen: 2.115 ng/ul m
RT: 21.131 min Scan# 4085
Delta R.T. -0.003 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:228 Resp: 153438
Ion Ratio Lower Upper
228 100
229 21.5 15.7 23.5
226 28.9 23.0 34.4





#22

Chrysene

Concen: 2.556 ng/ul m

RT: 21.181 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM049028.D

Acq: 17 Dec 2024 19:25

Instrument :

BNA_M

ClientSampleId :

E28T9

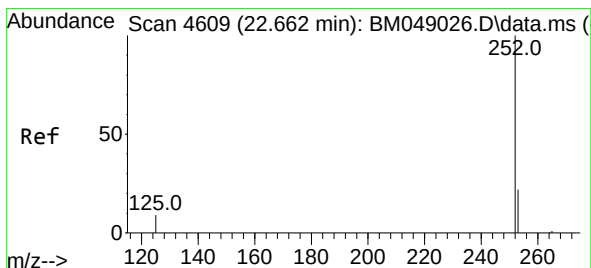
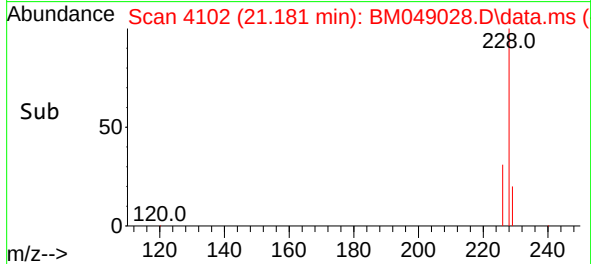
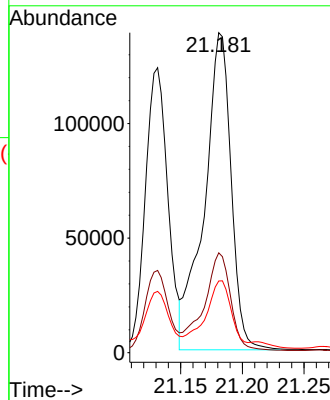
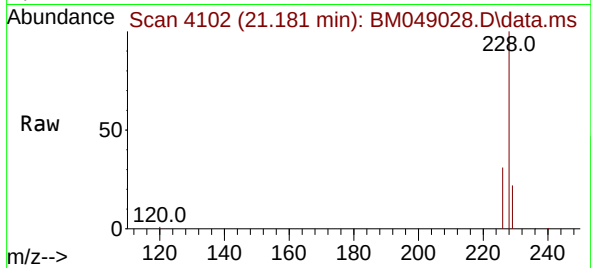
Tgt Ion:228 Resp: 209803

Ion Ratio Lower Upper

228 100

226 31.2 24.8 37.2

229 22.4 16.0 24.0



#24

Benzo(b)fluoranthene

Concen: 5.003 ng/ul m

RT: 22.665 min Scan# 4610

Delta R.T. -0.000 min

Lab File: BM049028.D

Acq: 17 Dec 2024 19:25

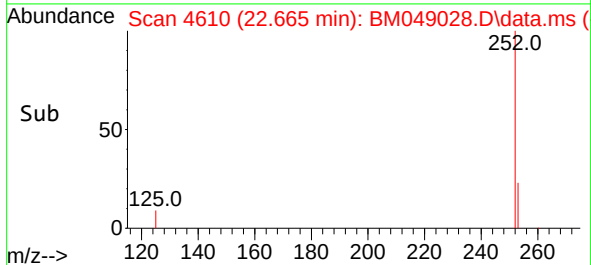
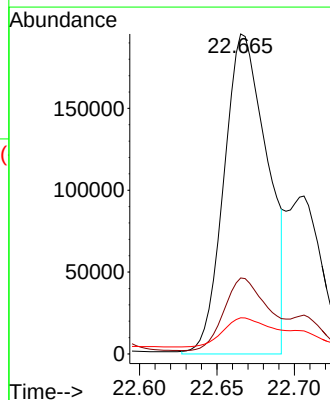
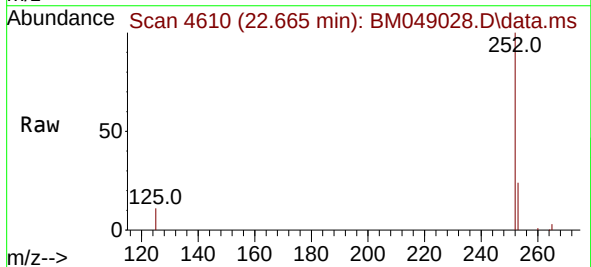
Tgt Ion:252 Resp: 381160

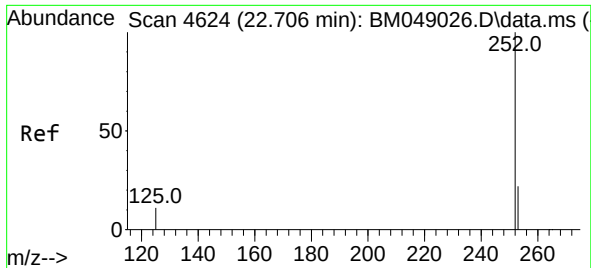
Ion Ratio Lower Upper

252 100

253 23.8 0.0 51.0

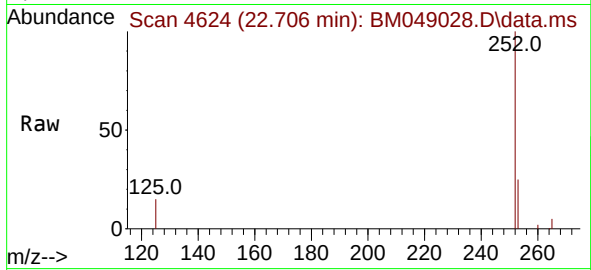
125 11.3 0.0 36.6



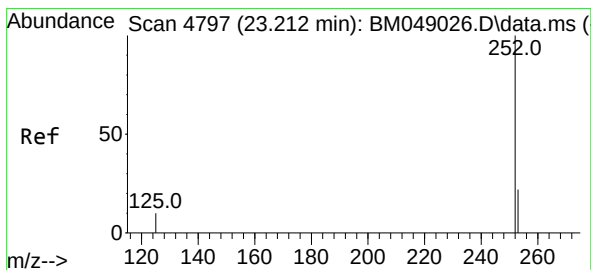
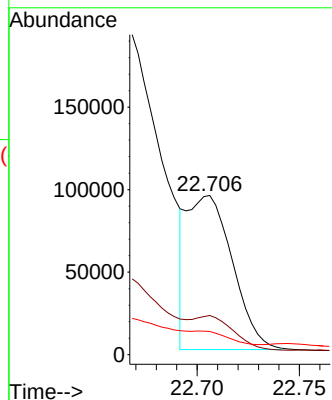


#25
Benzo(k)fluoranthene
Concen: 1.634 ng/ul m
RT: 22.706 min Scan# 4624
Delta R.T. -0.003 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Instrument :
BNA_M
ClientSampleId :
E28T9

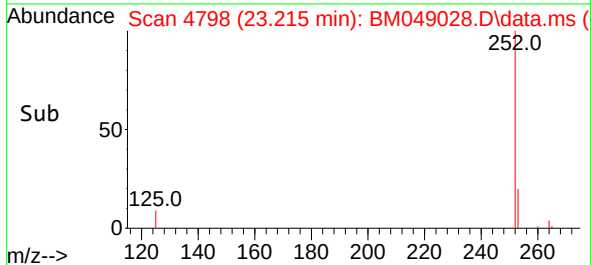
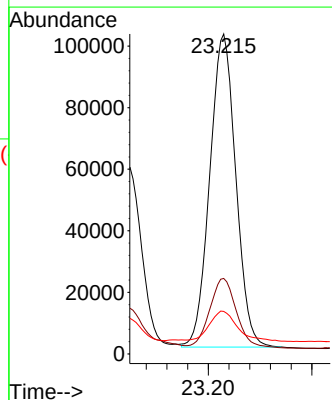
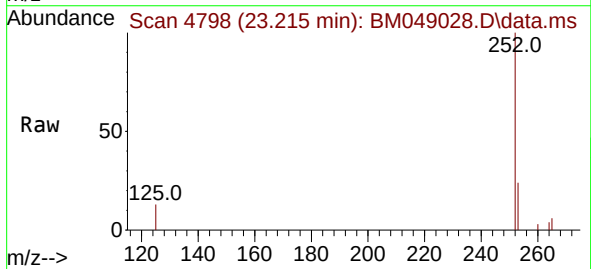


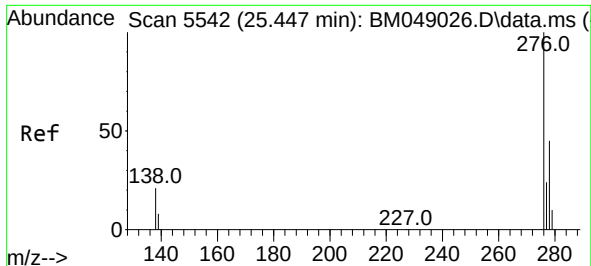
Tgt Ion:252 Resp: 143988
Ion Ratio Lower Upper
252 100
253 24.6 20.5 30.7
125 14.6 17.3 25.9#



#26
Benzo(a)pyrene
Concen: 2.519 ng/ul m
RT: 23.215 min Scan# 4798
Delta R.T. -0.000 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:252 Resp: 177466
Ion Ratio Lower Upper
252 100
253 23.6 21.8 32.8
125 13.3 18.6 27.8#

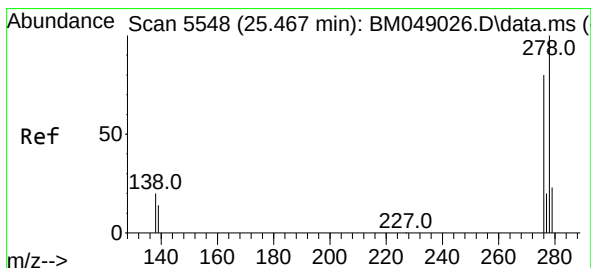
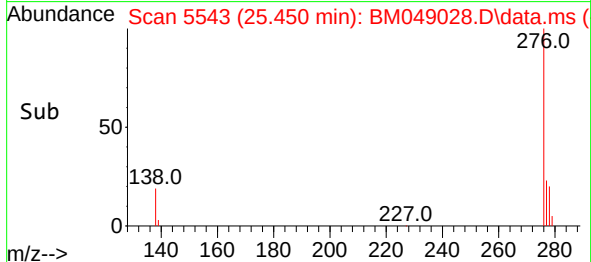
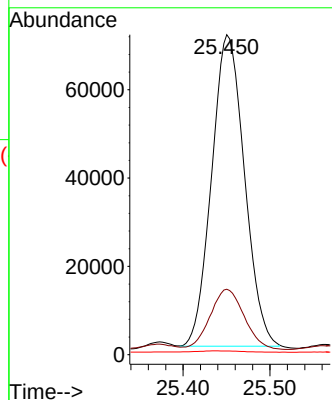
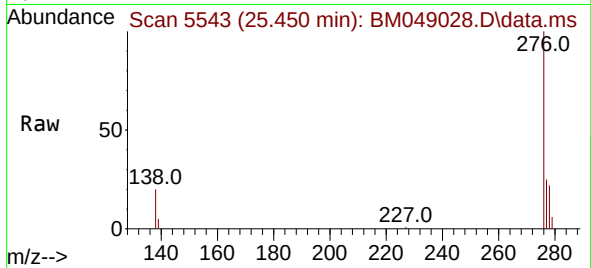




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.869 ng/ul m
RT: 25.450 min Scan# 5542
Delta R.T. -0.004 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

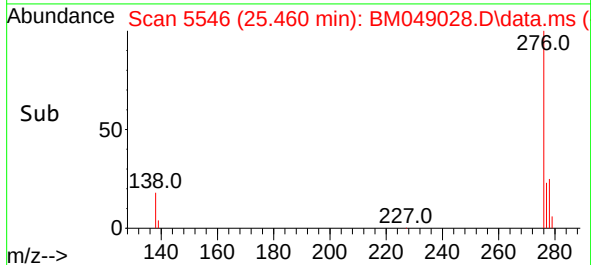
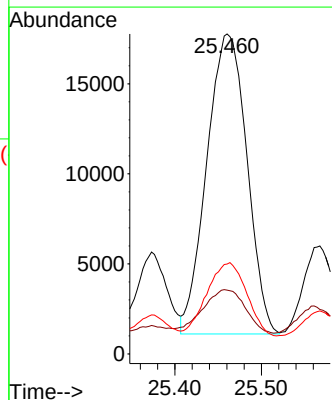
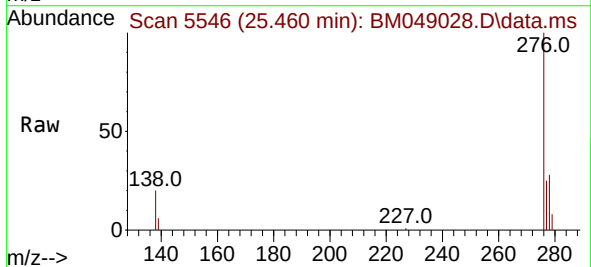
Instrument :
BNA_M
ClientSampleId :
E28T9

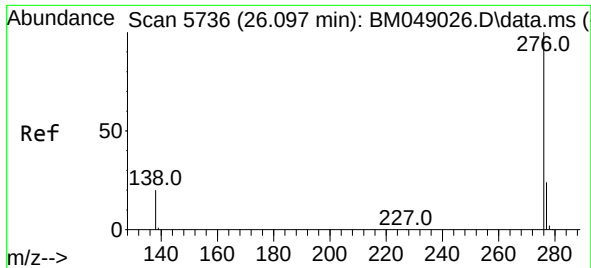
Tgt Ion:276 Resp: 184977
Ion Ratio Lower Upper
276 100
138 2.4 22.1 33.1#
227 0.0 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 0.697 ng/ul m
RT: 25.460 min Scan# 5546
Delta R.T. -0.014 min
Lab File: BM049028.D
Acq: 17 Dec 2024 19:25

Tgt Ion:278 Resp: 53688
Ion Ratio Lower Upper
278 100
139 20.0 17.4 26.0
279 28.1 21.1 31.7





#29

Benzo(g,h,i)perylene

Concen: 0.386 ng/ul m

RT: 26.108 min Scan# 51

Delta R.T. 0.010 min

Lab File: BM049028.D

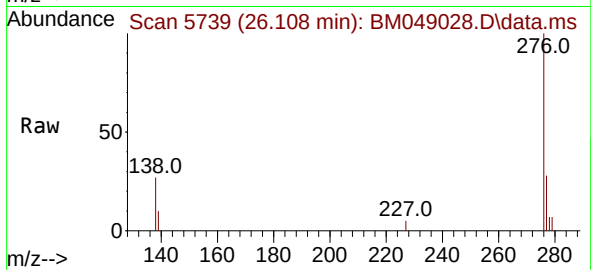
Acq: 17 Dec 2024 19:25

Instrument :

BNA_M

ClientSampleId :

E28T9



Tgt Ion:276 Resp: 30714

Ion Ratio Lower Upper

276 100

138 26.5 19.8 29.6

277 27.9 19.6 29.4

