

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049125.D
 Acq On : 21 Dec 2024 06:39
 Operator : RC/JU
 Sample : P5265-11DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z6DL

Quant Time: Dec 22 23:06:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

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

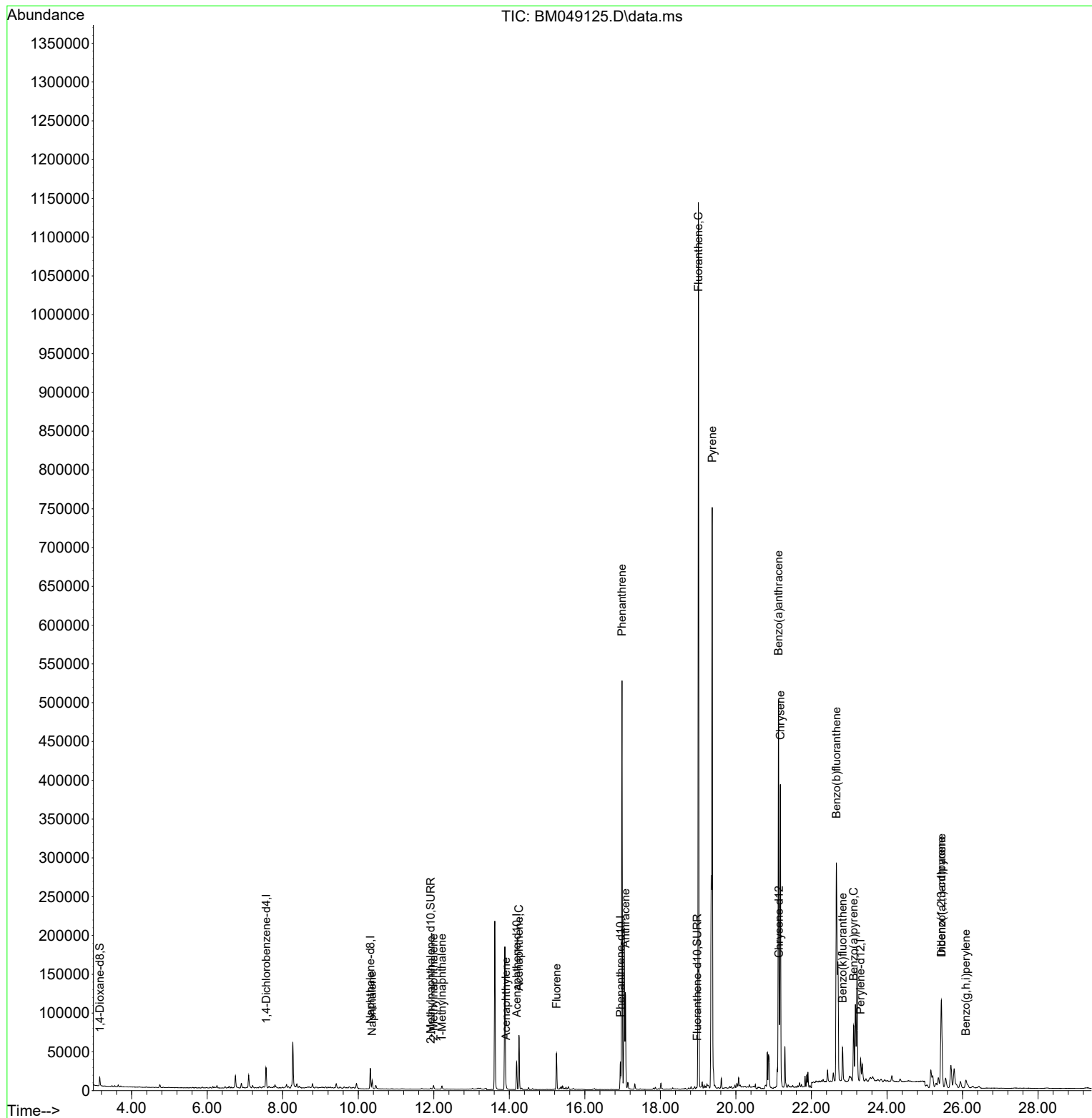
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	10831	0.400	ng/ul	0.00
4) Naphthalene-d8	10.319	136	34611	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.195	164	20127	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.942	188	42506	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	32939	0.400	ng/ul	0.00
23) Perylene-d12	23.300	264	36025	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	7595	0.608	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.920	152	1664	0.036	ng/ul	0.00
18) Fluoranthene-d10	18.978	212	2817	0.030	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.369	128	13867	0.160	ng/ul	98
7) 2-Methylnaphthalene	11.997	142	3691	0.067	ng/ul	100
8) 1-Methylnaphthalene	12.217	142	3022	0.054	ng/ul	99
10) Acenaphthylene	13.913	152	5740	0.069	ng/ul#	91
11) Acenaphthene	14.256	153	38905	0.639	ng/ul	100
12) Fluorene	15.250	166	30154	0.439	ng/ul	98
15) Phenanthrene	16.984	178	541184	4.875	ng/ul	98
16) Anthracene	17.072	178	124633	1.223	ng/ul	100
19) Fluoranthene	19.005	202	956991	8.036	ng/ul	100
20) Pyrene	19.373	202	657402	5.176	ng/ul	98
21) Benzo(a)anthracene	21.126	228	405667	3.541	ng/ul	99
22) Chrysene	21.178	228	352019	2.863	ng/ul	98
24) Benzo(b)fluoranthene	22.660	252	619121	5.379	ng/ul	91
25) Benzo(k)fluoranthene	22.823	252	52644	0.417	ng/ul	95
26) Benzo(a)pyrene	23.116	252	91537	0.829	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.437	276	162088	1.038	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.444	278	50526	0.416	ng/ul	98
29) Benzo(g,h,i)perylene	26.091	276	22668	0.180	ng/ul	93

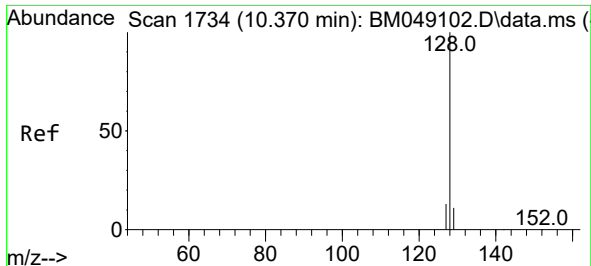
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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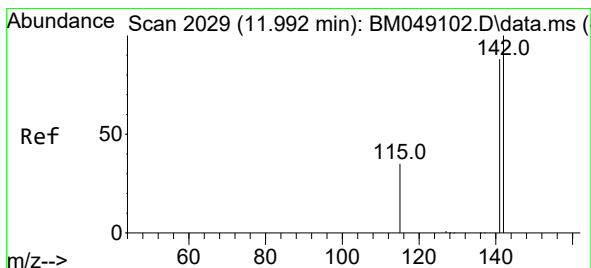
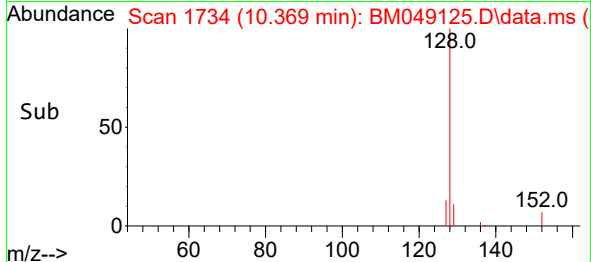
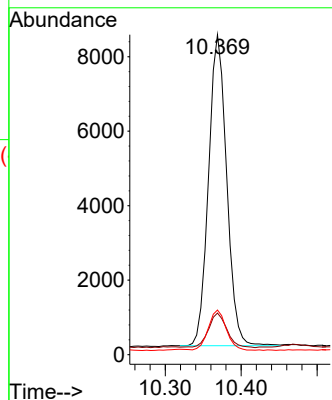
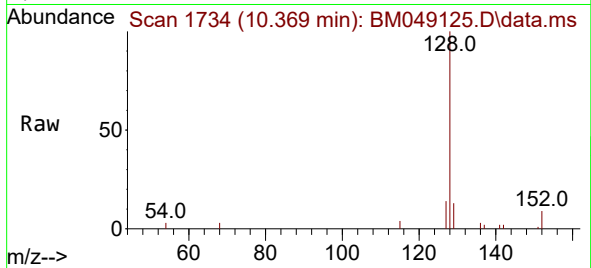




#5
Naphthalene
Concen: 0.160 ng/ul
RT: 10.369 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

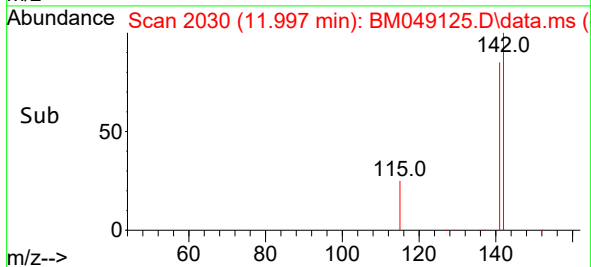
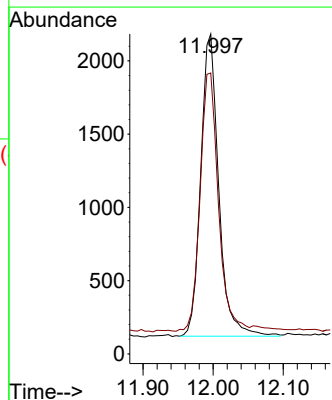
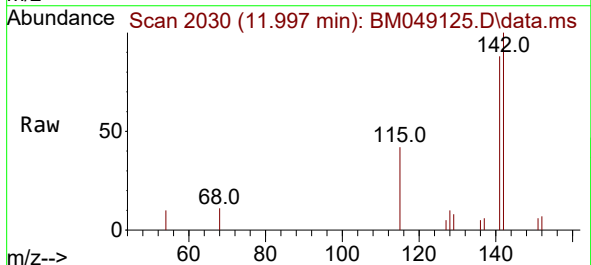
Instrument :
BNA_M
ClientSampleId :
E28Z6DL

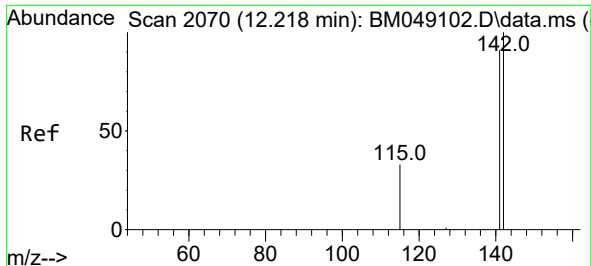
Tgt Ion:128 Resp: 13867
Ion Ratio Lower Upper
128 100
129 13.0 9.7 14.5
127 13.9 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 11.997 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Tgt Ion:142 Resp: 3691
Ion Ratio Lower Upper
142 100
141 89.1 71.7 107.5

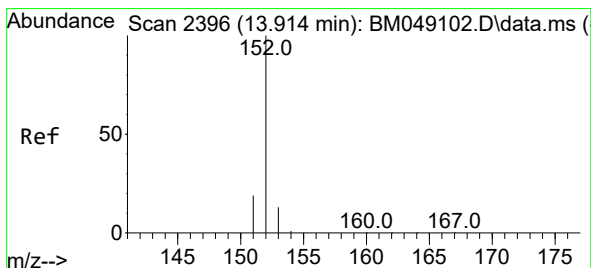
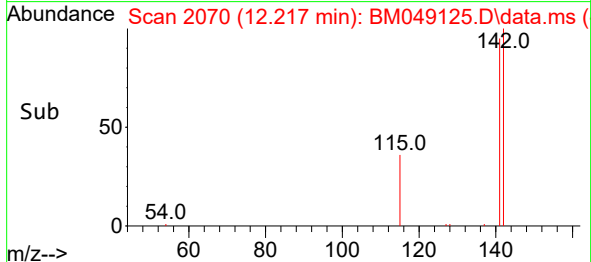
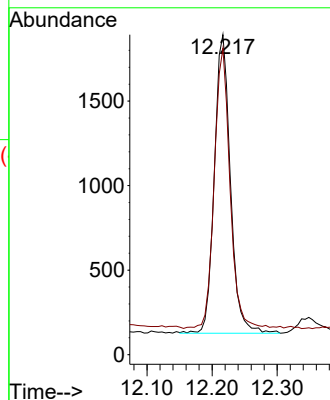
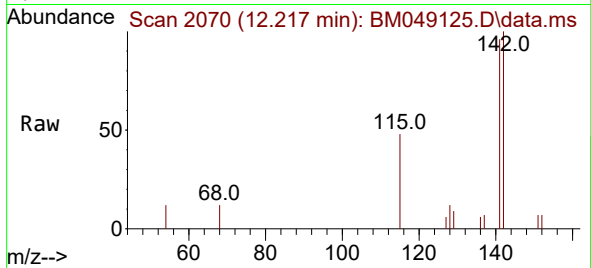




#8
1-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.217 min Scan# 2070
Delta R.T. -0.005 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

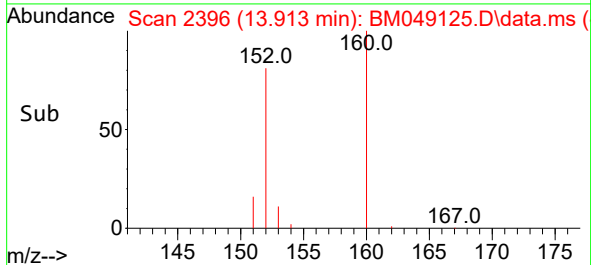
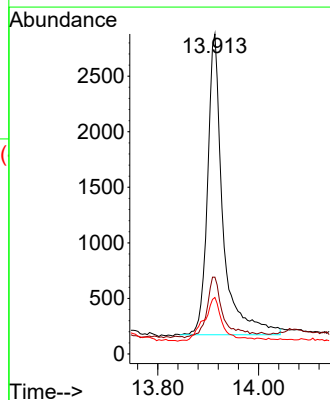
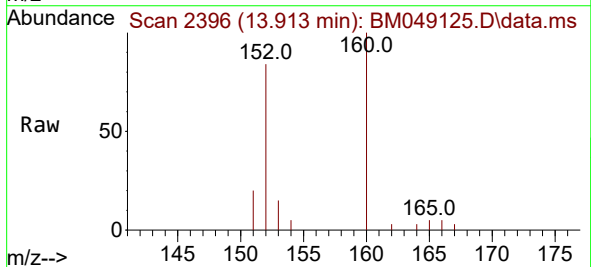
Instrument :
BNA_M
ClientSampleId :
E28Z6DL

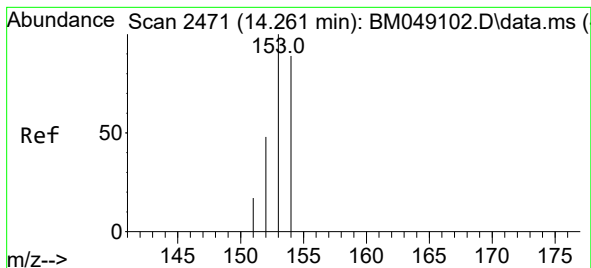
Tgt Ion:142 Resp: 3022
Ion Ratio Lower Upper
142 100
141 92.1 72.7 109.1



#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 13.913 min Scan# 2396
Delta R.T. -0.005 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Tgt Ion:152 Resp: 5740
Ion Ratio Lower Upper
152 100
151 24.0 16.0 24.0#
153 17.6 11.0 16.6#





#11

Acenaphthene

Concen: 0.639 ng/ul

RT: 14.256 min Scan# 2470

Delta R.T. -0.009 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

Instrument :

BNA_M

ClientSampleId :

E28Z6DL

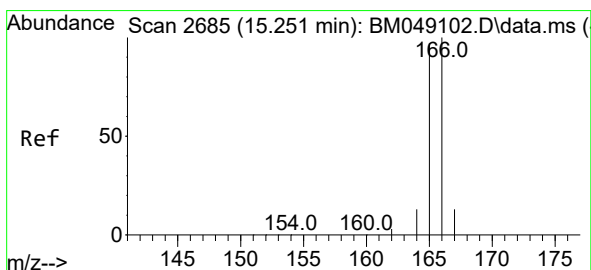
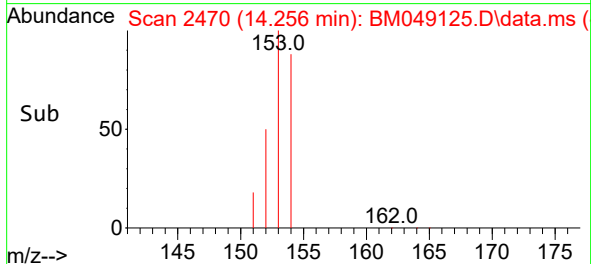
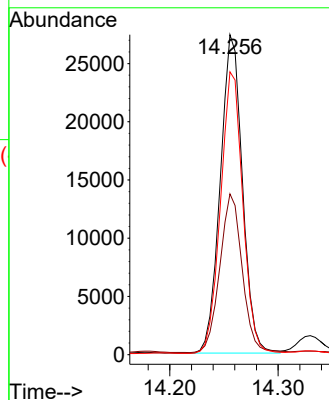
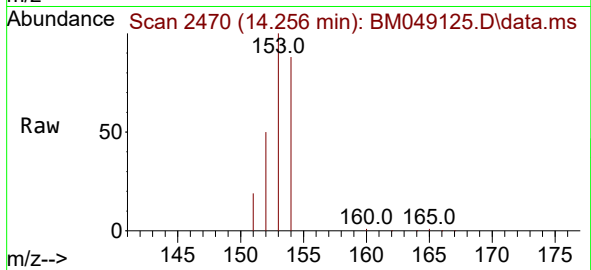
Tgt Ion:153 Resp: 38905

Ion Ratio Lower Upper

153 100

152 50.3 40.7 61.1

154 88.4 70.8 106.2



#12

Fluorene

Concen: 0.439 ng/ul

RT: 15.250 min Scan# 2685

Delta R.T. -0.005 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

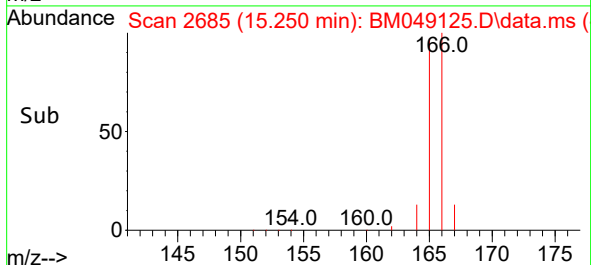
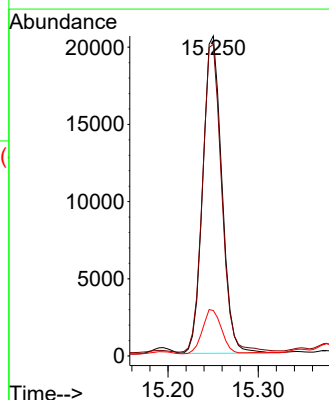
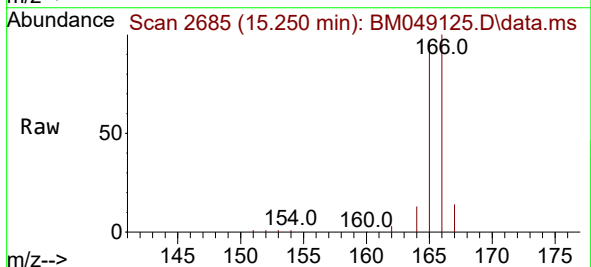
Tgt Ion:166 Resp: 30154

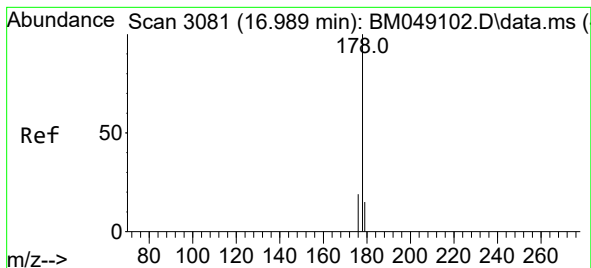
Ion Ratio Lower Upper

166 100

165 97.3 79.7 119.5

167 14.2 11.4 17.0





#15

Phenanthrene

Concen: 4.875 ng/ul

RT: 16.984 min Scan# 3081

Delta R.T. -0.008 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

Instrument :

BNA_M

ClientSampleId :

E28Z6DL

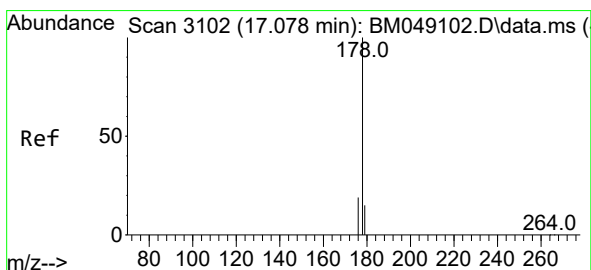
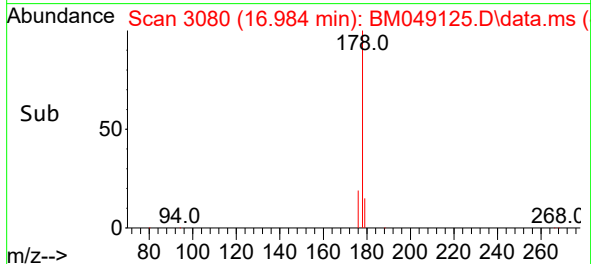
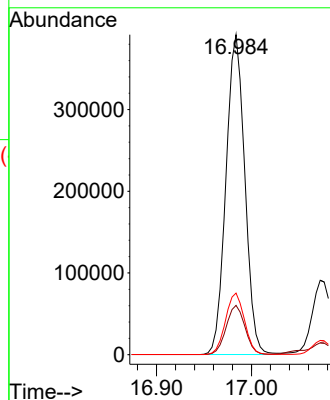
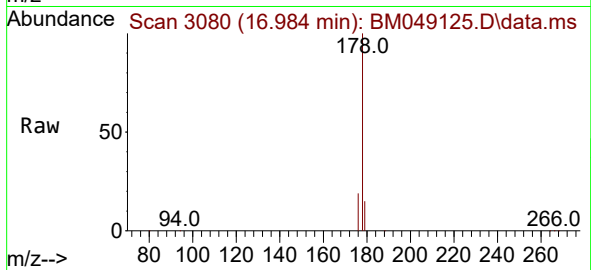
Tgt Ion:178 Resp: 541184

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.4

176 19.3 16.2 24.2



#16

Anthracene

Concen: 1.223 ng/ul

RT: 17.072 min Scan# 3101

Delta R.T. -0.013 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

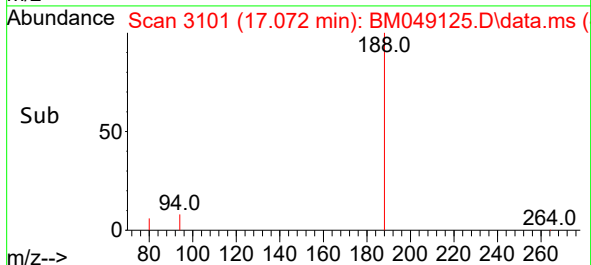
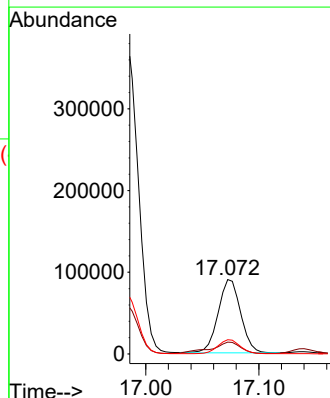
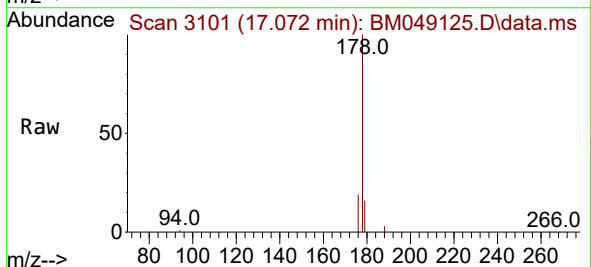
Tgt Ion:178 Resp: 124633

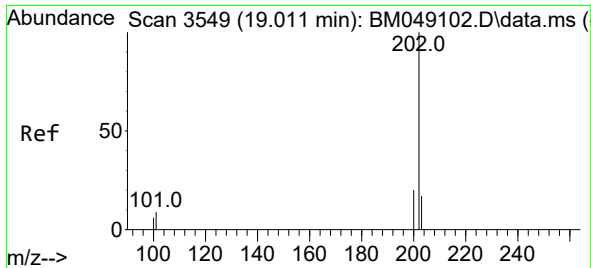
Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

176 19.1 15.3 22.9

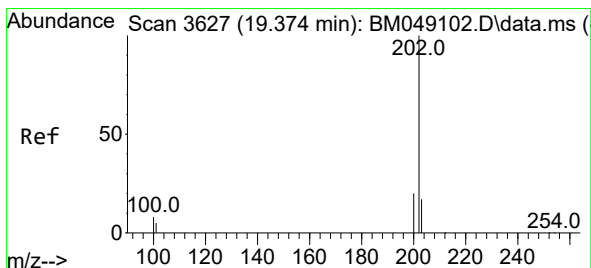
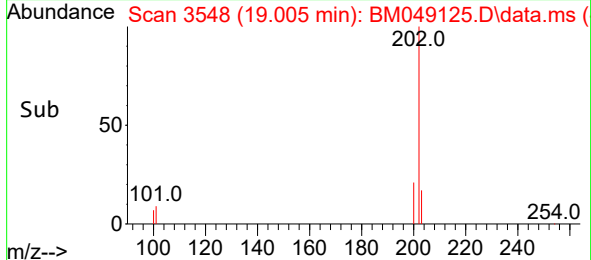
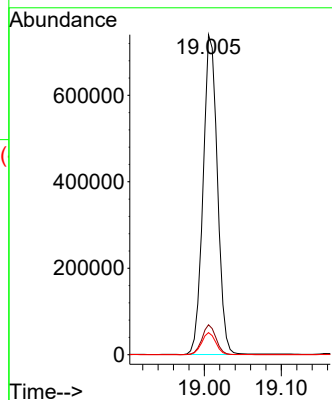
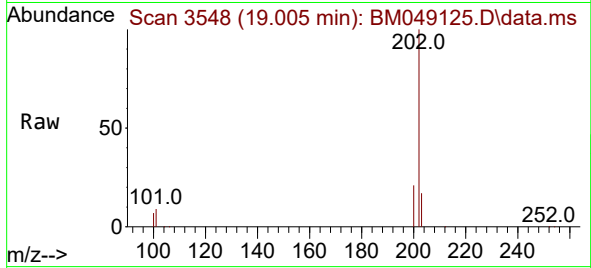




#19
Fluoranthene
Concen: 8.036 ng/ul
RT: 19.005 min Scan# 3549
Delta R.T. -0.009 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

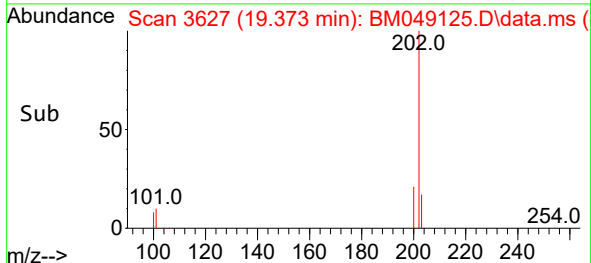
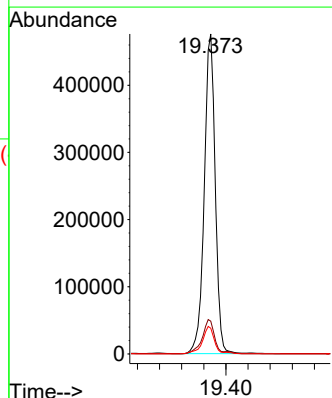
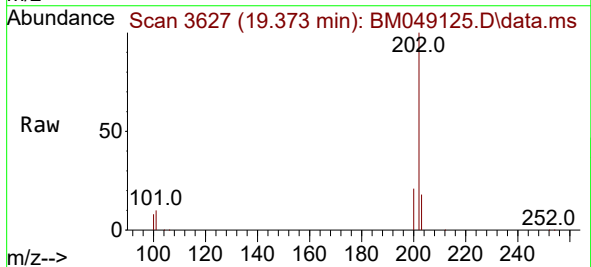
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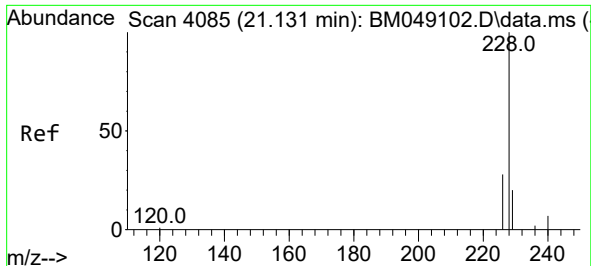
Tgt Ion:202 Resp: 956991
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
100 6.9 5.5 8.3



#20
Pyrene
Concen: 5.176 ng/ul
RT: 19.373 min Scan# 3627
Delta R.T. -0.005 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Tgt Ion:202 Resp: 657402
Ion Ratio Lower Upper
202 100
101 10.3 8.9 13.3
100 8.0 6.9 10.3

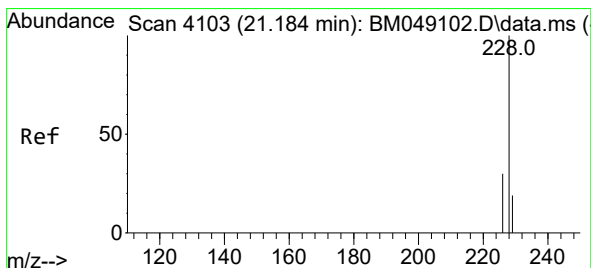
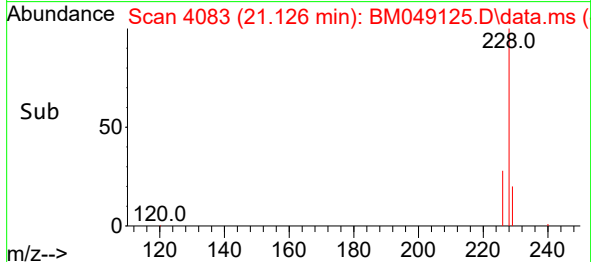
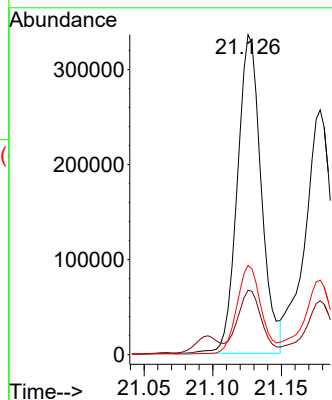
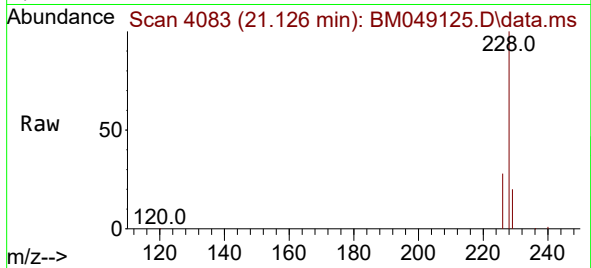




#21
Benzo(a)anthracene
Concen: 3.541 ng/ul
RT: 21.126 min Scan# 4083
Delta R.T. -0.006 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

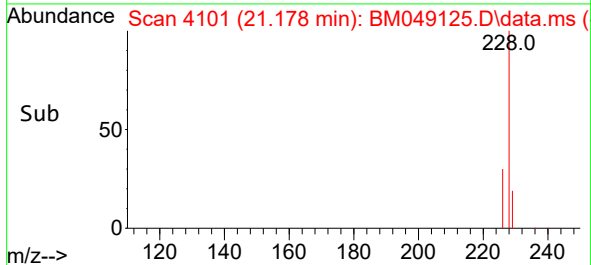
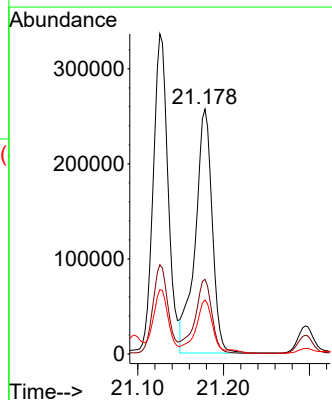
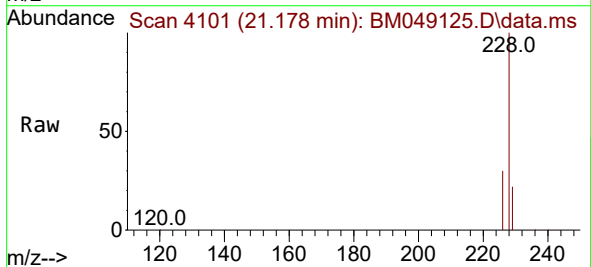
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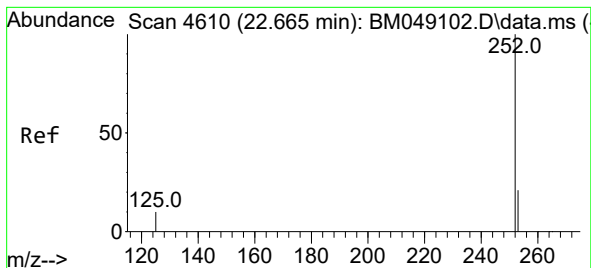
Tgt Ion:228 Resp: 405667
Ion Ratio Lower Upper
228 100
229 20.1 15.9 23.9
226 27.9 22.6 34.0



#22
Chrysene
Concen: 2.863 ng/ul
RT: 21.178 min Scan# 4101
Delta R.T. -0.006 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Tgt Ion:228 Resp: 352019
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 22.0 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 5.379 ng/ul

RT: 22.660 min Scan# 4608

Delta R.T. -0.003 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

Instrument :

BNA_M

ClientSampleId :

E28Z6DL

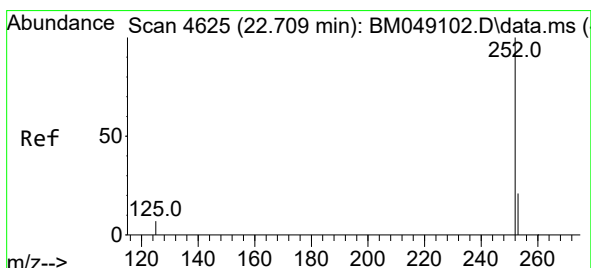
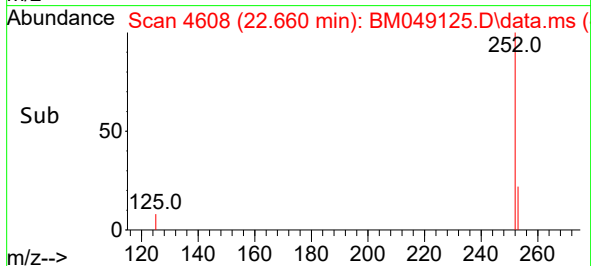
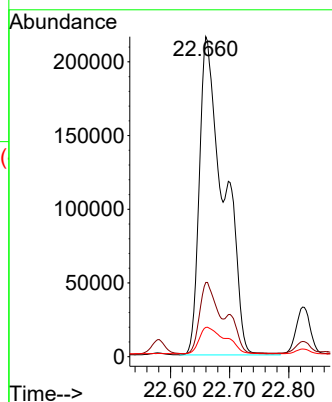
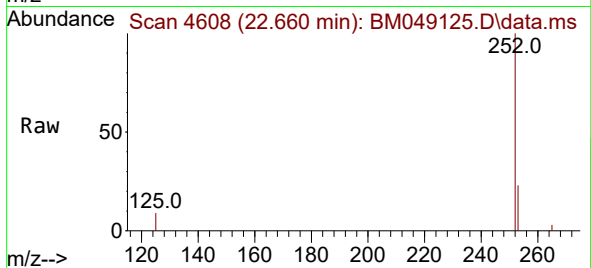
Tgt Ion:252 Resp: 619121

Ion Ratio Lower Upper

252 100

253 23.2 0.0 52.6

125 9.1 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.417 ng/ul

RT: 22.823 min Scan# 4664

Delta R.T. 0.117 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

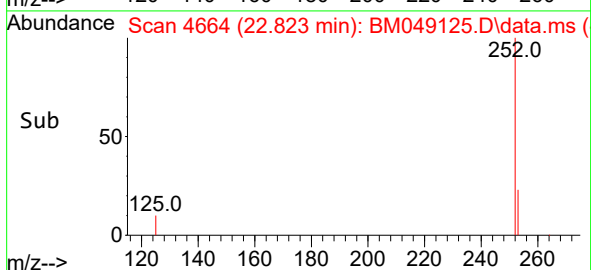
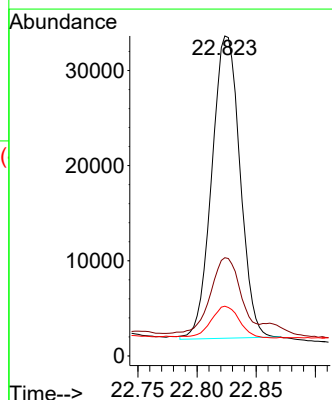
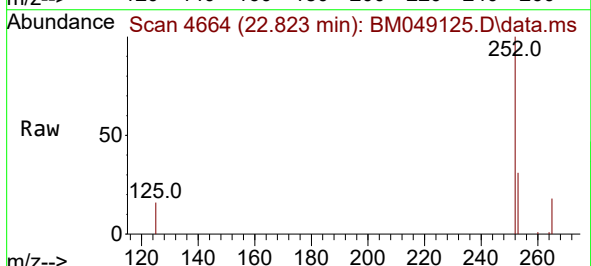
Tgt Ion:252 Resp: 52644

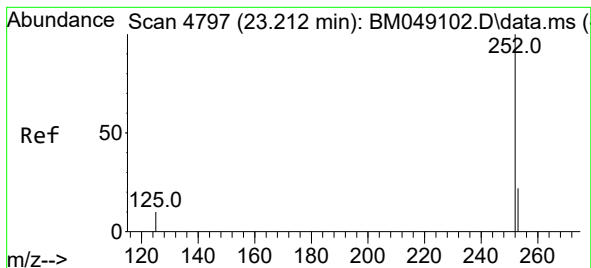
Ion Ratio Lower Upper

252 100

253 30.7 21.3 31.9

125 15.5 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.829 ng/ul

RT: 23.116 min Scan# 41

Delta R.T. -0.094 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

Instrument :

BNA_M

ClientSampleId :

E28Z6DL

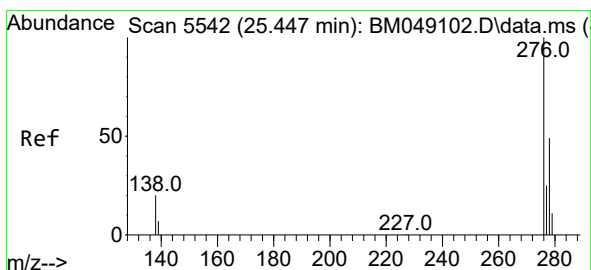
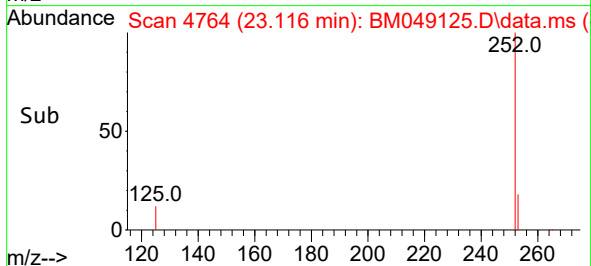
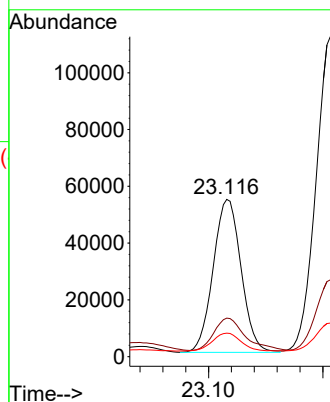
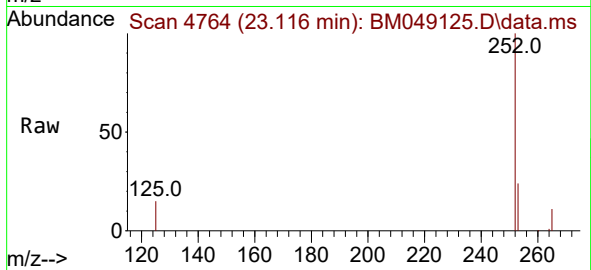
Tgt Ion:252 Resp: 91537

Ion Ratio Lower Upper

252 100

253 24.5 22.4 33.6

125 14.9 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.038 ng/ul

RT: 25.437 min Scan# 5539

Delta R.T. -0.010 min

Lab File: BM049125.D

Acq: 21 Dec 2024 06:39

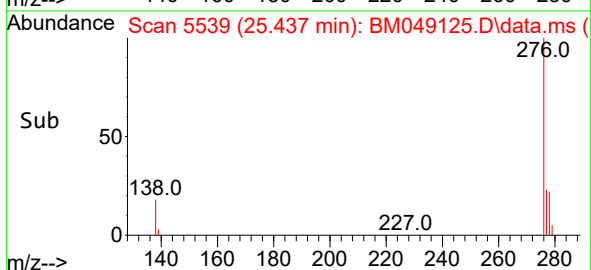
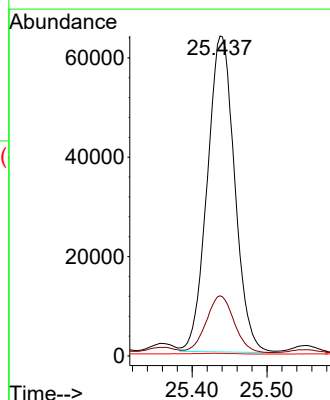
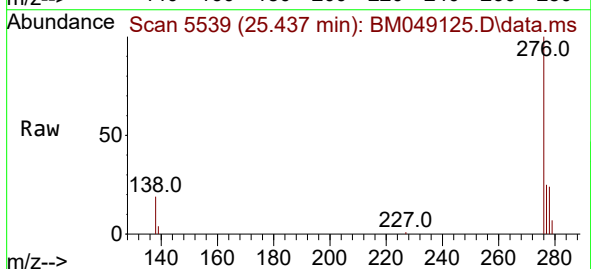
Tgt Ion:276 Resp: 162088

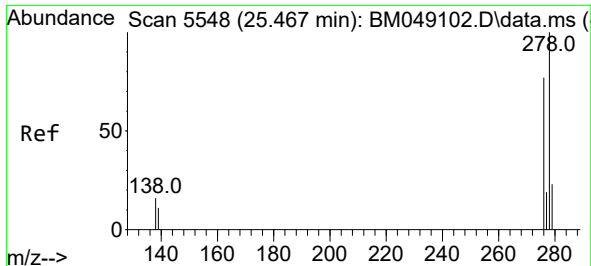
Ion Ratio Lower Upper

276 100

138 18.2 17.4 26.2

227 0.3 0.2 0.2#

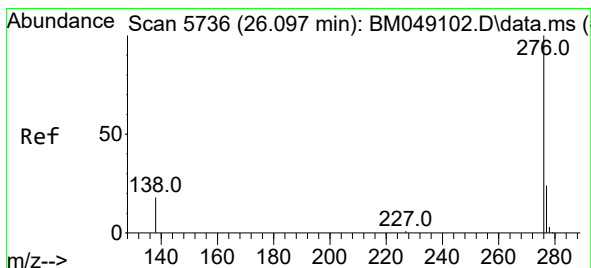
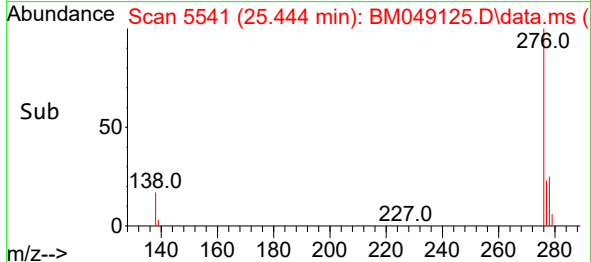
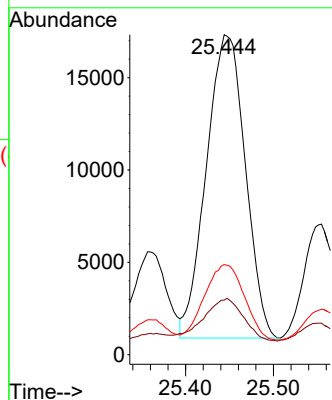
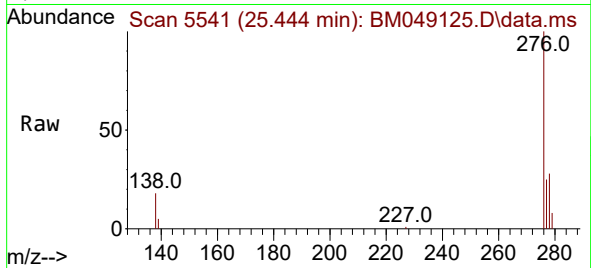




#28
Dibenzo(a,h)anthracene
Concen: 0.416 ng/ul
RT: 25.444 min Scan# 51
Delta R.T. -0.023 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Instrument :
BNA_M
ClientSampleId :
E28Z6DL

Tgt Ion:278 Resp: 50526
Ion Ratio Lower Upper
278 100
139 17.1 13.5 20.3
279 28.2 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.180 ng/ul
RT: 26.091 min Scan# 5734
Delta R.T. -0.003 min
Lab File: BM049125.D
Acq: 21 Dec 2024 06:39

Tgt Ion:276 Resp: 22668
Ion Ratio Lower Upper
276 100
138 24.3 16.7 25.1
277 28.4 19.9 29.9

