

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121824\
 Data File : BM049053.D
 Acq On : 18 Dec 2024 17:25
 Operator : RC/JU
 Sample : P5155-15DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28W0DL

Quant Time: Dec 19 01:29:02 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)

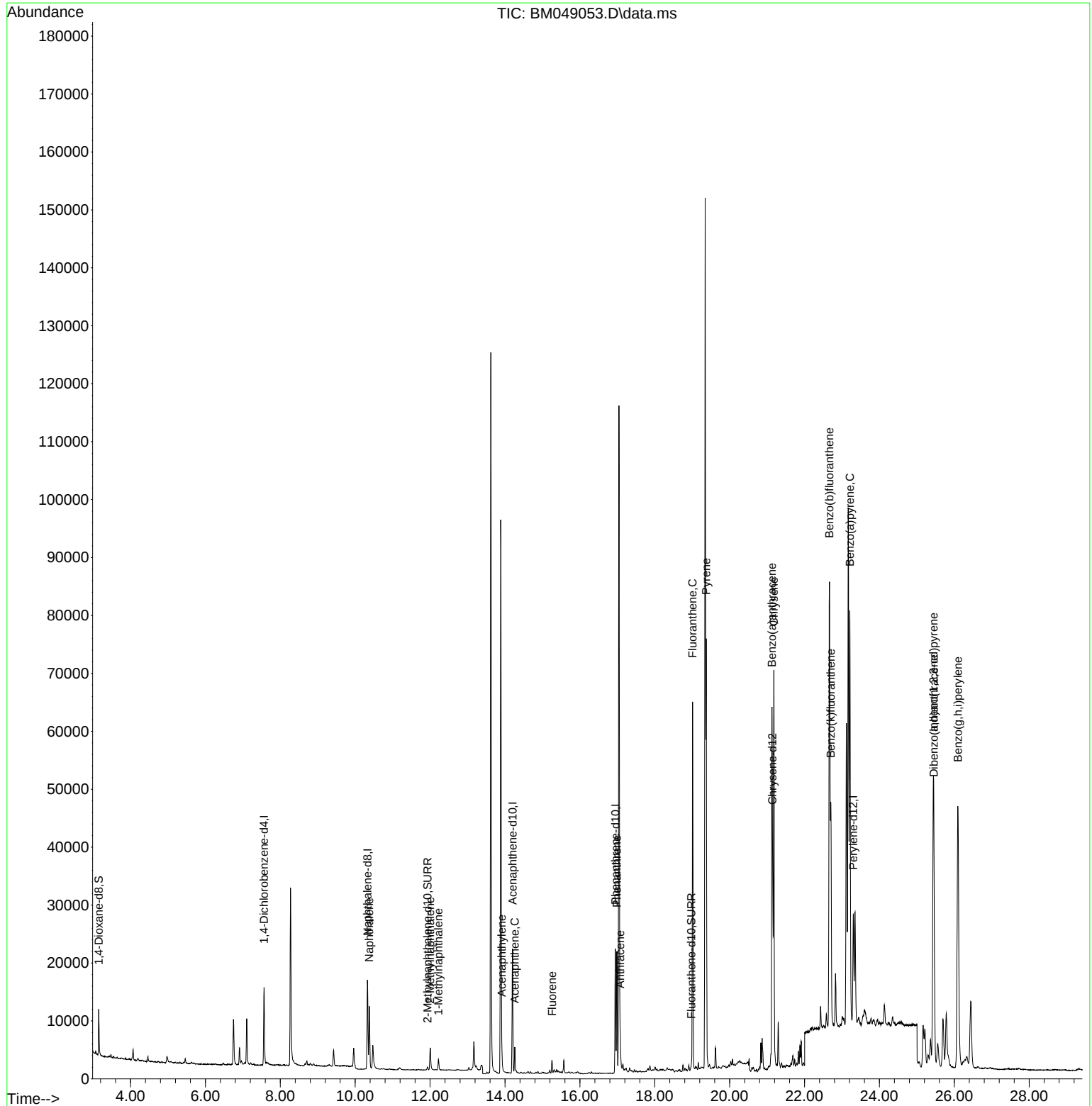
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	7065	0.400	ng/ul	0.00
4) Naphthalene-d8	10.326	136	21211	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.201	164	12203	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.947	188	25488	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	21713	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	22655m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	4709	0.578	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	860	0.030	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	1565	0.025	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.376	128	14327	0.270	ng/ul	99
7) 2-Methylnaphthalene	12.003	142	3453	0.103	ng/ul	98
8) 1-Methylnaphthalene	12.223	142	1455	0.042	ng/ul	97
10) Acenaphthylene	13.915	152	2013	0.040	ng/ul#	84
11) Acenaphthene	14.262	153	2564	0.069	ng/ul	97
12) Fluorene	15.256	166	1325	0.032	ng/ul#	92
15) Phenanthrene	16.989	178	21714	0.326	ng/ul	99
16) Anthracene	17.078	178	4205	0.069	ng/ul#	93
19) Fluoranthene	19.011	202	53749	0.685	ng/ul	100
20) Pyrene	19.374	202	63524	0.759	ng/ul	99
21) Benzo(a)anthracene	21.128	228	50143	0.664	ng/ul	98
22) Chrysene	21.181	228	65855	0.812	ng/ul	97
24) Benzo(b)fluoranthene	22.665	252	123026m	1.700	ng/ul	
25) Benzo(k)fluoranthene	22.700	252	42737m	0.538	ng/ul	
26) Benzo(a)pyrene	23.209	252	91916m	1.324	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.444	276	81183	0.826	ng/ul	93
28) Dibenzo(a,h)anthracene	25.454	278	17355	0.227	ng/ul	94
29) Benzo(g,h,i)perylene	26.094	276	92875	1.176	ng/ul	97

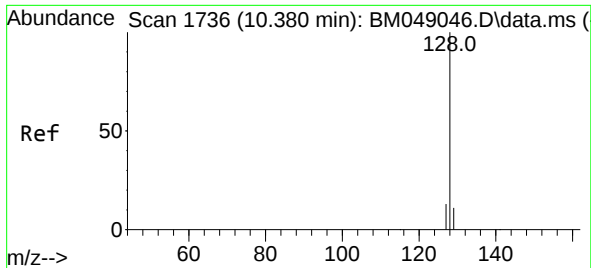
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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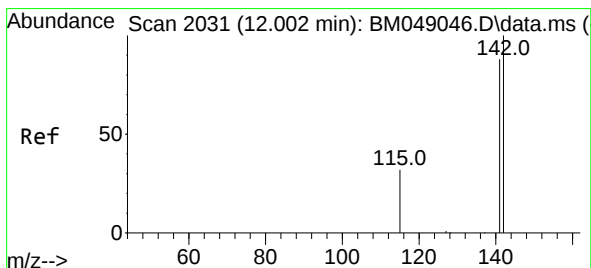
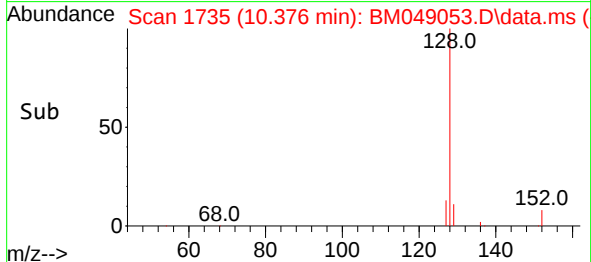
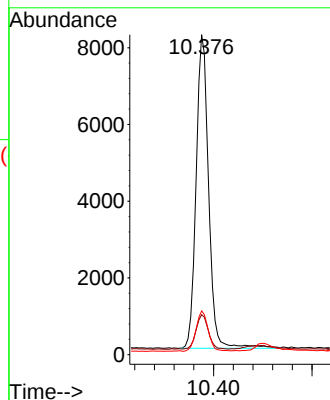
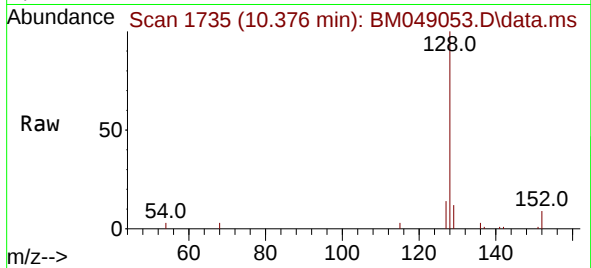




#5
Naphthalene
Concen: 0.270 ng/ul
RT: 10.376 min Scan# 1735
Delta R.T. -0.004 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

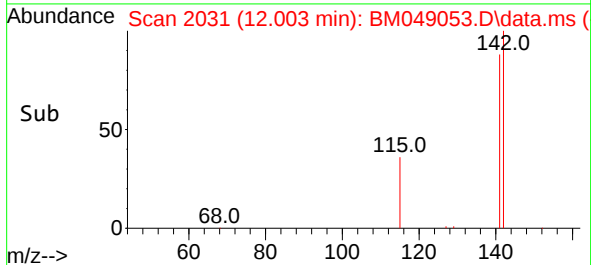
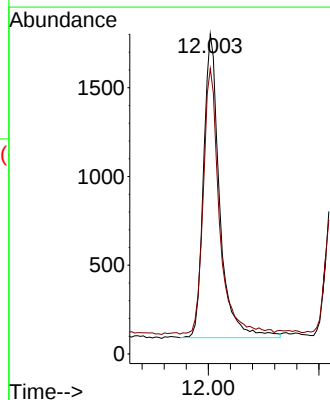
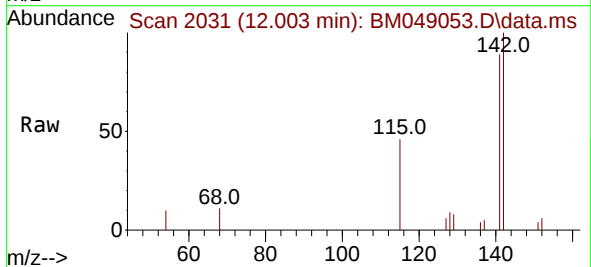
Instrument :
BNA_M
ClientSampleId :
E28W0DL

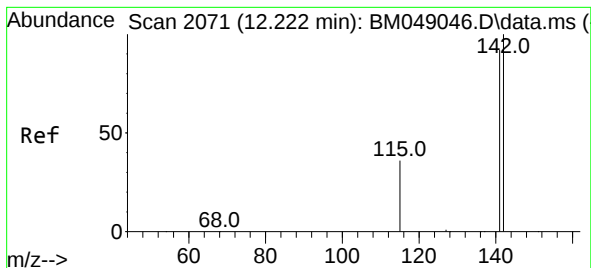
Tgt Ion:	128	Resp:	14327
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.7	14.5
127	13.7	10.6	16.0



#7
2-Methylnaphthalene
Concen: 0.103 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. 0.001 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

Tgt Ion:	142	Resp:	3453
Ion Ratio	Lower	Upper	
142	100		
141	87.7	71.7	107.5





#8

1-Methylnaphthalene

Concen: 0.042 ng/ul

RT: 12.223 min Scan# 2071

Delta R.T. 0.001 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

Instrument :

BNA_M

ClientSampleId :

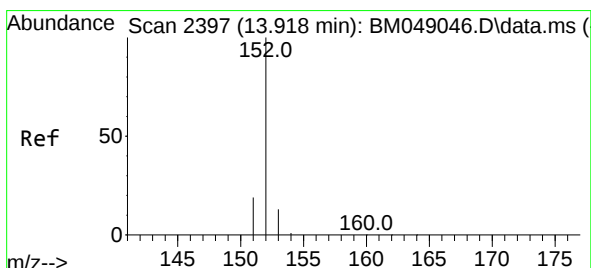
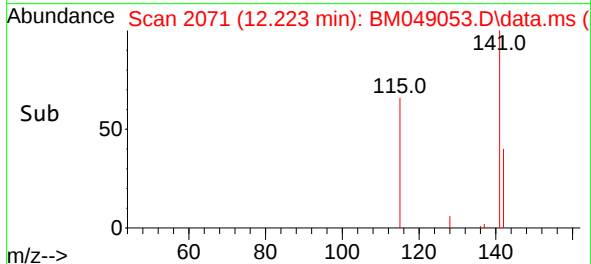
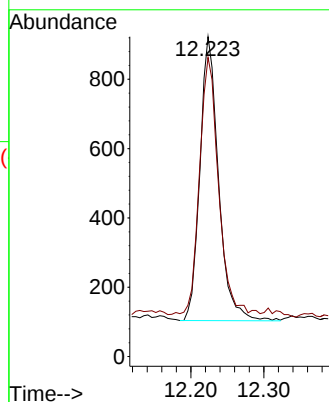
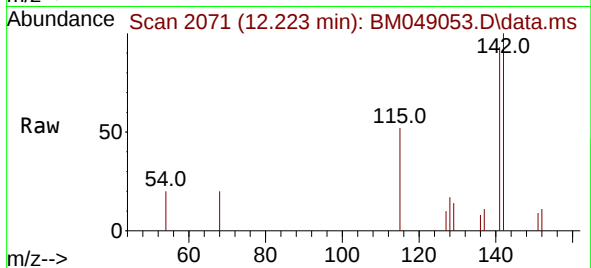
E28W0DL

Tgt Ion:142 Resp: 1455

Ion Ratio Lower Upper

142 100

141 94.0 72.7 109.1



#10

Acenaphthylene

Concen: 0.040 ng/ul

RT: 13.915 min Scan# 2396

Delta R.T. -0.003 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

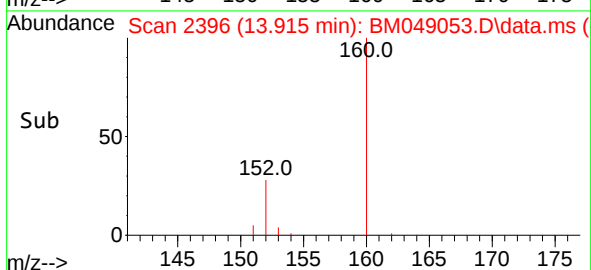
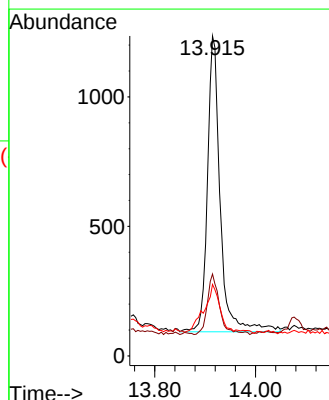
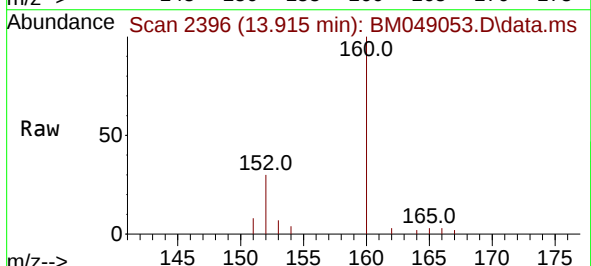
Tgt Ion:152 Resp: 2013

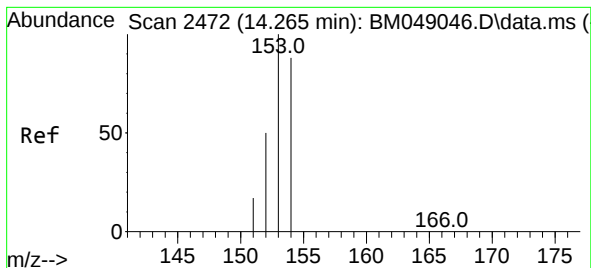
Ion Ratio Lower Upper

152 100

151 25.6 16.0 24.0#

153 22.3 11.0 16.6#





#11

Acenaphthene

Concen: 0.069 ng/ul

RT: 14.262 min Scan# 2471

Delta R.T. -0.003 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

Instrument :

BNA_M

ClientSampleId :

E28W0DL

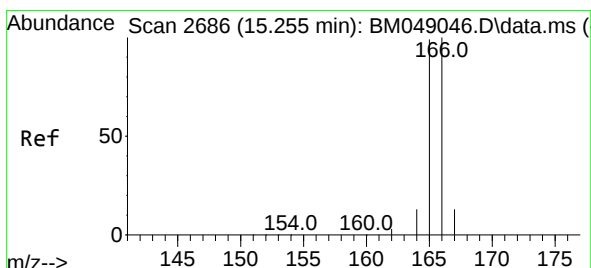
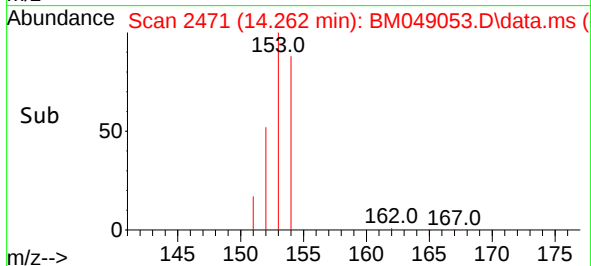
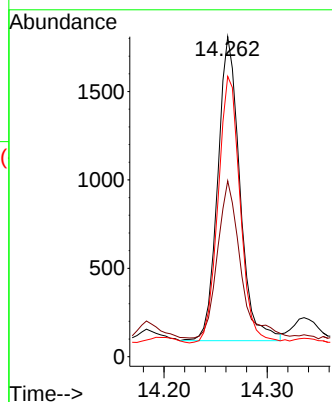
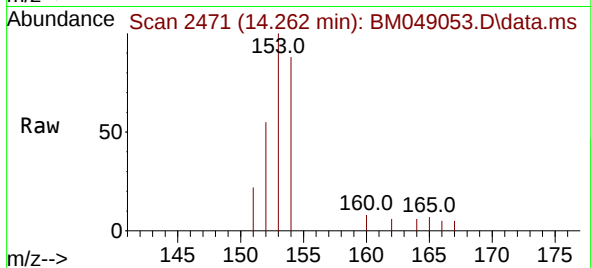
Tgt Ion:153 Resp: 2564

Ion Ratio Lower Upper

153 100

152 55.0 40.7 61.1

154 87.6 70.8 106.2



#12

Fluorene

Concen: 0.032 ng/ul

RT: 15.256 min Scan# 2686

Delta R.T. 0.001 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

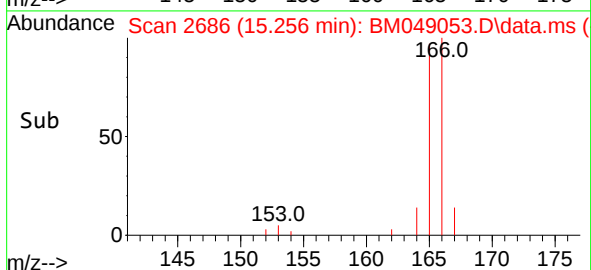
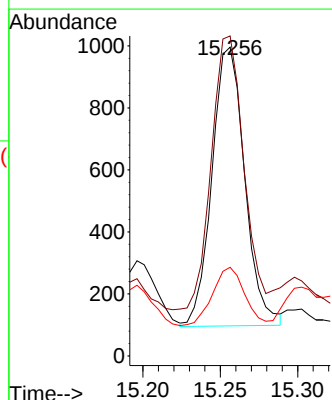
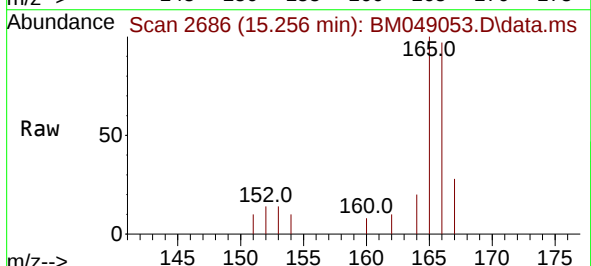
Tgt Ion:166 Resp: 1325

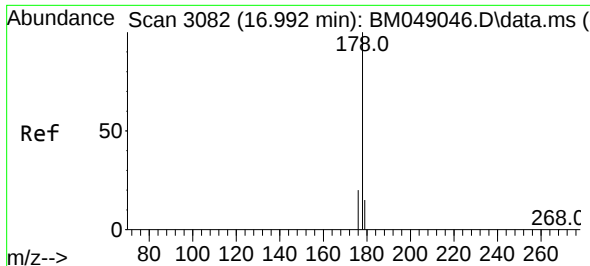
Ion Ratio Lower Upper

166 100

165 103.6 79.7 119.5

167 28.7 11.4 17.0#

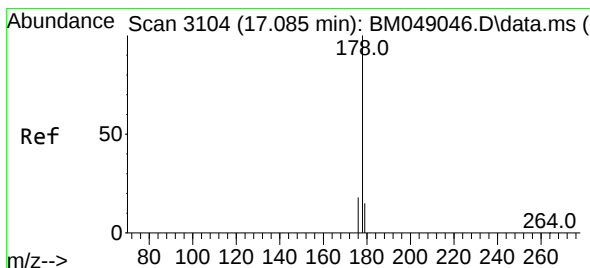
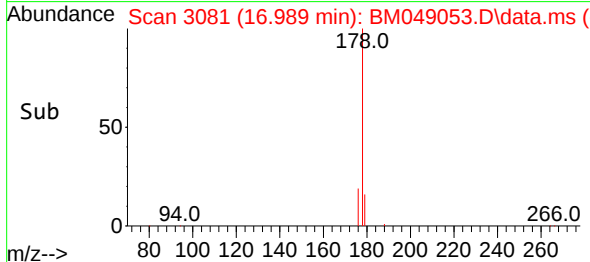
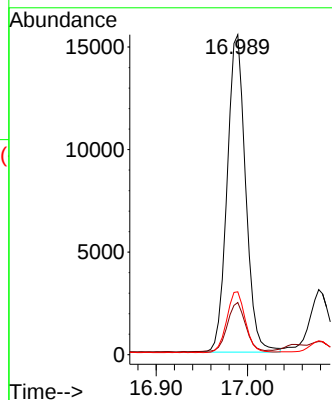
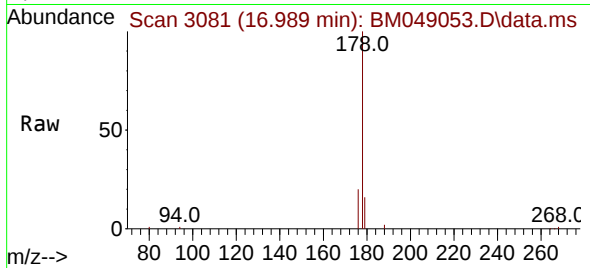




#15
Phenanthrene
Concen: 0.326 ng/ul
RT: 16.989 min Scan# 3082
Delta R.T. -0.003 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

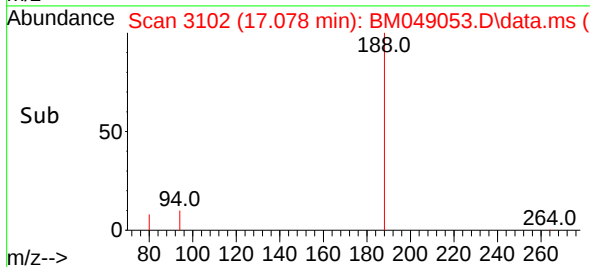
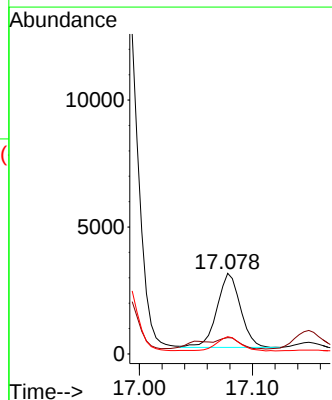
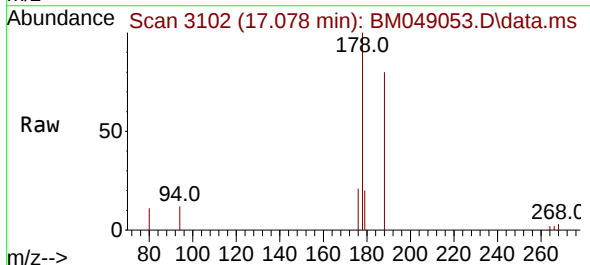
Instrument :
BNA_M
ClientSampleId :
E28W0DL

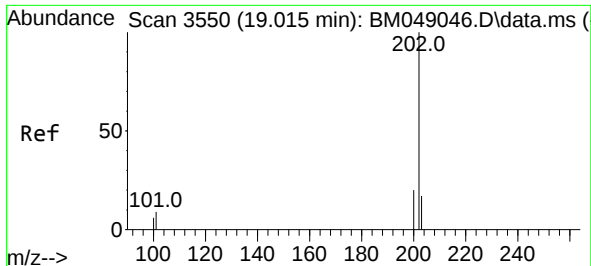
Tgt Ion:178 Resp: 21714
Ion Ratio Lower Upper
178 100
179 16.3 13.0 19.4
176 19.7 16.2 24.2



#16
Anthracene
Concen: 0.069 ng/ul
RT: 17.078 min Scan# 3102
Delta R.T. -0.007 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

Tgt Ion:178 Resp: 4205
Ion Ratio Lower Upper
178 100
179 20.3 12.9 19.3#
176 21.5 15.3 22.9

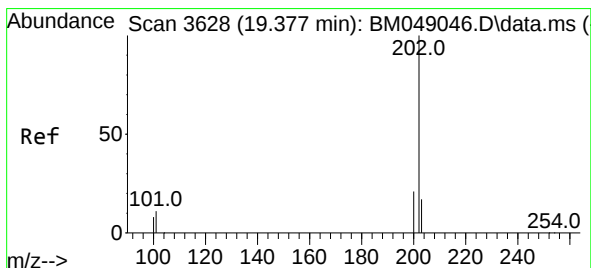
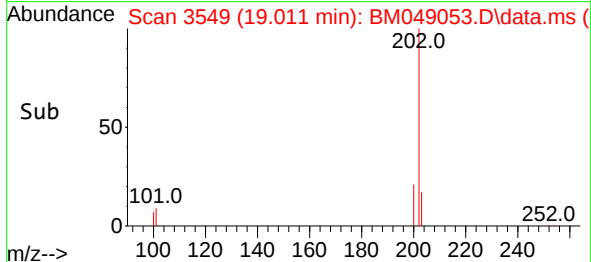
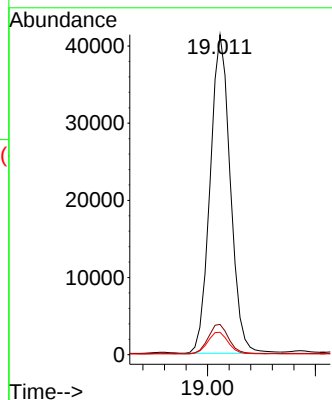
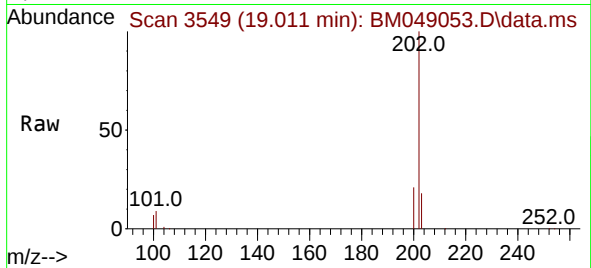




#19
Fluoranthene
Concen: 0.685 ng/u1
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

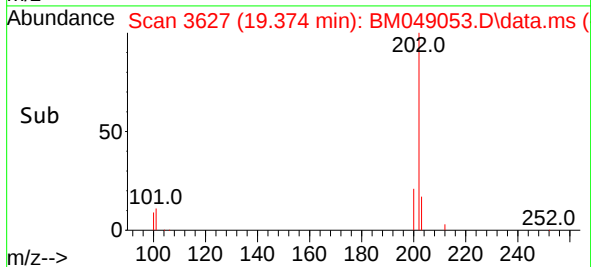
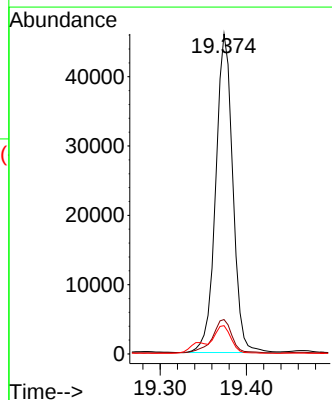
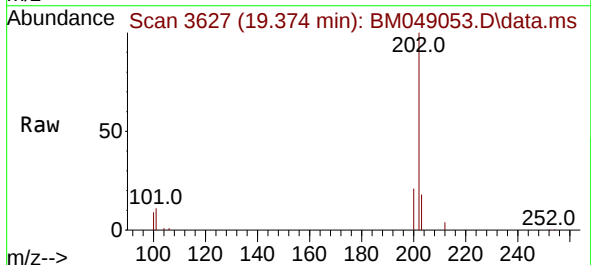
Instrument :
BNA_M
ClientSampleId :
E28W0DL

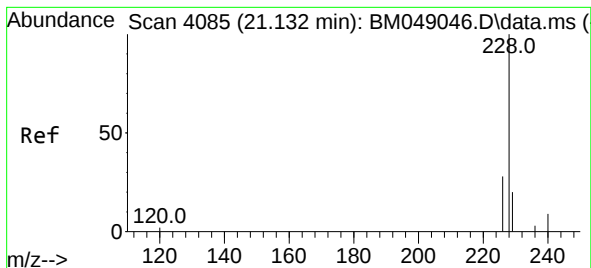
Tgt Ion:202 Resp: 53749
Ion Ratio Lower Upper
202 100
101 9.4 7.6 11.4
100 7.0 5.5 8.3



#20
Pyrene
Concen: 0.759 ng/u1
RT: 19.374 min Scan# 3627
Delta R.T. -0.003 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

Tgt Ion:202 Resp: 63524
Ion Ratio Lower Upper
202 100
101 10.8 8.9 13.3
100 8.9 6.9 10.3





#21

Benzo(a)anthracene

Concen: 0.664 ng/ul

RT: 21.128 min Scan# 4085

Delta R.T. -0.003 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

Instrument :

BNA_M

ClientSampleId :

E28W0DL

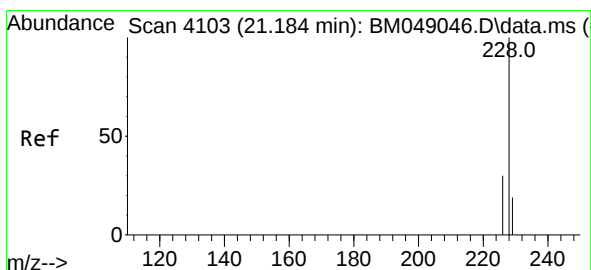
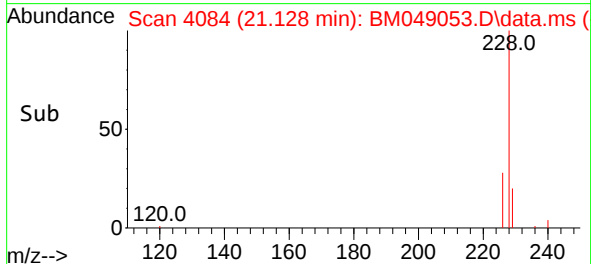
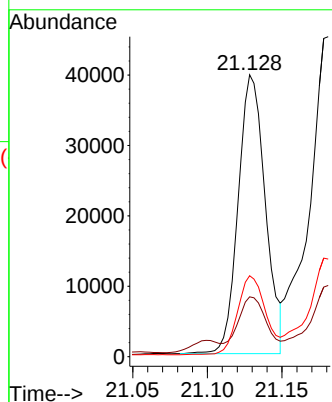
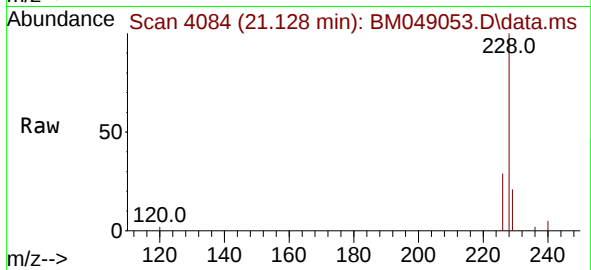
Tgt Ion:228 Resp: 50143

Ion Ratio Lower Upper

228 100

229 21.2 15.9 23.9

226 28.7 22.6 34.0



#22

Chrysene

Concen: 0.812 ng/ul

RT: 21.181 min Scan# 4102

Delta R.T. -0.003 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

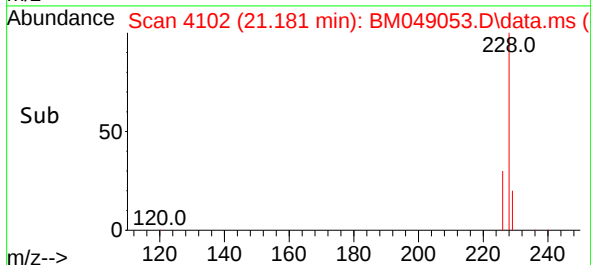
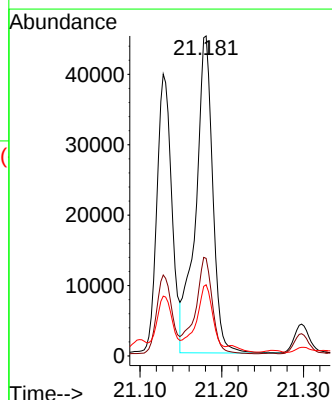
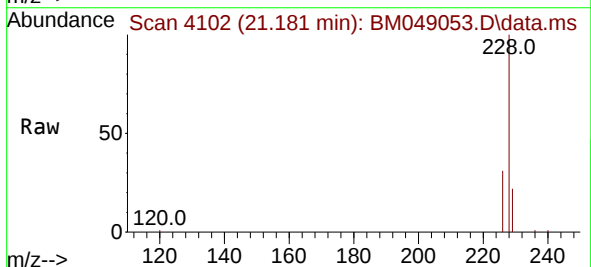
Tgt Ion:228 Resp: 65855

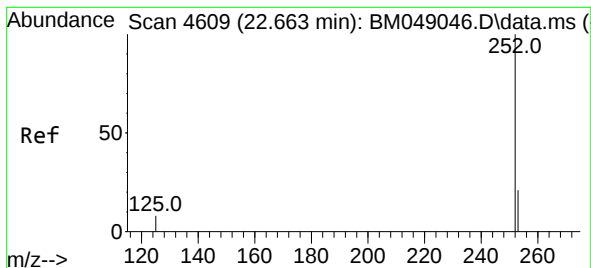
Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 22.2 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 1.700 ng/ul m

RT: 22.665 min Scan# 4609

Delta R.T. 0.003 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

Instrument :

BNA_M

ClientSampleId :

E28W0DL

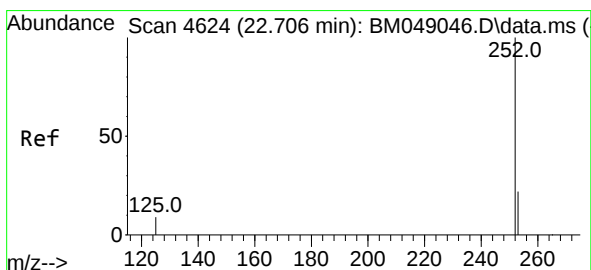
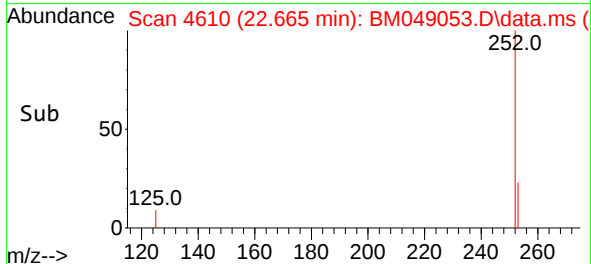
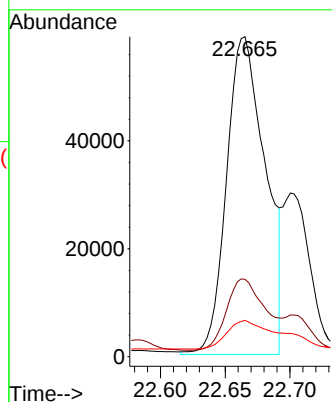
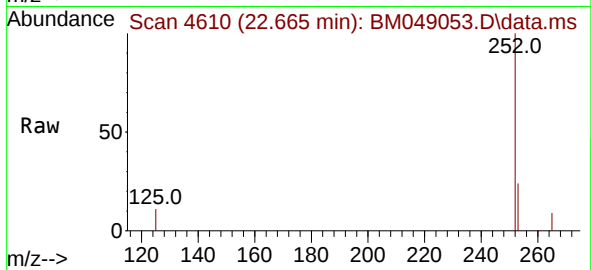
Tgt Ion:252 Resp: 123026

Ion Ratio Lower Upper

252 100

253 24.1 0.0 52.6

125 11.3 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.538 ng/ul m

RT: 22.700 min Scan# 4622

Delta R.T. -0.006 min

Lab File: BM049053.D

Acq: 18 Dec 2024 17:25

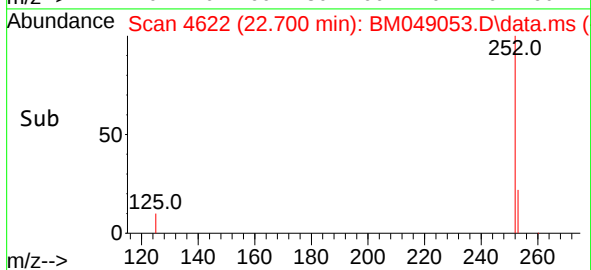
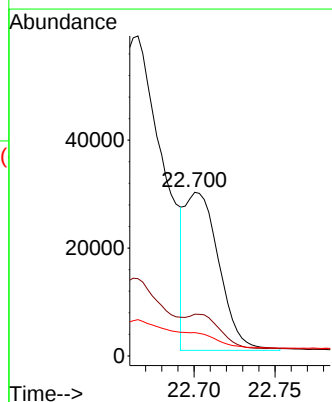
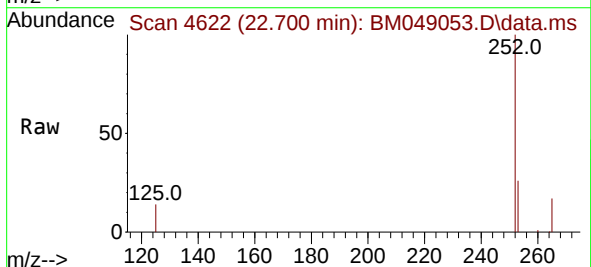
Tgt Ion:252 Resp: 42737

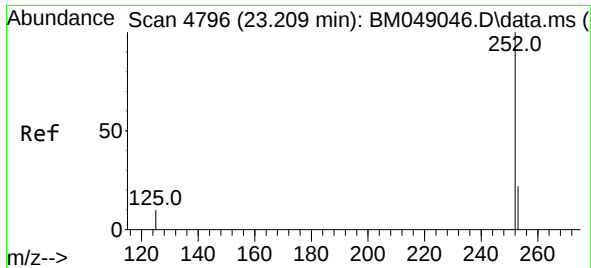
Ion Ratio Lower Upper

252 100

253 25.5 21.3 31.9

125 14.3 12.6 18.8

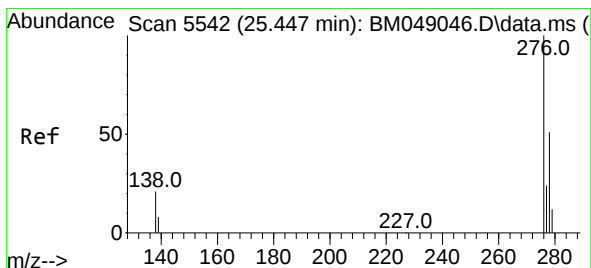
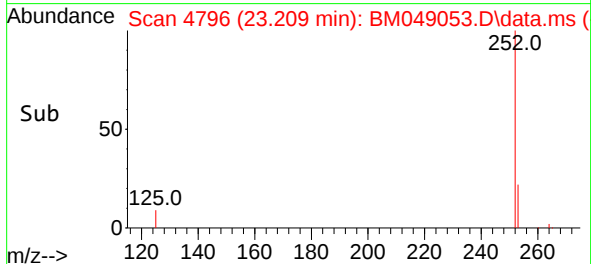
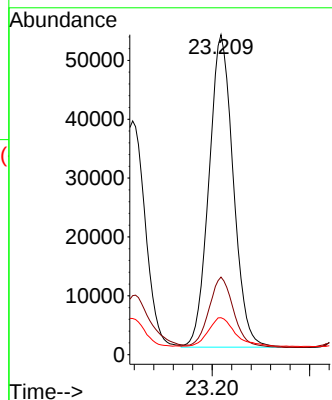
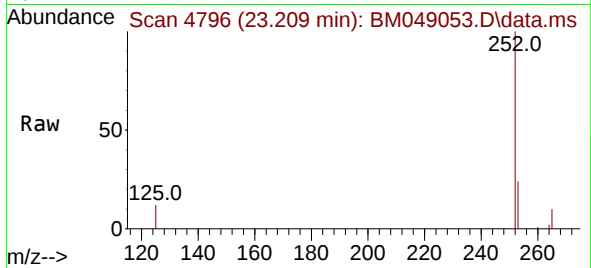




#26
Benzo(a)pyrene
Concen: 1.324 ng/ul m
RT: 23.209 min Scan# 4796
Delta R.T. -0.000 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

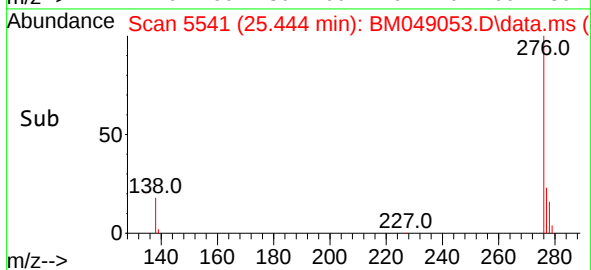
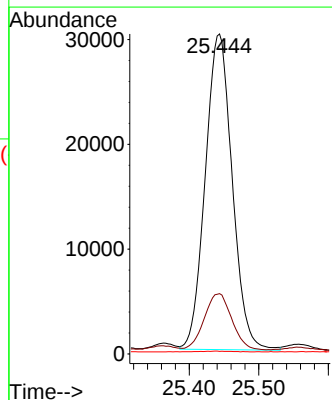
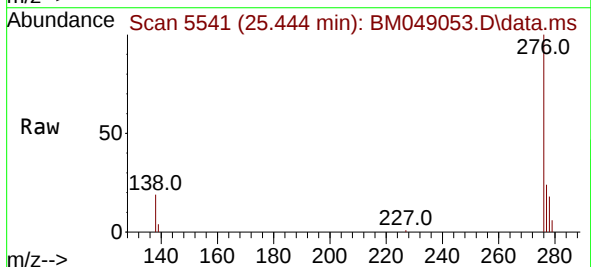
Instrument :
BNA_M
ClientSampleId :
E28W0DL

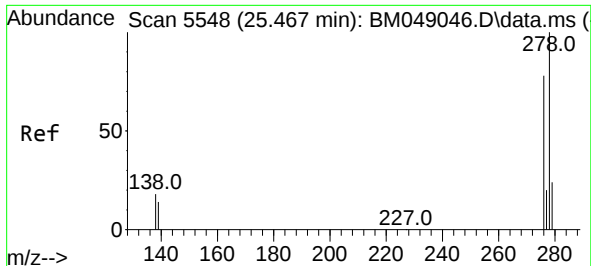
Tgt Ion:252 Resp: 91916
Ion Ratio Lower Upper
252 100
253 24.3 22.4 33.6
125 11.6 14.8 22.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.826 ng/ul
RT: 25.444 min Scan# 5541
Delta R.T. -0.004 min
Lab File: BM049053.D
Acq: 18 Dec 2024 17:25

Tgt Ion:276 Resp: 81183
Ion Ratio Lower Upper
276 100
138 18.3 17.4 26.2
227 0.2 0.2 0.2

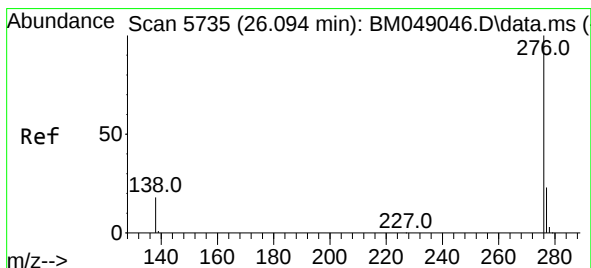
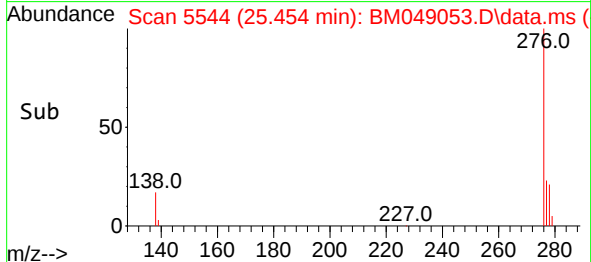
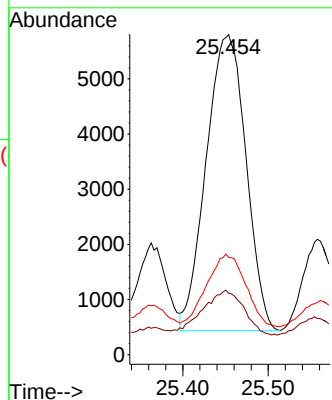
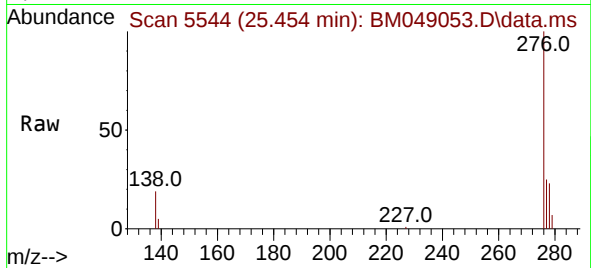




#28
 Dibenzo(a,h)anthracene
 Concen: 0.227 ng/ul
 RT: 25.454 min Scan# 51
 Delta R.T. -0.014 min
 Lab File: BM049053.D
 Acq: 18 Dec 2024 17:25

Instrument :
 BNA_M
 ClientSampleId :
 E28W0DL

Tgt Ion:278 Resp: 17355
 Ion Ratio Lower Upper
 278 100
 139 19.2 13.5 20.3
 279 30.4 21.5 32.3



#29
 Benzo(g,h,i)perylene
 Concen: 1.176 ng/ul
 RT: 26.094 min Scan# 5735
 Delta R.T. -0.000 min
 Lab File: BM049053.D
 Acq: 18 Dec 2024 17:25

Tgt Ion:276 Resp: 92875
 Ion Ratio Lower Upper
 276 100
 138 19.3 16.7 25.1
 277 24.0 19.9 29.9

