

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121824\
 Data File : BM049055.D
 Acq On : 18 Dec 2024 18:37
 Operator : RC/JU
 Sample : P5155-17DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28W2DL

Quant Time: Dec 19 01:40:16 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)

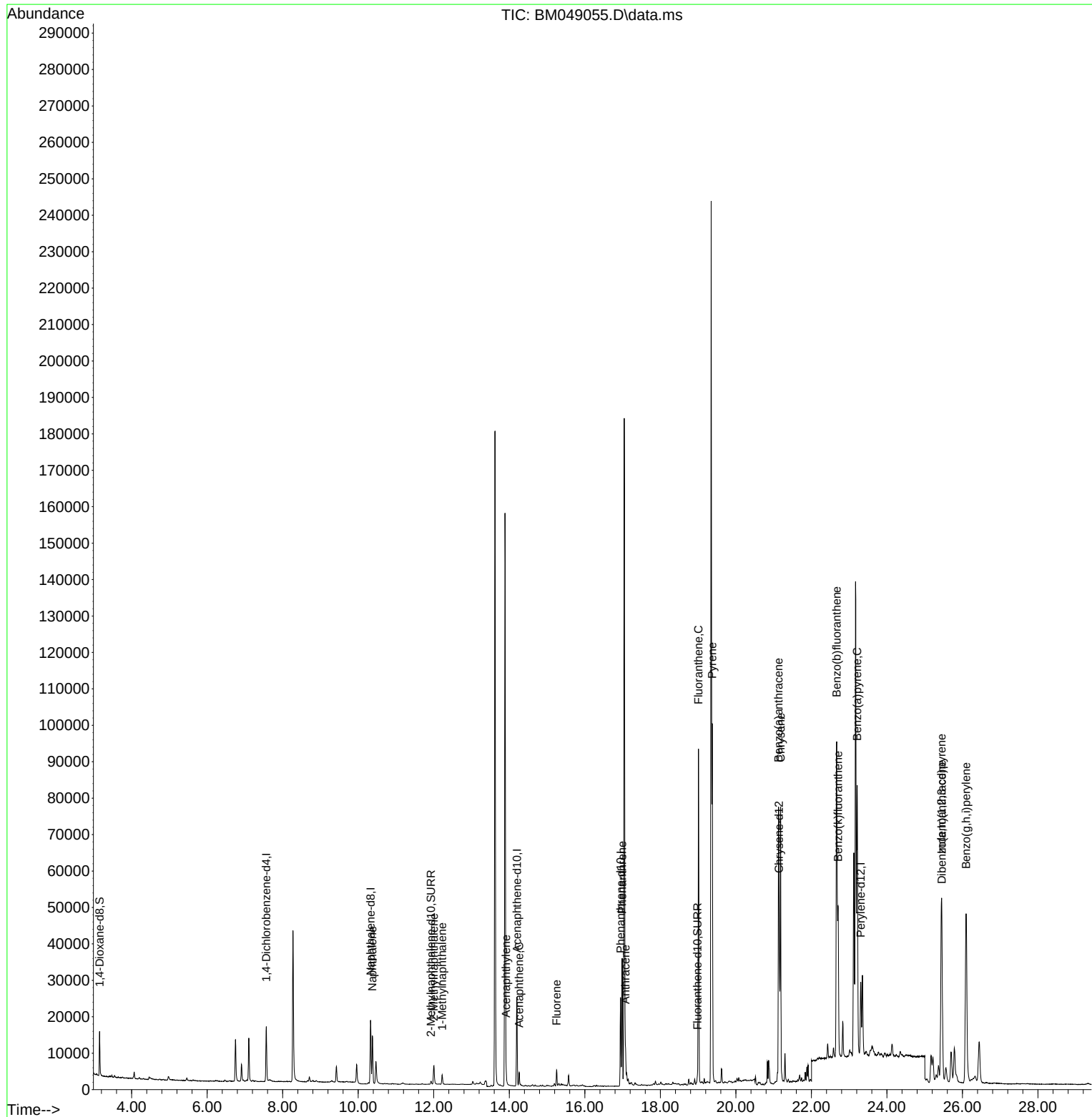
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	7842	0.400	ng/ul	0.00
4) Naphthalene-d8	10.326	136	23744	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.201	164	13661	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.947	188	28542	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	23742	0.400	ng/ul	0.00
23) Perylene-d12	23.305	264	23739m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	7090	0.784	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	1353	0.042	ng/ul	0.00
18) Fluoranthene-d10	18.983	212	2445	0.036	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.375	128	18339	0.309	ng/ul	100
7) 2-Methylnaphthalene	12.003	142	4752	0.126	ng/ul	97
8) 1-Methylnaphthalene	12.223	142	2026	0.053	ng/ul	98
10) Acenaphthylene	13.914	152	1976	0.035	ng/ul#	87
11) Acenaphthene	14.261	153	2212	0.054	ng/ul	96
12) Fluorene	15.251	166	2790	0.060	ng/ul#	96
15) Phenanthrene	16.989	178	36442	0.489	ng/ul	99
16) Anthracene	17.078	178	7056	0.103	ng/ul	95
19) Fluoranthene	19.011	202	77680	0.905	ng/ul	99
20) Pyrene	19.374	202	83905	0.917	ng/ul	99
21) Benzo(a)anthracene	21.131	228	59420	0.719	ng/ul	99
22) Chrysene	21.184	228	74264	0.838	ng/ul	97
24) Benzo(b)fluoranthene	22.668	252	134175m	1.769	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	48107m	0.578	ng/ul	
26) Benzo(a)pyrene	23.212	252	98580m	1.355	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.447	276	83486	0.811	ng/ul	92
28) Dibenzo(a,h)anthracene	25.457	278	17805	0.223	ng/ul	94
29) Benzo(g,h,i)perylene	26.097	276	94816	1.145	ng/ul	98

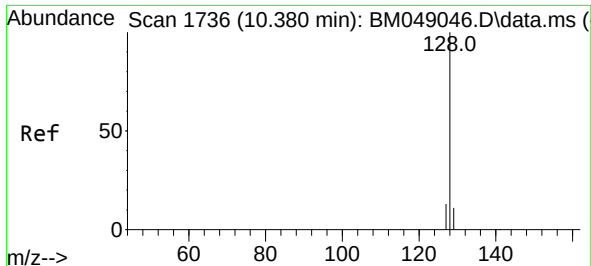
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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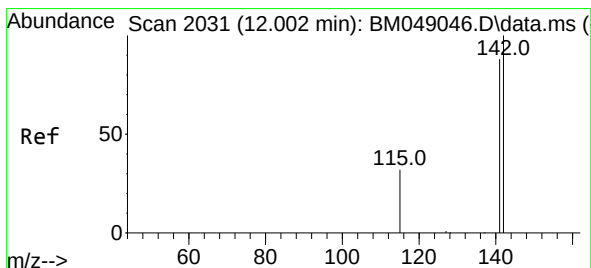
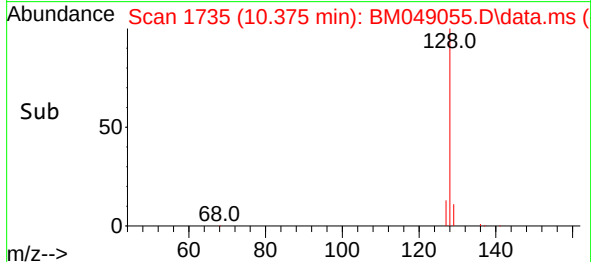
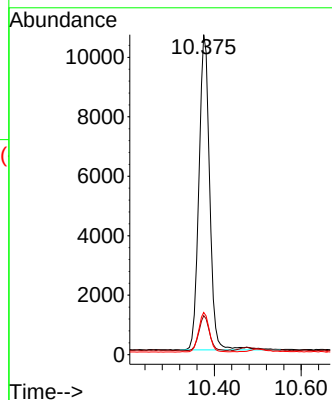
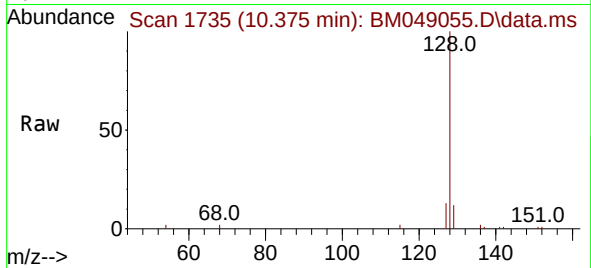




#5
Naphthalene
Concen: 0.309 ng/ul
RT: 10.375 min Scan# 1735
Delta R.T. -0.004 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

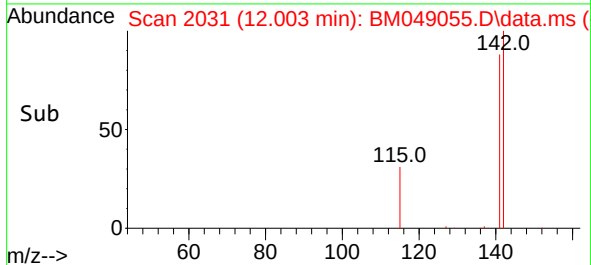
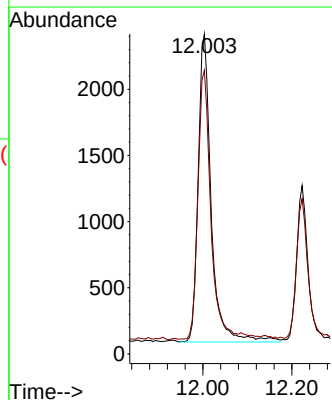
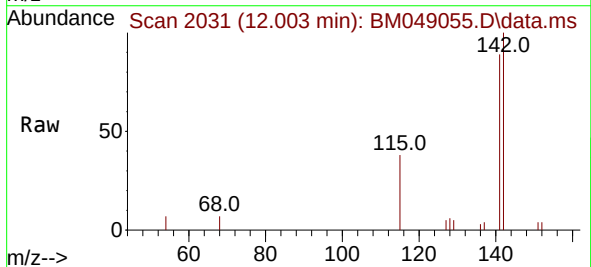
Instrument :
BNA_M
ClientSampleId :
E28W2DL

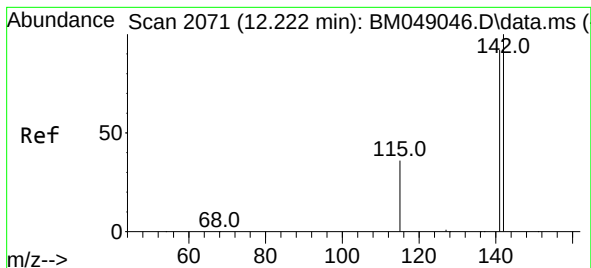
Tgt Ion:128 Resp: 18339
Ion Ratio Lower Upper
128 100
129 12.2 9.7 14.5
127 13.2 10.6 16.0



#7
2-Methylnaphthalene
Concen: 0.126 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. 0.001 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:142 Resp: 4752
Ion Ratio Lower Upper
142 100
141 86.6 71.7 107.5

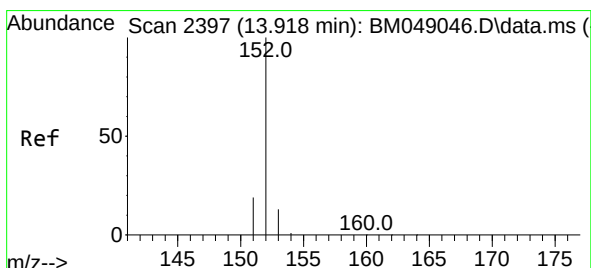
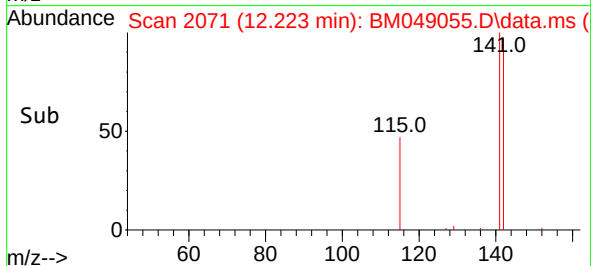
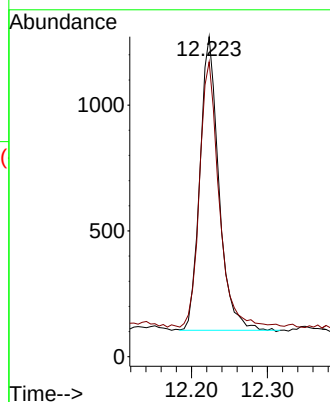
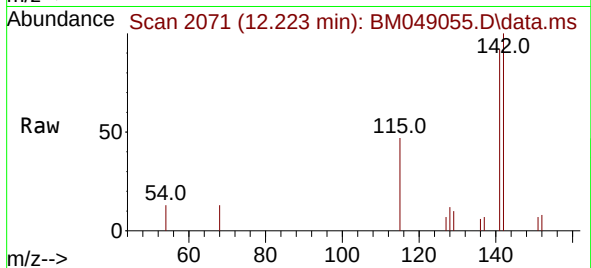




#8
1-Methylnaphthalene
Concen: 0.053 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. 0.001 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

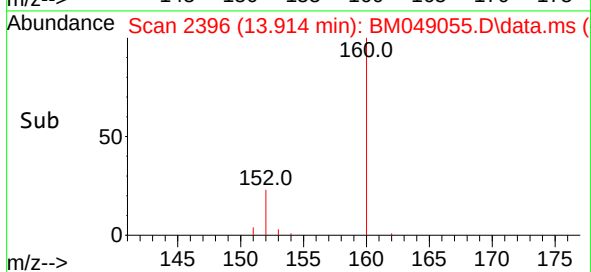
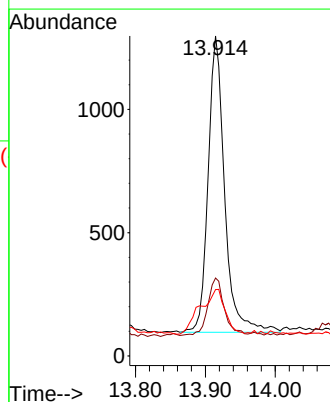
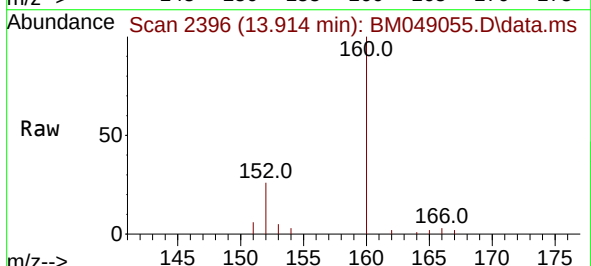
Instrument :
BNA_M
ClientSampleId :
E28W2DL

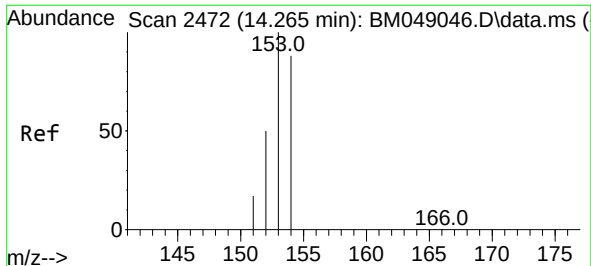
Tgt Ion:142 Resp: 2026
Ion Ratio Lower Upper
142 100
141 93.1 72.7 109.1



#10
Acenaphthylene
Concen: 0.035 ng/ul
RT: 13.914 min Scan# 2396
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:152 Resp: 1976
Ion Ratio Lower Upper
152 100
151 24.3 16.0 24.0#
153 20.7 11.0 16.6#

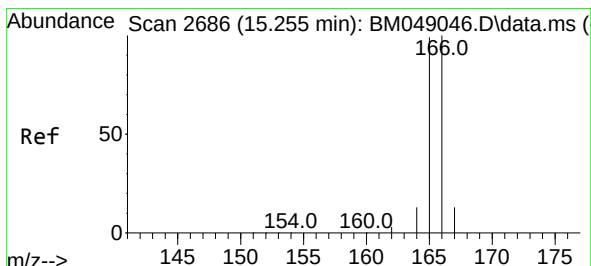
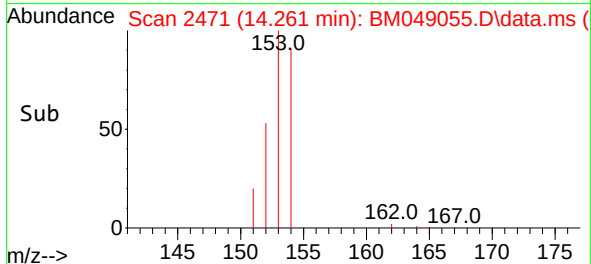
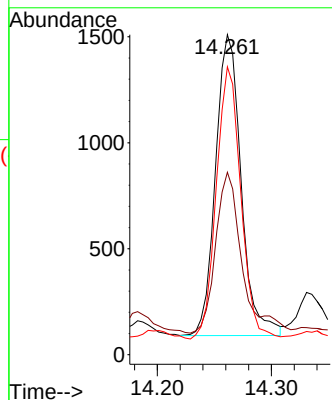
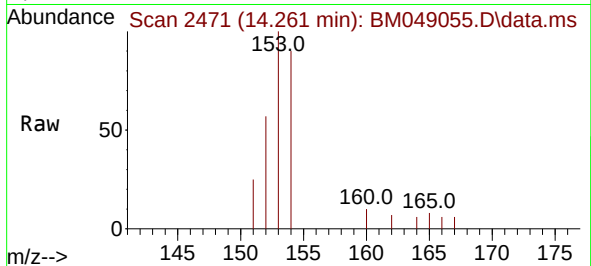




#11
Acenaphthene
Concen: 0.054 ng/ul
RT: 14.261 min Scan# 2471
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

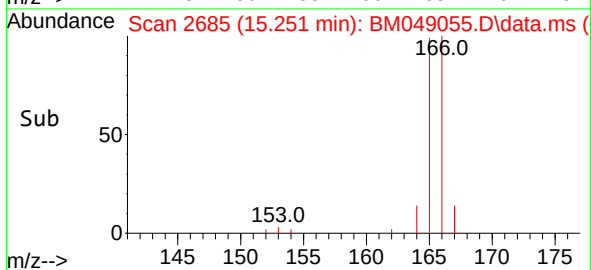
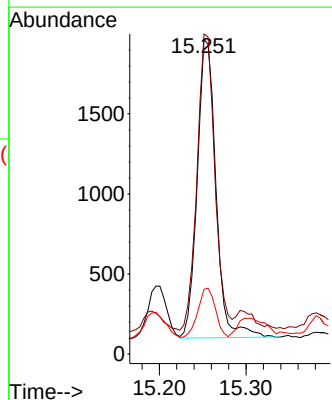
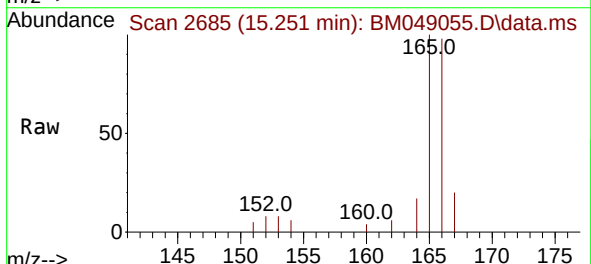
Instrument :
BNA_M
ClientSampleId :
E28W2DL

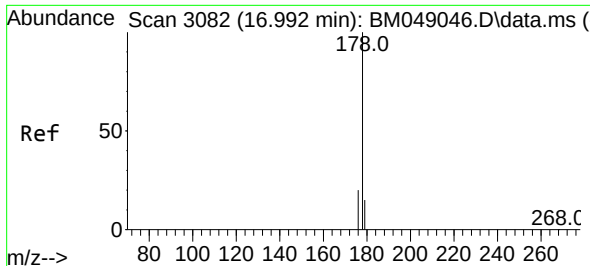
Tgt Ion:153 Resp: 2212
Ion Ratio Lower Upper
153 100
152 57.0 40.7 61.1
154 89.9 70.8 106.2



#12
Fluorene
Concen: 0.060 ng/ul
RT: 15.251 min Scan# 2685
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:166 Resp: 2790
Ion Ratio Lower Upper
166 100
165 101.7 79.7 119.5
167 20.6 11.4 17.0#

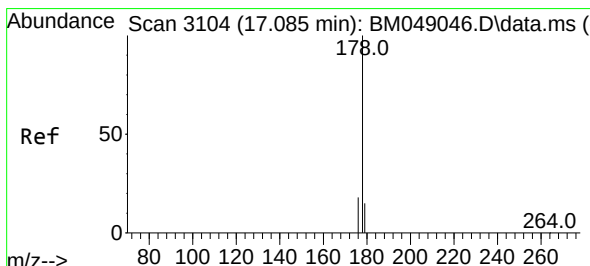
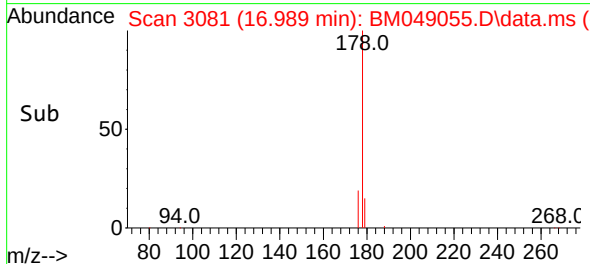
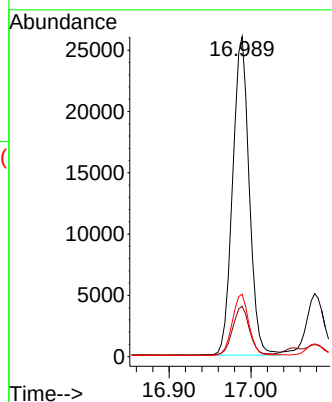
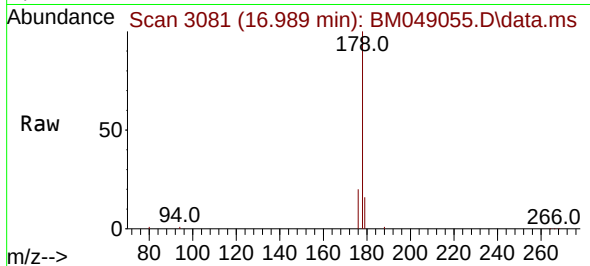




#15
Phenanthrene
Concen: 0.489 ng/ul
RT: 16.989 min Scan# 3081
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

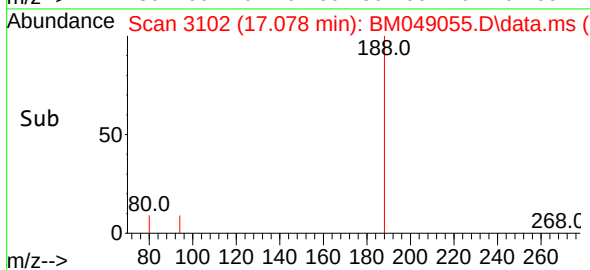
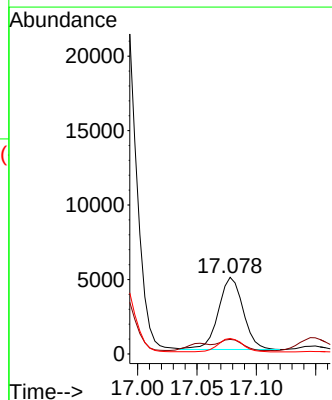
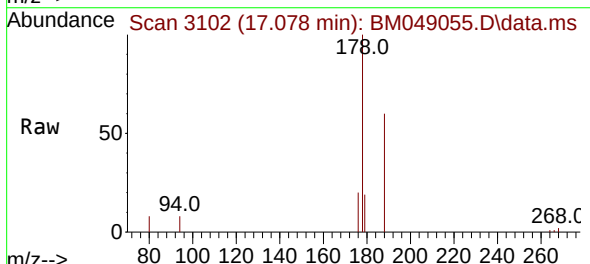
Instrument :
BNA_M
ClientSampleId :
E28W2DL

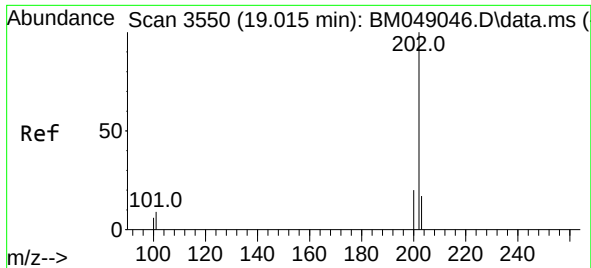
Tgt Ion:178 Resp: 36442
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.4
176 19.5 16.2 24.2



#16
Anthracene
Concen: 0.103 ng/ul
RT: 17.078 min Scan# 3102
Delta R.T. -0.007 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:178 Resp: 7056
Ion Ratio Lower Upper
178 100
179 19.1 12.9 19.3
176 20.3 15.3 22.9

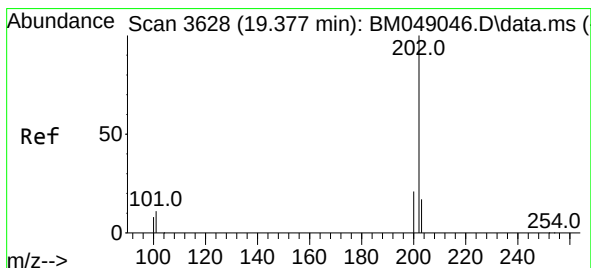
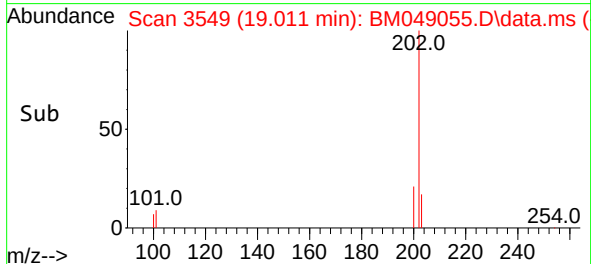
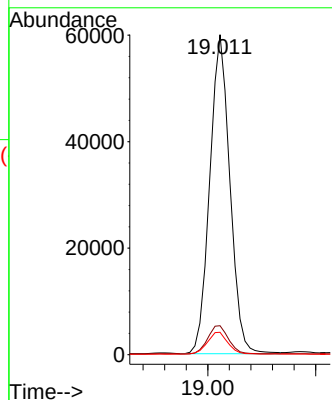
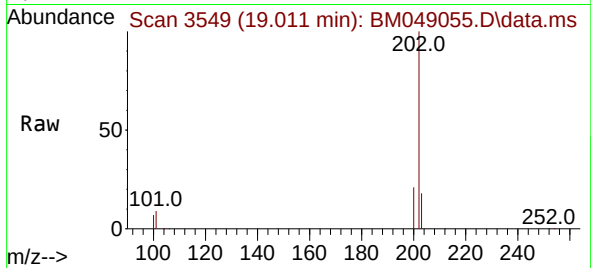




#19
Fluoranthene
Concen: 0.905 ng/ul
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

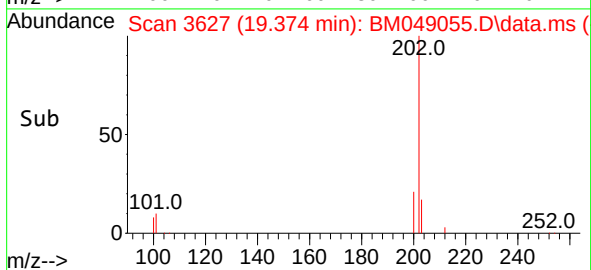
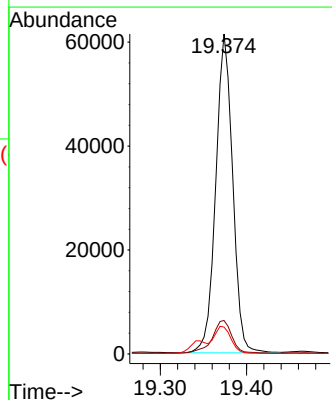
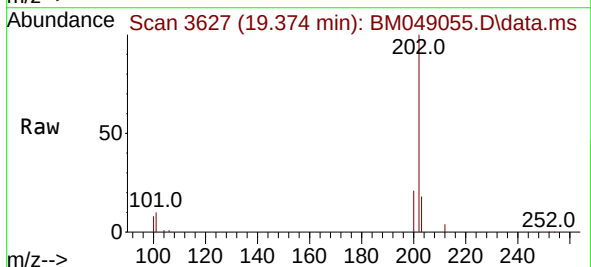
Instrument :
BNA_M
ClientSampleId :
E28W2DL

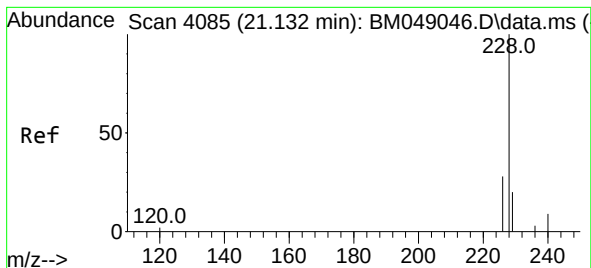
Tgt Ion:202 Resp: 77680
Ion Ratio Lower Upper
202 100
101 9.1 7.6 11.4
100 7.0 5.5 8.3



#20
Pyrene
Concen: 0.917 ng/ul
RT: 19.374 min Scan# 3627
Delta R.T. -0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:202 Resp: 83905
Ion Ratio Lower Upper
202 100
101 10.5 8.9 13.3
100 8.4 6.9 10.3





#21

Benzo(a)anthracene

Concen: 0.719 ng/ul

RT: 21.131 min Scan# 4085

Delta R.T. -0.000 min

Lab File: BM049055.D

Acq: 18 Dec 2024 18:37

Instrument :

BNA_M

ClientSampleId :

E28W2DL

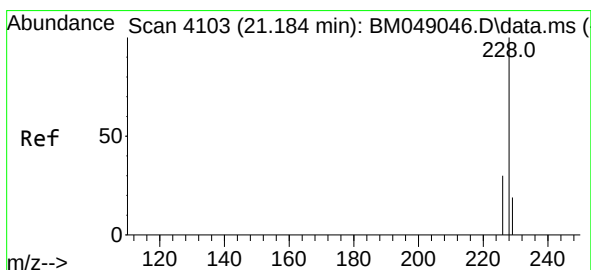
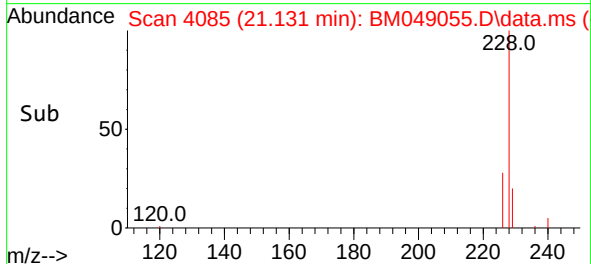
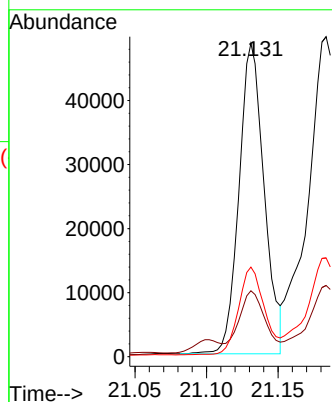
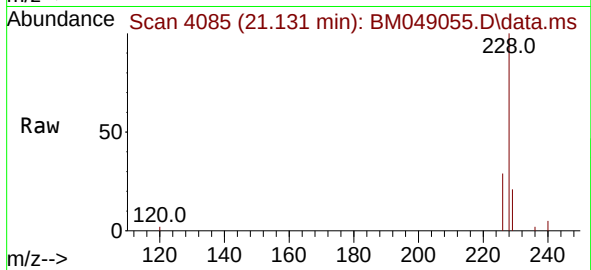
Tgt Ion:228 Resp: 59420

Ion Ratio Lower Upper

228 100

229 21.1 15.9 23.9

226 28.6 22.6 34.0



#22

Chrysene

Concen: 0.838 ng/ul

RT: 21.184 min Scan# 4103

Delta R.T. -0.000 min

Lab File: BM049055.D

Acq: 18 Dec 2024 18:37

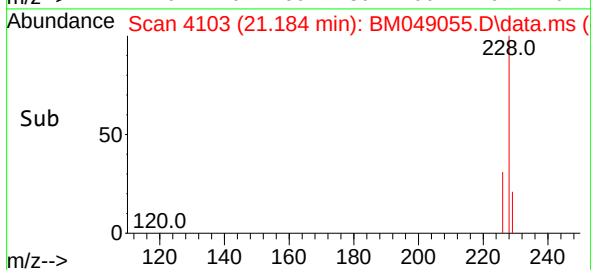
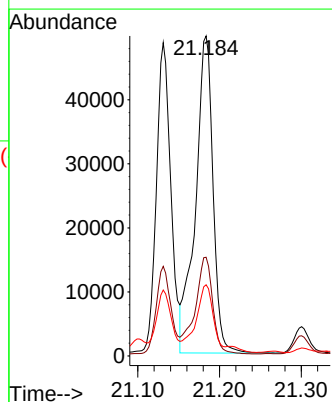
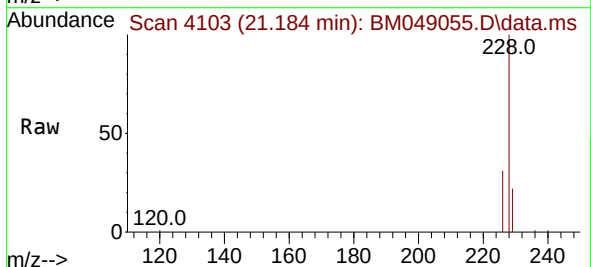
Tgt Ion:228 Resp: 74264

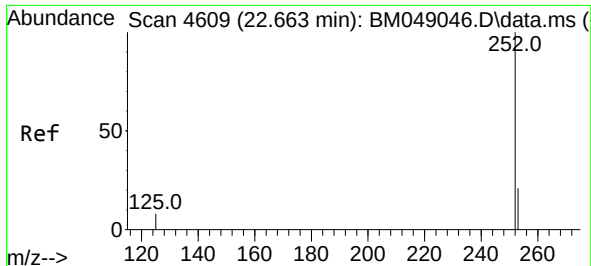
Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

229 22.3 15.8 23.8

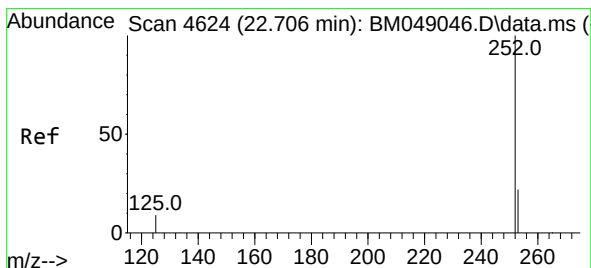
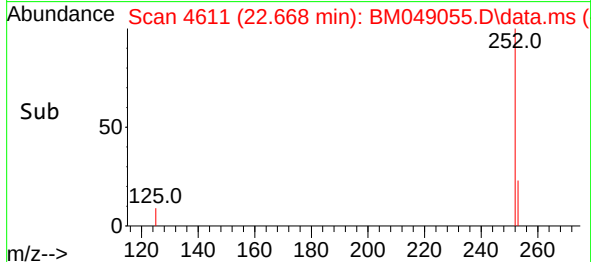
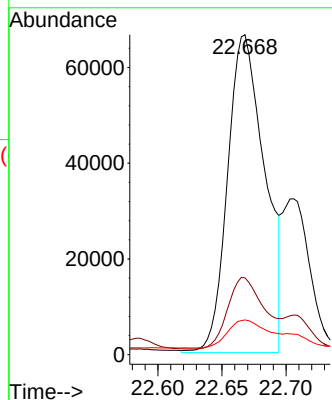
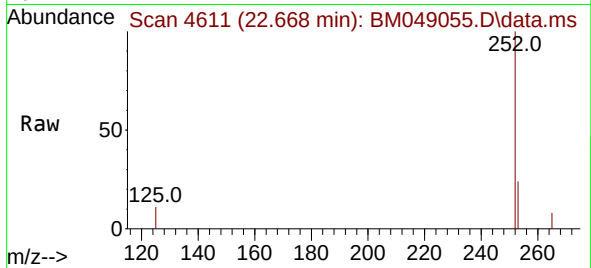




#24
Benzo(b)fluoranthene
Concen: 1.769 ng/ul m
RT: 22.668 min Scan# 4611
Delta R.T. 0.005 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

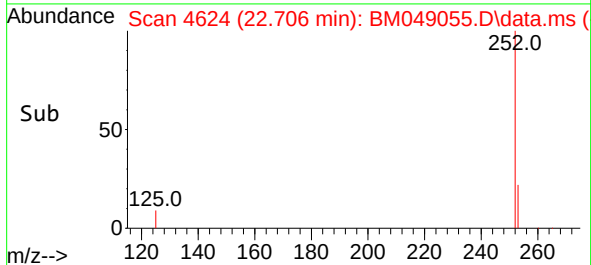
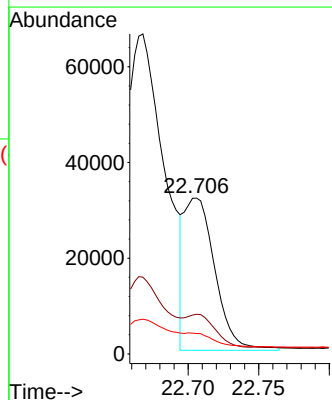
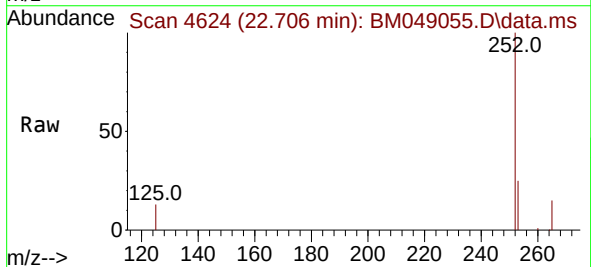
Instrument :
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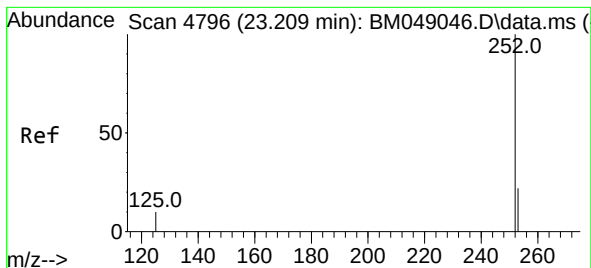
Tgt Ion:252 Resp: 134175
Ion Ratio Lower Upper
252 100
253 24.0 0.0 52.6
125 10.9 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.578 ng/ul m
RT: 22.706 min Scan# 4624
Delta R.T. -0.000 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:252 Resp: 48107
Ion Ratio Lower Upper
252 100
253 25.5 21.3 31.9
125 13.1 12.6 18.8





#26

Benzo(a)pyrene

Concen: 1.355 ng/ul m

RT: 23.212 min Scan# 4797

Delta R.T. 0.002 min

Lab File: BM049055.D

Acq: 18 Dec 2024 18:37

Instrument :

BNA_M

ClientSampleId :

E28W2DL

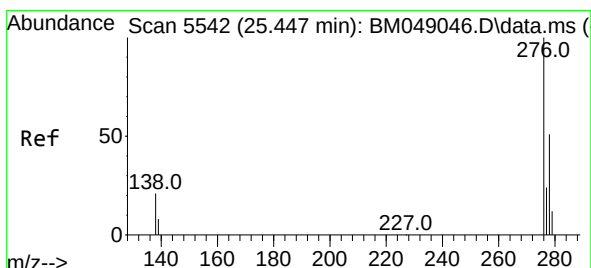
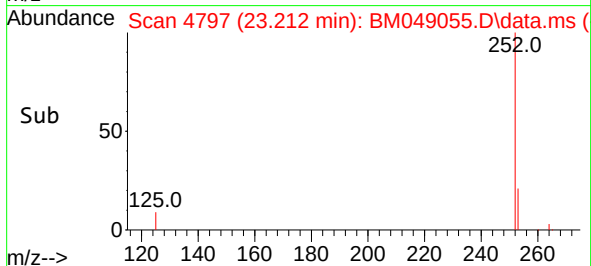
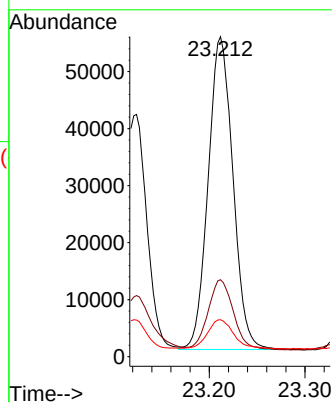
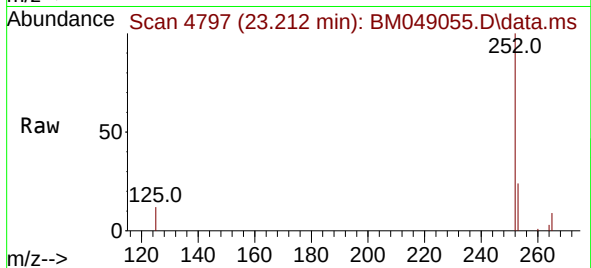
Tgt Ion:252 Resp: 98580

Ion Ratio Lower Upper

252 100

253 24.1 22.4 33.6

125 11.6 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.811 ng/ul

RT: 25.447 min Scan# 5542

Delta R.T. -0.000 min

Lab File: BM049055.D

Acq: 18 Dec 2024 18:37

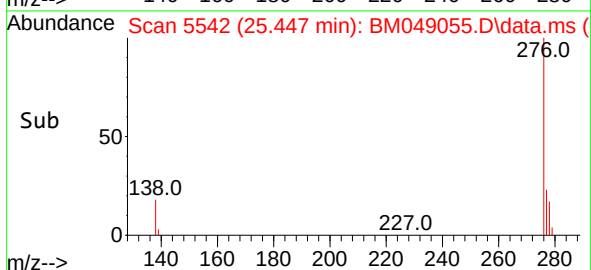
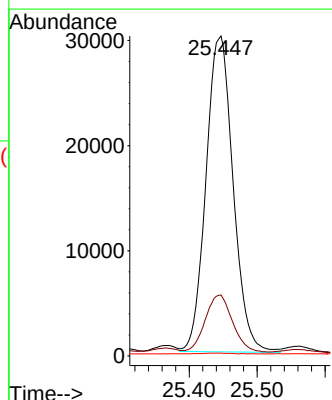
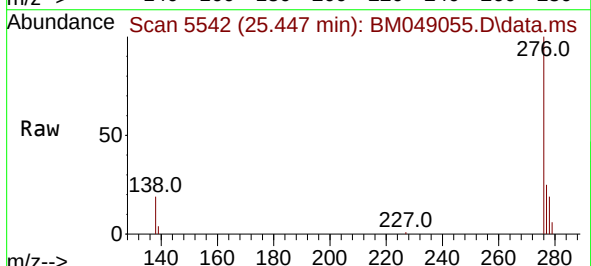
Tgt Ion:276 Resp: 83486

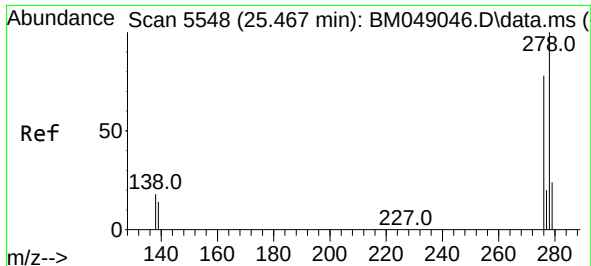
Ion Ratio Lower Upper

276 100

138 18.1 17.4 26.2

227 0.2 0.2 0.2

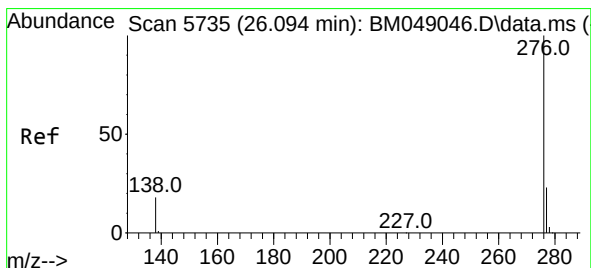
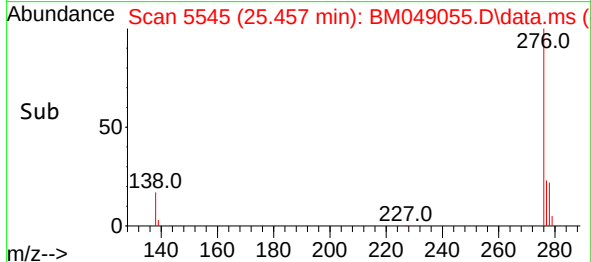
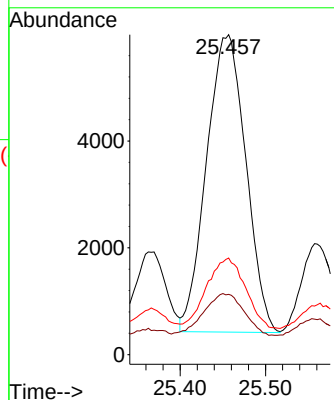
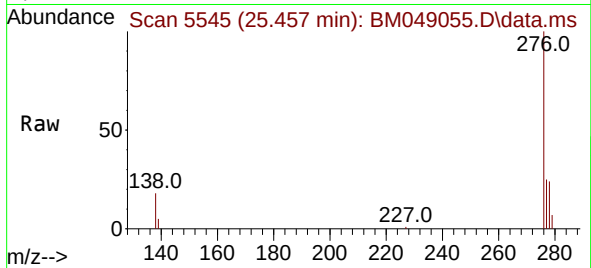




#28
Dibenzo(a,h)anthracene
Concen: 0.223 ng/ul
RT: 25.457 min Scan# 51
Delta R.T. -0.011 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Instrument :
BNA_M
ClientSampleId :
E28W2DL

Tgt Ion:	278	Resp:	17805
Ion Ratio	Lower	Upper	
278	100		
139	18.8	13.5	20.3
279	30.2	21.5	32.3



#29
Benzo(g,h,i)perylene
Concen: 1.145 ng/ul
RT: 26.097 min Scan# 5736
Delta R.T. 0.003 min
Lab File: BM049055.D
Acq: 18 Dec 2024 18:37

Tgt Ion:	276	Resp:	94816
Ion Ratio	Lower	Upper	
276	100		
138	19.4	16.7	25.1
277	24.1	19.9	29.9

