

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
 Data File : BM049073.D
 Acq On : 19 Dec 2024 16:42
 Operator : RC/JU
 Sample : P5226-26MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AR4MSD

Quant Time: Dec 19 22:19:40 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)

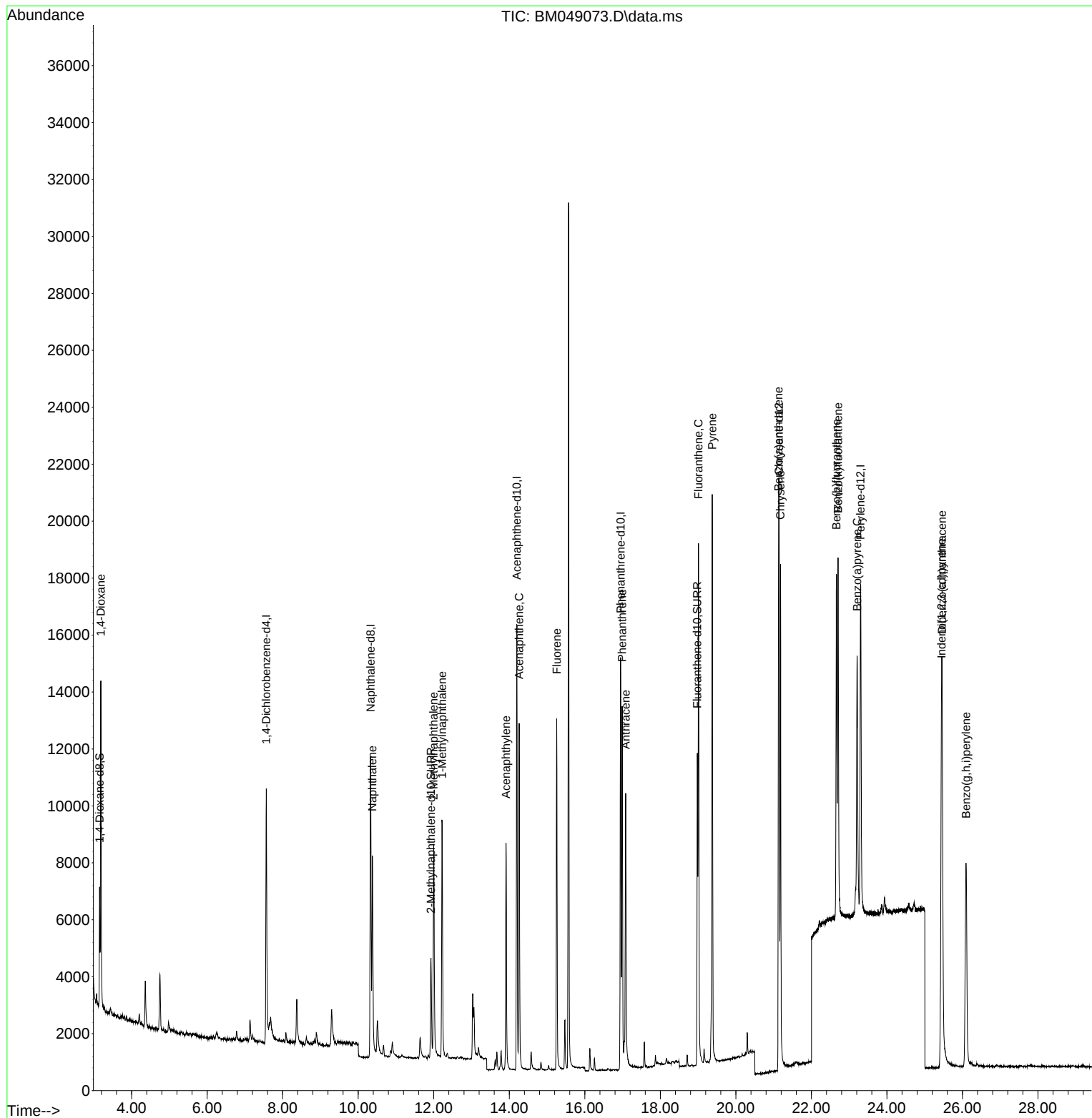
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.565	152	5323	0.400	ng/ul	0.00
4) Naphthalene-d8	10.326	136	16047	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.197	164	9095	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.947	188	18815	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	14699	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	15608	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	2474	0.403	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	5736	0.266	ng/ul	0.00
18) Fluoranthene-d10	18.979	212	13002	0.312	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.185	88	7339	1.023	ng/ul#	79
5) Naphthalene	10.376	128	10437	0.260	ng/ul	99
7) 2-Methylnaphthalene	11.998	142	6551	0.257	ng/ul	100
8) 1-Methylnaphthalene	12.223	142	6566	0.252	ng/ul	98
10) Acenaphthylene	13.915	152	9697	0.257	ng/ul	99
11) Acenaphthene	14.262	153	7328	0.266	ng/ul	98
12) Fluorene	15.256	166	8304	0.268	ng/ul	99
15) Phenanthrene	16.989	178	13948	0.284	ng/ul	99
16) Anthracene	17.082	178	12092	0.268	ng/ul	99
19) Fluoranthene	19.011	202	16470	0.310	ng/ul	98
20) Pyrene	19.374	202	17606	0.311	ng/ul	98
21) Benzo(a)anthracene	21.131	228	14621	0.286	ng/ul	99
22) Chrysene	21.181	228	16227	0.296	ng/ul	99
24) Benzo(b)fluoranthene	22.662	252	15632	0.313	ng/ul	97
25) Benzo(k)fluoranthene	22.706	252	16726	0.306	ng/ul	98
26) Benzo(a)pyrene	23.209	252	14088	0.295	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.443	276	19141	0.283	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.460	278	14944	0.284	ng/ul	100
29) Benzo(g,h,i)perylene	26.094	276	15572	0.286	ng/ul	99

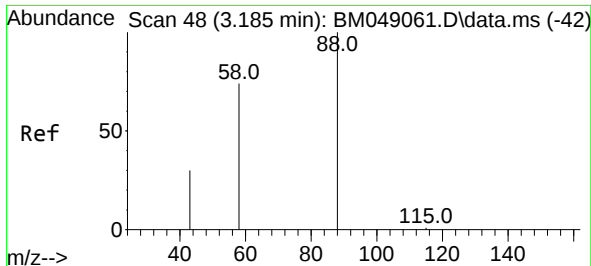
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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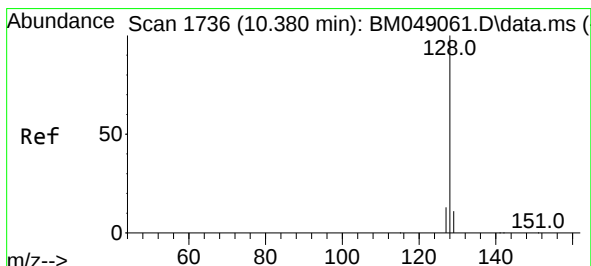
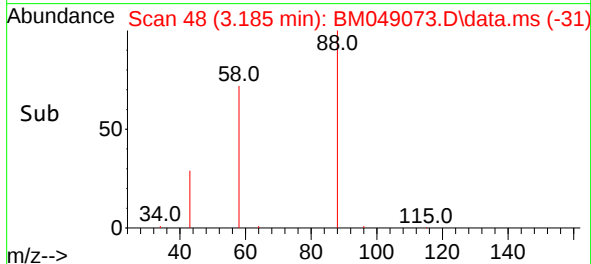
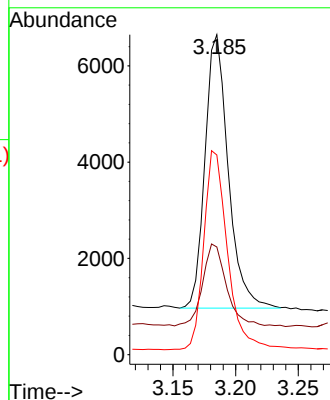
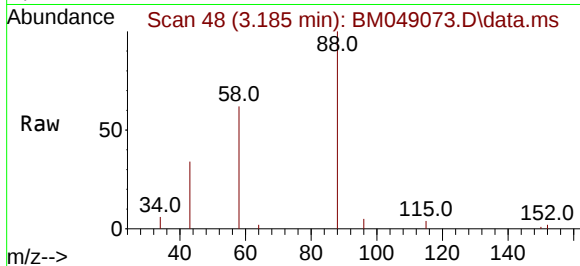




#2
1,4-Dioxane
Concen: 1.023 ng/ul
RT: 3.185 min Scan# 48
Delta R.T. -0.000 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

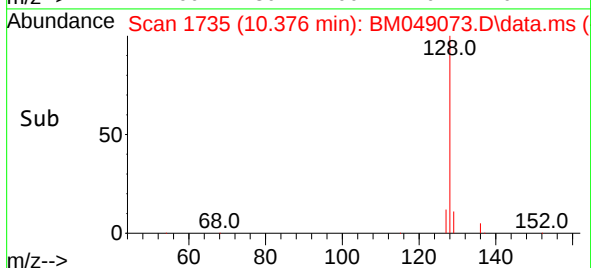
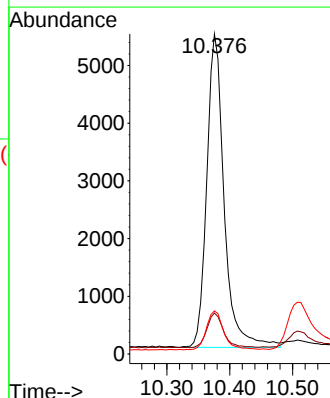
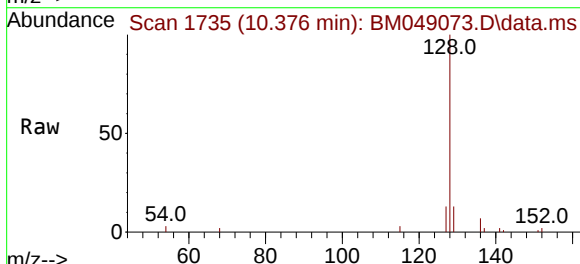
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

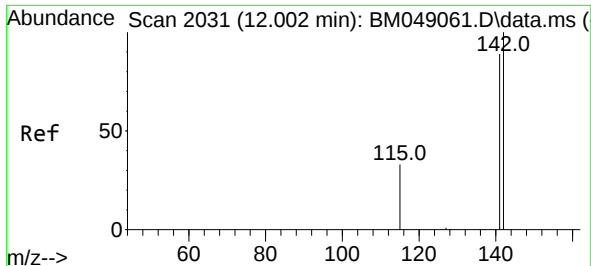
Tgt Ion: 88 Resp: 7339
Ion Ratio Lower Upper
88 100
43 33.7 45.4 68.2#
58 62.4 43.6 65.4



#5
Naphthalene
Concen: 0.260 ng/ul
RT: 10.376 min Scan# 1735
Delta R.T. -0.004 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion: 128 Resp: 10437
Ion Ratio Lower Upper
128 100
129 12.8 9.7 14.5
127 13.5 10.6 16.0

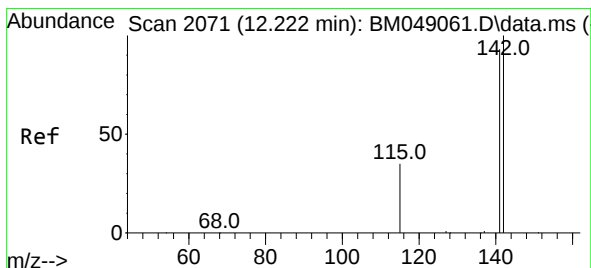
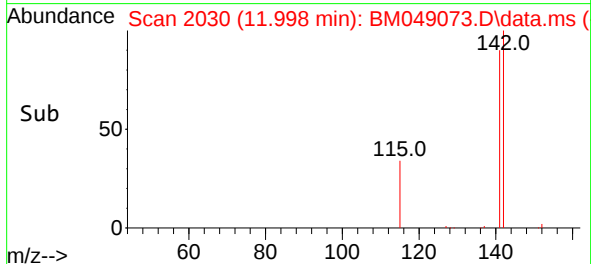
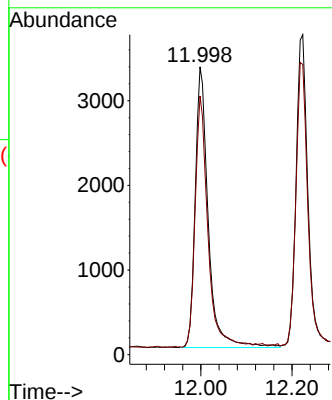
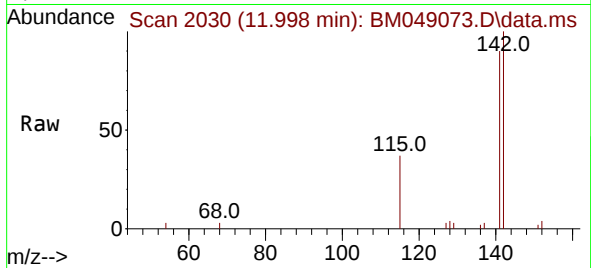




#7
2-Methylnaphthalene
Concen: 0.257 ng/ul
RT: 11.998 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

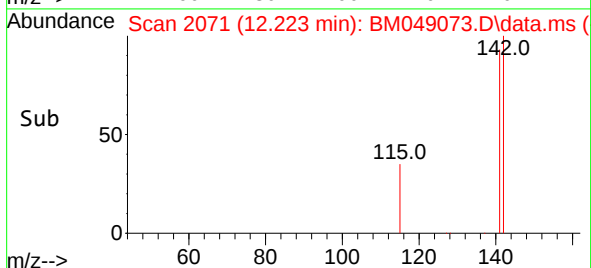
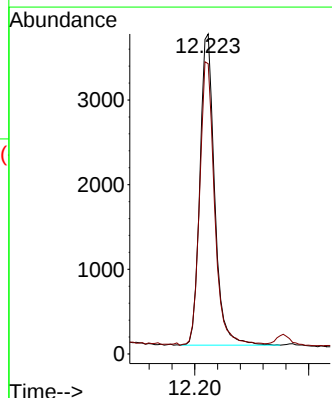
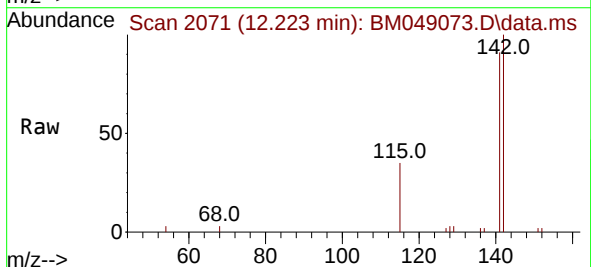
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

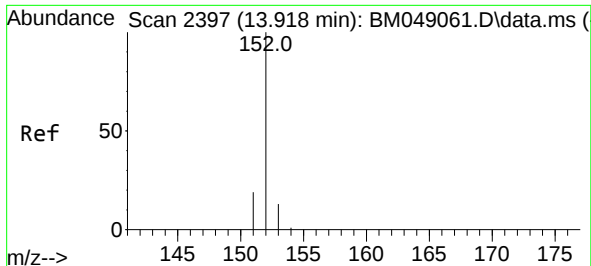
Tgt Ion:142 Resp: 6551
Ion Ratio Lower Upper
142 100
141 89.5 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.252 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. 0.001 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion:142 Resp: 6566
Ion Ratio Lower Upper
142 100
141 93.0 72.7 109.1

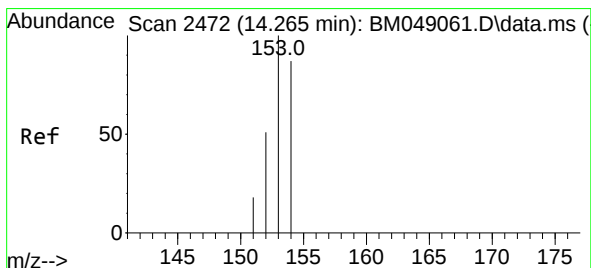
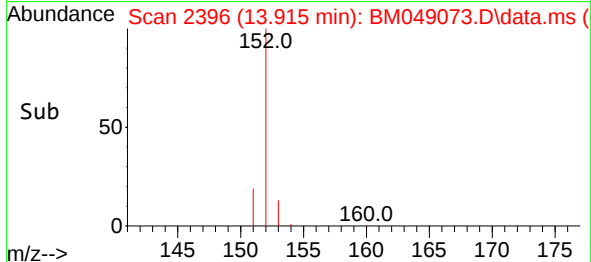
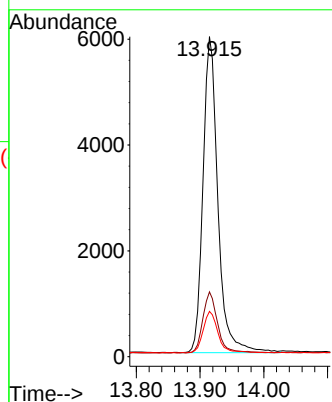
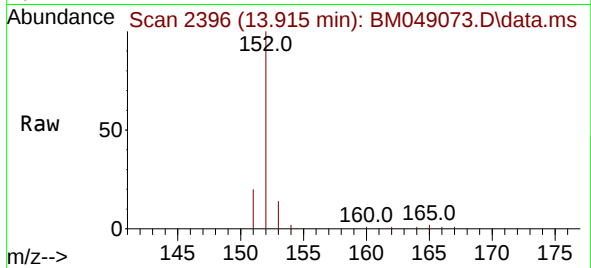




#10
Acenaphthylene
Concen: 0.257 ng/ul
RT: 13.915 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

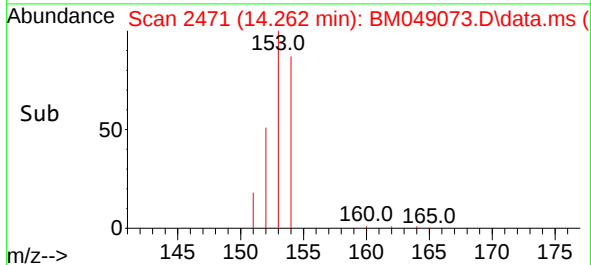
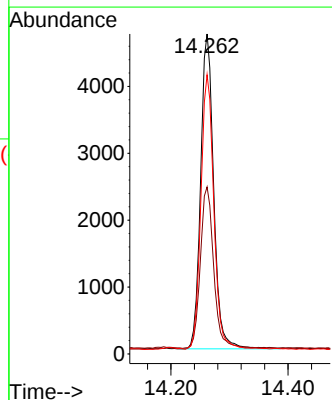
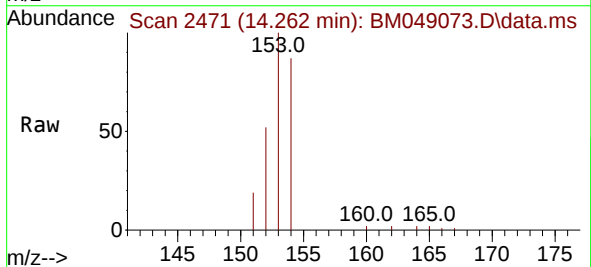
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

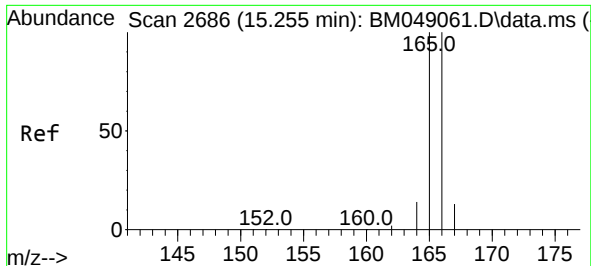
Tgt Ion:152 Resp: 9697
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.1 11.0 16.6



#11
Acenaphthene
Concen: 0.266 ng/ul
RT: 14.262 min Scan# 2471
Delta R.T. -0.003 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion:153 Resp: 7328
Ion Ratio Lower Upper
153 100
152 52.2 40.7 61.1
154 87.2 70.8 106.2

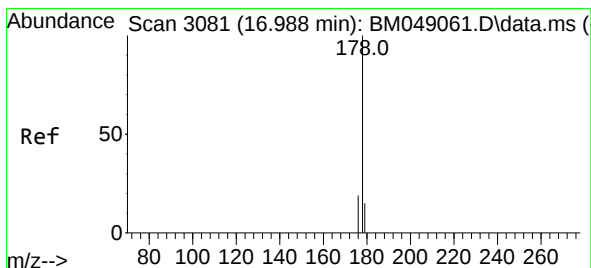
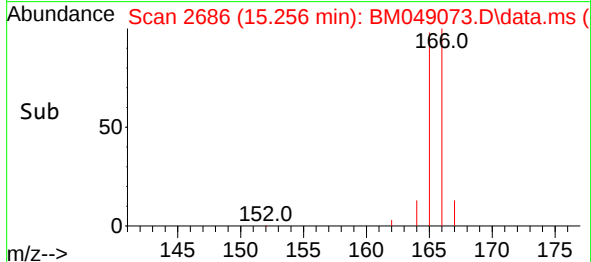
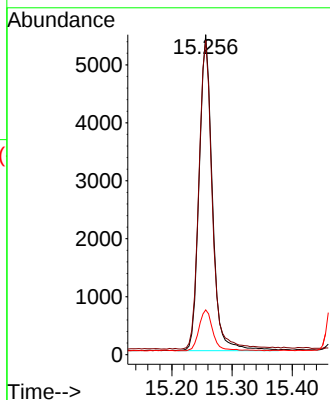
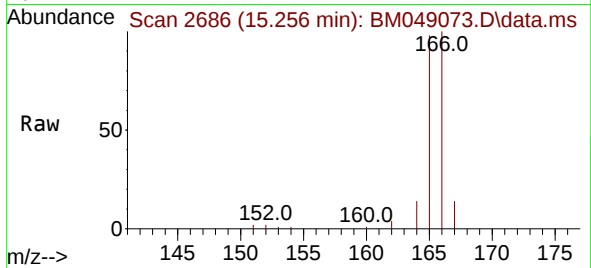




#12
Fluorene
Concen: 0.268 ng/ul
RT: 15.256 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

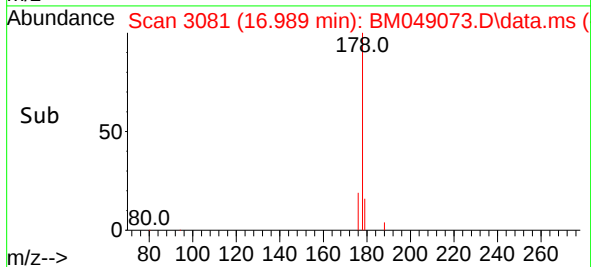
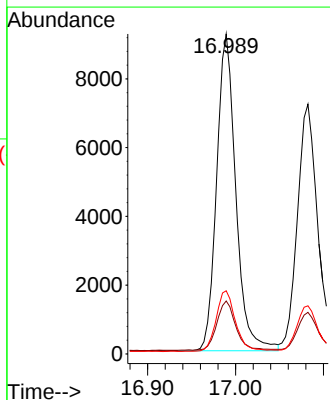
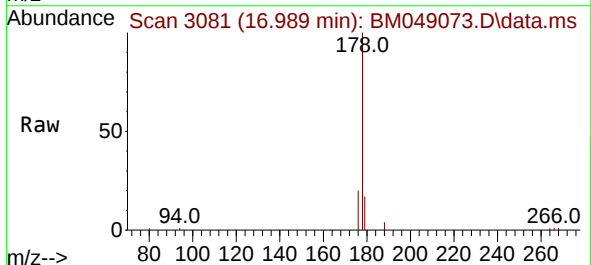
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

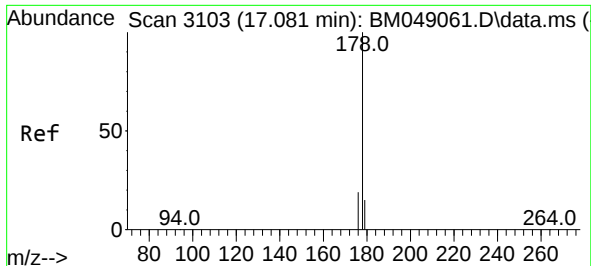
Tgt Ion:166 Resp: 8304
Ion Ratio Lower Upper
166 100
165 98.1 79.7 119.5
167 14.0 11.4 17.0



#15
Phenanthrene
Concen: 0.284 ng/ul
RT: 16.989 min Scan# 3081
Delta R.T. -0.003 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion:178 Resp: 13948
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.4
176 19.7 16.2 24.2

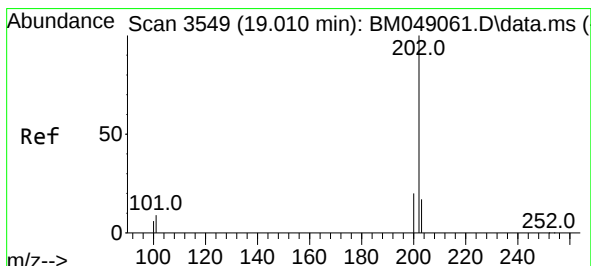
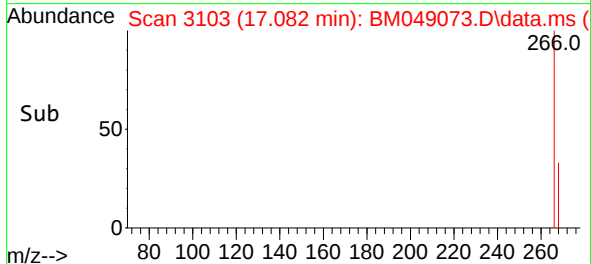
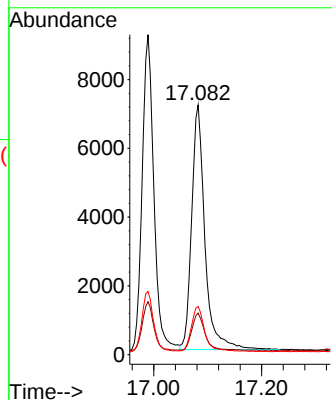
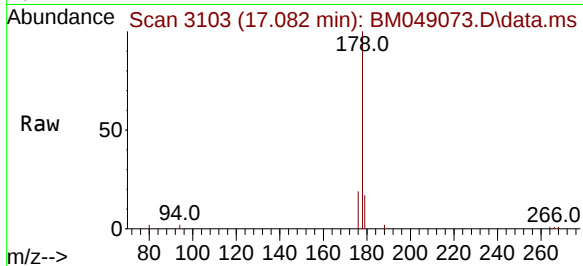




#16
Anthracene
Concen: 0.268 ng/ul
RT: 17.082 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

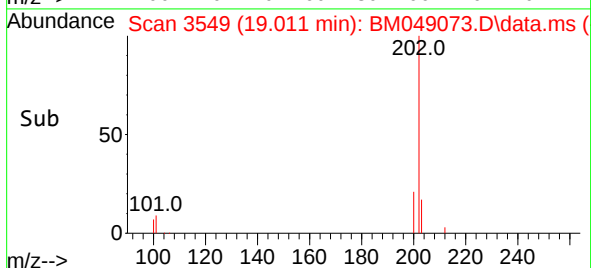
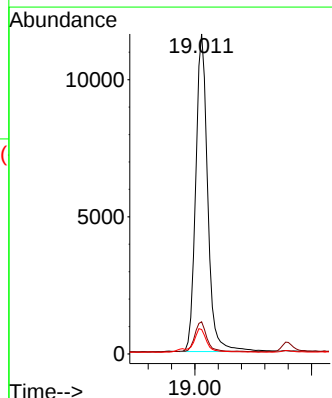
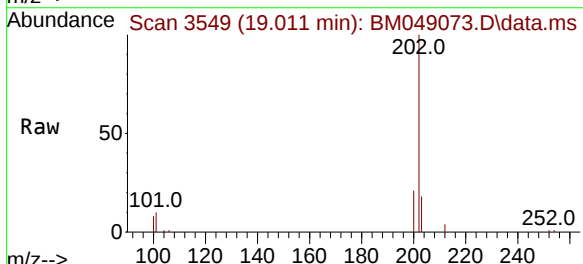
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

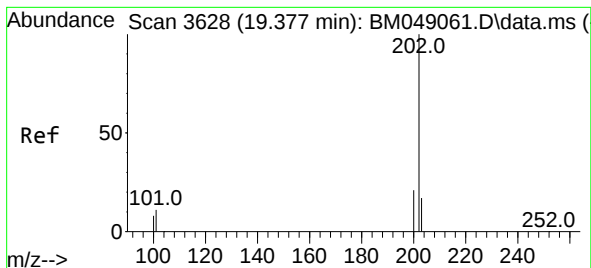
Tgt Ion:	178	Resp:	12092
Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	19.3	15.3	22.9



#19
Fluoranthene
Concen: 0.310 ng/ul
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion:	202	Resp:	16470
Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.6	11.4
100	7.6	5.5	8.3





#20

Pyrene

Concen: 0.311 ng/ul

RT: 19.374 min Scan# 3

Delta R.T. -0.003 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

Instrument :

BNA_M

ClientSampleId :

E2AR4MSD

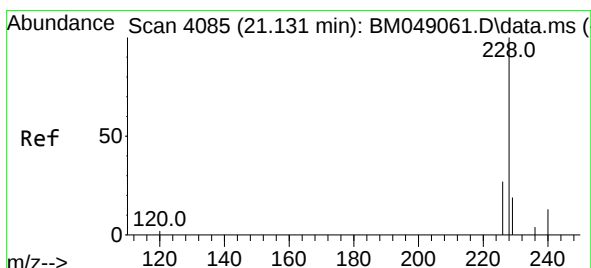
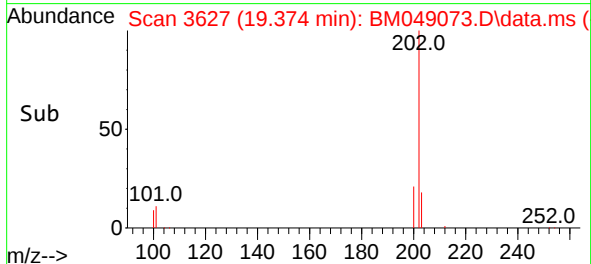
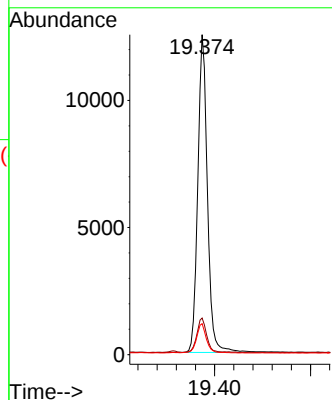
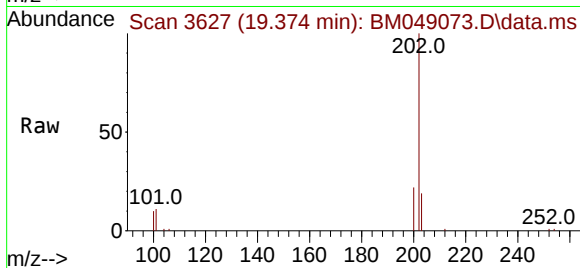
Tgt Ion:202 Resp: 17606

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

100 9.7 6.9 10.3



#21

Benzo(a)anthracene

Concen: 0.286 ng/ul

RT: 21.131 min Scan# 4085

Delta R.T. -0.000 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

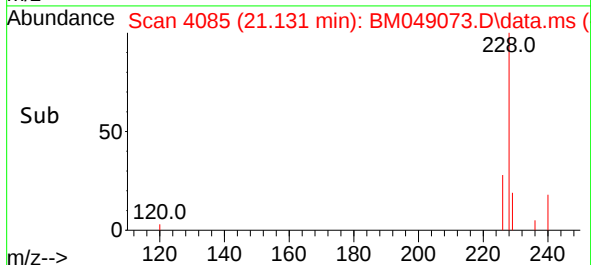
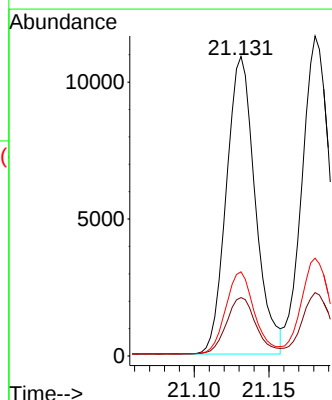
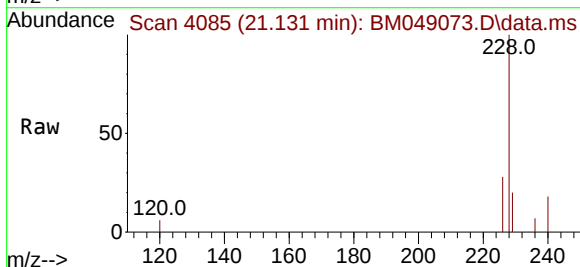
Tgt Ion:228 Resp: 14621

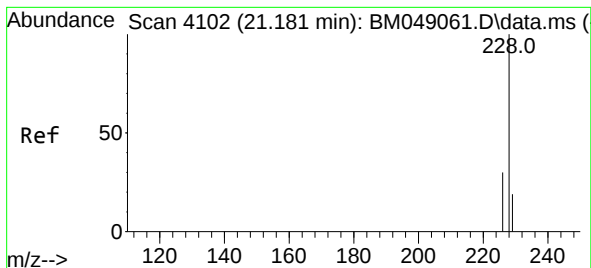
Ion Ratio Lower Upper

228 100

229 19.5 15.9 23.9

226 28.1 22.6 34.0





#22

Chrysene

Concen: 0.296 ng/ul

RT: 21.181 min Scan# 4102

Delta R.T. -0.003 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

Instrument :

BNA_M

ClientSampleId :

E2AR4MSD

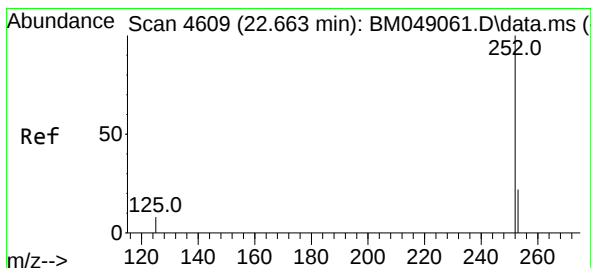
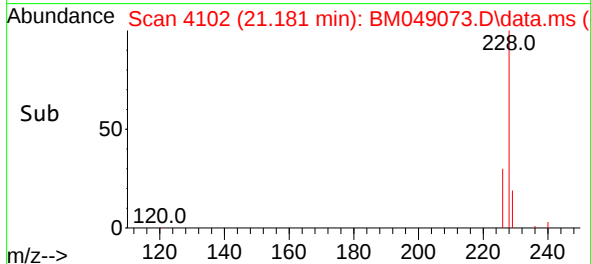
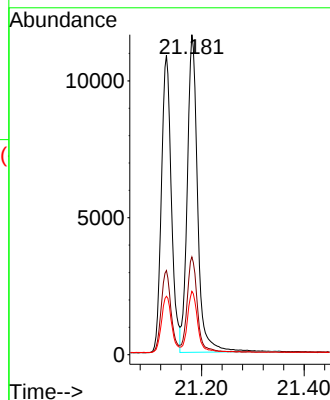
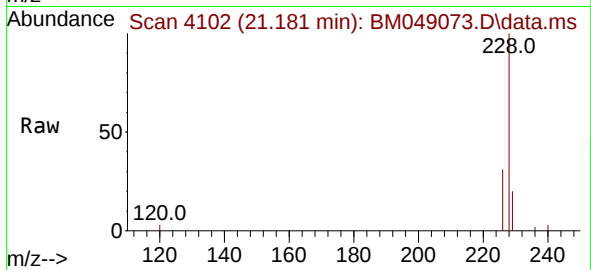
Tgt Ion:228 Resp: 16227

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 19.8 15.8 23.8



#24

Benzo(b)fluoranthene

Concen: 0.313 ng/ul

RT: 22.662 min Scan# 4609

Delta R.T. -0.000 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

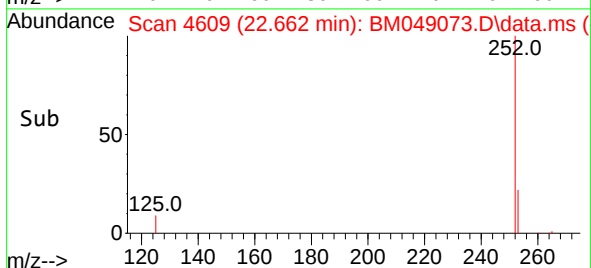
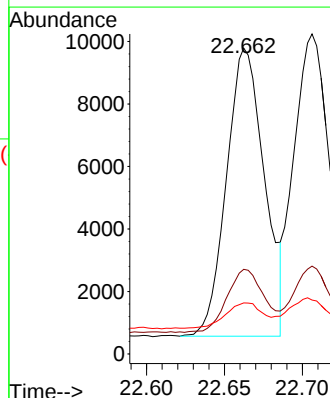
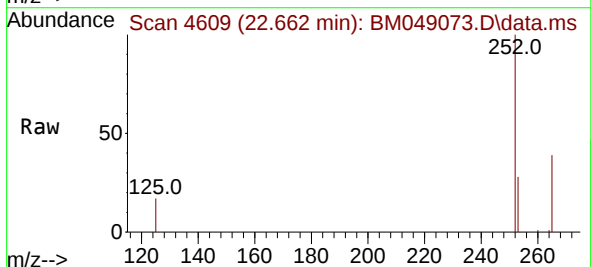
Tgt Ion:252 Resp: 15632

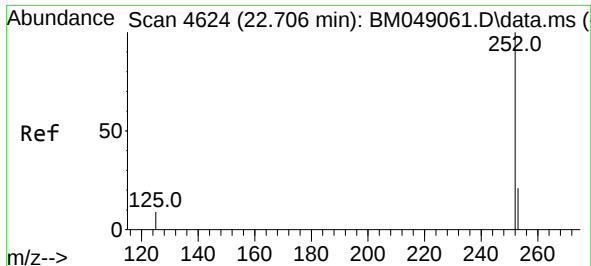
Ion Ratio Lower Upper

252 100

253 27.7 0.0 52.6

125 16.7 0.0 30.8

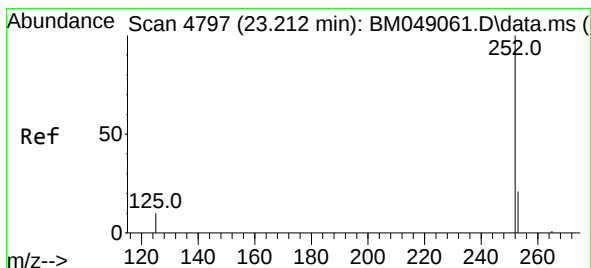
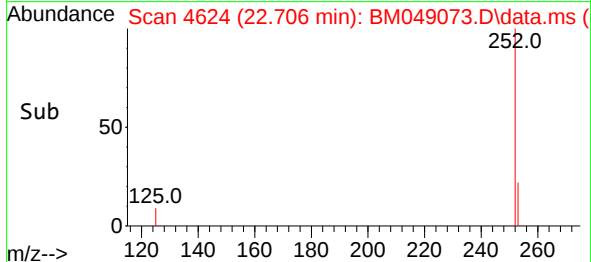
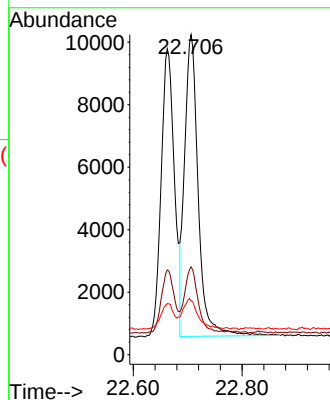
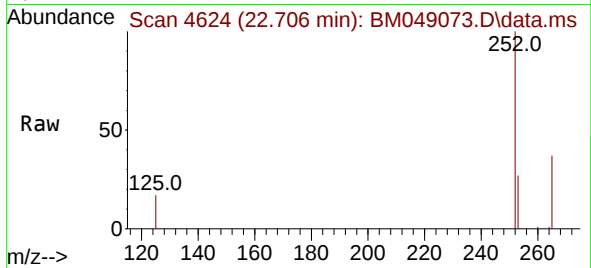




#25
Benzo(k)fluoranthene
Concen: 0.306 ng/ul
RT: 22.706 min Scan# 4624
Delta R.T. -0.000 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

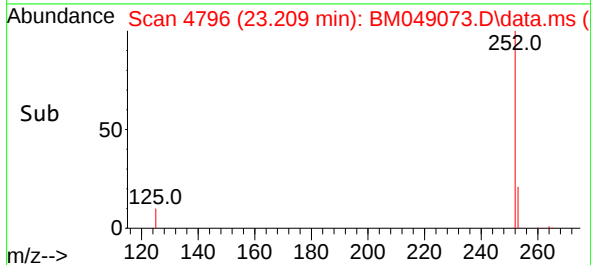
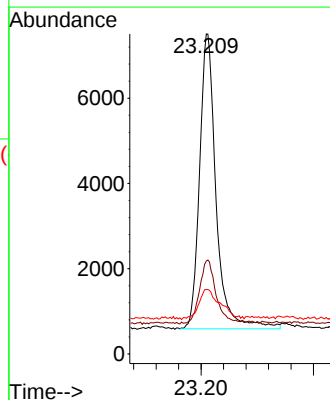
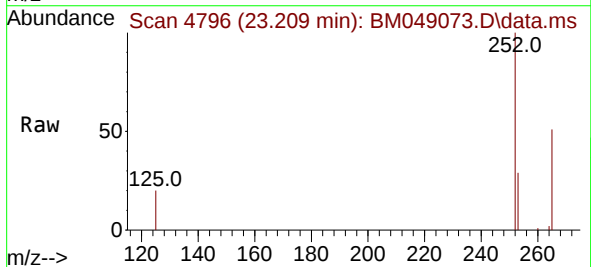
Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

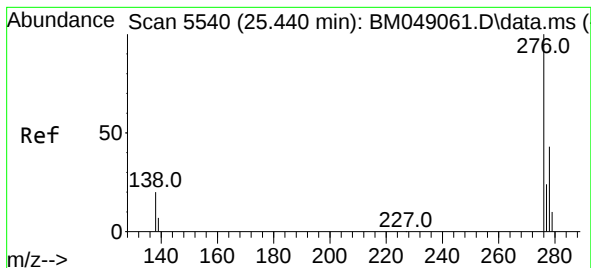
Tgt Ion:252	Resp:	16726
Ion Ratio	Lower	Upper
252	100	
253	27.4	21.3 31.9
125	16.8	12.6 18.8



#26
Benzo(a)pyrene
Concen: 0.295 ng/ul
RT: 23.209 min Scan# 4796
Delta R.T. -0.000 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Tgt Ion:252	Resp:	14088
Ion Ratio	Lower	Upper
252	100	
253	29.1	22.4 33.6
125	20.2	14.8 22.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.283 ng/ul

RT: 25.443 min Scan# 5541

Delta R.T. -0.004 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

Instrument :

BNA_M

ClientSampleId :

E2AR4MSD

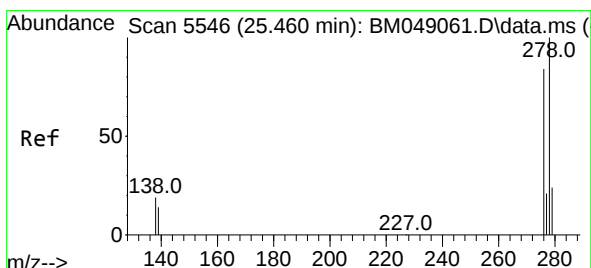
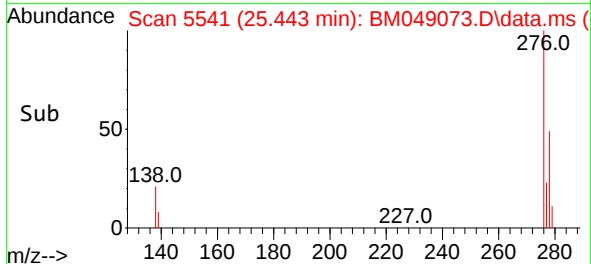
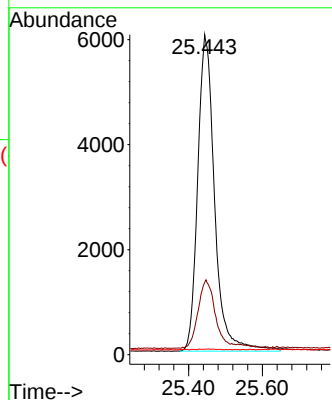
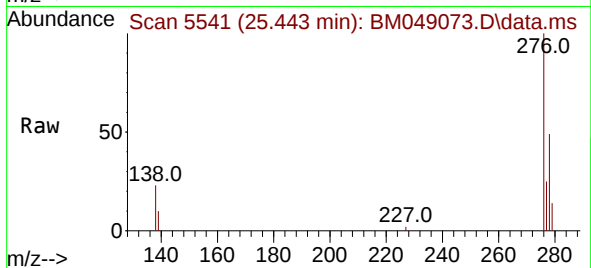
Tgt Ion:276 Resp: 19141

Ion Ratio Lower Upper

276 100

138 23.2 17.4 26.2

227 0.0 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.284 ng/ul

RT: 25.460 min Scan# 5546

Delta R.T. -0.007 min

Lab File: BM049073.D

Acq: 19 Dec 2024 16:42

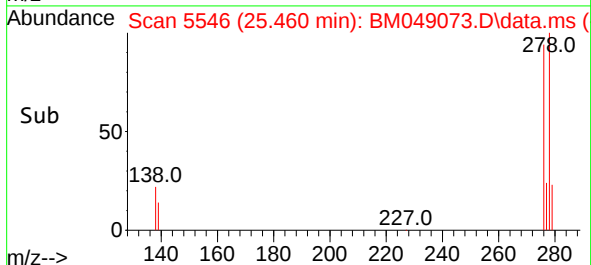
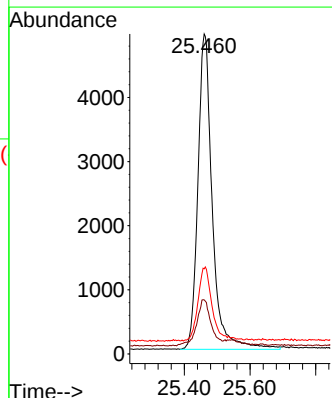
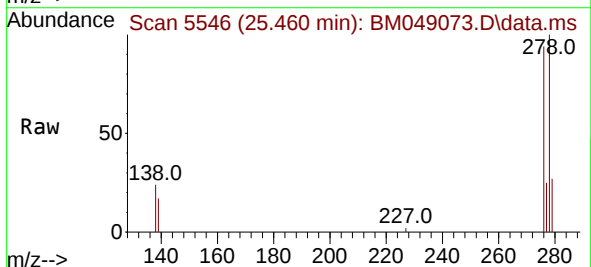
Tgt Ion:278 Resp: 14944

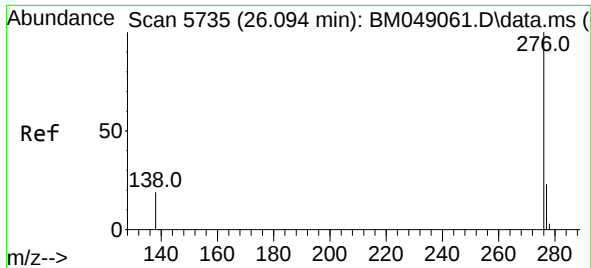
Ion Ratio Lower Upper

278 100

139 16.9 13.5 20.3

279 26.6 21.5 32.3





#29
Benzo(g,h,i)perylene
Concen: 0.286 ng/ul
RT: 26.094 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049073.D
Acq: 19 Dec 2024 16:42

Instrument :
BNA_M
ClientSampleId :
E2AR4MSD

Tgt Ion:	276	Resp:	15572
Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.7	25.1
277	25.6	19.9	29.9

