

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049187.D
 Acq On : 24 Dec 2024 16:31
 Operator : RC/JU
 Sample : P5302-04MS
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AR6MS

Quant Time: Dec 24 21:41:16 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)

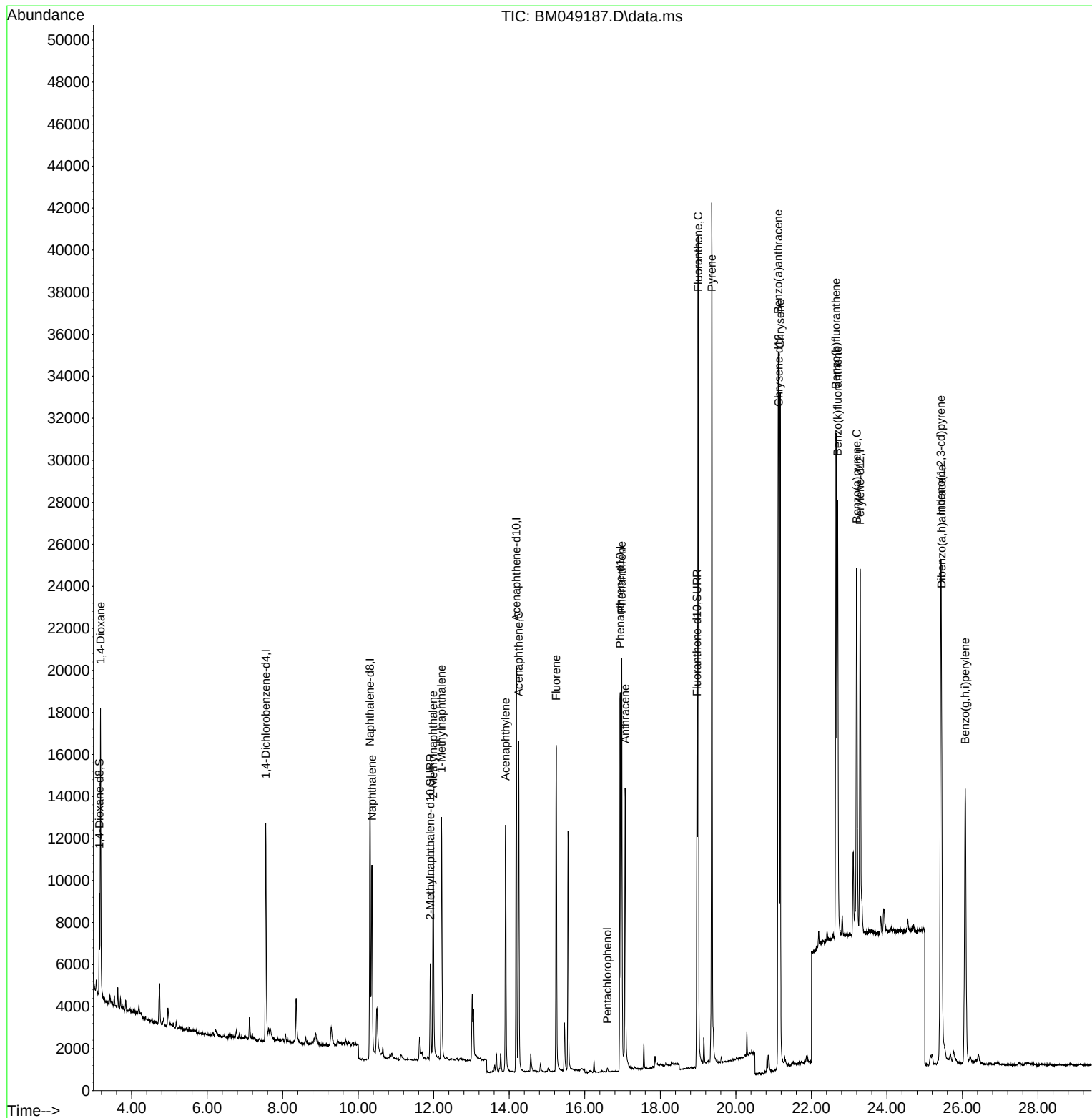
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	6104	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	19345	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	11261	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.937	188	23598	0.400	ng/ul	-0.01
17) Chrysene-d12	21.137	240	21048	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	22537	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	2918	0.415	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.908	152	7358	0.283	ng/ul	-0.02
18) Fluoranthene-d10	18.973	212	18476	0.309	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.176	88	8556	1.040	ng/ul#	81
5) Naphthalene	10.363	128	13365	0.276	ng/ul	99
7) 2-Methylnaphthalene	11.985	142	8849	0.288	ng/ul	100
8) 1-Methylnaphthalene	12.205	142	8882	0.283	ng/ul	100
10) Acenaphthylene	13.904	152	14049	0.301	ng/ul	100
11) Acenaphthene	14.251	153	9558	0.281	ng/ul	99
12) Fluorene	15.241	166	11069	0.288	ng/ul	99
14) Pentachlorophenol	16.599	266	181	0.028	ng/ul	99
15) Phenanthrene	16.979	178	21723	0.352	ng/ul	99
16) Anthracene	17.068	178	16850	0.298	ng/ul	99
19) Fluoranthene	19.001	202	36729	0.483	ng/ul	99
20) Pyrene	19.363	202	35999	0.444	ng/ul	100
21) Benzo(a)anthracene	21.123	228	26762	0.366	ng/ul	100
22) Chrysene	21.175	228	28927	0.368	ng/ul	98
24) Benzo(b)fluoranthene	22.654	252	30655	0.426	ng/ul	97
25) Benzo(k)fluoranthene	22.695	252	27824	0.352	ng/ul	99
26) Benzo(a)pyrene	23.201	252	25332	0.367	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.430	276	32143	0.329	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.444	278	21981	0.290	ng/ul	99
29) Benzo(g,h,i)perylene	26.074	276	26960	0.343	ng/ul	99

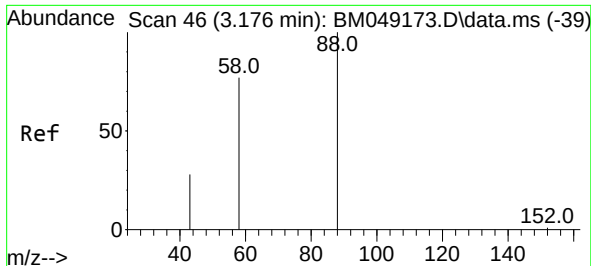
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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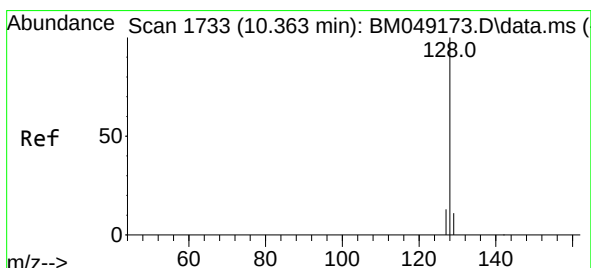
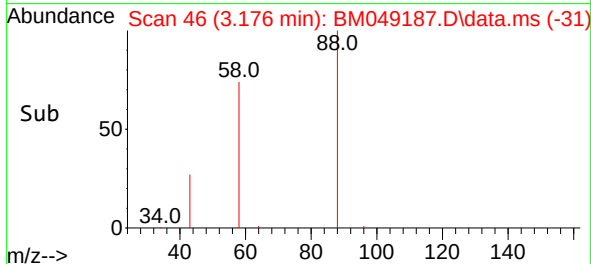
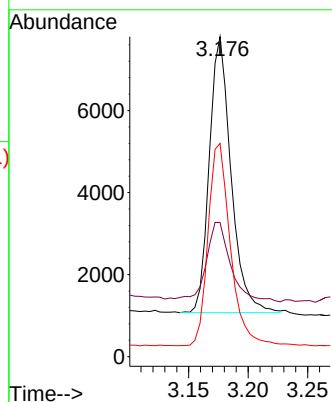
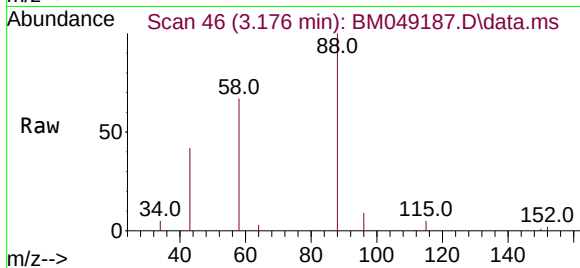




#2
1,4-Dioxane
Concen: 1.040 ng/ul
RT: 3.176 min Scan# 46
Delta R.T. -0.009 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

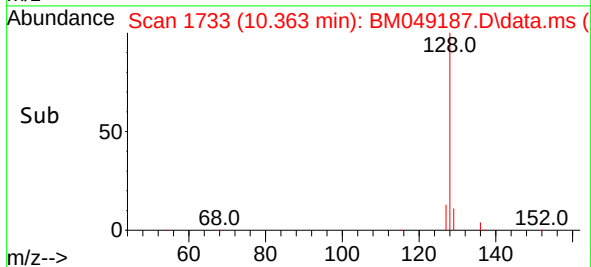
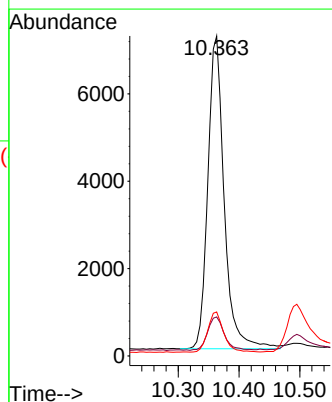
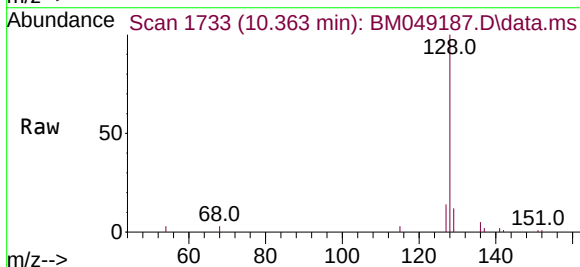
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

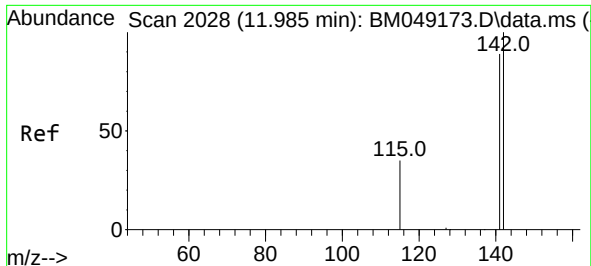
Tgt Ion: 88 Resp: 8556
Ion Ratio Lower Upper
88 100
43 42.0 45.4 68.2#
58 66.7 43.6 65.4#



#5
Naphthalene
Concen: 0.276 ng/ul
RT: 10.363 min Scan# 1733
Delta R.T. -0.017 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion: 128 Resp: 13365
Ion Ratio Lower Upper
128 100
129 12.2 9.7 14.5
127 13.8 10.6 16.0

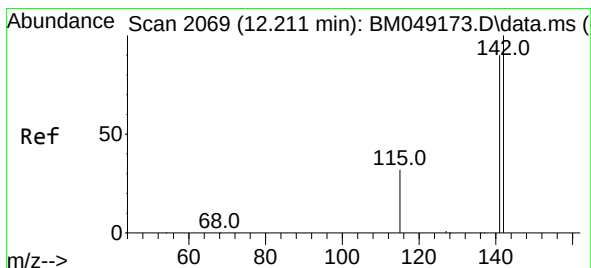
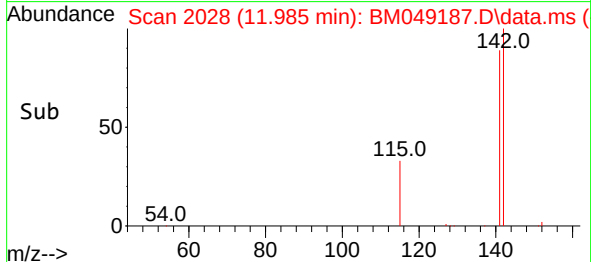
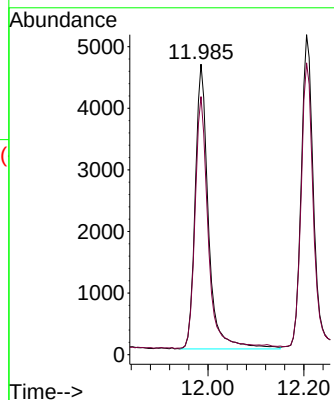
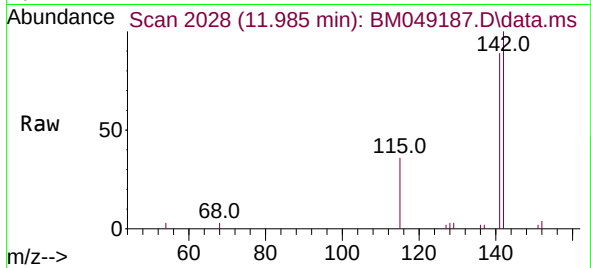




#7
2-Methylnaphthalene
Concen: 0.288 ng/ul
RT: 11.985 min Scan# 2028
Delta R.T. -0.017 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

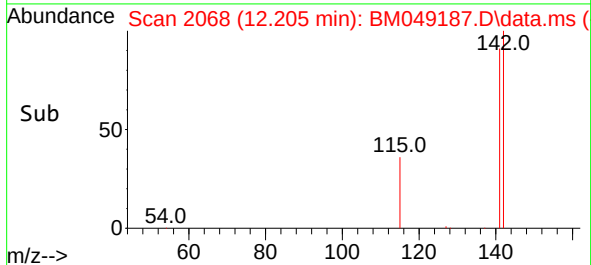
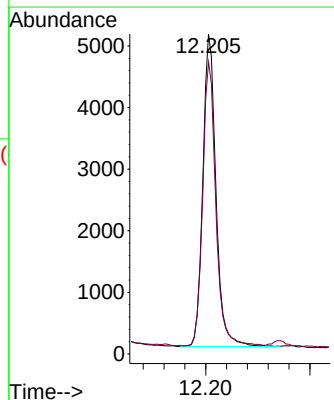
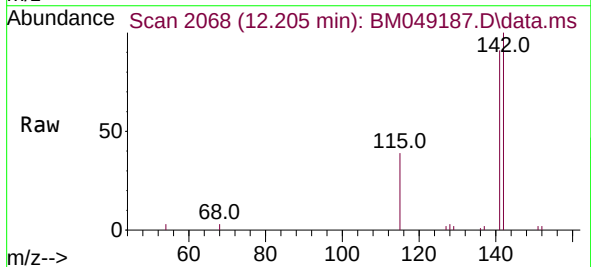
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

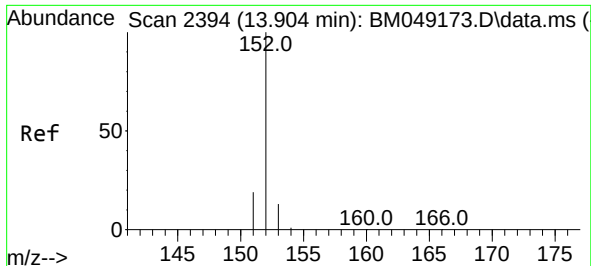
Tgt Ion:142 Resp: 8849
Ion Ratio Lower Upper
142 100
141 89.5 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.283 ng/ul
RT: 12.205 min Scan# 2068
Delta R.T. -0.017 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion:142 Resp: 8882
Ion Ratio Lower Upper
142 100
141 90.9 72.7 109.1

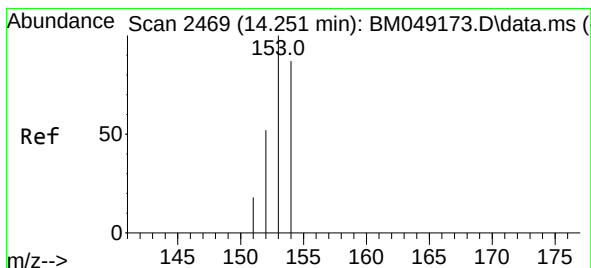
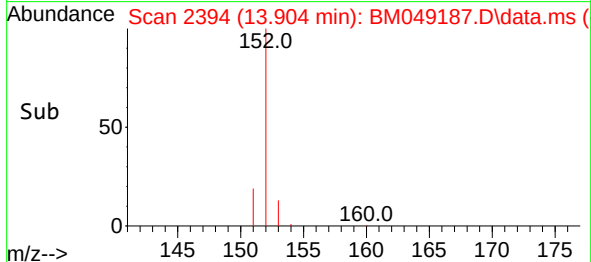
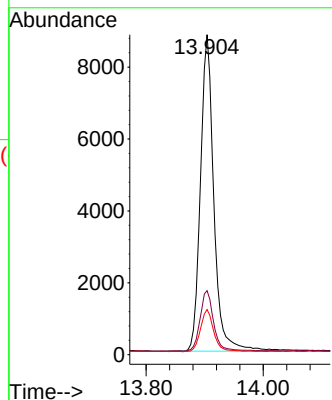
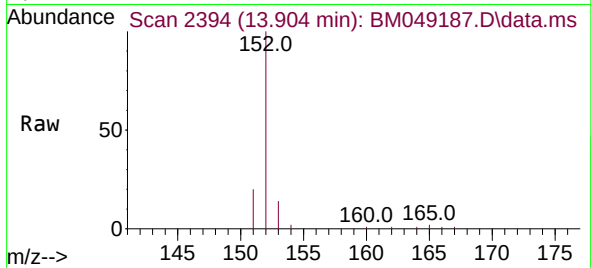




#10
Acenaphthylene
Concen: 0.301 ng/ul
RT: 13.904 min Scan# 2394
Delta R.T. -0.014 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

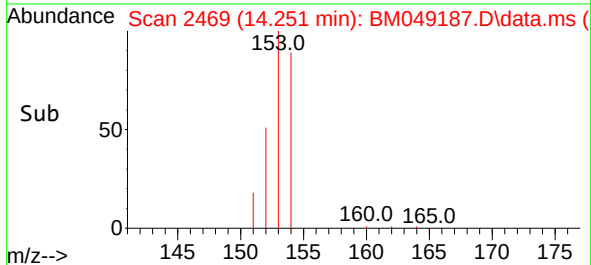
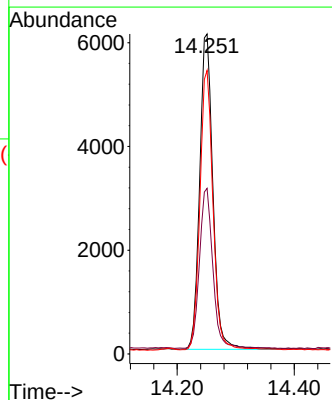
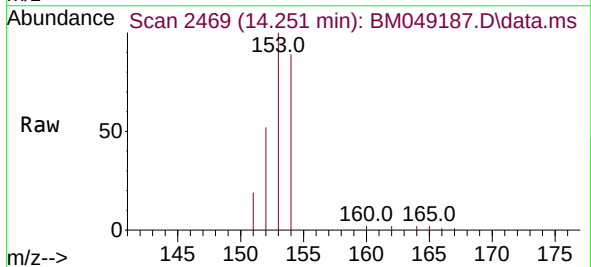
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

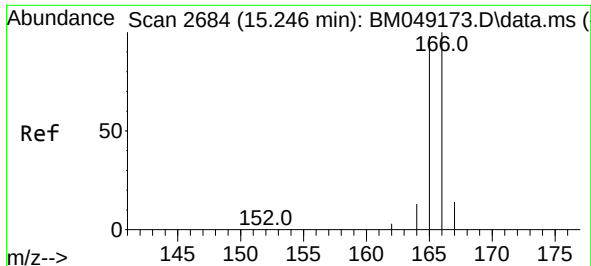
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	14.1	11.0	16.6



#11
Acenaphthene
Concen: 0.281 ng/ul
RT: 14.251 min Scan# 2469
Delta R.T. -0.014 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.7	40.7	61.1
154	88.6	70.8	106.2

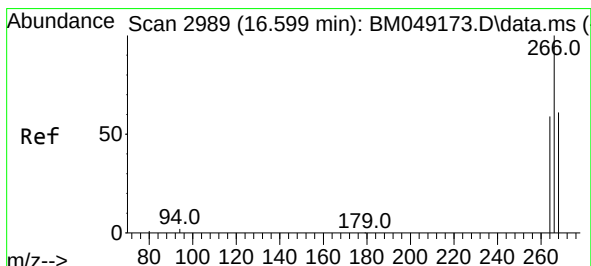
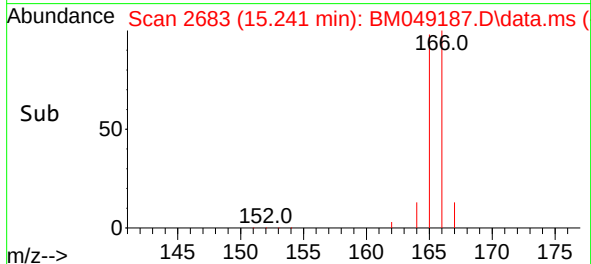
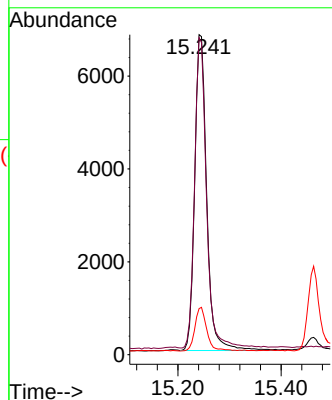
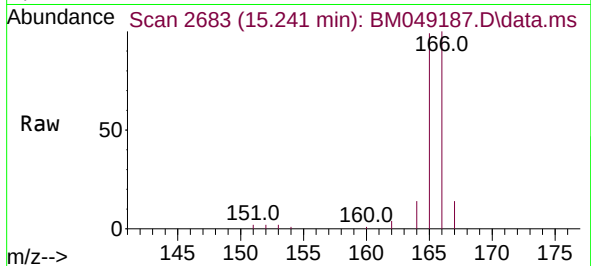




#12
Fluorene
Concen: 0.288 ng/ul
RT: 15.241 min Scan# 20
Delta R.T. -0.014 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

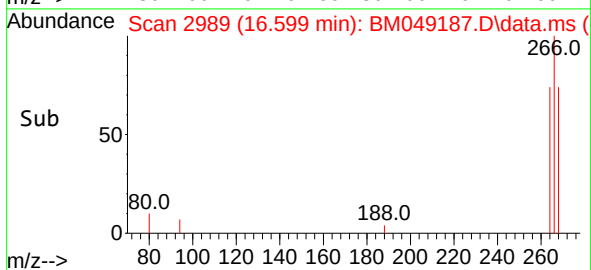
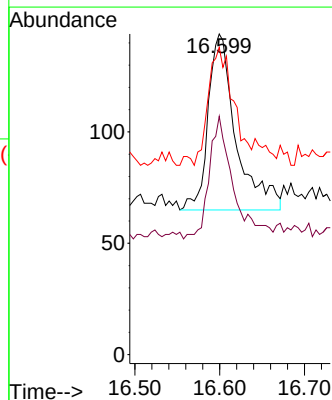
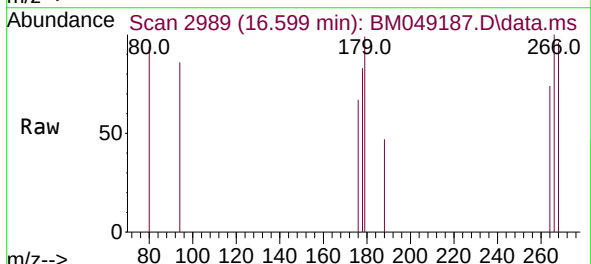
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

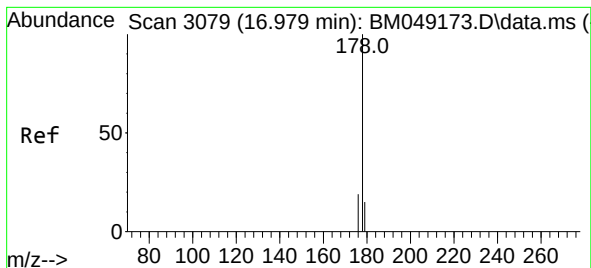
Tgt Ion:166 Resp: 11069
Ion Ratio Lower Upper
166 100
165 99.0 79.7 119.5
167 14.4 11.4 17.0



#14
Pentachlorophenol
Concen: 0.028 ng/ul
RT: 16.599 min Scan# 2989
Delta R.T. -0.008 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion:266 Resp: 181
Ion Ratio Lower Upper
266 100
264 59.7 48.3 72.5
268 60.2 47.5 71.3





#15

Phenanthrene

Concen: 0.352 ng/ul

RT: 16.979 min Scan# 3079

Delta R.T. -0.013 min

Lab File: BM049187.D

Acq: 24 Dec 2024 16:31

Instrument :

BNA_M

ClientSampleId :

E2AR6MS

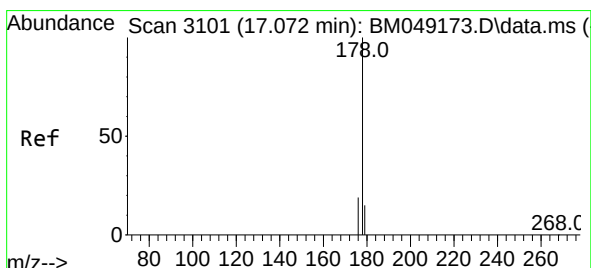
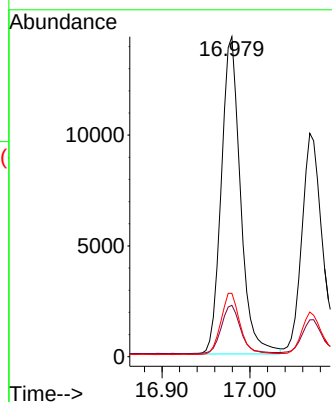
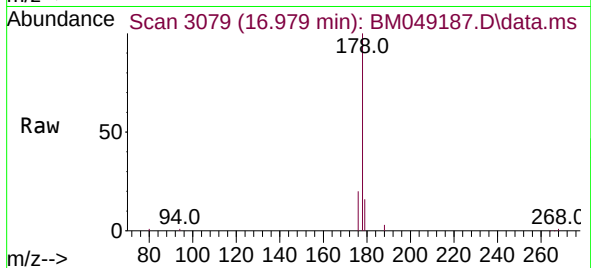
Tgt Ion:178 Resp: 21723

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.4

176 19.8 16.2 24.2



#16

Anthracene

Concen: 0.298 ng/ul

RT: 17.068 min Scan# 3100

Delta R.T. -0.017 min

Lab File: BM049187.D

Acq: 24 Dec 2024 16:31

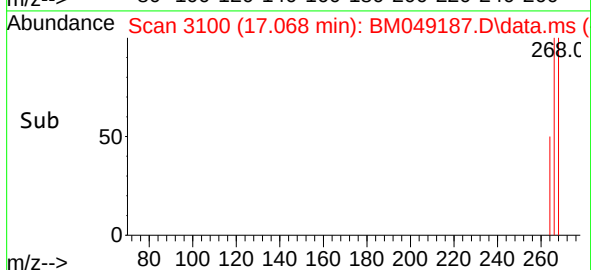
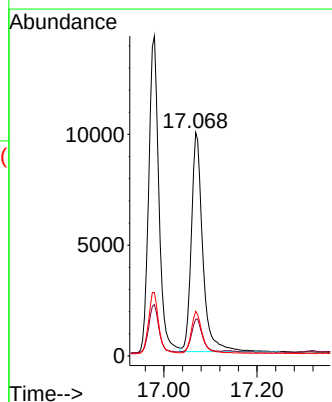
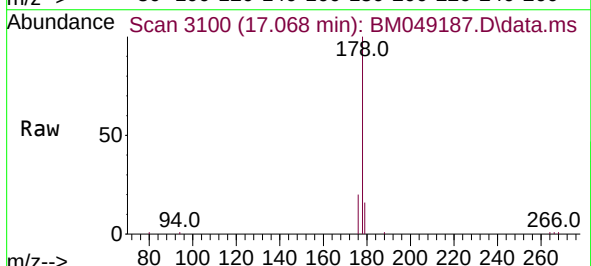
Tgt Ion:178 Resp: 16850

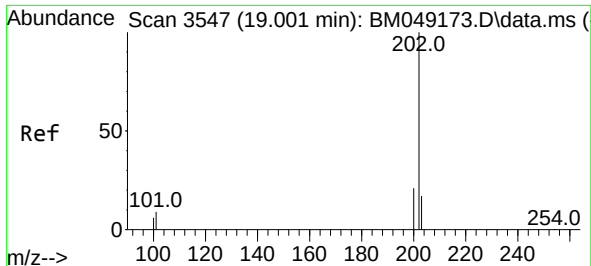
Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

176 20.0 15.3 22.9

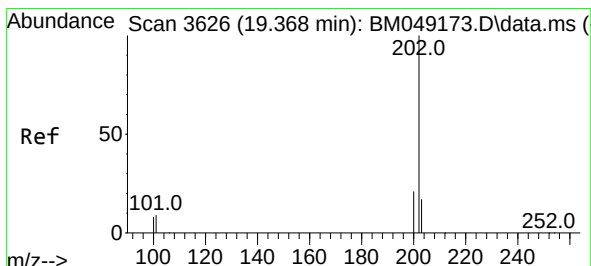
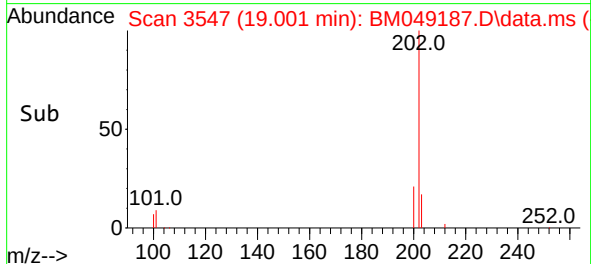
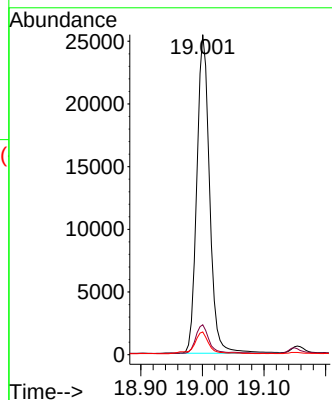
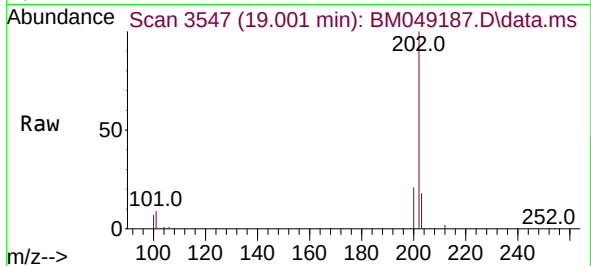




#19
Fluoranthene
Concen: 0.483 ng/u1
RT: 19.001 min Scan# 3547
Delta R.T. -0.014 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

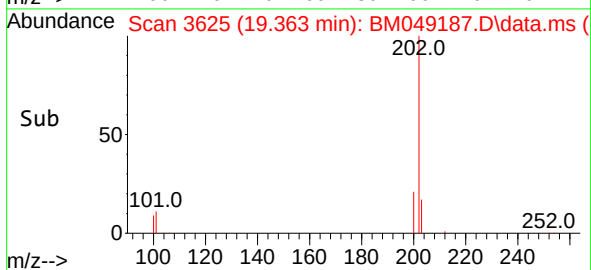
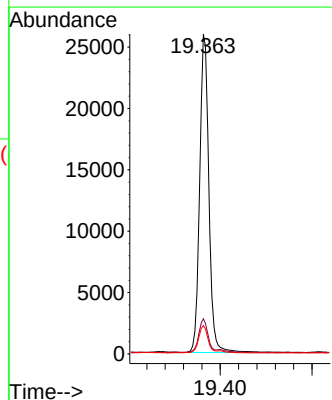
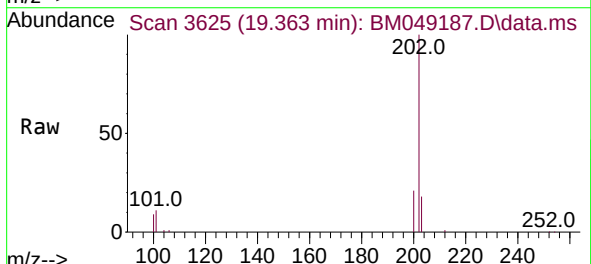
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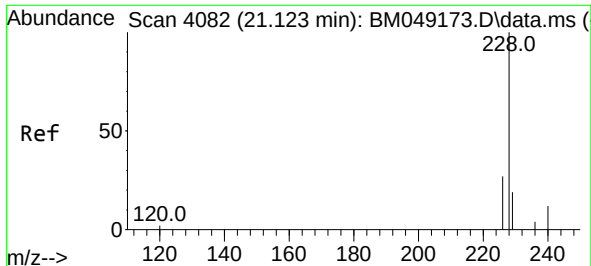
Tgt Ion:202 Resp: 36729
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
100 7.1 5.5 8.3



#20
Pyrene
Concen: 0.444 ng/u1
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion:202 Resp: 35999
Ion Ratio Lower Upper
202 100
101 11.0 8.9 13.3
100 8.8 6.9 10.3

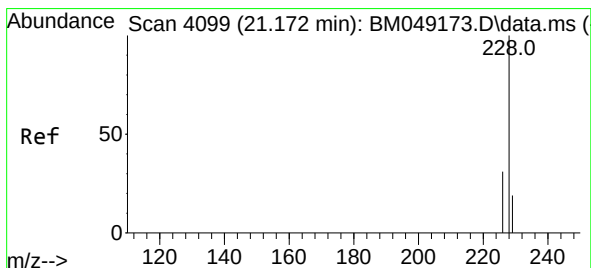
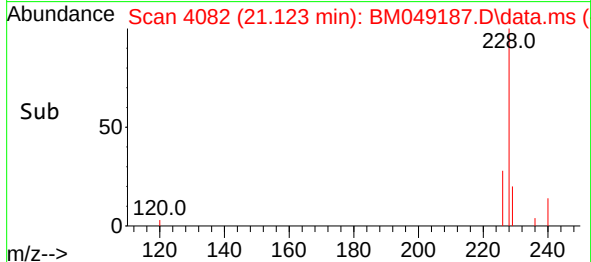
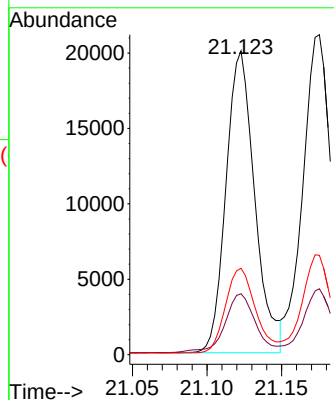
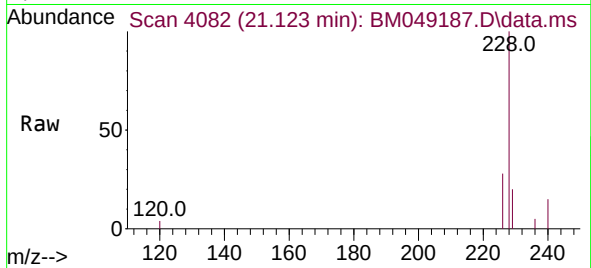




#21
Benzo(a)anthracene
Concen: 0.366 ng/ul
RT: 21.123 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

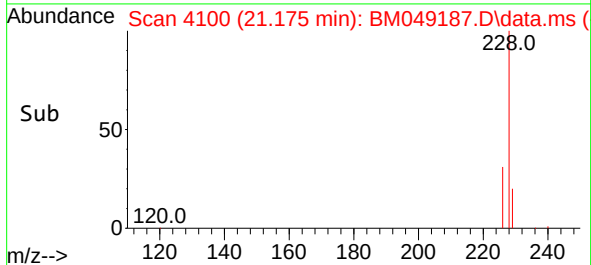
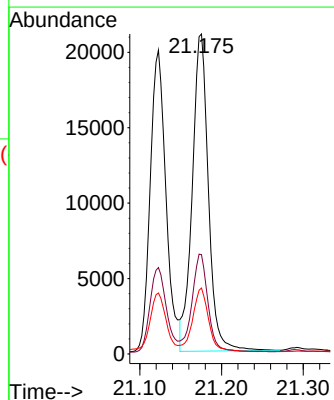
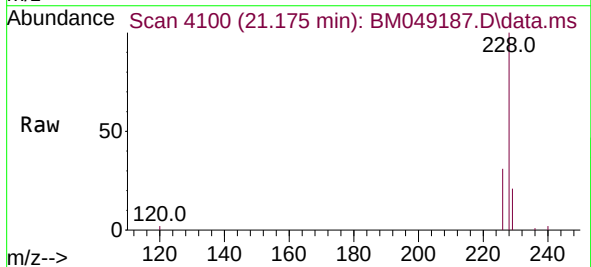
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

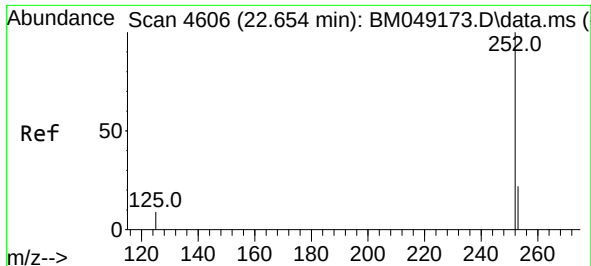
Tgt Ion:228 Resp: 26762
Ion Ratio Lower Upper
228 100
229 20.1 15.9 23.9
226 28.5 22.6 34.0



#22
Chrysene
Concen: 0.368 ng/ul
RT: 21.175 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion:228 Resp: 28927
Ion Ratio Lower Upper
228 100
226 31.1 24.1 36.1
229 20.6 15.8 23.8

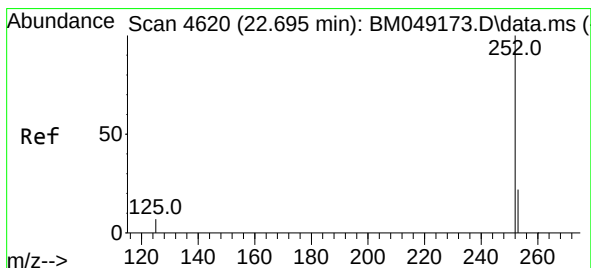
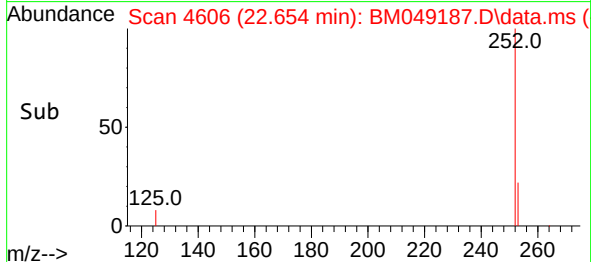
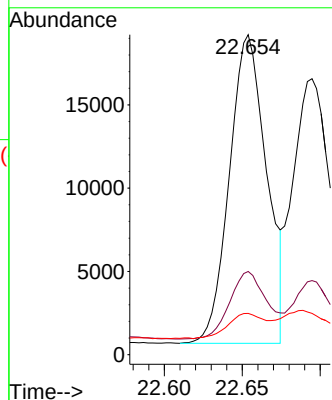
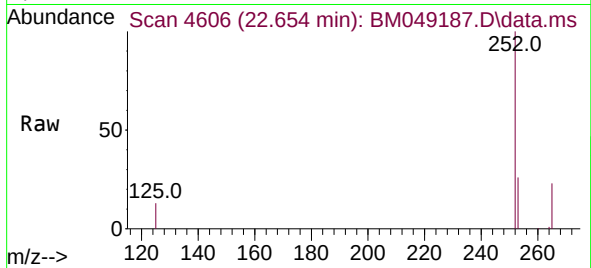




#24
Benzo(b)fluoranthene
Concen: 0.426 ng/ul
RT: 22.654 min Scan# 4606
Delta R.T. -0.009 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

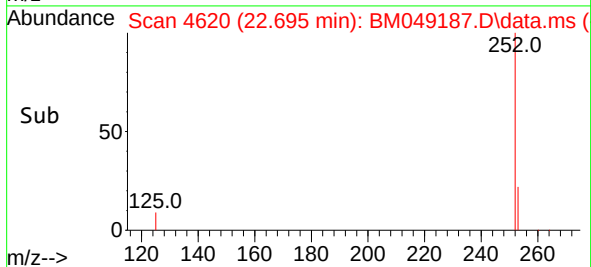
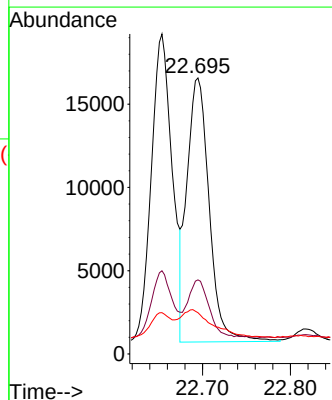
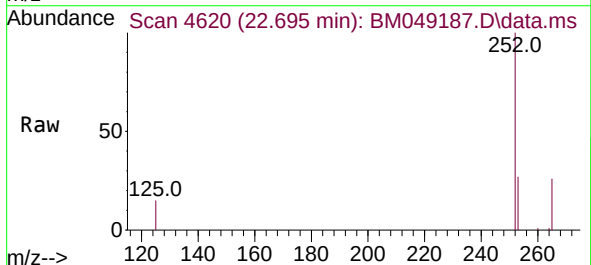
Instrument :
BNA_M
ClientSampleId :
E2AR6MS

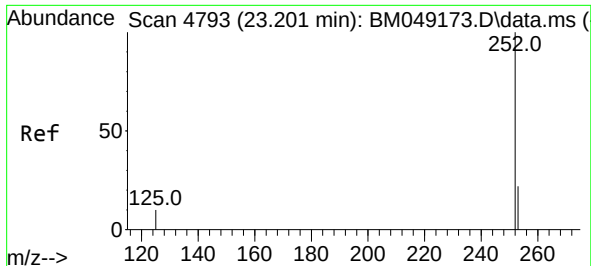
Tgt Ion:252 Resp: 30655
Ion Ratio Lower Upper
252 100
253 26.0 0.0 52.6
125 12.9 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.352 ng/ul
RT: 22.695 min Scan# 4620
Delta R.T. -0.012 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

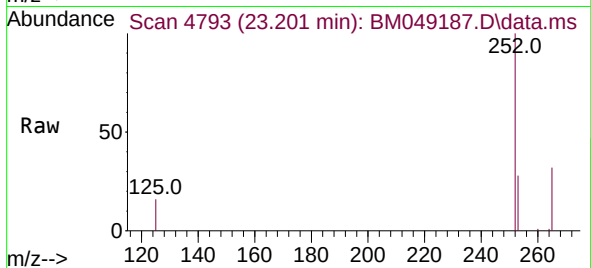
Tgt Ion:252 Resp: 27824
Ion Ratio Lower Upper
252 100
253 26.8 21.3 31.9
125 15.0 12.6 18.8



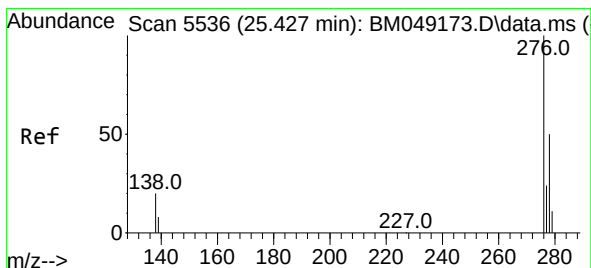
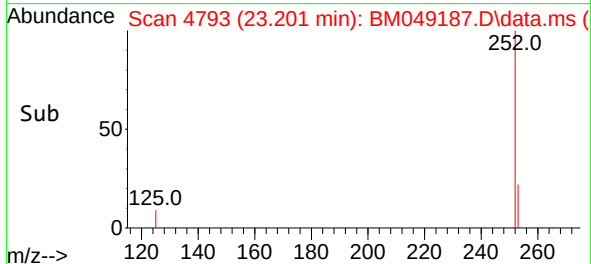
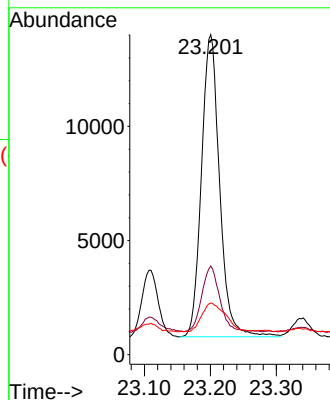


#26
Benzo(a)pyrene
Concen: 0.367 ng/ul
RT: 23.201 min Scan# 41
Delta R.T. -0.009 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Instrument :
BNA_M
ClientSampleId :
E2AR6MS

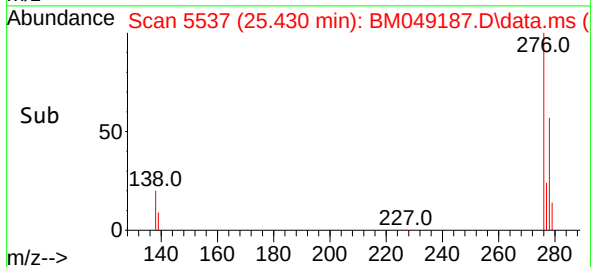
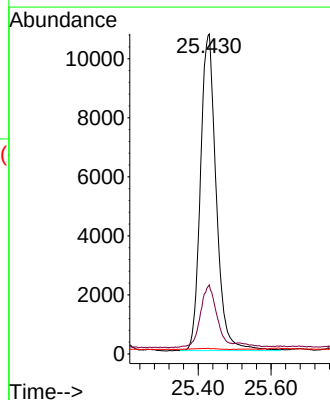
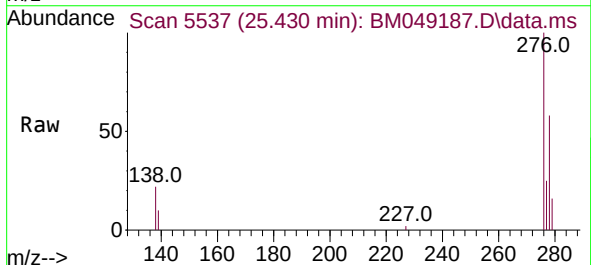


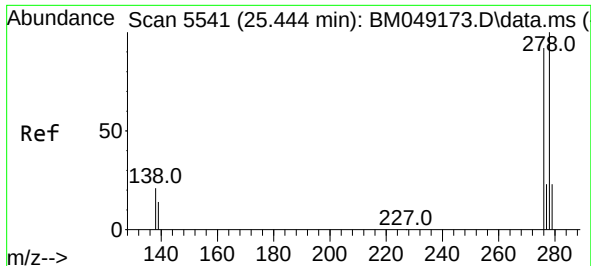
Tgt Ion:252 Resp: 25332
Ion Ratio Lower Upper
252 100
253 27.7 22.4 33.6
125 16.2 14.8 22.2



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.329 ng/ul
RT: 25.430 min Scan# 5537
Delta R.T. -0.017 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

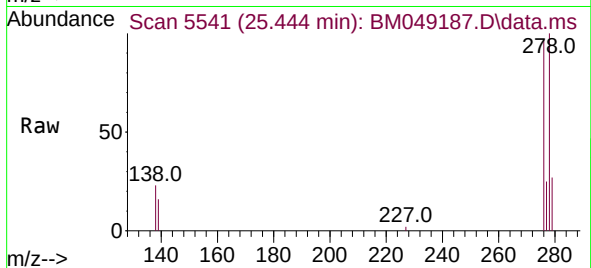
Tgt Ion:276 Resp: 32143
Ion Ratio Lower Upper
276 100
138 22.4 17.4 26.2
227 0.0 0.2 0.2#



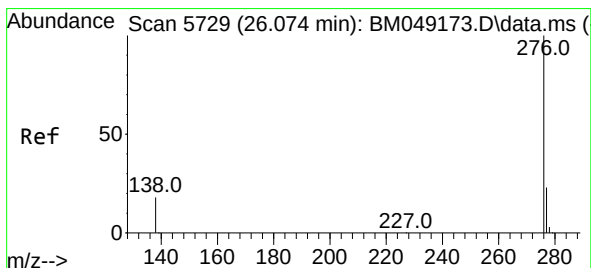
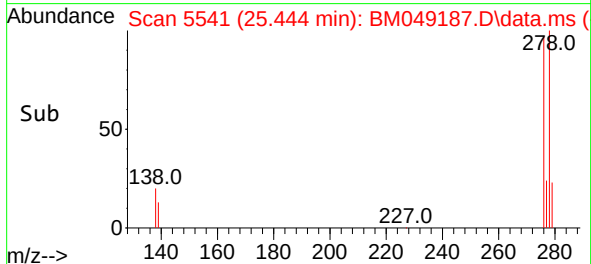
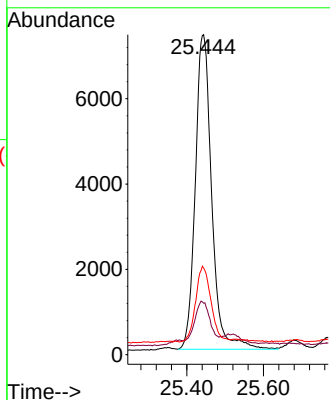


#28
Dibenzo(a,h)anthracene
Concen: 0.290 ng/ul
RT: 25.444 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Instrument :
BNA_M
ClientSampleId :
E2AR6MS



Tgt Ion:278 Resp: 21981
Ion Ratio Lower Upper
278 100
139 16.1 13.5 20.3
279 27.0 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.343 ng/ul
RT: 26.074 min Scan# 5729
Delta R.T. -0.020 min
Lab File: BM049187.D
Acq: 24 Dec 2024 16:31

Tgt Ion:276 Resp: 26960
Ion Ratio Lower Upper
276 100
138 20.0 16.7 25.1
277 24.8 19.9 29.9

