

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049188.D
 Acq On : 24 Dec 2024 17:06
 Operator : RC/JU
 Sample : P5302-05MSD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AR6MSD

Quant Time: Dec 24 21:41:28 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)

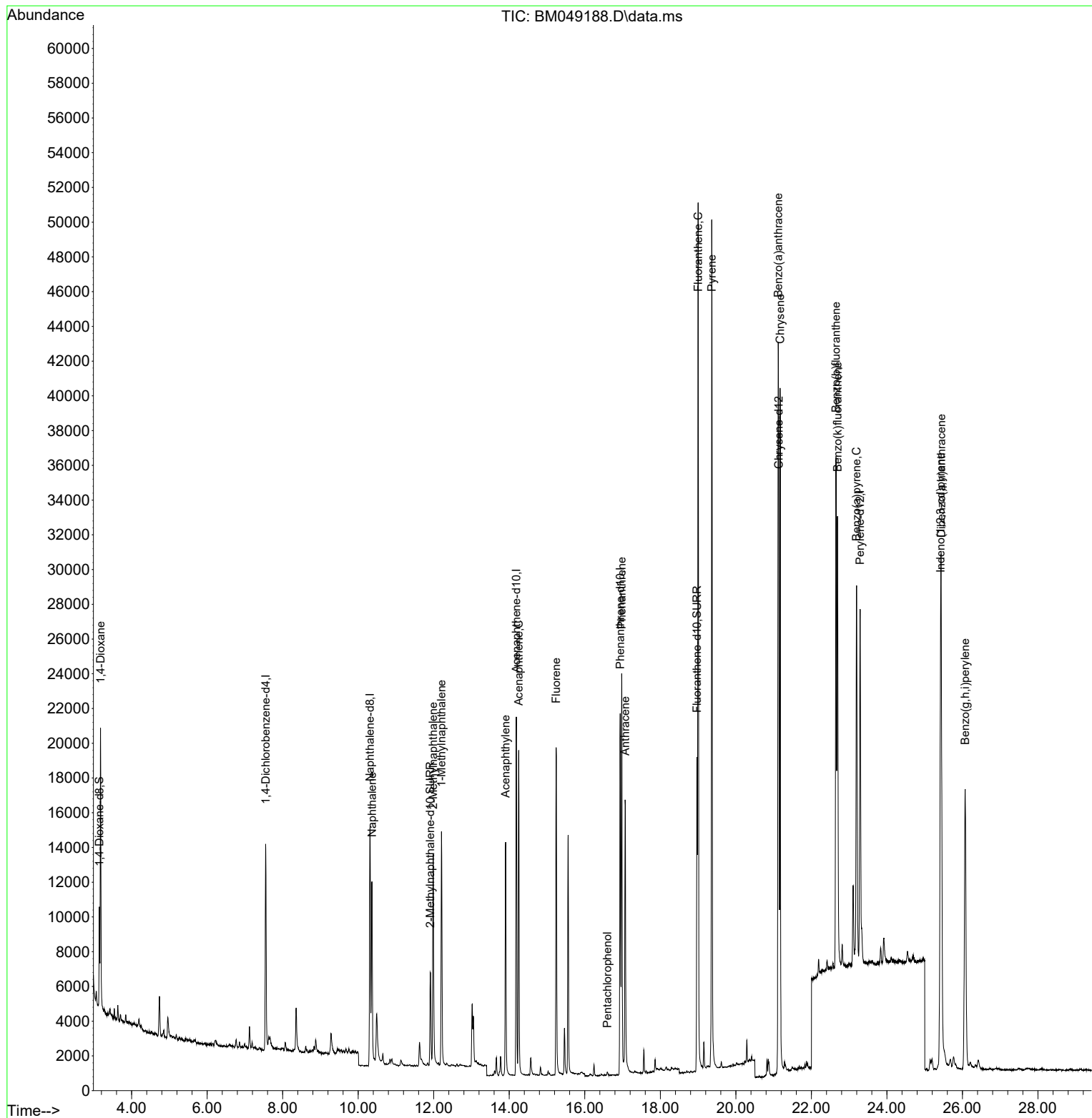
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	6615	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	20634	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	12050	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.937	188	25790	0.400	ng/ul	-0.01
17) Chrysene-d12	21.137	240	23388	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	25476	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	3377	0.443	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.909	152	8609	0.310	ng/ul	-0.02
18) Fluoranthene-d10	18.973	212	21922	0.330	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.176	88	9909	1.111	ng/ul#	80
5) Naphthalene	10.363	128	15549	0.301	ng/ul	100
7) 2-Methylnaphthalene	11.986	142	10204	0.312	ng/ul	98
8) 1-Methylnaphthalene	12.206	142	10250	0.306	ng/ul	99
10) Acenaphthylene	13.904	152	16439	0.329	ng/ul	99
11) Acenaphthene	14.251	153	11062	0.303	ng/ul	99
12) Fluorene	15.241	166	12829	0.312	ng/ul	99
14) Pentachlorophenol	16.600	266	169	0.024	ng/ul#	87
15) Phenanthrene	16.975	178	25746	0.382	ng/ul	100
16) Anthracene	17.068	178	19775	0.320	ng/ul	99
19) Fluoranthene	19.001	202	43802	0.518	ng/ul	99
20) Pyrene	19.363	202	42693	0.473	ng/ul	99
21) Benzo(a)anthracene	21.123	228	32303	0.397	ng/ul	100
22) Chrysene	21.172	228	34938	0.400	ng/ul	99
24) Benzo(b)fluoranthene	22.651	252	38802	0.477	ng/ul	95
25) Benzo(k)fluoranthene	22.692	252	32830	0.368	ng/ul	98
26) Benzo(a)pyrene	23.198	252	31028	0.398	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.420	276	39679	0.359	ng/ul	99
28) Dibenzo(a,h)anthracene	25.437	278	27172	0.317	ng/ul	98
29) Benzo(g,h,i)perylene	26.074	276	33453	0.377	ng/ul	98

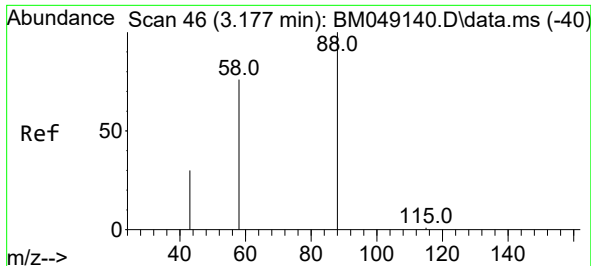
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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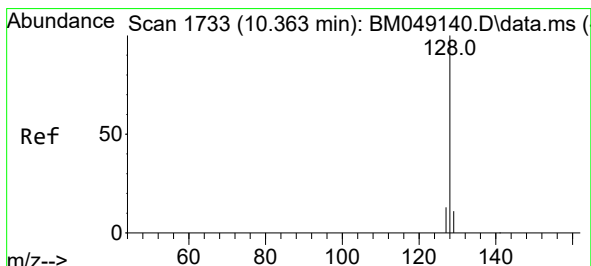
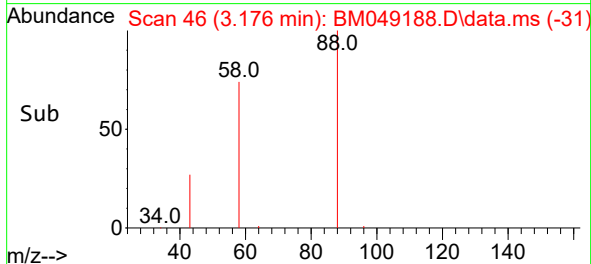
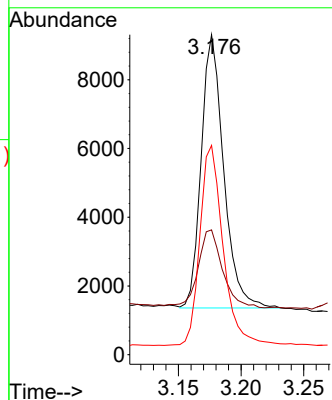
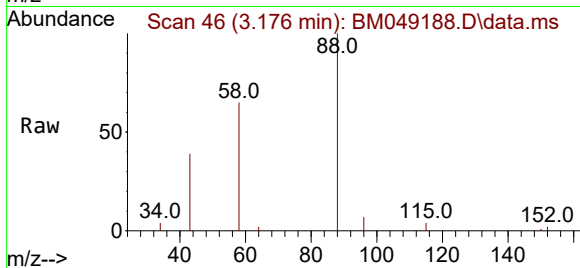




#2
1,4-Dioxane
Concen: 1.111 ng/ul
RT: 3.176 min Scan# 40
Delta R.T. -0.009 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

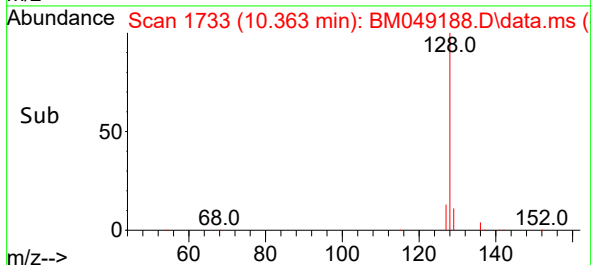
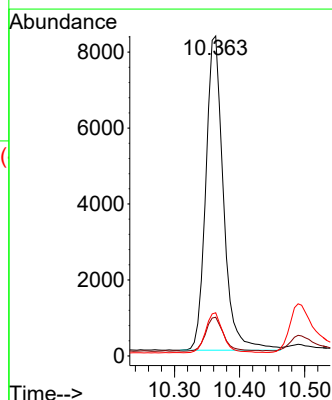
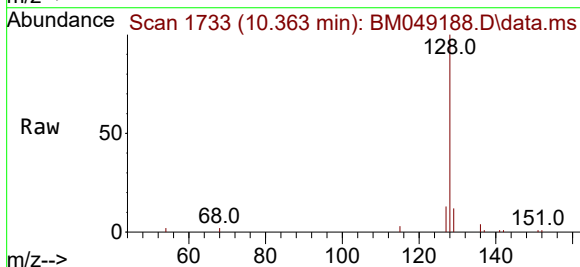
Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

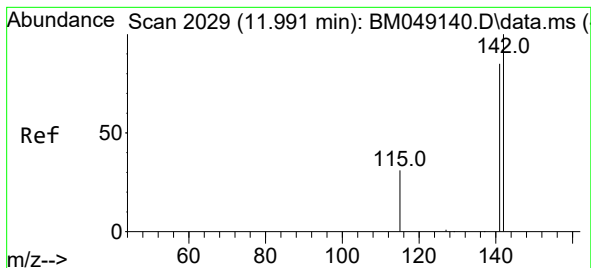
Tgt Ion: 88 Resp: 9909
Ion Ratio Lower Upper
88 100
43 39.0 45.4 68.2#
58 65.4 43.6 65.4#



#5
Naphthalene
Concen: 0.301 ng/ul
RT: 10.363 min Scan# 1733
Delta R.T. -0.016 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion: 128 Resp: 15549
Ion Ratio Lower Upper
128 100
129 12.1 9.7 14.5
127 13.5 10.6 16.0

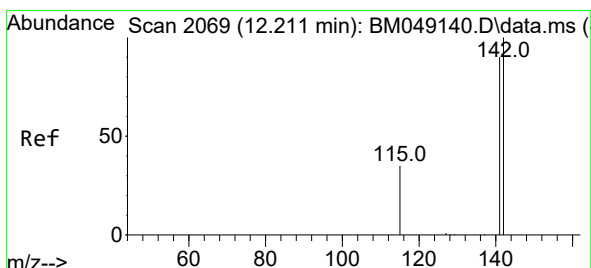
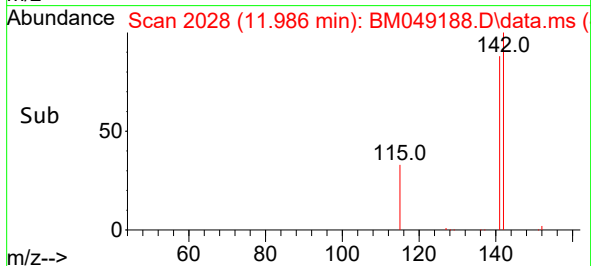
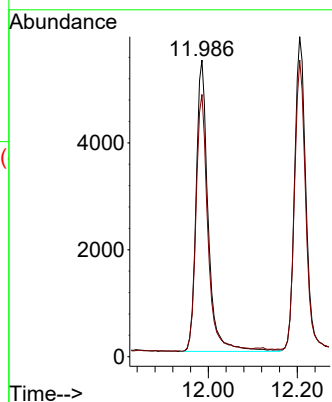
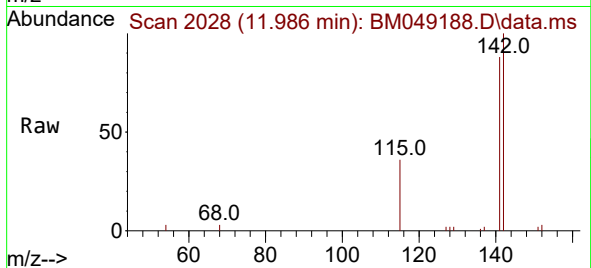




#7
2-Methylnaphthalene
Concen: 0.312 ng/ul
RT: 11.986 min Scan# 2029
Delta R.T. -0.016 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

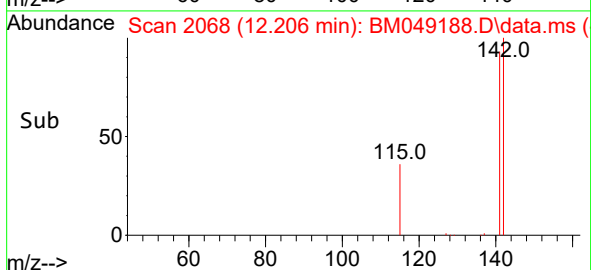
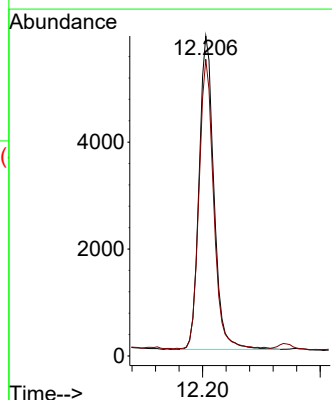
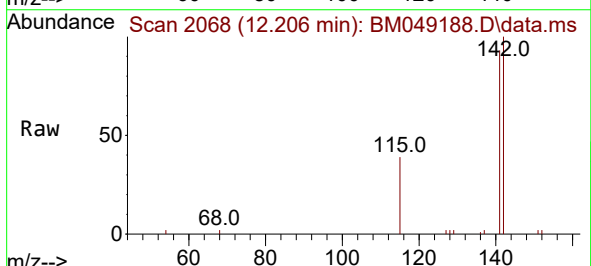
Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

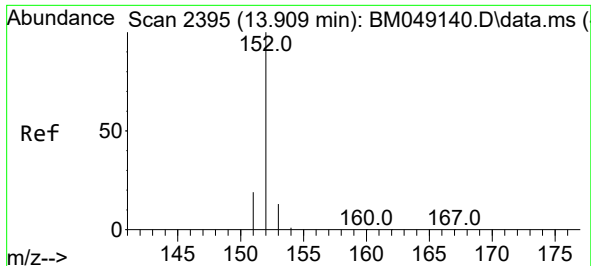
Tgt Ion:142 Resp: 10204
Ion Ratio Lower Upper
142 100
141 87.9 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.306 ng/ul
RT: 12.206 min Scan# 2068
Delta R.T. -0.016 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

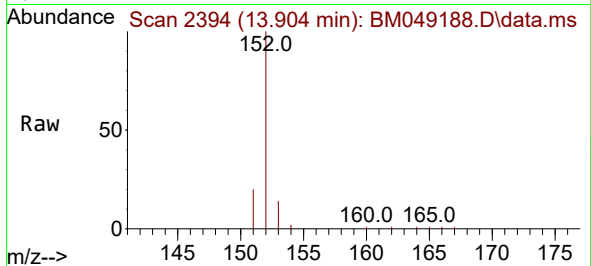
Tgt Ion:142 Resp: 10250
Ion Ratio Lower Upper
142 100
141 91.8 72.7 109.1



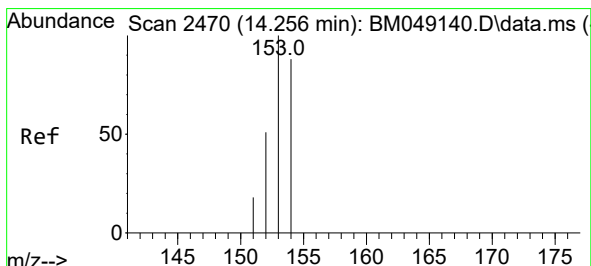
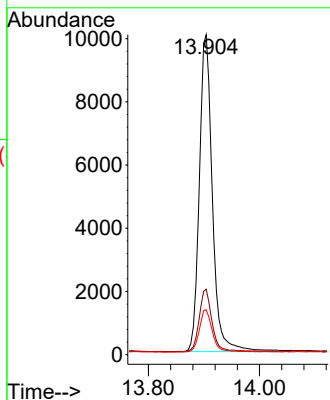
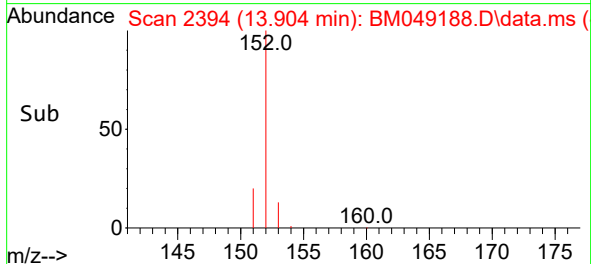


#10
Acenaphthylene
Concen: 0.329 ng/ul
RT: 13.904 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

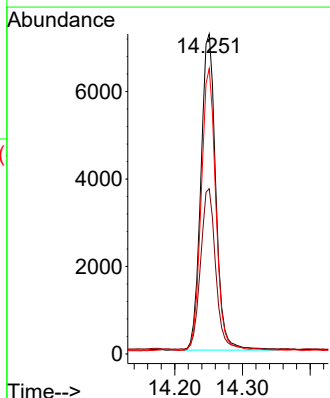
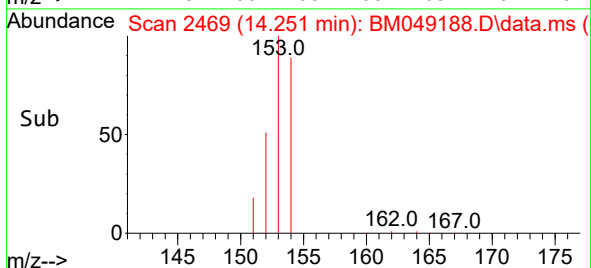
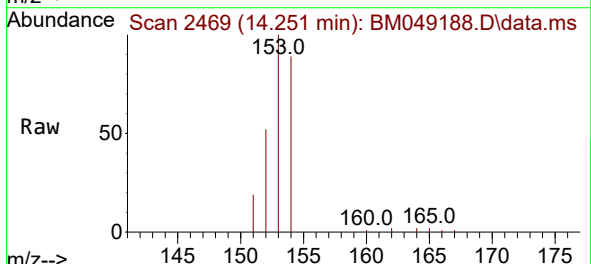


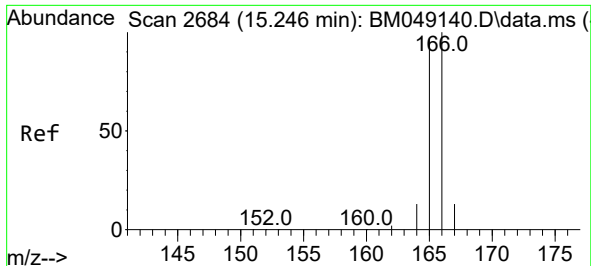
Tgt Ion:152 Resp: 16439
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 14.0 11.0 16.6



#11
Acenaphthene
Concen: 0.303 ng/ul
RT: 14.251 min Scan# 2469
Delta R.T. -0.014 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion:153 Resp: 11062
Ion Ratio Lower Upper
153 100
152 51.6 40.7 61.1
154 89.2 70.8 106.2

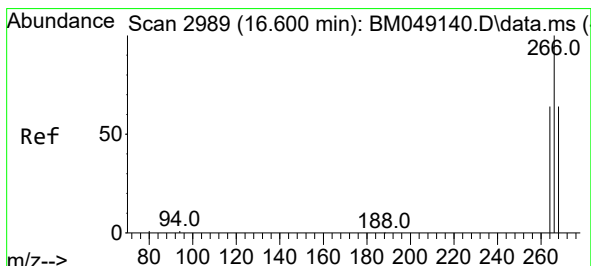
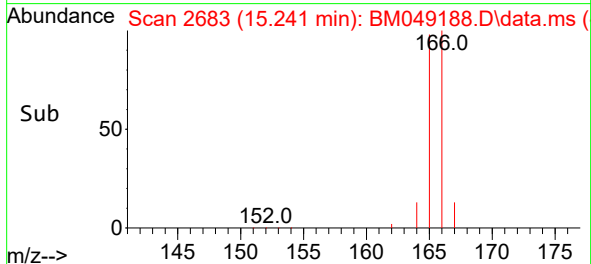
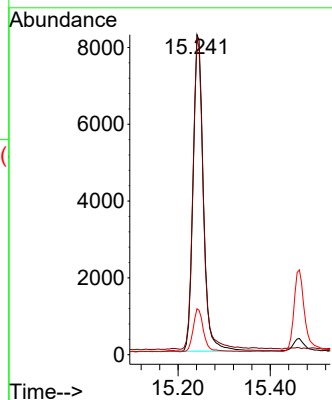
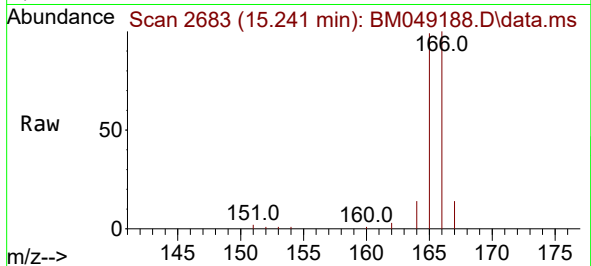




#12
Fluorene
Concen: 0.312 ng/ul
RT: 15.241 min Scan# 20
Delta R.T. -0.014 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

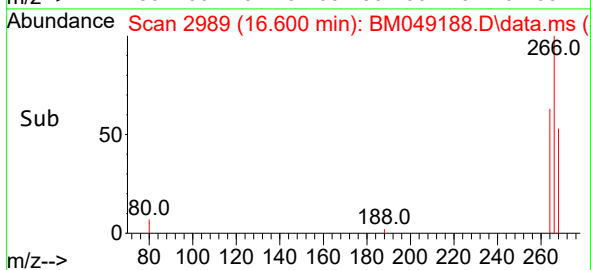
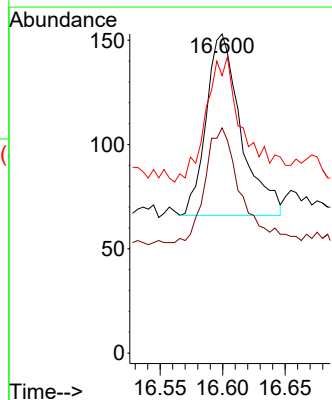
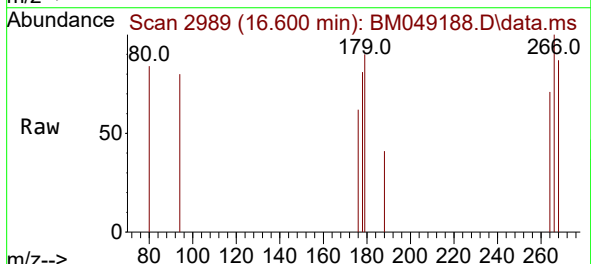
Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

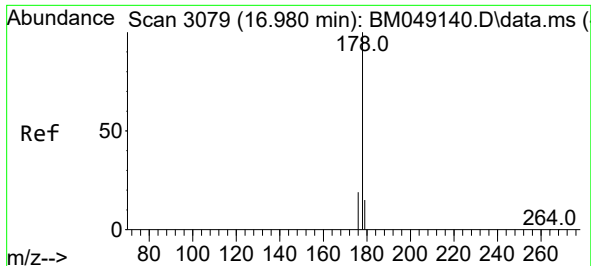
Tgt Ion:166 Resp: 12829
Ion Ratio Lower Upper
166 100
165 98.9 79.7 119.5
167 14.3 11.4 17.0



#14
Pentachlorophenol
Concen: 0.024 ng/ul
RT: 16.600 min Scan# 2989
Delta R.T. -0.008 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion:266 Resp: 169
Ion Ratio Lower Upper
266 100
264 63.9 48.3 72.5
268 75.7 47.5 71.3#

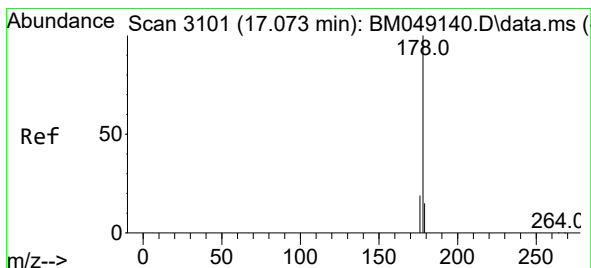
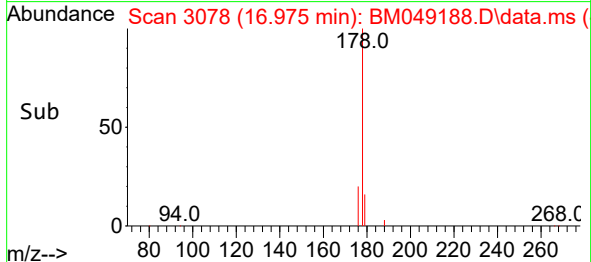
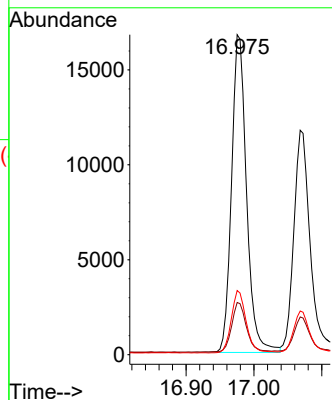
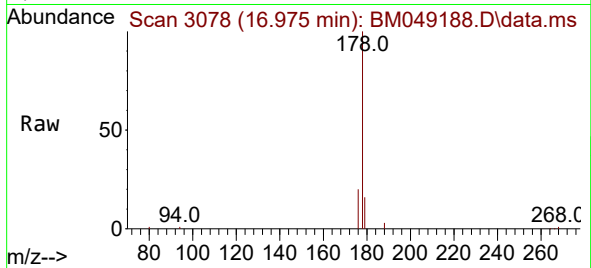




#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 16.975 min Scan# 3078
Delta R.T. -0.017 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

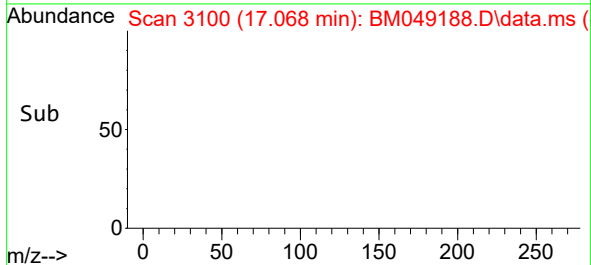
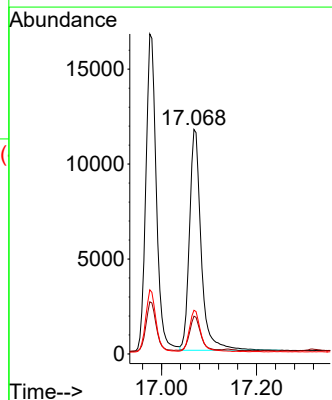
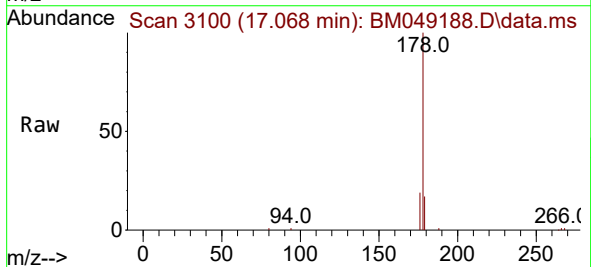
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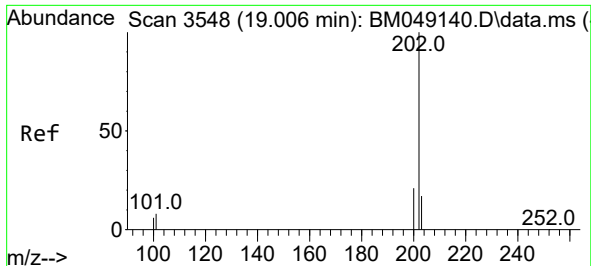
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.0	19.4
176	20.1	16.2	24.2



#16
Anthracene
Concen: 0.320 ng/ul
RT: 17.068 min Scan# 3100
Delta R.T. -0.017 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.9	19.3
176	19.5	15.3	22.9

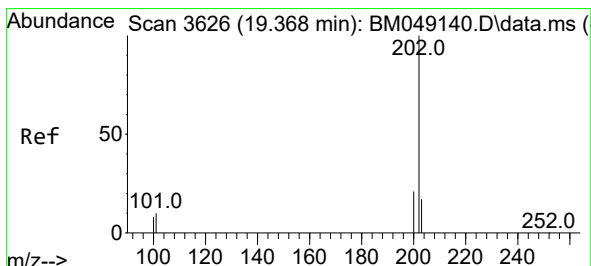
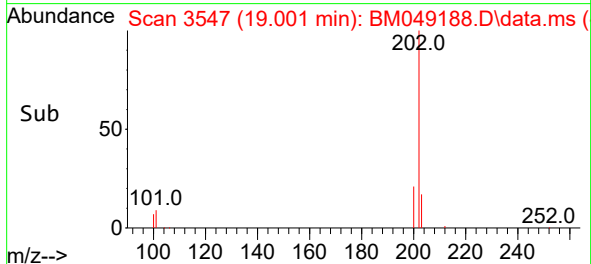
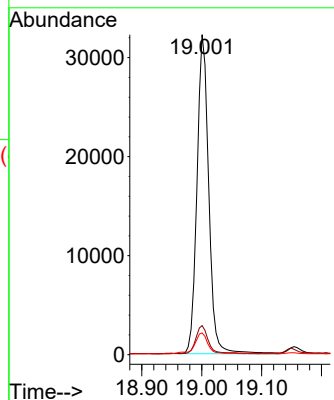
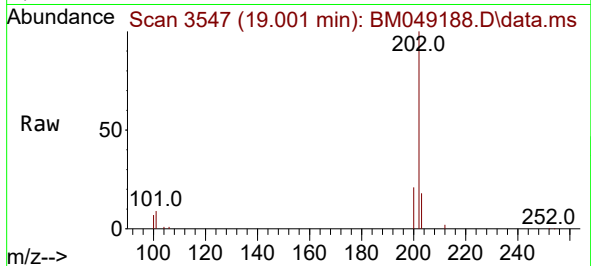




#19
Fluoranthene
Concen: 0.518 ng/ul
RT: 19.001 min Scan# 3547
Delta R.T. -0.014 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

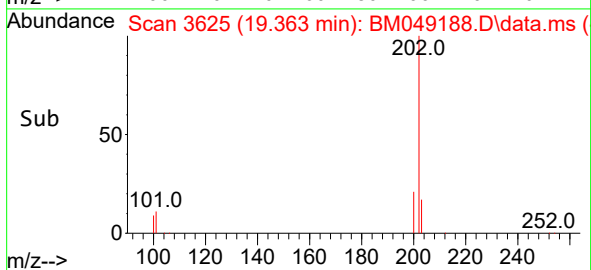
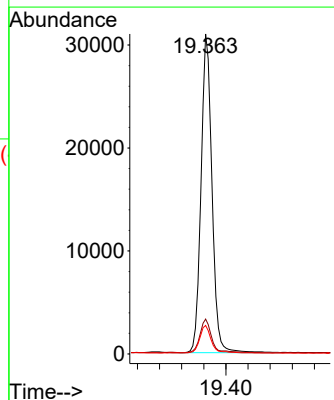
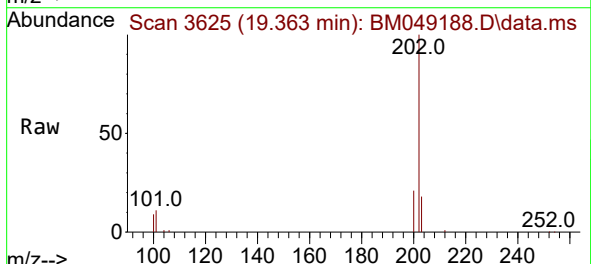
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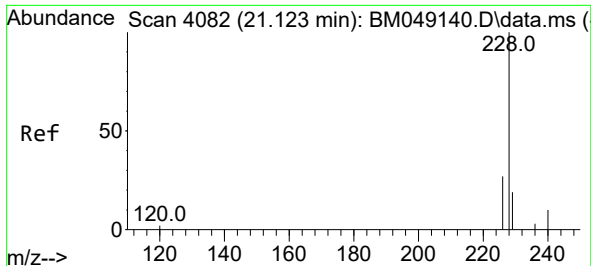
Tgt Ion:202 Resp: 43802
Ion Ratio Lower Upper
202 100
101 9.1 7.6 11.4
100 6.8 5.5 8.3



#20
Pyrene
Concen: 0.473 ng/ul
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

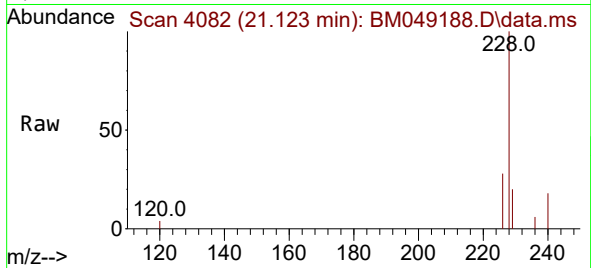
Tgt Ion:202 Resp: 42693
Ion Ratio Lower Upper
202 100
101 10.9 8.9 13.3
100 8.9 6.9 10.3



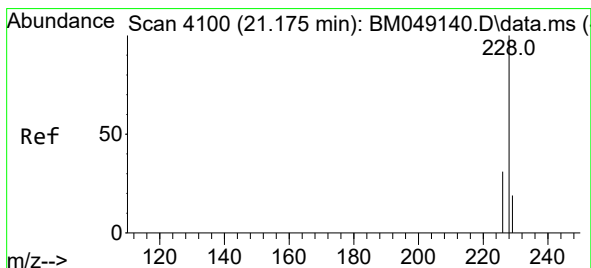
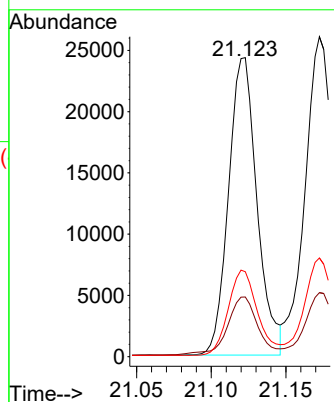


#21
Benzo(a)anthracene
Concen: 0.397 ng/ul
RT: 21.123 min Scan# 4082
Delta R.T. -0.009 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

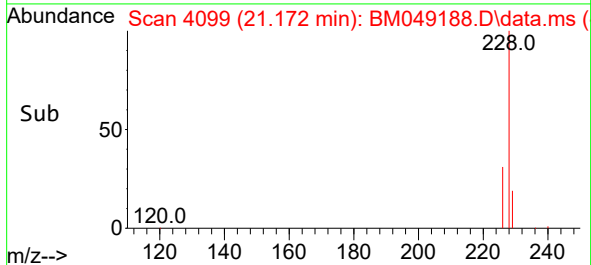
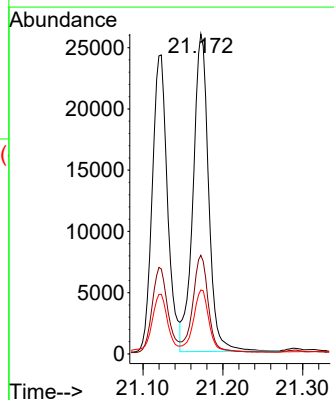
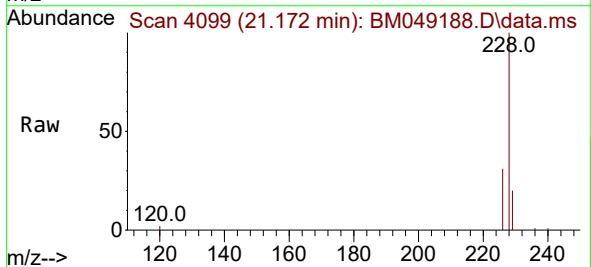


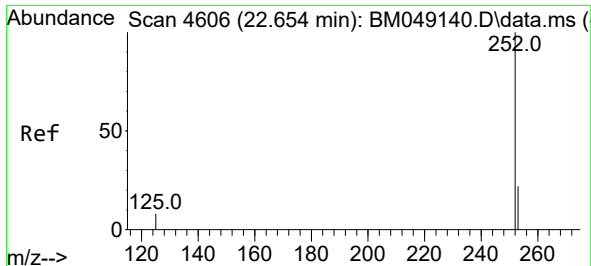
Tgt Ion:228 Resp: 32303
Ion Ratio Lower Upper
228 100
229 19.9 15.9 23.9
226 28.4 22.6 34.0



#22
Chrysene
Concen: 0.400 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. -0.012 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion:228 Resp: 34938
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 20.0 15.8 23.8

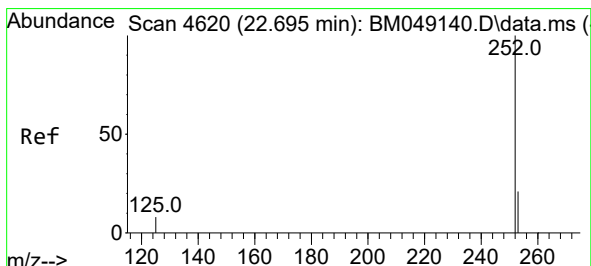
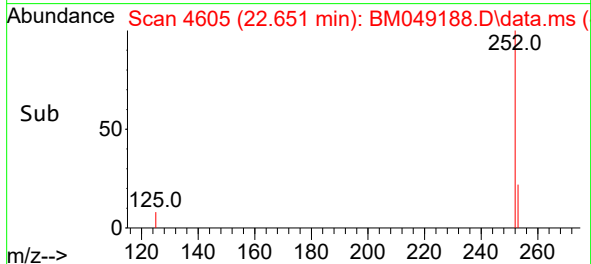
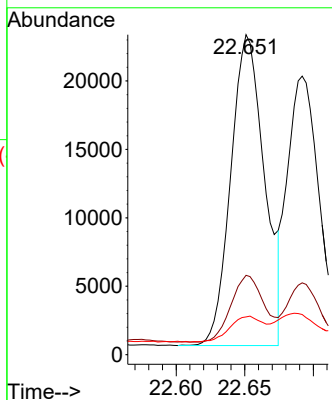
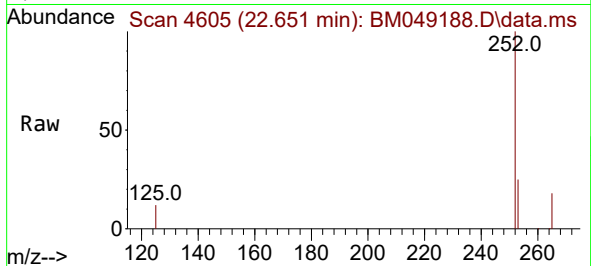




#24
Benzo(b)fluoranthene
Concen: 0.477 ng/ul
RT: 22.651 min Scan# 4605
Delta R.T. -0.012 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

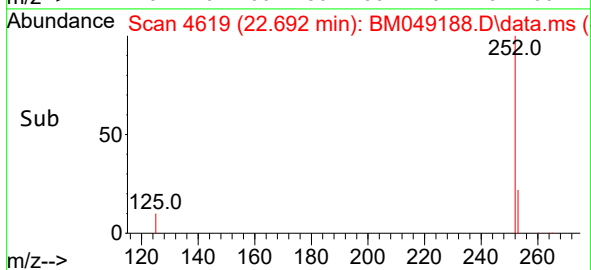
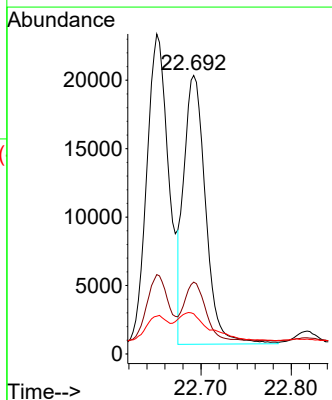
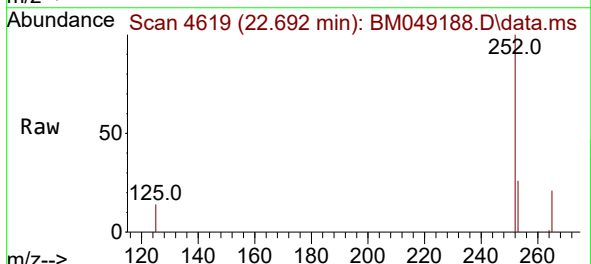
Instrument :
BNA_M
ClientSampleId :
E2AR6MSD

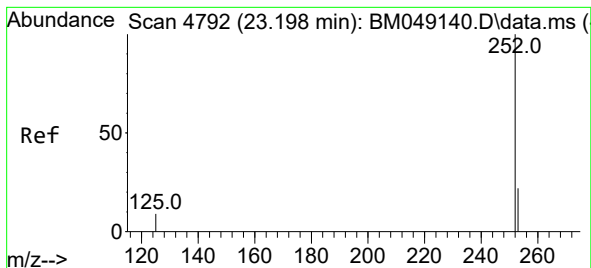
Tgt Ion:252 Resp: 38802
Ion Ratio Lower Upper
252 100
253 24.8 0.0 52.6
125 11.8 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.368 ng/ul
RT: 22.692 min Scan# 4619
Delta R.T. -0.015 min
Lab File: BM049188.D
Acq: 24 Dec 2024 17:06

Tgt Ion:252 Resp: 32830
Ion Ratio Lower Upper
252 100
253 25.8 21.3 31.9
125 14.4 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.398 ng/ul

RT: 23.198 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049188.D

Acq: 24 Dec 2024 17:06

Instrument :

BNA_M

ClientSampleId :

E2AR6MSD

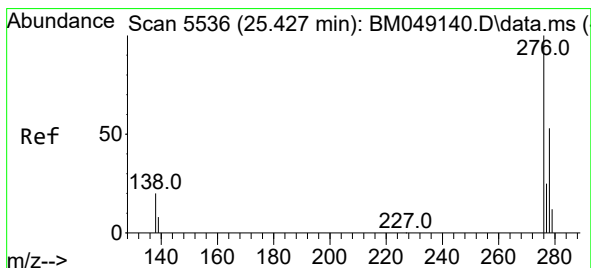
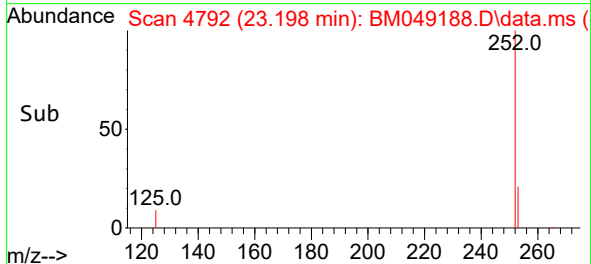
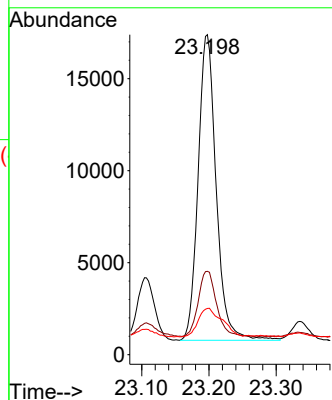
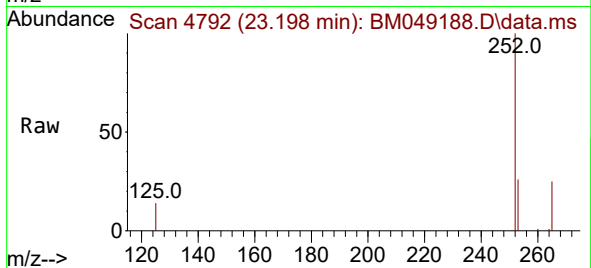
Tgt Ion:252 Resp: 31028

Ion Ratio Lower Upper

252 100

253 26.1 22.4 33.6

125 14.4 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.359 ng/ul

RT: 25.420 min Scan# 5534

Delta R.T. -0.027 min

Lab File: BM049188.D

Acq: 24 Dec 2024 17:06

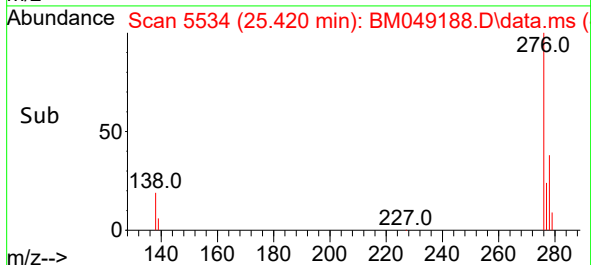
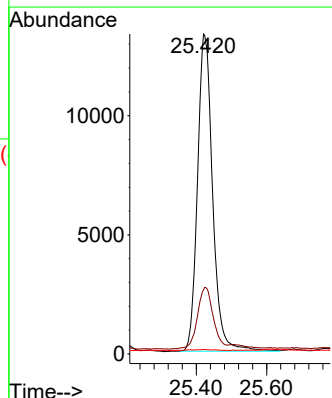
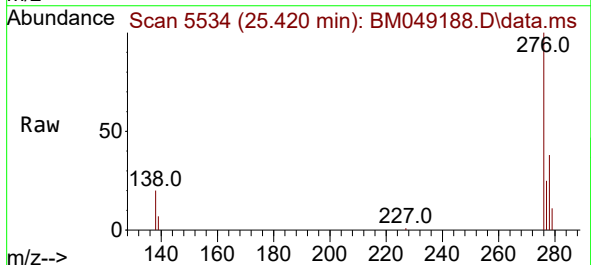
Tgt Ion:276 Resp: 39679

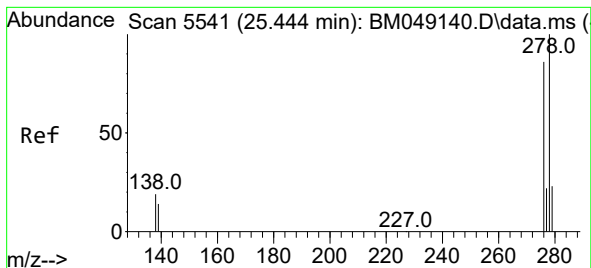
Ion Ratio Lower Upper

276 100

138 22.1 17.4 26.2

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.317 ng/ul

RT: 25.437 min Scan# 5

Delta R.T. -0.030 min

Lab File: BM049188.D

Acq: 24 Dec 2024 17:06

Instrument :

BNA_M

ClientSampleId :

E2AR6MSD

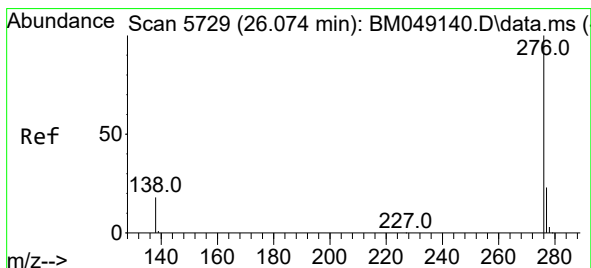
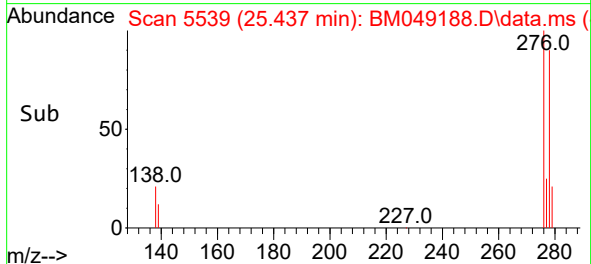
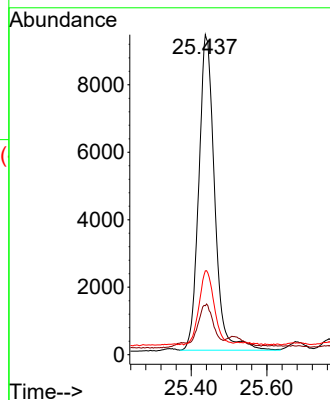
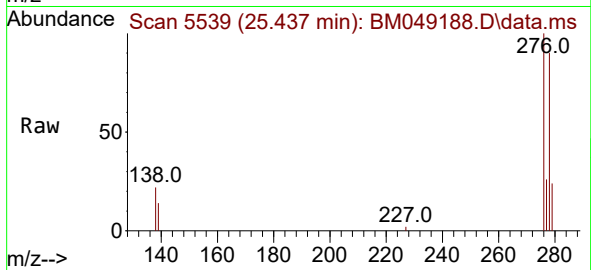
Tgt Ion:278 Resp: 27172

Ion Ratio Lower Upper

278 100

139 15.3 13.5 20.3

279 26.2 21.5 32.3



#29

Benzo(g,h,i)perylene

Concen: 0.377 ng/ul

RT: 26.074 min Scan# 5729

Delta R.T. -0.020 min

Lab File: BM049188.D

Acq: 24 Dec 2024 17:06

Tgt Ion:276 Resp: 33453

Ion Ratio Lower Upper

276 100

138 19.5 16.7 25.1

277 24.2 19.9 29.9

