

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049178.D
 Acq On : 24 Dec 2024 11:10
 Operator : RC/JU
 Sample : P5331-03MSD
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AQ1MSD

Quant Time: Dec 24 21:39:41 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)

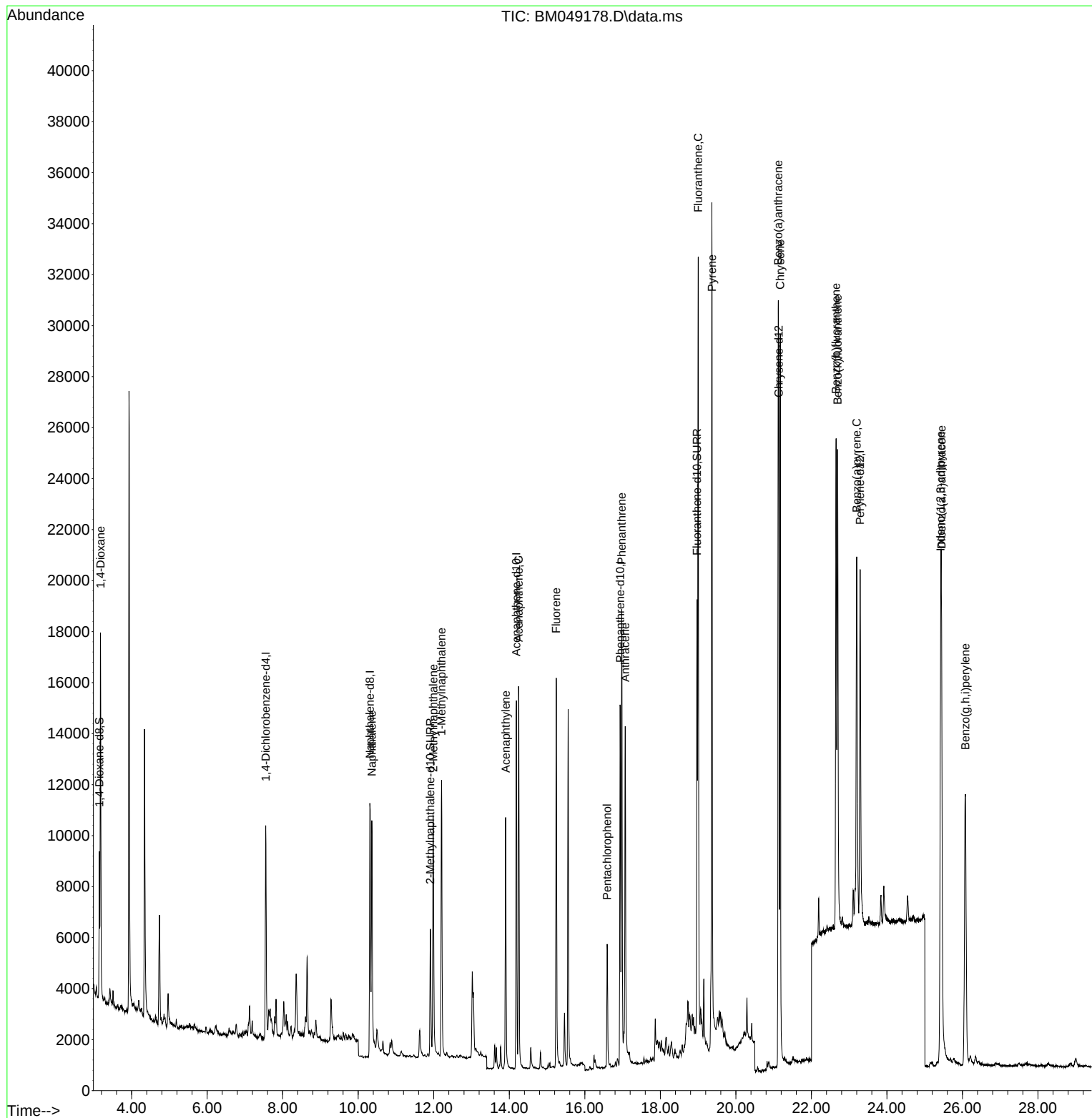
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	4875	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136	14814	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.188	164	8425	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.939	188	18368	0.400	ng/ul	-0.01
17) Chrysene-d12	21.137	240	17091	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	17858	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	3438	0.611	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	7821	0.393	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	19440	0.401	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.176	88	8980	1.366	ng/ul#	78
5) Naphthalene	10.359	128	15663	0.422	ng/ul	99
7) 2-Methylnaphthalene	11.987	142	8384	0.357	ng/ul	98
8) 1-Methylnaphthalene	12.207	142	8419	0.350	ng/ul	99
10) Acenaphthylene	13.905	152	12251	0.351	ng/ul	100
11) Acenaphthene	14.248	153	9053	0.355	ng/ul	99
12) Fluorene	15.242	166	10819	0.376	ng/ul	98
14) Pentachlorophenol	16.592	266	3617	0.712	ng/ul	96
15) Phenanthrene	16.977	178	20180	0.421	ng/ul	99
16) Anthracene	17.069	178	16280	0.370	ng/ul	99
19) Fluoranthene	19.002	202	27601	0.447	ng/ul#	96
20) Pyrene	19.365	202	29261	0.444	ng/ul	98
21) Benzo(a)anthracene	21.122	228	23353	0.393	ng/ul	99
22) Chrysene	21.175	228	24909	0.390	ng/ul	99
24) Benzo(b)fluoranthene	22.653	252	24420	0.428	ng/ul	99
25) Benzo(k)fluoranthene	22.694	252	24232	0.387	ng/ul	99
26) Benzo(a)pyrene	23.200	252	21696	0.397	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.423	276	28199	0.364	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.443	278	21012	0.349	ng/ul	99
29) Benzo(g,h,i)perylene	26.077	276	23374	0.375	ng/ul	99

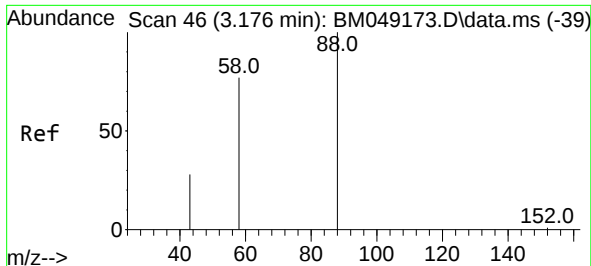
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

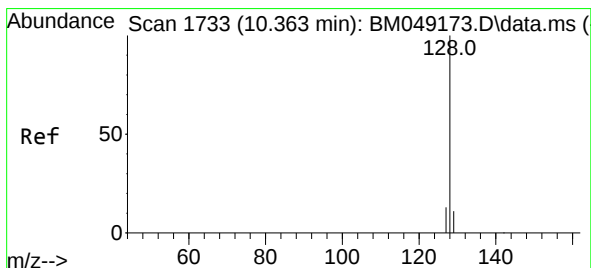
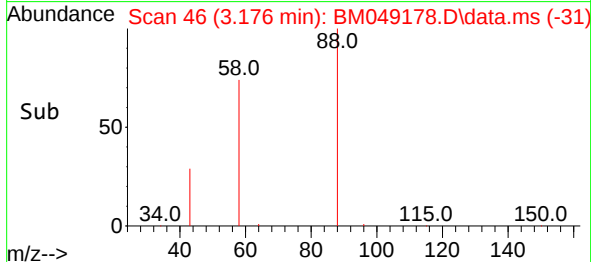
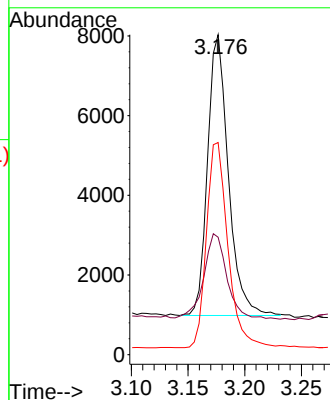
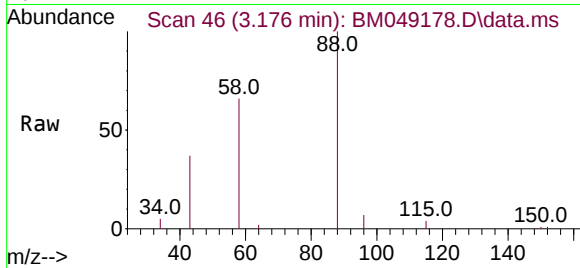




#2
1,4-Dioxane
Concen: 1.366 ng/ul
RT: 3.176 min Scan# 46
Delta R.T. -0.009 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

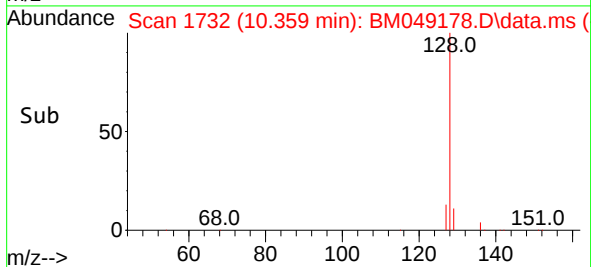
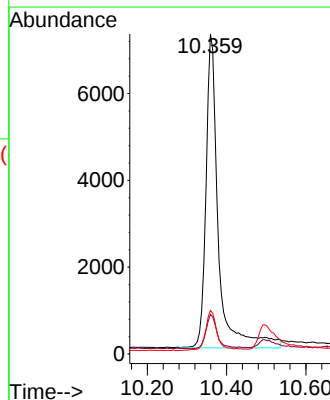
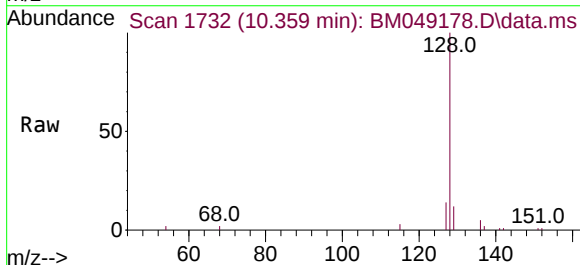
Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

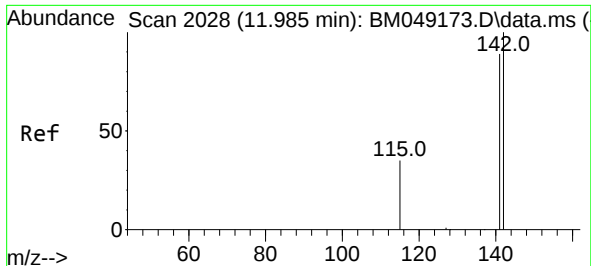
Tgt Ion: 88 Resp: 8980
Ion Ratio Lower Upper
88 100
43 36.7 45.4 68.2#
58 66.3 43.6 65.4#



#5
Naphthalene
Concen: 0.422 ng/ul
RT: 10.359 min Scan# 1732
Delta R.T. -0.021 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

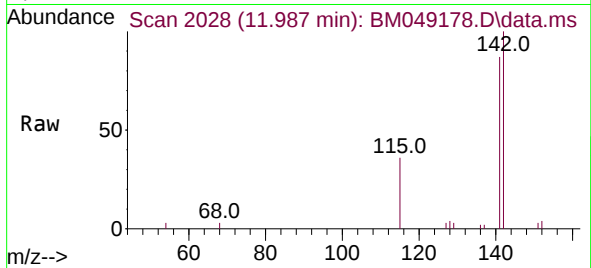
Tgt Ion: 128 Resp: 15663
Ion Ratio Lower Upper
128 100
129 12.3 9.7 14.5
127 13.6 10.6 16.0



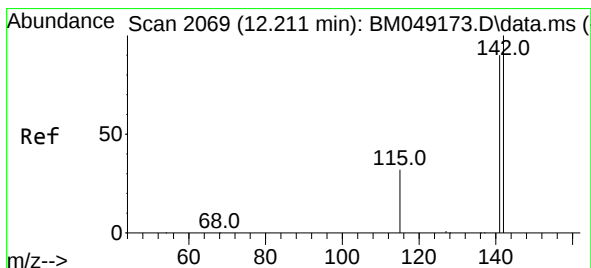
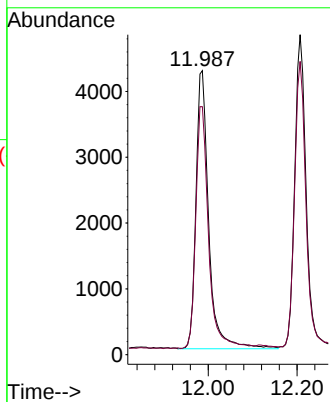
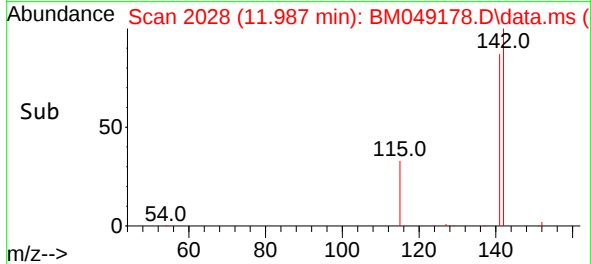


#7
2-Methylnaphthalene
Concen: 0.357 ng/ul
RT: 11.987 min Scan# 2028
Delta R.T. -0.015 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

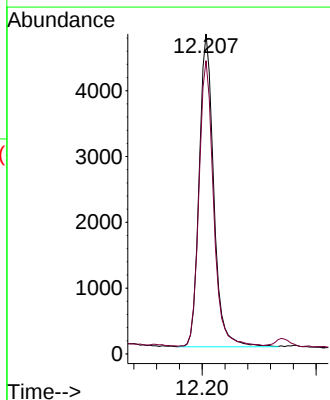
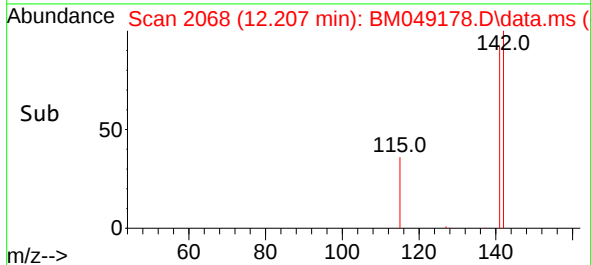
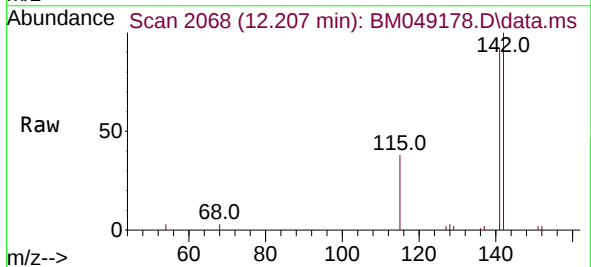


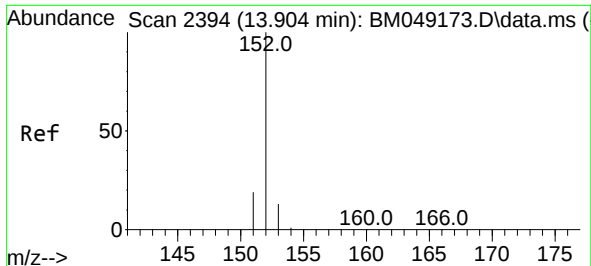
Tgt Ion:142 Resp: 8384
Ion Ratio Lower Upper
142 100
141 87.9 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.350 ng/ul
RT: 12.207 min Scan# 2068
Delta R.T. -0.015 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:142 Resp: 8419
Ion Ratio Lower Upper
142 100
141 91.6 72.7 109.1

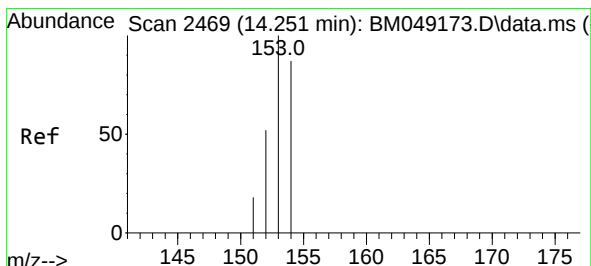
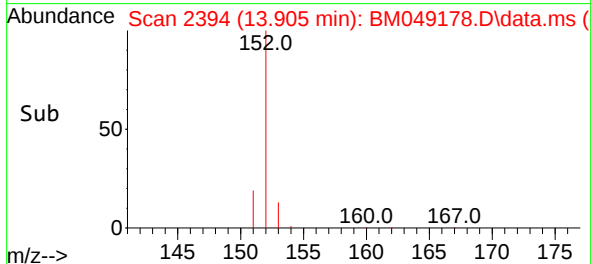
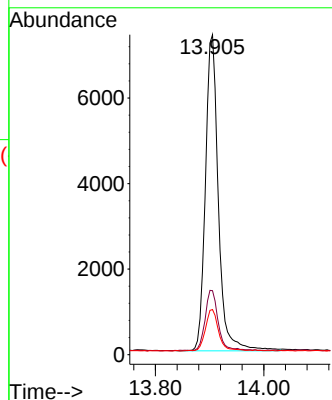
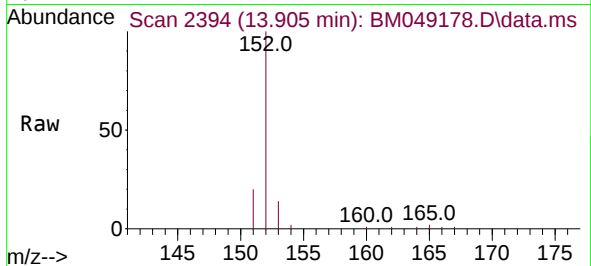




#10
Acenaphthylene
Concen: 0.351 ng/ul
RT: 13.905 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

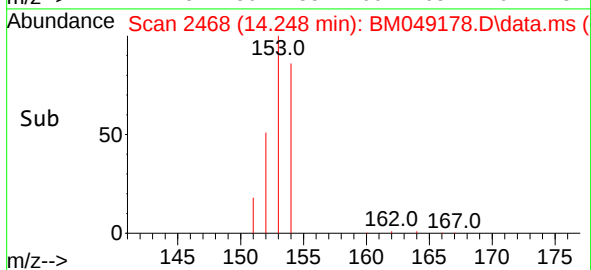
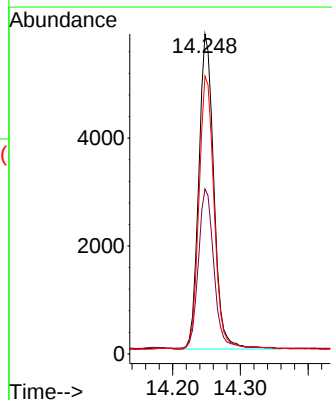
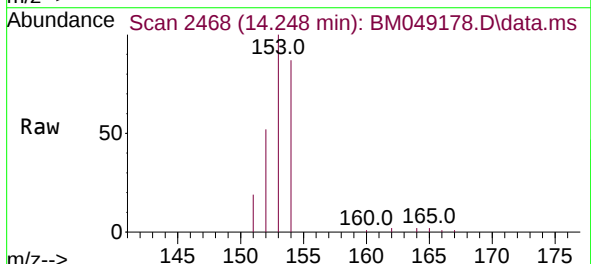
Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

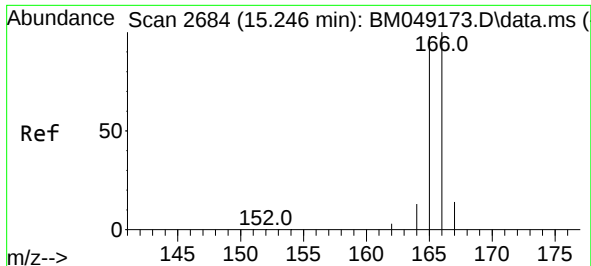
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	14.1	11.0	16.6



#11
Acenaphthene
Concen: 0.355 ng/ul
RT: 14.248 min Scan# 2468
Delta R.T. -0.017 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.6	40.7	61.1
154	86.8	70.8	106.2

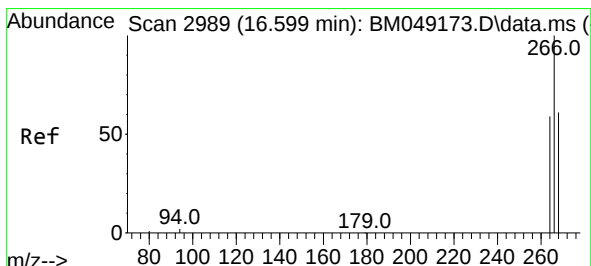
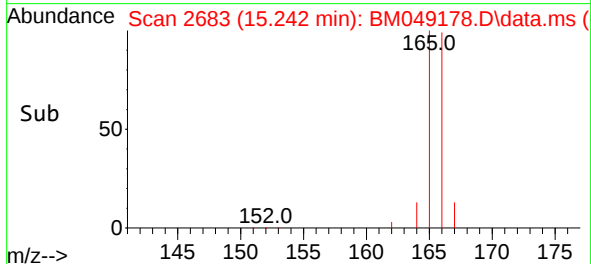
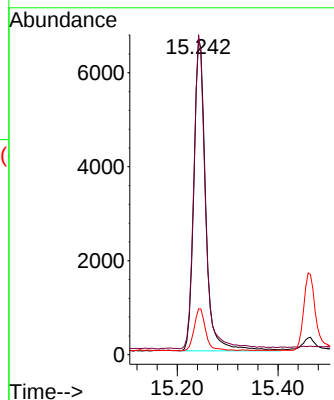
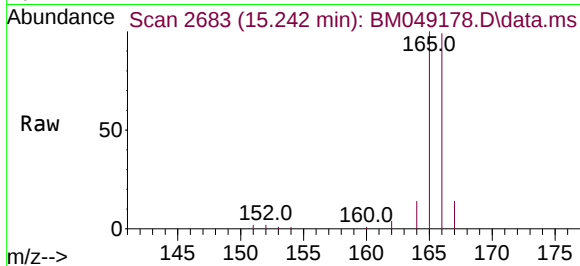




#12
Fluorene
Concen: 0.376 ng/ul
RT: 15.242 min Scan# 2081
Delta R.T. -0.013 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

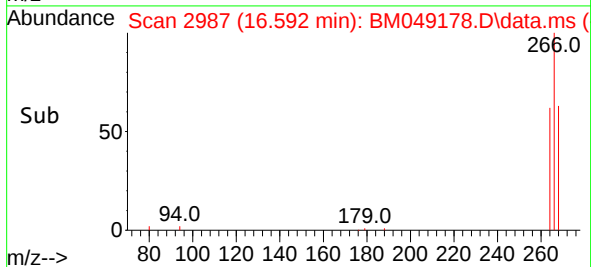
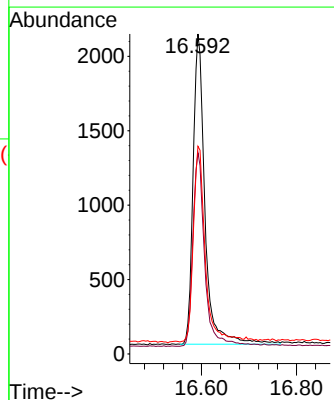
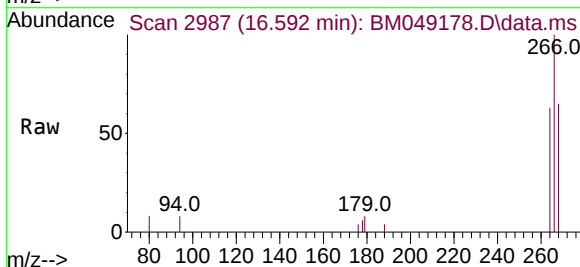
Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

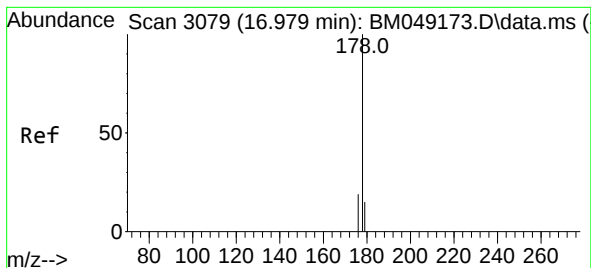
Tgt Ion:166 Resp: 10819
Ion Ratio Lower Upper
166 100
165 101.4 79.7 119.5
167 14.5 11.4 17.0



#14
Pentachlorophenol
Concen: 0.712 ng/ul
RT: 16.592 min Scan# 2987
Delta R.T. -0.016 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:266 Resp: 3617
Ion Ratio Lower Upper
266 100
264 62.4 48.3 72.5
268 62.8 47.5 71.3





#15

Phenanthrene

Concen: 0.421 ng/ul

RT: 16.977 min Scan# 3079

Delta R.T. -0.016 min

Lab File: BM049178.D

Acq: 24 Dec 2024 11:10

Instrument :

BNA_M

ClientSampleId :

E2AQ1MSD

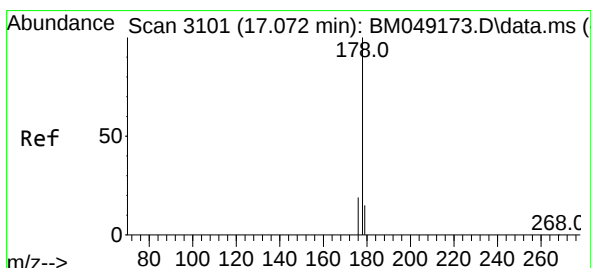
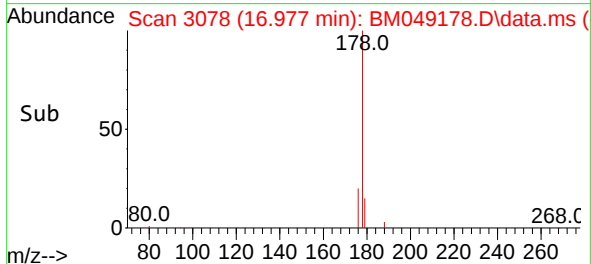
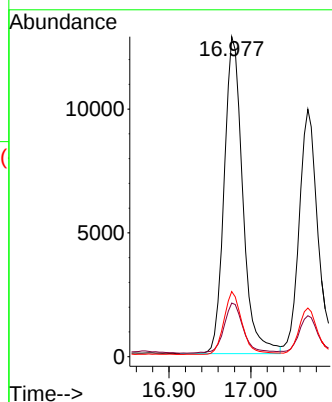
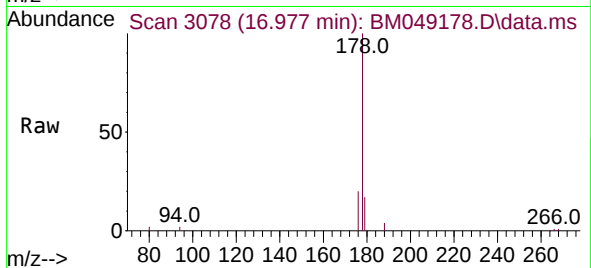
Tgt Ion:178 Resp: 20180

Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.4

176 20.4 16.2 24.2



#16

Anthracene

Concen: 0.370 ng/ul

RT: 17.069 min Scan# 3100

Delta R.T. -0.016 min

Lab File: BM049178.D

Acq: 24 Dec 2024 11:10

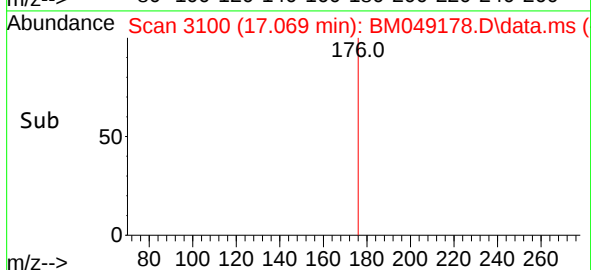
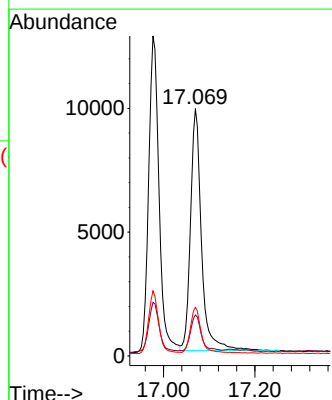
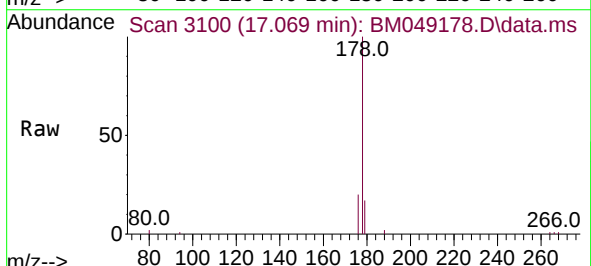
Tgt Ion:178 Resp: 16280

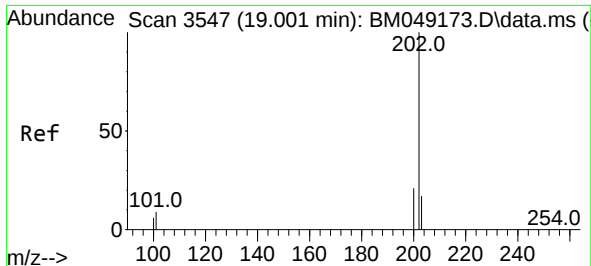
Ion Ratio Lower Upper

178 100

179 16.6 12.9 19.3

176 19.7 15.3 22.9

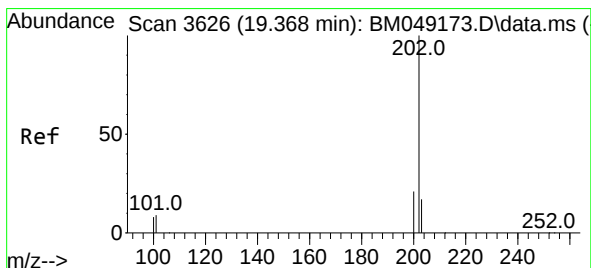
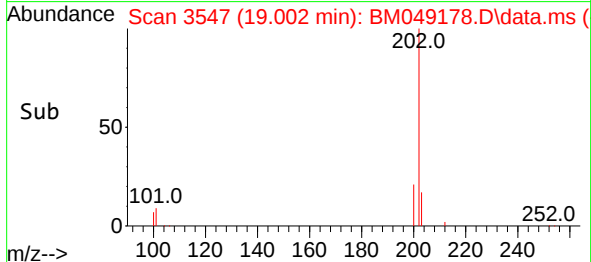
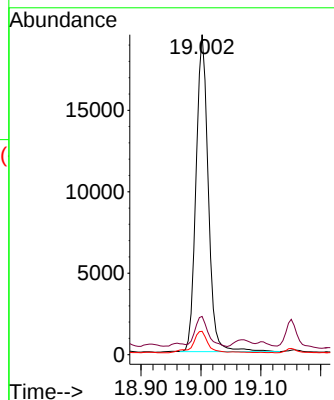
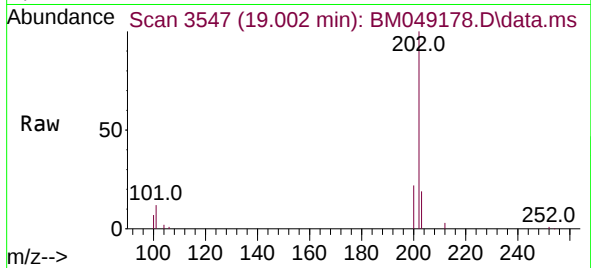




#19
Fluoranthene
Concen: 0.447 ng/ul
RT: 19.002 min Scan# 3547
Delta R.T. -0.013 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

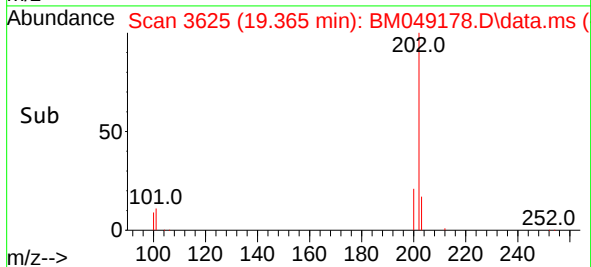
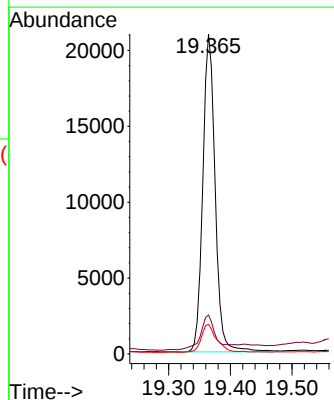
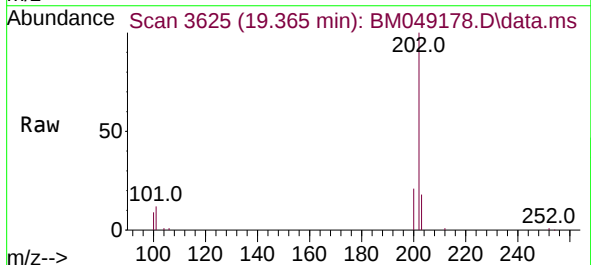
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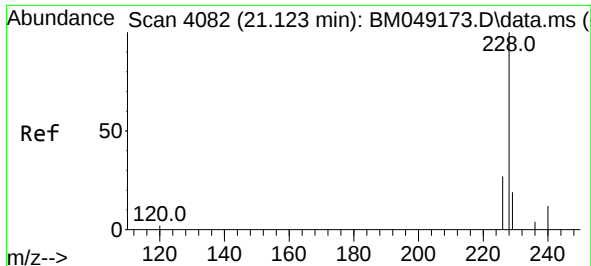
Tgt Ion:202 Resp: 27601
Ion Ratio Lower Upper
202 100
101 11.9 7.6 11.4#
100 7.3 5.5 8.3



#20
Pyrene
Concen: 0.444 ng/ul
RT: 19.365 min Scan# 3625
Delta R.T. -0.013 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:202 Resp: 29261
Ion Ratio Lower Upper
202 100
101 12.1 8.9 13.3
100 9.3 6.9 10.3

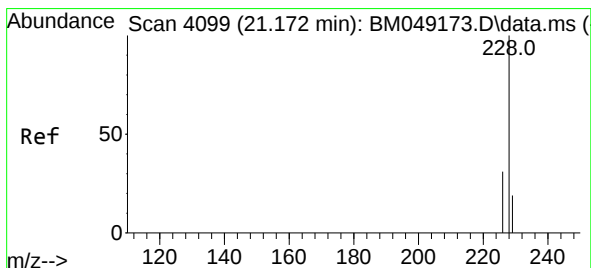
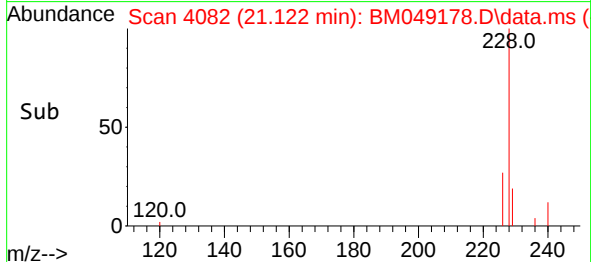
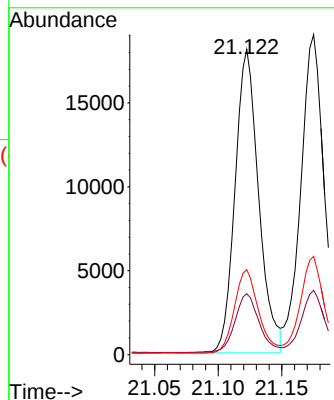
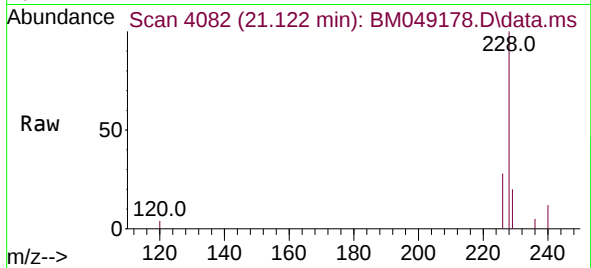




#21
Benzo(a)anthracene
Concen: 0.393 ng/ul
RT: 21.122 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

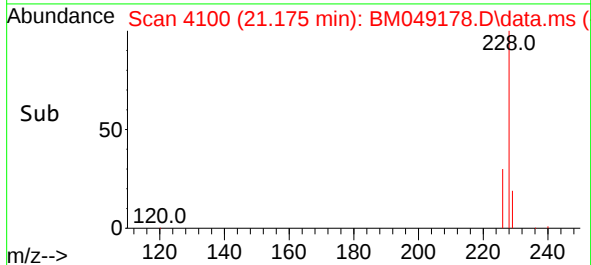
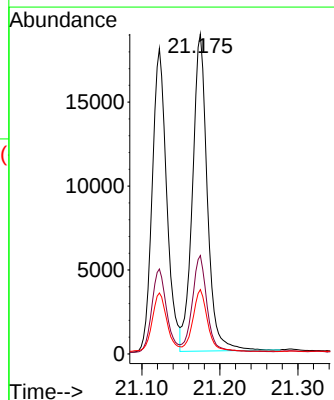
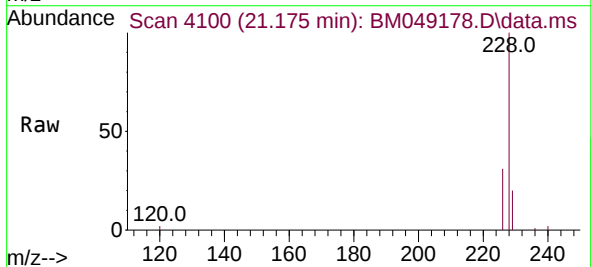
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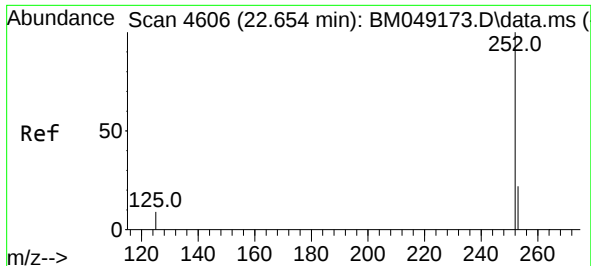
Tgt Ion:228 Resp: 23353
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 27.8 22.6 34.0



#22
Chrysene
Concen: 0.390 ng/ul
RT: 21.175 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:228 Resp: 24909
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 20.1 15.8 23.8

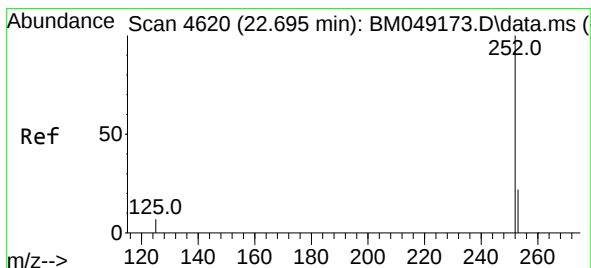
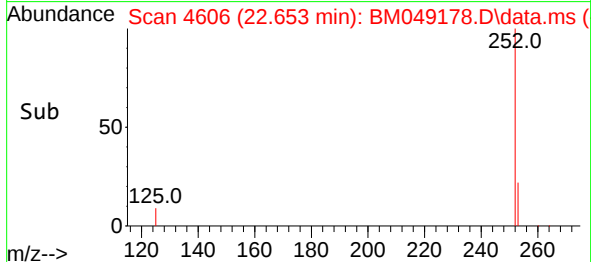
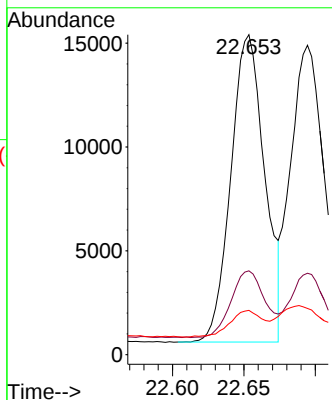
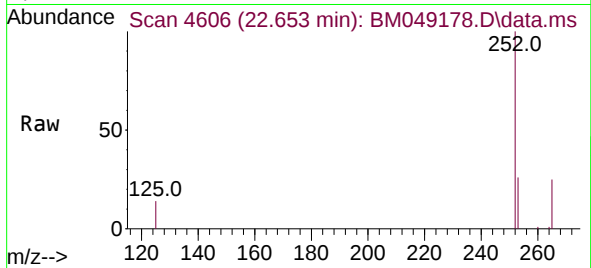




#24
Benzo(b)fluoranthene
Concen: 0.428 ng/ul
RT: 22.653 min Scan# 4606
Delta R.T. -0.009 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

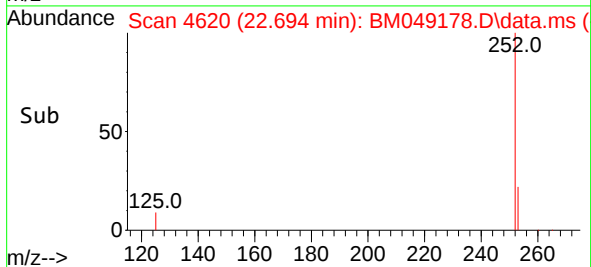
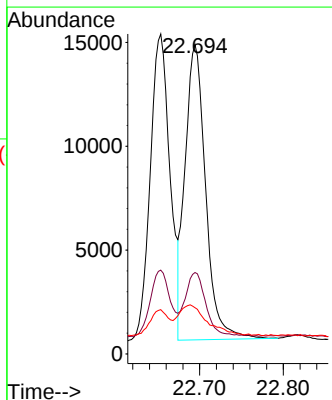
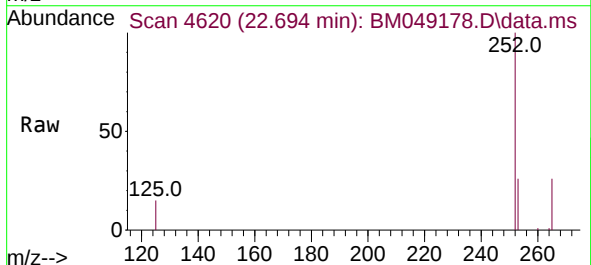
Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

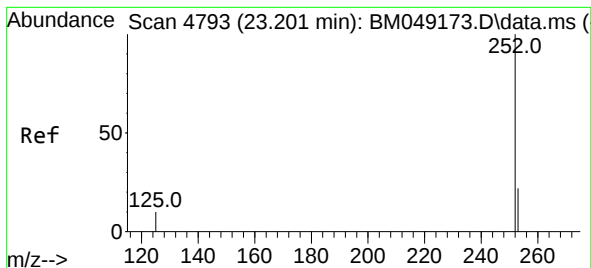
Tgt Ion:252 Resp: 24420
Ion Ratio Lower Upper
252 100
253 26.2 0.0 52.6
125 13.9 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.387 ng/ul
RT: 22.694 min Scan# 4620
Delta R.T. -0.012 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:252 Resp: 24232
Ion Ratio Lower Upper
252 100
253 26.3 21.3 31.9
125 15.0 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.397 ng/ul

RT: 23.200 min Scan# 41

Delta R.T. -0.009 min

Lab File: BM049178.D

Acq: 24 Dec 2024 11:10

Instrument :

BNA_M

ClientSampleId :

E2AQ1MSD

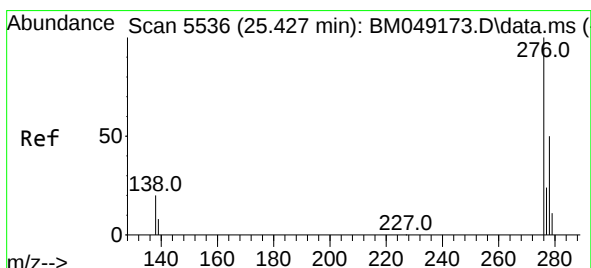
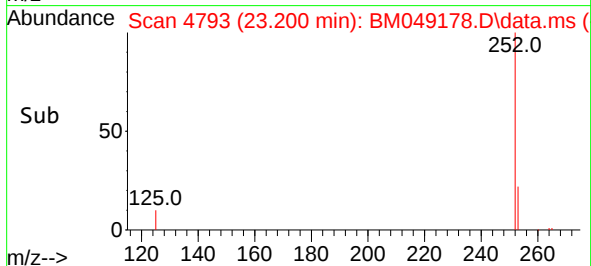
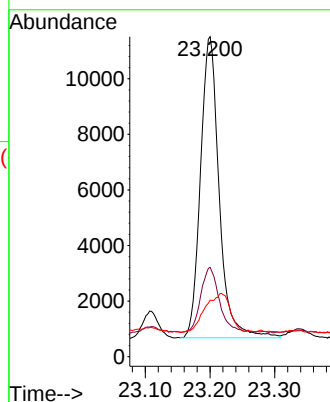
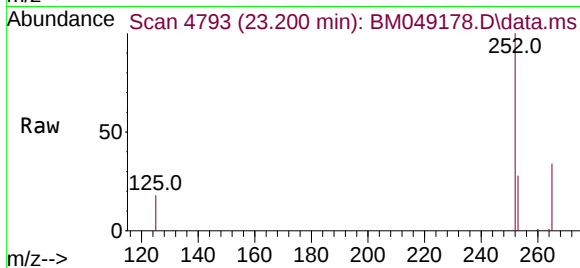
Tgt Ion:252 Resp: 21696

Ion Ratio Lower Upper

252 100

253 27.9 22.4 33.6

125 17.7 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng/ul

RT: 25.423 min Scan# 5535

Delta R.T. -0.024 min

Lab File: BM049178.D

Acq: 24 Dec 2024 11:10

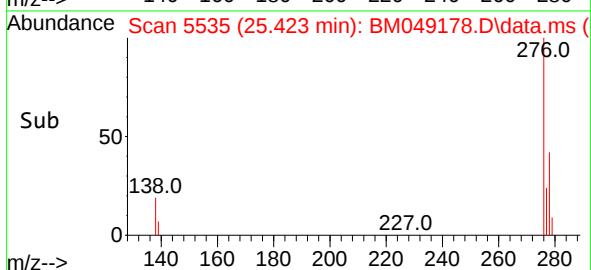
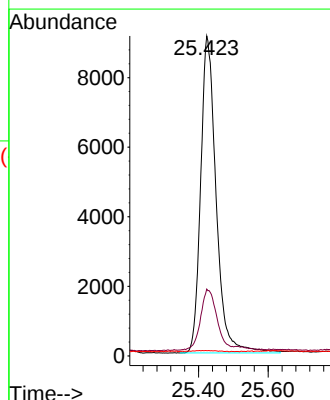
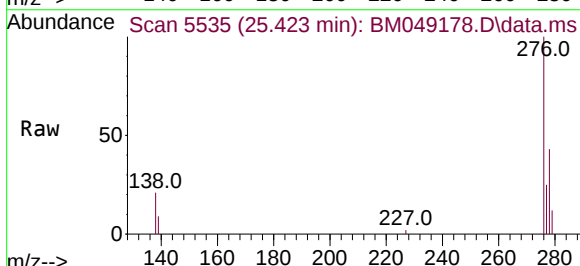
Tgt Ion:276 Resp: 28199

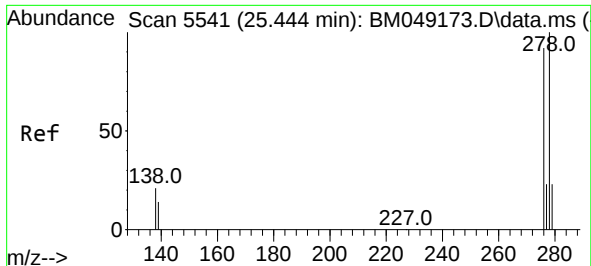
Ion Ratio Lower Upper

276 100

138 21.5 17.4 26.2

227 0.5 0.2 0.2#

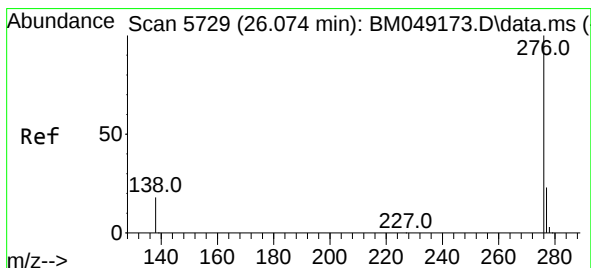
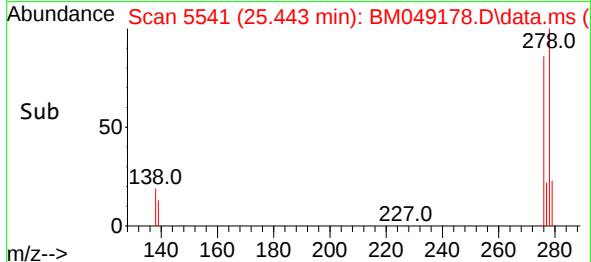
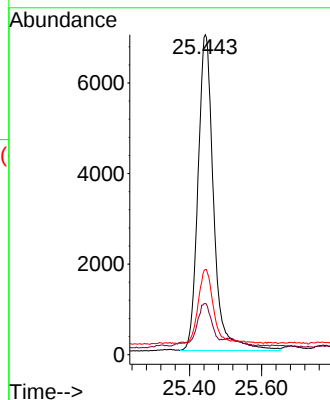
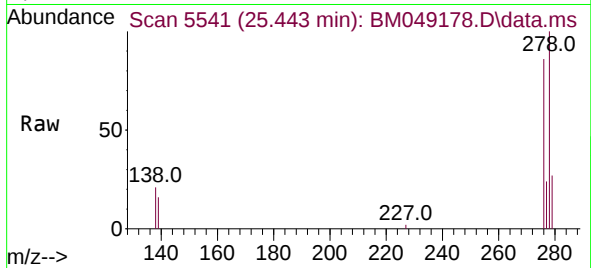




#28
Dibenzo(a,h)anthracene
Concen: 0.349 ng/ul
RT: 25.443 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Instrument :
BNA_M
ClientSampleId :
E2AQ1MSD

Tgt Ion:278 Resp: 21012
Ion Ratio Lower Upper
278 100
139 16.0 13.5 20.3
279 26.6 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.375 ng/ul
RT: 26.077 min Scan# 5730
Delta R.T. -0.017 min
Lab File: BM049178.D
Acq: 24 Dec 2024 11:10

Tgt Ion:276 Resp: 23374
Ion Ratio Lower Upper
276 100
138 20.0 16.7 25.1
277 24.9 19.9 29.9

