

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049250.D
 Acq On : 27 Dec 2024 11:41
 Operator : RC/JU
 Sample : P5324-06MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 YE5X6MSD

Quant Time: Dec 27 22:11:56 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 : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

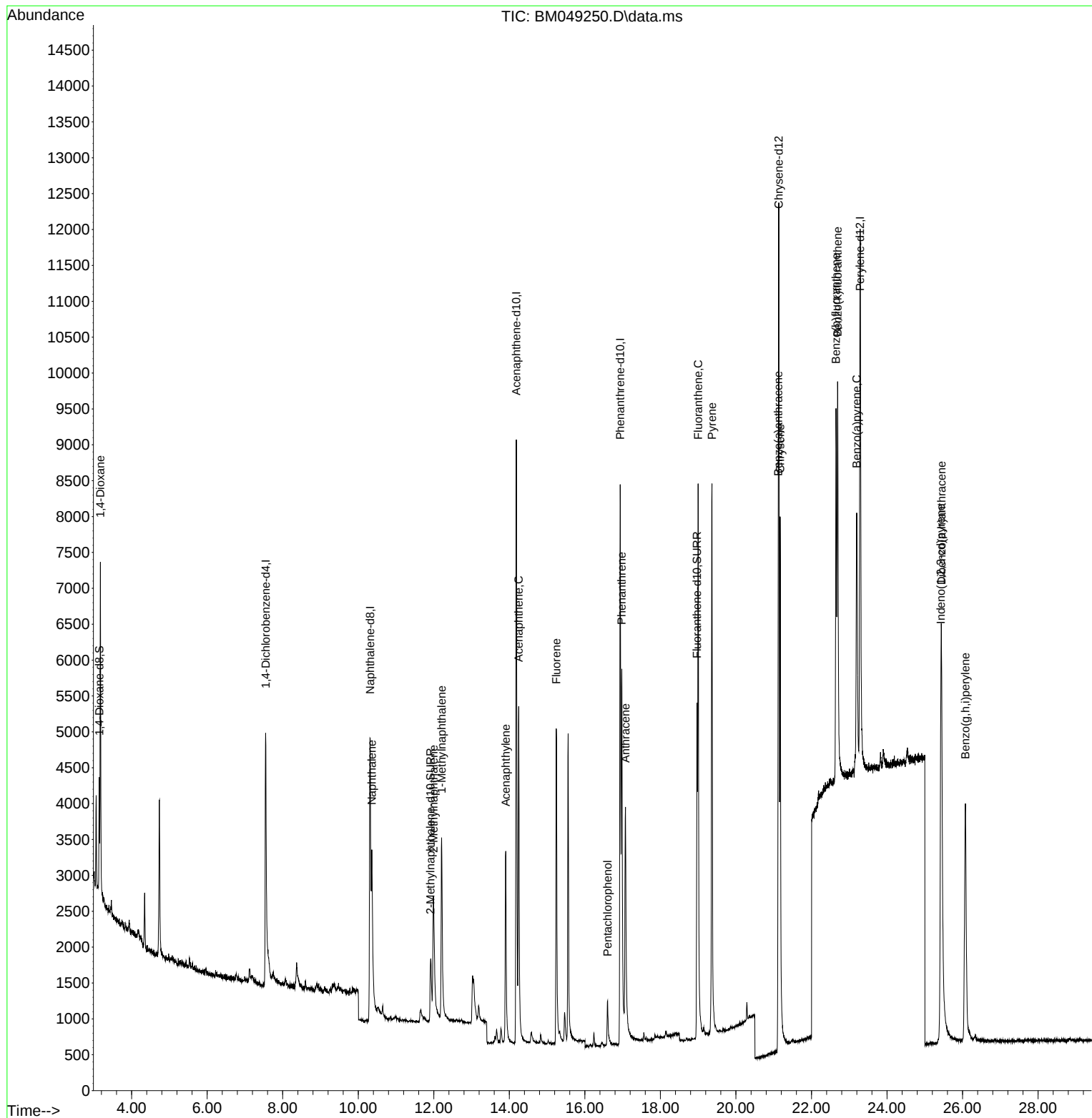
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	2903	0.400	ng/ul	0.00
4) Naphthalene-d8	10.315	136	8754	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	5690	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.934	188	12823	0.400	ng/ul	0.00
17) Chrysene-d12	21.137	240	10029	0.400	ng/ul	0.00
23) Perylene-d12	23.288	264	10993	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	952	0.284	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152	2343	0.199	ng/ul	0.00
18) Fluoranthene-d10	18.970	212	6625	0.233	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	2843	0.727	ng/ul#	86
5) Naphthalene	10.359	128	3884	0.177	ng/ul#	91
7) 2-Methylnaphthalene	11.992	142	2492	0.180	ng/ul	99
8) 1-Methylnaphthalene	12.207	142	2665	0.187	ng/ul	97
10) Acenaphthylene	13.905	152	4159	0.176	ng/ul#	94
11) Acenaphthene	14.248	153	3151	0.183	ng/ul	98
12) Fluorene	15.242	166	3716	0.191	ng/ul	99
14) Pentachlorophenol	16.601	266	658	0.186	ng/ul	98
15) Phenanthrene	16.977	178	6343	0.189	ng/ul	98
16) Anthracene	17.074	178	5402	0.176	ng/ul	96
19) Fluoranthene	18.997	202	7782	0.215	ng/ul	97
20) Pyrene	19.365	202	8110	0.210	ng/ul	98
21) Benzo(a)anthracene	21.119	228	6214	0.178	ng/ul	99
22) Chrysene	21.172	228	7834	0.209	ng/ul	98
24) Benzo(b)fluoranthene	22.651	252	7037	0.200	ng/ul	89
25) Benzo(k)fluoranthene	22.691	252	8248	0.214	ng/ul#	91
26) Benzo(a)pyrene	23.197	252	6735	0.200	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.427	276	9059	0.190	ng/ul	97
28) Dibenzo(a,h)anthracene	25.440	278	6920	0.187	ng/ul	92
29) Benzo(g,h,i)perylene	26.074	276	7597	0.198	ng/ul	95

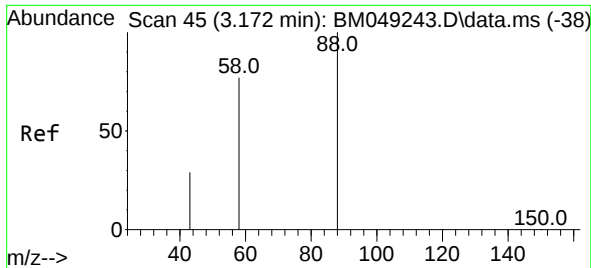
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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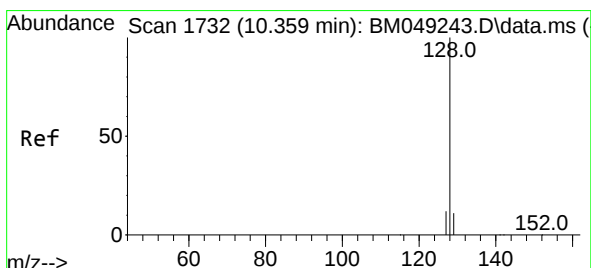
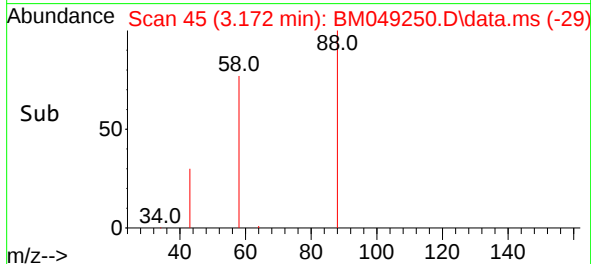
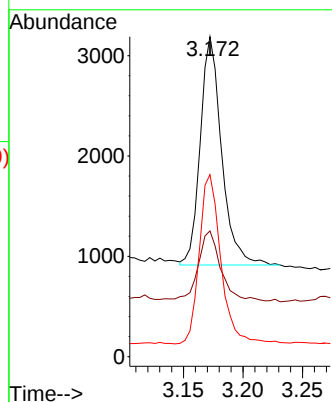
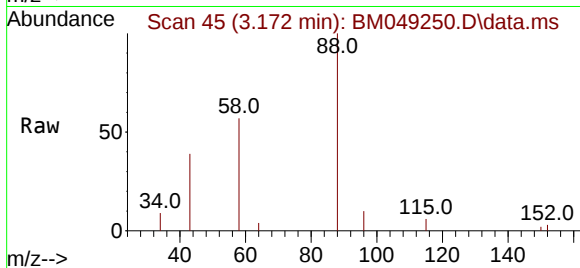




#2
1,4-Dioxane
Concen: 0.727 ng/ul
RT: 3.172 min Scan# 41
Delta R.T. -0.004 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

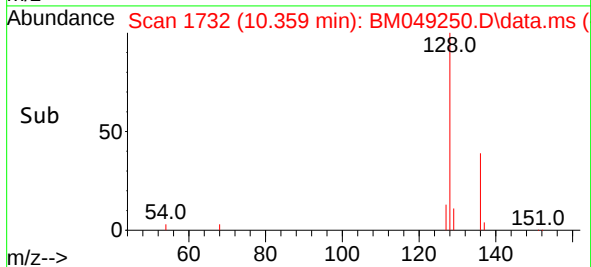
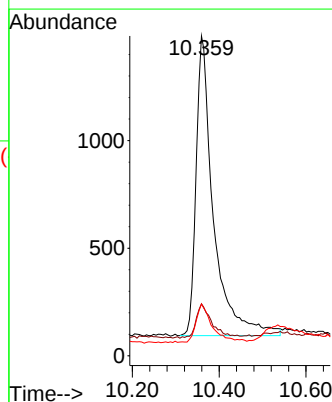
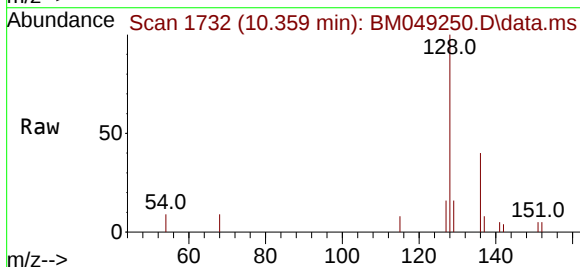
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BNA_M
ClientSampleId :
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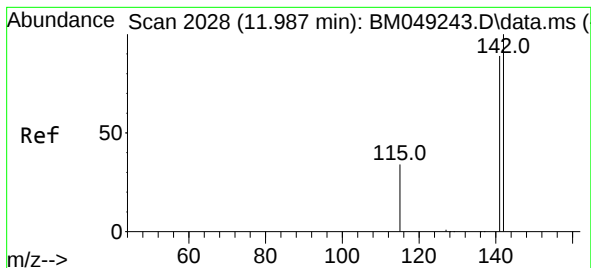
Tgt Ion: 88 Resp: 2843
Ion Ratio Lower Upper
88 100
43 39.3 45.4 68.2#
58 56.9 43.6 65.4



#5
Naphthalene
Concen: 0.177 ng/ul
RT: 10.359 min Scan# 1732
Delta R.T. 0.001 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion: 128 Resp: 3884
Ion Ratio Lower Upper
128 100
129 16.3 9.7 14.5#
127 16.2 10.6 16.0#

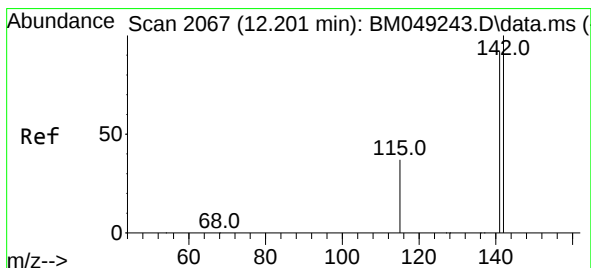
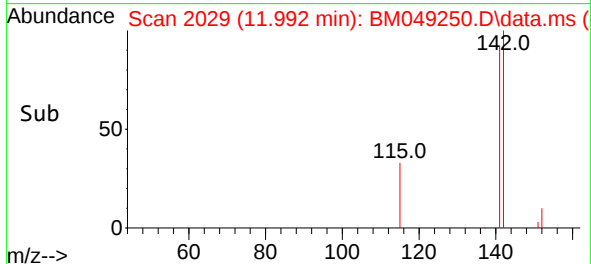
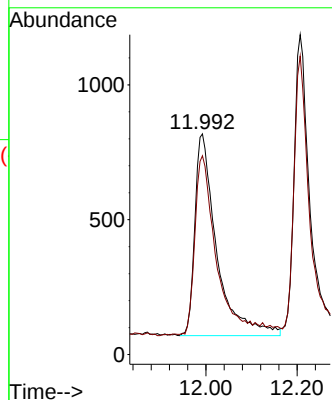
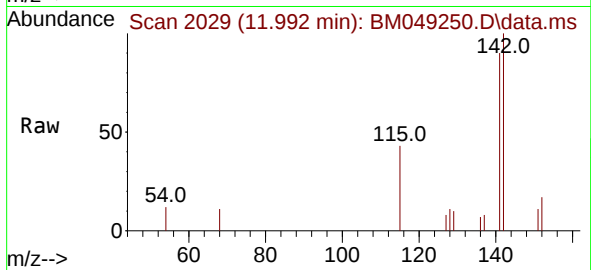




#7
2-Methylnaphthalene
Concen: 0.180 ng/ul
RT: 11.992 min Scan# 2029
Delta R.T. 0.012 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

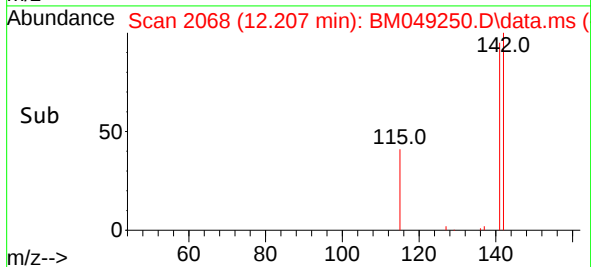
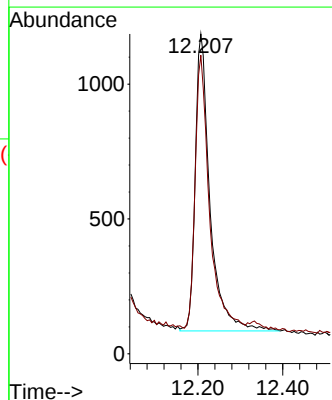
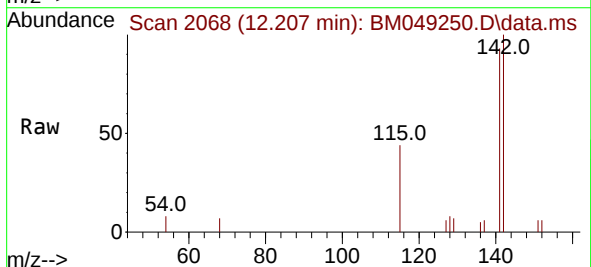
Instrument :
BNA_M
ClientSampleId :
YE5X6MSD

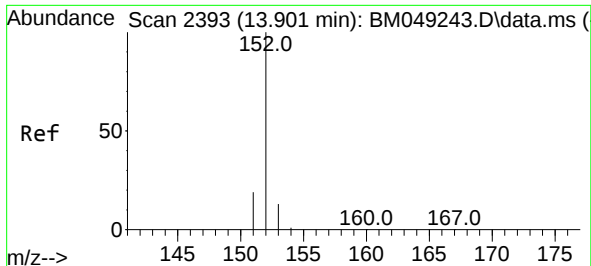
Tgt Ion:142 Resp: 2492
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.187 ng/ul
RT: 12.207 min Scan# 2068
Delta R.T. 0.001 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

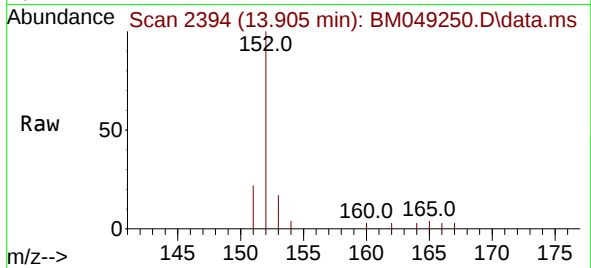
Tgt Ion:142 Resp: 2665
Ion Ratio Lower Upper
142 100
141 88.2 72.7 109.1



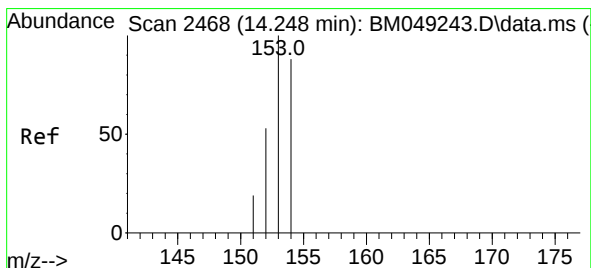
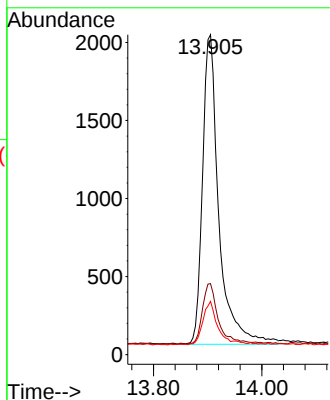


#10
Acenaphthylene
Concen: 0.176 ng/ul
RT: 13.905 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Instrument :
BNA_M
ClientSampleId :
YE5X6MSD

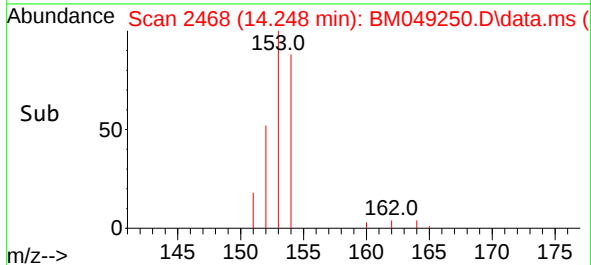
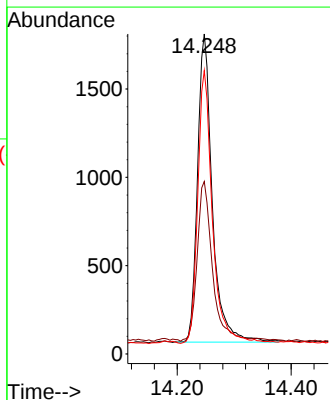
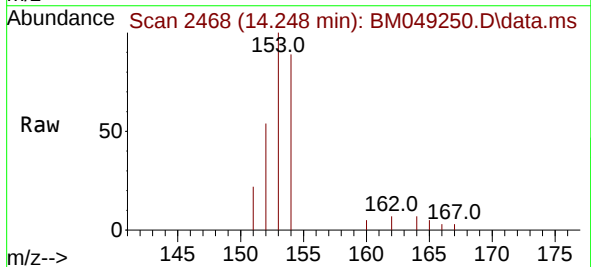


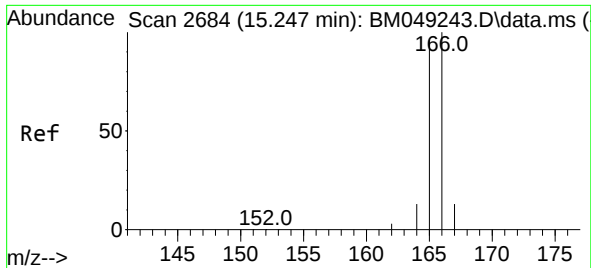
Tgt Ion:152 Resp: 4159
Ion Ratio Lower Upper
152 100
151 22.2 16.0 24.0
153 16.6 11.0 16.6#



#11
Acenaphthene
Concen: 0.183 ng/ul
RT: 14.248 min Scan# 2468
Delta R.T. 0.001 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:153 Resp: 3151
Ion Ratio Lower Upper
153 100
152 53.9 40.7 61.1
154 88.6 70.8 106.2

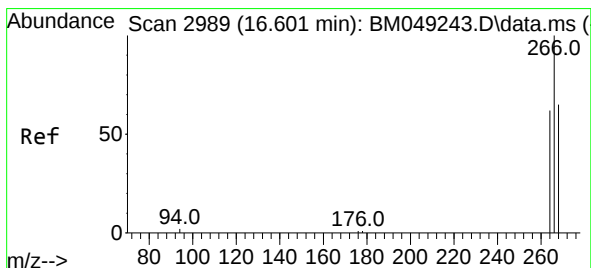
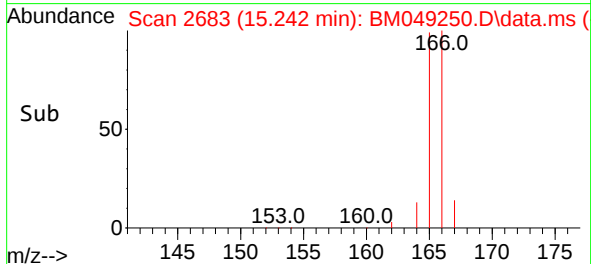
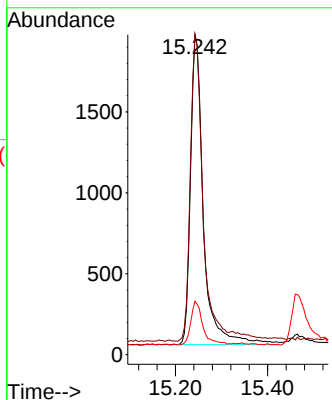
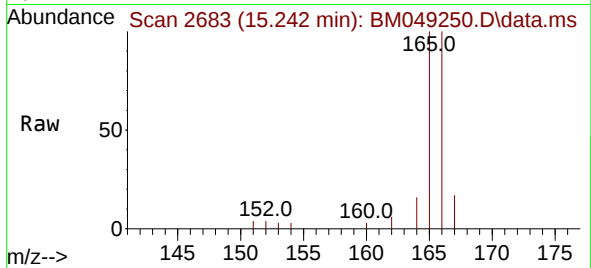




#12
 Fluorene
 Concen: 0.191 ng/ul
 RT: 15.242 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: BM049250.D
 Acq: 27 Dec 2024 11:41

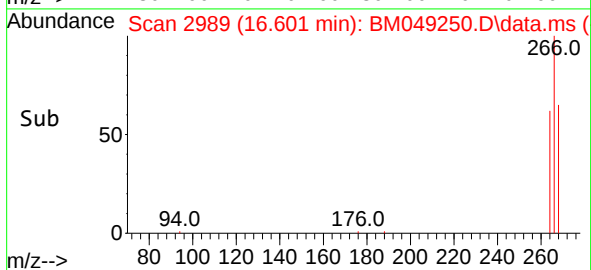
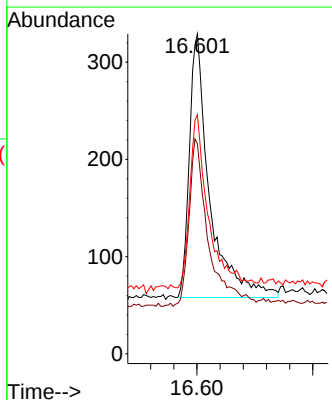
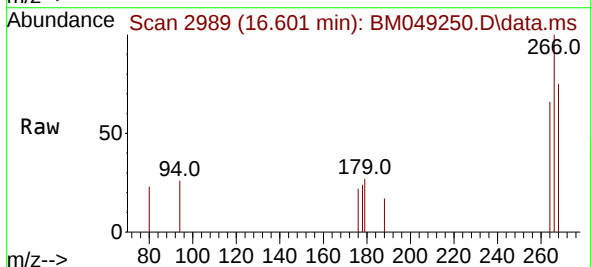
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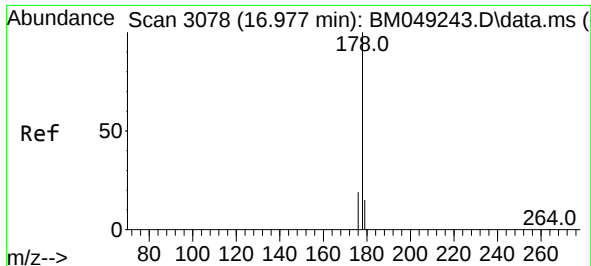
Tgt Ion:166 Resp: 3716
 Ion Ratio Lower Upper
 166 100
 165 100.1 79.7 119.5
 167 16.7 11.4 17.0



#14
 Pentachlorophenol
 Concen: 0.186 ng/ul
 RT: 16.601 min Scan# 2989
 Delta R.T. 0.006 min
 Lab File: BM049250.D
 Acq: 27 Dec 2024 11:41

Tgt Ion:266 Resp: 658
 Ion Ratio Lower Upper
 266 100
 264 60.9 48.3 72.5
 268 61.2 47.5 71.3

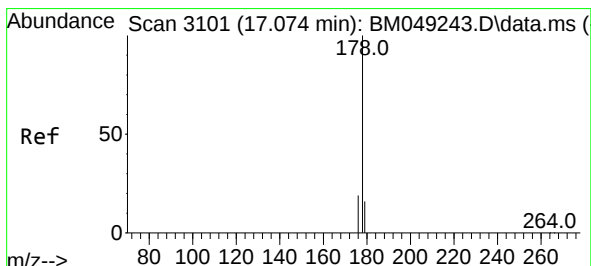
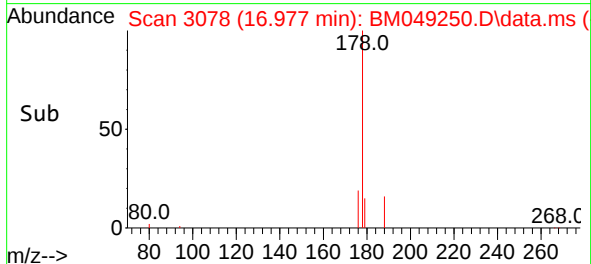
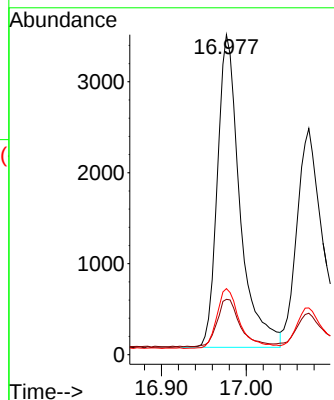
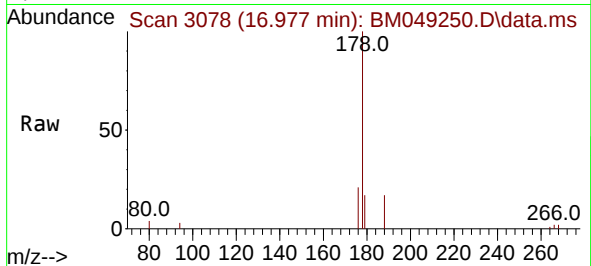




#15
Phenanthrene
Concen: 0.189 ng/ul
RT: 16.977 min Scan# 3078
Delta R.T. 0.001 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

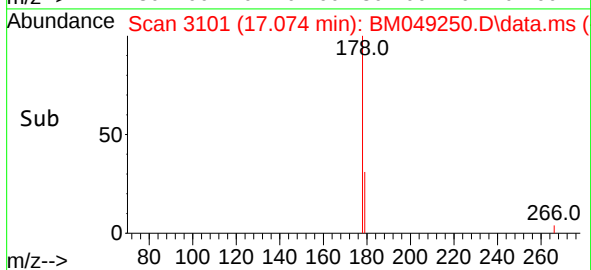
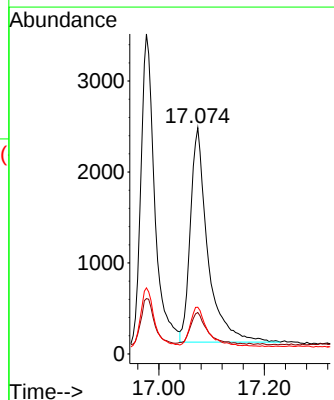
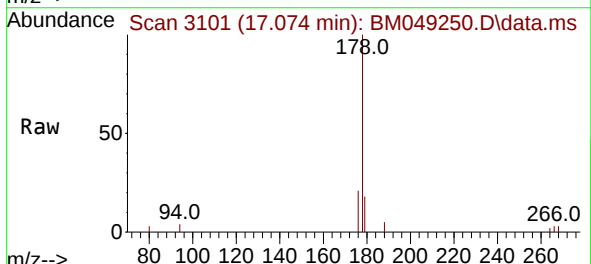
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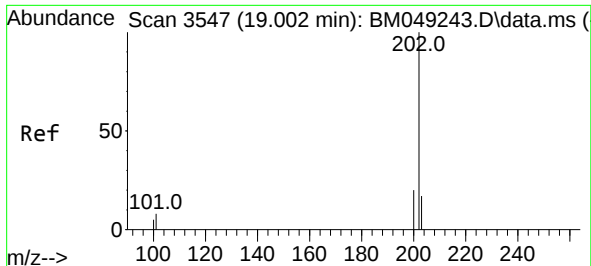
Tgt Ion:178 Resp: 6343
Ion Ratio Lower Upper
178 100
179 17.3 13.0 19.4
176 20.7 16.2 24.2



#16
Anthracene
Concen: 0.176 ng/ul
RT: 17.074 min Scan# 3101
Delta R.T. 0.006 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:178 Resp: 5402
Ion Ratio Lower Upper
178 100
179 18.3 12.9 19.3
176 20.7 15.3 22.9

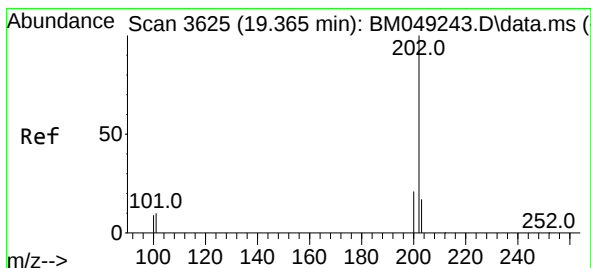
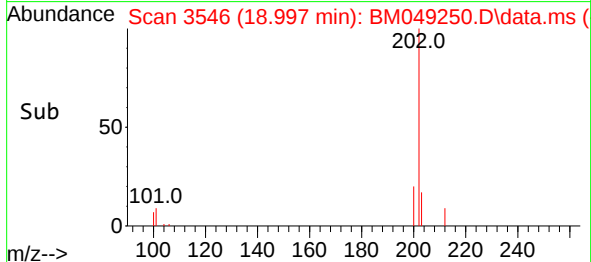
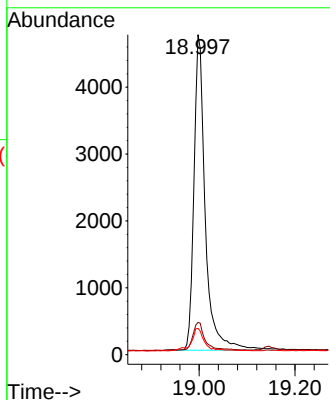
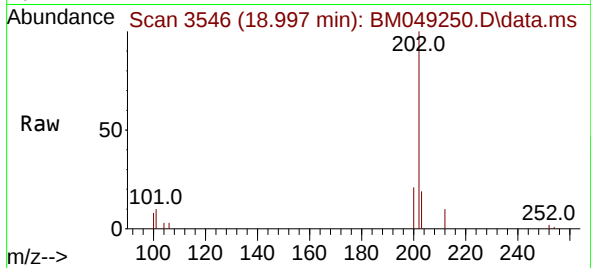




#19
Fluoranthene
Concen: 0.215 ng/ul
RT: 18.997 min Scan# 31
Delta R.T. -0.003 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

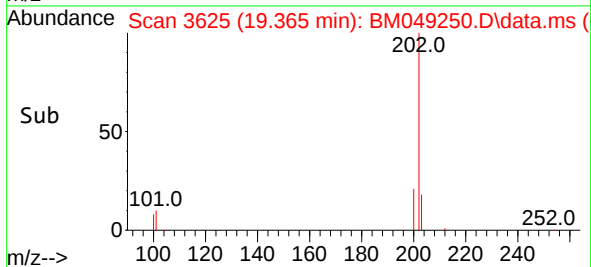
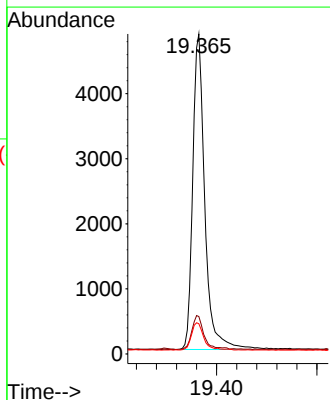
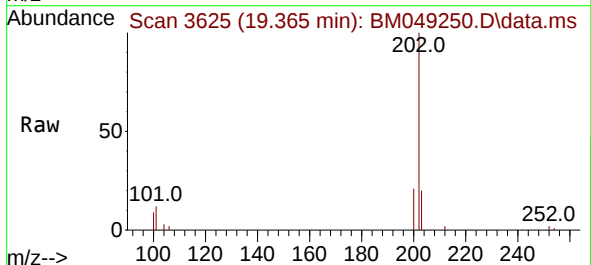
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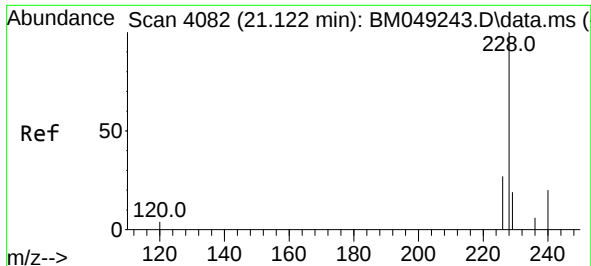
Tgt Ion:202 Resp: 7782
Ion Ratio Lower Upper
202 100
101 10.1 7.6 11.4
100 8.2 5.5 8.3



#20
Pyrene
Concen: 0.210 ng/ul
RT: 19.365 min Scan# 3625
Delta R.T. 0.001 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:202 Resp: 8110
Ion Ratio Lower Upper
202 100
101 11.7 8.9 13.3
100 9.5 6.9 10.3

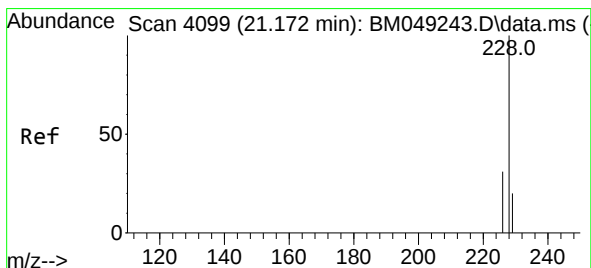
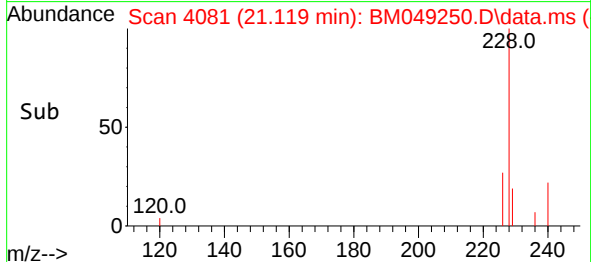
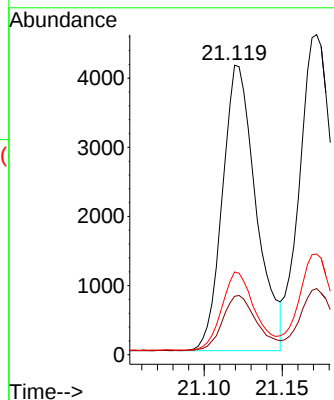
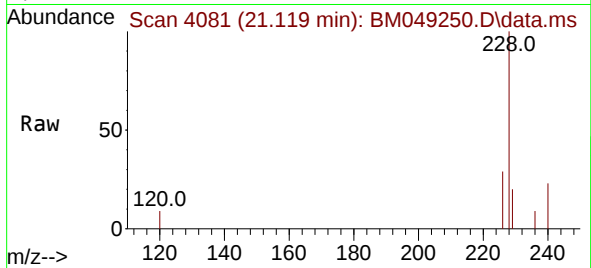




#21
Benzo(a)anthracene
Concen: 0.178 ng/ul
RT: 21.119 min Scan# 4081
Delta R.T. -0.000 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

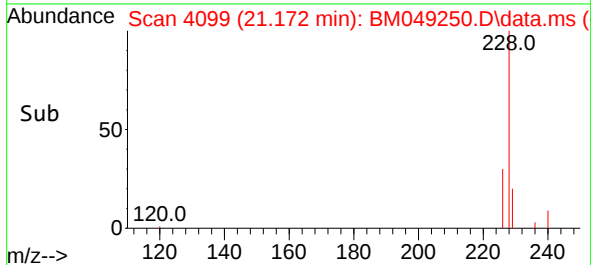
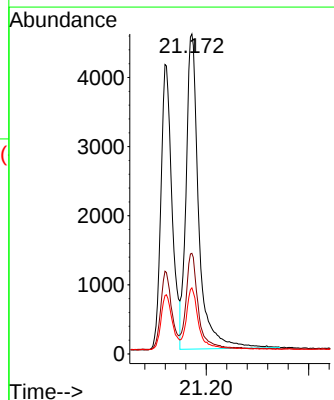
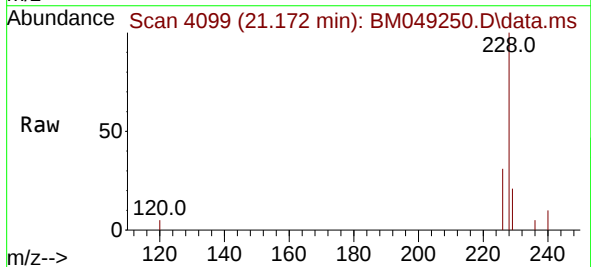
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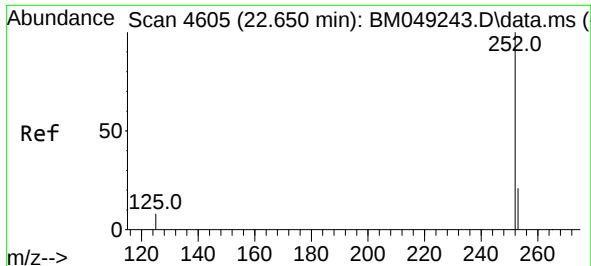
Tgt Ion:228 Resp: 6214
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 28.6 22.6 34.0



#22
Chrysene
Concen: 0.209 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. -0.000 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:228 Resp: 7834
Ion Ratio Lower Upper
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226 31.5 24.1 36.1
229 20.6 15.8 23.8

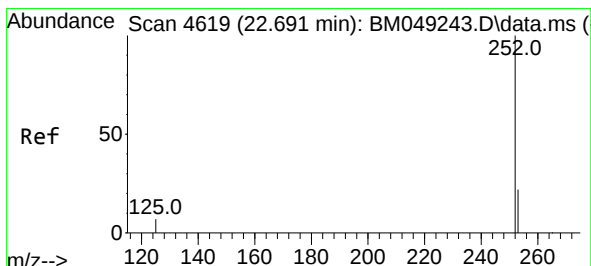
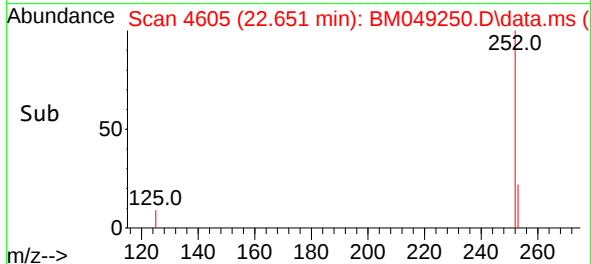
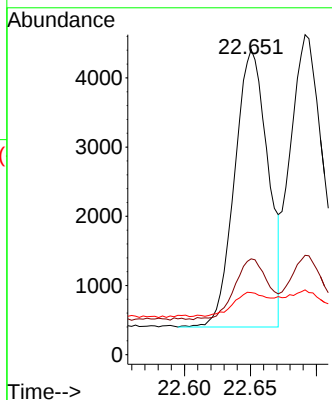
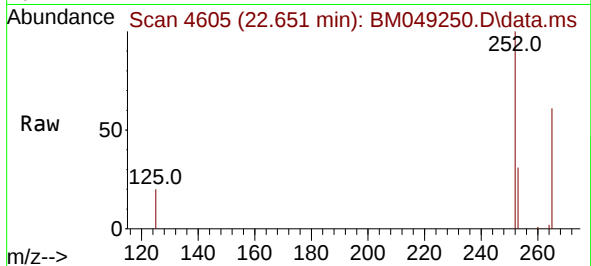




#24
Benzo(b)fluoranthene
Concen: 0.200 ng/ul
RT: 22.651 min Scan# 4605
Delta R.T. 0.003 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

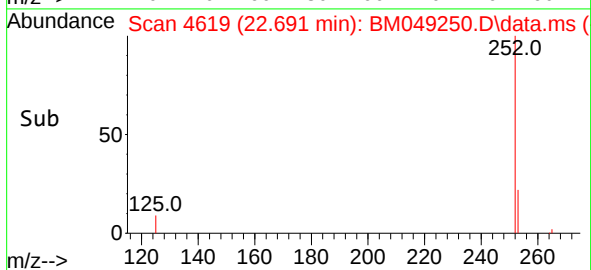
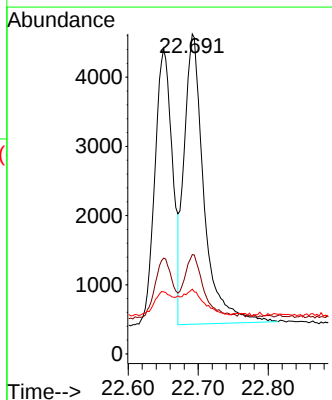
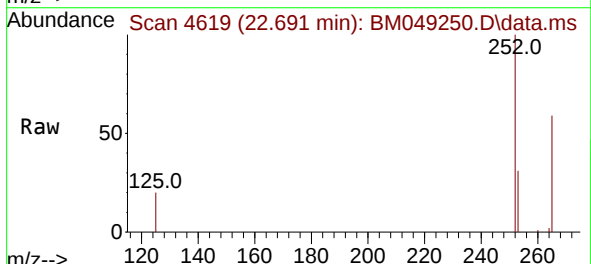
Instrument :
BNA_M
ClientSampleId :
YE5X6MSD

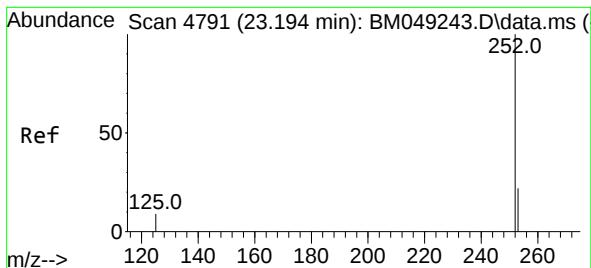
Tgt Ion:252 Resp: 7037
Ion Ratio Lower Upper
252 100
253 31.4 0.0 52.6
125 20.4 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.214 ng/ul
RT: 22.691 min Scan# 4619
Delta R.T. -0.000 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:252 Resp: 8248
Ion Ratio Lower Upper
252 100
253 31.0 21.3 31.9
125 20.2 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.200 ng/ul

RT: 23.197 min Scan# 4791

Delta R.T. 0.005 min

Lab File: BM049250.D

Acq: 27 Dec 2024 11:41

Instrument :

BNA_M

ClientSampleId :

YE5X6MSD

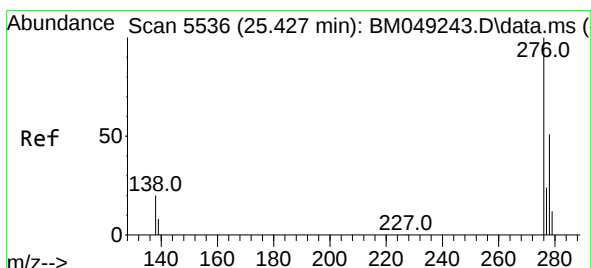
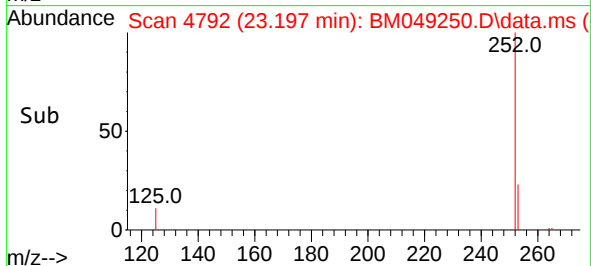
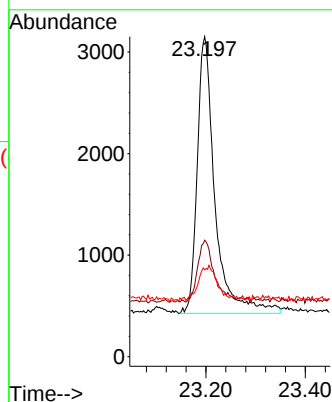
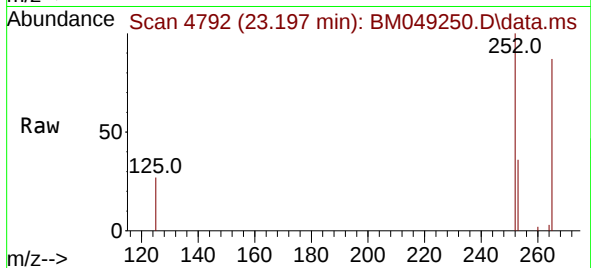
Tgt Ion:252 Resp: 6735

Ion Ratio Lower Upper

252 100

253 36.4 22.4 33.6#

125 27.2 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.190 ng/ul

RT: 25.427 min Scan# 5536

Delta R.T. 0.010 min

Lab File: BM049250.D

Acq: 27 Dec 2024 11:41

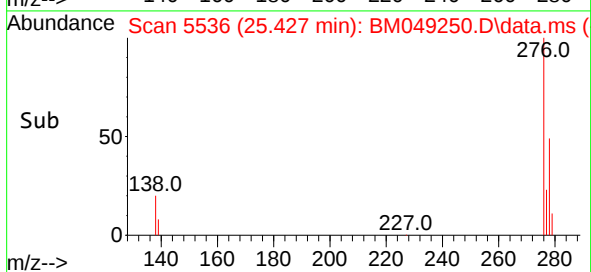
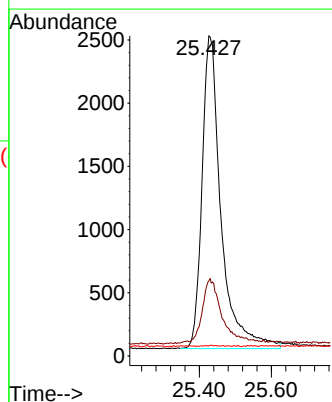
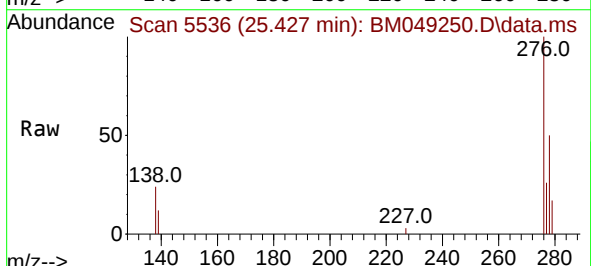
Tgt Ion:276 Resp: 9059

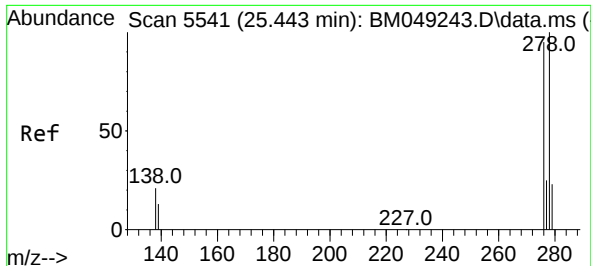
Ion Ratio Lower Upper

276 100

138 20.2 17.4 26.2

227 0.2 0.2 0.2

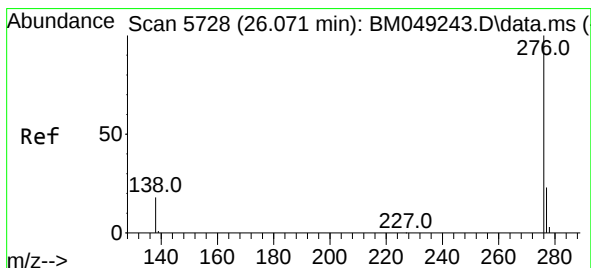
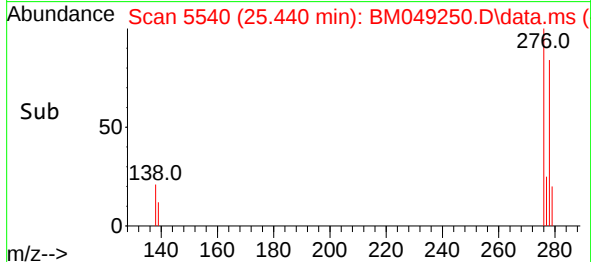
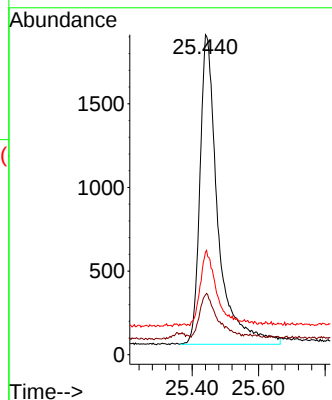
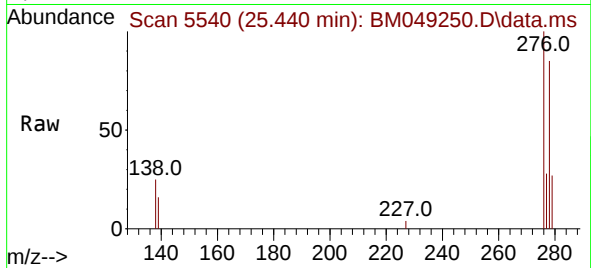




#28
Dibenzo(a,h)anthracene
Concen: 0.187 ng/ul
RT: 25.440 min Scan# 51
Delta R.T. 0.003 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Instrument :
BNA_M
ClientSampleId :
YE5X6MSD

Tgt Ion:278 Resp: 6920
Ion Ratio Lower Upper
278 100
139 18.7 13.5 20.3
279 32.0 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.198 ng/ul
RT: 26.074 min Scan# 5729
Delta R.T. 0.006 min
Lab File: BM049250.D
Acq: 27 Dec 2024 11:41

Tgt Ion:276 Resp: 7597
Ion Ratio Lower Upper
276 100
138 24.3 16.7 25.1
277 26.8 19.9 29.9

