

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121824\
 Data File : BM049056.D
 Acq On : 18 Dec 2024 19:13
 Operator : RC/JU
 Sample : P5155-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Q9DL

Quant Time: Dec 19 01:46:10 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)

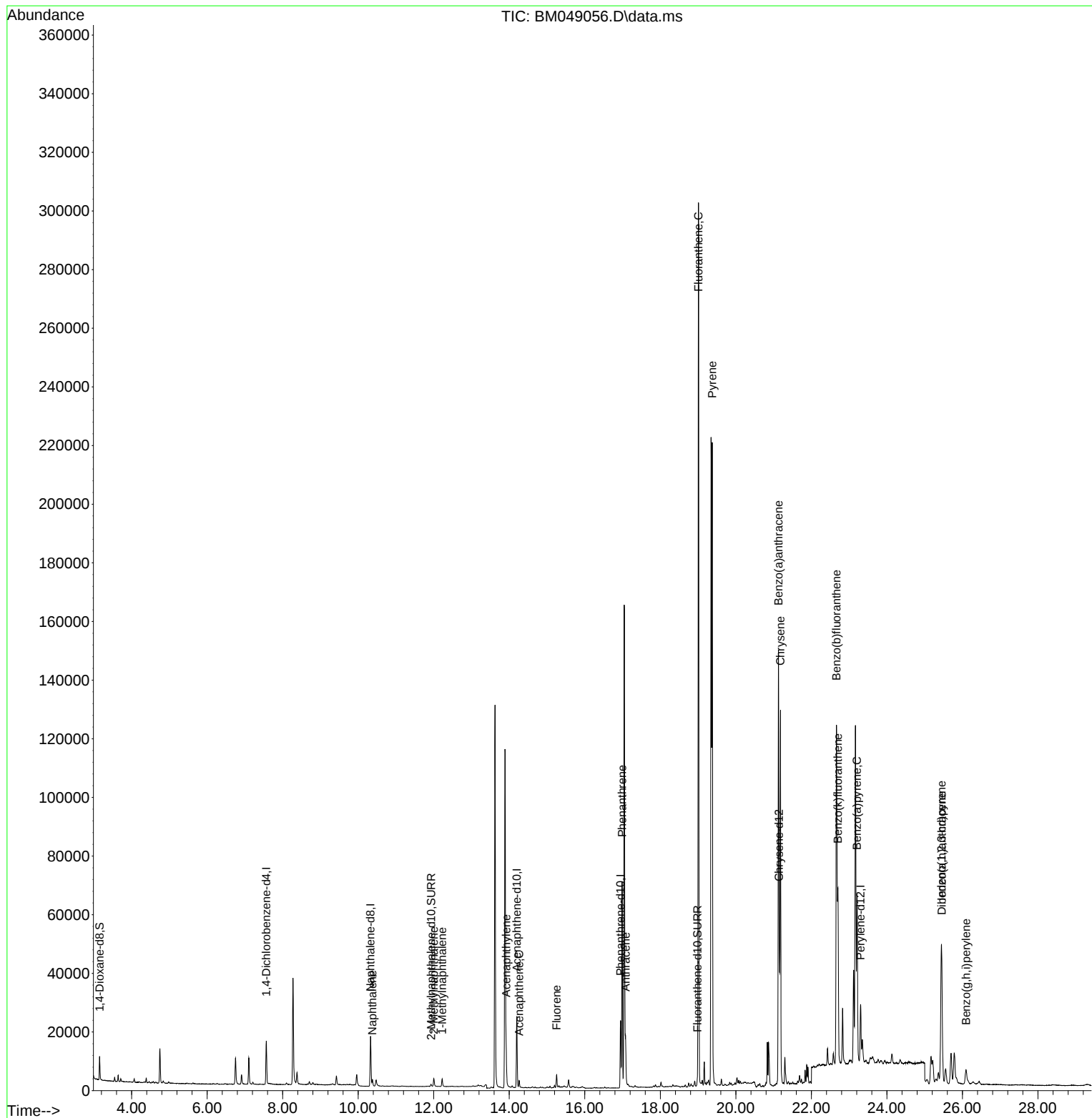
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	7869	0.400	ng/ul	0.00
4) Naphthalene-d8	10.325	136	23724	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.200	164	13540	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	28474	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	23724	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	24228m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	4812	0.530	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.930	152	1170	0.037	ng/ul	0.00
18) Fluoranthene-d10	18.982	212	2588	0.038	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.374	128	2801	0.047	ng/ul#	90
7) 2-Methylnaphthalene	12.002	142	2362	0.063	ng/ul	99
8) 1-Methylnaphthalene	12.222	142	2003	0.052	ng/ul	97
10) Acenaphthylene	13.918	152	15691	0.280	ng/ul	100
11) Acenaphthene	14.260	153	1422	0.035	ng/ul	96
12) Fluorene	15.255	166	2899	0.063	ng/ul#	98
15) Phenanthrene	16.988	178	74420	1.001	ng/ul	99
16) Anthracene	17.081	178	17370	0.254	ng/ul	99
19) Fluoranthene	19.010	202	254211	2.964	ng/ul	100
20) Pyrene	19.372	202	178526	1.952	ng/ul	99
21) Benzo(a)anthracene	21.129	228	118569	1.437	ng/ul	98
22) Chrysene	21.181	228	119863	1.353	ng/ul	98
24) Benzo(b)fluoranthene	22.665	252	181694m	2.347	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	66780m	0.786	ng/ul	
26) Benzo(a)pyrene	23.209	252	72871m	0.982	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.444	276	73223	0.697	ng/ul	94
28) Dibenzo(a,h)anthracene	25.454	278	21703	0.266	ng/ul	96
29) Benzo(g,h,i)perylene	26.094	276	10818	0.128	ng/ul#	91

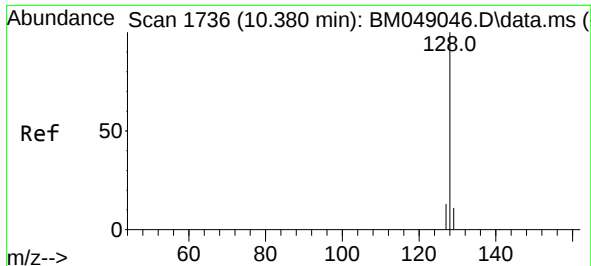
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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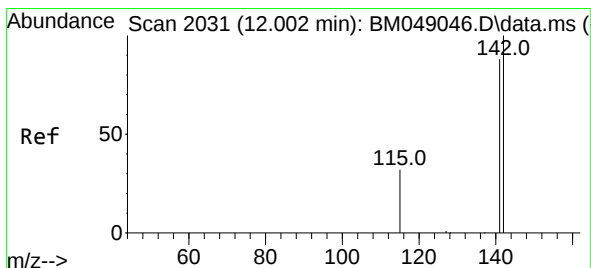
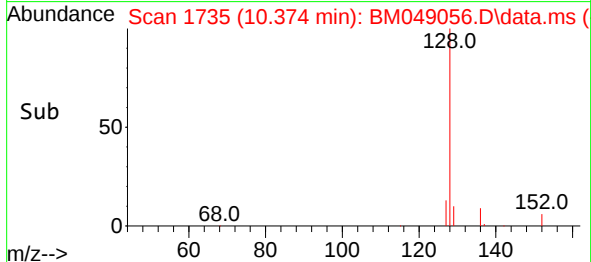
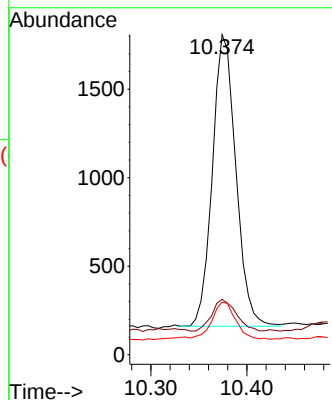
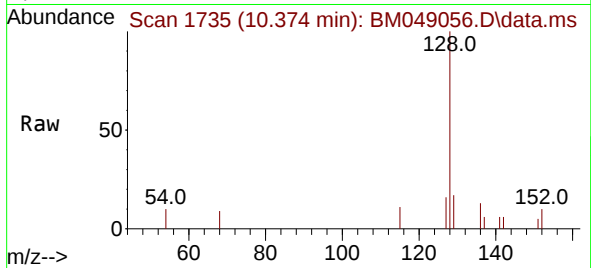




#5
Naphthalene
Concen: 0.047 ng/ul
RT: 10.374 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

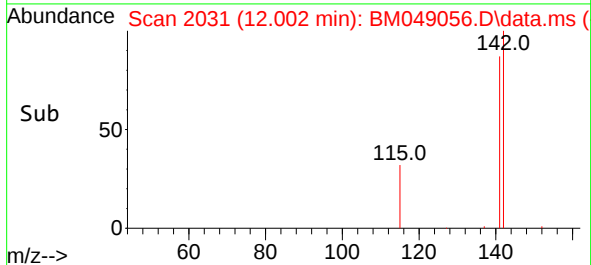
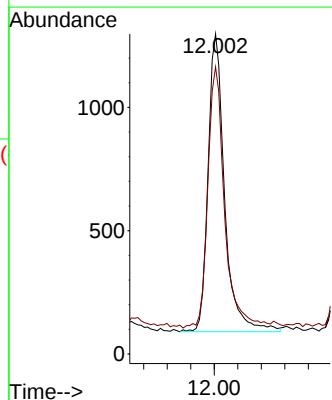
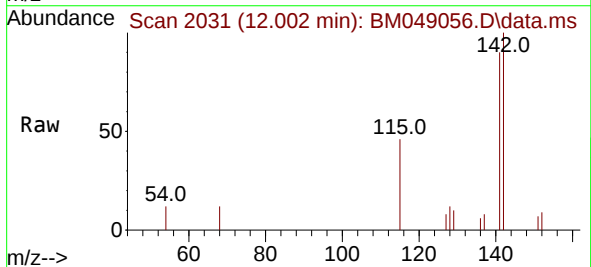
Instrument :
BNA_M
ClientSampleId :
E28Q9DL

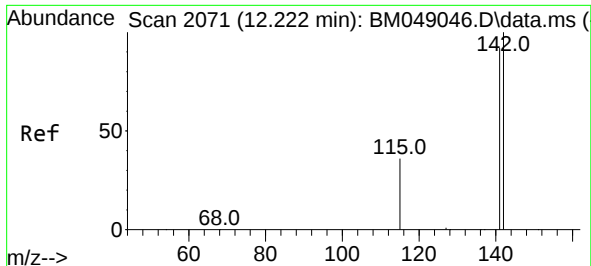
Tgt Ion:128 Resp: 2801
Ion Ratio Lower Upper
128 100
129 17.3 9.7 14.5#
127 16.4 10.6 16.0#



#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.002 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:142 Resp: 2362
Ion Ratio Lower Upper
142 100
141 88.9 71.7 107.5

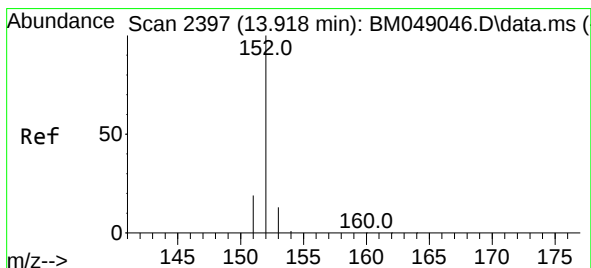
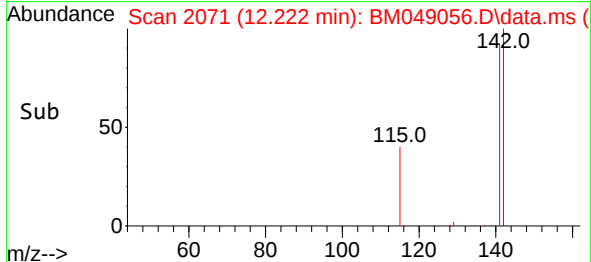
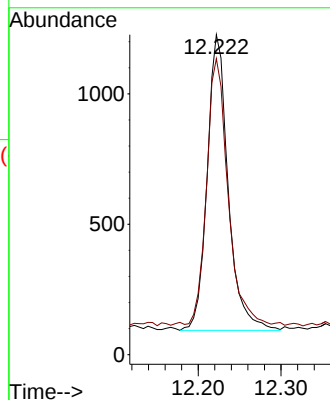
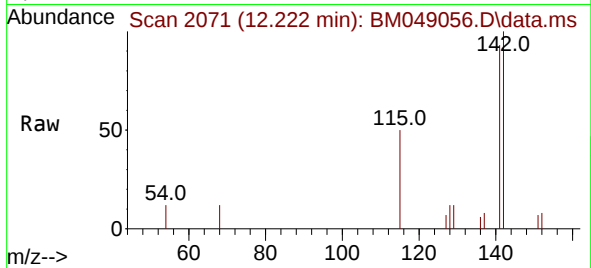




#8
1-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.222 min Scan# 2071
Delta R.T. -0.000 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

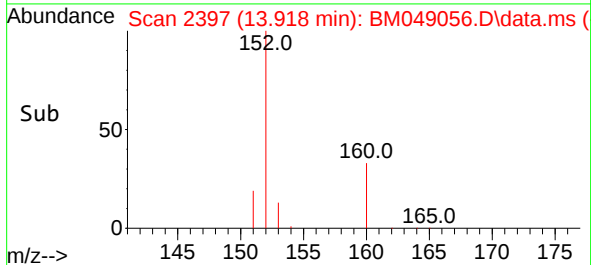
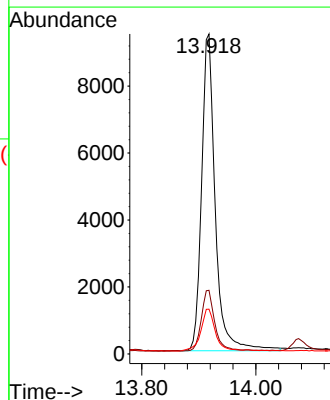
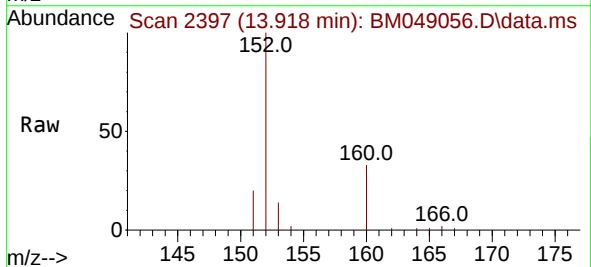
Instrument :
BNA_M
ClientSampleId :
E28Q9DL

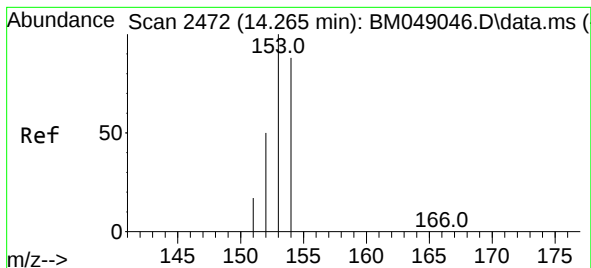
Tgt Ion:142 Resp: 2003
Ion Ratio Lower Upper
142 100
141 93.5 72.7 109.1



#10
Acenaphthylene
Concen: 0.280 ng/ul
RT: 13.918 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:152 Resp: 15691
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 14.0 11.0 16.6





#11

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.260 min Scan# 2472

Delta R.T. -0.005 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

Instrument :

BNA_M

ClientSampleId :

E28Q9DL

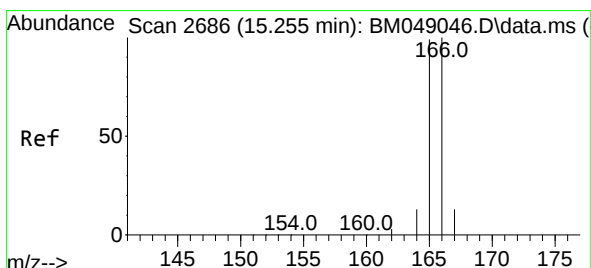
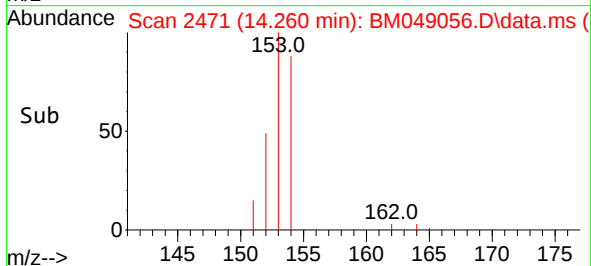
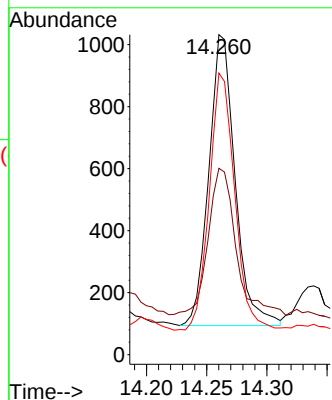
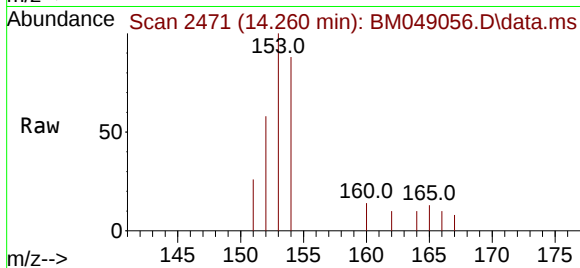
Tgt Ion:153 Resp: 1422

Ion Ratio Lower Upper

153 100

152 58.2 40.7 61.1

154 88.0 70.8 106.2



#12

Fluorene

Concen: 0.063 ng/ul

RT: 15.255 min Scan# 2686

Delta R.T. -0.000 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

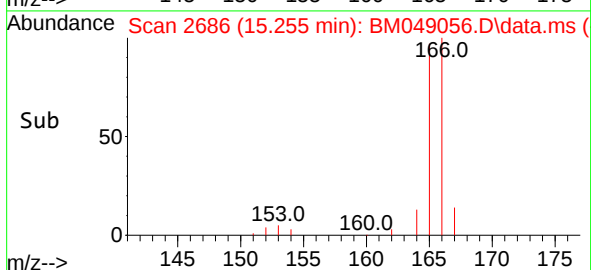
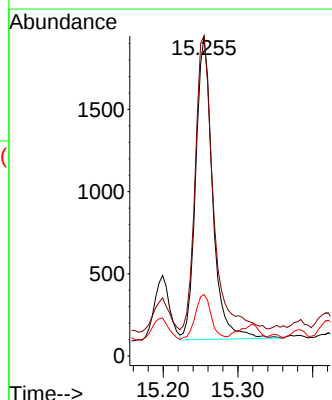
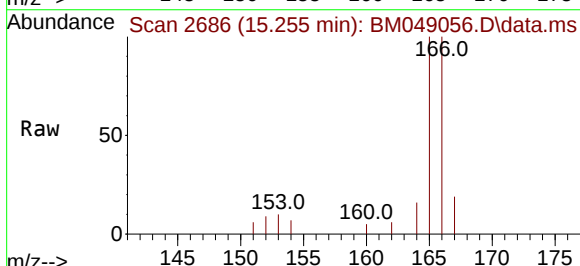
Tgt Ion:166 Resp: 2899

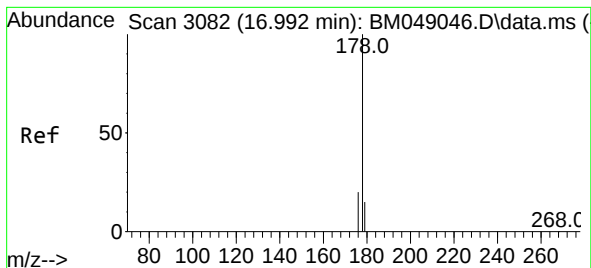
Ion Ratio Lower Upper

166 100

165 100.5 79.7 119.5

167 19.3 11.4 17.0#





#15

Phenanthrene

Concen: 1.001 ng/ul

RT: 16.988 min Scan# 3082

Delta R.T. -0.004 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

Instrument :

BNA_M

ClientSampleId :

E28Q9DL

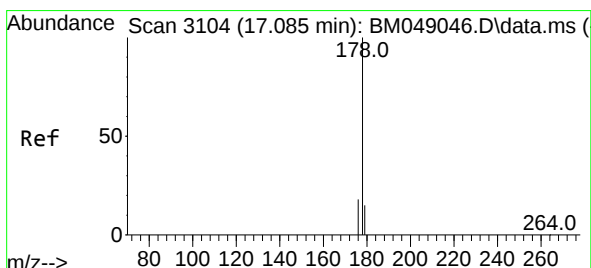
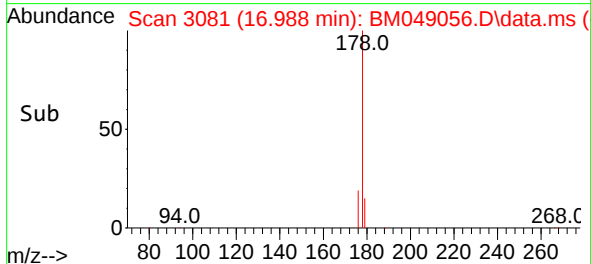
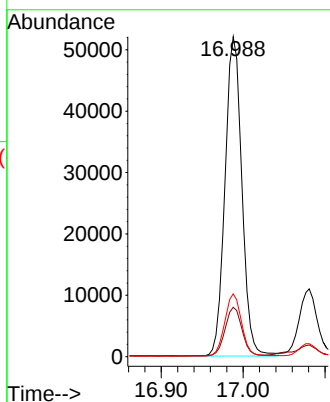
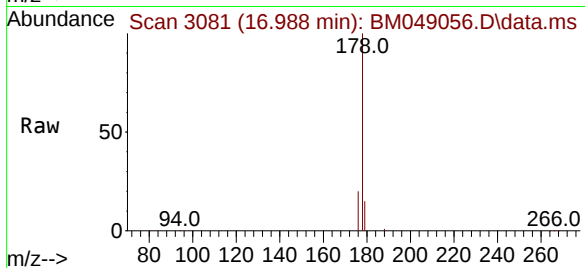
Tgt Ion:178 Resp: 74420

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

176 19.6 16.2 24.2



#16

Anthracene

Concen: 0.254 ng/ul

RT: 17.081 min Scan# 3103

Delta R.T. -0.004 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

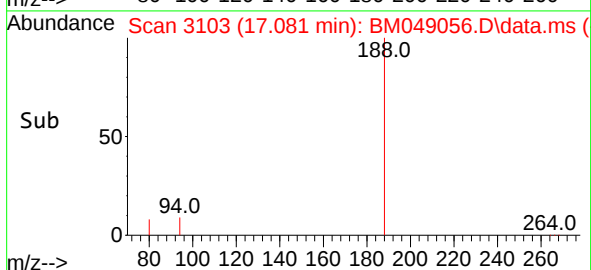
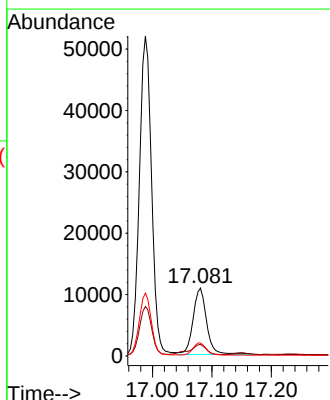
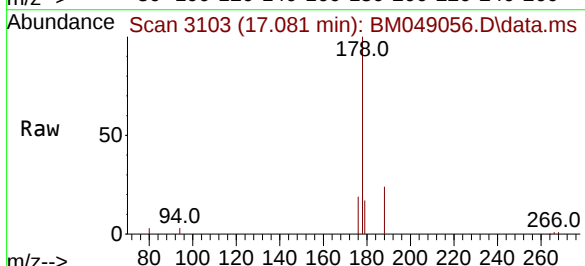
Tgt Ion:178 Resp: 17370

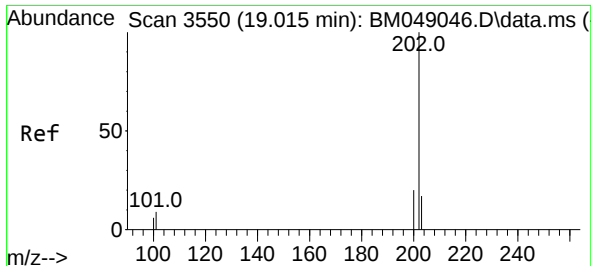
Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

176 19.2 15.3 22.9

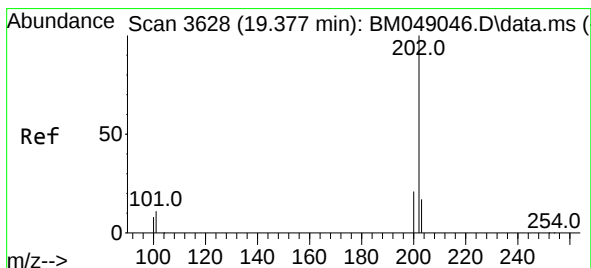
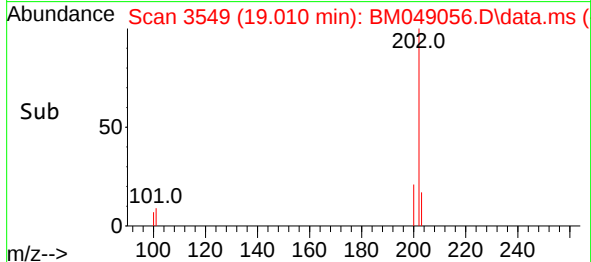
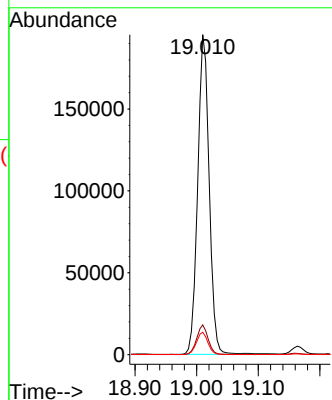
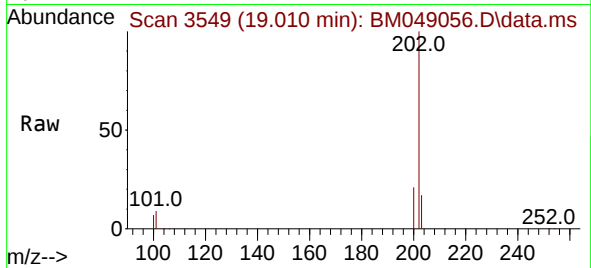




#19
Fluoranthene
Concen: 2.964 ng/ul
RT: 19.010 min Scan# 3549
Delta R.T. -0.005 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

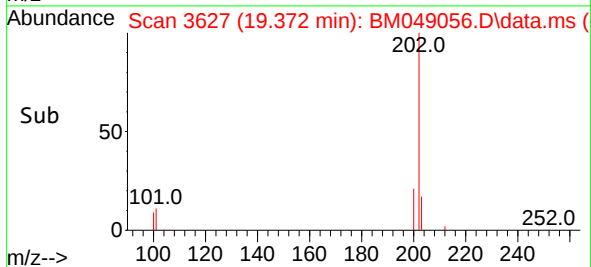
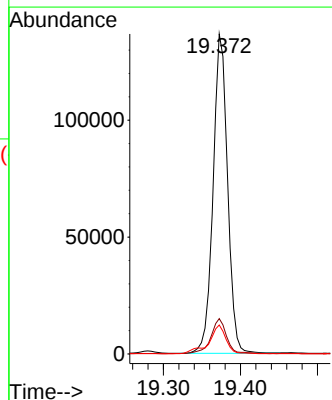
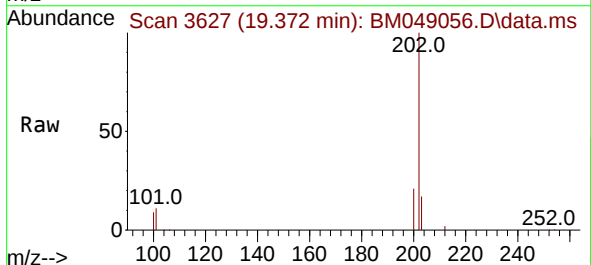
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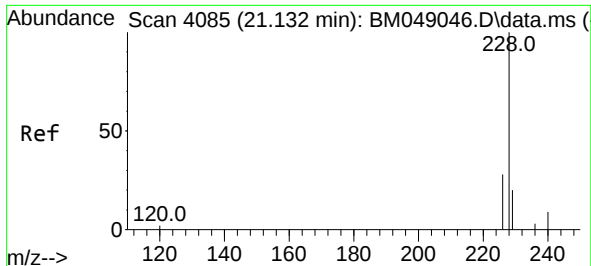
Tgt Ion:202 Resp: 254211
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
100 7.0 5.5 8.3



#20
Pyrene
Concen: 1.952 ng/ul
RT: 19.372 min Scan# 3627
Delta R.T. -0.005 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:202 Resp: 178526
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
100 9.0 6.9 10.3

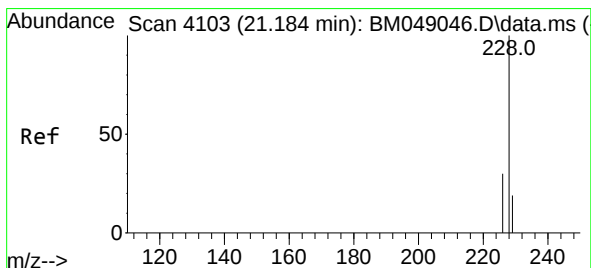
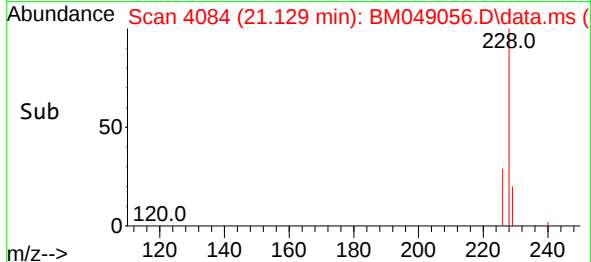
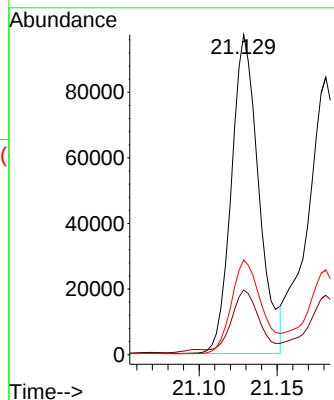
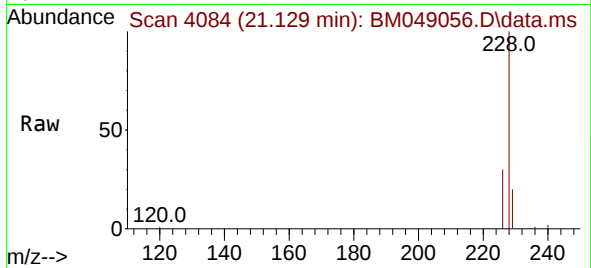




#21
Benzo(a)anthracene
Concen: 1.437 ng/ul
RT: 21.129 min Scan# 4085
Delta R.T. -0.003 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

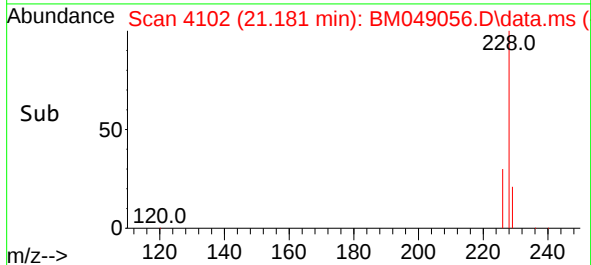
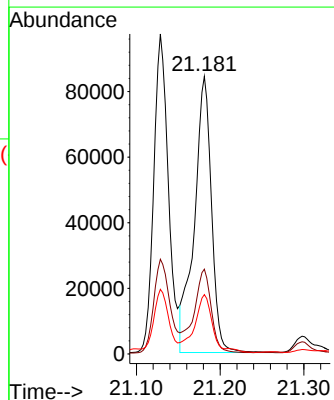
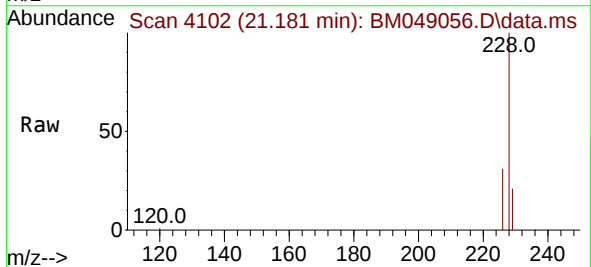
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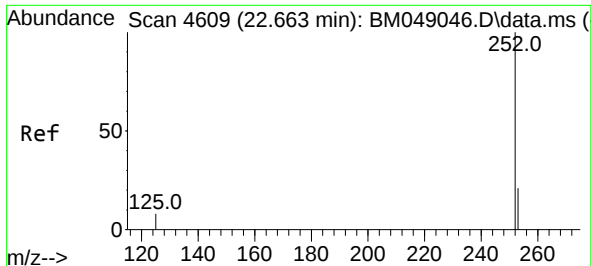
Tgt Ion:228 Resp: 118569
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 29.6 22.6 34.0



#22
Chrysene
Concen: 1.353 ng/ul
RT: 21.181 min Scan# 4102
Delta R.T. -0.003 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:228 Resp: 119863
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.4 15.8 23.8

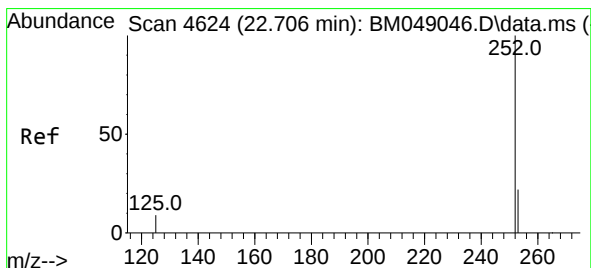
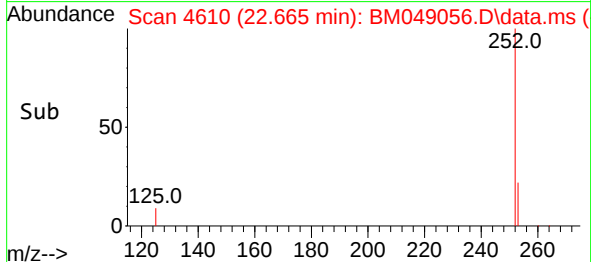
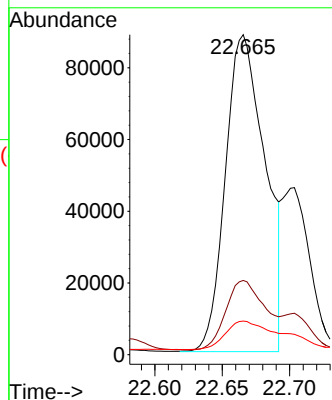
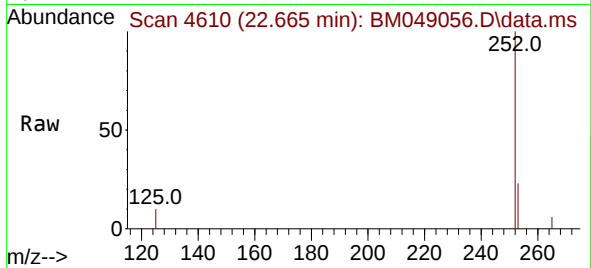




#24
Benzo(b)fluoranthene
Concen: 2.347 ng/ul m
RT: 22.665 min Scan# 4609
Delta R.T. 0.003 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

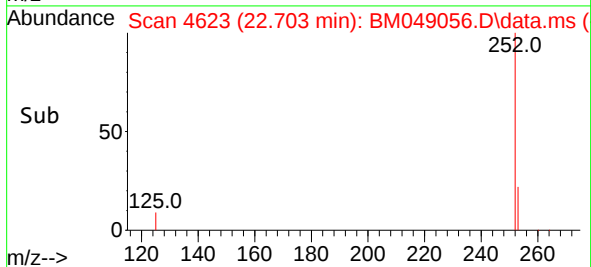
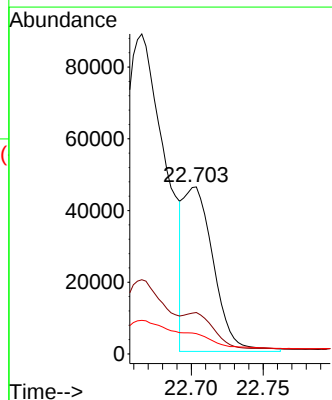
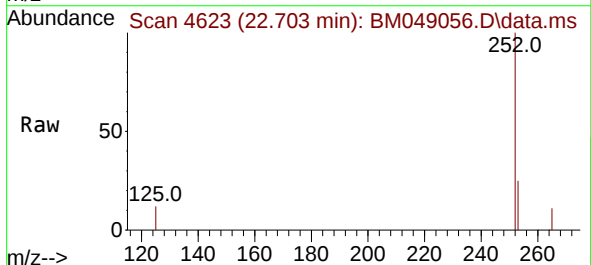
Instrument :
BNA_M
ClientSampleId :
E28Q9DL

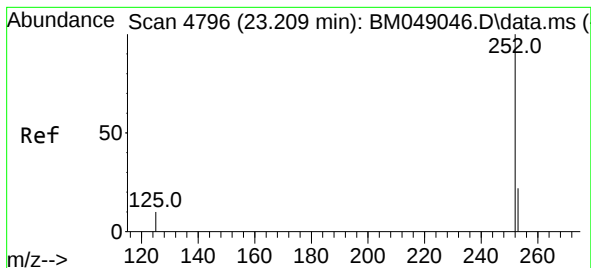
Tgt Ion:252 Resp: 181694
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.6
125 10.5 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 0.786 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.003 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:252 Resp: 66780
Ion Ratio Lower Upper
252 100
253 24.8 21.3 31.9
125 12.2 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.982 ng/ul m

RT: 23.209 min Scan# 4

Delta R.T. -0.000 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

Instrument :

BNA_M

ClientSampleId :

E28Q9DL

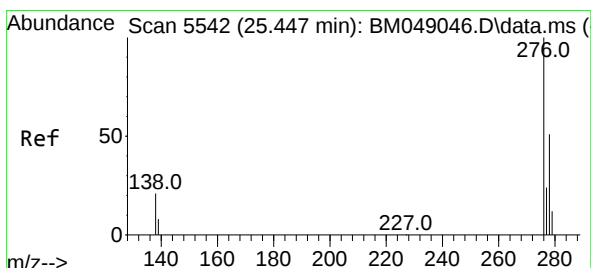
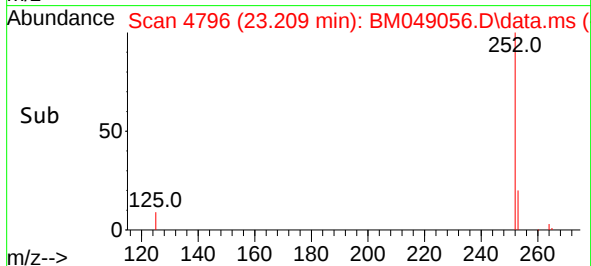
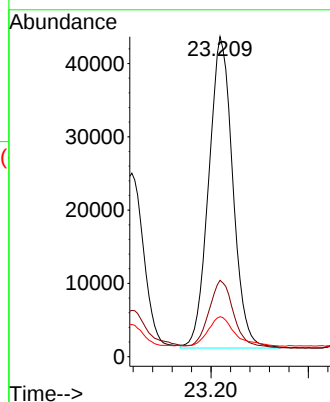
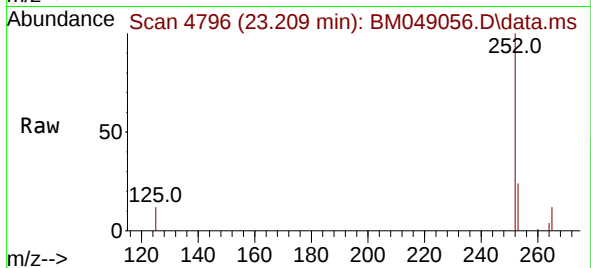
Tgt Ion:252 Resp: 72871

Ion Ratio Lower Upper

252 100

253 23.8 22.4 33.6

125 12.5 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.697 ng/ul

RT: 25.444 min Scan# 5541

Delta R.T. -0.003 min

Lab File: BM049056.D

Acq: 18 Dec 2024 19:13

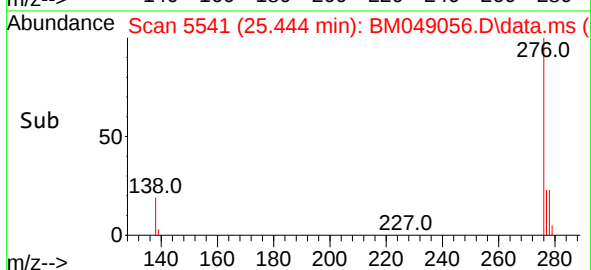
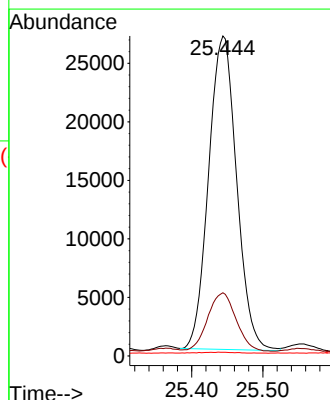
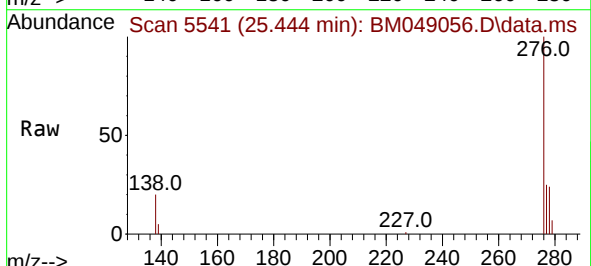
Tgt Ion:276 Resp: 73223

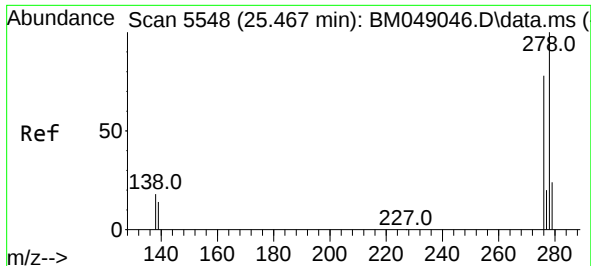
Ion Ratio Lower Upper

276 100

138 19.1 17.4 26.2

227 0.2 0.2 0.2

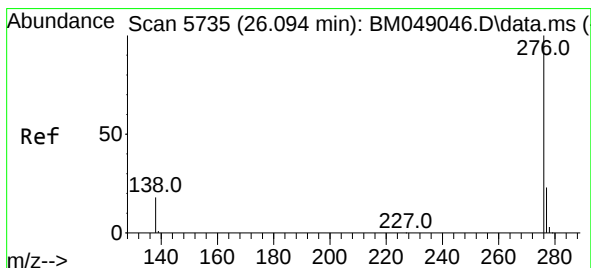
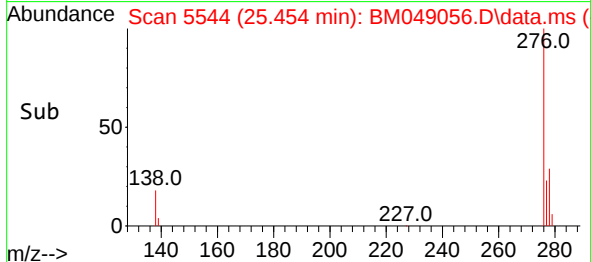
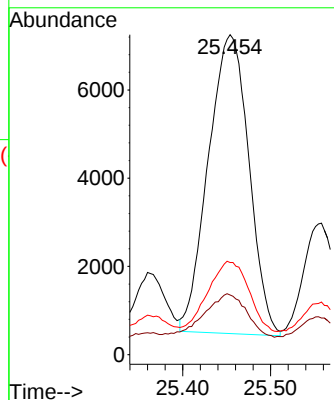
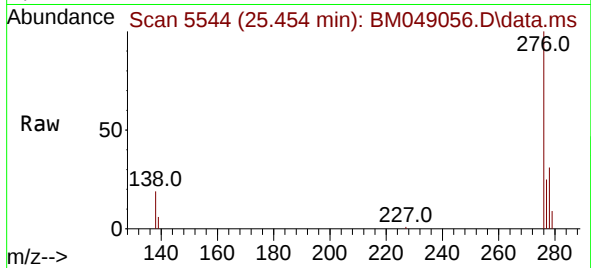




#28
Dibenzo(a,h)anthracene
Concen: 0.266 ng/ul
RT: 25.454 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Instrument :
BNA_M
ClientSampleId :
E28Q9DL

Tgt Ion:278 Resp: 21703
Ion Ratio Lower Upper
278 100
139 18.6 13.5 20.3
279 28.8 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.128 ng/ul
RT: 26.094 min Scan# 5735
Delta R.T. -0.000 min
Lab File: BM049056.D
Acq: 18 Dec 2024 19:13

Tgt Ion:276 Resp: 10818
Ion Ratio Lower Upper
276 100
138 25.7 16.7 25.1#
277 29.1 19.9 29.9

