

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122624\
 Data File : BM049233.D
 Acq On : 26 Dec 2024 19:21
 Operator : RC/JU
 Sample : P5333-04DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2907DL

Quant Time: Dec 26 21:59:29 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)

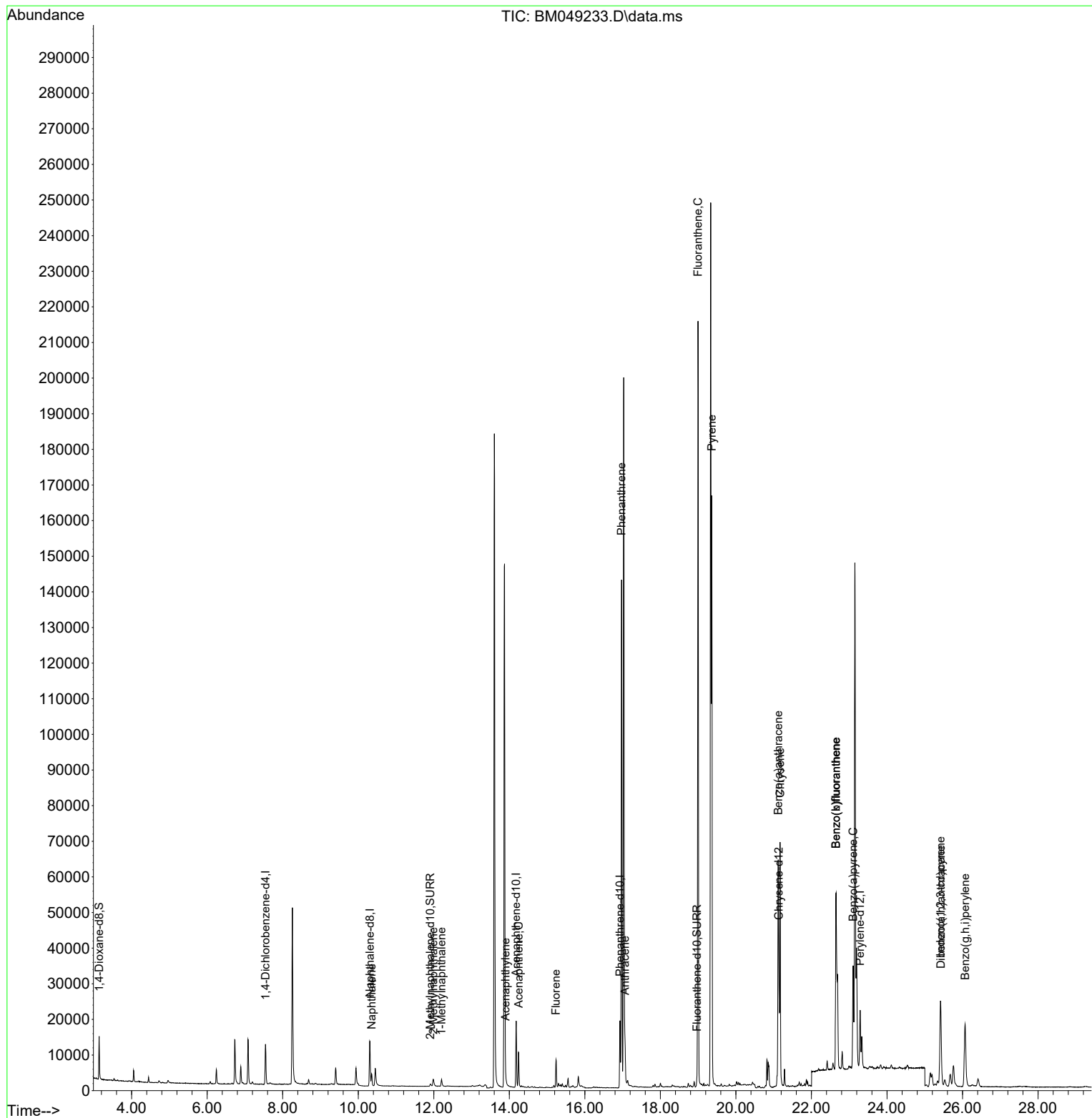
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	6040	0.400	ng/ul	0.00
4) Naphthalene-d8	10.308	136	18091	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.182	164	10440	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.929	188	22747	0.400	ng/ul	0.00
17) Chrysene-d12	21.135	240	19044	0.400	ng/ul	0.00
23) Perylene-d12	23.288	264	20684	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	6616	0.950	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.909	152	1375	0.057	ng/ul	0.00
18) Fluoranthene-d10	18.968	212	2539	0.047	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.352	128	4511	0.100	ng/ul#	95
7) 2-Methylnaphthalene	11.986	142	2304	0.080	ng/ul	96
8) 1-Methylnaphthalene	12.206	142	1678	0.057	ng/ul	97
10) Acenaphthylene	13.899	152	919	0.021	ng/ul#	69
11) Acenaphthene	14.246	153	5838	0.185	ng/ul	99
12) Fluorene	15.236	166	5077	0.142	ng/ul	99
15) Phenanthrene	16.971	178	147054	2.475	ng/ul	98
16) Anthracene	17.064	178	10185	0.187	ng/ul	97
19) Fluoranthene	18.996	202	184573	2.681	ng/ul	99
20) Pyrene	19.359	202	140945	1.919	ng/ul	99
21) Benzo(a)anthracene	21.120	228	51846	0.783	ng/ul	98
22) Chrysene	21.170	228	66446	0.935	ng/ul	98
24) Benzo(b)fluoranthene	22.651	252	109361	1.655	ng/ul	93
25) Benzo(k)fluoranthene	22.651	252	109361	1.508	ng/ul#	92
26) Benzo(a)pyrene	23.104	252	37988	0.599	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.417	276	37580	0.419	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.427	278	8952	0.128	ng/ul#	91
29) Benzo(g,h,i)perylene	26.068	276	36408	0.505	ng/ul	97

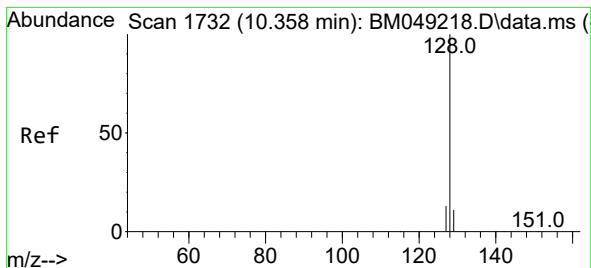
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.100 ng/ul

RT: 10.352 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049233.D

Acq: 26 Dec 2024 19:21

Instrument :

BNA_M

ClientSampleId :

E2907DL

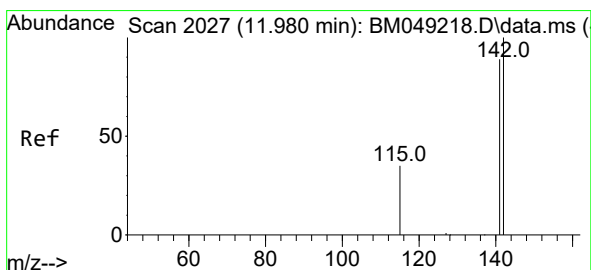
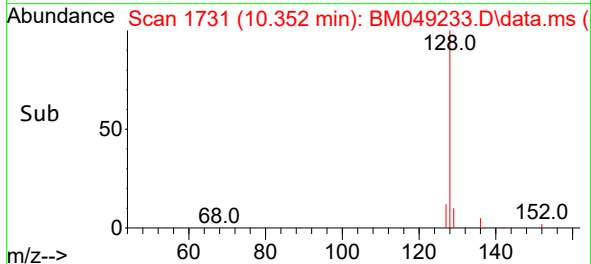
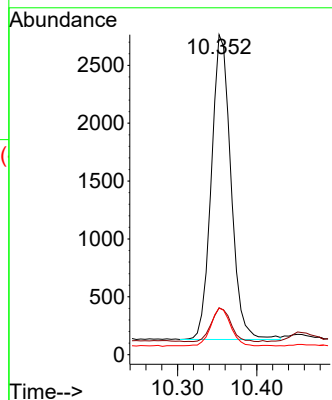
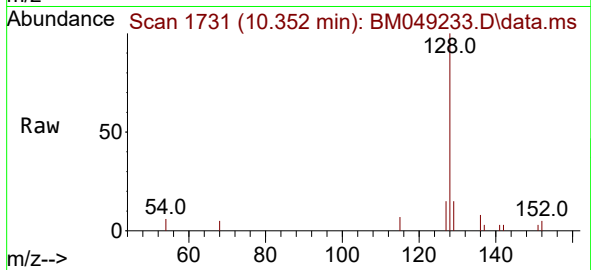
Tgt Ion:128 Resp: 4511

Ion Ratio Lower Upper

128 100

129 14.6 9.7 14.5#

127 14.6 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.080 ng/ul

RT: 11.986 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BM049233.D

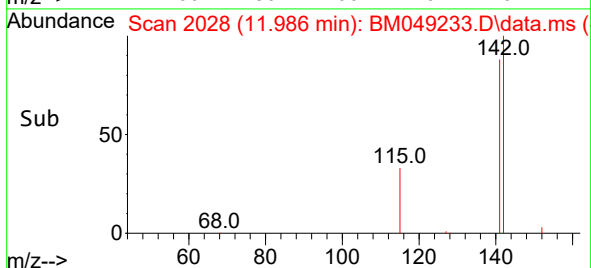
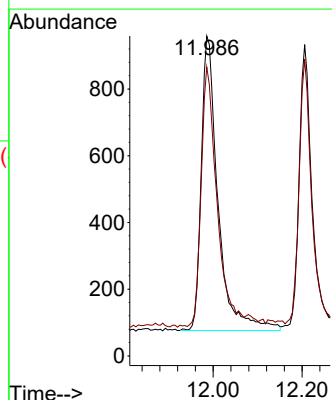
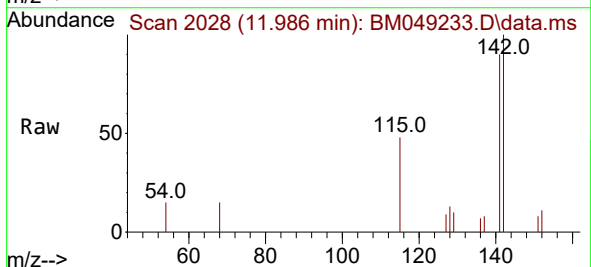
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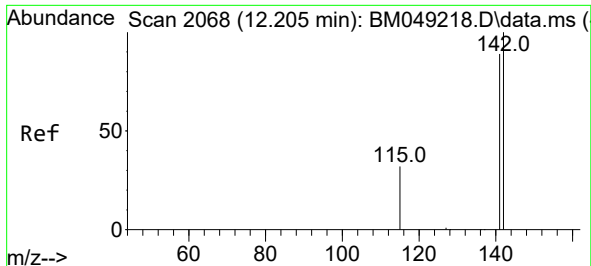
Tgt Ion:142 Resp: 2304

Ion Ratio Lower Upper

142 100

141 85.8 71.7 107.5

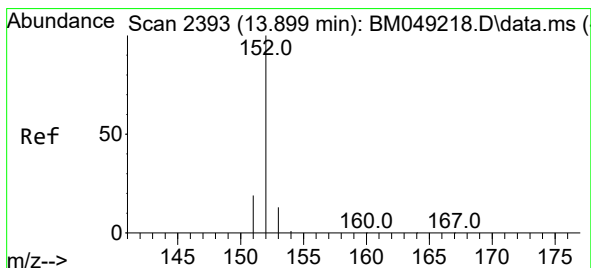
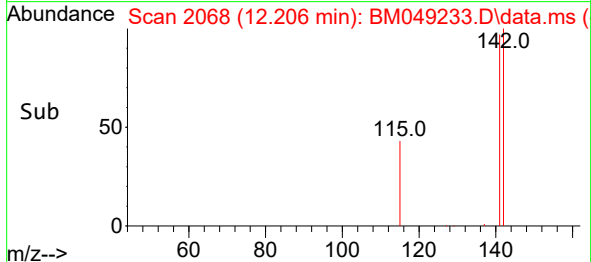
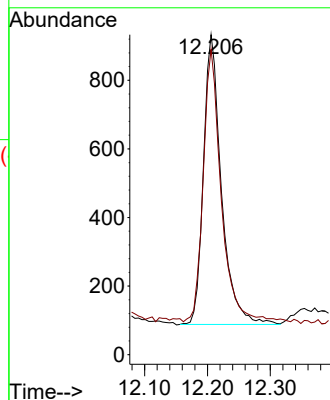
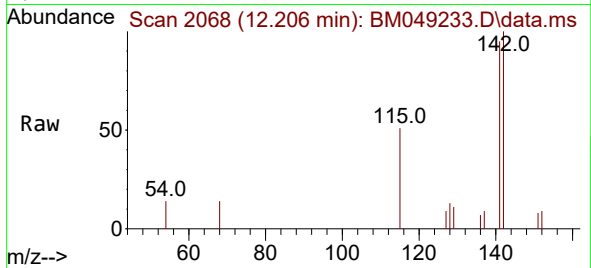




#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.206 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

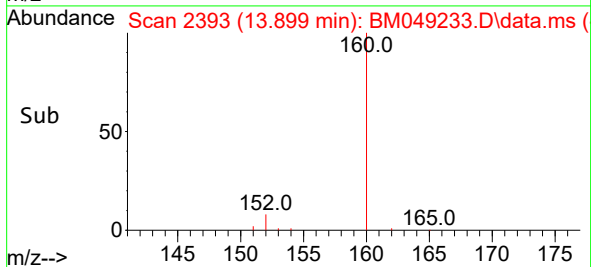
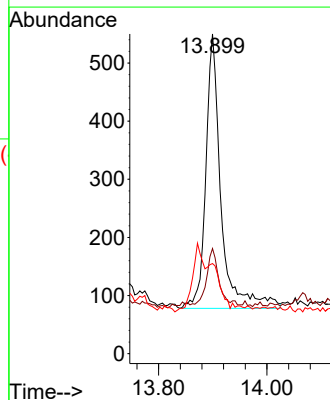
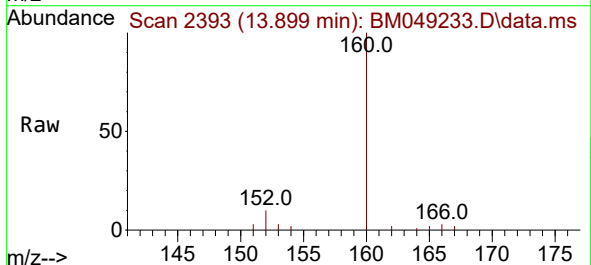
Instrument :
BNA_M
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E2907DL

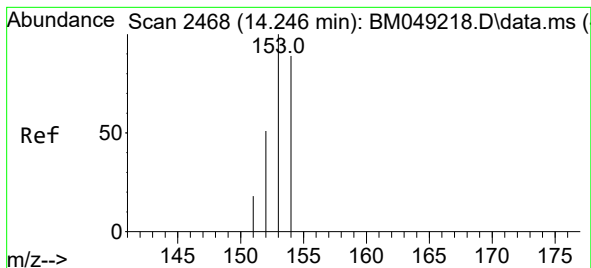
Tgt Ion:142 Resp: 1678
Ion Ratio Lower Upper
142 100
141 93.9 72.7 109.1



#10
Acenaphthylene
Concen: 0.021 ng/ul
RT: 13.899 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:152 Resp: 919
Ion Ratio Lower Upper
152 100
151 32.9 16.0 24.0#
153 28.2 11.0 16.6#





#11

Acenaphthene

Concen: 0.185 ng/ul

RT: 14.246 min Scan# 2468

Delta R.T. 0.000 min

Lab File: BM049233.D

Acq: 26 Dec 2024 19:21

Instrument :

BNA_M

ClientSampleId :

E2907DL

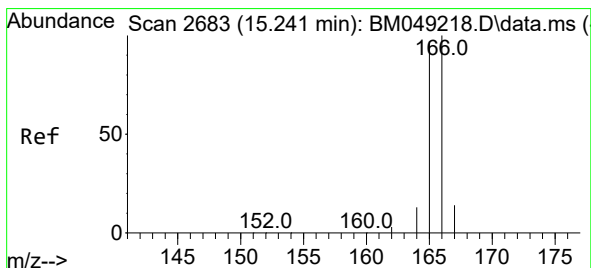
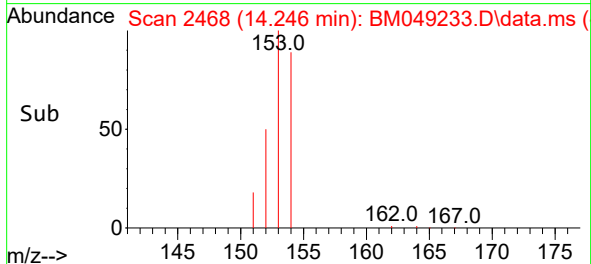
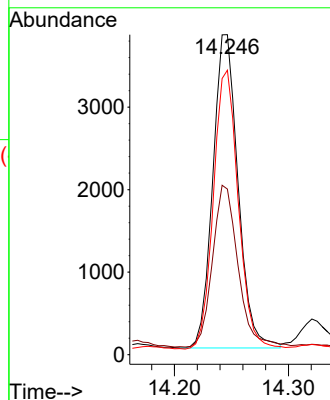
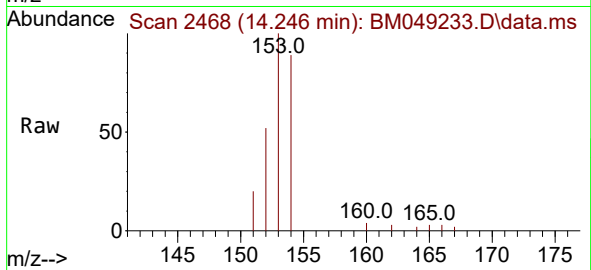
Tgt Ion:153 Resp: 5838

Ion Ratio Lower Upper

153 100

152 51.8 40.7 61.1

154 88.9 70.8 106.2



#12

Fluorene

Concen: 0.142 ng/ul

RT: 15.236 min Scan# 2682

Delta R.T. -0.004 min

Lab File: BM049233.D

Acq: 26 Dec 2024 19:21

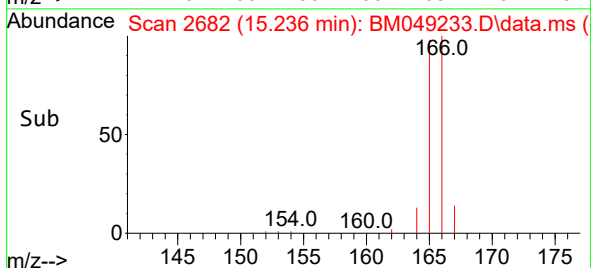
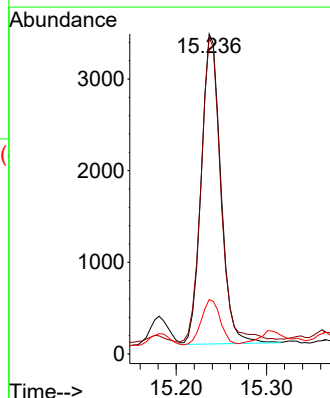
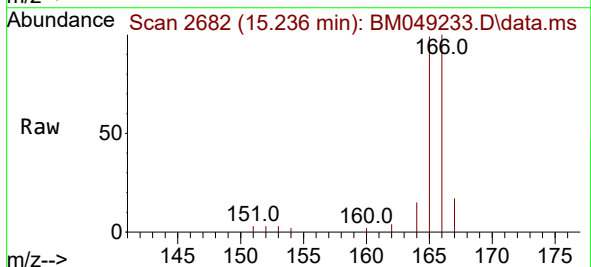
Tgt Ion:166 Resp: 5077

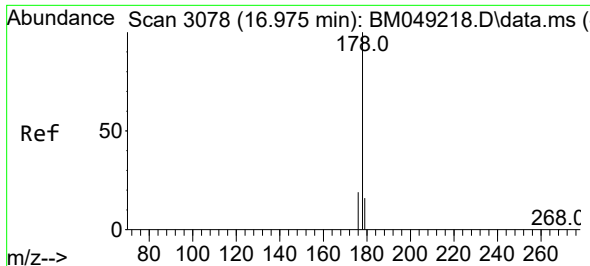
Ion Ratio Lower Upper

166 100

165 98.9 79.7 119.5

167 17.0 11.4 17.0

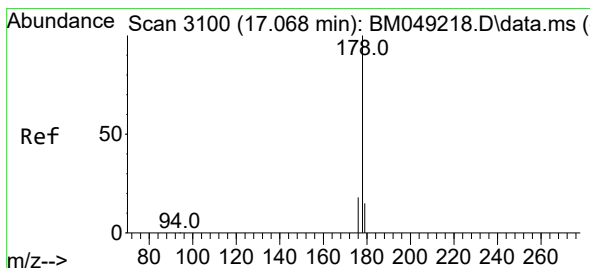
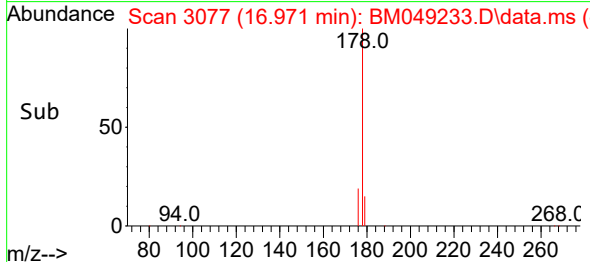
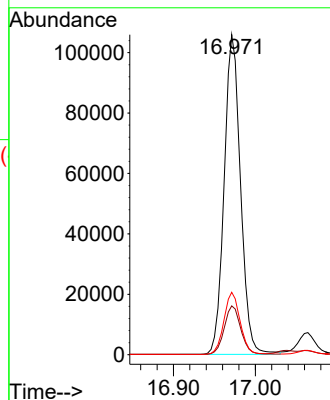
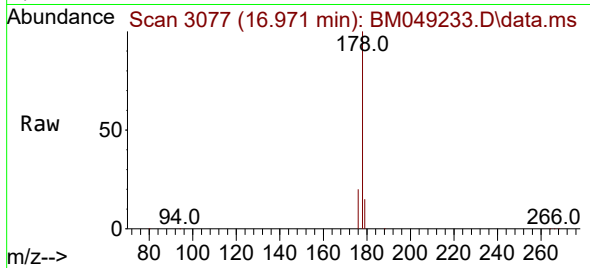




#15
Phenanthrene
Concen: 2.475 ng/ul
RT: 16.971 min Scan# 3077
Delta R.T. -0.004 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

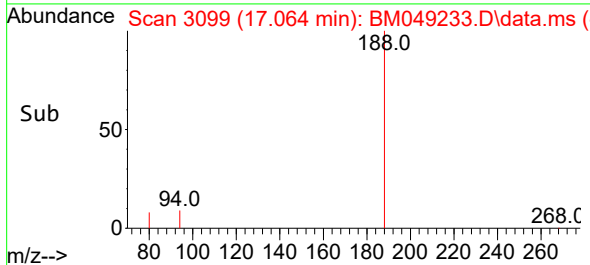
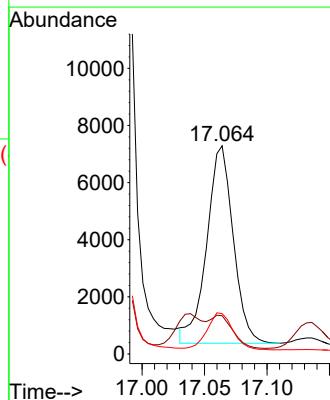
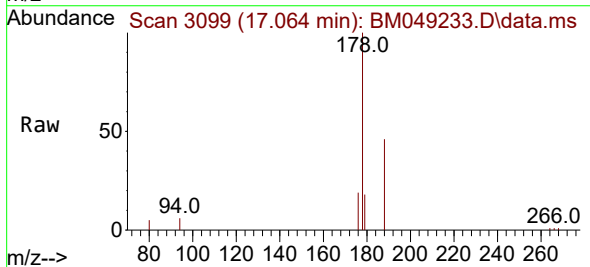
Instrument :
BNA_M
ClientSampleId :
E2907DL

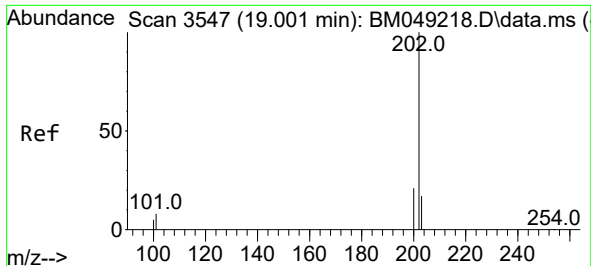
Tgt Ion:178 Resp: 147054
Ion Ratio Lower Upper
178 100
179 15.2 13.0 19.4
176 19.5 16.2 24.2



#16
Anthracene
Concen: 0.187 ng/ul
RT: 17.064 min Scan# 3099
Delta R.T. -0.004 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:178 Resp: 10185
Ion Ratio Lower Upper
178 100
179 18.4 12.9 19.3
176 19.3 15.3 22.9

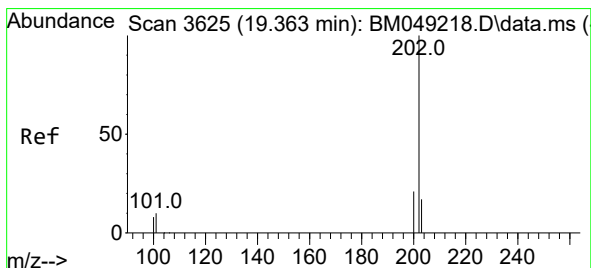
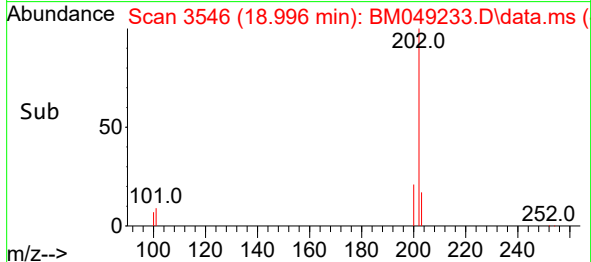
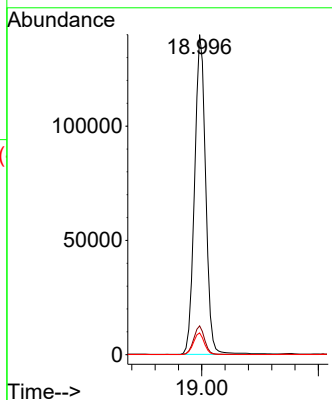
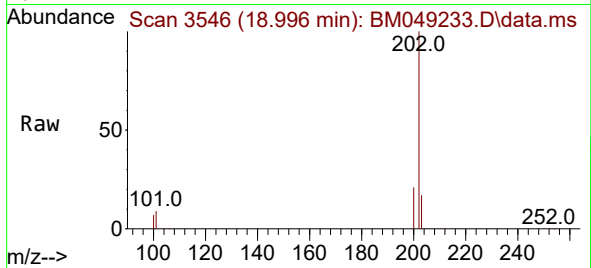




#19
Fluoranthene
Concen: 2.681 ng/ul
RT: 18.996 min Scan# 3546
Delta R.T. -0.004 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

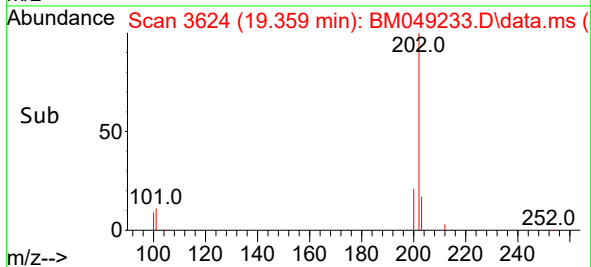
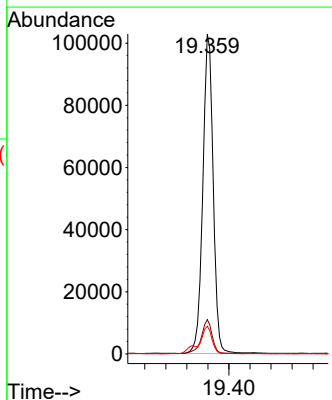
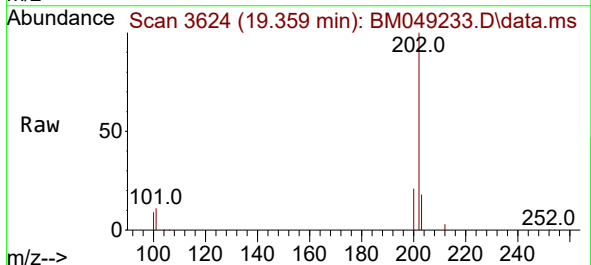
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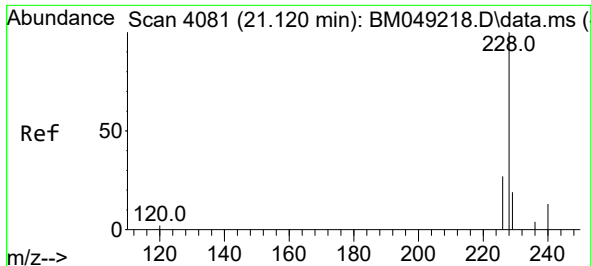
Tgt Ion:202 Resp: 184573
Ion Ratio Lower Upper
202 100
101 9.0 7.6 11.4
100 6.8 5.5 8.3



#20
Pyrene
Concen: 1.919 ng/ul
RT: 19.359 min Scan# 3624
Delta R.T. -0.004 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:202 Resp: 140945
Ion Ratio Lower Upper
202 100
101 10.7 8.9 13.3
100 8.6 6.9 10.3

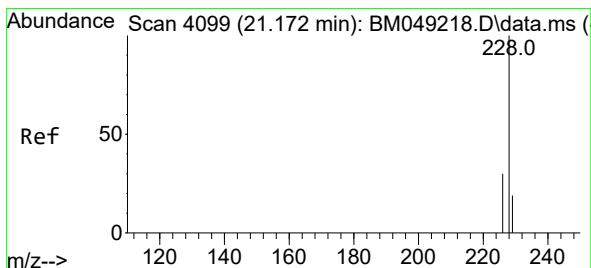
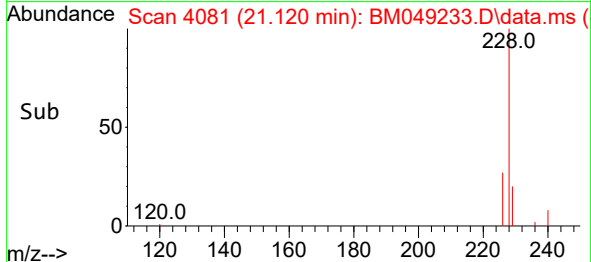
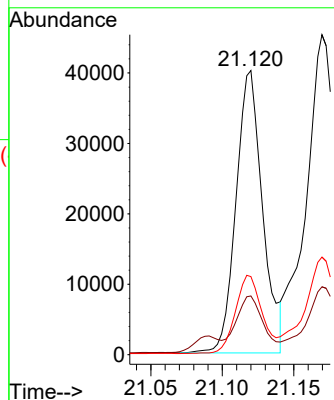
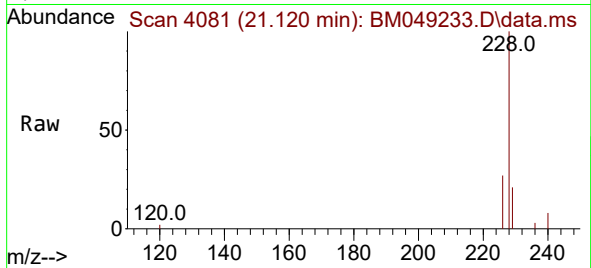




#21
Benzo(a)anthracene
Concen: 0.783 ng/ul
RT: 21.120 min Scan# 4081
Delta R.T. 0.000 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

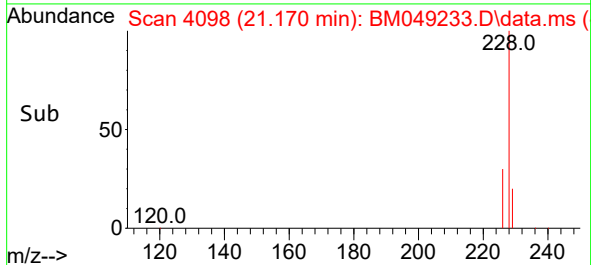
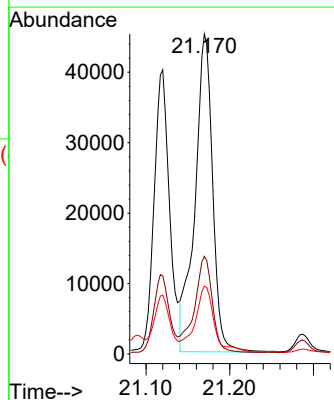
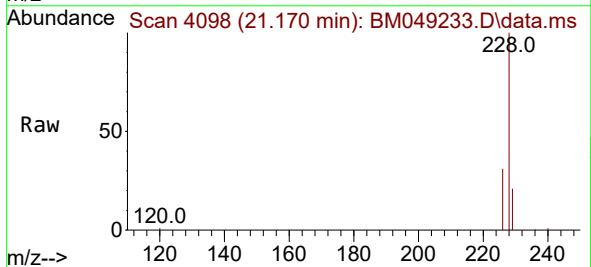
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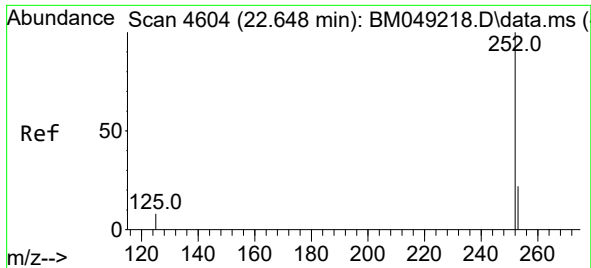
Tgt Ion:228 Resp: 51846
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 27.5 22.6 34.0



#22
Chrysene
Concen: 0.935 ng/ul
RT: 21.170 min Scan# 4098
Delta R.T. -0.003 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:228 Resp: 66446
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.2 15.8 23.8

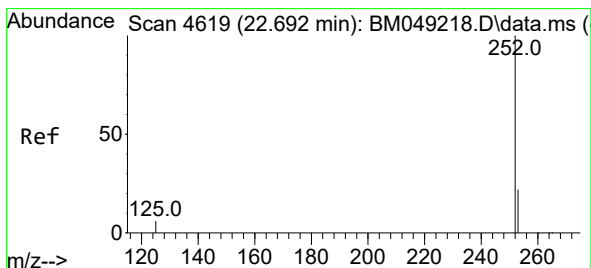
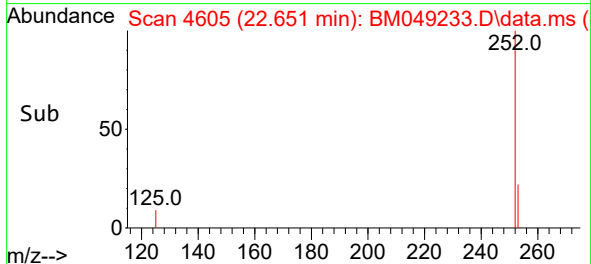
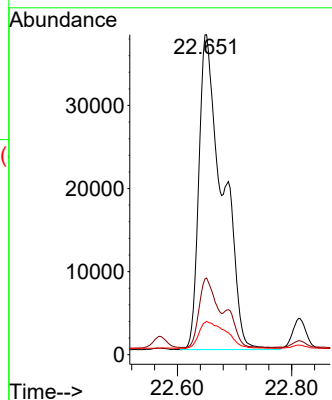
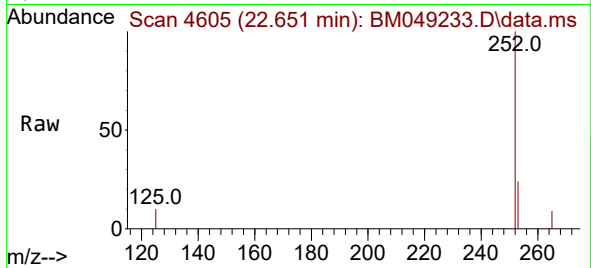




#24
Benzo(b)fluoranthene
Concen: 1.655 ng/ul
RT: 22.651 min Scan# 4605
Delta R.T. 0.003 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

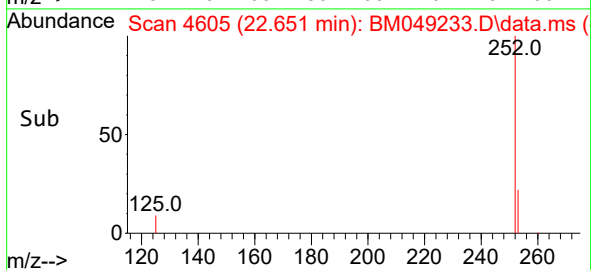
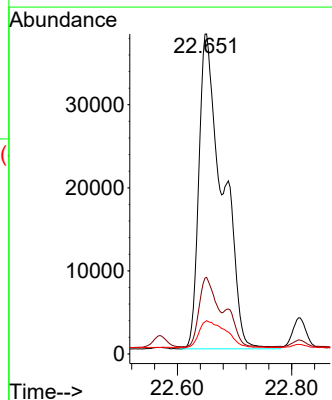
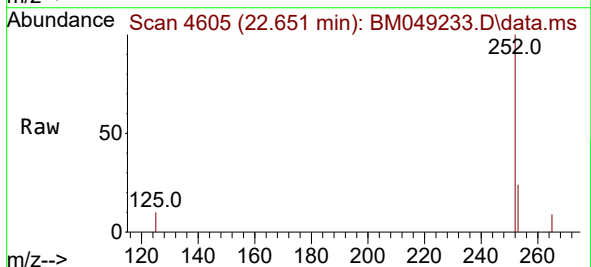
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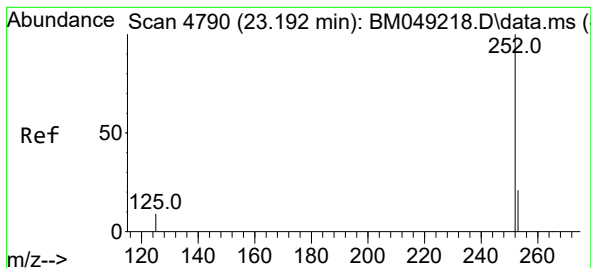
Tgt Ion:252 Resp: 109361
Ion Ratio Lower Upper
252 100
253 24.0 0.0 52.6
125 10.4 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 1.508 ng/ul
RT: 22.651 min Scan# 4605
Delta R.T. -0.041 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:252 Resp: 109361
Ion Ratio Lower Upper
252 100
253 24.0 21.3 31.9
125 10.4 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.599 ng/ul

RT: 23.104 min Scan# 41

Delta R.T. -0.088 min

Lab File: BM049233.D

Acq: 26 Dec 2024 19:21

Instrument :

BNA_M

ClientSampleId :

E2907DL

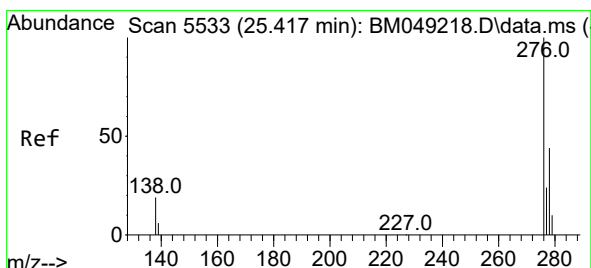
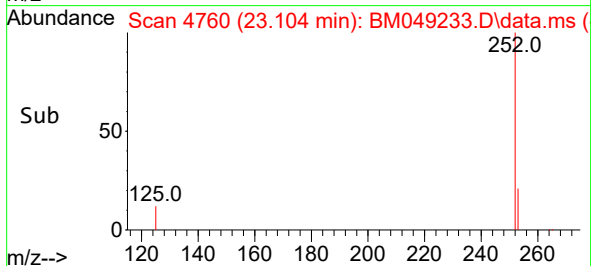
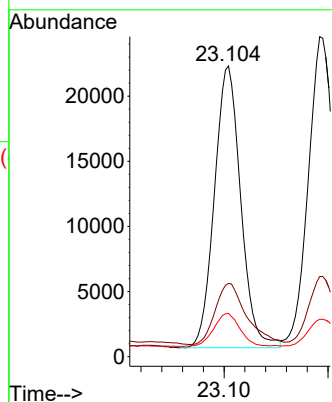
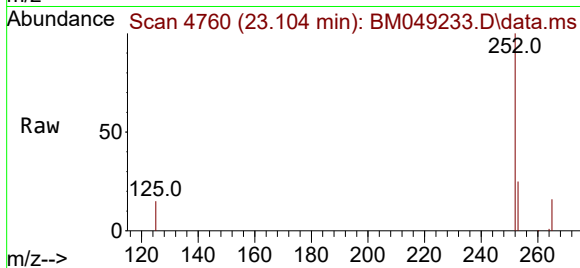
Tgt Ion:252 Resp: 37988

Ion Ratio Lower Upper

252 100

253 25.2 22.4 33.6

125 14.9 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.419 ng/ul

RT: 25.417 min Scan# 5533

Delta R.T. 0.000 min

Lab File: BM049233.D

Acq: 26 Dec 2024 19:21

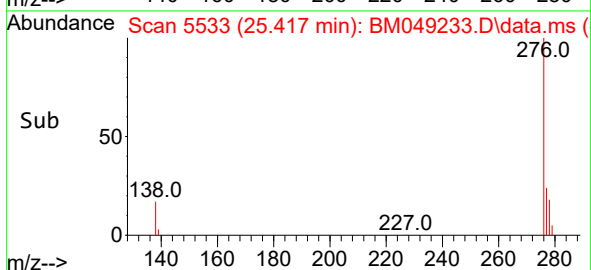
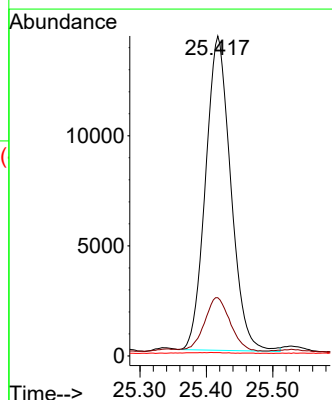
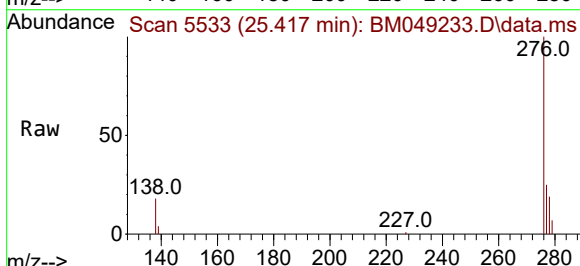
Tgt Ion:276 Resp: 37580

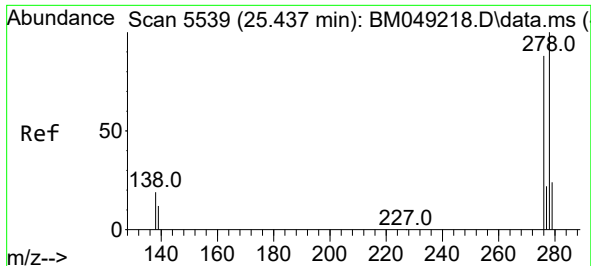
Ion Ratio Lower Upper

276 100

138 17.8 17.4 26.2

227 0.0 0.2 0.2#

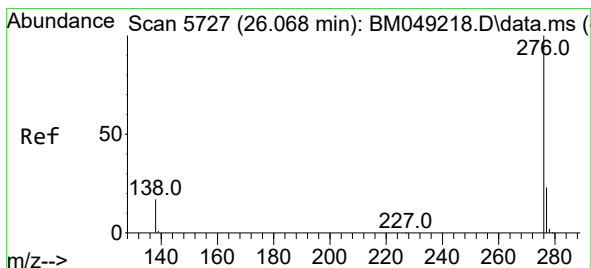
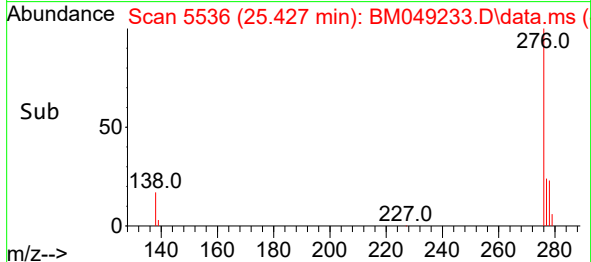
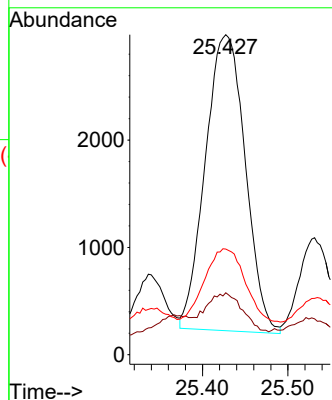
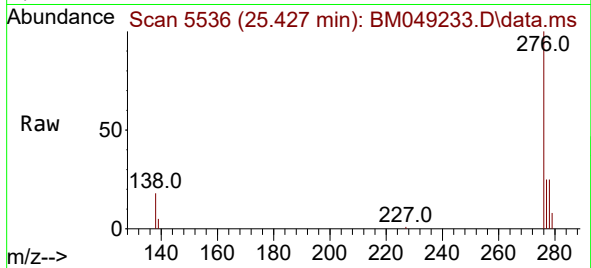




#28
Dibenzo(a,h)anthracene
Concen: 0.128 ng/ul
RT: 25.427 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Instrument :
BNA_M
ClientSampleId :
E2907DL

Tgt Ion:278 Resp: 8952
Ion Ratio Lower Upper
278 100
139 19.4 13.5 20.3
279 33.0 21.5 32.3#



#29
Benzo(g,h,i)perylene
Concen: 0.505 ng/ul
RT: 26.068 min Scan# 5727
Delta R.T. 0.000 min
Lab File: BM049233.D
Acq: 26 Dec 2024 19:21

Tgt Ion:276 Resp: 36408
Ion Ratio Lower Upper
276 100
138 18.8 16.7 25.1
277 24.4 19.9 29.9

