

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049179.D
 Acq On : 24 Dec 2024 11:45
 Operator : RC/JU
 Sample : P5333-04
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2907

Quant Time: Dec 24 21:39:53 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)

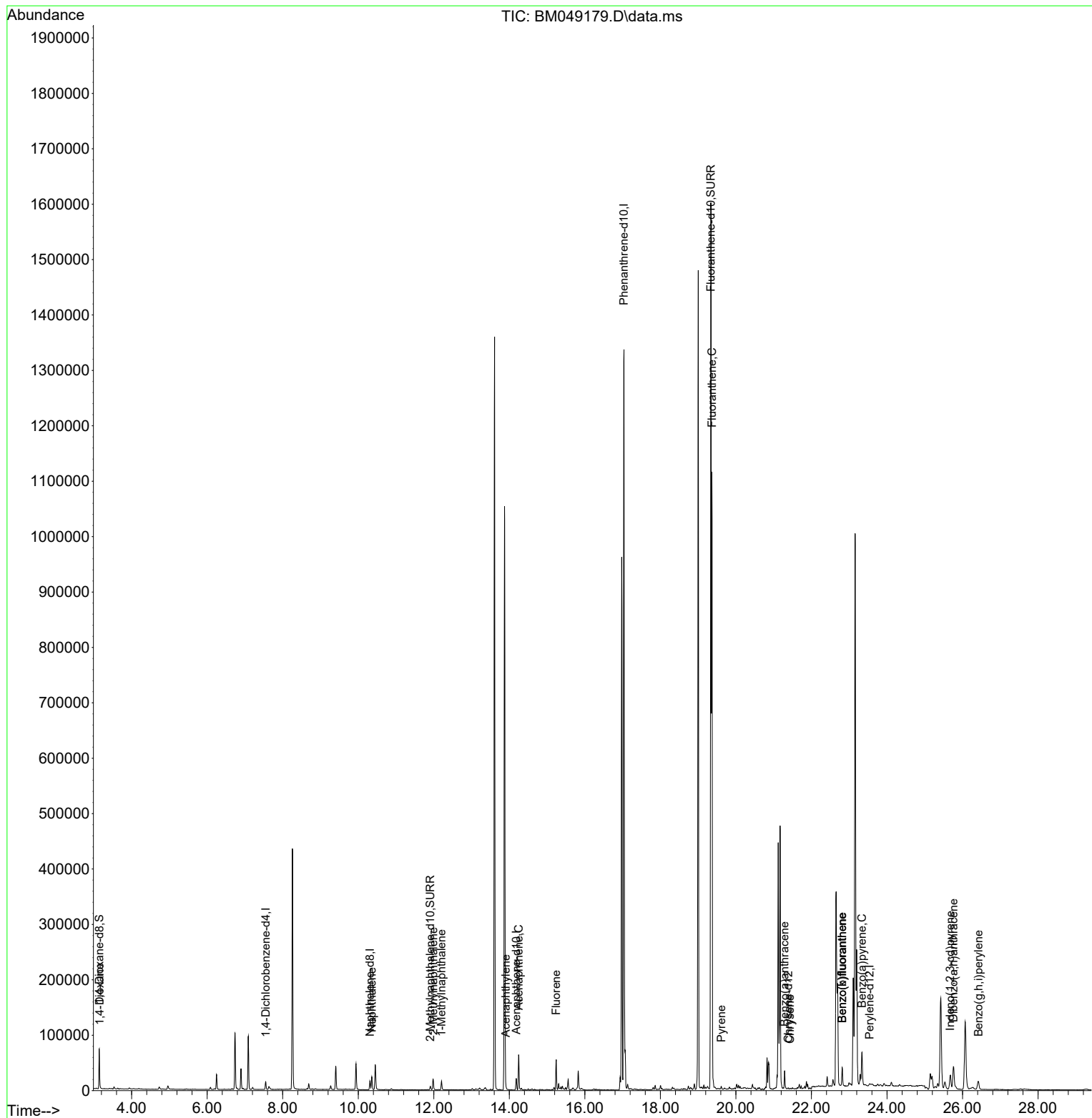
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	6770	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	20325	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	11356	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.034	188	1517913	0.400	ng/ul	0.08
17) Chrysene-d12	21.386	240	467	0.400	ng/ul	# 0.24
23) Perylene-d12	23.537	264	2594	0.400	ng/ul	# 0.23
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	41855	5.361	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.908	152	8869	0.325	ng/ul	-0.02
18) Fluoranthene-d10	19.335	212	1634827	1233.830	ng/ul	0.35
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.151	88	340	0.037	ng/ul#	30
5) Naphthalene	10.358	128	31031	0.610	ng/ul	99
7) 2-Methylnaphthalene	11.985	142	15418	0.478	ng/ul	98
8) 1-Methylnaphthalene	12.205	142	11318	0.343	ng/ul	99
10) Acenaphthylene	13.904	152	5864	0.125	ng/ul#	92
11) Acenaphthene	14.246	153	36072	1.050	ng/ul	99
12) Fluorene	15.241	166	32716	0.844	ng/ul	99
19) Fluoranthene	19.363	202	896712	531.071	ng/ul#	96
20) Pyrene	19.610	202	1570	0.872	ng/ul#	63
21) Benzo(a)anthracene	21.289	228	23671	14.572	ng/ul#	54
22) Chrysene	21.432	228	45	0.026	ng/ul#	1
24) Benzo(b)fluoranthene	22.815	252	44551	5.376	ng/ul	98
25) Benzo(k)fluoranthene	22.815	252	44009	4.840	ng/ul	98
26) Benzo(a)pyrene	23.338	252	75927	9.554	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.675	276	9440	0.839	ng/ul#	56
28) Dibenzo(a,h)anthracene	25.759	278	64503	7.381	ng/ul	97
29) Benzo(g,h,i)perylene	26.420	276	31715	3.506	ng/ul	98

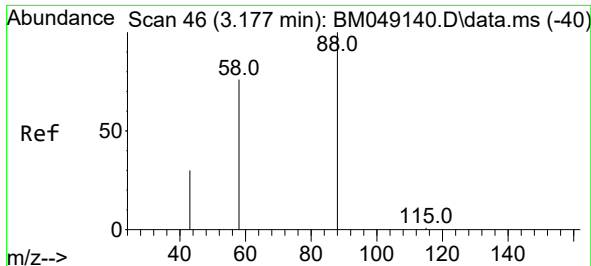
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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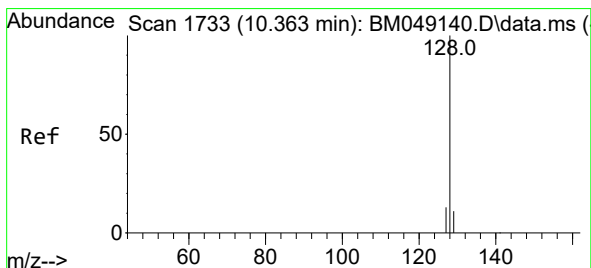
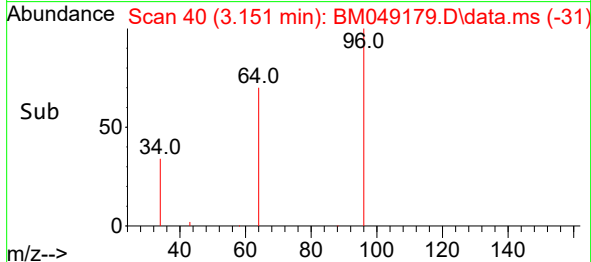
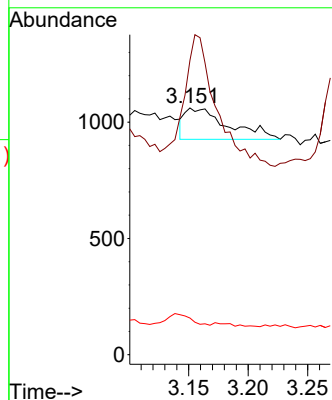
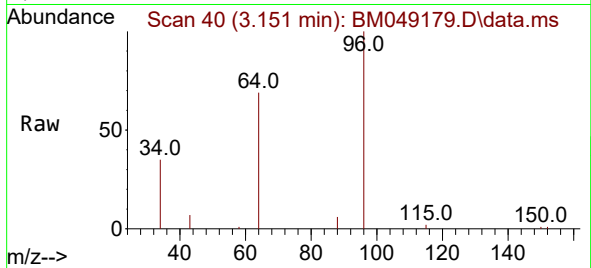




#2
1,4-Dioxane
Concen: 0.037 ng/ul
RT: 3.151 min Scan# 40
Delta R.T. -0.034 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

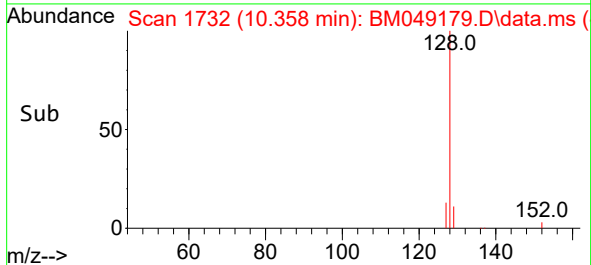
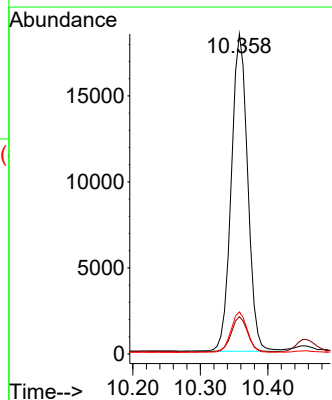
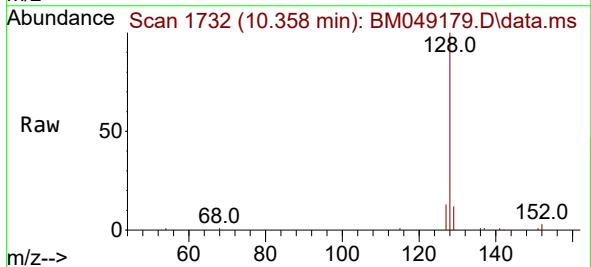
Instrument :
BNA_M
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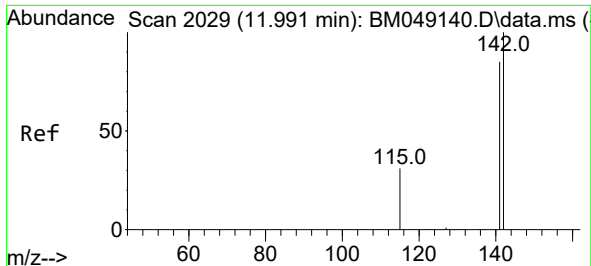
Tgt Ion: 88 Resp: 340
Ion Ratio Lower Upper
88 100
43 119.3 45.4 68.2#
58 14.9 43.6 65.4#



#5
Naphthalene
Concen: 0.610 ng/ul
RT: 10.358 min Scan# 1732
Delta R.T. -0.022 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

Tgt Ion: 128 Resp: 31031
Ion Ratio Lower Upper
128 100
129 11.7 9.7 14.5
127 13.2 10.6 16.0

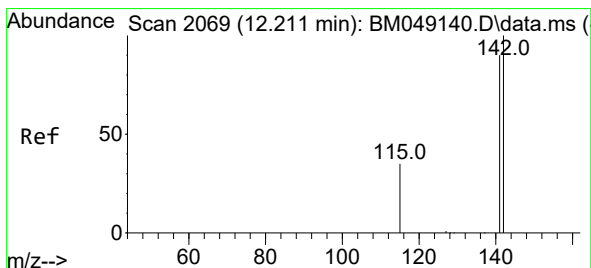
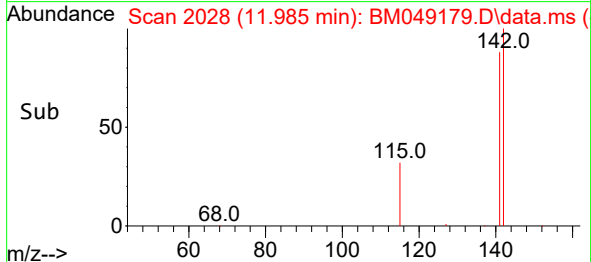
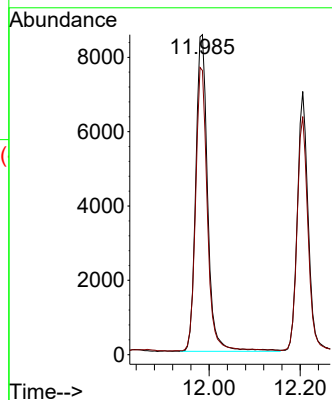
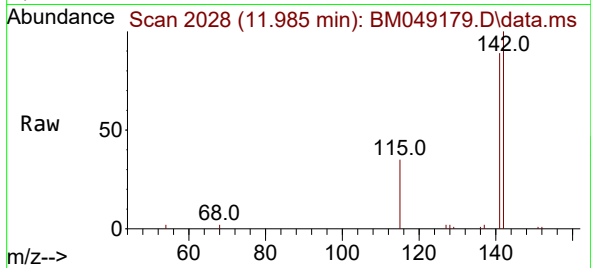




#7
2-Methylnaphthalene
Concen: 0.478 ng/ul
RT: 11.985 min Scan# 2029
Delta R.T. -0.017 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

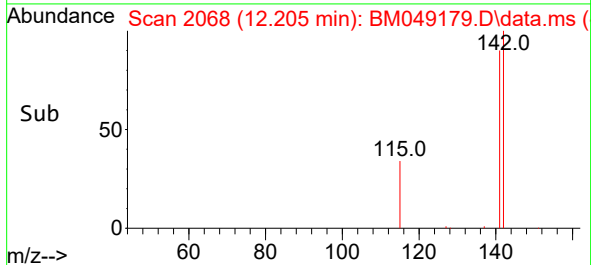
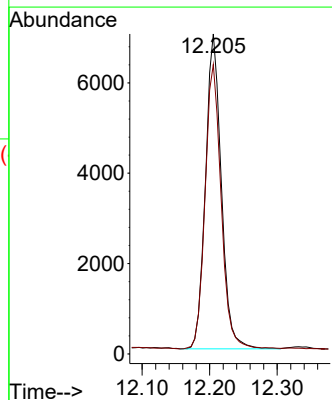
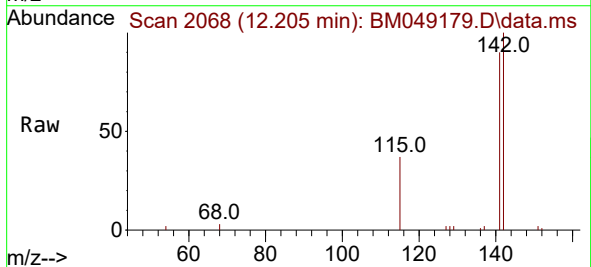
Instrument :
BNA_M
ClientSampleId :
E2907

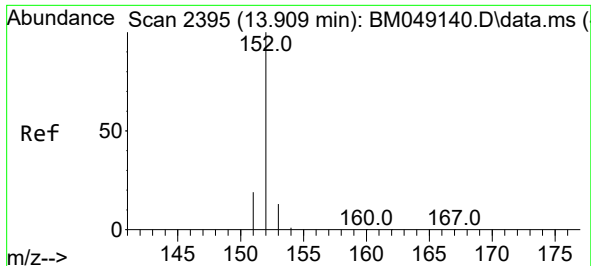
Tgt Ion:142 Resp: 15418
Ion Ratio Lower Upper
142 100
141 88.0 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.343 ng/ul
RT: 12.205 min Scan# 2068
Delta R.T. -0.017 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

Tgt Ion:142 Resp: 11318
Ion Ratio Lower Upper
142 100
141 91.8 72.7 109.1

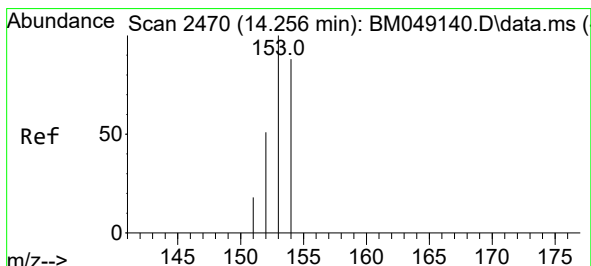
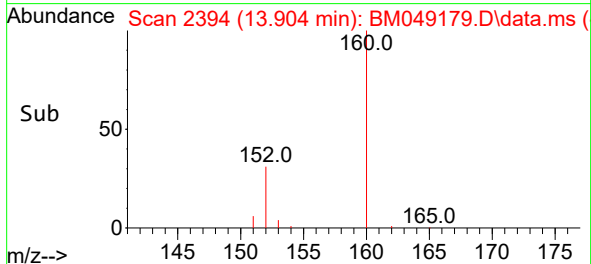
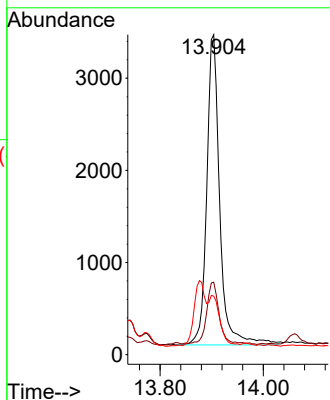
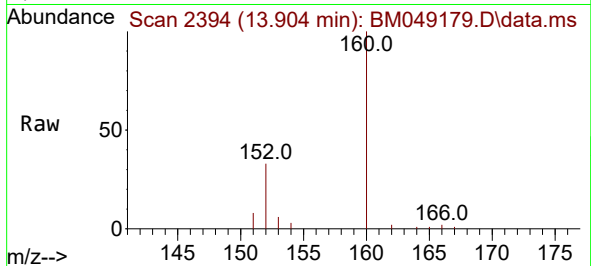




#10
Acenaphthylene
Concen: 0.125 ng/ul
RT: 13.904 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

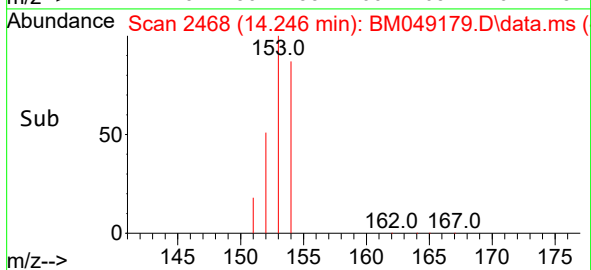
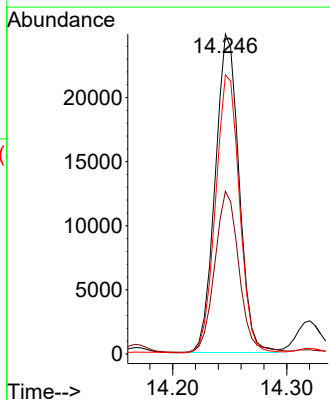
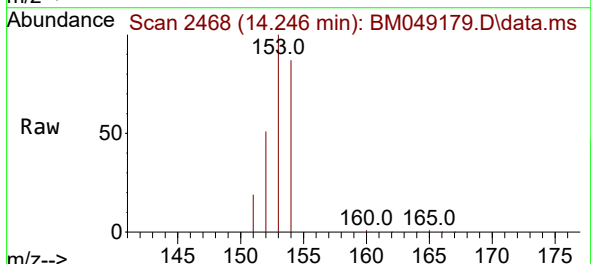
Instrument :
BNA_M
ClientSampleId :
E2907

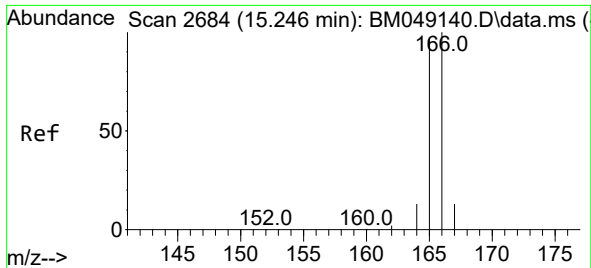
Tgt Ion:152 Resp: 5864
Ion Ratio Lower Upper
152 100
151 22.7 16.0 24.0
153 18.3 11.0 16.6#



#11
Acenaphthene
Concen: 1.050 ng/ul
RT: 14.246 min Scan# 2468
Delta R.T. -0.019 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

Tgt Ion:153 Resp: 36072
Ion Ratio Lower Upper
153 100
152 50.8 40.7 61.1
154 87.3 70.8 106.2

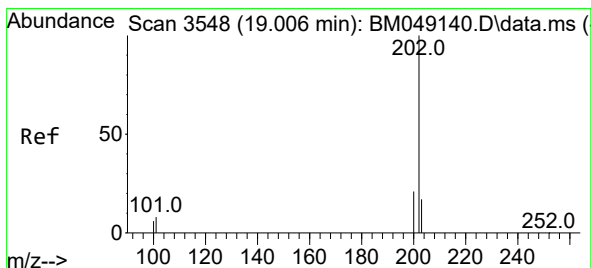
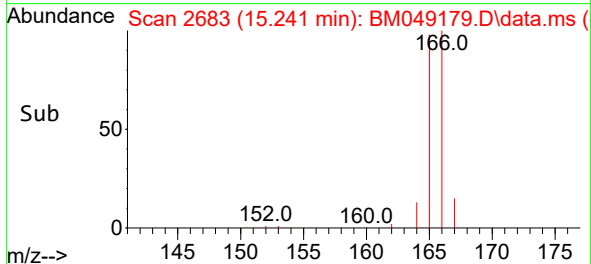
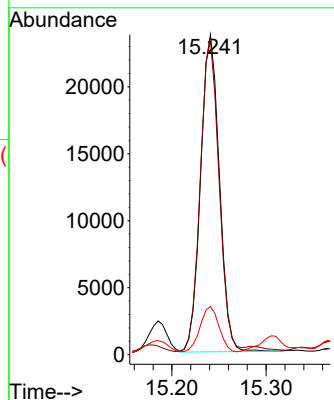
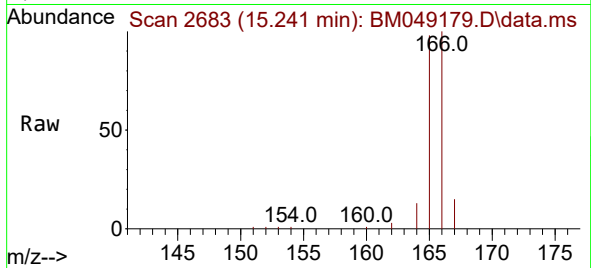




#12
Fluorene
Concen: 0.844 ng/ul
RT: 15.241 min Scan# 20
Delta R.T. -0.014 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

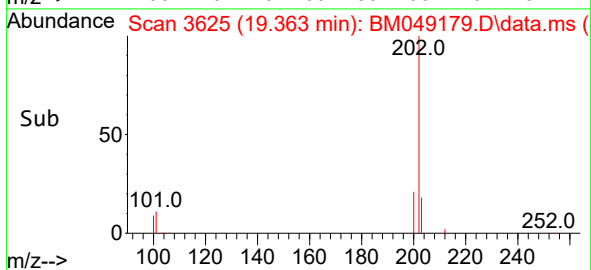
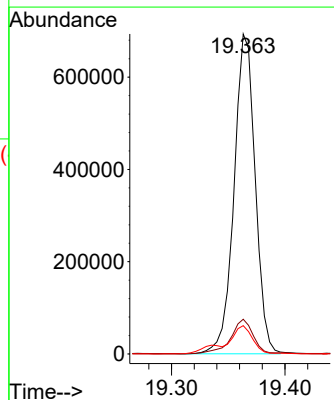
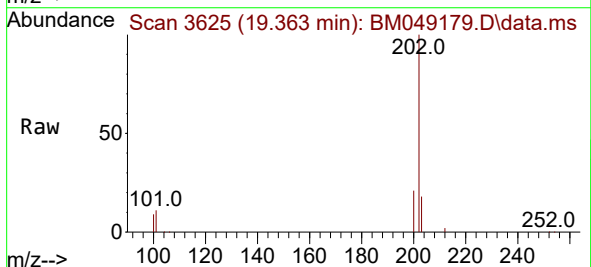
Instrument :
BNA_M
ClientSampleId :
E2907

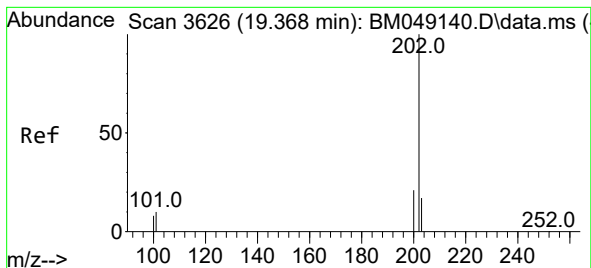
Tgt Ion:166 Resp: 32716
Ion Ratio Lower Upper
166 100
165 98.2 79.7 119.5
167 15.1 11.4 17.0



#19
Fluoranthene
Concen: 531.071 ng/ul
RT: 19.363 min Scan# 3625
Delta R.T. 0.348 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

Tgt Ion:202 Resp: 896712
Ion Ratio Lower Upper
202 100
101 10.8 7.6 11.4
100 8.8 5.5 8.3#





#20

Pyrene

Concen: 0.872 ng/ul

RT: 19.610 min Scan# 3

Delta R.T. 0.232 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

Instrument :

BNA_M

ClientSampleId :

E2907

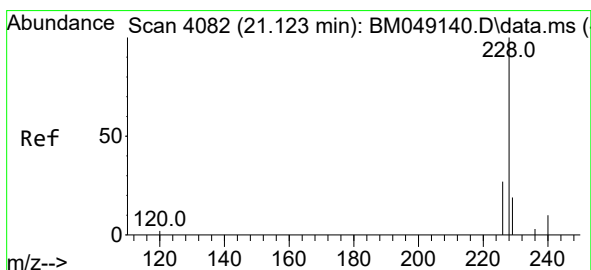
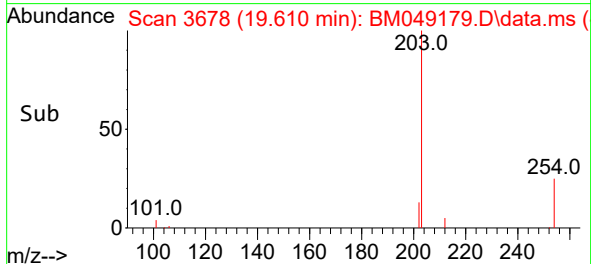
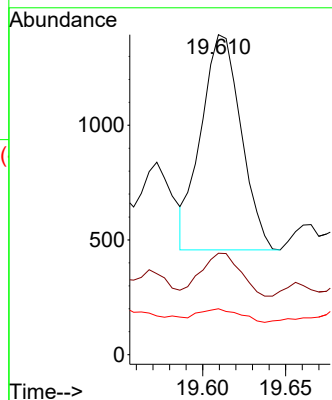
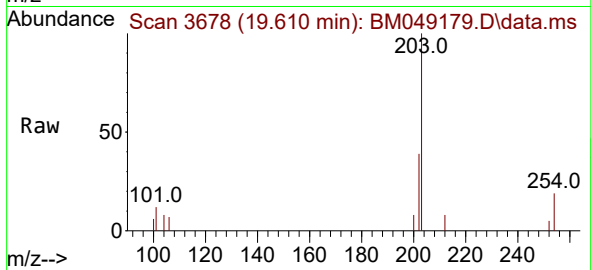
Tgt Ion:202 Resp: 1570

Ion Ratio Lower Upper

202 100

101 31.7 8.9 13.3#

100 14.3 6.9 10.3#



#21

Benzo(a)anthracene

Concen: 14.572 ng/ul

RT: 21.289 min Scan# 4139

Delta R.T. 0.158 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

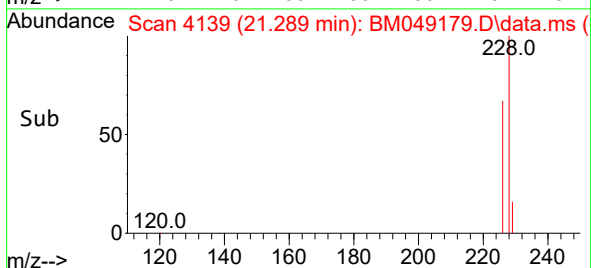
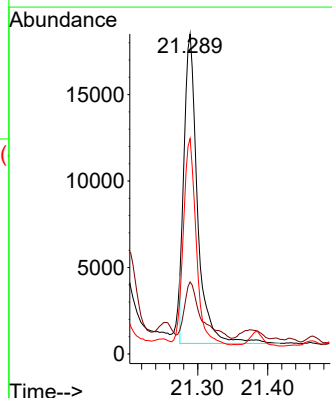
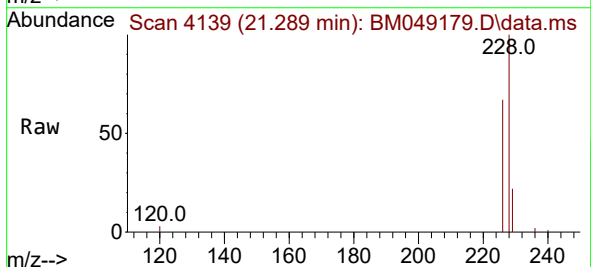
Tgt Ion:228 Resp: 23671

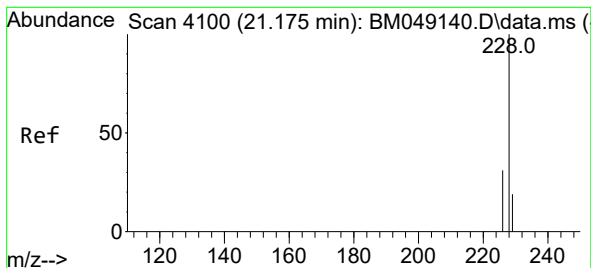
Ion Ratio Lower Upper

228 100

229 22.5 15.9 23.9

226 67.3 22.6 34.0#





#22

Chrysene

Concen: 0.026 ng/ul

RT: 21.432 min Scan# 41

Delta R.T. 0.248 min

Lab File: BM049179.D

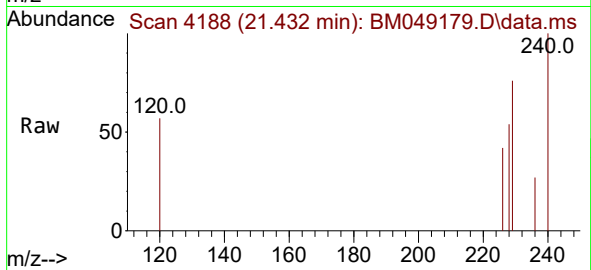
Acq: 24 Dec 2024 11:45

Instrument :

BNA_M

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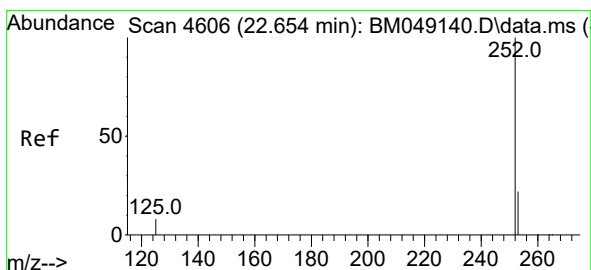
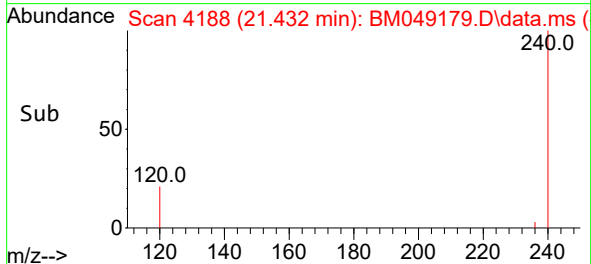
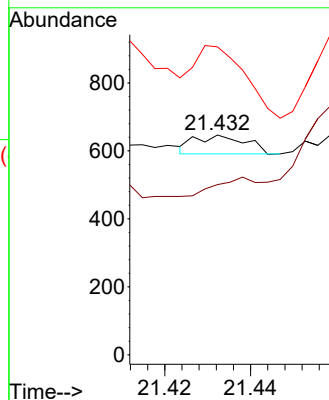
Tgt Ion:228 Resp: 45

Ion Ratio Lower Upper

228 100

226 77.4 24.1 36.1#

229 140.0 15.8 23.8#



#24

Benzo(b)fluoranthene

Concen: 5.376 ng/ul

RT: 22.815 min Scan# 4661

Delta R.T. 0.152 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

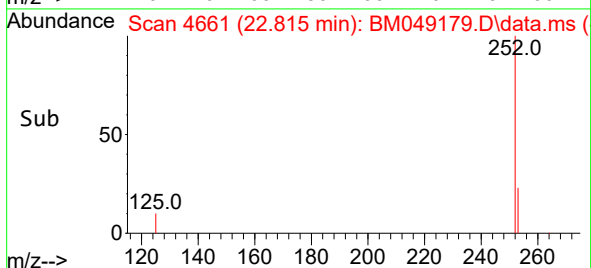
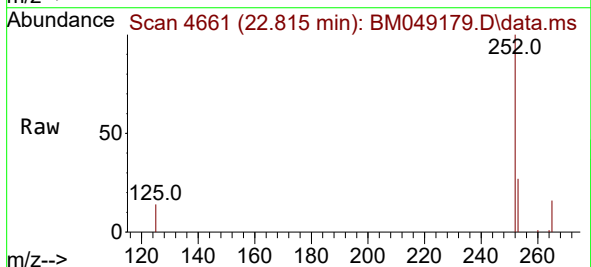
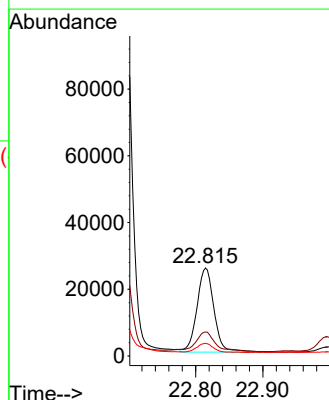
Tgt Ion:252 Resp: 44551

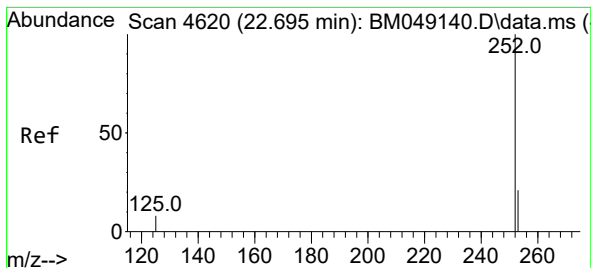
Ion Ratio Lower Upper

252 100

253 27.2 0.0 52.6

125 14.4 0.0 30.8





#25

Benzo(k)fluoranthene

Concen: 4.840 ng/ul

RT: 22.815 min Scan# 4

Delta R.T. 0.108 min

Lab File: BM049179.D

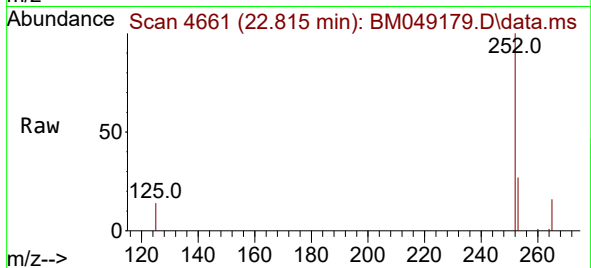
Acq: 24 Dec 2024 11:45

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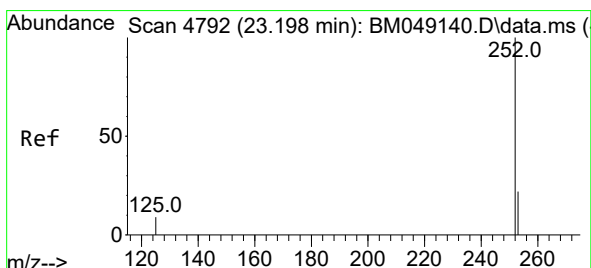
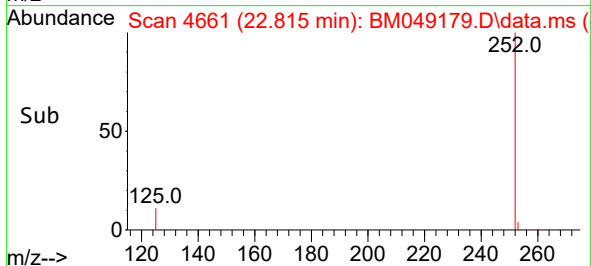
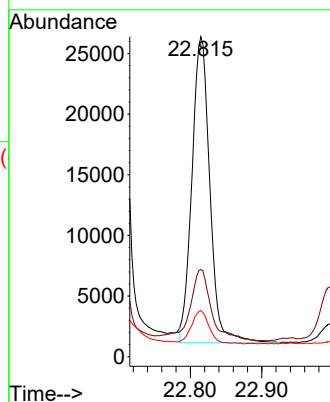
Tgt Ion:252 Resp: 44009

Ion Ratio Lower Upper

252 100

253 27.2 21.3 31.9

125 14.4 12.6 18.8



#26

Benzo(a)pyrene

Concen: 9.554 ng/ul

RT: 23.338 min Scan# 4840

Delta R.T. 0.129 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

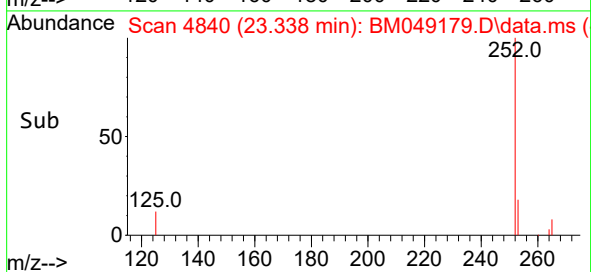
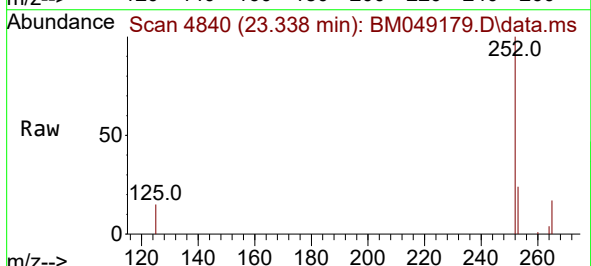
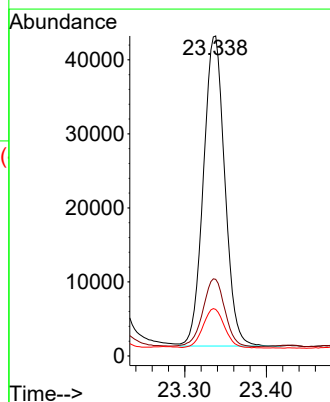
Tgt Ion:252 Resp: 75927

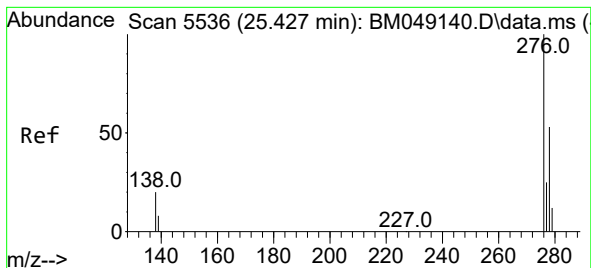
Ion Ratio Lower Upper

252 100

253 24.0 22.4 33.6

125 14.5 14.8 22.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.839 ng/ul

RT: 25.675 min Scan# 5

Delta R.T. 0.228 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

Instrument :

BNA_M

ClientSampleId :

E2907

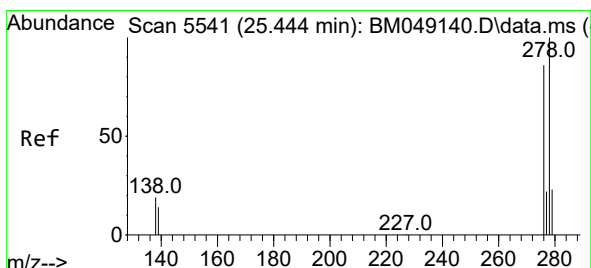
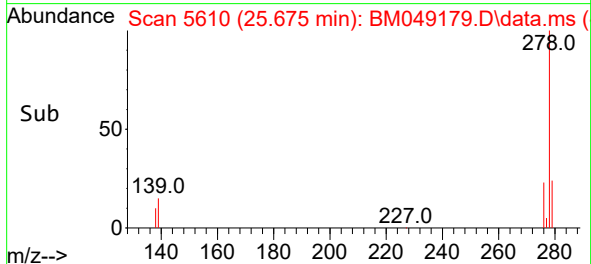
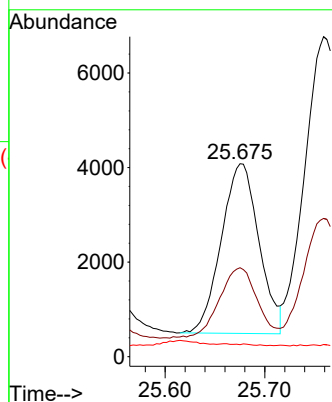
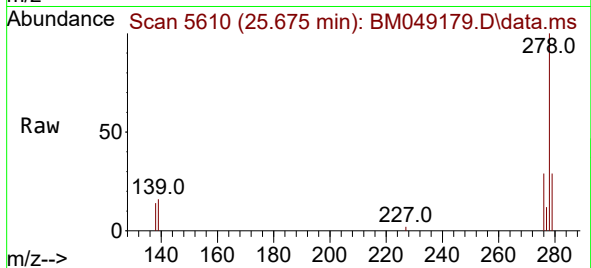
Tgt Ion:276 Resp: 9440

Ion Ratio Lower Upper

276 100

138 42.8 17.4 26.2#

227 0.0 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 7.381 ng/ul

RT: 25.759 min Scan# 5635

Delta R.T. 0.292 min

Lab File: BM049179.D

Acq: 24 Dec 2024 11:45

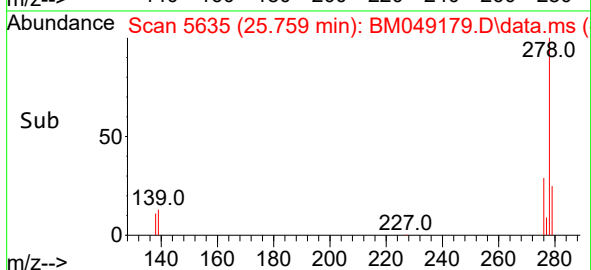
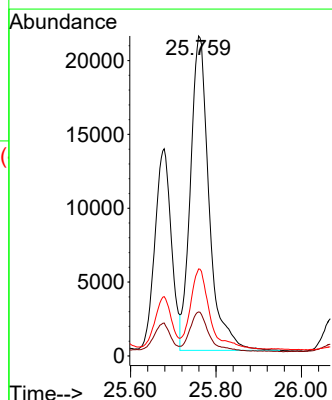
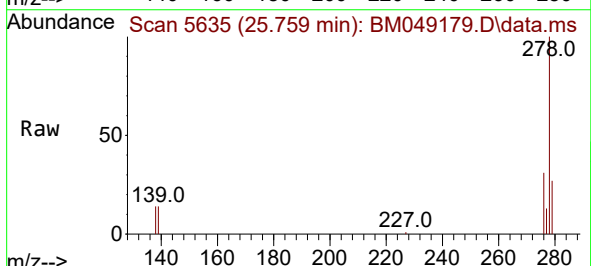
Tgt Ion:278 Resp: 64503

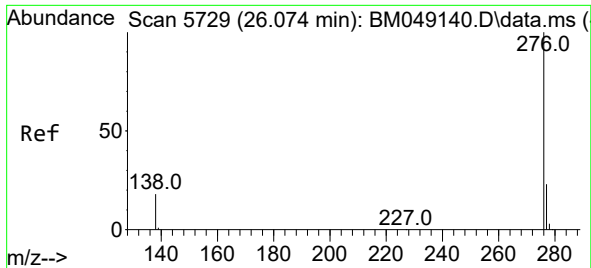
Ion Ratio Lower Upper

278 100

139 13.8 13.5 20.3

279 27.2 21.5 32.3





#29
Benzo(g,h,i)perylene
Concen: 3.506 ng/ul
RT: 26.420 min Scan# 51
Delta R.T. 0.325 min
Lab File: BM049179.D
Acq: 24 Dec 2024 11:45

Instrument :
BNA_M
ClientSampleId :
E2907

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.7	25.1
277	26.4	19.9	29.9

