

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046140.D
 Acq On : 21 Jun 2024 02:05
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4136

Quant Time: Jun 21 02:50:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

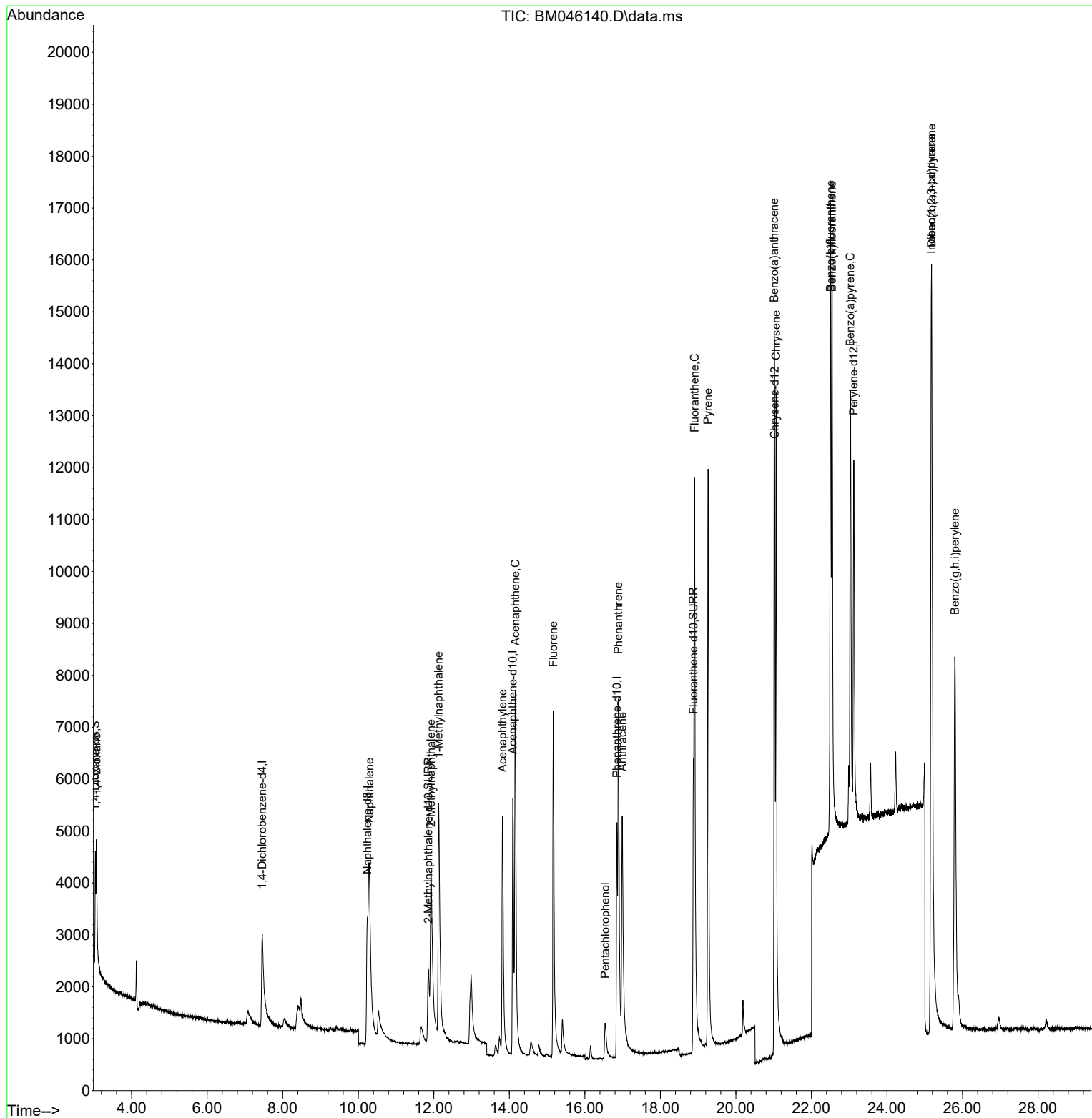
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	2720	0.400	ng/ul	0.00
4) Naphthalene-d8	10.242	136	8397	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.094	164	4768	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.849	188	9308	0.400	ng/ul	-0.01
17) Chrysene-d12	21.029	240	7508	0.400	ng/ul	-0.01
23) Perylene-d12	23.119	264	10340	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.042	96	1529	0.410	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.854	152	4679	0.415	ng/ul	-0.01
18) Fluoranthene-d10	18.875	212	9363	0.416	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.067	88	1637	0.391	ng/ul	95
5) Naphthalene	10.292	128	9644	0.412	ng/ul	99
7) 2-Methylnaphthalene	11.925	142	5499	0.417	ng/ul	99
8) 1-Methylnaphthalene	12.129	142	6158	0.426	ng/ul	100
10) Acenaphthylene	13.821	152	9580	0.424	ng/ul	99
11) Acenaphthene	14.159	153	6894	0.422	ng/ul	99
12) Fluorene	15.167	166	7368	0.421	ng/ul	98
14) Pentachlorophenol	16.536	266	1150	0.412	ng/ul	95
15) Phenanthrene	16.887	178	10821	0.414	ng/ul	99
16) Anthracene	16.992	178	8378	0.430	ng/ul	98
19) Fluoranthene	18.903	202	14123	0.434	ng/ul	100
20) Pyrene	19.261	202	15036	0.428	ng/ul	100
21) Benzo(a)anthracene	21.015	228	12110	0.418	ng/ul	99
22) Chrysene	21.067	228	14916	0.403	ng/ul	98
24) Benzo(b)fluoranthene	22.502	252	15626	0.419	ng/ul	94
25) Benzo(k)fluoranthene	22.543	252	17153	0.387	ng/ul	92
26) Benzo(a)pyrene	23.031	252	14561	0.422	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.172	276	21088	0.373	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.182	278	16223	0.386	ng/ul	93
29) Benzo(g,h,i)perylene	25.799	276	17944	0.370	ng/ul	97

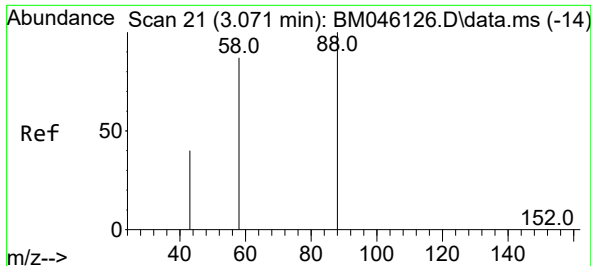
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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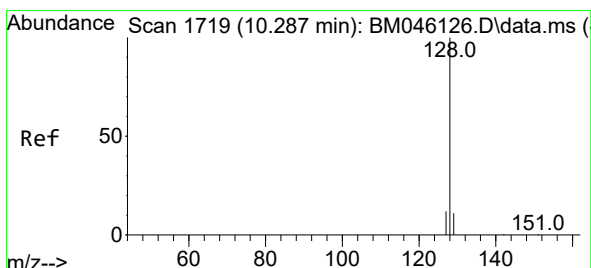
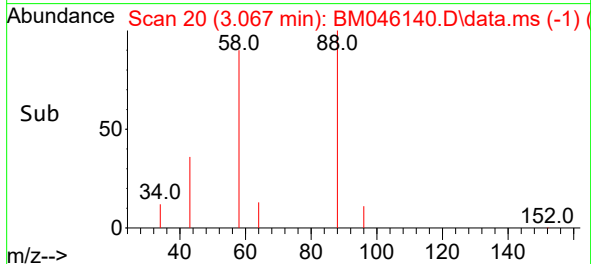
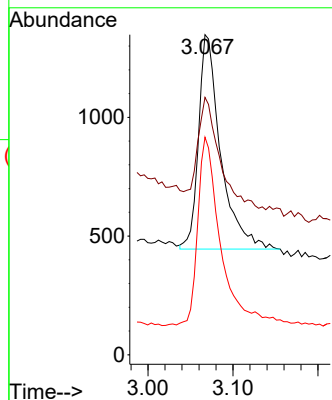
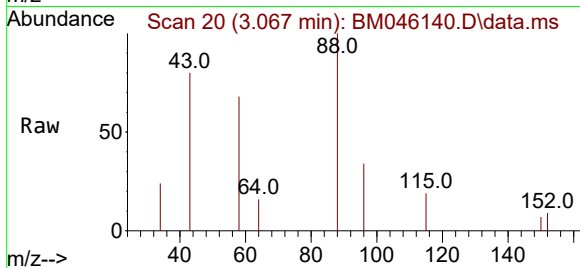




#2
1,4-Dioxane
Concen: 0.391 ng/ul
RT: 3.067 min Scan# 20
Delta R.T. -0.008 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

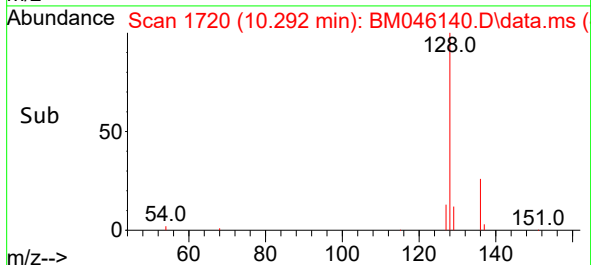
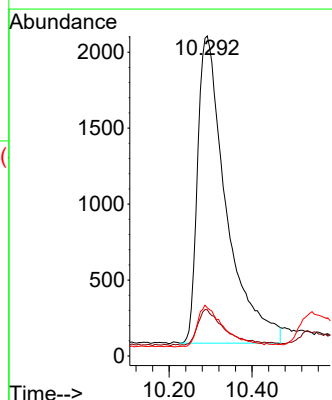
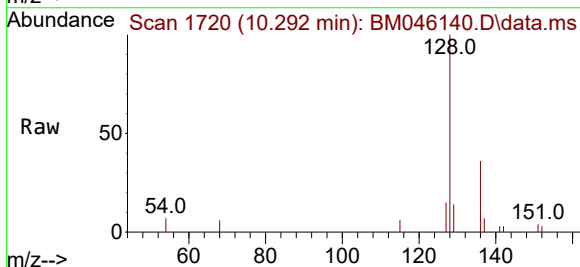
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

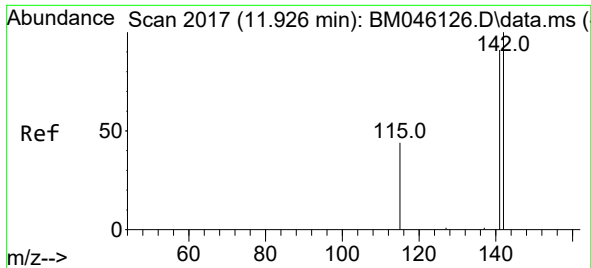
Tgt Ion: 88 Resp: 1637
Ion Ratio Lower Upper
88 100
43 80.4 69.8 104.8
58 68.0 53.2 79.8



#5
Naphthalene
Concen: 0.412 ng/ul
RT: 10.292 min Scan# 1720
Delta R.T. -0.011 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion: 128 Resp: 9644
Ion Ratio Lower Upper
128 100
129 14.5 11.8 17.6
127 15.0 12.8 19.2

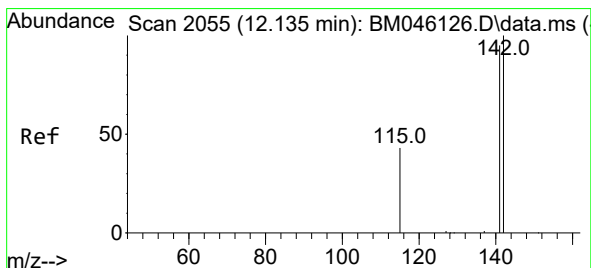
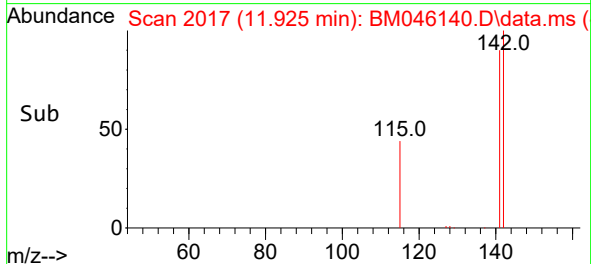
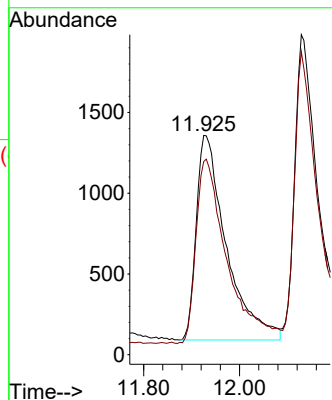
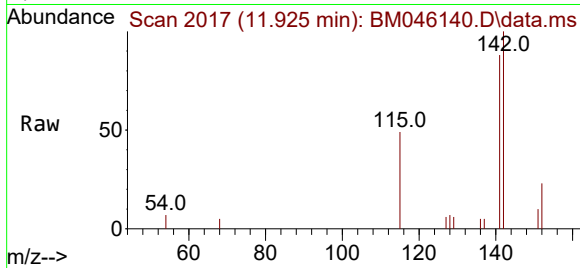




#7
2-Methylnaphthalene
Concen: 0.417 ng/ul
RT: 11.925 min Scan# 2017
Delta R.T. -0.022 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

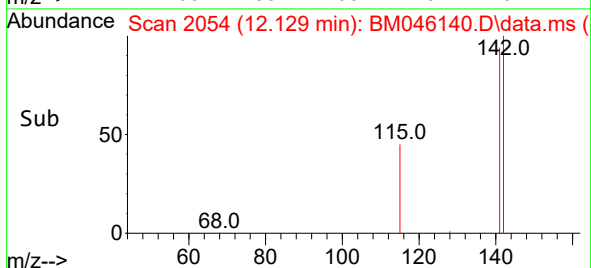
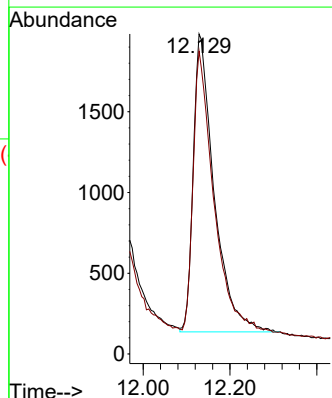
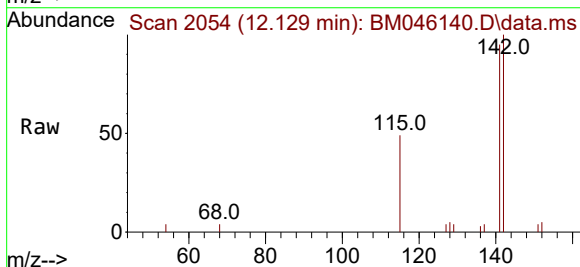
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

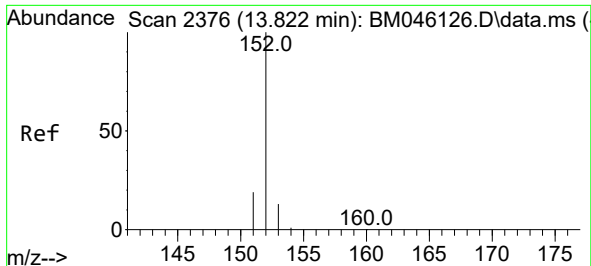
Tgt Ion:142 Resp: 5499
Ion Ratio Lower Upper
142 100
141 94.3 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.426 ng/ul
RT: 12.129 min Scan# 2054
Delta R.T. -0.022 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:142 Resp: 6158
Ion Ratio Lower Upper
142 100
141 93.8 75.2 112.8

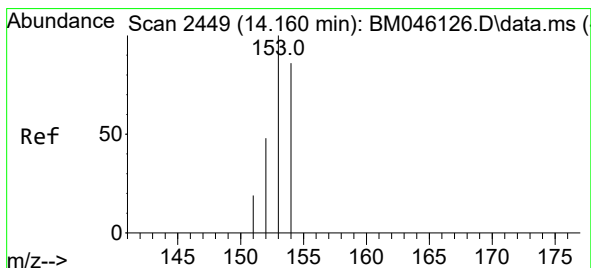
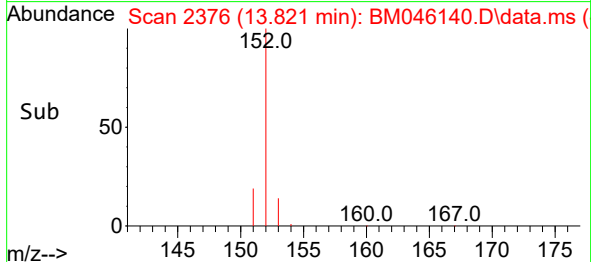
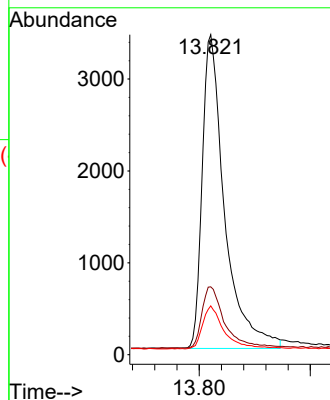
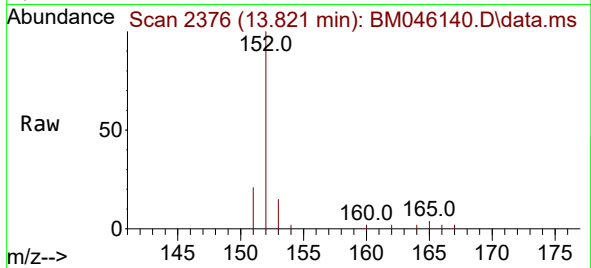




#10
Acenaphthylene
Concen: 0.424 ng/ul
RT: 13.821 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

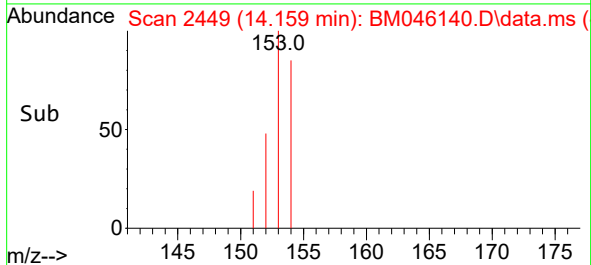
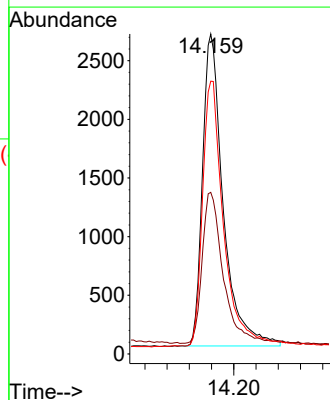
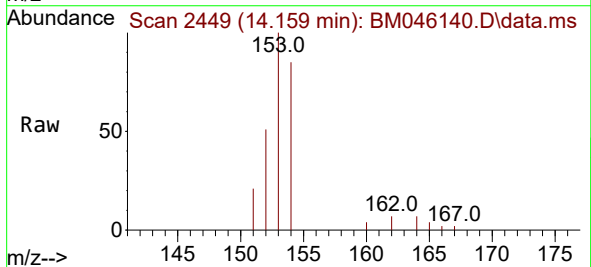
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

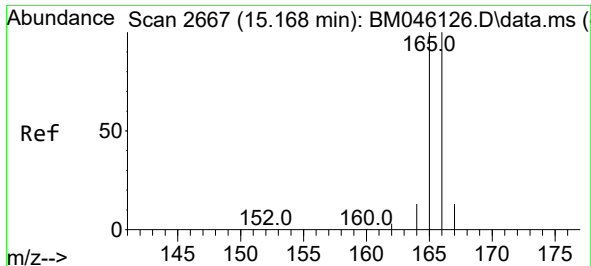
Tgt Ion:152	Resp:	9580
Ion Ratio	Lower	Upper
152	100	
151	21.2	17.4 26.2
153	15.3	11.8 17.8



#11
Acenaphthene
Concen: 0.422 ng/ul
RT: 14.159 min Scan# 2449
Delta R.T. -0.014 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:153	Resp:	6894
Ion Ratio	Lower	Upper
153	100	
152	50.5	41.3 61.9
154	85.2	68.2 102.4

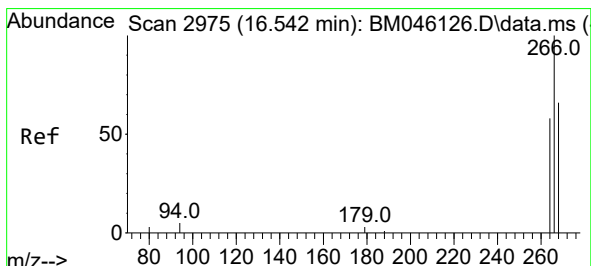
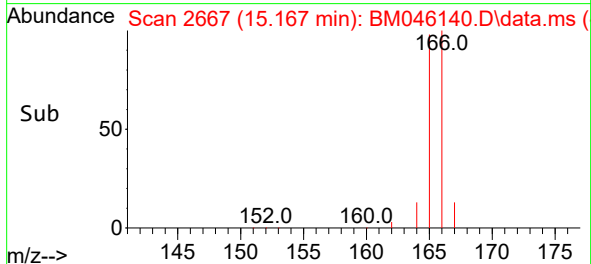
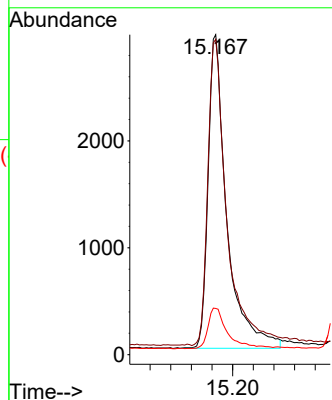
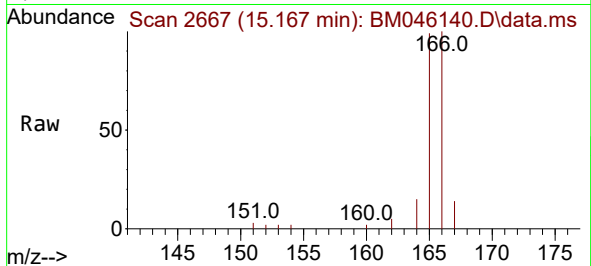




#12
Fluorene
Concen: 0.421 ng/ul
RT: 15.167 min Scan# 2
Delta R.T. -0.014 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

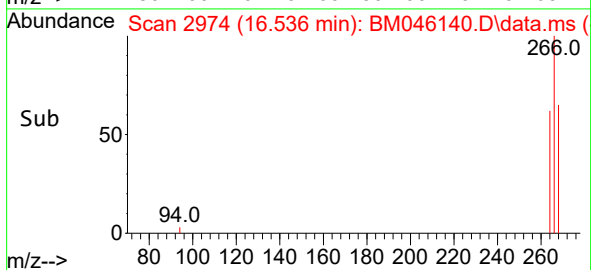
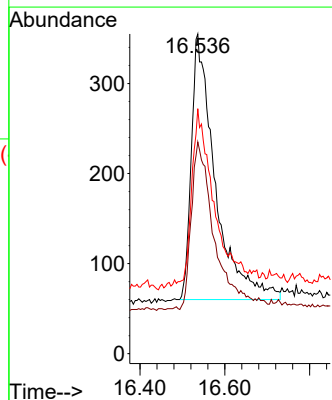
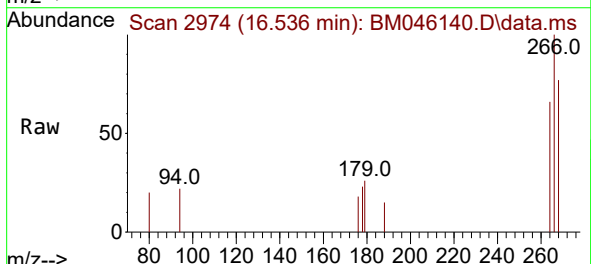
Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

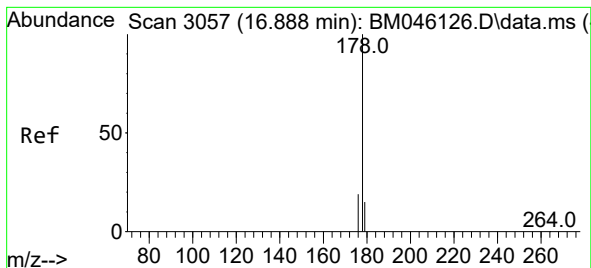
Tgt Ion:166 Resp: 7368
Ion Ratio Lower Upper
166 100
165 98.5 80.4 120.6
167 14.5 12.4 18.6



#14
Pentachlorophenol
Concen: 0.412 ng/ul
RT: 16.536 min Scan# 2974
Delta R.T. -0.029 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:266 Resp: 1150
Ion Ratio Lower Upper
266 100
264 61.9 50.9 76.3
268 59.0 52.3 78.5

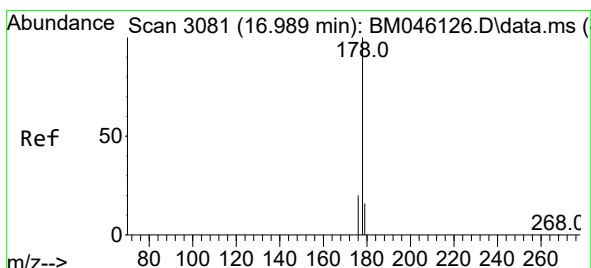
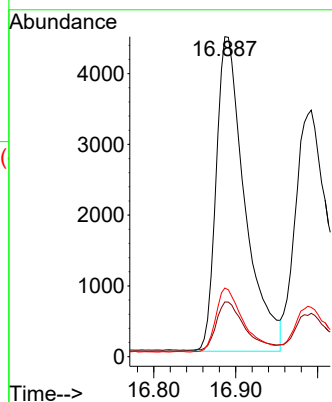
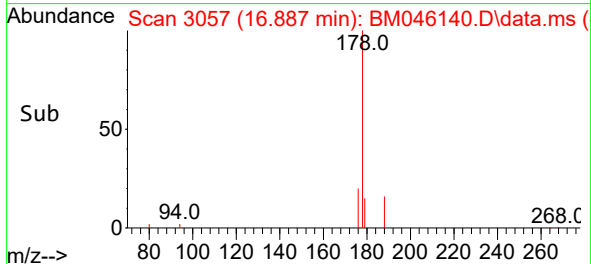
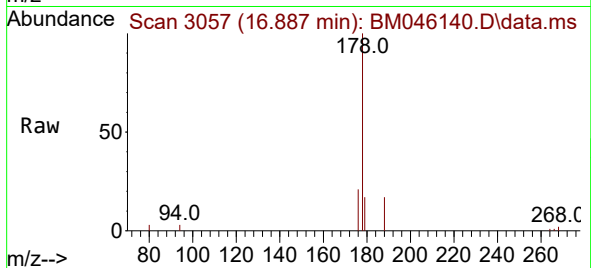




#15
Phenanthrene
Concen: 0.414 ng/ul
RT: 16.887 min Scan# 3057
Delta R.T. -0.017 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

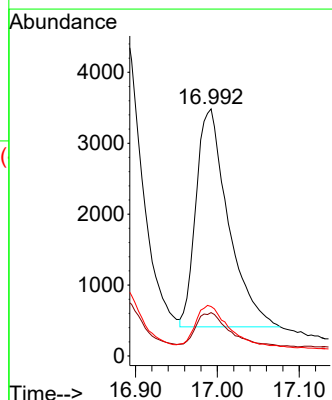
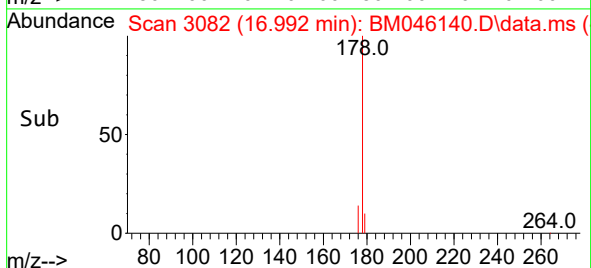
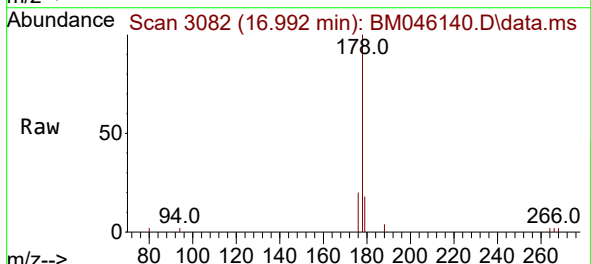
Instrument :
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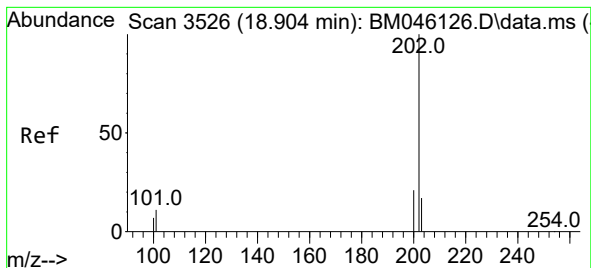
Tgt Ion:178 Resp: 10821
Ion Ratio Lower Upper
178 100
179 17.1 14.2 21.2
176 21.4 17.1 25.7



#16
Anthracene
Concen: 0.430 ng/ul
RT: 16.992 min Scan# 3082
Delta R.T. -0.013 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:178 Resp: 8378
Ion Ratio Lower Upper
178 100
179 17.6 14.9 22.3
176 20.0 17.0 25.4





#19

Fluoranthene

Concen: 0.434 ng/ul

RT: 18.903 min Scan# 3

Delta R.T. -0.014 min

Lab File: BM046140.D

Acq: 21 Jun 2024 02:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.4136

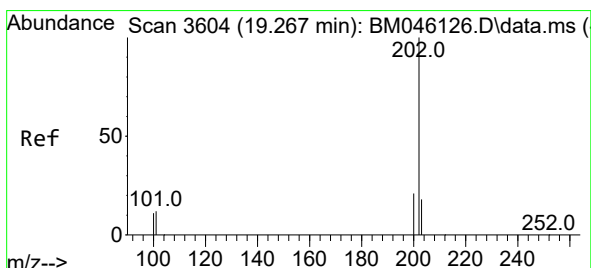
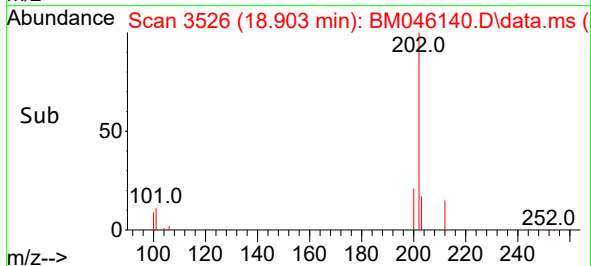
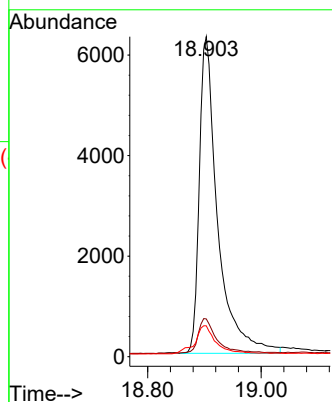
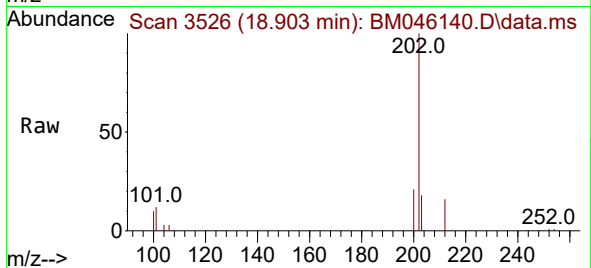
Tgt Ion:202 Resp: 14123

Ion Ratio Lower Upper

202 100

101 11.8 9.6 14.4

100 9.6 7.6 11.4



#20

Pyrene

Concen: 0.428 ng/ul

RT: 19.261 min Scan# 3603

Delta R.T. -0.014 min

Lab File: BM046140.D

Acq: 21 Jun 2024 02:05

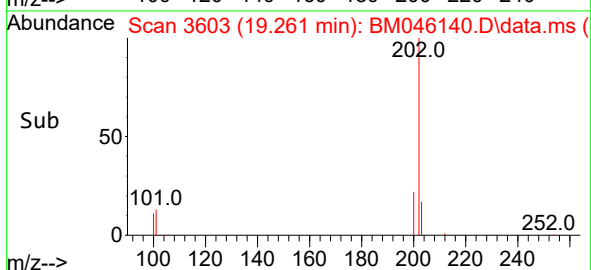
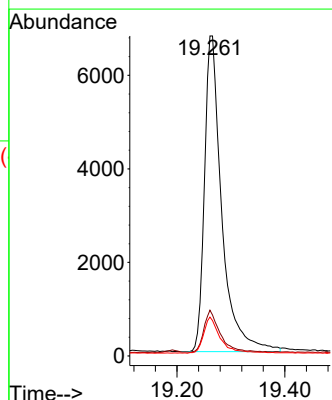
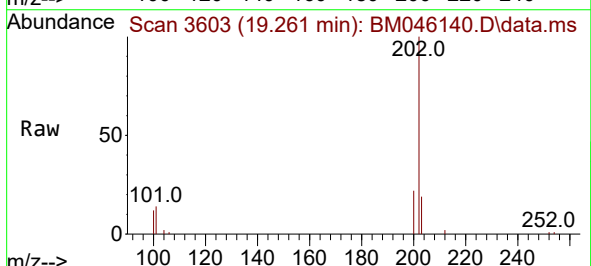
Tgt Ion:202 Resp: 15036

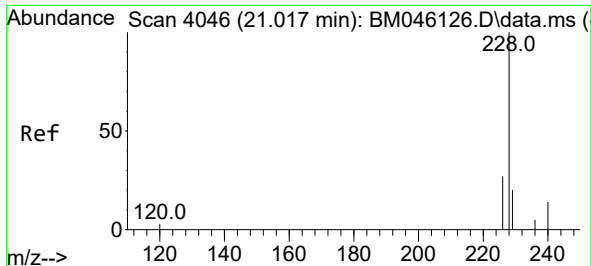
Ion Ratio Lower Upper

202 100

101 14.3 11.3 16.9

100 12.1 9.8 14.6

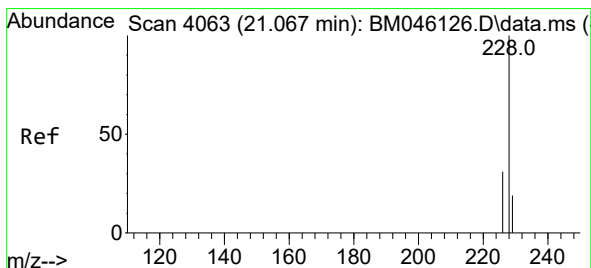
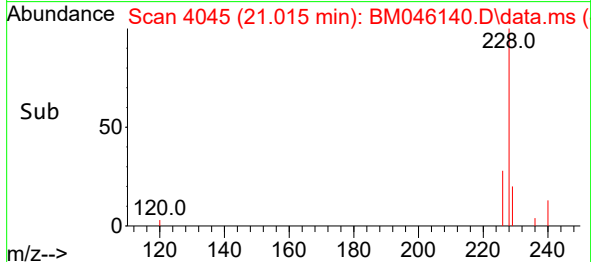
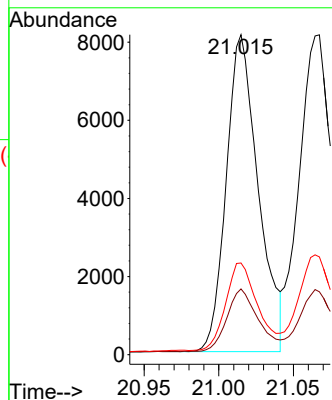
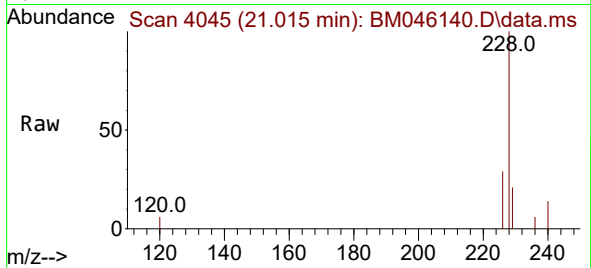




#21
Benzo(a)anthracene
Concen: 0.418 ng/ul
RT: 21.015 min Scan# 4045
Delta R.T. -0.015 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

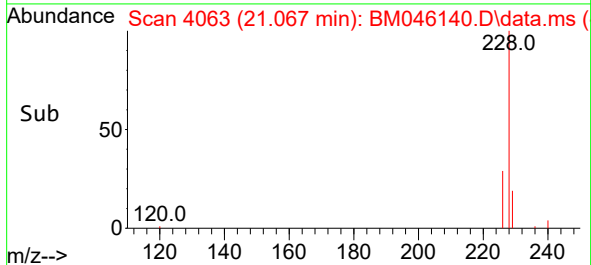
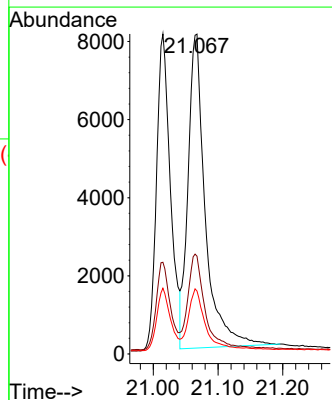
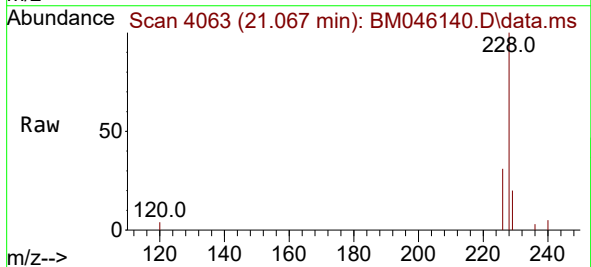
Instrument :
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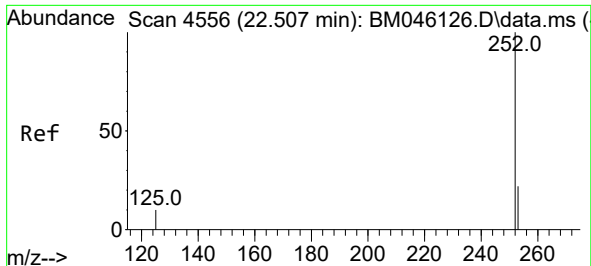
Tgt Ion:228 Resp: 12110
Ion Ratio Lower Upper
228 100
229 20.6 16.4 24.6
226 28.7 23.4 35.2



#22
Chrysene
Concen: 0.403 ng/ul
RT: 21.067 min Scan# 4063
Delta R.T. -0.009 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

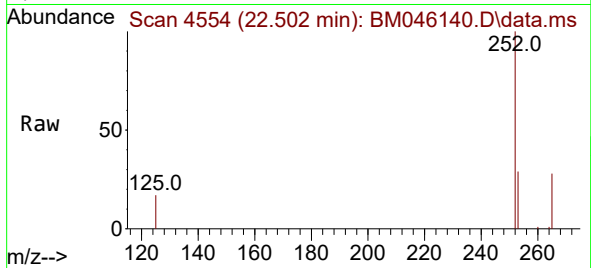
Tgt Ion:228 Resp: 14916
Ion Ratio Lower Upper
228 100
226 30.5 25.2 37.8
229 19.6 16.3 24.5



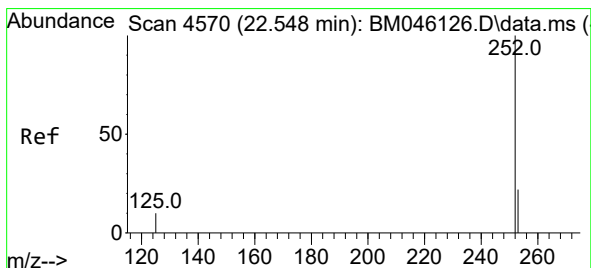
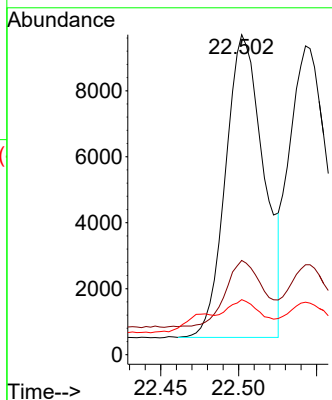


#24
Benzo(b)fluoranthene
Concen: 0.419 ng/ul
RT: 22.502 min Scan# 4554
Delta R.T. -0.017 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

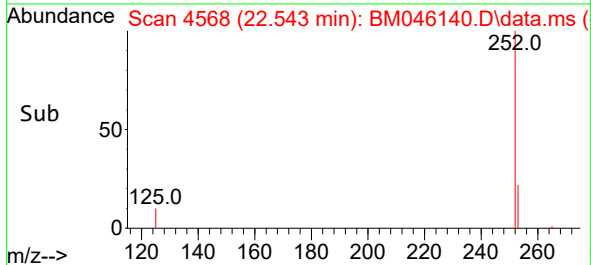
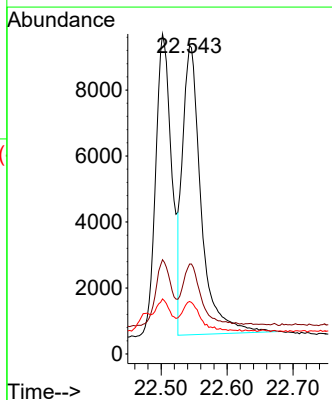
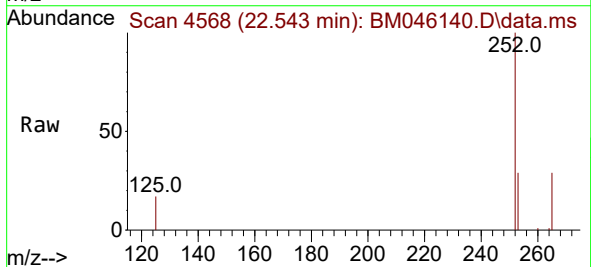


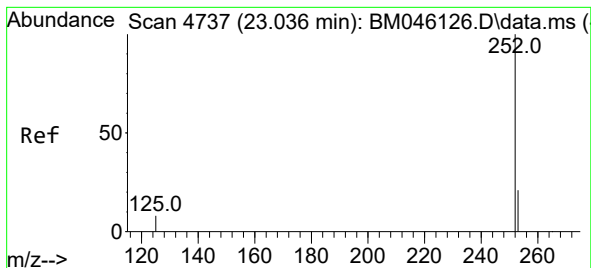
Tgt Ion:252 Resp: 15626
Ion Ratio Lower Upper
252 100
253 29.4 0.0 65.8
125 17.2 0.0 40.2



#25
Benzo(k)fluoranthene
Concen: 0.387 ng/ul
RT: 22.543 min Scan# 4568
Delta R.T. -0.020 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:252 Resp: 17153
Ion Ratio Lower Upper
252 100
253 29.1 27.2 40.8
125 17.0 16.6 25.0





#26

Benzo(a)pyrene

Concen: 0.422 ng/ul

RT: 23.031 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM046140.D

Acq: 21 Jun 2024 02:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.4136

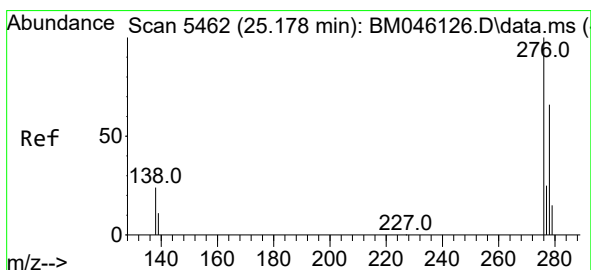
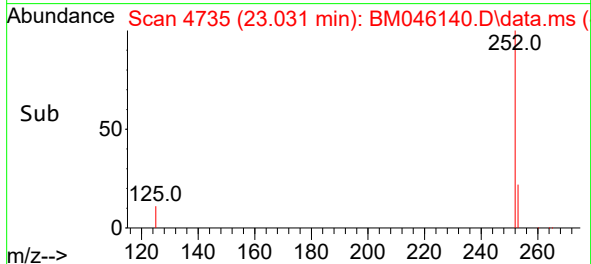
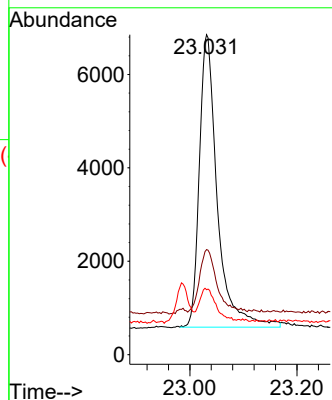
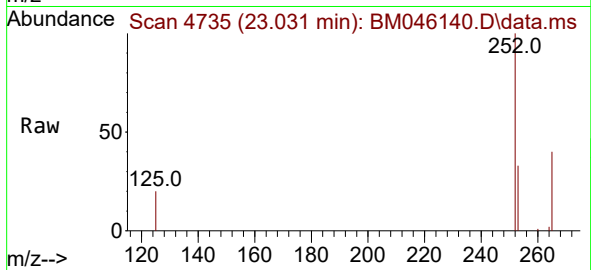
Tgt Ion:252 Resp: 14561

Ion Ratio Lower Upper

252 100

253 32.9 32.1 48.1

125 20.3 21.2 31.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.373 ng/ul

RT: 25.172 min Scan# 5460

Delta R.T. -0.030 min

Lab File: BM046140.D

Acq: 21 Jun 2024 02:05

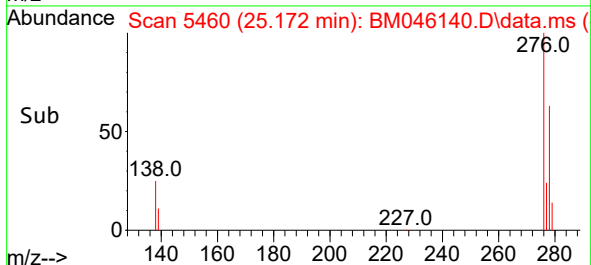
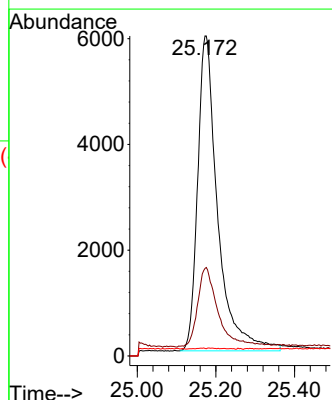
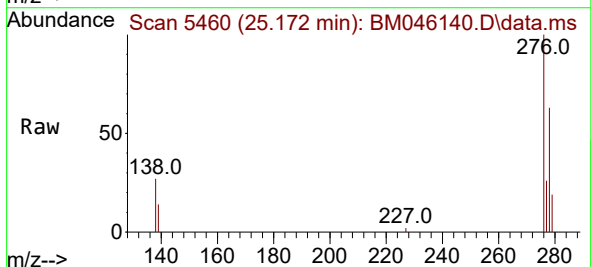
Tgt Ion:276 Resp: 21088

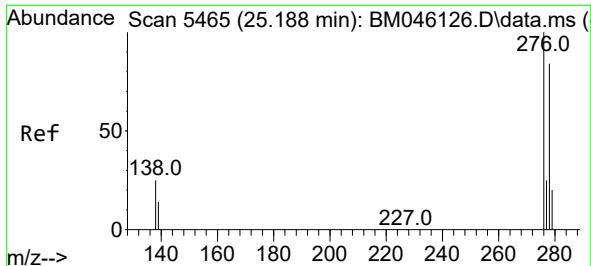
Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.4

227 0.1 0.0 0.0#

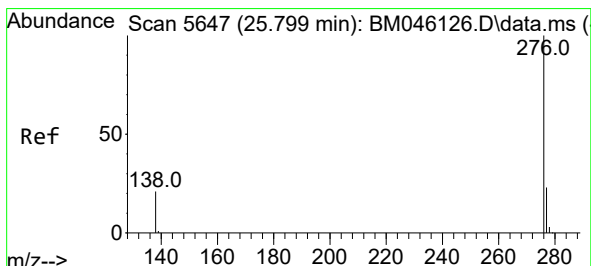
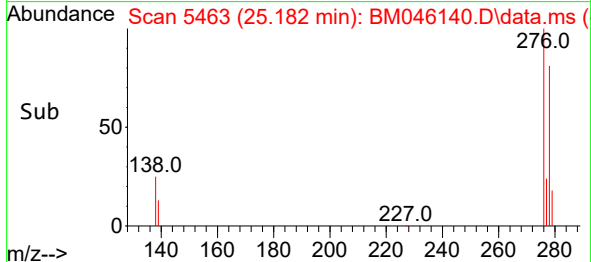
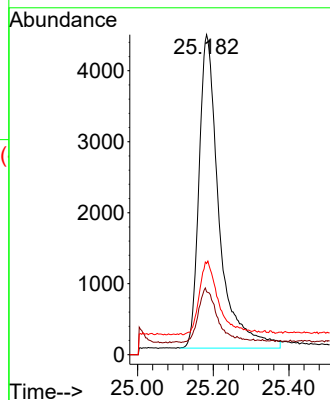
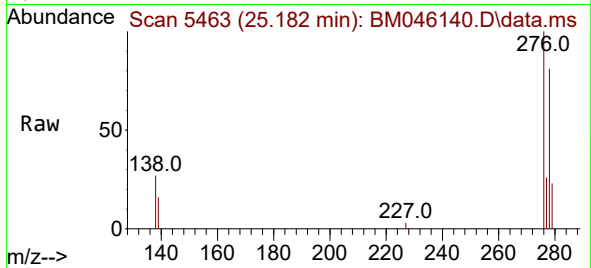




#28
Dibenzo(a,h)anthracene
Concen: 0.386 ng/ul
RT: 25.182 min Scan# 5465
Delta R.T. -0.033 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Instrument :
BNA_M
ClientSampleId :
SSTD0.4136

Tgt Ion:278 Resp: 16223
Ion Ratio Lower Upper
278 100
139 19.7 17.6 26.4
279 28.5 26.3 39.5



#29
Benzo(g,h,i)perylene
Concen: 0.370 ng/ul
RT: 25.799 min Scan# 5647
Delta R.T. -0.030 min
Lab File: BM046140.D
Acq: 21 Jun 2024 02:05

Tgt Ion:276 Resp: 17944
Ion Ratio Lower Upper
276 100
138 25.1 21.7 32.5
277 24.9 20.4 30.6

