

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051923\
 Data File : BM039953.D
 Acq On : 19 May 2023 11:26
 Operator : CG/JU
 Sample : SST0.164
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.1043

Quant Time: May 19 16:55:43 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 19 15:08:18 2023
 Response via : Initial Calibration

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

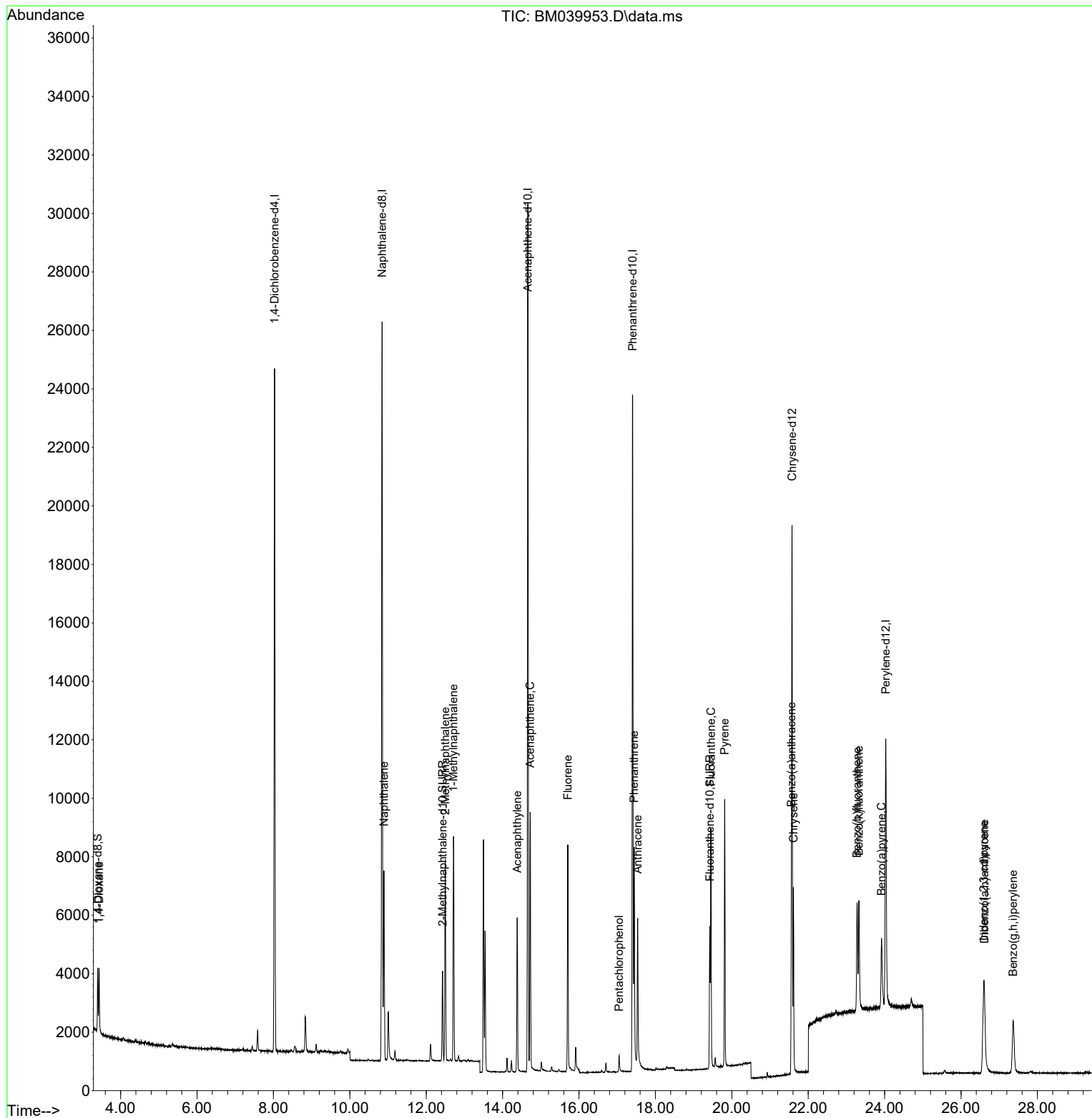
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.029	152	11081	0.400	ng/ul	0.00
4) Naphthalene-d8	10.844	136	33537	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.660	164	15453	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.404	188	28035	0.400	ng/ul	0.00
17) Chrysene-d12	21.576	240	15441	0.400	ng/ul	0.00
23) Perylene-d12	24.029	264	13478	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.401	96	1403	0.097	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.428	152	3862	0.100	ng/ul	0.00
18) Fluoranthene-d10	19.421	212	4893	0.098	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.434	88	1535	0.098	ng/ul#	82
5) Naphthalene	10.894	128	8481	0.098	ng/ul	98
7) 2-Methylnaphthalene	12.499	142	4782	0.098	ng/ul	100
8) 1-Methylnaphthalene	12.714	142	5018	0.099	ng/ul	100
10) Acenaphthylene	14.383	152	6038	0.095	ng/ul	98
11) Acenaphthene	14.720	153	4973	0.095	ng/ul	98
12) Fluorene	15.706	166	5022	0.095	ng/ul	98
14) Pentachlorophenol	17.049	266	426	0.073	ng/ul	99
15) Phenanthrene	17.442	178	7722	0.097	ng/ul	98
16) Anthracene	17.535	178	6026	0.092	ng/ul	94
19) Fluoranthene	19.454	202	7095	0.096	ng/ul	97
20) Pyrene	19.812	202	7223	0.099	ng/ul	99
21) Benzo(a)anthracene	21.559	228	4685	0.097	ng/ul	100
22) Chrysene	21.614	228	5487	0.098	ng/ul	97
24) Benzo(b)fluoranthene	23.277	252	5112	0.096	ng/ul	83
25) Benzo(k)fluoranthene	23.327	252	5320	0.096	ng/ul#	82
26) Benzo(a)pyrene	23.920	252	4017	0.093	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.591	276	5139	0.087	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.612	278	4035	0.085	ng/ul#	87
29) Benzo(g,h,i)perylene	27.366	276	4229	0.084	ng/ul	92

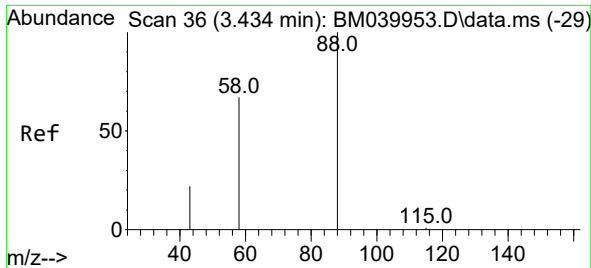
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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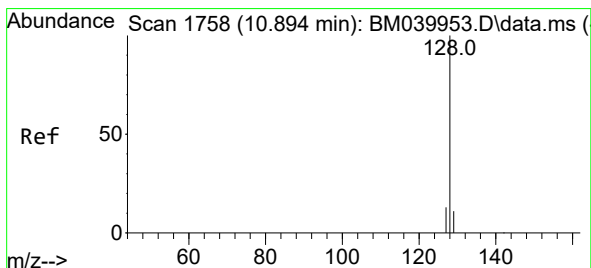
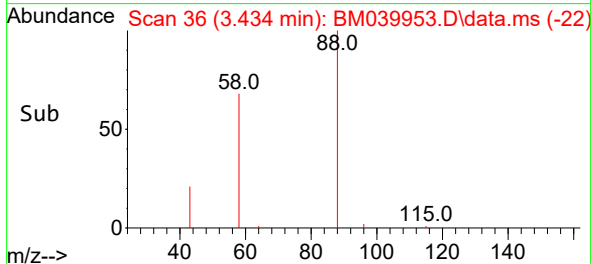
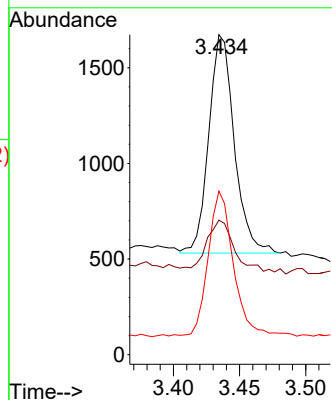
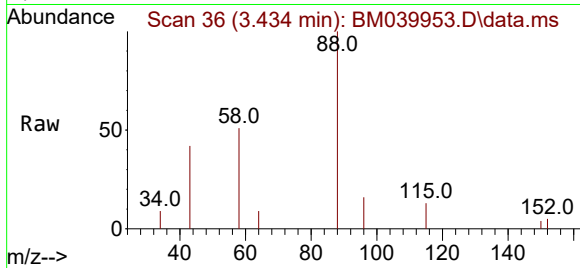




#2
1,4-Dioxane
Concen: 0.098 ng/ul
RT: 3.434 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

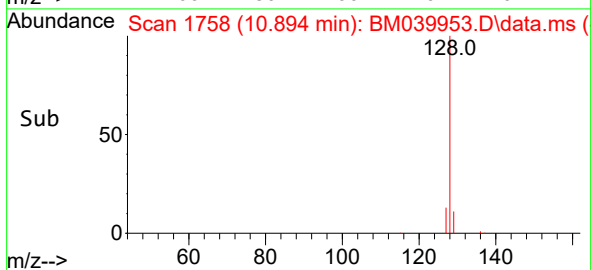
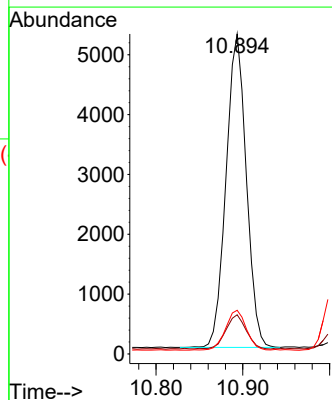
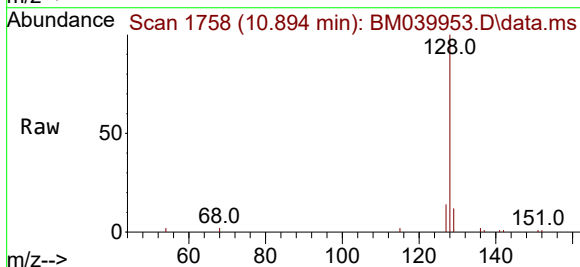
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

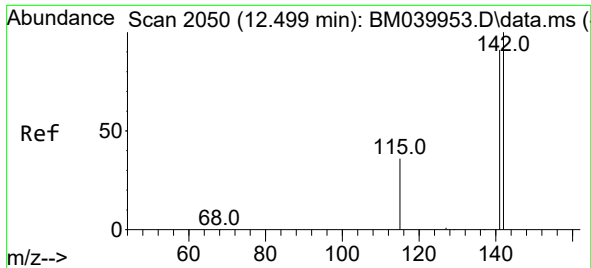
Tgt Ion: 88 Resp: 1535
Ion Ratio Lower Upper
88 100
43 42.1 21.7 32.5#
58 51.1 49.4 74.0



#5
Naphthalene
Concen: 0.098 ng/ul
RT: 10.894 min Scan# 1758
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion: 128 Resp: 8481
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.6
127 13.6 10.4 15.6

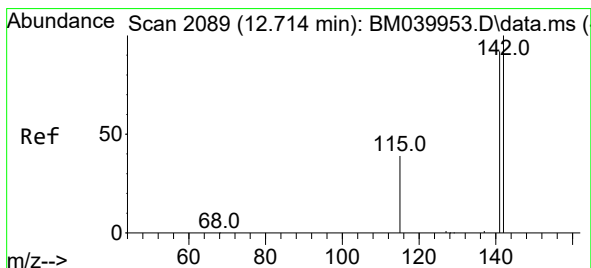
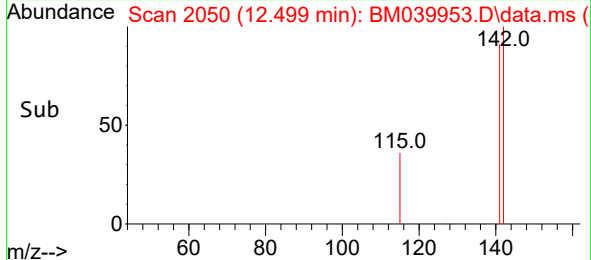
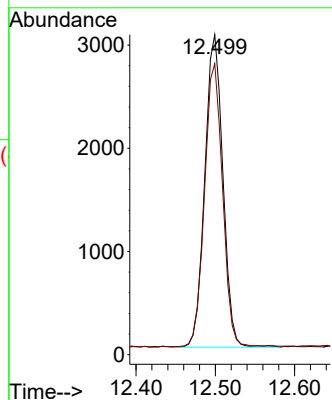
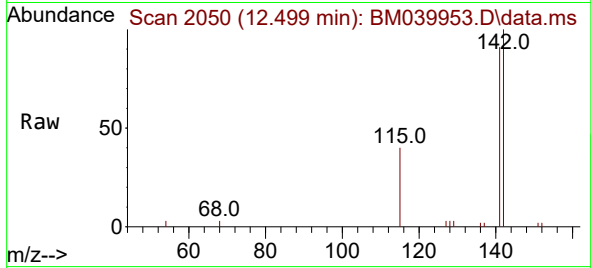




#7
2-Methylnaphthalene
Concen: 0.098 ng/ul
RT: 12.499 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

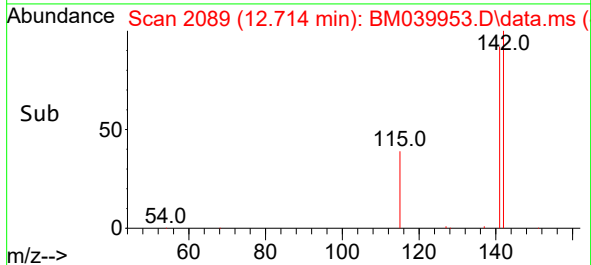
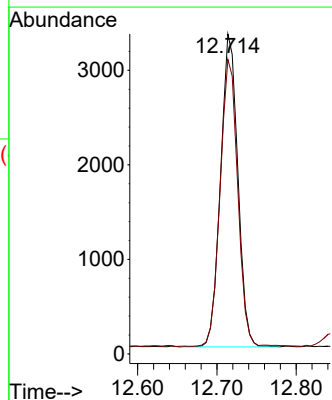
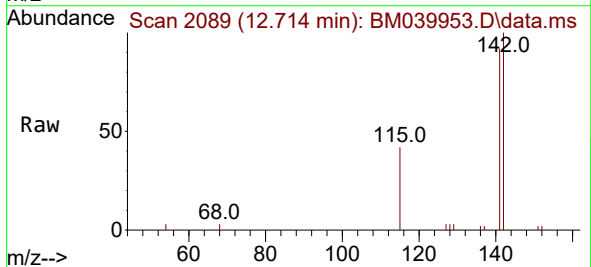
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

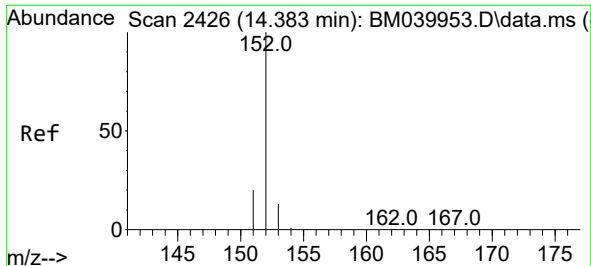
Tgt Ion:142 Resp: 4782
Ion Ratio Lower Upper
142 100
141 91.0 72.4 108.6



#8
1-Methylnaphthalene
Concen: 0.099 ng/ul
RT: 12.714 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:142 Resp: 5018
Ion Ratio Lower Upper
142 100
141 92.9 74.7 112.1

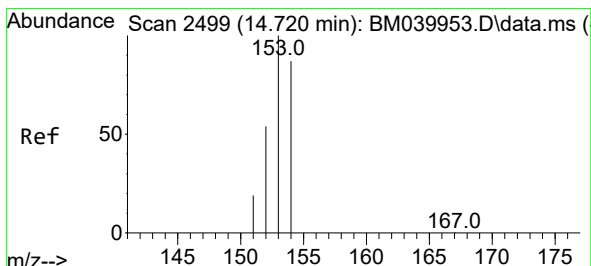
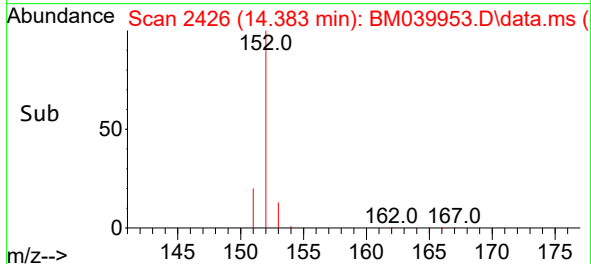
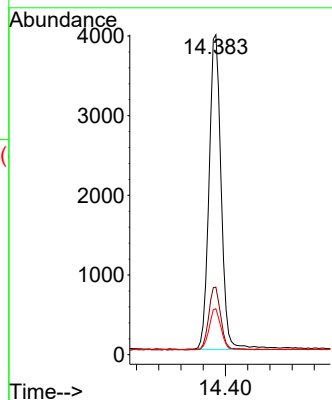
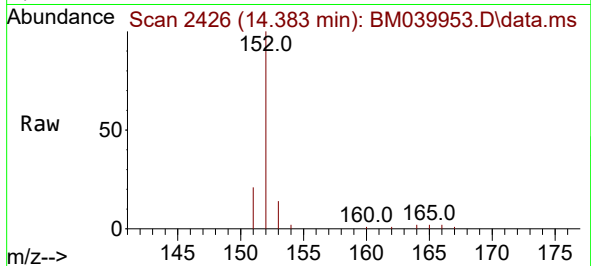




#10
Acenaphthylene
Concen: 0.095 ng/ul
RT: 14.383 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

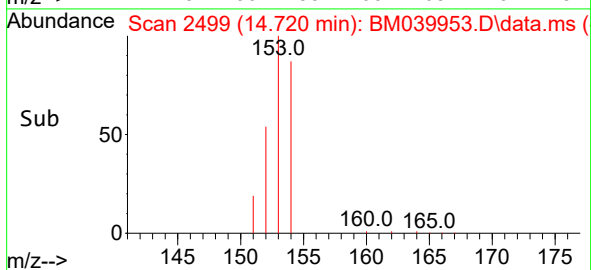
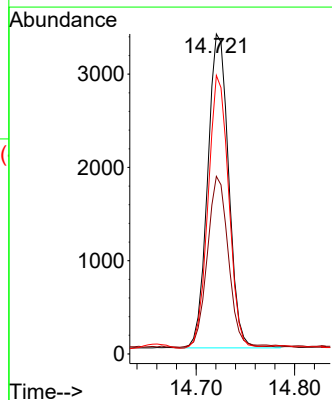
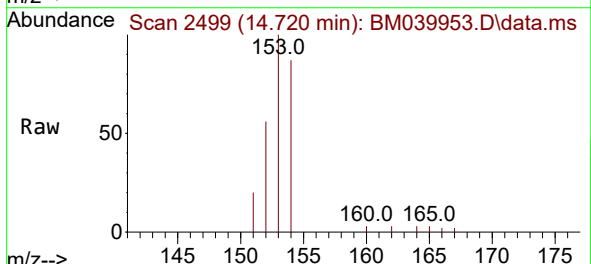
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

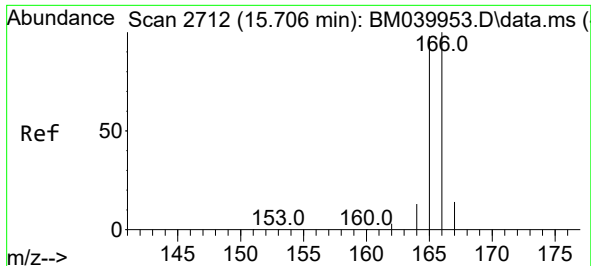
Tgt Ion:152 Resp: 6038
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 14.3 10.6 15.8



#11
Acenaphthene
Concen: 0.095 ng/ul
RT: 14.720 min Scan# 2499
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:153 Resp: 4973
Ion Ratio Lower Upper
153 100
152 55.5 43.5 65.3
154 87.1 67.8 101.6

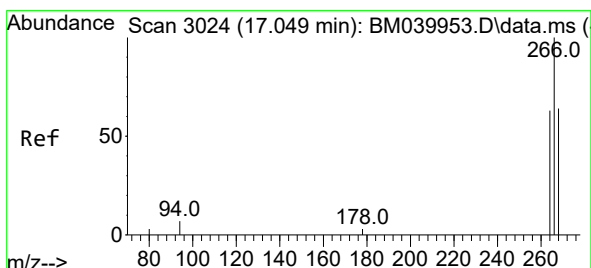
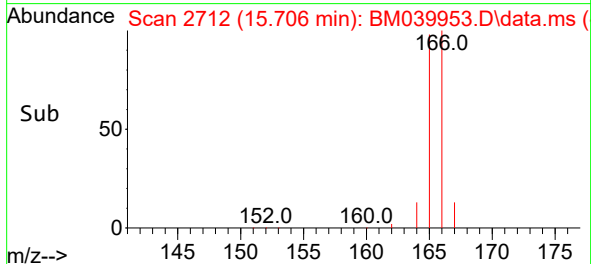
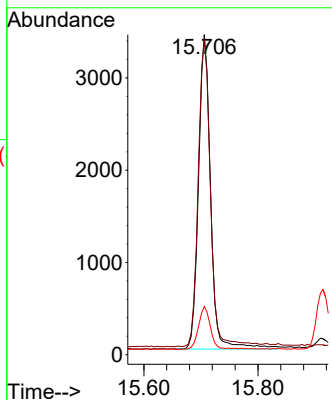
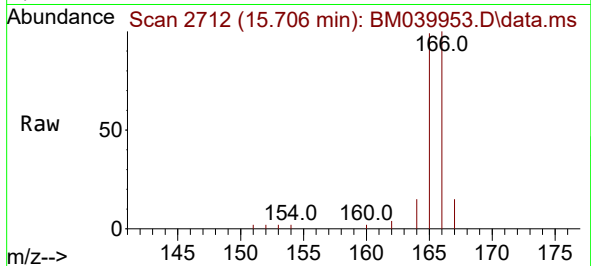




#12
Fluorene
Concen: 0.095 ng/ul
RT: 15.706 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

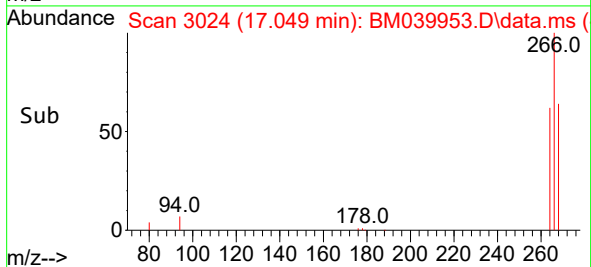
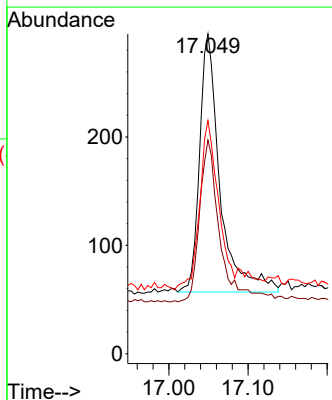
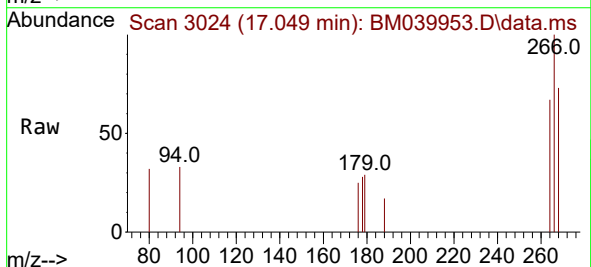
Instrument :
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ClientSampleId :
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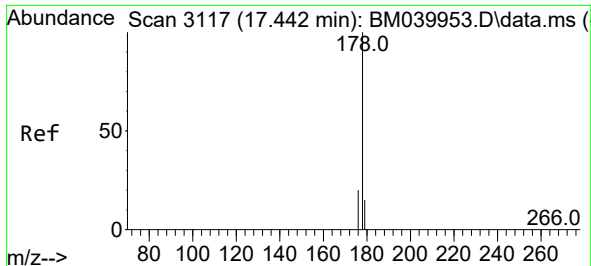
Tgt Ion:166 Resp: 5022
Ion Ratio Lower Upper
166 100
165 98.7 80.1 120.1
167 15.0 11.0 16.4



#14
Pentachlorophenol
Concen: 0.073 ng/ul
RT: 17.049 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:266 Resp: 426
Ion Ratio Lower Upper
266 100
264 63.1 51.0 76.6
268 67.1 53.4 80.2

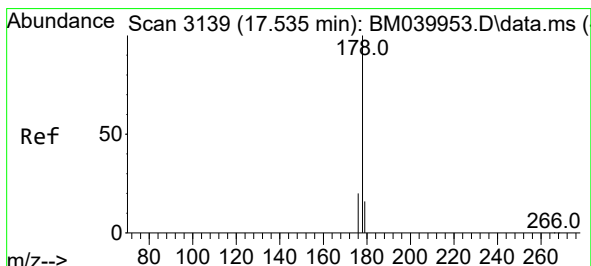
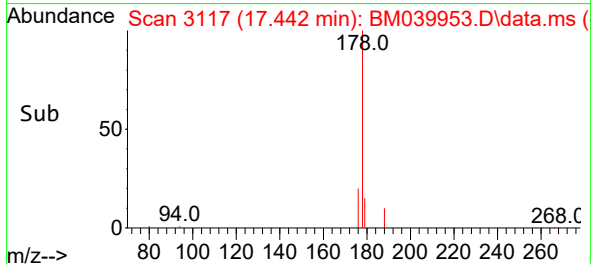
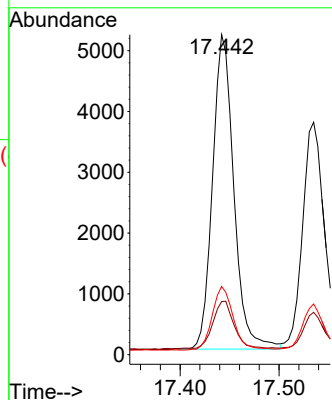
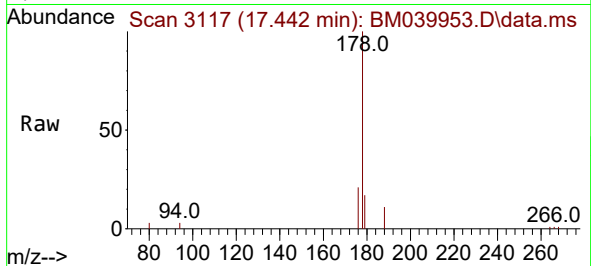




#15
Phenanthrene
Concen: 0.097 ng/ul
RT: 17.442 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

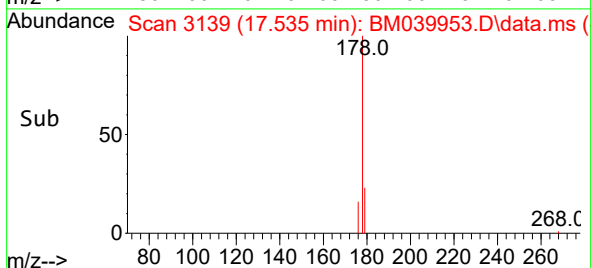
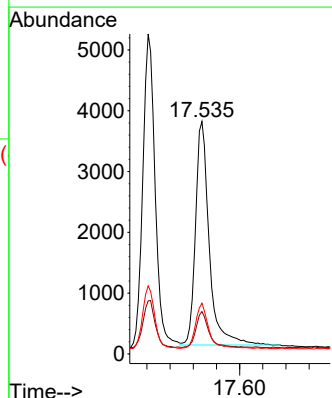
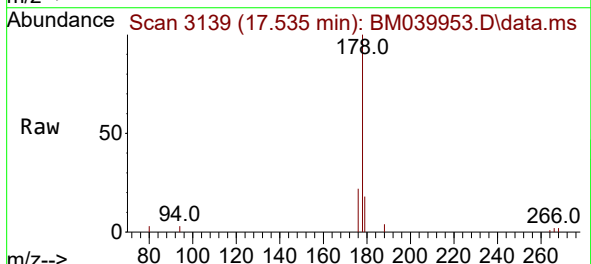
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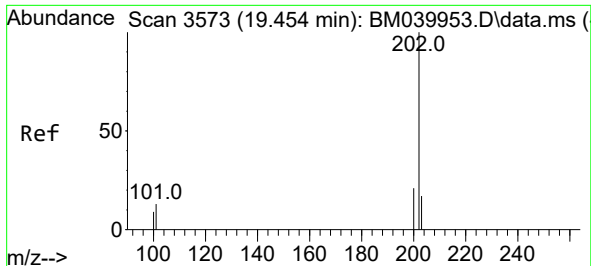
Tgt Ion:178 Resp: 7722
Ion Ratio Lower Upper
178 100
179 16.6 12.5 18.7
176 21.3 16.6 24.8



#16
Anthracene
Concen: 0.092 ng/ul
RT: 17.535 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:178 Resp: 6026
Ion Ratio Lower Upper
178 100
179 18.3 12.6 18.8
176 21.8 15.6 23.4

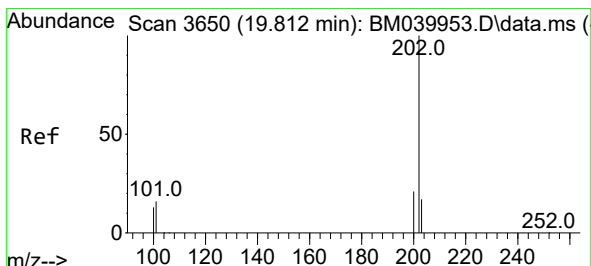
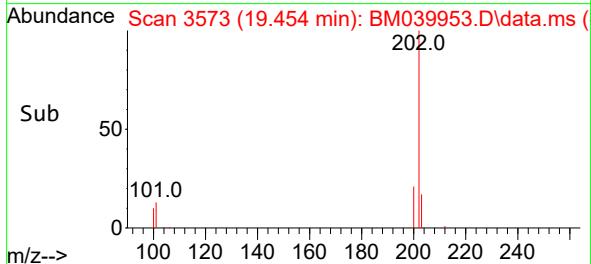
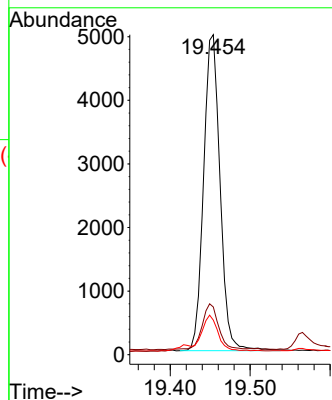
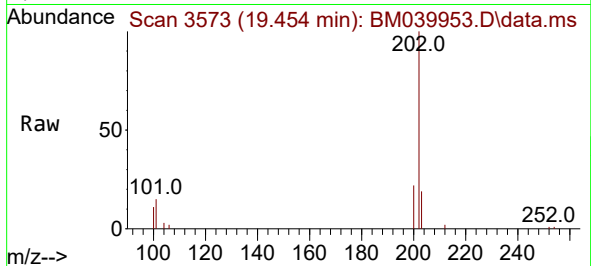




#19
Fluoranthene
Concen: 0.096 ng/ul
RT: 19.454 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

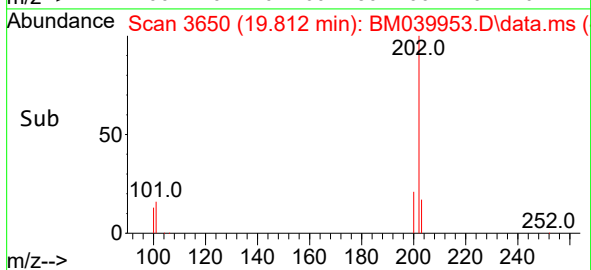
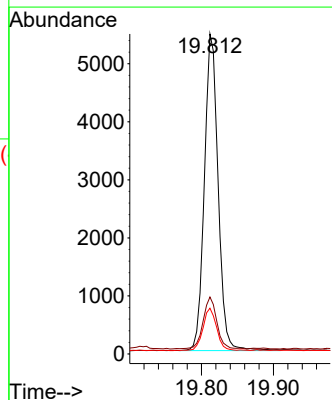
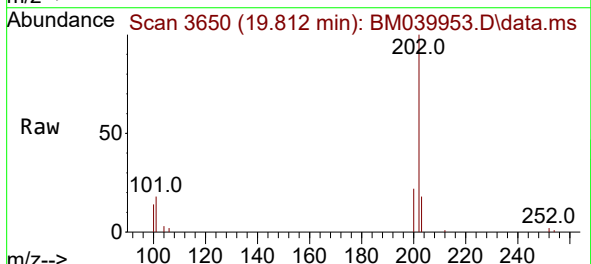
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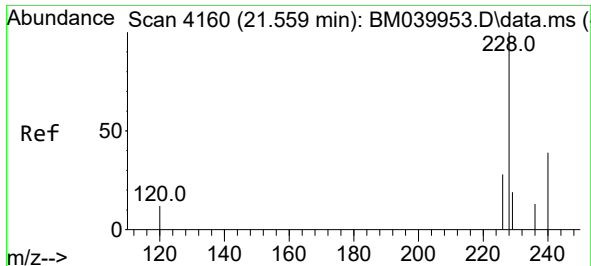
Tgt Ion:202 Resp: 7095
Ion Ratio Lower Upper
202 100
101 14.9 10.8 16.2
100 10.8 8.2 12.4



#20
Pyrene
Concen: 0.099 ng/ul
RT: 19.812 min Scan# 3650
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:202 Resp: 7223
Ion Ratio Lower Upper
202 100
101 17.8 13.8 20.6
100 14.3 11.1 16.7

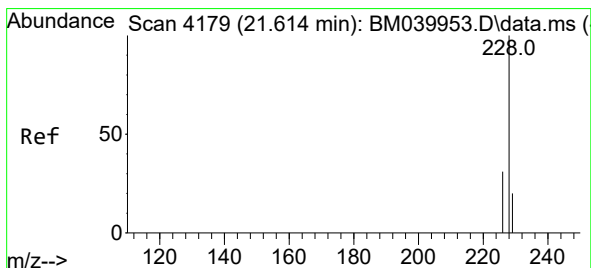
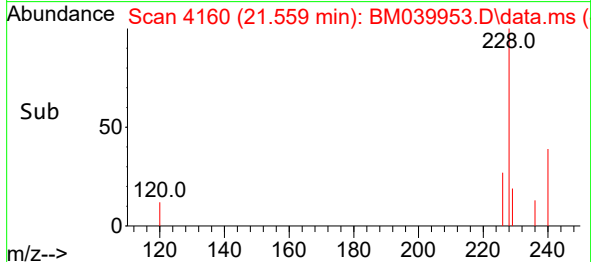
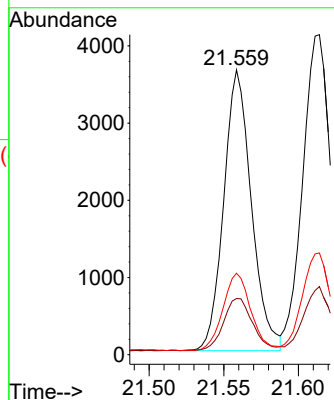
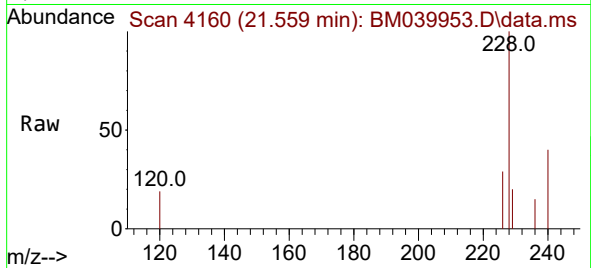




#21
Benzo(a)anthracene
Concen: 0.097 ng/ul
RT: 21.559 min Scan# 4160
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

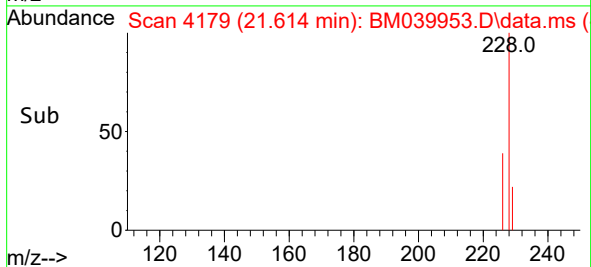
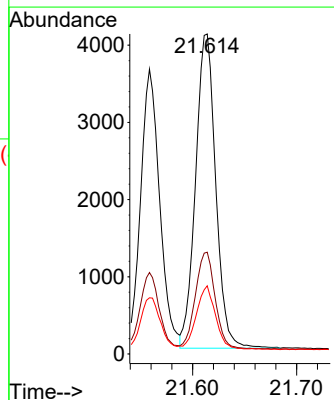
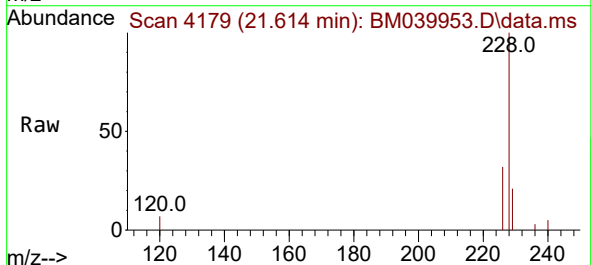
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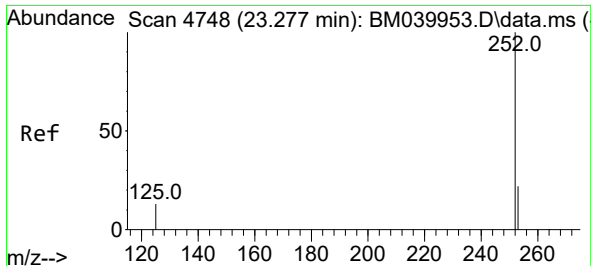
Tgt Ion:	228	Resp:	4685
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.7	23.5
226	28.6	22.7	34.1



#22
Chrysene
Concen: 0.098 ng/ul
RT: 21.614 min Scan# 4179
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:	228	Resp:	5487
Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.6	36.8
229	21.3	15.8	23.6

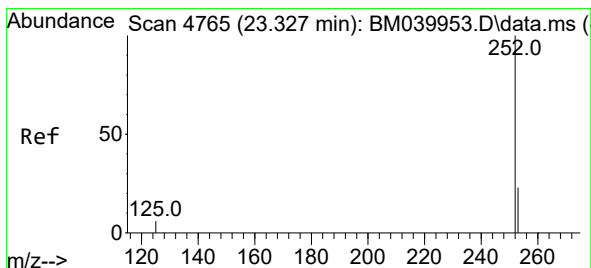
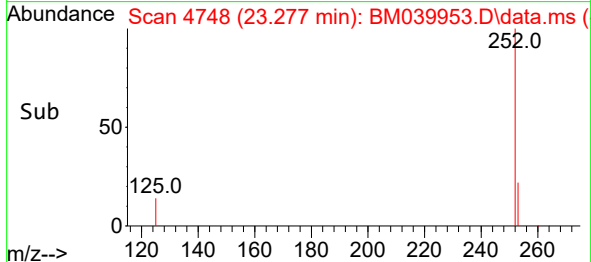
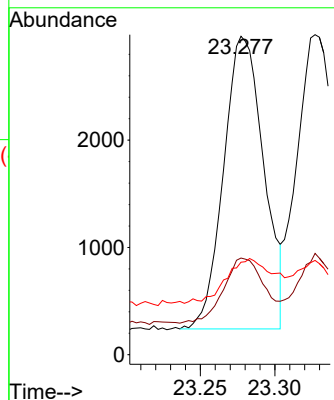
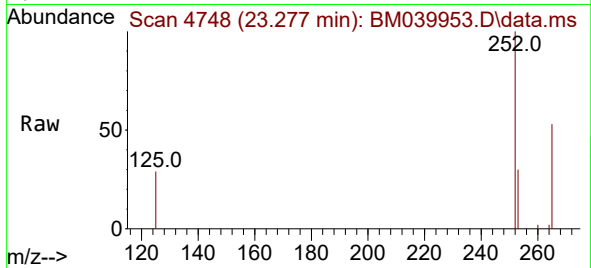




#24
Benzo(b)fluoranthene
Concen: 0.096 ng/ul
RT: 23.277 min Scan# 4748
Delta R.T. 0.000 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

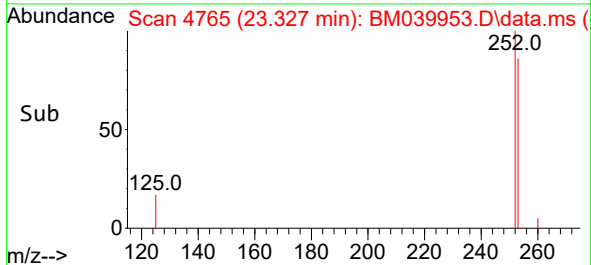
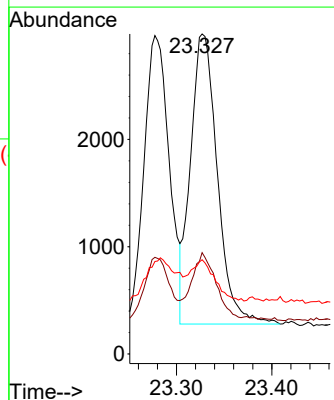
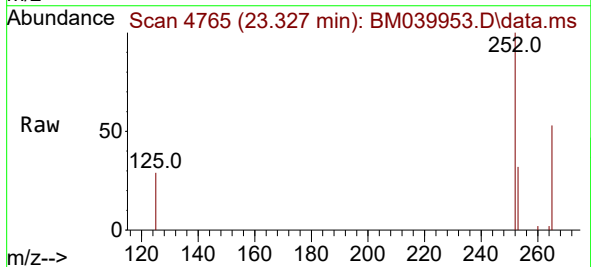
Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

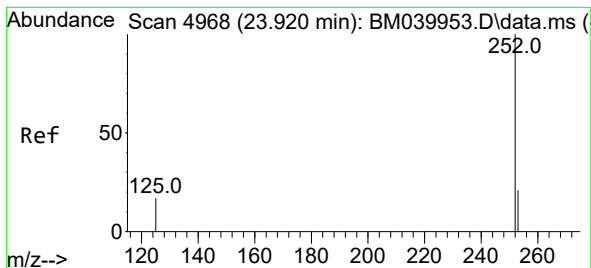
Tgt Ion:252 Resp: 5112
Ion Ratio Lower Upper
252 100
253 30.3 0.0 49.2
125 29.0 0.0 37.2



#25
Benzo(k)fluoranthene
Concen: 0.096 ng/ul
RT: 23.327 min Scan# 4765
Delta R.T. -0.003 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:252 Resp: 5320
Ion Ratio Lower Upper
252 100
253 31.6 19.8 29.8#
125 29.4 14.7 22.1#





#26

Benzo(a)pyrene

Concen: 0.093 ng/ul

RT: 23.920 min Scan# 4968

Delta R.T. 0.003 min

Lab File: BM039953.D

Acq: 19 May 2023 11:26

Instrument :

BNA_M

ClientSampleId :

SSTD0.1043

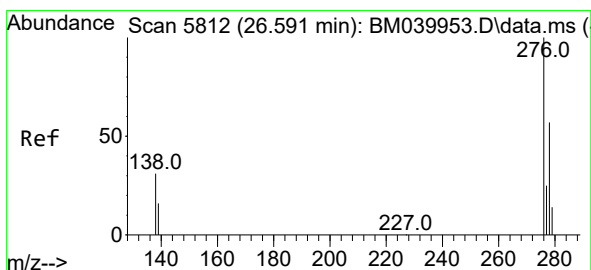
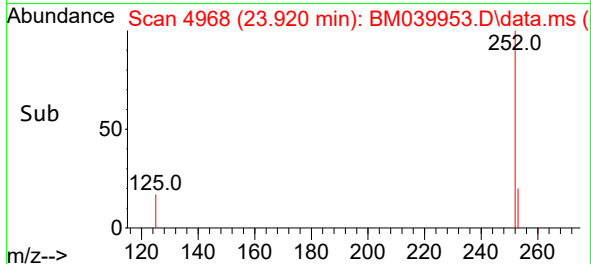
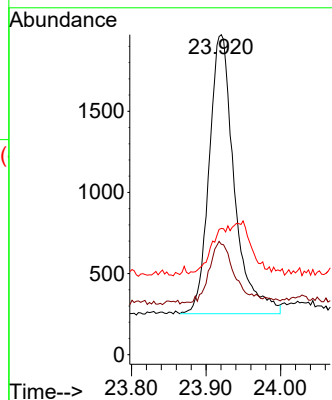
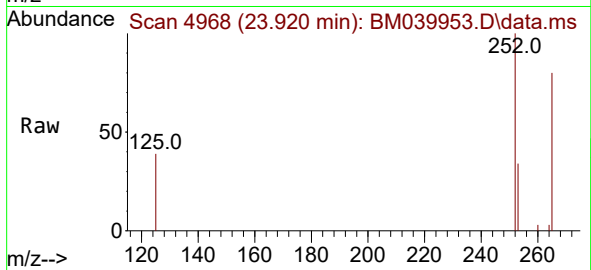
Tgt Ion:252 Resp: 4017

Ion Ratio Lower Upper

252 100

253 34.5 20.3 30.5#

125 39.5 17.8 26.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.087 ng/ul

RT: 26.591 min Scan# 5812

Delta R.T. 0.010 min

Lab File: BM039953.D

Acq: 19 May 2023 11:26

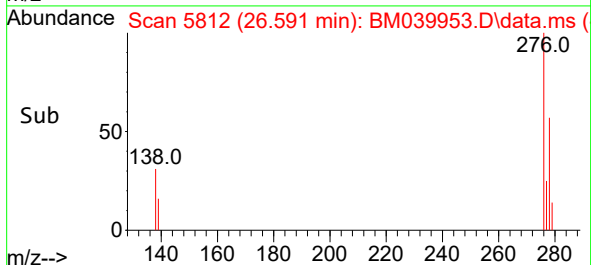
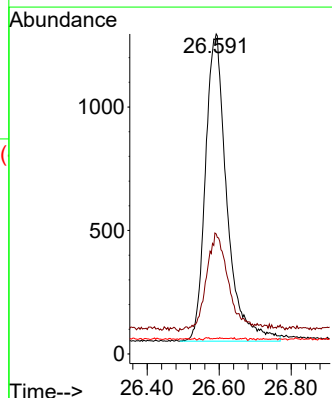
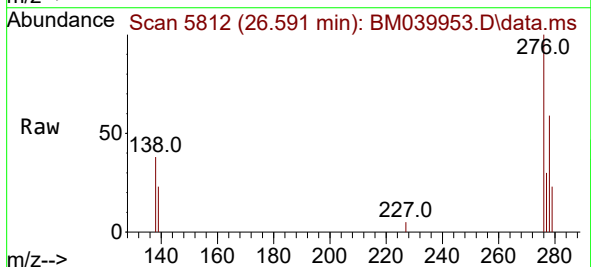
Tgt Ion:276 Resp: 5139

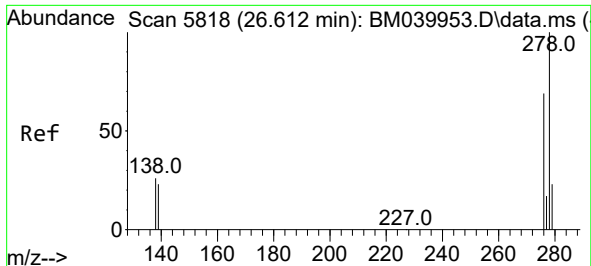
Ion Ratio Lower Upper

276 100

138 31.9 24.8 37.2

227 0.0 0.1 0.1#

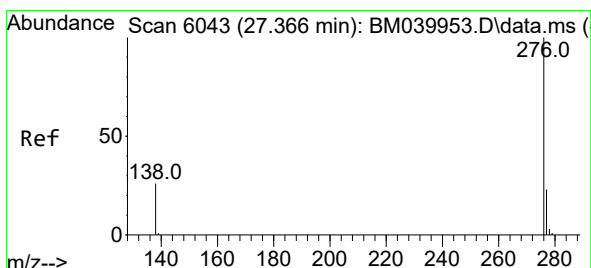
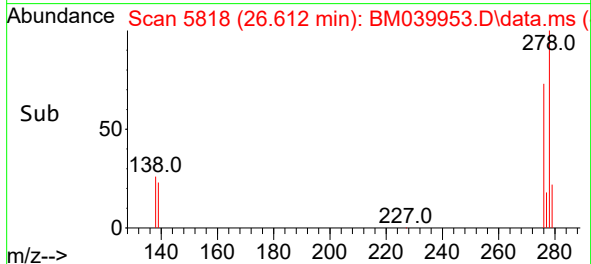
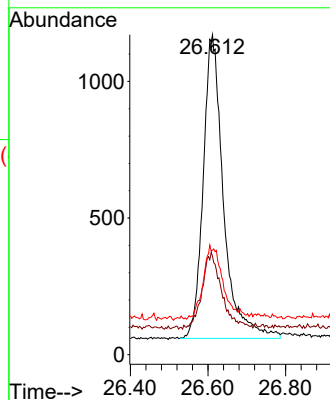
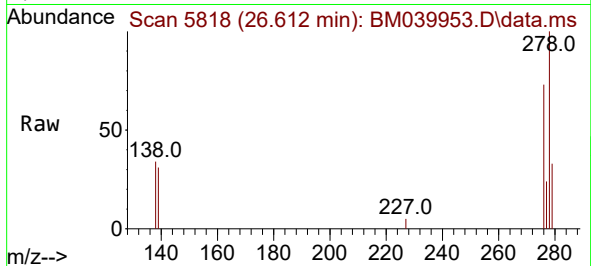




#28
Dibenzo(a,h)anthracene
Concen: 0.085 ng/ul
RT: 26.612 min Scan# 5818
Delta R.T. 0.003 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Instrument :
BNA_M
ClientSampleId :
SSTD0.1043

Tgt Ion:278 Resp: 4035
Ion Ratio Lower Upper
278 100
139 30.7 18.4 27.6#
279 32.7 21.6 32.4#



#29
Benzo(g,h,i)perylene
Concen: 0.084 ng/ul
RT: 27.366 min Scan# 6043
Delta R.T. -0.003 min
Lab File: BM039953.D
Acq: 19 May 2023 11:26

Tgt Ion:276 Resp: 4229
Ion Ratio Lower Upper
276 100
138 33.8 23.1 34.7
277 28.2 19.9 29.9

