

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040276.D
 Acq On : 16 Jun 2023 12:13
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4121

Quant Time: Jun 16 23:38:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

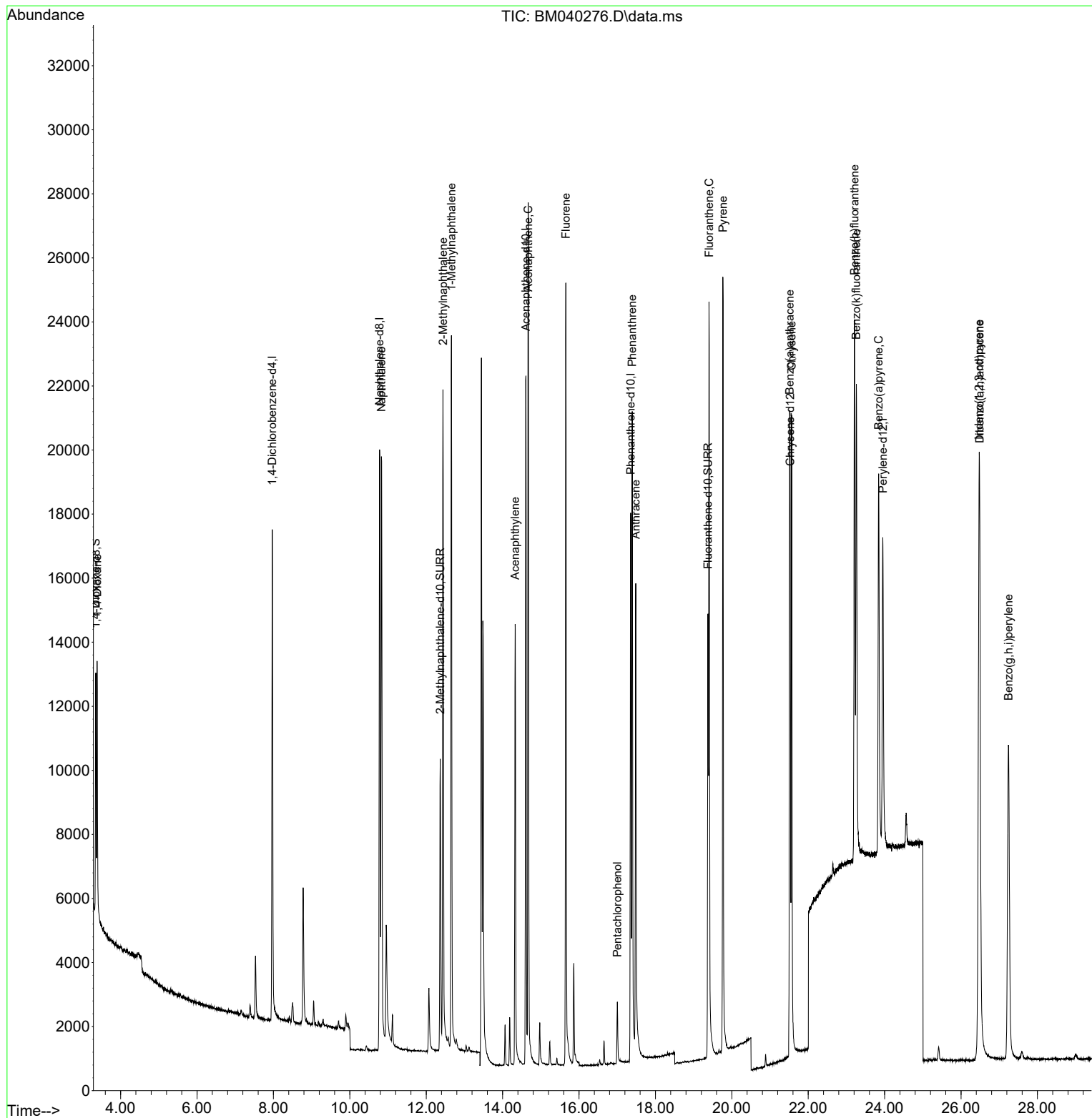
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	8349	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	28101	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	12117	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	20749	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	13215	0.400	ng/ul	# 0.00
23) Perylene-d12	23.952	264	14760	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	4730	0.459	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	13312	0.373	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	15510	0.471	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.384	88	4859	0.449	ng/ul	91
5) Naphthalene	10.827	128	26772	0.402	ng/ul	99
7) 2-Methylnaphthalene	12.439	142	15614	0.377	ng/ul	100
8) 1-Methylnaphthalene	12.659	142	15819	0.365	ng/ul	98
10) Acenaphthylene	14.327	152	17752	0.419	ng/ul	100
11) Acenaphthene	14.670	153	15731	0.433	ng/ul	98
12) Fluorene	15.655	166	16184	0.400	ng/ul	98
14) Pentachlorophenol	17.003	266	1473	0.348	ng/ul	99
15) Phenanthrene	17.391	178	22555	0.413	ng/ul	99
16) Anthracene	17.484	178	18491	0.400	ng/ul	99
19) Fluoranthene	19.403	202	20817	0.462	ng/ul	96
20) Pyrene	19.765	202	21414	0.458	ng/ul#	94
21) Benzo(a)anthracene	21.512	228	16332	0.419	ng/ul	99
22) Chrysene	21.564	228	18556	0.450	ng/ul	99
24) Benzo(b)fluoranthene	23.210	252	21802	0.401	ng/ul	94
25) Benzo(k)fluoranthene	23.260	252	20943	0.409	ng/ul#	94
26) Benzo(a)pyrene	23.844	252	18540	0.415	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.471	276	27024	0.478	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.487	278	21483	0.474	ng/ul	98
29) Benzo(g,h,i)perylene	27.242	276	23270	0.493	ng/ul	96

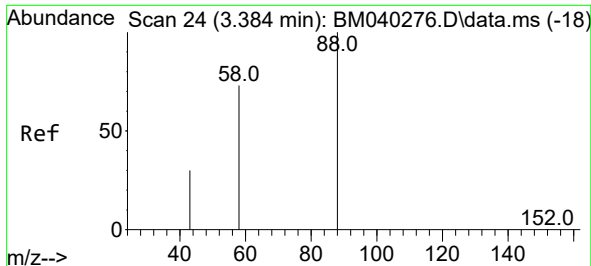
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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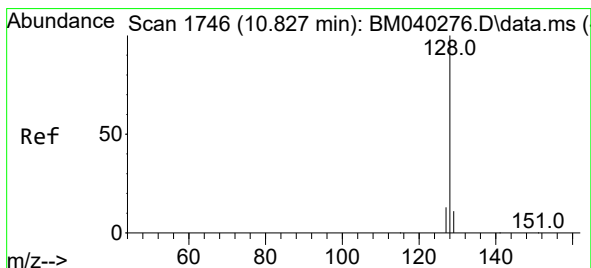
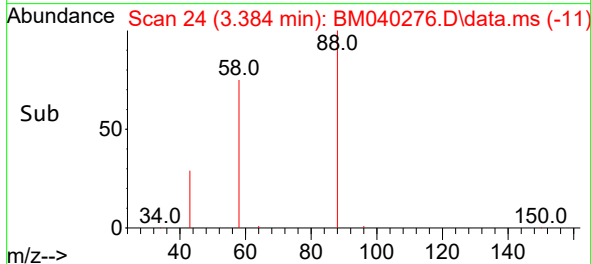
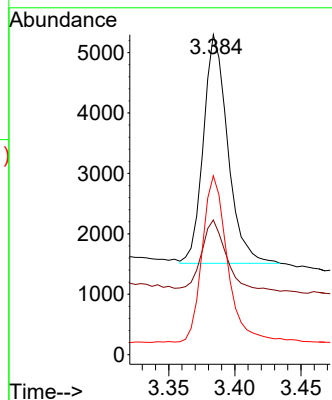
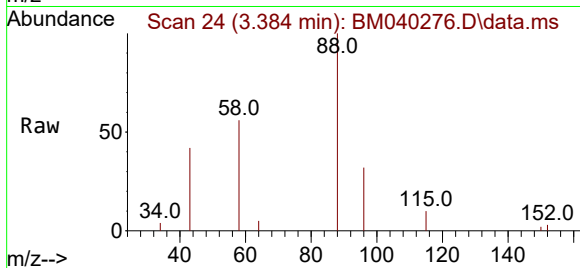




#2
1,4-Dioxane
Concen: 0.449 ng/ul
RT: 3.384 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

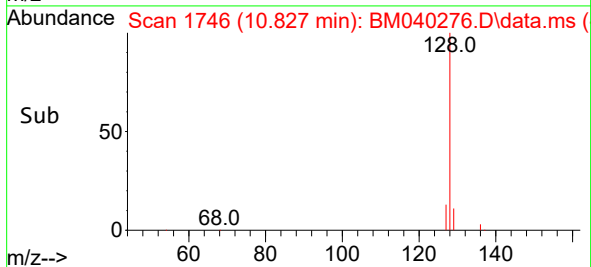
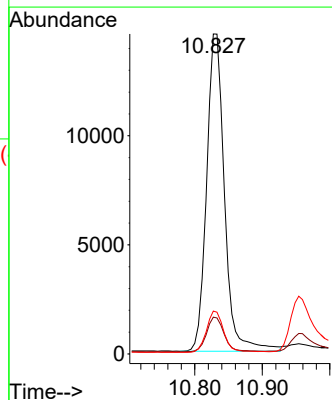
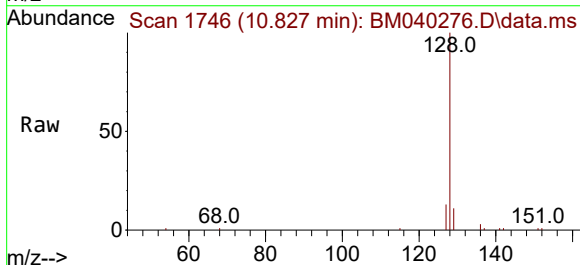
Instrument :
BNA_M
ClientSampleId :
SSTD0.4121

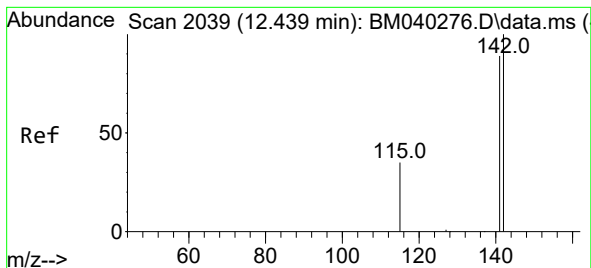
Tgt Ion: 88 Resp: 4859
Ion Ratio Lower Upper
88 100
43 42.1 30.3 45.5
58 55.9 38.8 58.2



#5
Naphthalene
Concen: 0.402 ng/ul
RT: 10.827 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion: 128 Resp: 26772
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.4 10.4 15.6

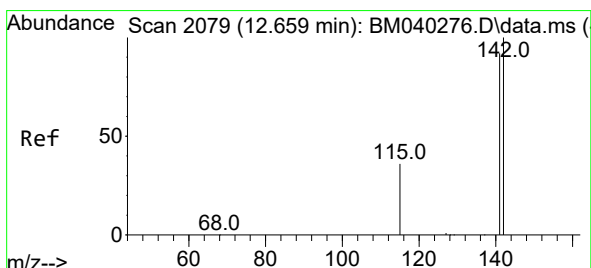
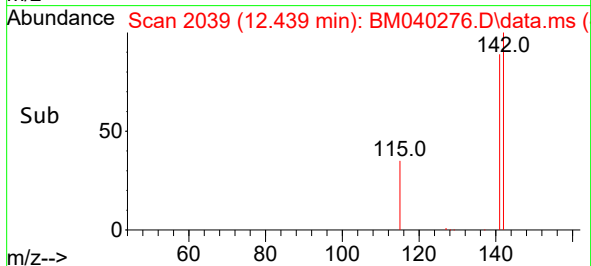
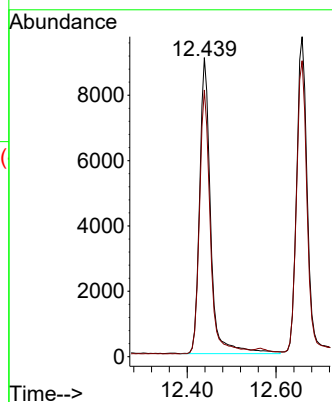
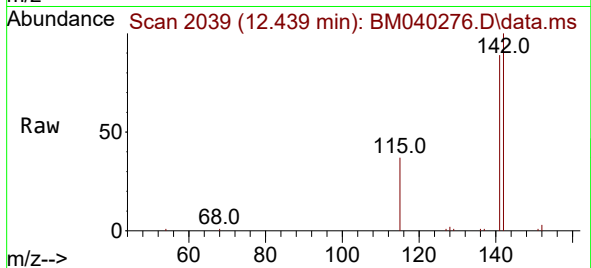




#7
2-Methylnaphthalene
Concen: 0.377 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

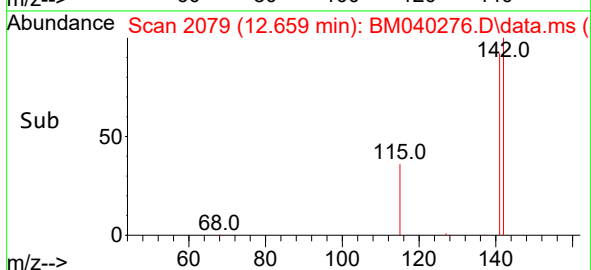
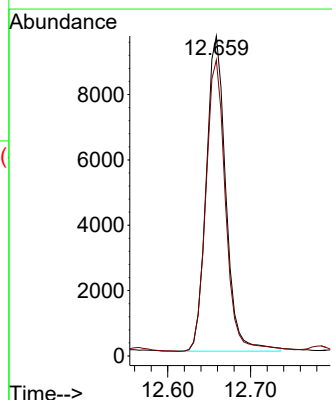
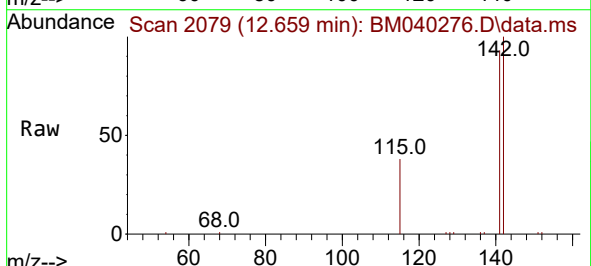
Instrument :
BNA_M
ClientSampleId :
SSTD0.4121

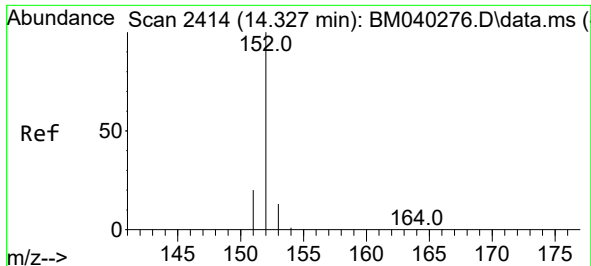
Tgt Ion:142 Resp: 15614
Ion Ratio Lower Upper
142 100
141 88.5 70.6 106.0



#8
1-Methylnaphthalene
Concen: 0.365 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion:142 Resp: 15819
Ion Ratio Lower Upper
142 100
141 92.8 73.0 109.4

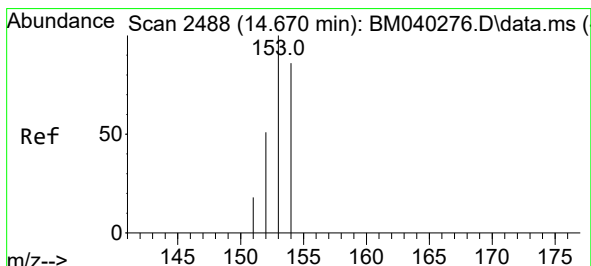
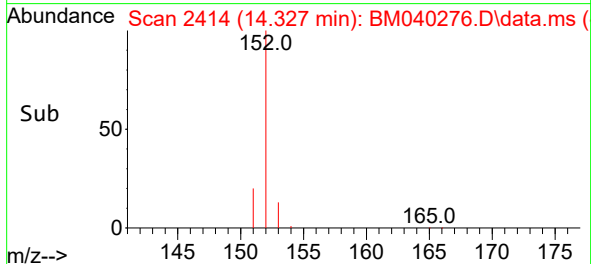
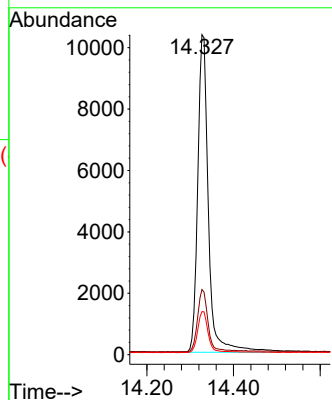
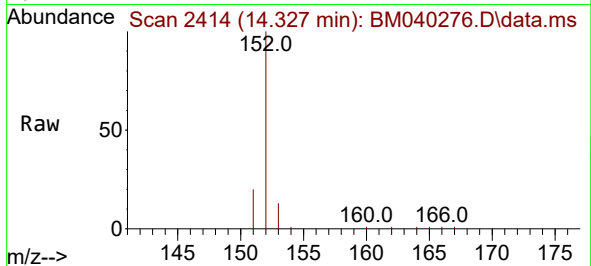




#10
Acenaphthylene
Concen: 0.419 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

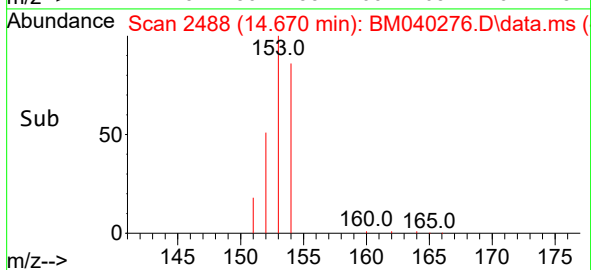
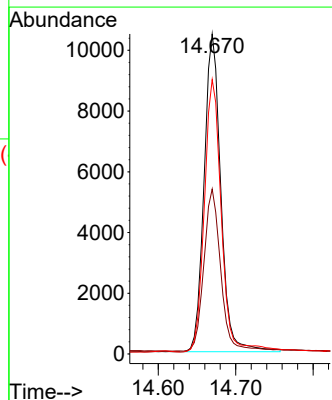
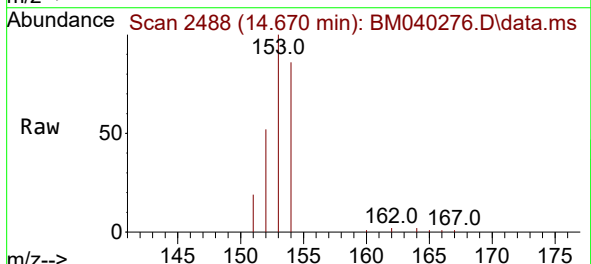
Instrument :
BNA_M
ClientSampleId :
SSTD0.4121

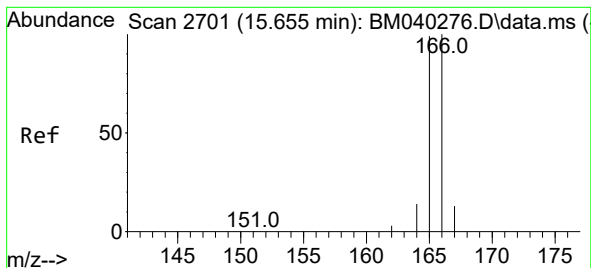
Tgt Ion:152 Resp: 17752
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.4 10.7 16.1



#11
Acenaphthene
Concen: 0.433 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion:153 Resp: 15731
Ion Ratio Lower Upper
153 100
152 51.6 40.3 60.5
154 85.7 70.5 105.7





#12

Fluorene

Concen: 0.400 ng/ul

RT: 15.655 min Scan# 2701

Delta R.T. -0.005 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.4121

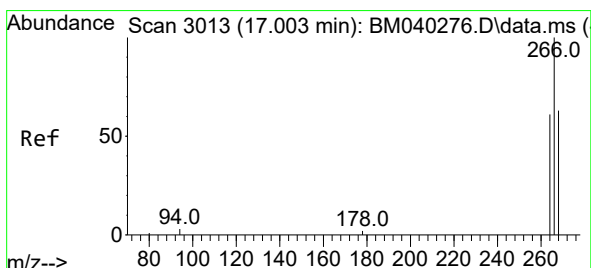
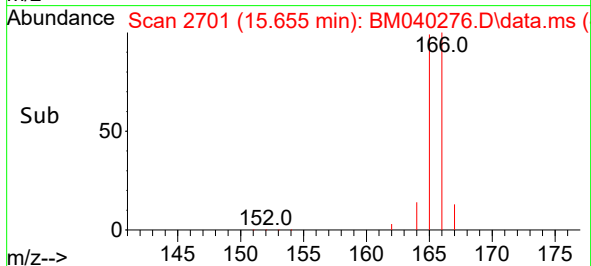
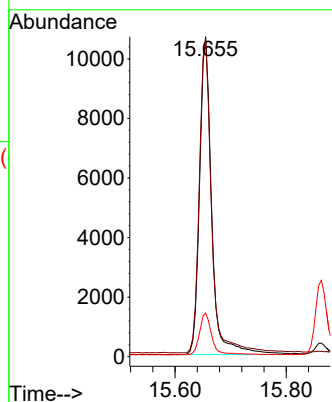
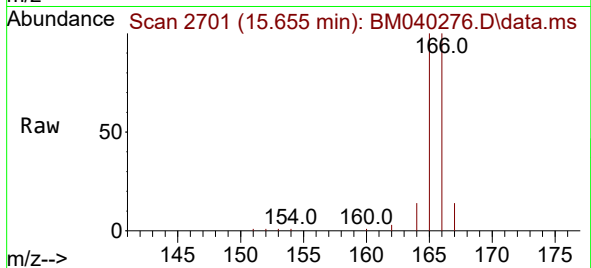
Tgt Ion:166 Resp: 16184

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.4

167 13.7 11.0 16.4



#14

Pentachlorophenol

Concen: 0.348 ng/ul

RT: 17.003 min Scan# 3013

Delta R.T. -0.004 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

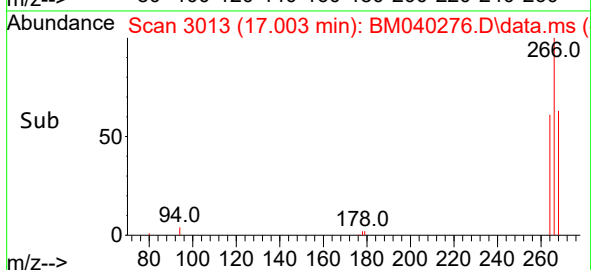
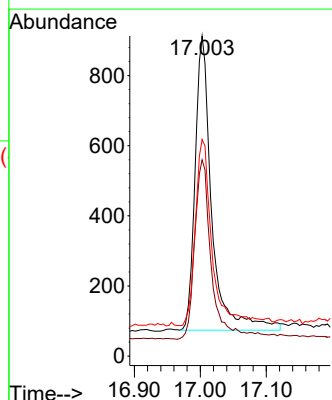
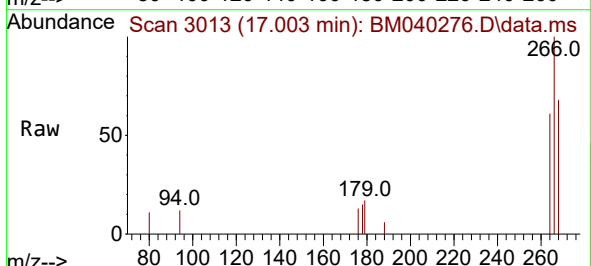
Tgt Ion:266 Resp: 1473

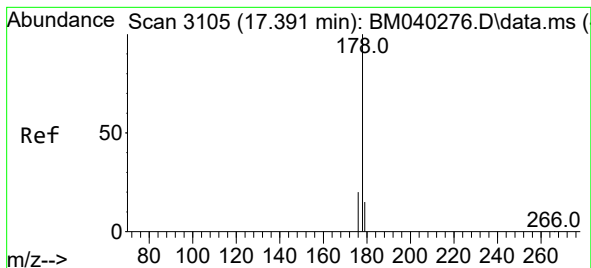
Ion Ratio Lower Upper

266 100

264 62.5 49.4 74.0

268 65.1 51.3 76.9





#15

Phenanthrene

Concen: 0.413 ng/ul

RT: 17.391 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.4121

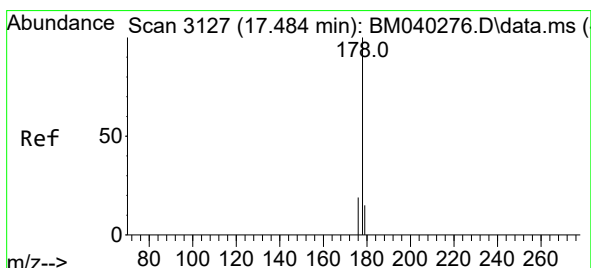
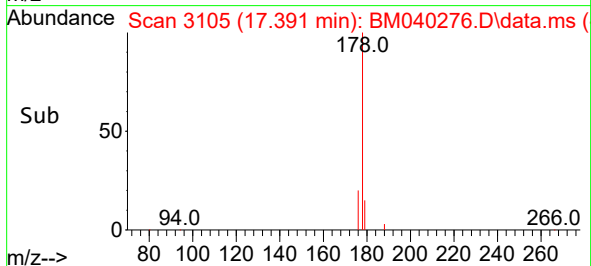
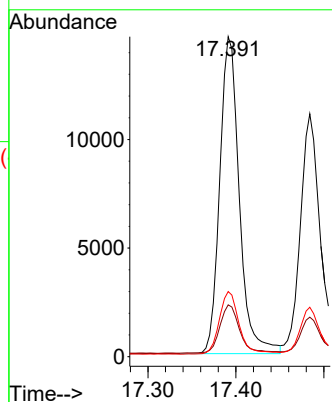
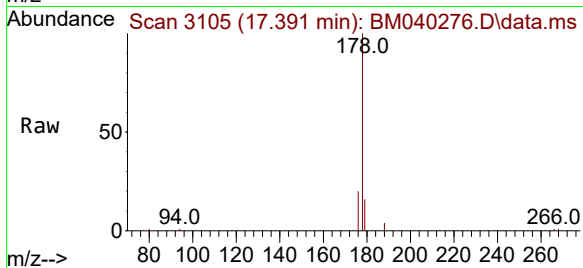
Tgt Ion:178 Resp: 22555

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 20.3 16.1 24.1



#16

Anthracene

Concen: 0.400 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

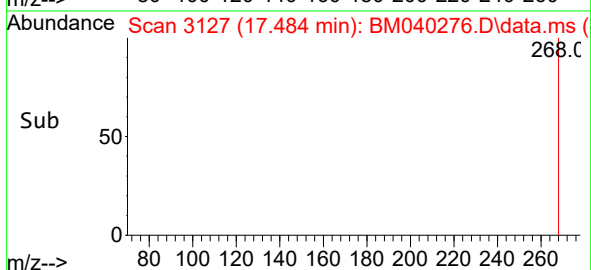
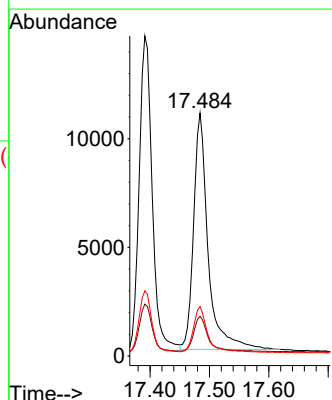
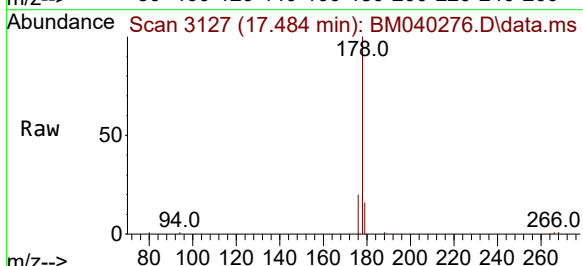
Tgt Ion:178 Resp: 18491

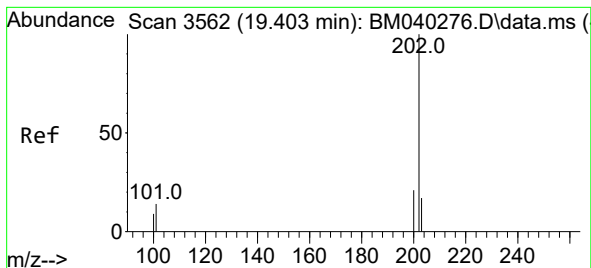
Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.4

176 20.3 15.5 23.3





#19

Fluoranthene

Concen: 0.462 ng/ul

RT: 19.403 min Scan# 3562

Delta R.T. -0.005 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

Instrument :

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ClientSampleId :

SSTD0.4121

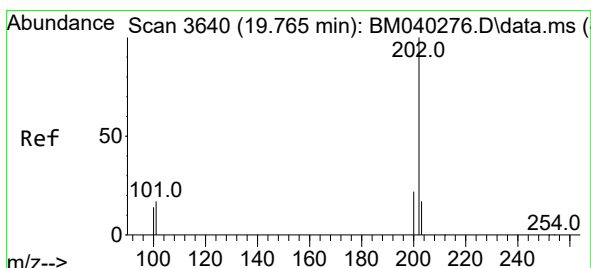
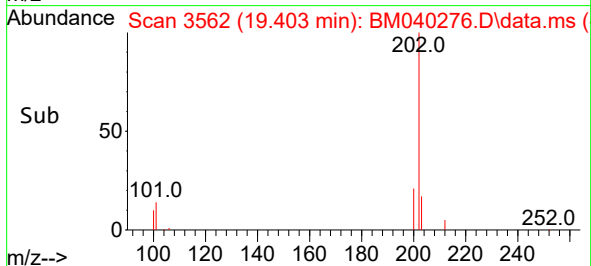
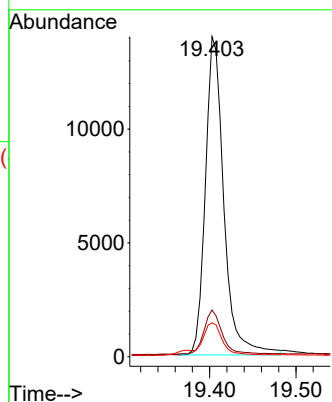
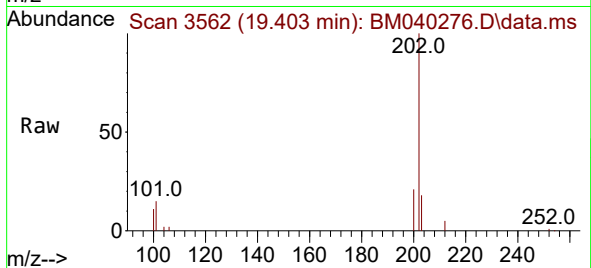
Tgt Ion:202 Resp: 20817

Ion Ratio Lower Upper

202 100

101 14.5 10.2 15.4

100 10.6 7.6 11.4



#20

Pyrene

Concen: 0.458 ng/ul

RT: 19.765 min Scan# 3640

Delta R.T. -0.005 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

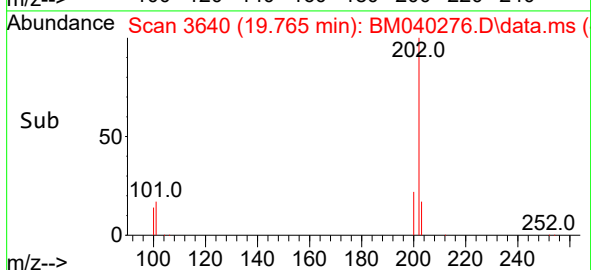
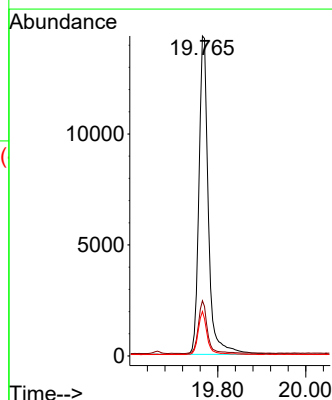
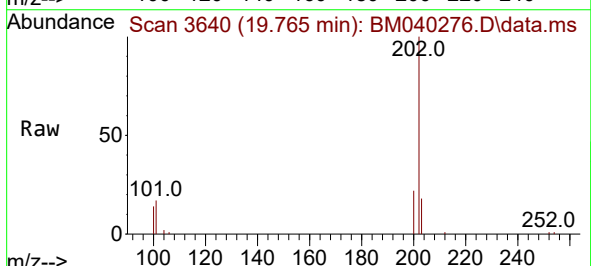
Tgt Ion:202 Resp: 21414

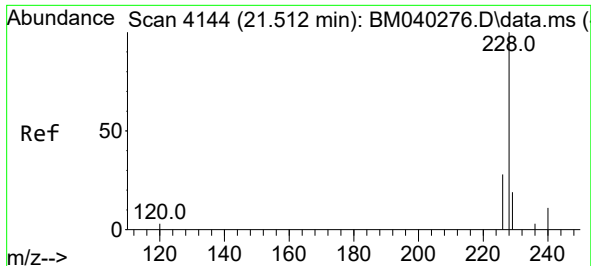
Ion Ratio Lower Upper

202 100

101 17.3 11.8 17.8

100 13.9 9.3 13.9#

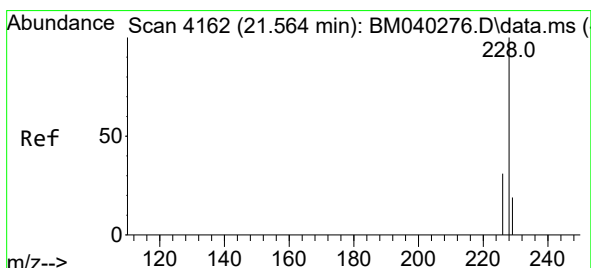
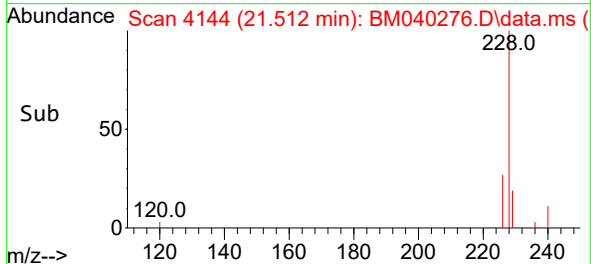
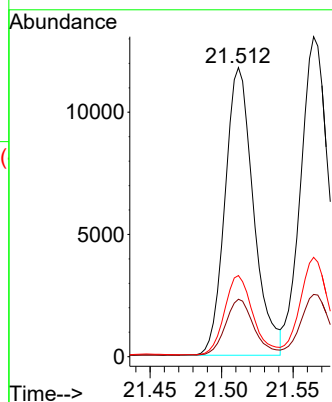
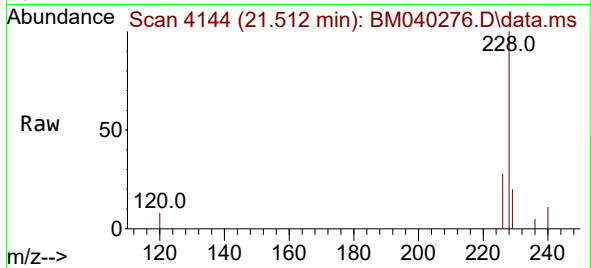




#21
Benzo(a)anthracene
Concen: 0.419 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

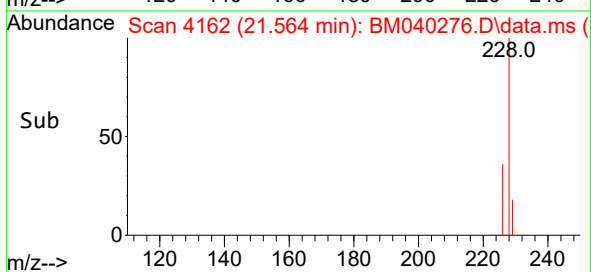
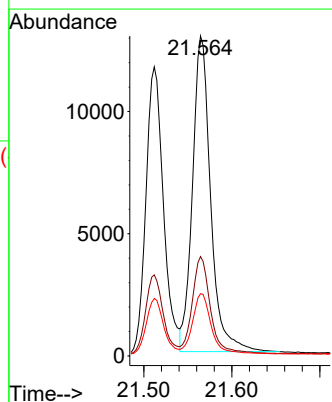
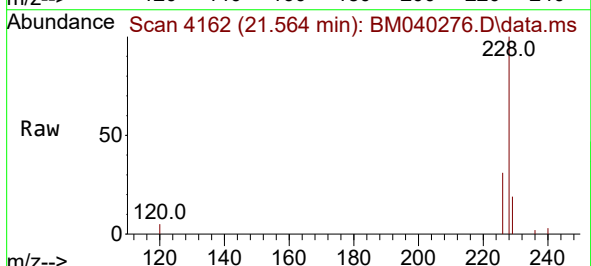
Instrument :
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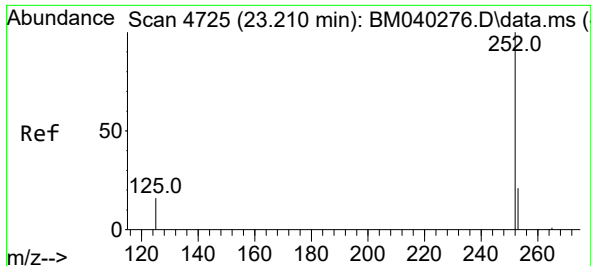
Tgt Ion:228 Resp: 16332
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.8
226 28.1 22.0 33.0



#22
Chrysene
Concen: 0.450 ng/ul
RT: 21.564 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion:228 Resp: 18556
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 19.4 15.7 23.5

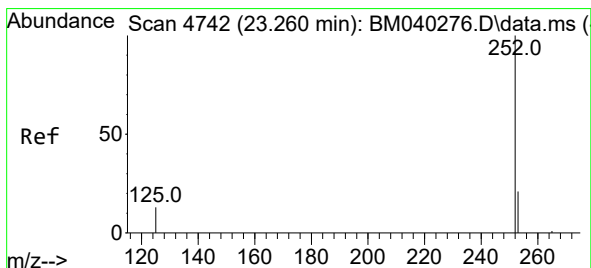
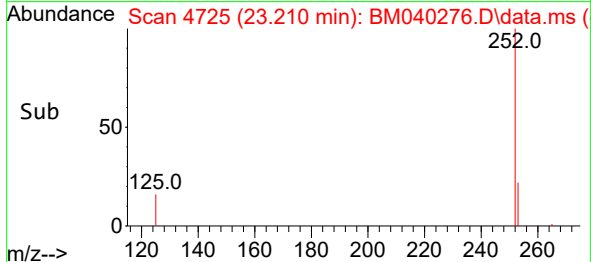
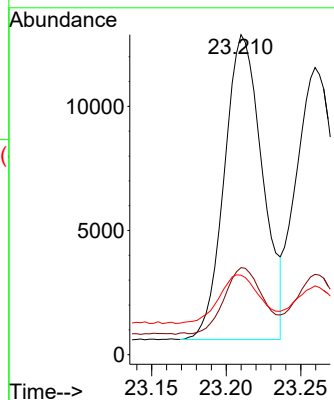
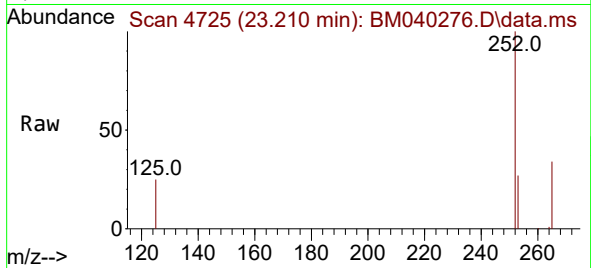




#24
Benzo(b)fluoranthene
Concen: 0.401 ng/ul
RT: 23.210 min Scan# 4725
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

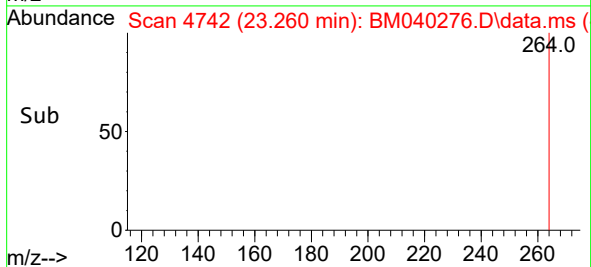
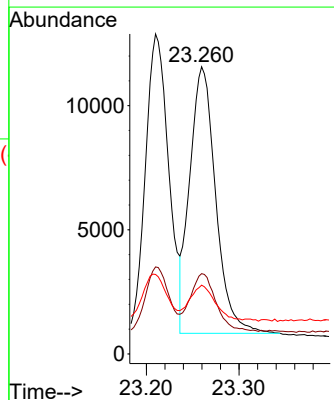
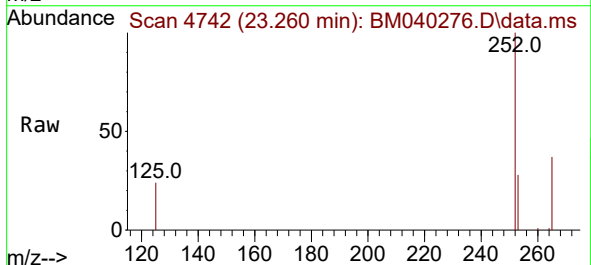
Instrument :
BNA_M
ClientSampleId :
SSTD0.4121

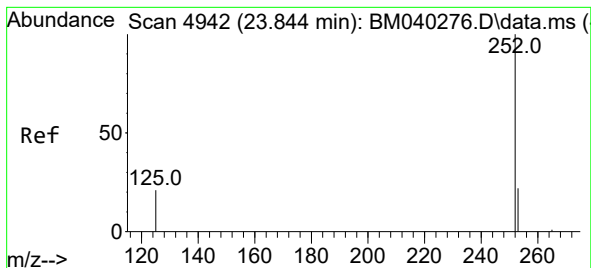
Tgt Ion:252 Resp: 21802
Ion Ratio Lower Upper
252 100
253 27.2 0.0 52.4
125 24.9 0.0 38.4



#25
Benzo(k)fluoranthene
Concen: 0.409 ng/ul
RT: 23.260 min Scan# 4742
Delta R.T. -0.006 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion:252 Resp: 20943
Ion Ratio Lower Upper
252 100
253 27.9 21.5 32.3
125 24.0 14.7 22.1#





#26

Benzo(a)pyrene

Concen: 0.415 ng/ul

RT: 23.844 min Scan# 4942

Delta R.T. -0.006 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.4121

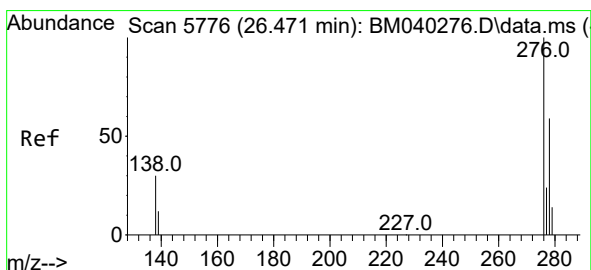
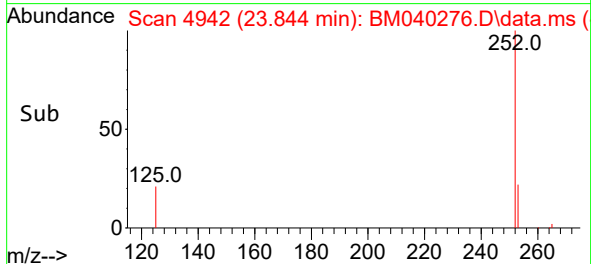
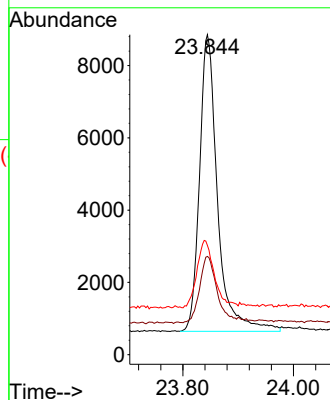
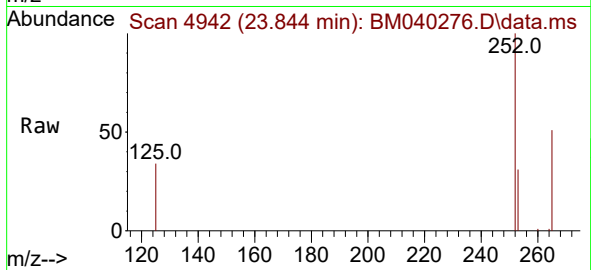
Tgt Ion:252 Resp: 18540

Ion Ratio Lower Upper

252 100

253 30.7 23.4 35.0

125 34.2 19.7 29.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.478 ng/ul

RT: 26.471 min Scan# 5776

Delta R.T. -0.007 min

Lab File: BM040276.D

Acq: 16 Jun 2023 12:13

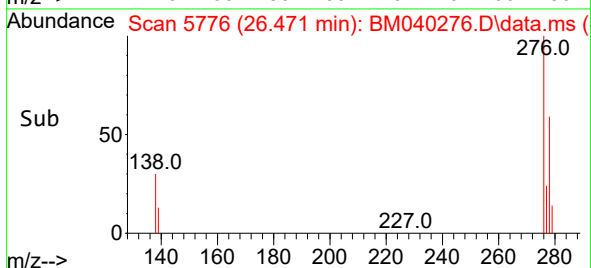
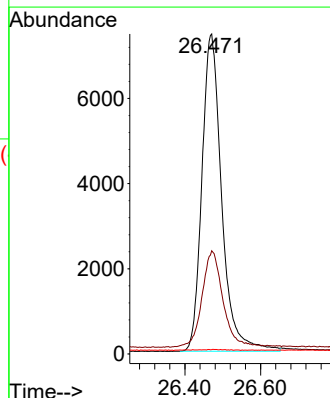
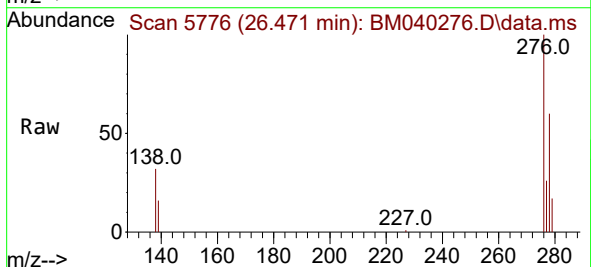
Tgt Ion:276 Resp: 27024

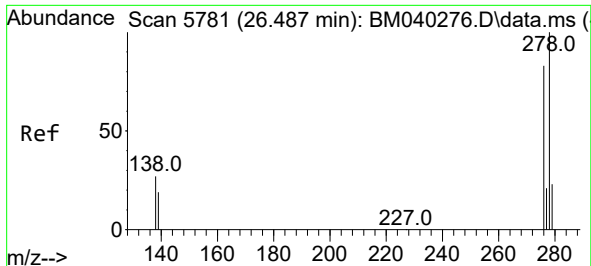
Ion Ratio Lower Upper

276 100

138 32.3 23.3 34.9

227 0.2 0.1 0.1#

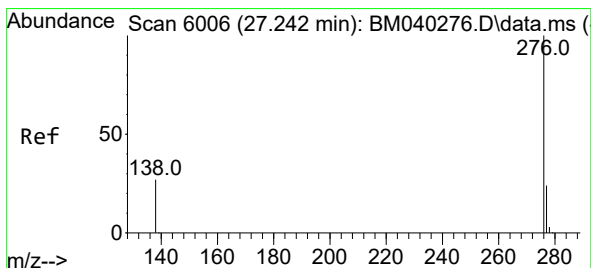
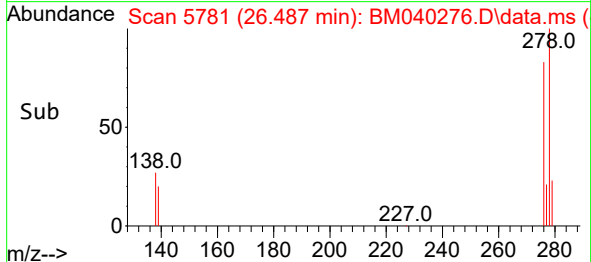
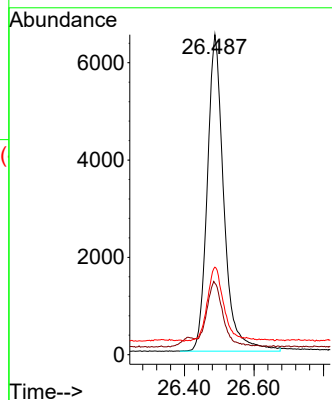
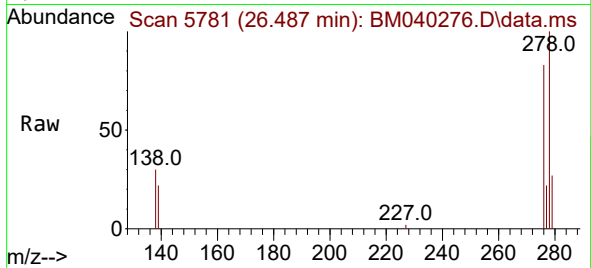




#28
Dibenzo(a,h)anthracene
Concen: 0.474 ng/ul
RT: 26.487 min Scan# 5781
Delta R.T. -0.010 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Instrument :
BNA_M
ClientSampleId :
SSTD0.4121

Tgt Ion:278 Resp: 21483
Ion Ratio Lower Upper
278 100
139 22.3 16.4 24.6
279 27.4 21.8 32.8



#29
Benzo(g,h,i)perylene
Concen: 0.493 ng/ul
RT: 27.242 min Scan# 6006
Delta R.T. -0.014 min
Lab File: BM040276.D
Acq: 16 Jun 2023 12:13

Tgt Ion:276 Resp: 23270
Ion Ratio Lower Upper
276 100
138 29.5 21.0 31.4
277 25.0 19.6 29.4

