

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039844.D
 Acq On : 05 May 2023 14:23
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4098

Quant Time: May 06 02:20:55 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 06 02:18:19 2023
 Response via : Initial Calibration

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

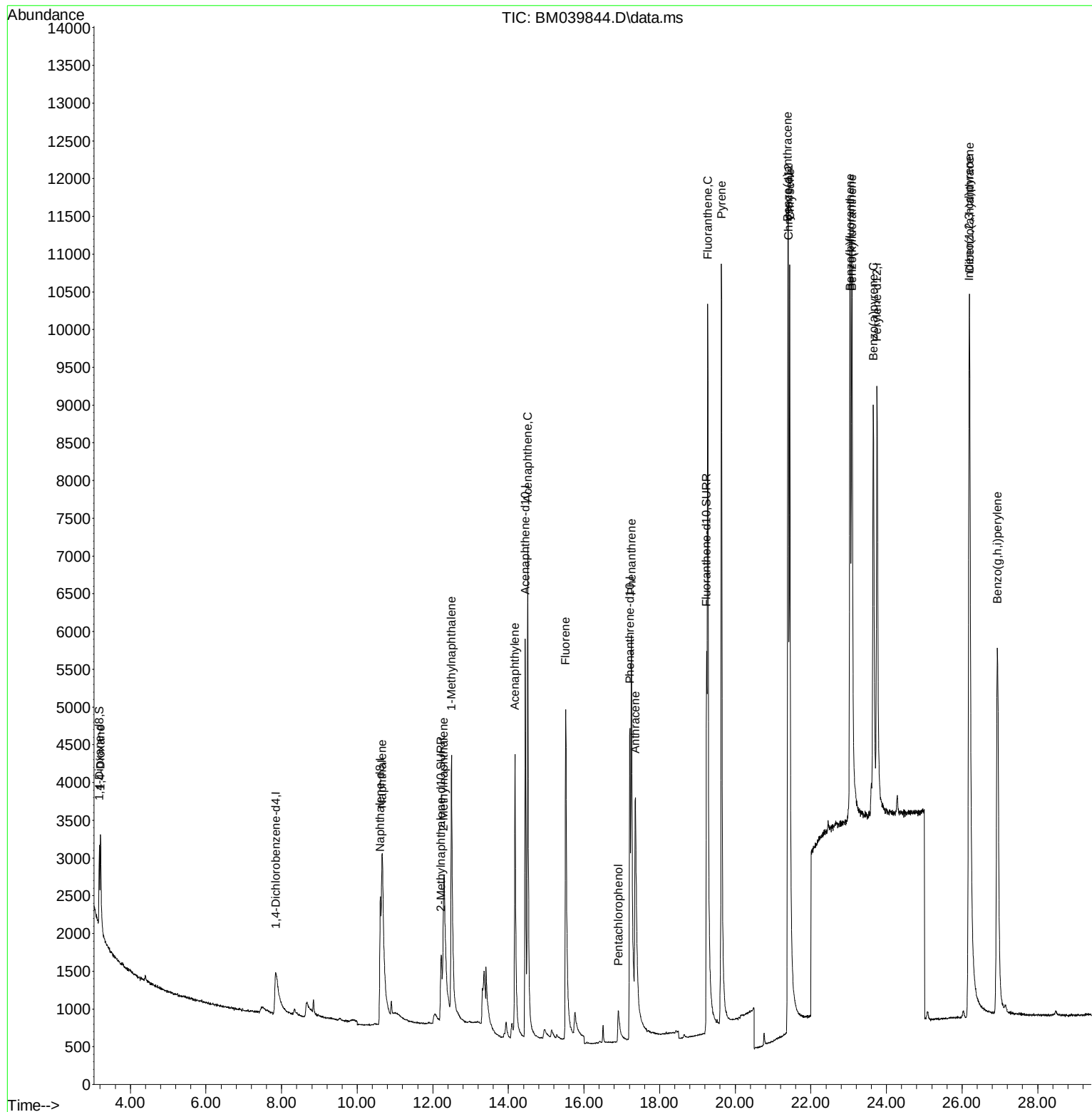
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	1337	0.400	ng/ul	0.00
4) Naphthalene-d8	10.611	136	6185	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.446	164	3904	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.212	188	7651	0.400	ng/ul	0.00
17) Chrysene-d12	21.405	240	8376	0.400	ng/ul	0.00
23) Perylene-d12	23.749	264	9400	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	800	0.406	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	3231	0.407	ng/ul	0.00
18) Fluoranthene-d10	19.243	212	8479	0.376	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.210	88	821	0.402	ng/ul#	42
5) Naphthalene	10.661	128	5965	0.384	ng/ul	95
7) 2-Methylnaphthalene	12.289	142	3529	0.394	ng/ul	99
8) 1-Methylnaphthalene	12.492	142	3895	0.405	ng/ul	100
10) Acenaphthylene	14.173	152	6806	0.450	ng/ul	98
11) Acenaphthene	14.511	153	5024	0.423	ng/ul	99
12) Fluorene	15.515	166	5378	0.408	ng/ul	99
14) Pentachlorophenol	16.908	266	755	0.453	ng/ul	99
15) Phenanthrene	17.255	178	8406	0.417	ng/ul	97
16) Anthracene	17.356	178	6953	0.402	ng/ul	97
19) Fluoranthene	19.271	202	11114	0.372	ng/ul	99
20) Pyrene	19.634	202	12560	0.389	ng/ul	98
21) Benzo(a)anthracene	21.390	228	9561	0.397	ng/ul	98
22) Chrysene	21.440	228	11854	0.435	ng/ul	99
24) Benzo(b)fluoranthene	23.036	252	12220	0.370	ng/ul	96
25) Benzo(k)fluoranthene	23.086	252	12486	0.371	ng/ul	97
26) Benzo(a)pyrene	23.650	252	11658	0.393	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.187	276	15496	0.413	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.197	278	12135	0.417	ng/ul	100
29) Benzo(g,h,i)perylene	26.932	276	13383	0.410	ng/ul	99

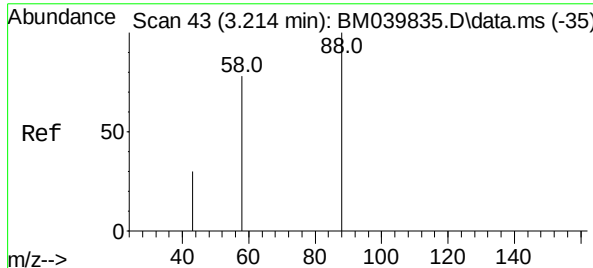
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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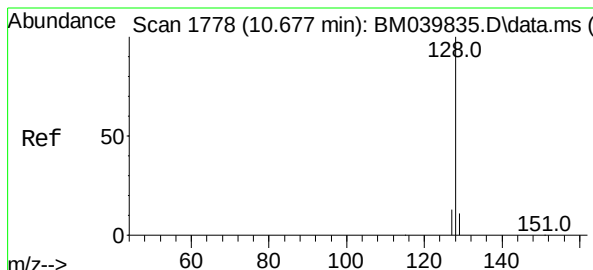
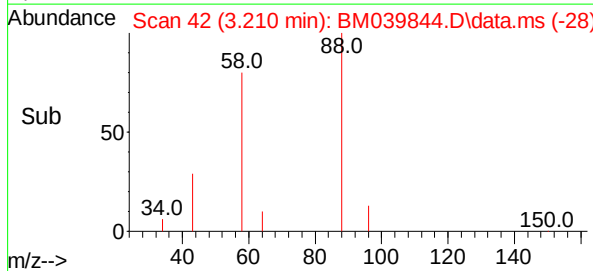
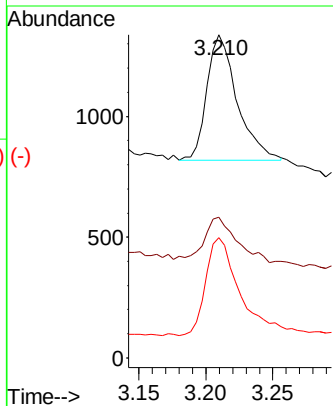
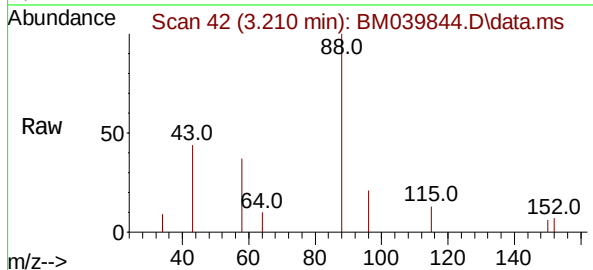




1,4-Dioxane
Concen: 0.402 ng/ul
RT: 3.210 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

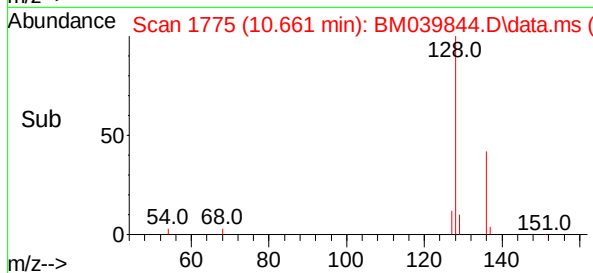
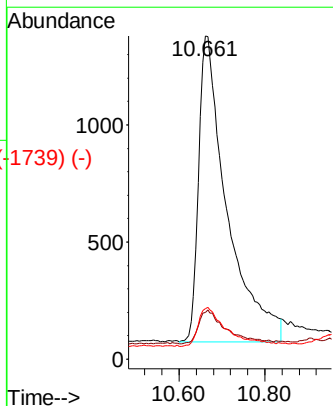
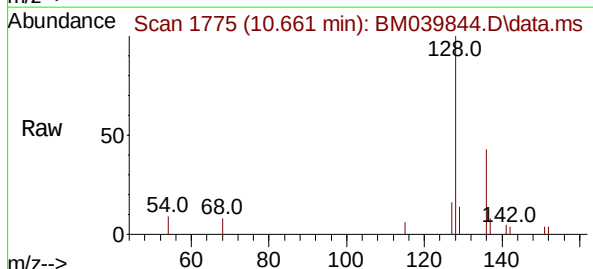
Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

Tgt Ion: 88 Resp: 821
Ion Ratio Lower Upper
88 100
43 43.6 102.6 153.8#
58 37.1 40.6 61.0#



Naphthalene
Concen: 0.384 ng/ul
RT: 10.661 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion: 128 Resp: 5965
Ion Ratio Lower Upper
128 100
129 14.4 9.8 14.6
127 15.7 11.1 16.7



Abundance Scan 2074 (12.305 min): BM039835.D\data.ms (-2074) (-)

2-Methylnaphthalene

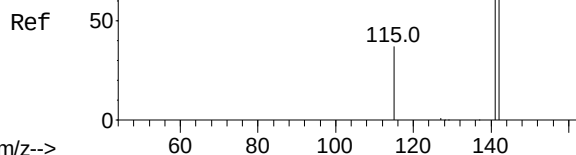
Concen: 0.394 ng/ul

RT: 12.289 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

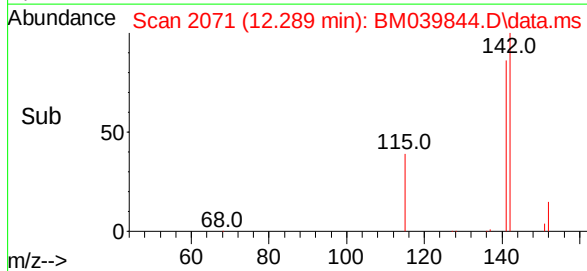
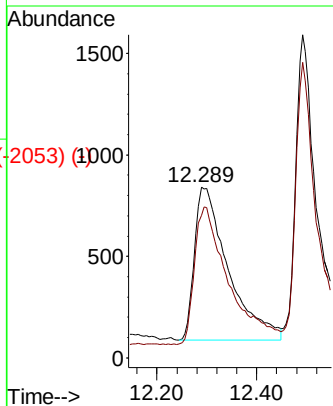
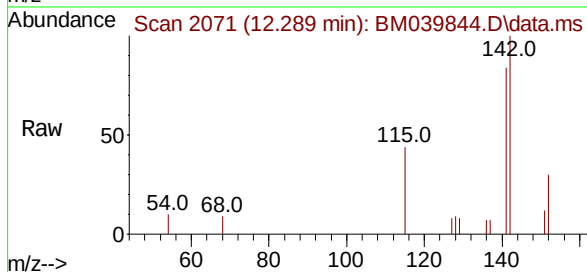


Tgt Ion:142 Resp: 3529

Ion Ratio Lower Upper

142 100

141 92.9 73.2 109.8



Abundance Scan 2110 (12.503 min): BM039835.D\data.ms (-2110) (-)

1-Methylnaphthalene

Concen: 0.405 ng/ul

RT: 12.492 min Scan# 2108

Delta R.T. 0.000 min

Lab File: BM039844.D

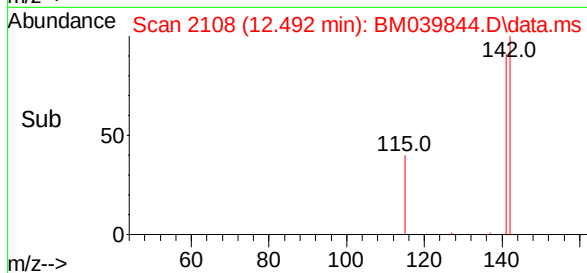
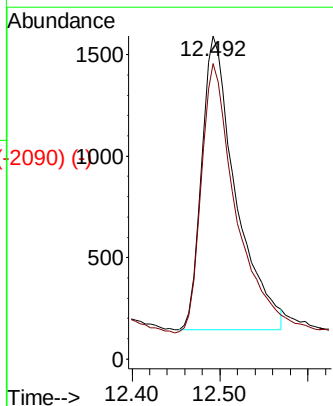
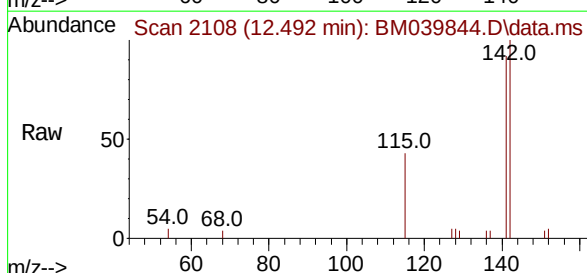
Acq: 05 May 2023 14:23

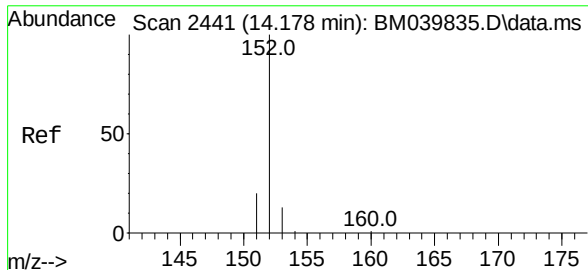
Tgt Ion:142 Resp: 3895

Ion Ratio Lower Upper

142 100

141 92.2 73.4 110.2

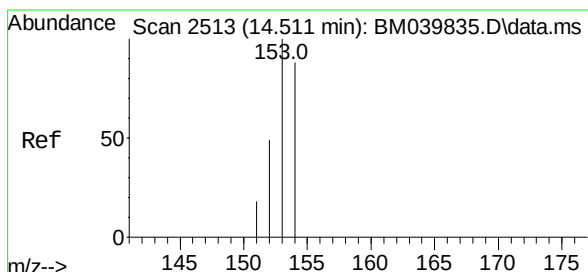
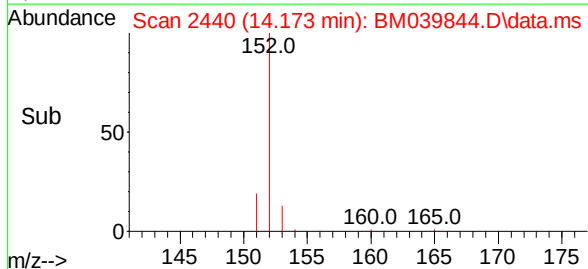
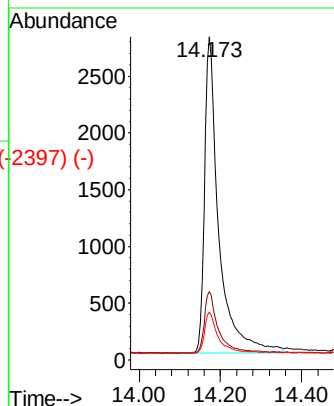
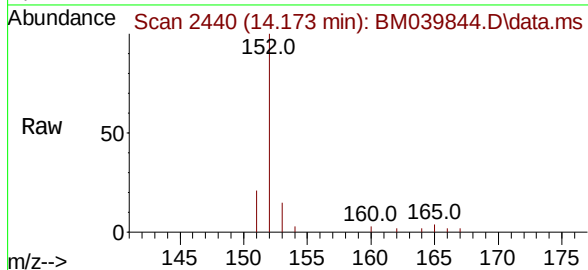




Acenaphthylene
Concen: 0.450 ng/ul
RT: 14.173 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

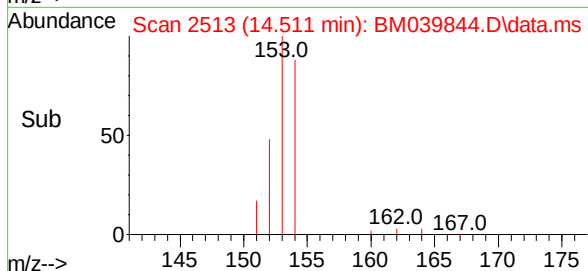
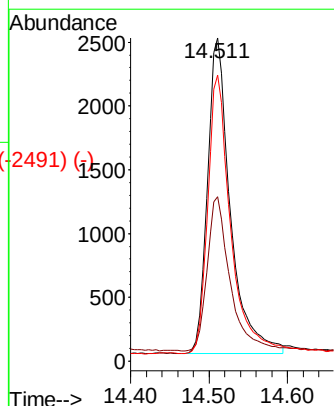
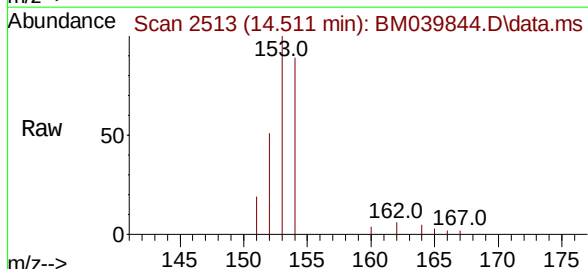
Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

Tgt Ion:	152	Resp:	6806
Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.0	24.0
153	14.9	11.2	16.8

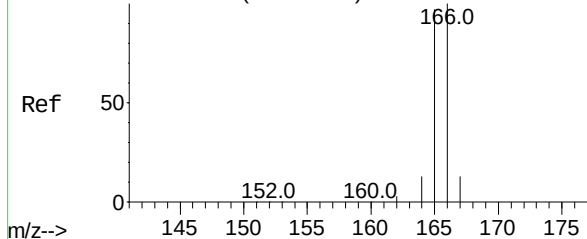


Acenaphthene
Concen: 0.423 ng/ul
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion:	153	Resp:	5024
Ion	Ratio	Lower	Upper
153	100		
152	50.9	40.6	61.0
154	88.6	71.9	107.9



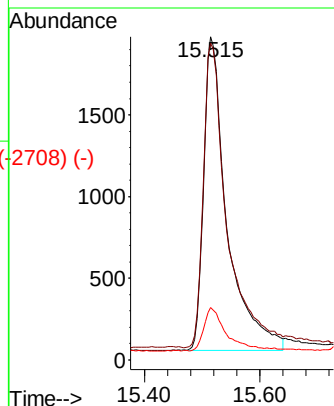
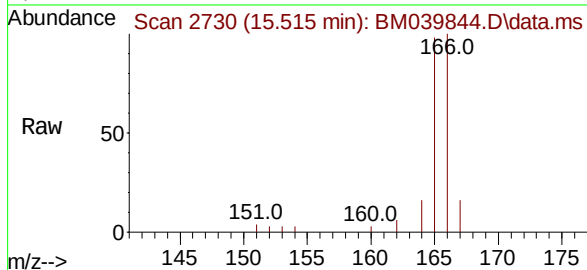
Abundance Scan 2732 (15.524 min): BM039835.D\data.ms (-2710) (-)



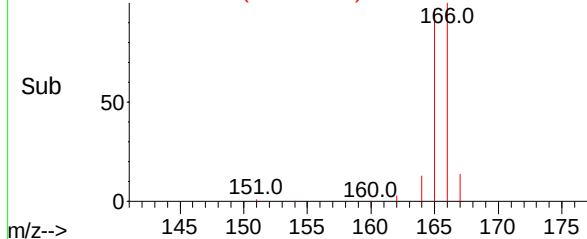
Fluorene
Concen: 0.408 ng/ul
RT: 15.515 min Scan# 2710
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

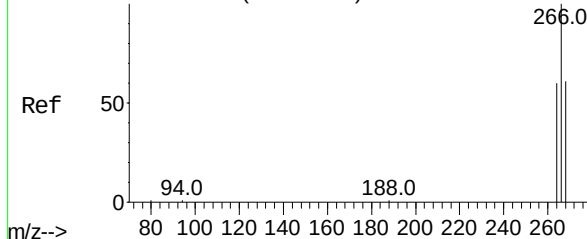
Tgt Ion:	166	Resp:	5378
Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.6
167	16.2	11.8	17.6



Abundance Scan 2730 (15.515 min): BM039844.D\data.ms (-2708) (-)

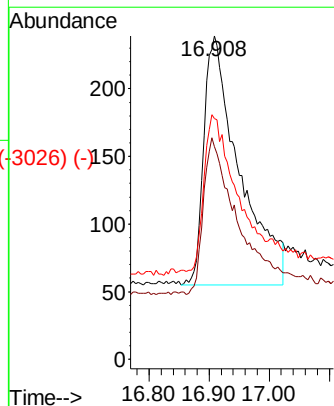
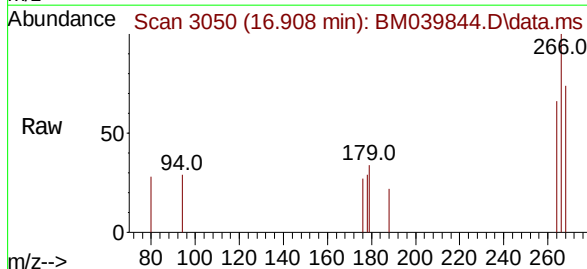


Abundance Scan 3056 (16.934 min): BM039835.D\data.ms (-3044) (-)

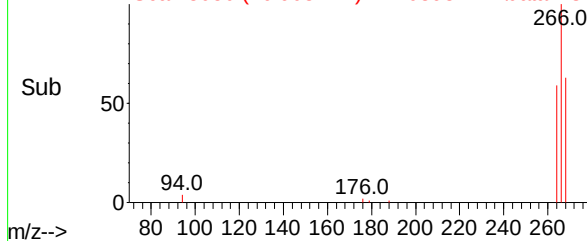


Pentachlorophenol
Concen: 0.453 ng/ul
RT: 16.908 min Scan# 3050
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion:	266	Resp:	755
Ion	Ratio	Lower	Upper
266	100		
264	61.7	48.8	73.2
268	62.3	50.4	75.6



Abundance Scan 3050 (16.908 min): BM039844.D\data.ms (-3026) (-)



Abundance Scan 3133 (17.259 min): BM039835.D\data.ms (-3115) (-)

Phenanthrene

Concen: 0.417 ng/ul

RT: 17.255 min Scan#

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4098

Tgt Ion:178 Resp: 8406

Ion Ratio Lower Upper

178 100

179 17.9 13.0 19.6

176 20.9 15.8 23.8

Abundance Scan 3132 (17.255 min): BM039844.D\data.ms

Ref 50

178.0

94.0 266.0

Raw 50

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3132 (17.255 min): BM039844.D\data.ms (-3085) (-)

Sub 50

178.0

80.0

Raw 50

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

17.255

3000

2000

1000

0

Time-->

17.20 17.30

Abundance Scan 3158 (17.364 min): BM039835.D\data.ms (-3116) (-)

Anthracene

Concen: 0.402 ng/ul

RT: 17.356 min Scan# 3156

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

Tgt Ion:178 Resp: 6953

Ion Ratio Lower Upper

178 100

179 18.1 13.8 20.6

176 21.1 15.8 23.8

Abundance Scan 3156 (17.356 min): BM039844.D\data.ms

Ref 50

178.0

94.0 266.0

Raw 50

m/z-->

0 50 100 150 200 250

Abundance Scan 3156 (17.356 min): BM039844.D\data.ms (-3132) (-)

Sub 50

178.0

94.0 266.0

Raw 50

m/z-->

0 50 100 150 200 250

Abundance

17.356

3000

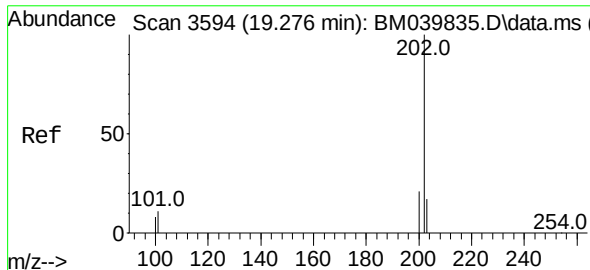
2000

1000

0

Time-->

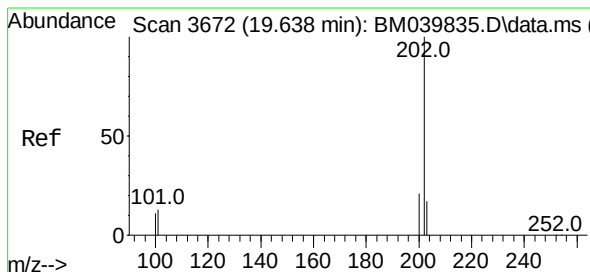
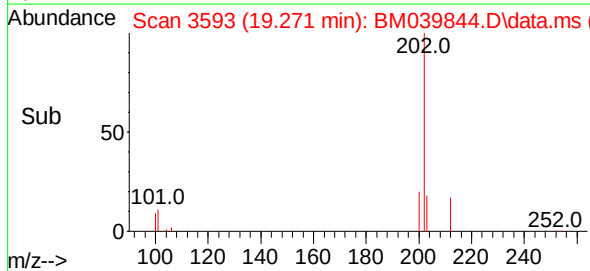
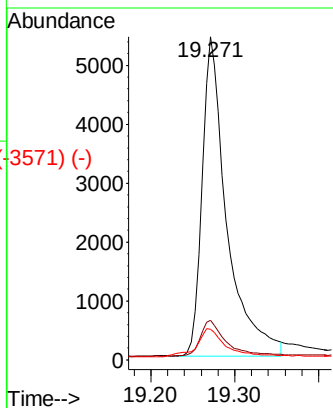
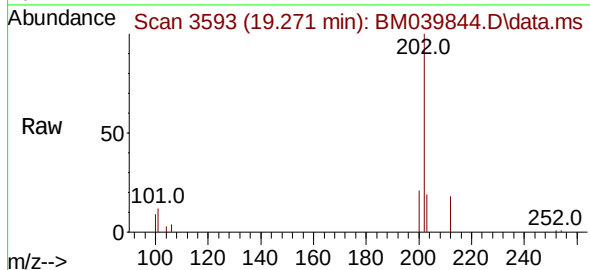
17.30 17.40 17.50



Fluoranthene
Concen: 0.372 ng/ul
RT: 19.271 min Scan# 3594
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

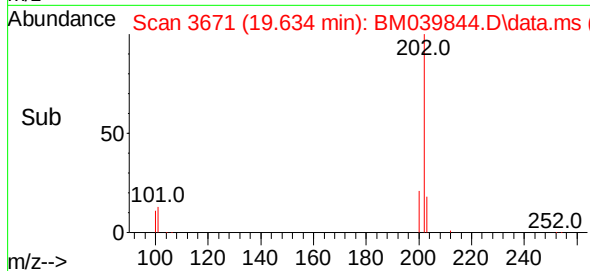
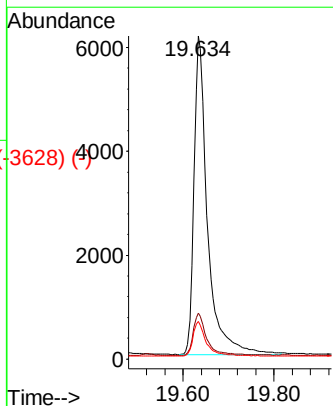
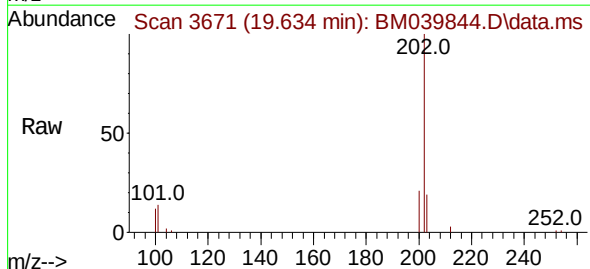
Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

Tgt Ion:	202	Resp:	11114
Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
100	9.5	7.3	10.9

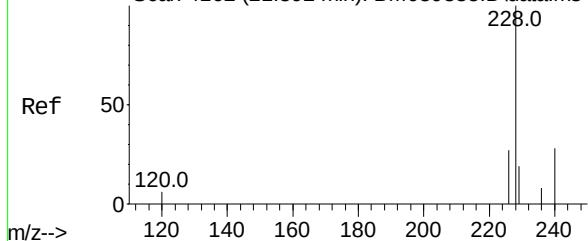


Pyrene
Concen: 0.389 ng/ul
RT: 19.634 min Scan# 3671
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion:	202	Resp:	12560
Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.8	8.9	13.3



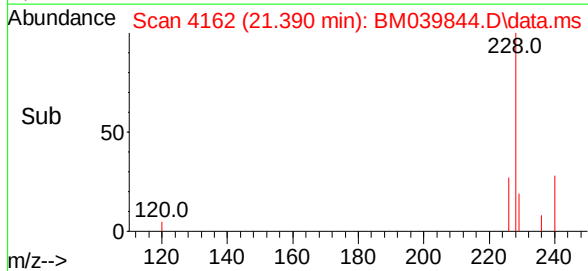
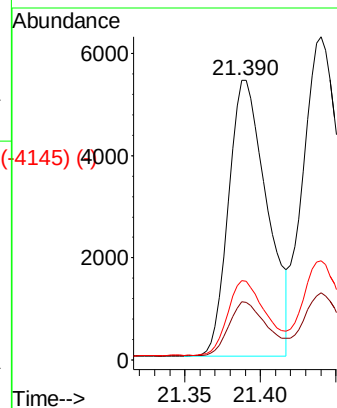
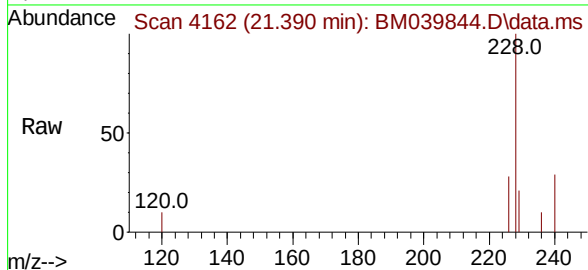
Abundance Scan 4162 (21.392 min): BM039835.D\data.ms (-4141) (-)



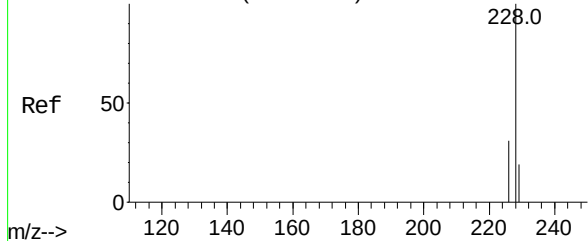
Benzo(a)anthracene
Concen: 0.397 ng/ul
RT: 21.390 min Scan# 4162
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

Tgt Ion:	228	Resp:	9561
Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.2	24.2
226	28.2	21.6	32.4

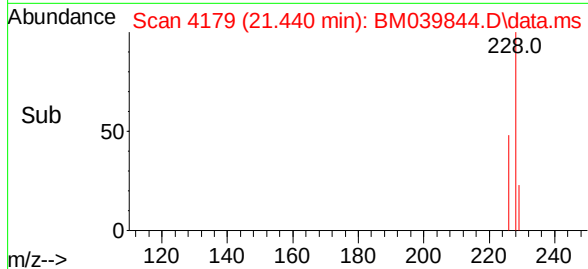
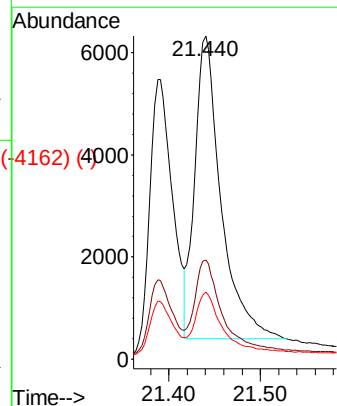
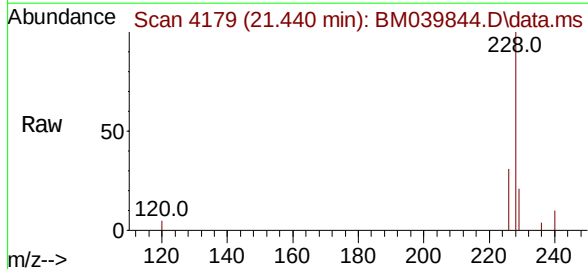


Abundance Scan 4179 (21.442 min): BM039835.D\data.ms (-4122) (-)

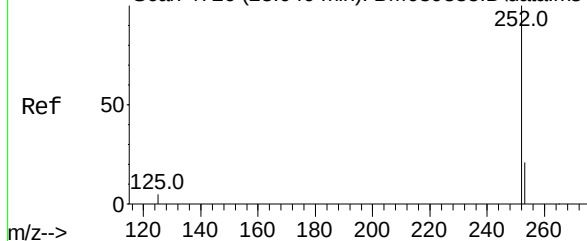


Chrysene
Concen: 0.435 ng/ul
RT: 21.440 min Scan# 4179
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion:	228	Resp:	11854
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	20.8	15.9	23.9



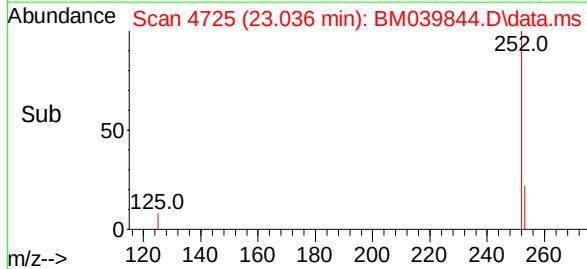
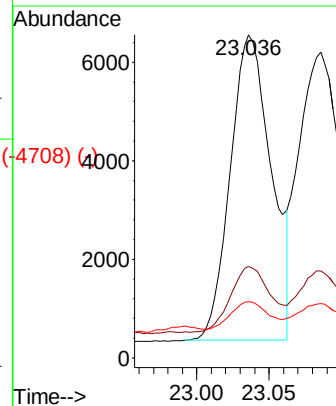
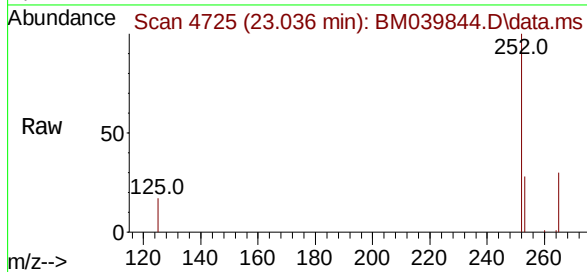
Abundance Scan 4726 (23.040 min): BM039835.D\data.ms (-4724) (-)



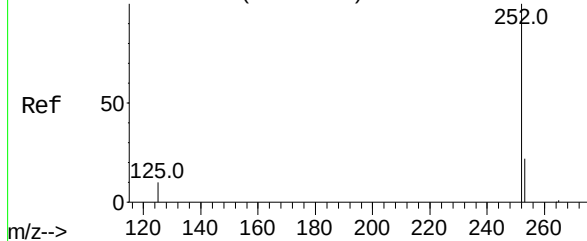
Benzo(b)fluoranthene
Concen: 0.370 ng/ul
RT: 23.036 min Scan# 4726
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Instrument :
BNA_M
ClientSampleId :
SSTD0.4098

Tgt Ion:	252	Resp:	12220
Ion	Ratio	Lower	Upper
252	100		
253	28.4	0.0	52.8
125	17.4	0.0	31.6

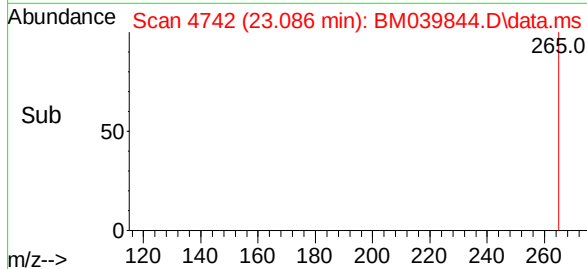
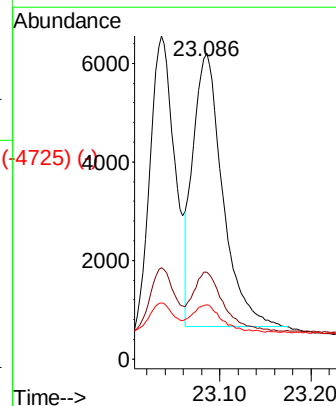
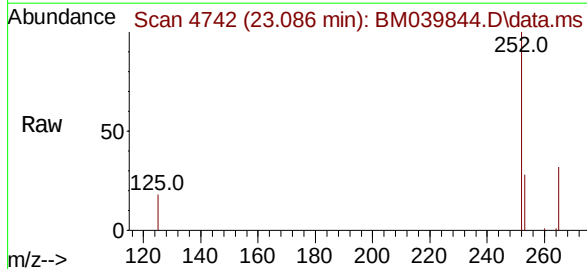


Abundance Scan 4742 (23.087 min): BM039835.D\data.ms (-4725) (-)



Benzo(k)fluoranthene
Concen: 0.371 ng/ul
RT: 23.086 min Scan# 4742
Delta R.T. 0.000 min
Lab File: BM039844.D
Acq: 05 May 2023 14:23

Tgt Ion:	252	Resp:	12486
Ion	Ratio	Lower	Upper
252	100		
253	28.4	21.3	31.9
125	17.8	13.0	19.6



Abundance Scan 4937 (23.657 min): BM039835.D\data.ms (-4920) (-)

Benzo(a)pyrene

Concen: 0.393 ng/ul

RT: 23.650 min Scan# 4935

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4098

Tgt Ion:252 Resp: 11658

Ion Ratio Lower Upper

252 100

253 32.1 24.7 37.1

125 21.7 16.5 24.7

Abundance Scan 4935 (23.650 min): BM039844.D\data.ms

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4935 (23.650 min): BM039844.D\data.ms (-4901) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.650

4000

3000

2000

1000

0

Time-->

23.60 23.80

Abundance Scan 5752 (26.192 min): BM039835.D\data.ms (-5728) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.413 ng/ul

RT: 26.187 min Scan# 5751

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

Tgt Ion:276 Resp: 15496

Ion Ratio Lower Upper

276 100

138 25.7 21.1 31.7

227 0.1 0.1 0.1#

Abundance Scan 5751 (26.187 min): BM039844.D\data.ms

Ref 50

138.0

227.0

276.0

Raw 50

138.0

227.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5751 (26.187 min): BM039844.D\data.ms (-5691) (-)

Ref 50

138.0

227.0

276.0

Sub 50

138.0

227.0

m/z-->

140 160 180 200 220 240 260 280

Abundance

26.187

4000

3000

2000

1000

0

Time-->

26.00 26.20 26.40

Abundance Scan 5758 (26.213 min): BM039835.D\data.ms (-5728) (-)

Dibenzo(a,h)anthracene

Concen: 0.417 ng/ul

RT: 26.197 min Scan# 5754

Delta R.T. 0.000 min

Lab File: BM039844.D

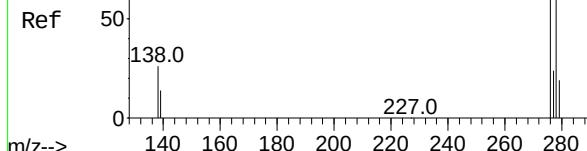
Acq: 05 May 2023 14:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.4098



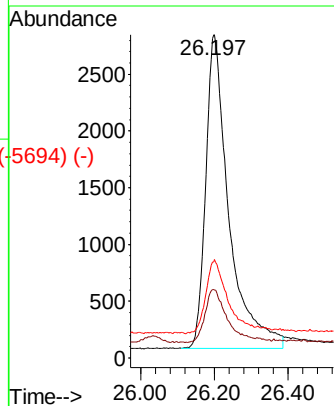
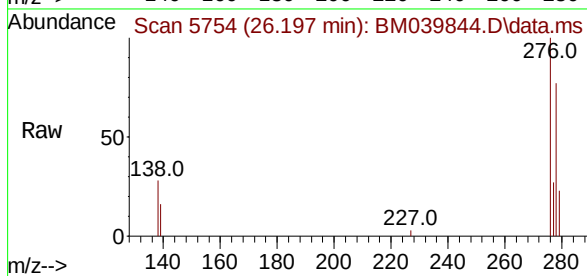
Tgt Ion:278 Resp: 12135

Ion Ratio Lower Upper

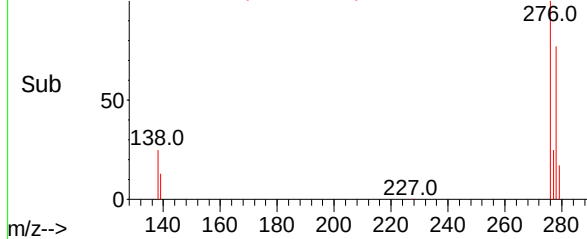
278 100

139 21.2 17.0 25.6

279 29.6 23.4 35.2



Abundance Scan 5754 (26.197 min): BM039844.D\data.ms (-5694) (-)



Abundance Scan 5977 (26.947 min): BM039835.D\data.ms (-5949) (-)

Benzo(g,h,i)perylene

Concen: 0.410 ng/ul

RT: 26.932 min Scan# 5973

Delta R.T. 0.000 min

Lab File: BM039844.D

Acq: 05 May 2023 14:23

Tgt Ion:276 Resp: 13383

Ion Ratio Lower Upper

276 100

138 25.2 20.1 30.1

277 26.5 20.1 30.1

