

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039851.D
 Acq On : 05 May 2023 18:45
 Operator : CG/JU
 Sample : 02479-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW973

Quant Time: May 06 02:48:13 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 02:22:07 2023
 Response via : Initial Calibration

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

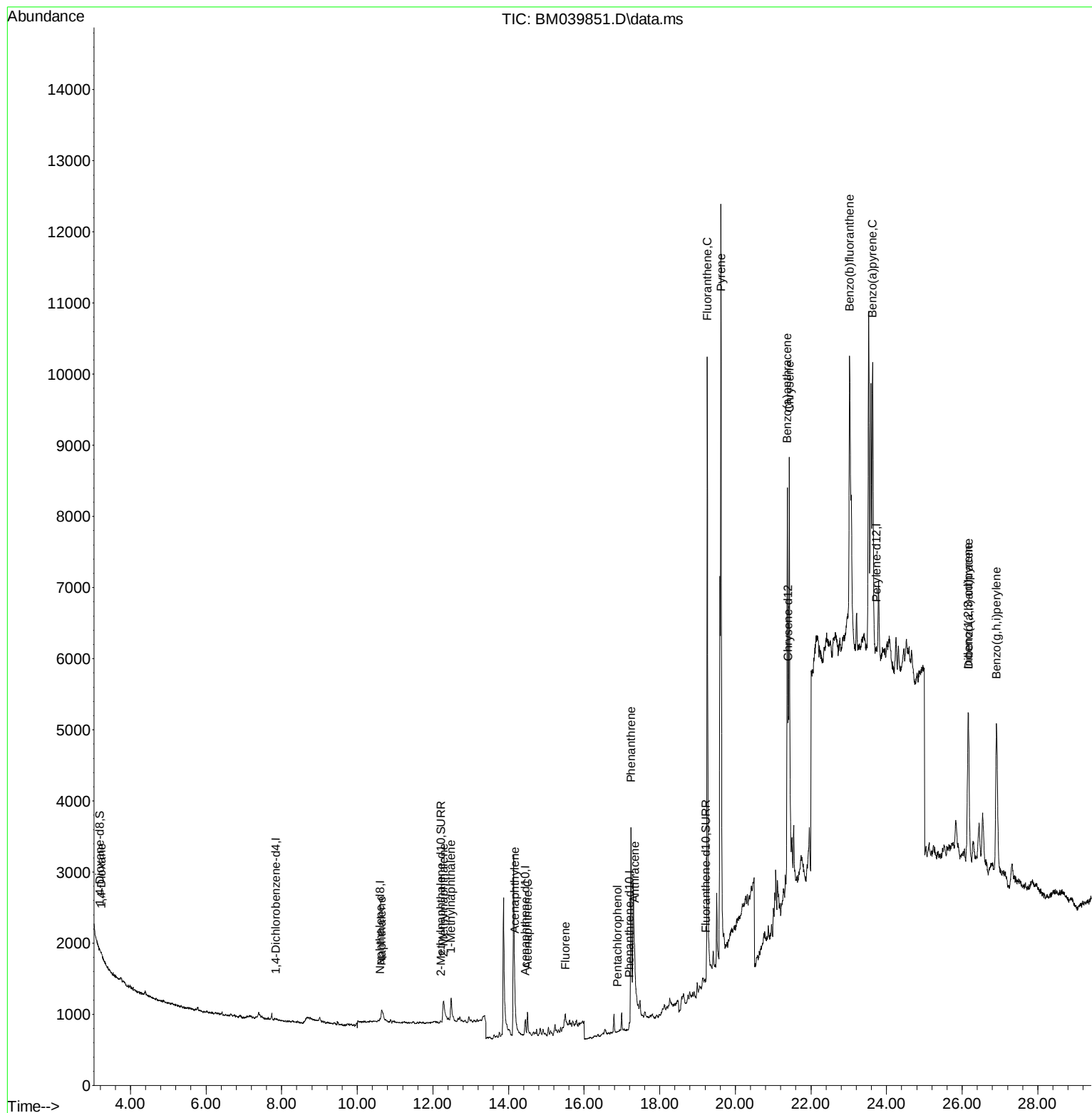
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.850	152	5	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.606	136	140	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.446	164	112	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.200	188	137	0.400	ng/ul	#-0.01
17) Chrysene-d12	21.392	240	231	0.400	ng/ul	#-0.01
23) Perylene-d12	23.736	264	138	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	28	3.800	ng/ul	0.01
6) 2-Methylnaphthalene-d10	12.212	152	10	0.056	ng/ul	0.00
18) Fluoranthene-d10	19.229	212	59	0.095	ng/ul	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.231	88	30	3.930	ng/ul#	60
5) Naphthalene	10.650	128	561	1.596	ng/ul#	33
7) 2-Methylnaphthalene	12.283	142	680	3.351	ng/ul	96
8) 1-Methylnaphthalene	12.481	142	330	1.516	ng/ul	100
10) Acenaphthylene	14.164	152	612	1.412	ng/ul#	48
11) Acenaphthene	14.506	153	250	0.734	ng/ul#	83
12) Fluorene	15.505	166	258	0.683	ng/ul#	75
14) Pentachlorophenol	16.883	266	6	0.201	ng/ul	94
15) Phenanthrene	17.242	178	4515	12.509	ng/ul#	93
16) Anthracene	17.339	178	925	2.985	ng/ul#	66
19) Fluoranthene	19.262	202	9410	11.418	ng/ul	100
20) Pyrene	19.624	202	10889	12.235	ng/ul	98
21) Benzo(a)anthracene	21.375	228	6481	9.758	ng/ul#	77
22) Chrysene	21.430	228	6155	8.189	ng/ul#	79
24) Benzo(b)fluoranthene	23.023	252	7042	14.530	ng/ul#	52
26) Benzo(a)pyrene	23.631	252	6402	14.713	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	26.162	276	3517	6.392	ng/ul	100
28) Dibenzo(a,h)anthracene	26.169	278	1481	3.468	ng/ul#	1
29) Benzo(g,h,i)perylene	26.910	276	4918	10.258	ng/ul#	67

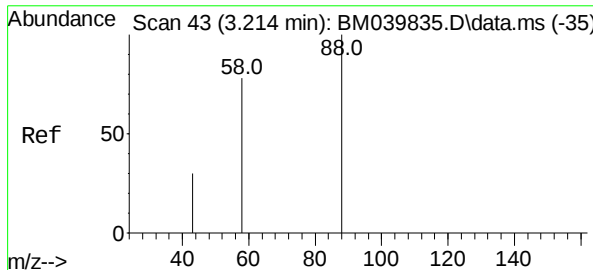
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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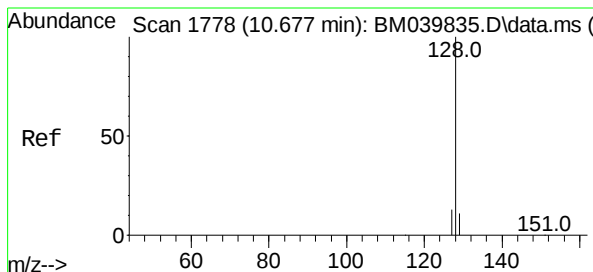
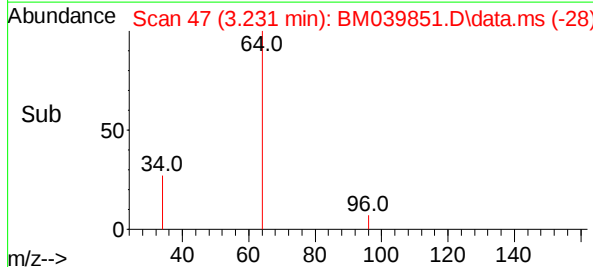
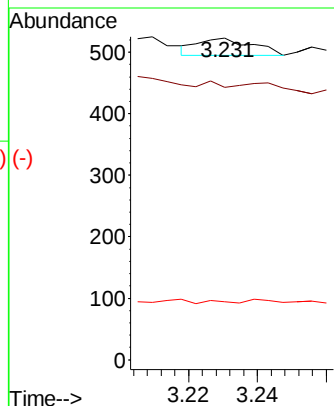
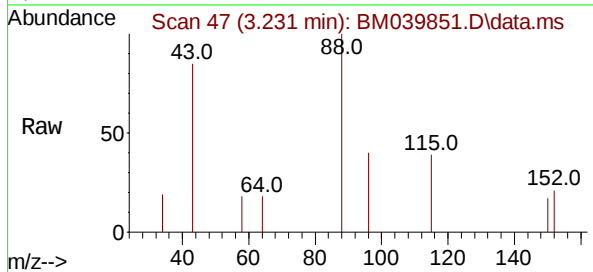




1,4-Dioxane
 Concen: 3.930 ng/ul
 RT: 3.231 min Scan# 4
 Delta R.T. 0.021 min
 Lab File: BM039851.D
 Acq: 05 May 2023 18:45

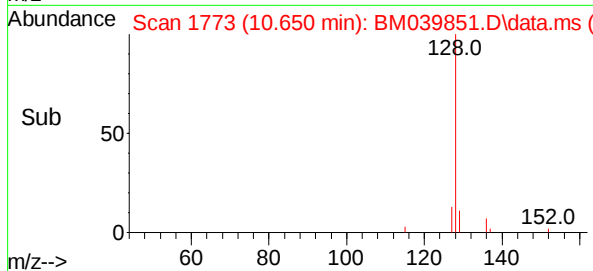
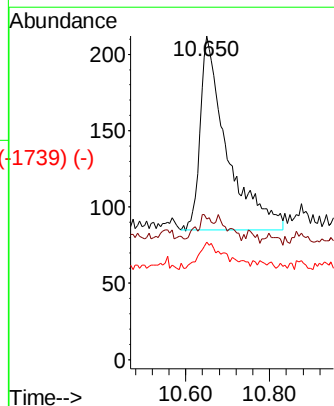
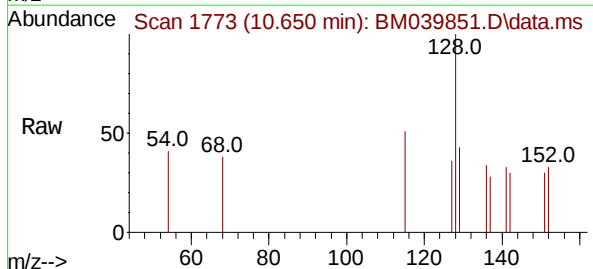
Instrument :
 BNA_M
 ClientSampleId :
 EW973

Tgt Ion: 88 Resp: 30
 Ion Ratio Lower Upper
 88 100
 43 84.7 102.6 153.8#
 58 18.0 40.6 61.0#



Naphthalene
 Concen: 1.596 ng/ul
 RT: 10.650 min Scan# 1773
 Delta R.T. -0.011 min
 Lab File: BM039851.D
 Acq: 05 May 2023 18:45

Tgt Ion: 128 Resp: 561
 Ion Ratio Lower Upper
 128 100
 129 43.4 9.8 14.6#
 127 36.3 11.1 16.7#



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

2-Methylnaphthalene

Concen: 3.351 ng/u1

RT: 12.283 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Instrument :

BNA_M

ClientSampleId :

EW973

Tgt Ion:142 Resp: 680

Ion Ratio Lower Upper

142 100

141 87.9 73.2 109.8

Abundance Scan 2070 (12.283 min): BM039851.D\data.ms

Ref

54.0 68.0 115.0 142.0

m/z-->

Raw

54.0 68.0 115.0 142.0

m/z-->

Sub

54.0 68.0 115.0 142.0

m/z-->

Abundance

12.283

200

150

100

50

0

Time-->

Abundance Scan 2070 (12.283 min): BM039851.D\data.ms (-2053) (-)

Ref

115.0 142.0

m/z-->

Sub

115.0 142.0

m/z-->

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

1-Methylnaphthalene

Concen: 1.516 ng/u1

RT: 12.481 min Scan# 2106

Delta R.T. -0.011 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Tgt Ion:142 Resp: 330

Ion Ratio Lower Upper

142 100

141 91.8 73.4 110.2

Abundance Scan 2106 (12.481 min): BM039851.D\data.ms

Ref

54.0 68.0 115.0 142.0

m/z-->

Raw

54.0 68.0 115.0 142.0

m/z-->

Sub

54.0 68.0 115.0 142.0

m/z-->

Abundance

12.481

200

150

100

50

0

Time-->

Abundance Scan 2106 (12.481 min): BM039851.D\data.ms (-2090) (-)

Ref

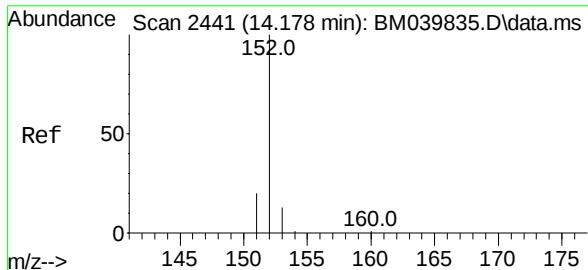
115.0 142.0

m/z-->

Sub

115.0 142.0

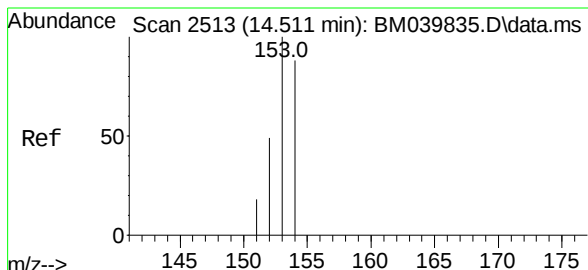
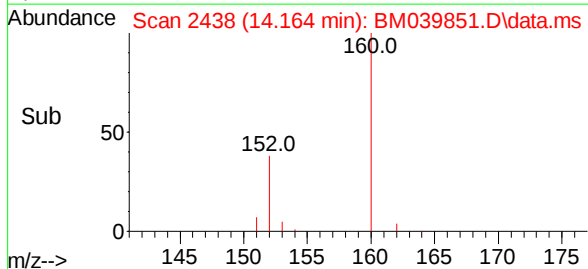
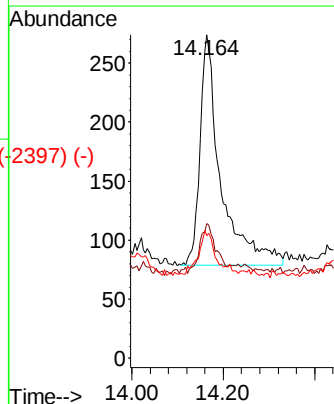
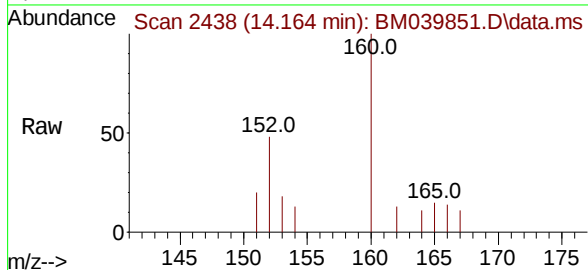
m/z-->



Acenaphthylene
Concen: 1.412 ng/ul
RT: 14.164 min Scan# 2512
Delta R.T. -0.009 min
Lab File: BM039851.D
Acq: 05 May 2023 18:45

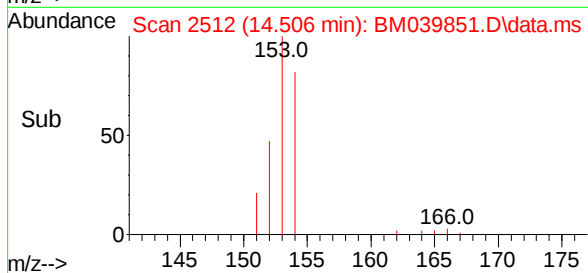
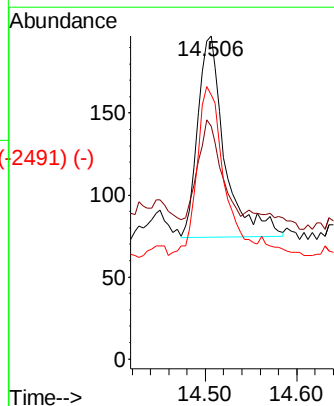
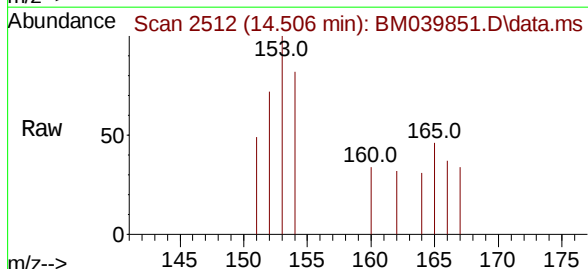
Instrument :
BNA_M
ClientSampleId :
EW973

Tgt Ion:	152	Resp:	612
Ion	Ratio	Lower	Upper
152	100		
151	41.6	16.0	24.0#
153	38.0	11.2	16.8#



Acenaphthene
Concen: 0.734 ng/ul
RT: 14.506 min Scan# 2512
Delta R.T. -0.005 min
Lab File: BM039851.D
Acq: 05 May 2023 18:45

Tgt Ion:	153	Resp:	250
Ion	Ratio	Lower	Upper
153	100		
152	72.1	40.6	61.0#
154	81.7	71.9	107.9



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

Fluorene

Concen: 0.683 ng/ul

RT: 15.505 min Scan# 2710

Delta R.T. -0.009 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Instrument :

BNA_M

ClientSampleId :

EW973

Tgt Ion:166 Resp: 258

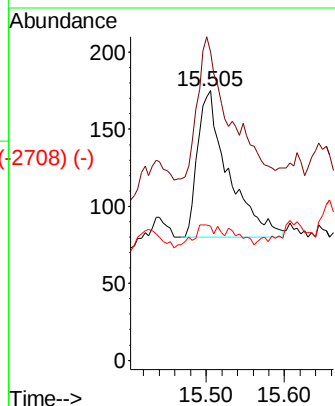
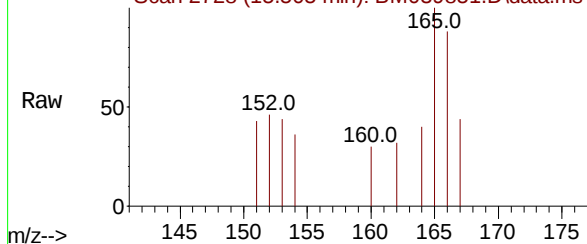
Ion Ratio Lower Upper

166 100

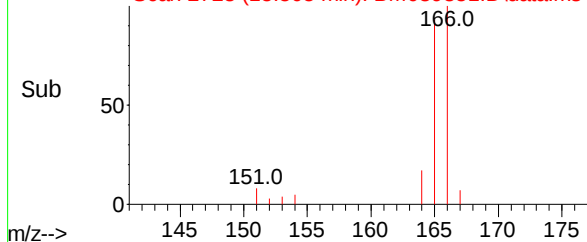
165 114.3 79.0 118.6

167 49.7 11.8 17.6#

Abundance Scan 2728 (15.505 min): BM039851.D\data.ms



Abundance Scan 2728 (15.505 min): BM039851.D\data.ms (-2708) (-)



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

Pentachlorophenol

Concen: 0.201 ng/ul

RT: 16.883 min Scan# 3044

Delta R.T. -0.025 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Tgt Ion:266 Resp: 6

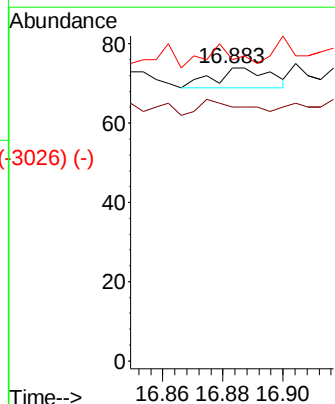
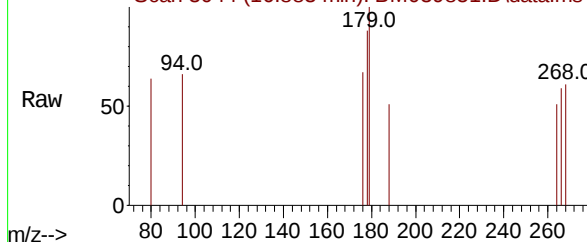
Ion Ratio Lower Upper

266 100

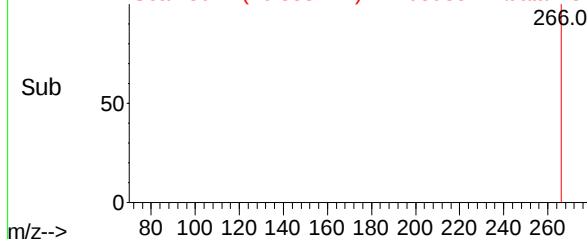
264 66.7 48.8 73.2

268 66.7 50.4 75.6

Abundance Scan 3044 (16.883 min): BM039851.D\data.ms



Abundance Scan 3044 (16.883 min): BM039851.D\data.ms (-3026) (-)



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

Phenanthrene

Concen: 12.509 ng/u1

RT: 17.242 min Scan#

Delta R.T. -0.013 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Instrument :

BNA_M

ClientSampleId :

EW973

Tgt Ion:178 Resp: 4515

Ion Ratio Lower Upper

178 100

179 19.9 13.0 19.6#

176 22.4 15.8 23.8

Abundance Scan 3129 (17.242 min): BM039851.D\data.ms

Ref 50

178.0

Raw 50

94.0 268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3129 (17.242 min): BM039851.D\data.ms (-3085) (-)

Sub 50

178.0

94.0 268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

17.242

2000

1500

1000

500

0

Time-->

17.20 17.30

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

Anthracene

Concen: 2.985 ng/u1

RT: 17.339 min Scan# 3152

Delta R.T. -0.017 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Tgt Ion:178 Resp: 925

Ion Ratio Lower Upper

178 100

179 35.9 13.8 20.6#

176 31.6 15.8 23.8#

Abundance Scan 3152 (17.339 min): BM039851.D\data.ms

Ref 50

178.0

Raw 50

94.0 268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3152 (17.339 min): BM039851.D\data.ms (-3132) (-)

Sub 50

188.0

94.0 264.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

17.339

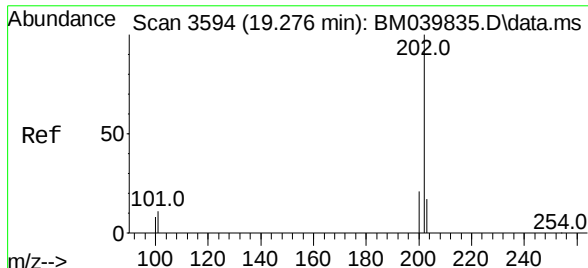
1000

500

0

Time-->

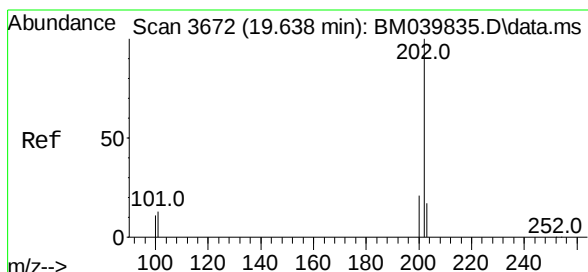
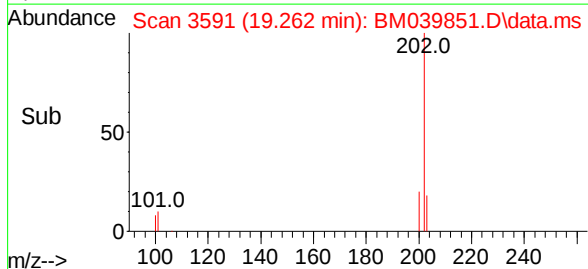
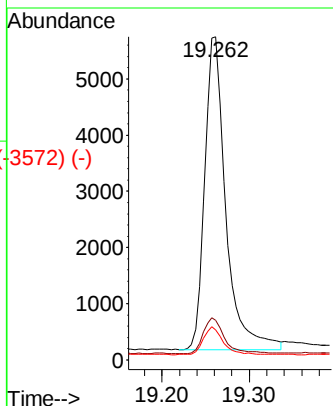
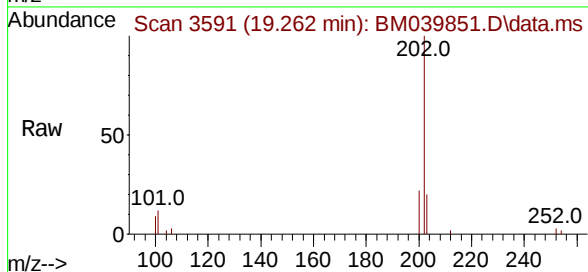
17.30 17.40



Scan 3594 (19.276 min): BM039835.D\data.ms (-3519) (-)
Fluoranthene
 Concen: 11.418 ng/ul
 RT: 19.262 min Scan# 3591
 Delta R.T. -0.009 min
 Lab File: BM039851.D
 Acq: 05 May 2023 18:45

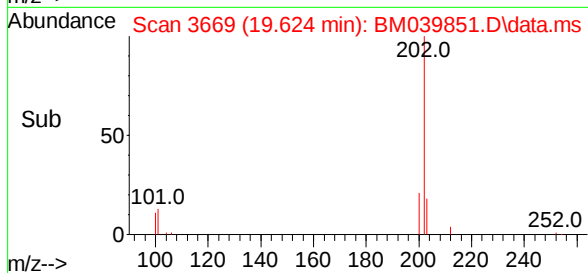
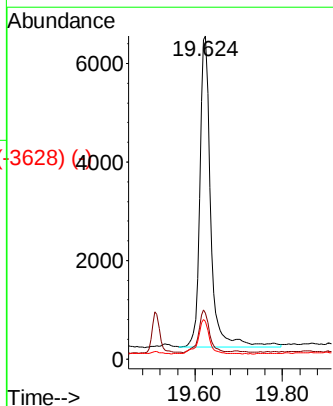
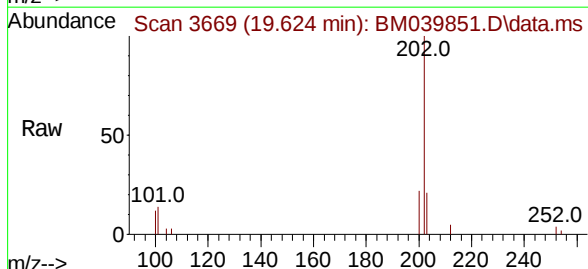
Instrument :
 BNA_M
ClientSampleId :
 EW973

Tgt Ion:	202	Resp:	9410
Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
100	9.3	7.3	10.9

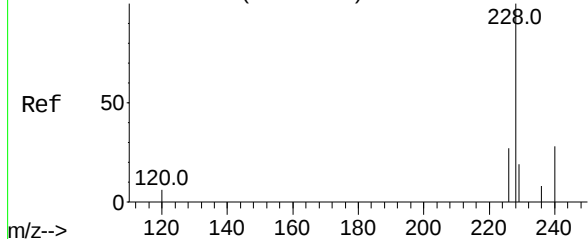


Scan 3672 (19.638 min): BM039835.D\data.ms (-3629) (-)
Pyrene
 Concen: 12.235 ng/ul
 RT: 19.624 min Scan# 3669
 Delta R.T. -0.009 min
 Lab File: BM039851.D
 Acq: 05 May 2023 18:45

Tgt Ion:	202	Resp:	10889
Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.9	16.3
100	11.7	8.9	13.3



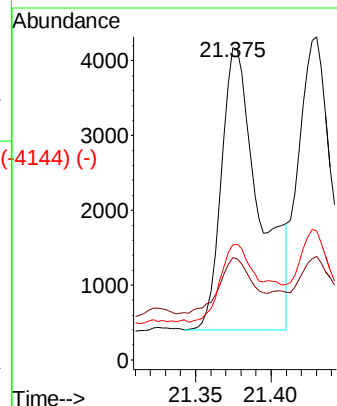
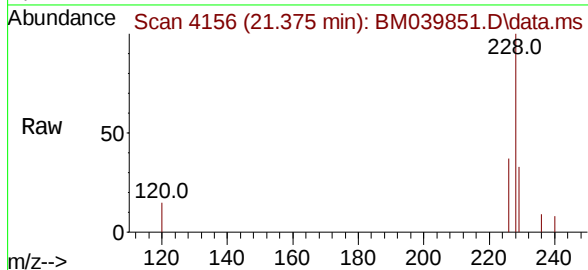
Abundance Scan 4162 (21.392 min): BM039835.D\data.ms (-4144) (-)



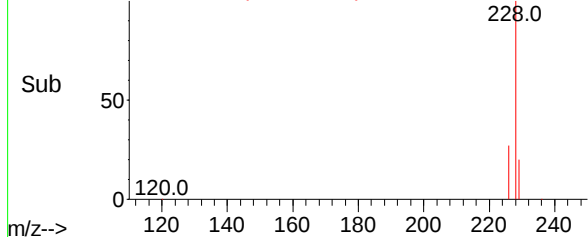
Benzo(a)anthracene
Concen: 9.758 ng/u1
RT: 21.375 min Scan# 4156
Delta R.T. -0.016 min
Lab File: BM039851.D
Acq: 05 May 2023 18:45

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BNA_M
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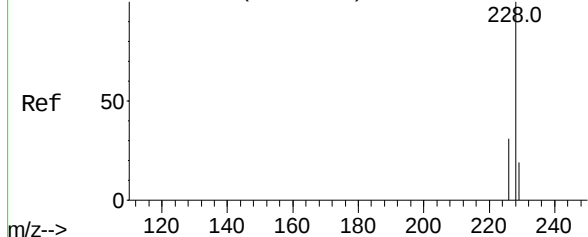
Tgt Ion:	228	Resp:	6481
Ion	Ratio	Lower	Upper
228	100		
229	32.8	16.2	24.2#
226	36.9	21.6	32.4#



Abundance Scan 4156 (21.375 min): BM039851.D\data.ms (-4144) (-)

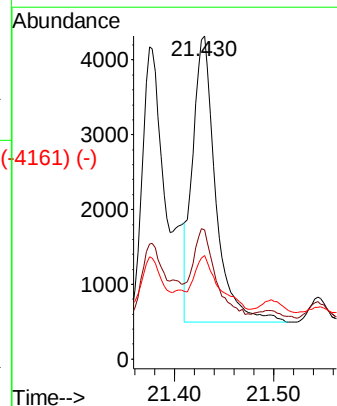
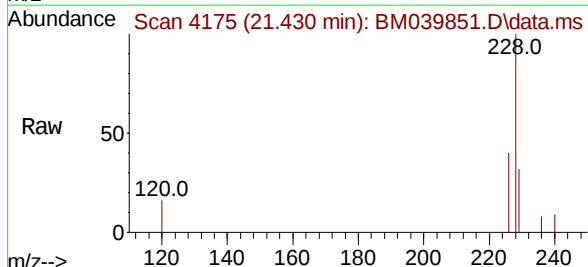


Abundance Scan 4179 (21.442 min): BM039835.D\data.ms (-4122) (-)

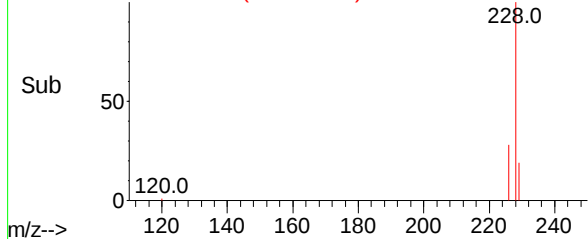


Chrysene
Concen: 8.189 ng/u1
RT: 21.430 min Scan# 4175
Delta R.T. -0.010 min
Lab File: BM039851.D
Acq: 05 May 2023 18:45

Tgt Ion:	228	Resp:	6155
Ion	Ratio	Lower	Upper
228	100		
226	40.0	24.3	36.5#
229	32.1	15.9	23.9#



Abundance Scan 4175 (21.430 min): BM039851.D\data.ms (-4161) (-)



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

Benzo(b)fluoranthene

Concen: 14.530 ng/u1

RT: 23.023 min Scan# 4724

Delta R.T. -0.013 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Instrument :

BNA_M

ClientSampleId :

EW973

Tgt Ion:252 Resp: 7042

Ion Ratio Lower Upper

252 100

253 42.8 0.0 52.8

125 47.9 0.0 31.6#

Abundance Scan 4720 (23.023 min): BM039851.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 4720 (23.023 min): BM039851.D\data.ms (-4707) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.023

3000

2000

1000

0

Time-->

22.95 23.00 23.05

Abundance Scan 4937 (23.657 min): BM039835.D\data.ms (-4926) (-)

Benzo(a)pyrene

Concen: 14.713 ng/u1

RT: 23.631 min Scan# 4928

Delta R.T. -0.019 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

Tgt Ion:252 Resp: 6402

Ion Ratio Lower Upper

252 100

253 42.8 24.7 37.1#

125 47.3 16.5 24.7#

Abundance Scan 4928 (23.631 min): BM039851.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 4928 (23.631 min): BM039851.D\data.ms (-4900) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.631

4000

3000

2000

1000

0

Time-->

23.60 23.70

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

Indeno(1,2,3-cd)pyrene

Concen: 6.392 ng/u1

RT: 26.162 min Scan#

Delta R.T. -0.025 min

Lab File: BM039851.D

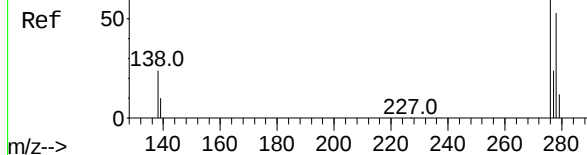
Acq: 05 May 2023 18:45

Instrument :

BNA_M

ClientSampleId :

EW973



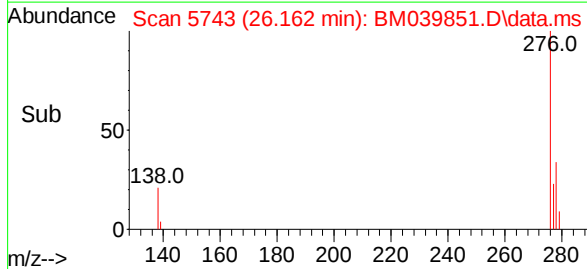
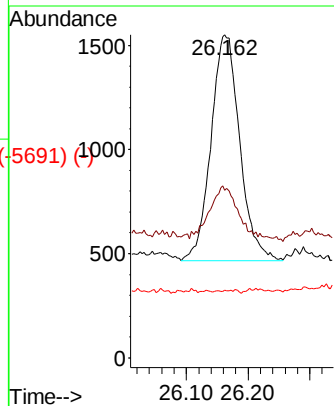
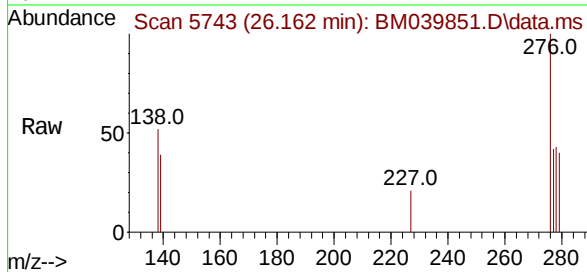
Tgt Ion:276 Resp: 3517

Ion Ratio Lower Upper

276 100

138 26.4 21.1 31.7

227 0.1 0.1 0.1



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

Dibenzo(a,h)anthracene

Concen: 3.468 ng/u1

RT: 26.169 min Scan# 5745

Delta R.T. -0.029 min

Lab File: BM039851.D

Acq: 05 May 2023 18:45

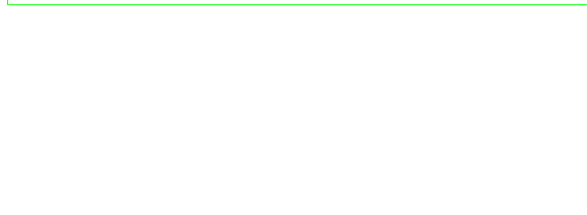
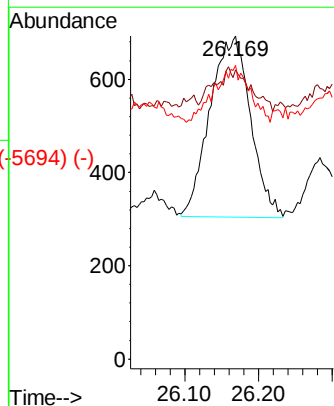
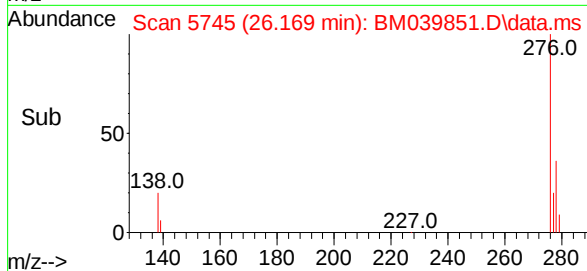
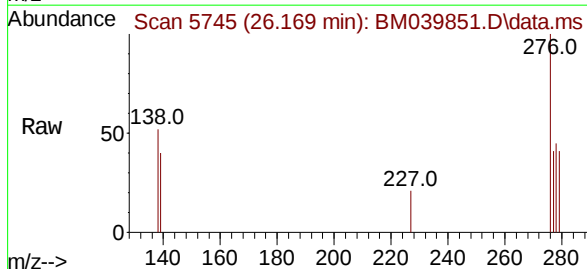
Tgt Ion:278 Resp: 1481

Ion Ratio Lower Upper

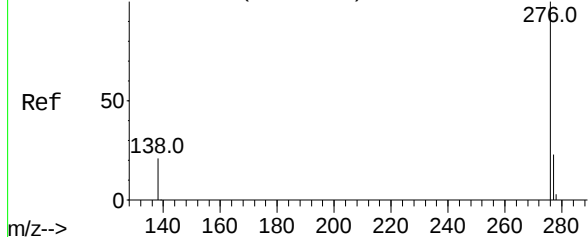
278 100

139 89.5 17.0 25.6#

279 90.9 23.4 35.2#

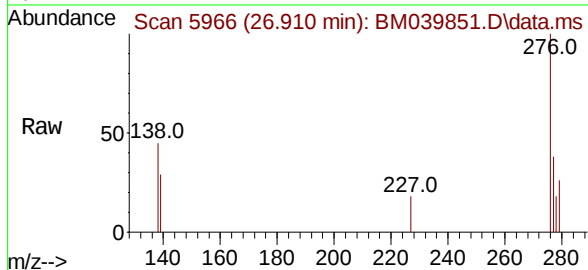


Abundance Scan 5977 (26.947 min): BM039835.D\data.ms (-5977) (-)



Benzo(g,h,i)perylene
Concen: 10.258 ng/ul
RT: 26.910 min Scan# 5966
Delta R.T. -0.022 min
Lab File: BM039851.D
Acq: 05 May 2023 18:45

Instrument :
BNA_M
ClientSampleId :
EW973



Tgt Ion:	276	Resp:	4918
Ion	Ratio	Lower	Upper
276	100		
138	45.5	20.1	30.1#
277	37.7	20.1	30.1#

