

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039850.D
 Acq On : 05 May 2023 18:08
 Operator : CG/JU
 Sample : 02479-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW945

Quant Time: May 06 02:48:08 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)

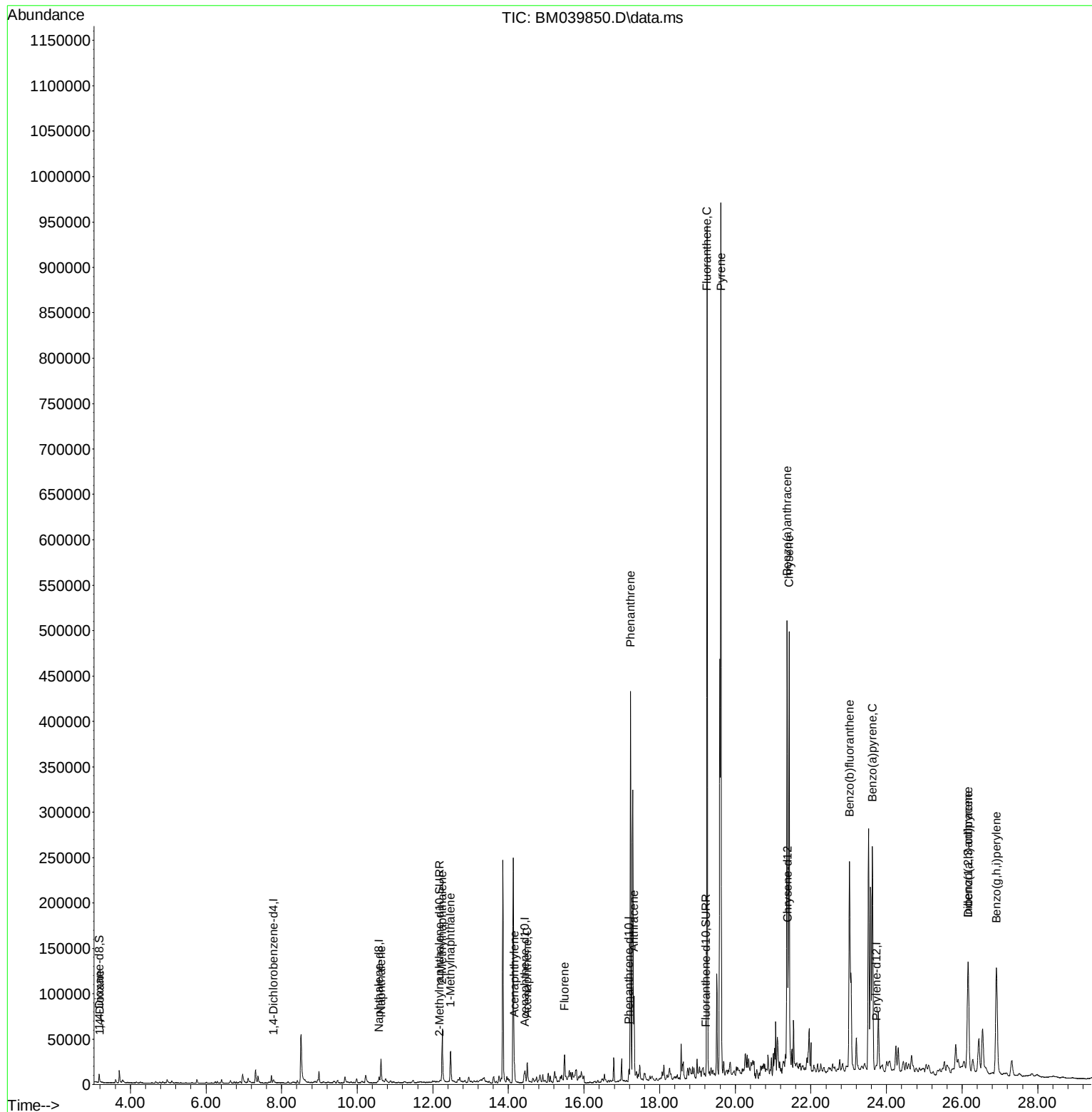
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	2317	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.578	136	9711	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.437	164	6898	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.187	188	13664	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.386	240	7916	0.400	ng/ul	#-0.02
23) Perylene-d12	23.733	264	9208	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.172	96	5924	1.735	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.179	152	2404	0.193	ng/ul	-0.04
18) Fluoranthene-d10	19.225	212	5785	0.272	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.188	88	96	0.027	ng/ul#	53
5) Naphthalene	10.628	128	38288	1.570	ng/ul	99
7) 2-Methylnaphthalene	12.250	142	48426	3.441	ng/ul	96
8) 1-Methylnaphthalene	12.470	142	25226	1.671	ng/ul	99
10) Acenaphthylene	14.154	152	13776	0.516	ng/ul#	82
11) Acenaphthene	14.497	153	13048	0.622	ng/ul	98
12) Fluorene	15.487	166	18193	0.782	ng/ul#	95
15) Phenanthrene	17.229	178	443104	12.309	ng/ul	99
16) Anthracene	17.322	178	89866	2.907	ng/ul	98
19) Fluoranthene	19.252	202	775557	27.462	ng/ul	99
20) Pyrene	19.620	202	786340	25.784	ng/ul	98
21) Benzo(a)anthracene	21.372	228	415651	18.263	ng/ul	97
22) Chrysene	21.424	228	451143	17.516	ng/ul	97
24) Benzo(b)fluoranthene	23.020	252	411255	12.717	ng/ul	93
26) Benzo(a)pyrene	23.628	252	350574	12.075	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.159	276	179663	4.894	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.159	278	82354	2.890	ng/ul#	86
29) Benzo(g,h,i)perylene	26.907	276	255503	7.987	ng/ul	99

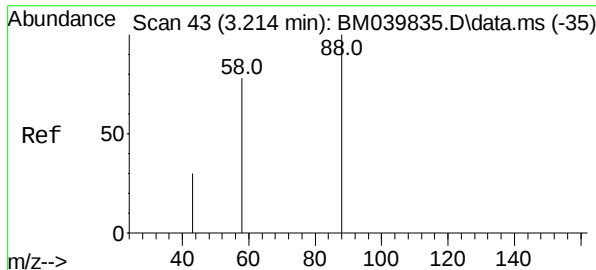
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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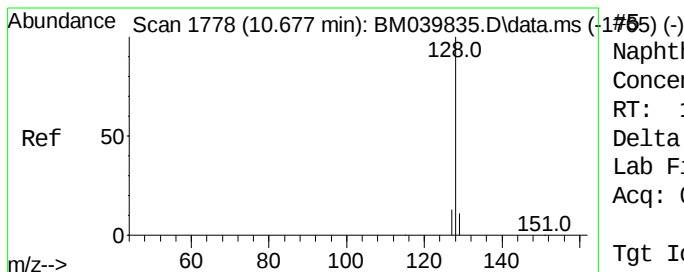
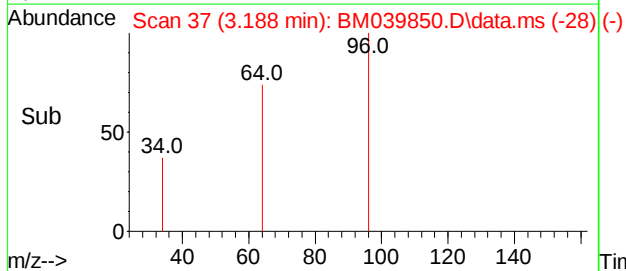
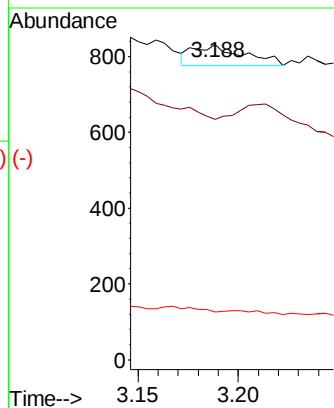
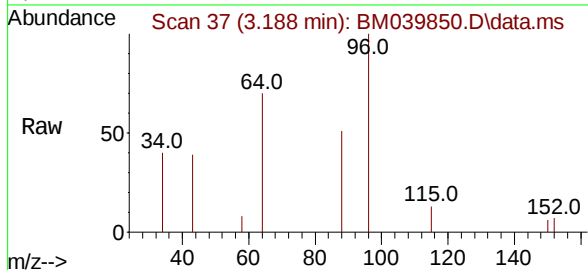




1,4-Dioxane
 Concen: 0.027 ng/ul
 RT: 3.188 min Scan# 1765
 Delta R.T. -0.021 min
 Lab File: BM039850.D
 Acq: 05 May 2023 18:08

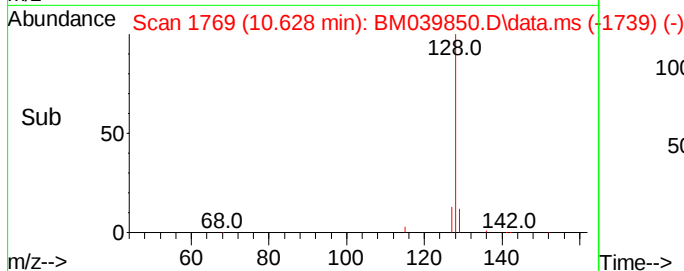
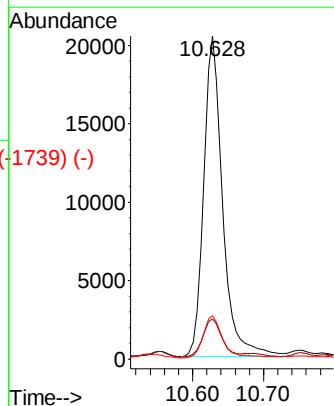
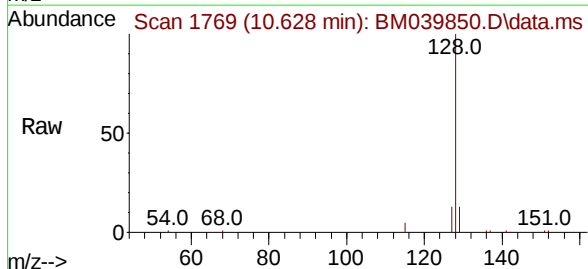
Instrument :
 BNA_M
 ClientSampleId :
 EW945

Tgt Ion: 88 Resp: 96
 Ion Ratio Lower Upper
 88 100
 43 76.3 102.6 153.8#
 58 15.2 40.6 61.0#



Naphthalene
 Concen: 1.570 ng/ul
 RT: 10.628 min Scan# 1769
 Delta R.T. -0.033 min
 Lab File: BM039850.D
 Acq: 05 May 2023 18:08

Tgt Ion: 128 Resp: 38288
 Ion Ratio Lower Upper
 128 100
 129 12.6 9.8 14.6
 127 13.4 11.1 16.7



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

2-Methylnaphthalene

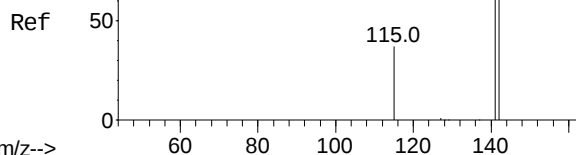
Concen: 3.441 ng/ul

RT: 12.250 min Scan# 2074

Delta R.T. -0.039 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

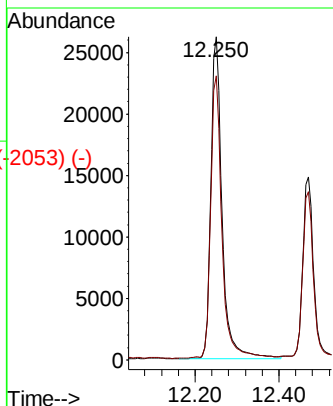
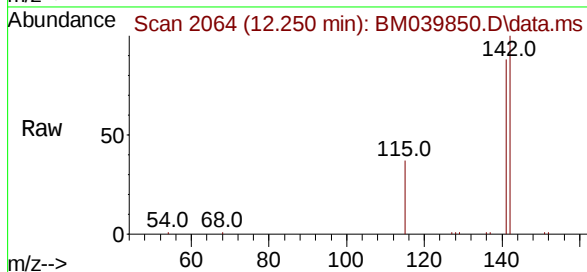


Tgt Ion:142 Resp: 48426

Ion Ratio Lower Upper

142 100

141 88.1 73.2 109.8



Abundance Scan 2064 (12.250 min): BM039850.D\data.ms (-2053) (-)

1-Methylnaphthalene

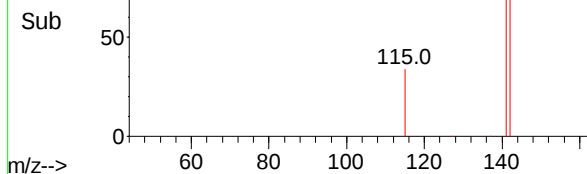
Concen: 1.671 ng/ul

RT: 12.470 min Scan# 2104

Delta R.T. -0.022 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08



Tgt Ion:142 Resp: 25226

Ion Ratio Lower Upper

142 100

141 90.6 73.4 110.2

Abundance Scan 2110 (12.503 min): BM039835.D\data.ms (-2102) (-)

1-Methylnaphthalene

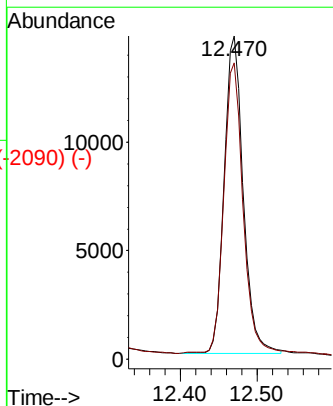
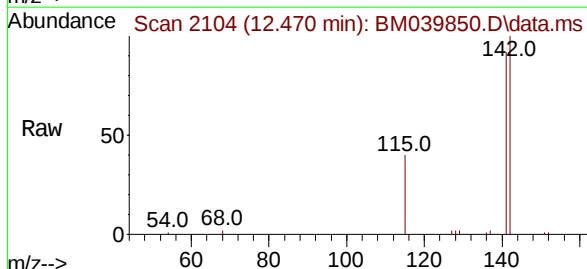
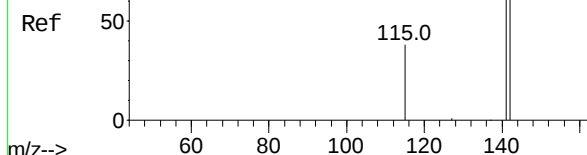
Concen: 1.671 ng/ul

RT: 12.470 min Scan# 2104

Delta R.T. -0.022 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08



Abundance Scan 2104 (12.470 min): BM039850.D\data.ms (-2090) (-)

1-Methylnaphthalene

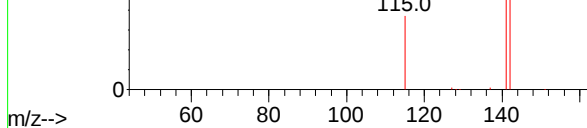
Concen: 1.671 ng/ul

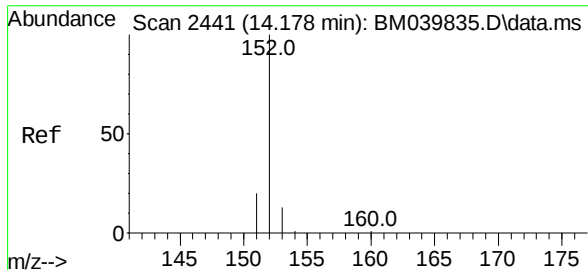
RT: 12.470 min Scan# 2104

Delta R.T. -0.022 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08





Acenaphthylene

Concen: 0.516 ng/ul

RT: 14.154 min Scan# 2436

Delta R.T. -0.019 min

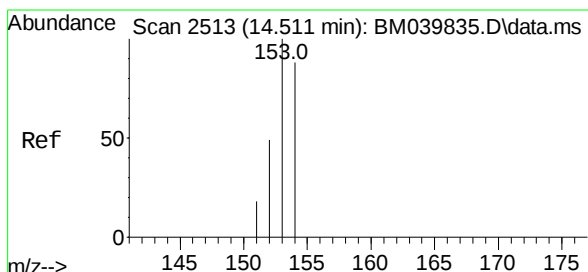
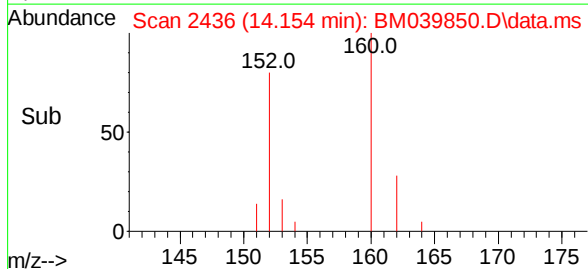
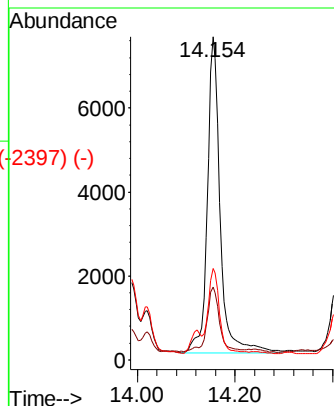
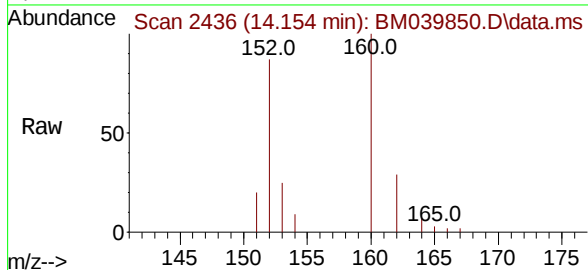
Lab File: BM039850.D

Acq: 05 May 2023 18:08

Instrument : BNA_M

ClientSampleId : EW945

Tgt Ion:	152	Resp:	13776
Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.0	24.0
153	28.3	11.2	16.8#



Acenaphthene

Concen: 0.622 ng/ul

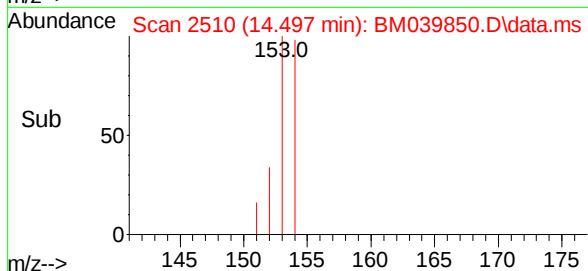
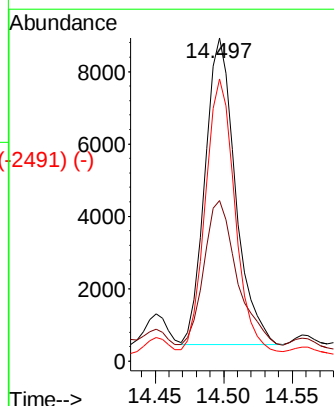
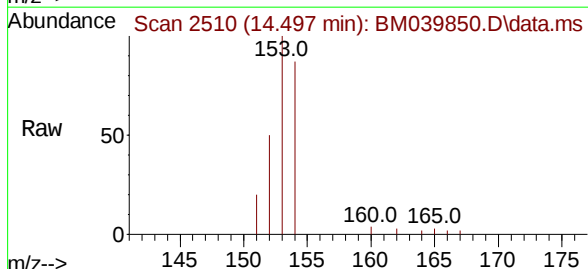
RT: 14.497 min Scan# 2510

Delta R.T. -0.014 min

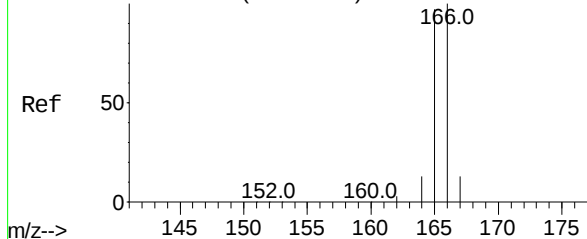
Lab File: BM039850.D

Acq: 05 May 2023 18:08

Tgt Ion:	153	Resp:	13048
Ion	Ratio	Lower	Upper
153	100		
152	49.7	40.6	61.0
154	87.4	71.9	107.9



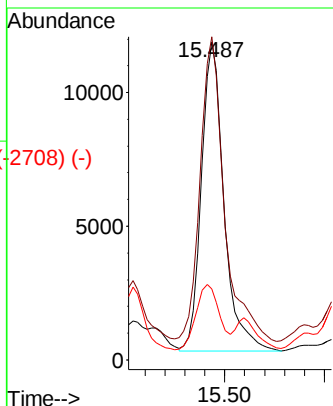
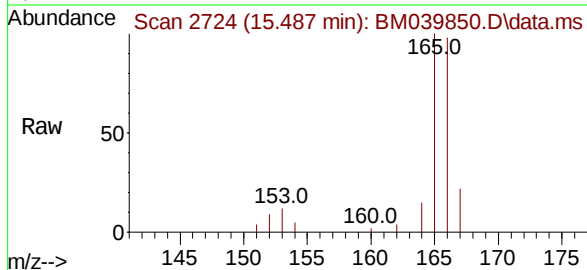
Abundance Scan 2732 (15.524 min): BM039835.D\data.ms (-2710) (-)



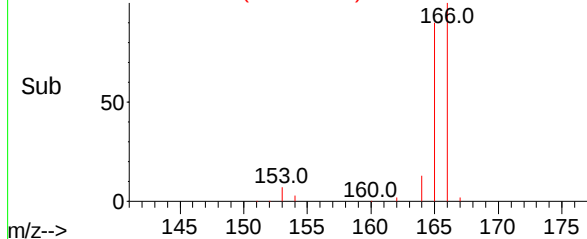
Fluorene
Concen: 0.782 ng/ul
RT: 15.487 min Scan# 3126
Delta R.T. -0.028 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

Instrument :
BNA_M
ClientSampleId :
EW945

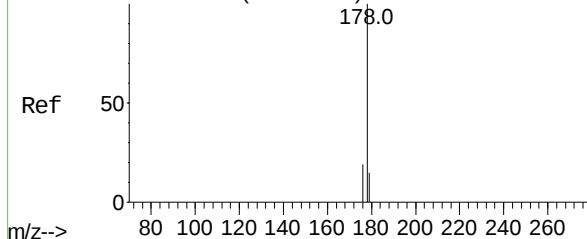
Tgt Ion:	166	Resp:	18193
Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.0	118.6
167	22.4	11.8	17.6#



Abundance Scan 2724 (15.487 min): BM039850.D\data.ms (-2708) (-)

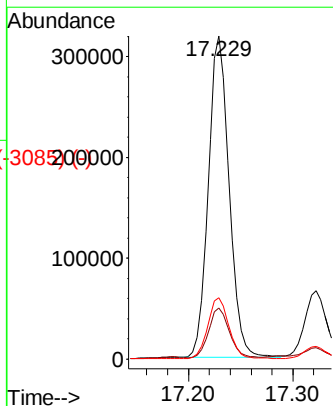
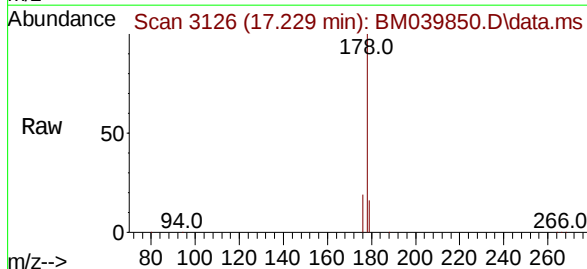


Abundance Scan 3133 (17.259 min): BM039835.D\data.ms (-3115) (-)

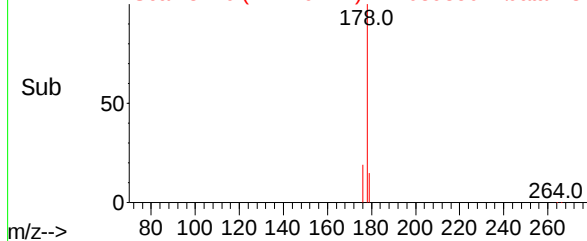


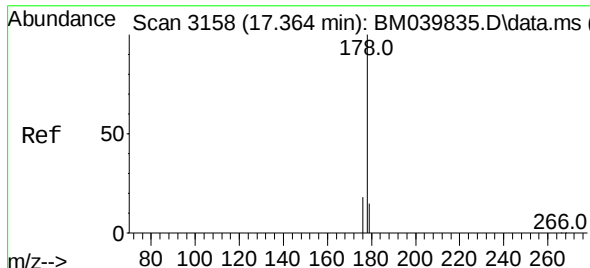
Phenanthrene
Concen: 12.309 ng/ul
RT: 17.229 min Scan# 3126
Delta R.T. -0.025 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

Tgt Ion:	178	Resp:	443104
Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.0	19.6
176	19.1	15.8	23.8



Abundance Scan 3126 (17.229 min): BM039850.D\data.ms (-308520) (-)

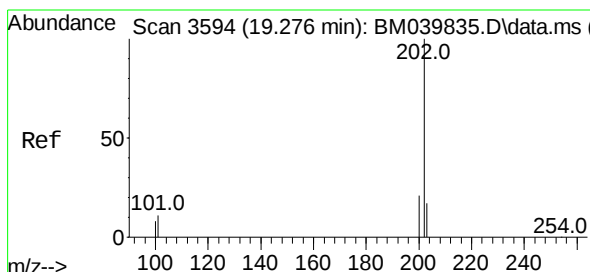
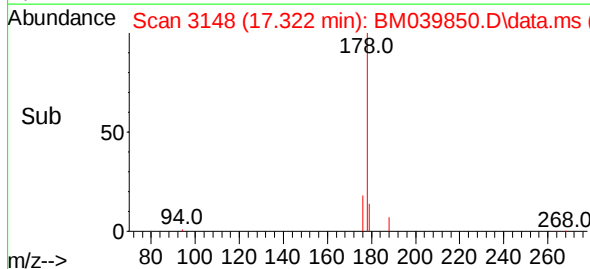
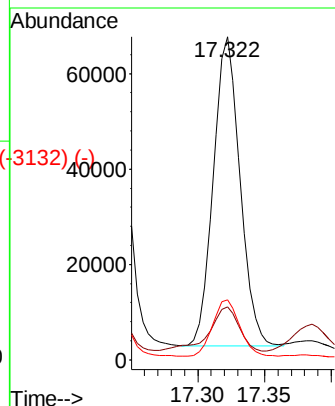
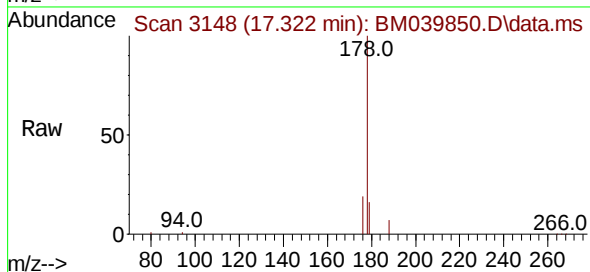




Anthracene
Concen: 2.907 ng/ul
RT: 17.322 min Scan# 3148
Delta R.T. -0.034 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

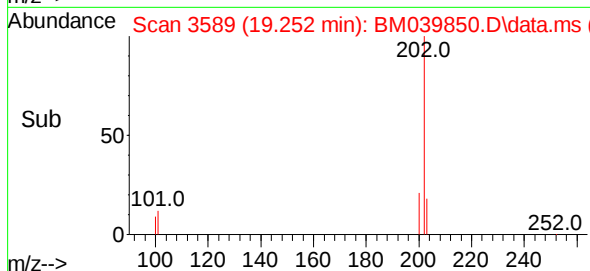
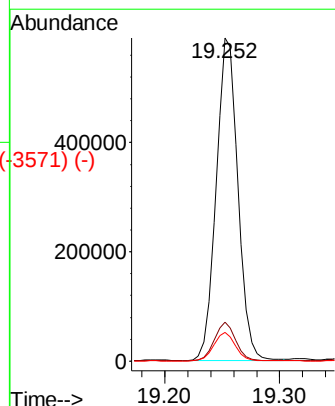
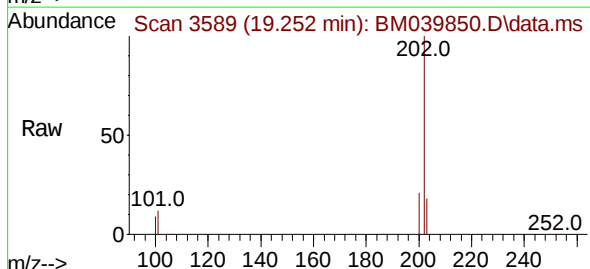
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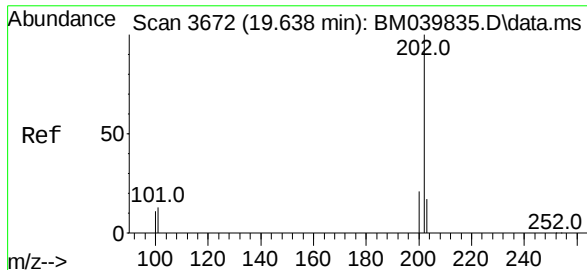
Tgt Ion:	178	Resp:	89866
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.8	20.6
176	18.7	15.8	23.8



Fluoranthene
Concen: 27.462 ng/ul
RT: 19.252 min Scan# 3589
Delta R.T. -0.019 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

Tgt Ion:	202	Resp:	775557
Ion Ratio	Lower	Upper	
202	100		
101	12.0	9.8	14.8
100	9.0	7.3	10.9

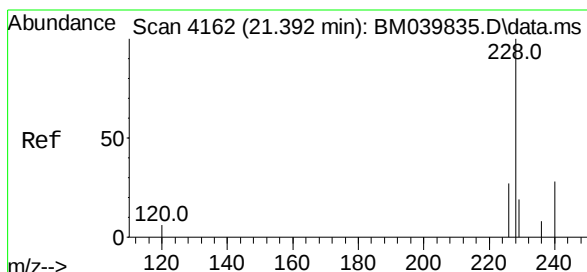
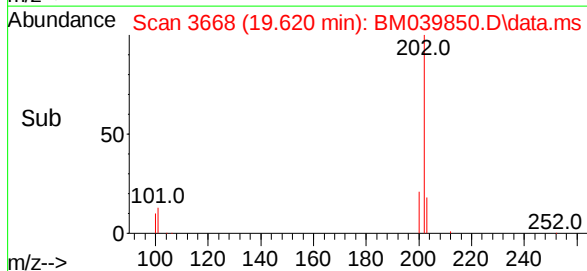
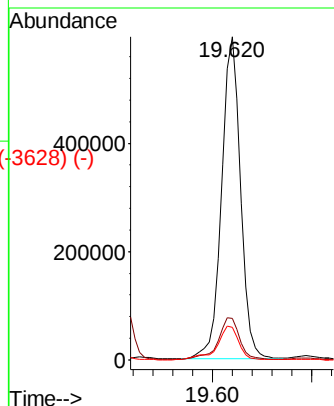
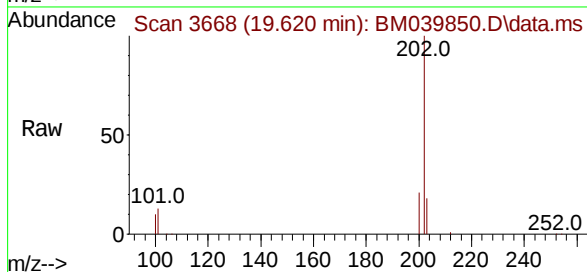




Pyrene
Concen: 25.784 ng/u1
RT: 19.620 min Scan# 4155
Delta R.T. -0.014 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

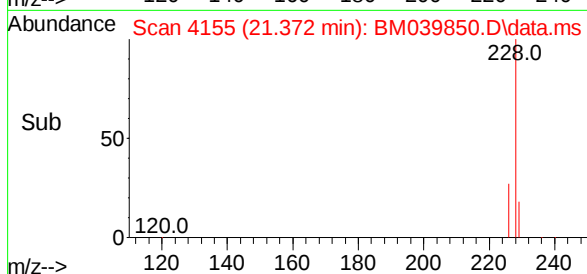
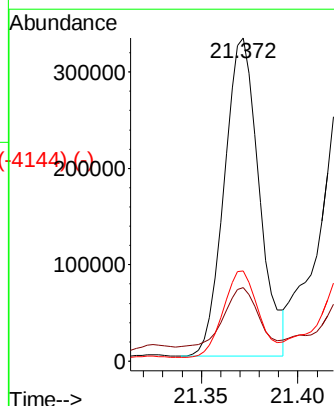
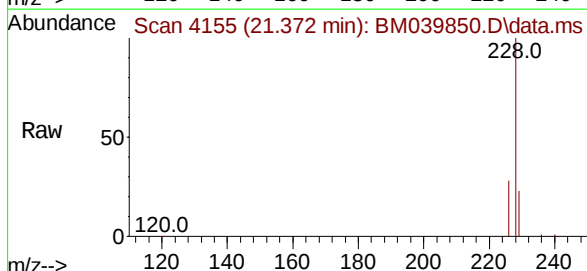
Instrument :
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Tgt Ion:	202	Resp:	786340
Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.9	16.3
100	10.2	8.9	13.3



Benzo(a)anthracene
Concen: 18.263 ng/u1
RT: 21.372 min Scan# 4155
Delta R.T. -0.019 min
Lab File: BM039850.D
Acq: 05 May 2023 18:08

Tgt Ion:	228	Resp:	415651
Ion	Ratio	Lower	Upper
228	100		
229	22.7	16.2	24.2
226	28.0	21.6	32.4



Abundance Scan 4179 (21.442 min): BM039835.D\data.ms (-4#22) (-)

Chrysene

Concen: 17.516 ng/u1

RT: 21.424 min Scan# 4173

Delta R.T. -0.016 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Instrument :

BNA_M

ClientSampleId :

EW945

Tgt Ion:228 Resp: 451143

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 22.8 15.9 23.9

Abundance Scan 4173 (21.424 min): BM039850.D\data.ms

m/z-->

228.0

120.0

Raw

50

0

120 140 160 180 200 220 240

m/z-->

Abundance Scan 4173 (21.424 min): BM039850.D\data.ms (-4161) (-)

m/z-->

228.0

Sub

50

0

120 140 160 180 200 220 240

m/z-->

Abundance

300000

200000

100000

0

21.35 21.40 21.45

Time-->

Abundance Scan 4726 (23.040 min): BM039835.D\data.ms (-4#24) (-)

Benzo(b)fluoranthene

Concen: 12.717 ng/u1

RT: 23.020 min Scan# 4719

Delta R.T. -0.016 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Tgt Ion:252 Resp: 411255

Ion Ratio Lower Upper

252 100

253 23.7 0.0 52.8

125 12.0 0.0 31.6

Abundance Scan 4719 (23.020 min): BM039850.D\data.ms

m/z-->

252.0

125.0

Raw

50

0

120 140 160 180 200 220 240 260

m/z-->

Abundance Scan 4719 (23.020 min): BM039850.D\data.ms (-4707) (-)

m/z-->

252.0

Sub

50

0

120 140 160 180 200 220 240 260

m/z-->

Abundance

150000

100000

50000

0

22.95 23.00 23.05

Time-->

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

Benzo(a)pyrene

Concen: 12.075 ng/u1

RT: 23.628 min Scan# 4927

Delta R.T. -0.022 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Instrument :

BNA_M

ClientSampleId :

EW945

Tgt Ion:252 Resp: 350574

Ion Ratio Lower Upper

252 100

253 23.4 24.7 37.1#

125 12.3 16.5 24.7#

Abundance Scan 4927 (23.628 min): BM039850.D\data.ms

252.0

125.0

m/z-->

Raw

50

125.0

0

m/z-->

Abundance Scan 4927 (23.628 min): BM039850.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Sub

50

125.0

0

m/z-->

Abundance

23.628

150000

100000

50000

0

Time-->

23.60 23.70

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

Indeno(1,2,3-cd)pyrene

Concen: 4.894 ng/u1

RT: 26.159 min Scan# 5742

Delta R.T. -0.029 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Tgt Ion:276 Resp: 179663

Ion Ratio Lower Upper

276 100

138 23.9 21.1 31.7

227 0.0 0.1 0.1#

Abundance Scan 5742 (26.159 min): BM039850.D\data.ms

276.0

138.0

227.0

m/z-->

Raw

50

138.0

0

m/z-->

Abundance Scan 5742 (26.159 min): BM039850.D\data.ms (-5691) (-)

276.0

138.0

227.0

m/z-->

Sub

50

138.0

0

m/z-->

Abundance

26.159

60000

40000

20000

0

Time-->

26.10 26.20

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

Dibenzo(a,h)anthracene

Concen: 2.890 ng/u1

RT: 26.159 min Scan# 5742

Delta R.T. -0.039 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Instrument :

BNA_M

ClientSampleId :

EW945

Tgt Ion:278 Resp: 82354

Ion Ratio Lower Upper

278 100

139 24.6 17.0 25.6

279 39.4 23.4 35.2#

Abundance Scan 5742 (26.159 min): BM039850.D\data.ms (-5742) (-)

Ref 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5742 (26.159 min): BM039850.D\data.ms (-5742) (-)

Raw 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5742 (26.159 min): BM039850.D\data.ms (-5742) (-)

Sub 50

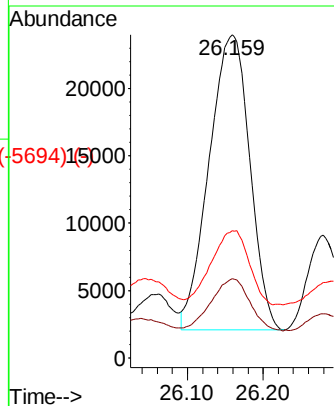
138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280



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

Benzo(g,h,i)perylene

Concen: 7.987 ng/u1

RT: 26.907 min Scan# 5965

Delta R.T. -0.025 min

Lab File: BM039850.D

Acq: 05 May 2023 18:08

Tgt Ion:276 Resp: 255503

Ion Ratio Lower Upper

276 100

138 24.1 20.1 30.1

277 25.2 20.1 30.1

Abundance Scan 5965 (26.907 min): BM039850.D\data.ms (-5965) (-)

Ref 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5965 (26.907 min): BM039850.D\data.ms (-5965) (-)

Raw 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5965 (26.907 min): BM039850.D\data.ms (-5965) (-)

Sub 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

