

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
 Data File : BM039837.D
 Acq On : 05 May 2023 09:43
 Operator : CG/JU
 Sample : 02447-10DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW916DL

Quant Time: May 06 02:20:15 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)

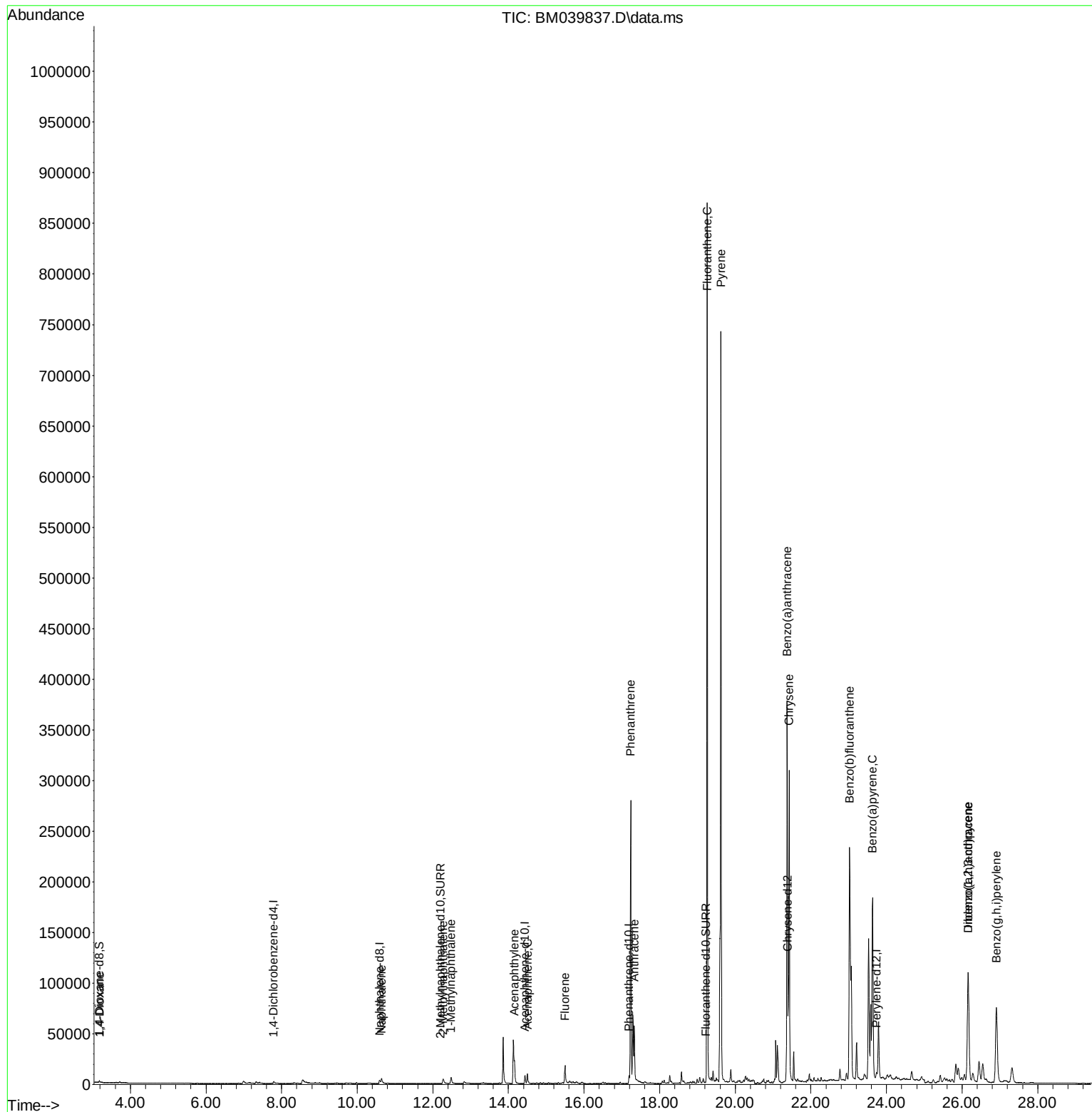
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	1690	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.595	136	6697	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.437	164	4310	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	9849	0.400	ng/ul	-0.02
17) Chrysene-d12	21.389	240	7636	0.400	ng/ul	-0.02
23) Perylene-d12	23.736	264	9177	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	1338	0.537	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152	399	0.046	ng/ul	-0.02
18) Fluoranthene-d10	19.225	212	1231	0.060	ng/ul	-0.02
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.193	88	72	0.028	ng/ul#	34
5) Naphthalene	10.644	128	9596	0.571	ng/ul	98
7) 2-Methylnaphthalene	12.272	142	5877	0.606	ng/ul	97
8) 1-Methylnaphthalene	12.481	142	5418	0.520	ng/ul	99
10) Acenaphthylene	14.159	152	26611	1.595	ng/ul	100
11) Acenaphthene	14.501	153	6114	0.467	ng/ul	98
12) Fluorene	15.496	166	14042	0.966	ng/ul	99
15) Phenanthrene	17.233	178	309102	11.912	ng/ul	98
16) Anthracene	17.326	178	68005	3.052	ng/ul	98
19) Fluoranthene	19.257	202	752010	27.605	ng/ul	97
20) Pyrene	19.620	202	614388	20.884	ng/ul	98
21) Benzo(a)anthracene	21.372	228	323875	14.752	ng/ul	99
22) Chrysene	21.427	228	297414	11.970	ng/ul	98
24) Benzo(b)fluoranthene	23.023	252	409350	12.701	ng/ul	91
26) Benzo(a)pyrene	23.631	252	267196	9.234	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.159	276	185187	5.061	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.166	278	46752	1.646	ng/ul	96
29) Benzo(g,h,i)perylene	26.907	276	166181	5.212	ng/ul	96

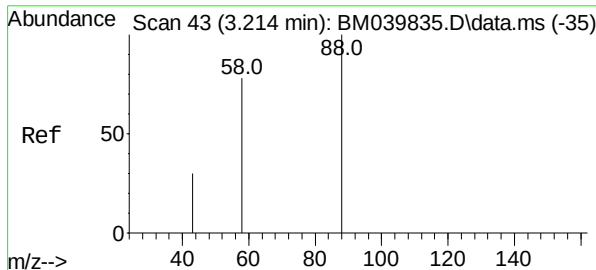
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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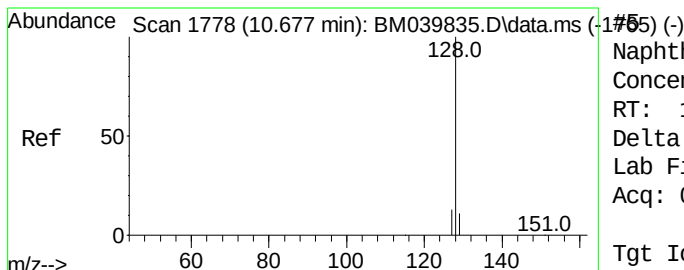
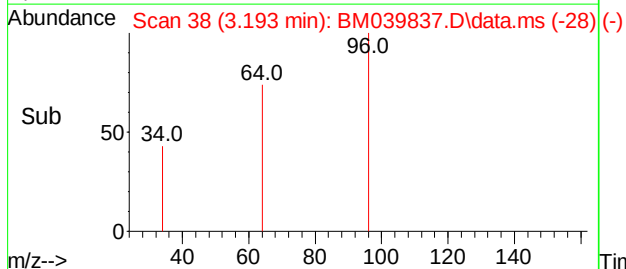
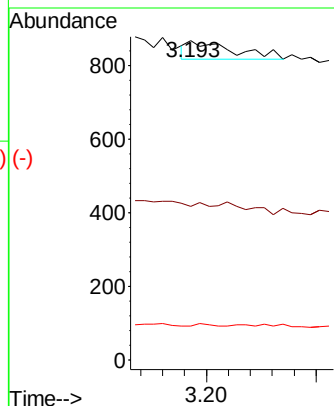
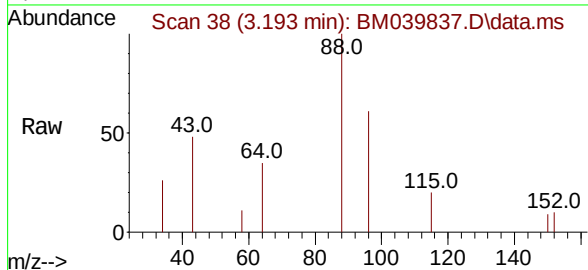




1,4-Dioxane
Concen: 0.028 ng/ul
RT: 3.193 min Scan# 1
Delta R.T. -0.017 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

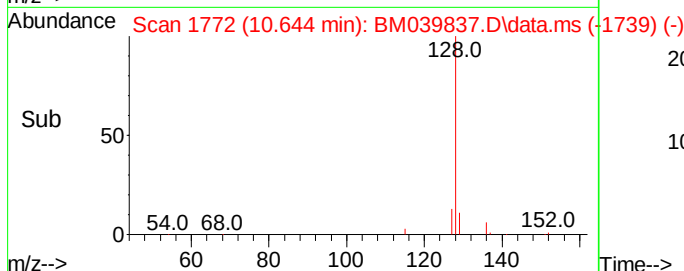
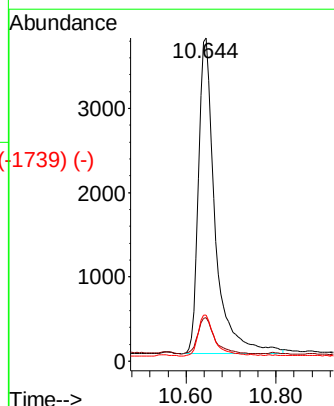
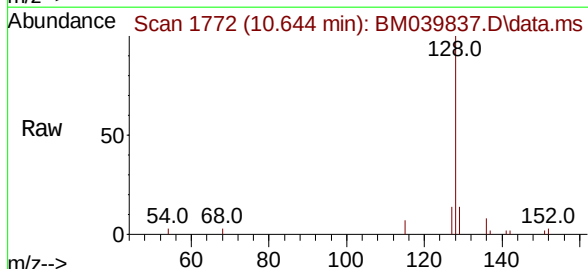
Instrument :
BNA_M
ClientSampleId :
EW916DL

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 48.0 102.6 153.8#
58 10.7 40.6 61.0#



Naphthalene
Concen: 0.571 ng/ul
RT: 10.644 min Scan# 1772
Delta R.T. -0.017 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

Tgt Ion: 128 Resp: 9596
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.6
127 14.2 11.1 16.7



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

2-Methylnaphthalene

Concen: 0.606 ng/ul

RT: 12.272 min Scan# 2074

Delta R.T. -0.017 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Instrument :

BNA_M

ClientSampleId :

EW916DL

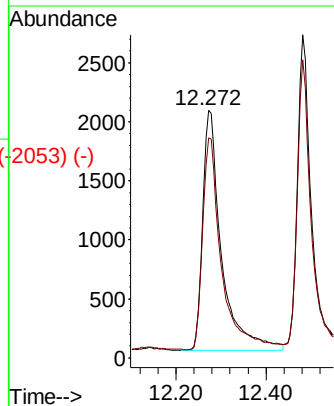
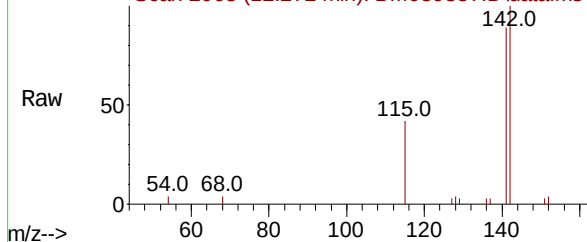
Tgt Ion:142 Resp: 5877

Ion Ratio Lower Upper

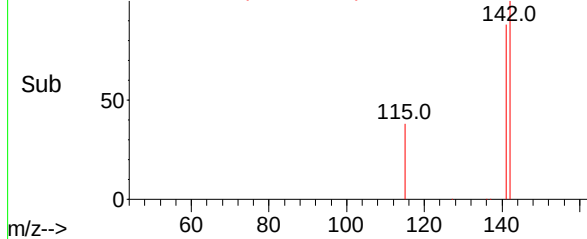
142 100

141 88.8 73.2 109.8

Abundance Scan 2068 (12.272 min): BM039837.D\data.ms



Abundance Scan 2068 (12.272 min): BM039837.D\data.ms (-2053) (-)



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

1-Methylnaphthalene

Concen: 0.520 ng/ul

RT: 12.481 min Scan# 2106

Delta R.T. -0.011 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

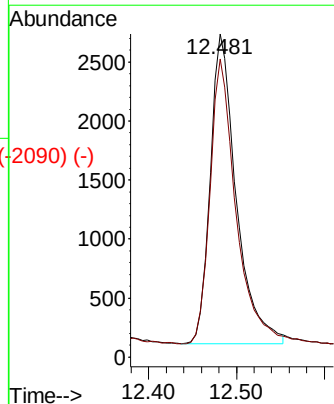
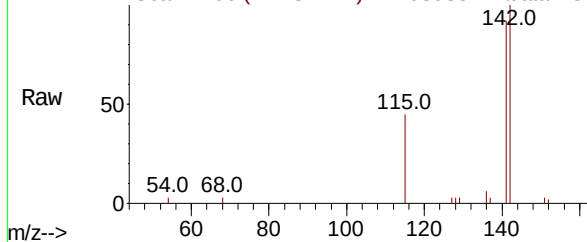
Tgt Ion:142 Resp: 5418

Ion Ratio Lower Upper

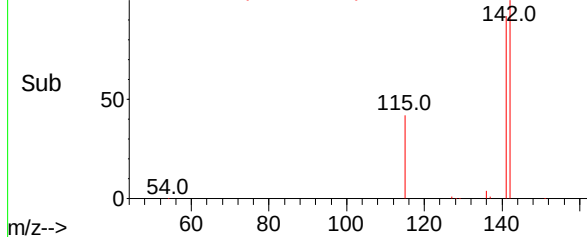
142 100

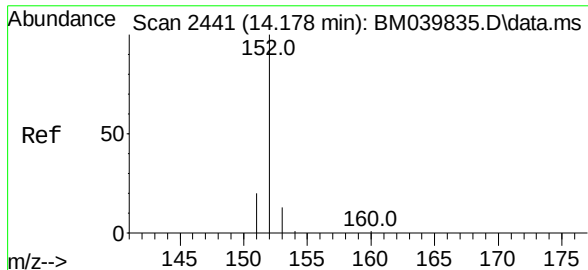
141 90.9 73.4 110.2

Abundance Scan 2106 (12.481 min): BM039837.D\data.ms



Abundance Scan 2106 (12.481 min): BM039837.D\data.ms (-2090) (-)

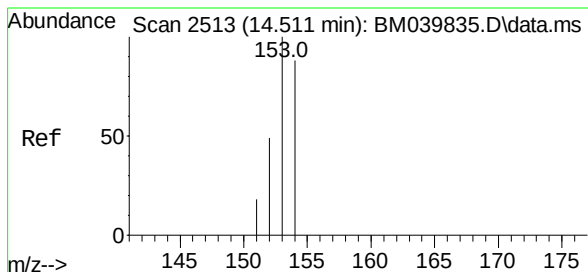
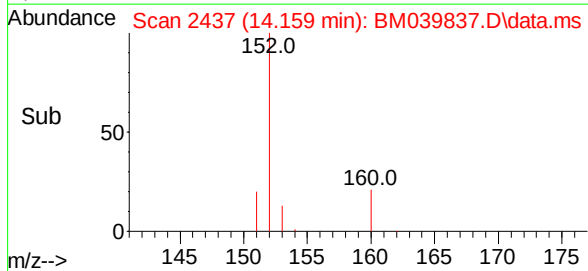
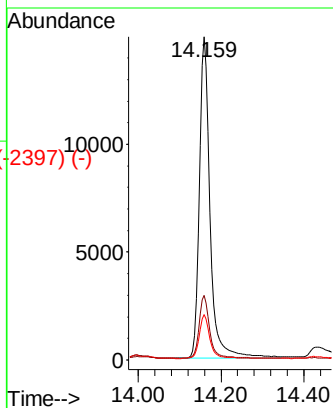
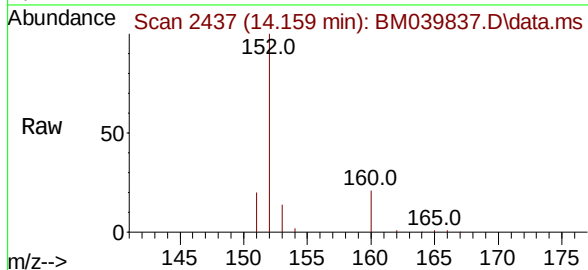




Acenaphthylene
Concen: 1.595 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. -0.014 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

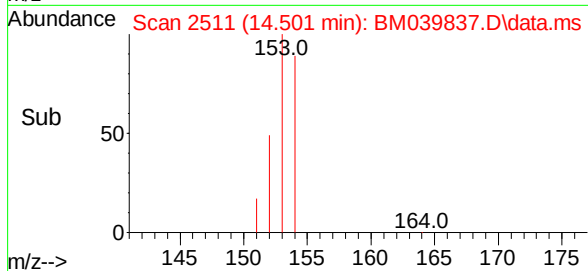
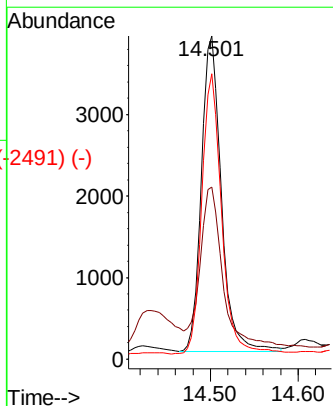
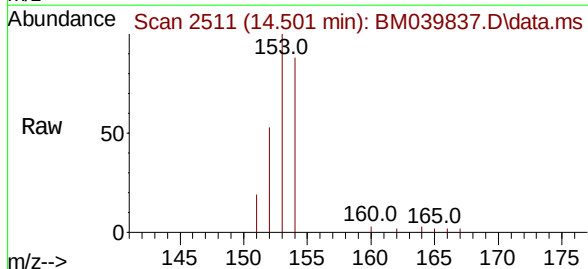
Instrument :
BNA_M
ClientSampleId :
EW916DL

Tgt Ion:	152	Resp:	26611
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	14.0	11.2	16.8

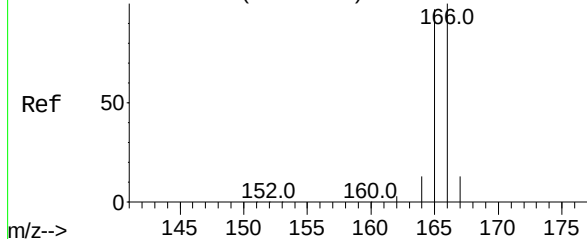


Acenaphthene
Concen: 0.467 ng/ul
RT: 14.501 min Scan# 2511
Delta R.T. -0.009 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

Tgt Ion:	153	Resp:	6114
Ion	Ratio	Lower	Upper
153	100		
152	53.4	40.6	61.0
154	88.3	71.9	107.9



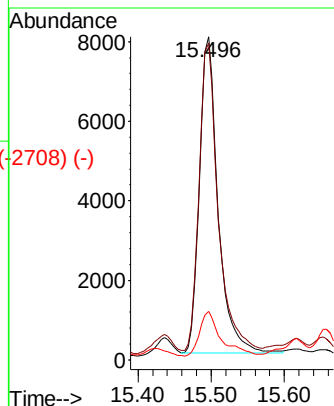
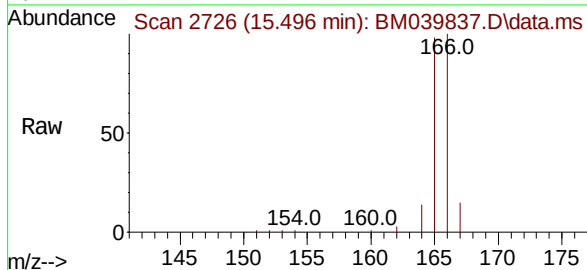
Abundance Scan 2732 (15.524 min): BM039835.D\data.ms (-2710) (-)



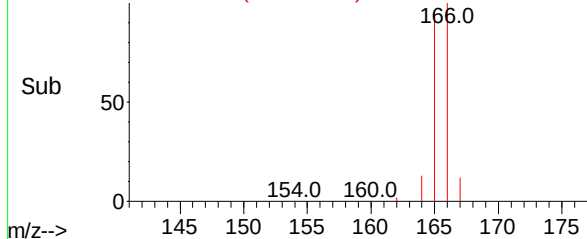
Fluorene
Concen: 0.966 ng/ul
RT: 15.496 min Scan# 2726
Delta R.T. -0.019 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

Instrument :
BNA_M
ClientSampleId :
EW916DL

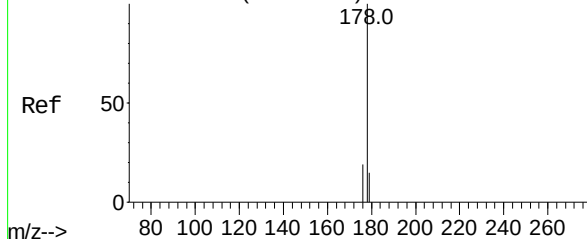
Tgt Ion:	166	Resp:	14042
Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.6
167	14.9	11.8	17.6



Abundance Scan 2726 (15.496 min): BM039837.D\data.ms (-2708) (-)

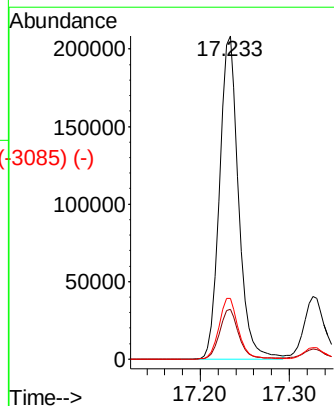
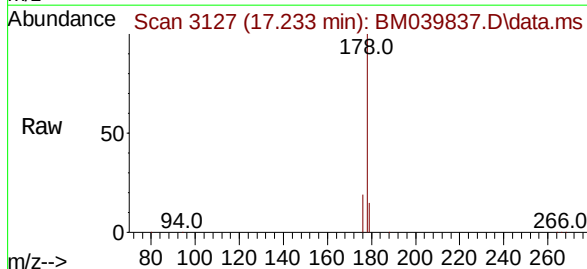


Abundance Scan 3133 (17.259 min): BM039835.D\data.ms (-3115) (-)

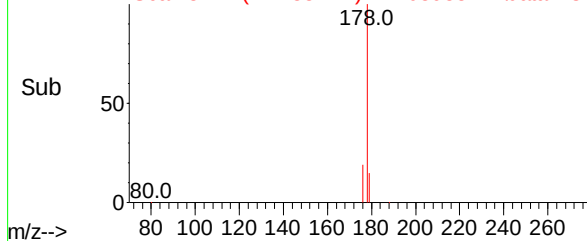


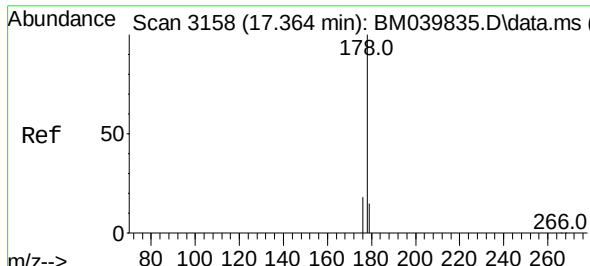
Phenanthrene
Concen: 11.912 ng/ul
RT: 17.233 min Scan# 3127
Delta R.T. -0.021 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

Tgt Ion:	178	Resp:	309102
Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.0	19.6
176	18.9	15.8	23.8



Abundance Scan 3127 (17.233 min): BM039837.D\data.ms (-3085) (-)





3110 (-)

Anthracene

Concen: 3.052 ng/ul

RT: 17.326 min Scan#

Delta R.T. -0.030 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Instrument :

BNA_M

ClientSampleId :

EW916DL

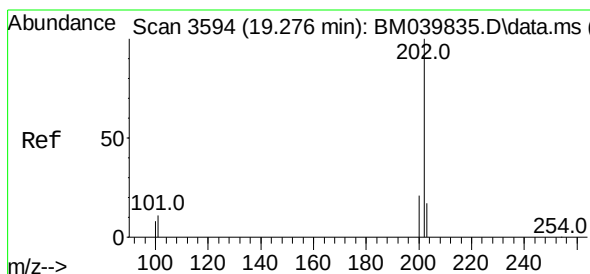
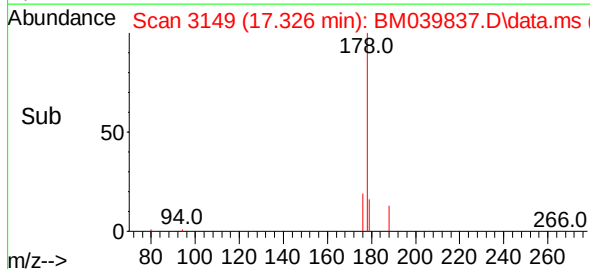
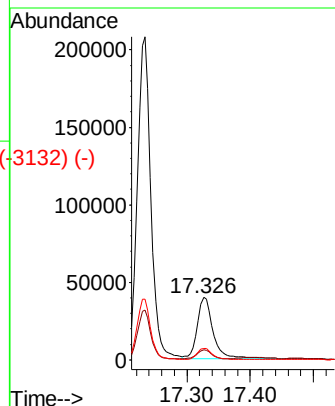
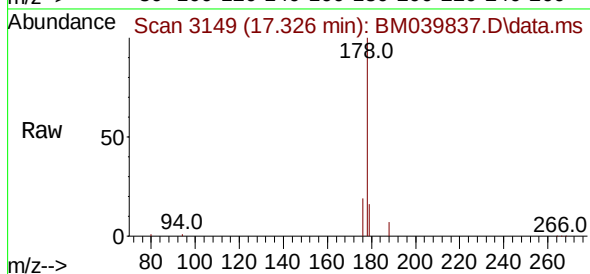
Tgt Ion:178 Resp: 68005

Ion Ratio Lower Upper

178 100

179 16.1 13.8 20.6

176 18.8 15.8 23.8



3519 (-)

Fluoranthene

Concen: 27.605 ng/ul

RT: 19.257 min Scan# 3590

Delta R.T. -0.014 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

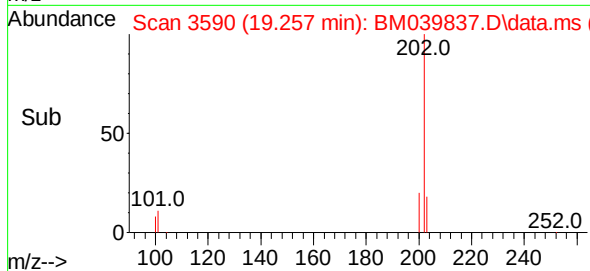
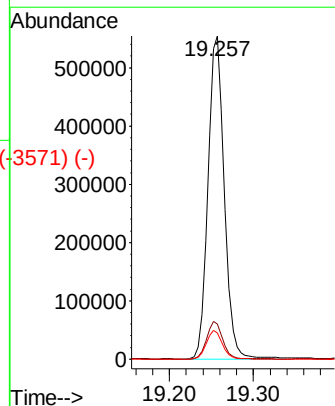
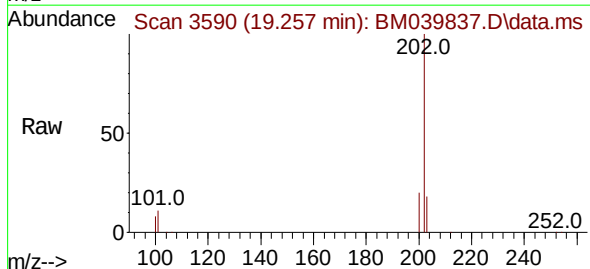
Tgt Ion:202 Resp: 752010

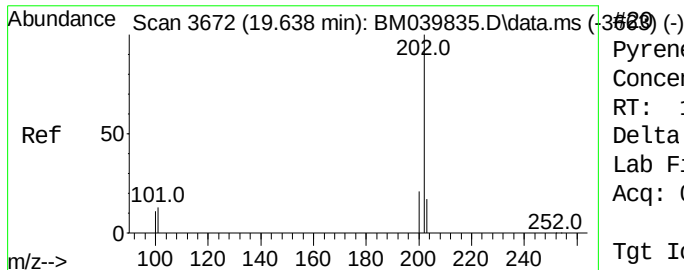
Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

100 8.1 7.3 10.9





Pyrene

Concen: 20.884 ng/ul

RT: 19.620 min Scan# 3668

Delta R.T. -0.014 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Instrument :

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ClientSampleId :

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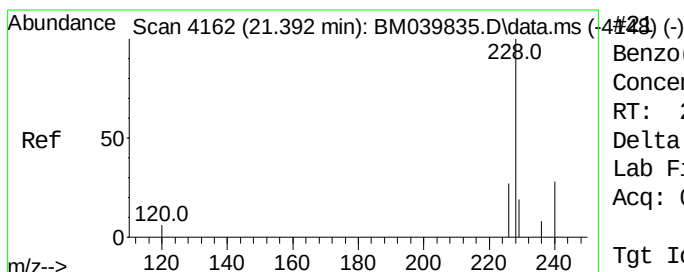
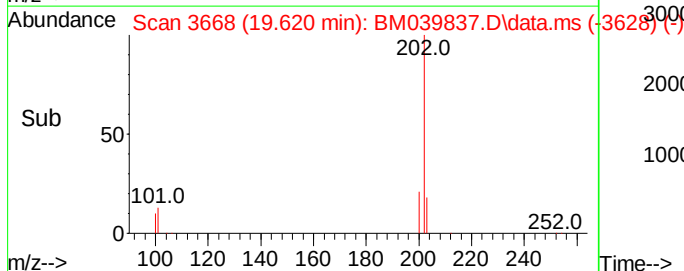
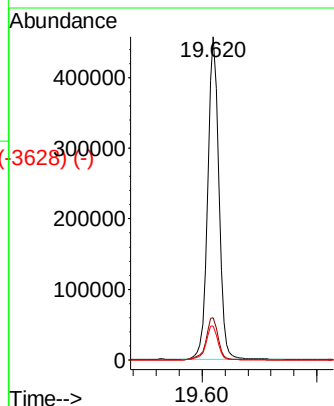
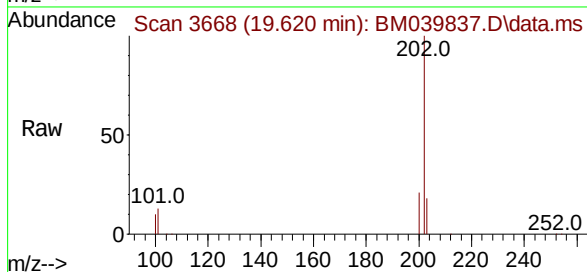
Tgt Ion:202 Resp: 614388

Ion Ratio Lower Upper

202 100

101 13.0 10.9 16.3

100 10.4 8.9 13.3



Benzo(a)anthracene

Concen: 14.752 ng/ul

RT: 21.372 min Scan# 4155

Delta R.T. -0.019 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

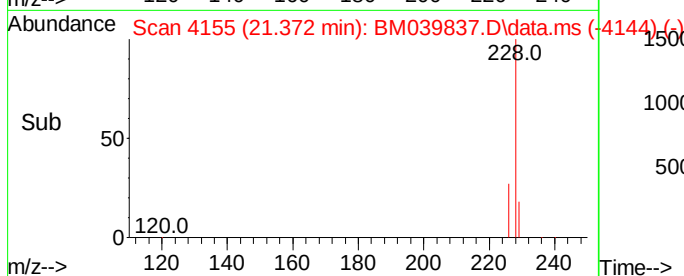
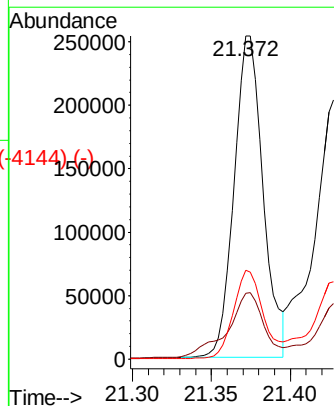
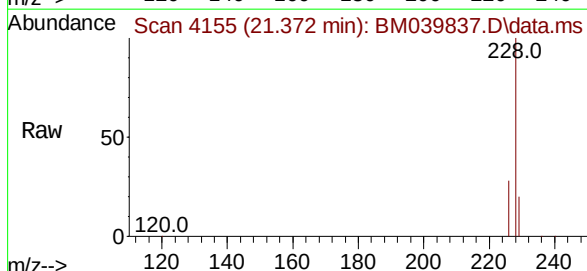
Tgt Ion:228 Resp: 323875

Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.2

226 27.6 21.6 32.4



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

Chrysene

Concen: 11.970 ng/ul

RT: 21.427 min Scan# 4174

Delta R.T. -0.013 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Instrument :

BNA_M

ClientSampleId :

EW916DL

Tgt Ion:228 Resp: 297414

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 21.4 15.9 23.9

Abundance Scan 4174 (21.427 min): BM039837.D\data.ms

228.0

120.0

m/z-->

Raw

50

0

120 140 160 180 200 220 240

m/z-->

Abundance Scan 4174 (21.427 min): BM039837.D\data.ms (-4161) (-)

228.0

120.0

m/z-->

Sub

50

0

120 140 160 180 200 220 240

m/z-->

Abundance

250000

200000

150000

100000

50000

0

21.40 21.50

Time-->

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

Benzo(b)fluoranthene

Concen: 12.701 ng/ul

RT: 23.023 min Scan# 4720

Delta R.T. -0.013 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Tgt Ion:252 Resp: 409350

Ion Ratio Lower Upper

252 100

253 22.6 0.0 52.8

125 10.9 0.0 31.6

Abundance Scan 4720 (23.023 min): BM039837.D\data.ms

252.0

125.0

m/z-->

Raw

50

0

120 140 160 180 200 220 240 260

m/z-->

Abundance Scan 4720 (23.023 min): BM039837.D\data.ms (-4707) (-)

252.0

125.0

m/z-->

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: 9.234 ng/ul

RT: 23.631 min Scan# 4928

Delta R.T. -0.019 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Instrument :

BNA_M

ClientSampleId :

EW916DL

Tgt Ion:252 Resp: 267196

Ion Ratio Lower Upper

252 100

253 23.1 24.7 37.1#

125 11.5 16.5 24.7#

Abundance Scan 4928 (23.631 min): BM039837.D\data.ms

252.0

125.0

m/z-->

Ref

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Sub

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Ref

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Sub

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Ref

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Sub

50

0

120 140 160 180 200 220 240 260

Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->

Ref

50

0

120 140 160 180 200 220 240 260

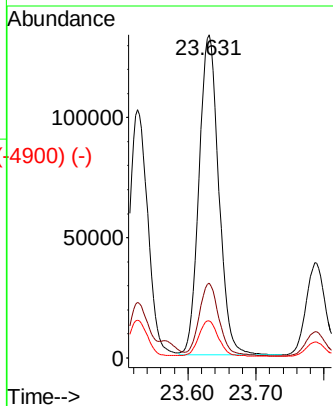
Abundance

Scan 4928 (23.631 min): BM039837.D\data.ms (-4900) (-)

252.0

125.0

m/z-->



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

Indeno(1,2,3-cd)pyrene

Concen: 5.061 ng/ul

RT: 26.159 min Scan# 5742

Delta R.T. -0.028 min

Lab File: BM039837.D

Acq: 05 May 2023 09:43

Tgt Ion:276 Resp: 185187

Ion Ratio Lower Upper

276 100

138 21.9 21.1 31.7

227 0.2 0.1 0.1#

Abundance Scan 5742 (26.159 min): BM039837.D\data.ms

276.0

138.0

m/z-->

Ref

50

0

140 160 180 200 220 240 260 280

Abundance

Scan 5742 (26.159 min): BM039837.D\data.ms (-5691) (-)

276.0

138.0

m/z-->

Sub

50

0

140 160 180 200 220 240 260 280

Abundance

Scan 5742 (26.159 min): BM039837.D\data.ms (-5691) (-)

276.0

138.0

m/z-->

Ref

50

0

140 160 180 200 220 240 260 280

Abundance

Scan 5742 (26.159 min): BM039837.D\data.ms (-5691) (-)

276.0

138.0

m/z-->

Ref

50

0

140 160 180 200 220 240 260 280

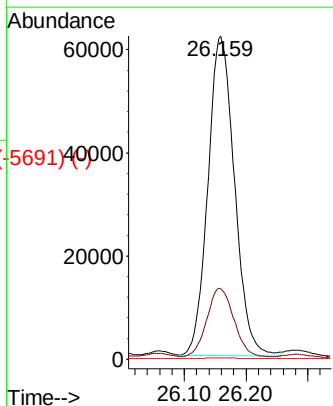
Abundance

Scan 5742 (26.159 min): BM039837.D\data.ms (-5691) (-)

276.0

138.0

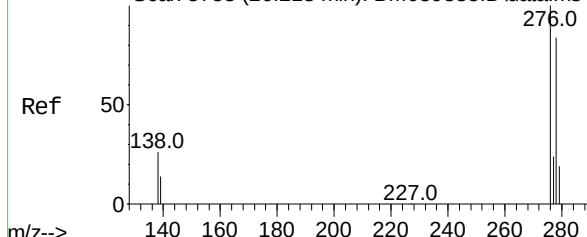
m/z-->



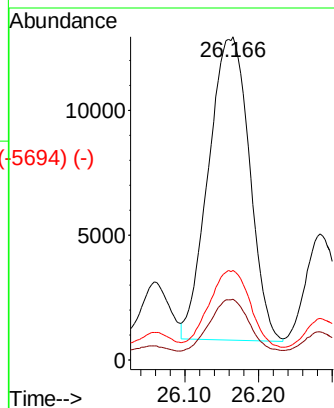
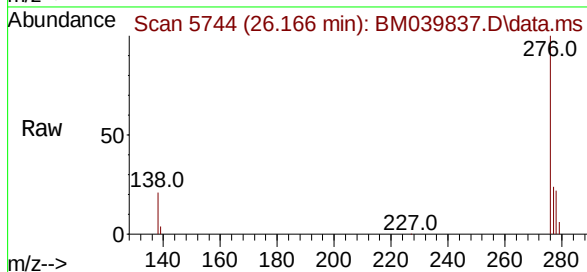
Abundance Scan 5758 (26.213 min): BM039835.D\data.ms (-5728) (-)

Dibenzo(a,h)anthracene
Concen: 1.646 ng/ul
RT: 26.166 min Scan# 5744
Delta R.T. -0.032 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

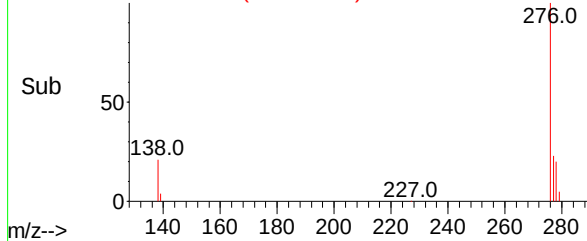
Instrument :
BNA_M
ClientSampleId :
EW916DL



Tgt Ion:	278	Resp:	46752
Ion Ratio	Lower	Upper	
278	100		
139	18.7	17.0	25.6
279	27.7	23.4	35.2



Abundance Scan 5744 (26.166 min): BM039837.D\data.ms (-5694) (-)



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

Benzo(g,h,i)perylene
Concen: 5.212 ng/ul
RT: 26.907 min Scan# 5965
Delta R.T. -0.025 min
Lab File: BM039837.D
Acq: 05 May 2023 09:43

Tgt Ion:	276	Resp:	166181
Ion Ratio	Lower	Upper	
276	100		
138	22.1	20.1	30.1
277	24.1	20.1	30.1

