

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037938.D
 Acq On : 10 Dec 2022 17:17
 Operator : CG/JU
 Sample : N5896-12MEDL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0MEDL

Quant Time: Dec 11 21:27:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

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

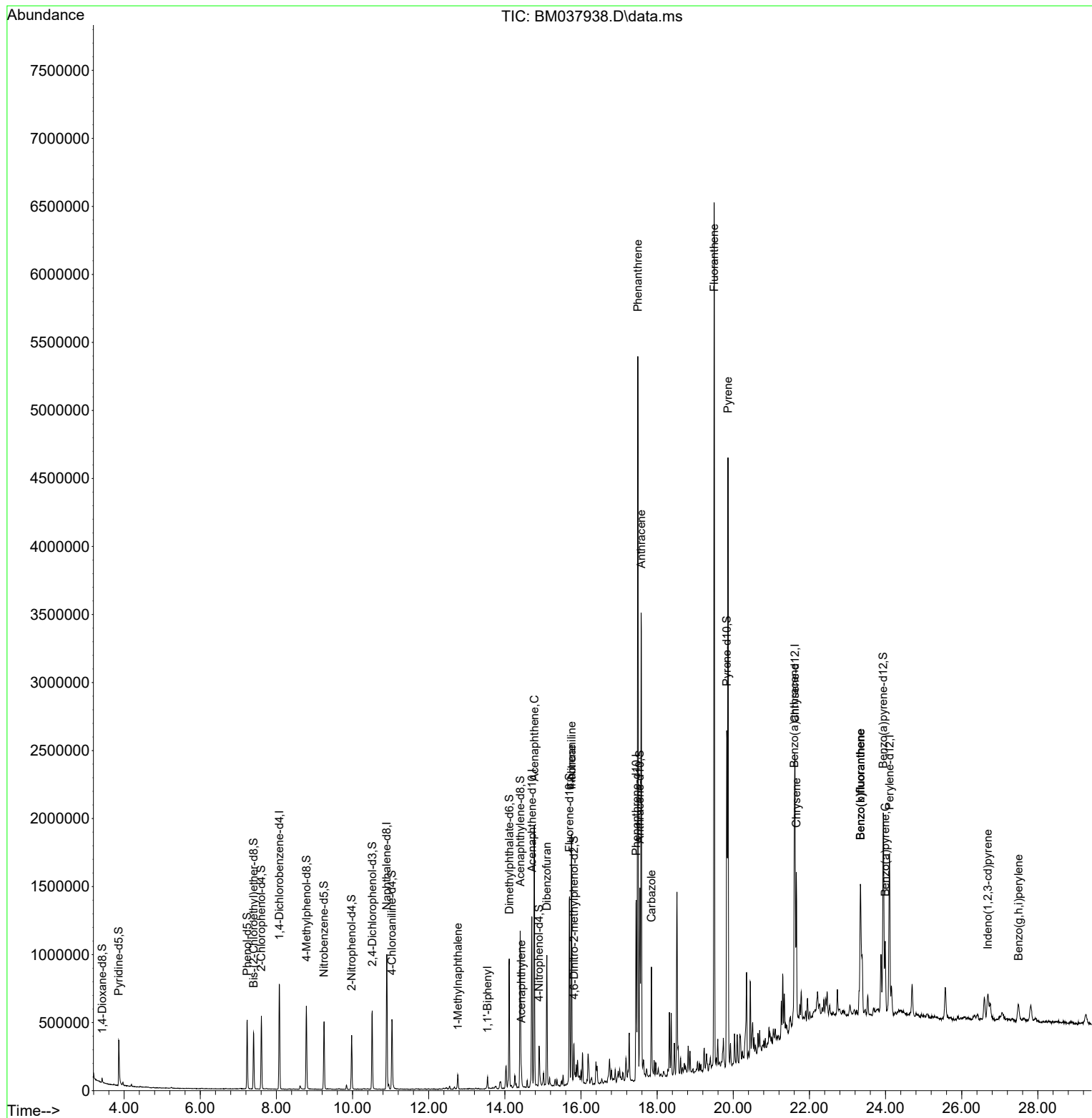
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	214322	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	802567	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	425371	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	838444	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	829325	20.000	ng/ul	0.00
88) Perylene-d12	24.103	264	961323	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	13949	2.955	ng/uL	0.00
4) Pyridine-d5	3.857	84	172299	12.305	ng/ul	0.00
7) Phenol-d5	7.234	99	274582	15.766	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.398	67	173539	16.364	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	236683	16.566	ng/ul	0.00
15) 4-Methylphenol-d8	8.786	113	219365	16.136	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	120323	18.935	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	124572	18.707	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	213917	16.913	ng/ul	0.00
31) 4-Chloroaniline-d4	11.033	131	281390	16.117	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	623502	20.560	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	738845	19.934	ng/ul	0.00
54) 4-Nitrophenol-d4	14.898	143	79347	15.352	ng/ul	0.00
60) Fluorene-d10	15.698	176	546737	20.236	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	61781	13.782	ng/ul	0.00
73) Anthracene-d10	17.545	188	803684	20.538	ng/ul	0.00
81) Pyrene-d10	19.827	212	981078	19.693	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.938	264	1010529	21.046	ng/ul	0.00
Target Compounds						Qvalue
37) 1-Methylnaphthalene	12.763	142	47220	1.644	ng/ul	95
43) 1,1'-Biphenyl	13.545	154	42176	1.234	ng/ul	96
50) Acenaphthylene	14.433	152	84568	2.075	ng/ul	98
52) Acenaphthene	14.774	153	773672	27.446	ng/ul	99
56) Dibenzofuran	15.104	168	590708	15.349	ng/ul	100
61) Fluorene	15.751	166	806530	25.697	ng/ul	98
63) 4-Nitroaniline	15.751	138	9249	1.759	ng/ul#	28
72) Phenanthrene	17.492	178	3139048	68.557	ng/ul	99
74) Anthracene	17.580	178	2125678	45.683	ng/ul	99
77) Carbazole	17.851	167	495374	12.288	ng/ul	99
80) Fluoranthene	19.498	202	3736542	63.553	ng/ul	99
82) Pyrene	19.862	202	2720278	44.457	ng/ul	99
85) Benzo(a)anthracene	21.603	228	643665	11.528	ng/ul	98
87) Chrysene	21.656	228	715515	13.659	ng/ul	98
90) Benzo(b)fluoranthene	23.338	252	935519	15.697	ng/ul	99
91) Benzo(k)fluoranthene	23.338	252	935519	16.197	ng/ul	99
93) Benzo(a)pyrene	23.991	252	387169	7.387	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.685	276	219112	3.246	ng/ul	95
96) Benzo(g,h,i)perylene	27.491	276	168695	3.130	ng/ul	96

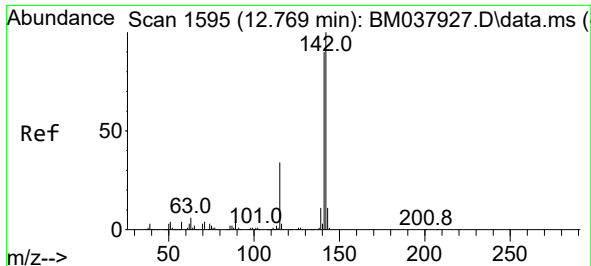
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#37

1-Methylnaphthalene

Concen: 1.644 ng/ul

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037938.D

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Instrument :

BNA_M

ClientSampleId :

DBXN0MEDL

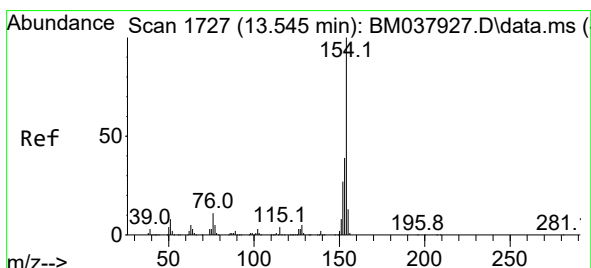
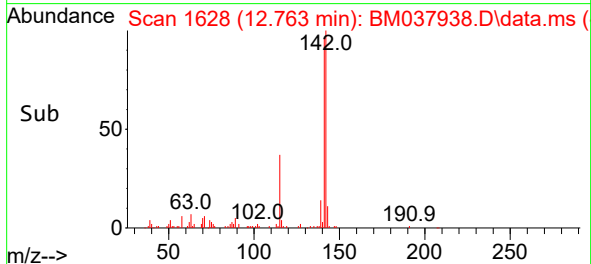
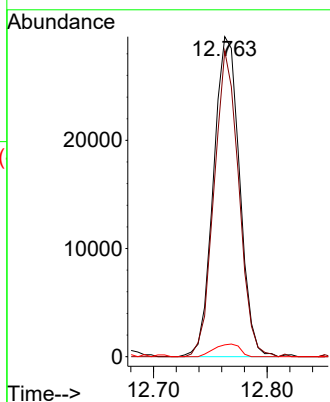
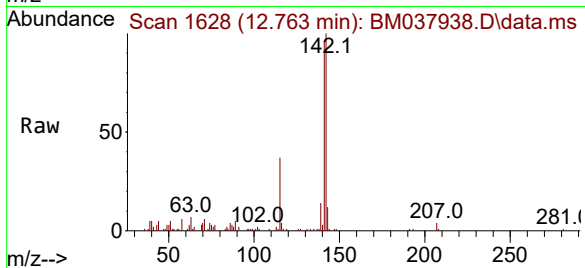
Tgt Ion:142 Resp: 47220

Ion Ratio Lower Upper

142 100

141 95.6 72.4 108.6

116 3.7 2.9 4.3



#43

1,1'-Biphenyl

Concen: 1.234 ng/ul

RT: 13.545 min Scan# 1761

Delta R.T. -0.006 min

Lab File: BM037938.D

Acq: 10 Dec 2022 17:17

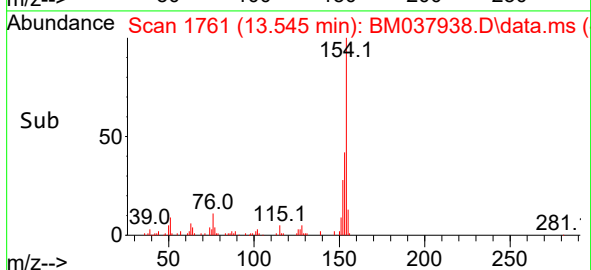
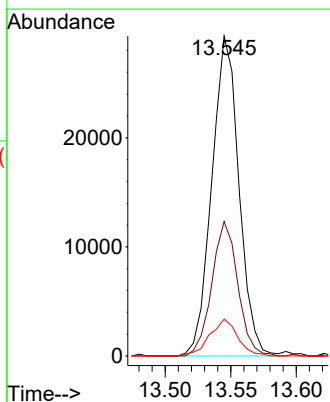
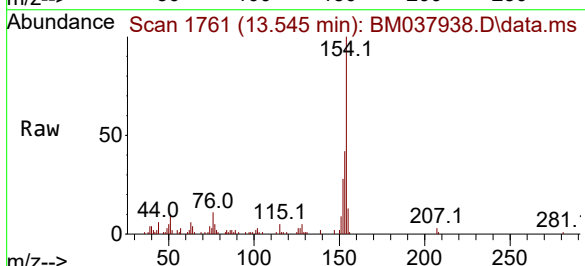
Tgt Ion:154 Resp: 42176

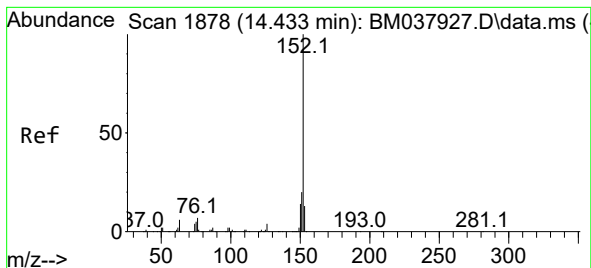
Ion Ratio Lower Upper

154 100

153 42.0 31.2 46.8

76 11.5 9.3 13.9





#50

Acenaphthylene

Concen: 2.075 ng/ul

RT: 14.433 min Scan# 1878

Delta R.T. -0.006 min

Lab File: BM037938.D

Acq: 10 Dec 2022 17:17

Instrument :

BNA_M

ClientSampleId :

DBXN0MEDL

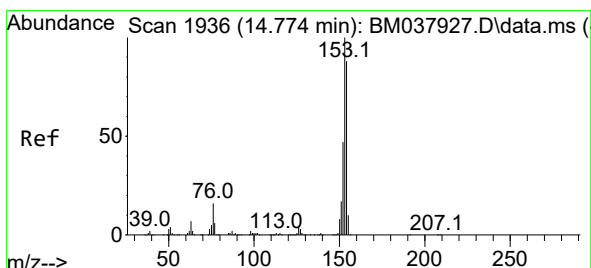
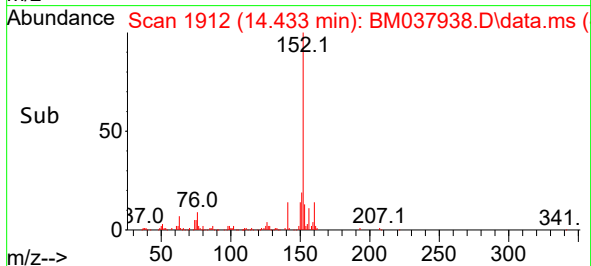
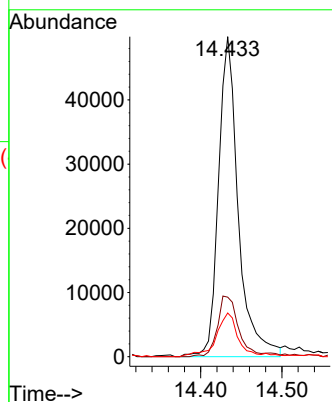
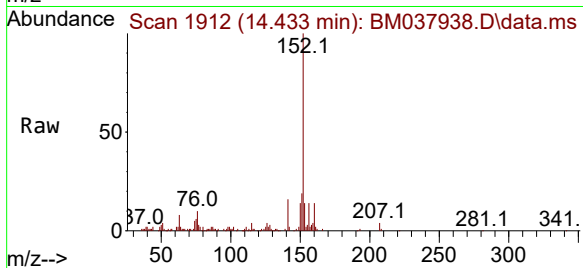
Tgt Ion:152 Resp: 84568

Ion Ratio Lower Upper

152 100

151 18.6 15.3 22.9

153 13.7 10.2 15.4



#52

Acenaphthene

Concen: 27.446 ng/ul

RT: 14.774 min Scan# 1970

Delta R.T. -0.000 min

Lab File: BM037938.D

Acq: 10 Dec 2022 17:17

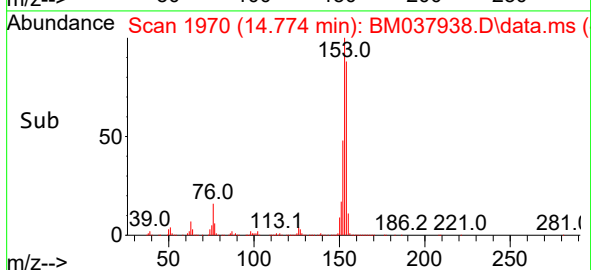
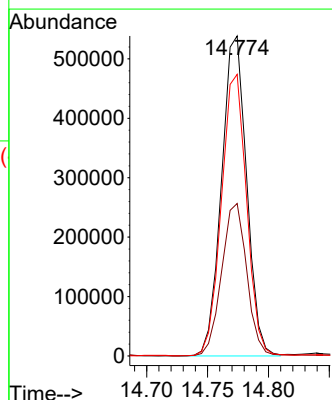
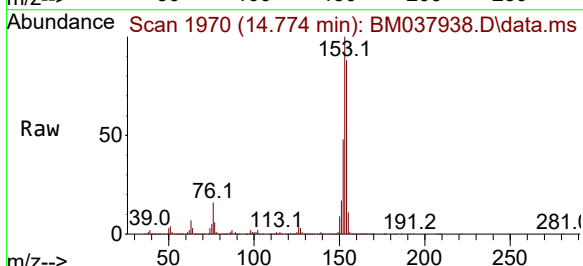
Tgt Ion:153 Resp: 773672

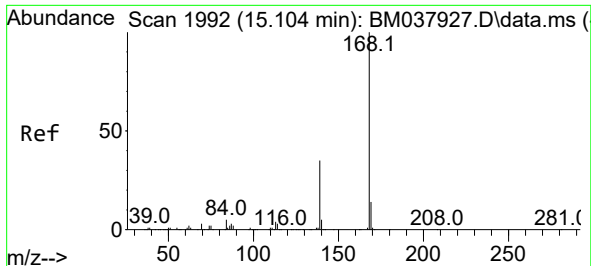
Ion Ratio Lower Upper

153 100

152 47.7 38.2 57.4

154 88.0 71.4 107.0

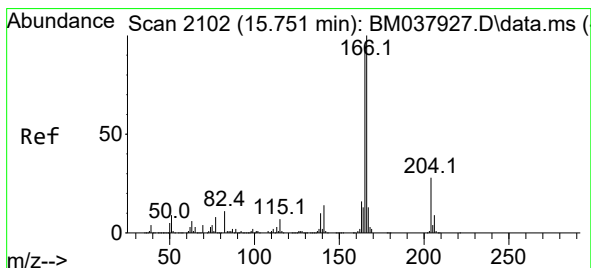
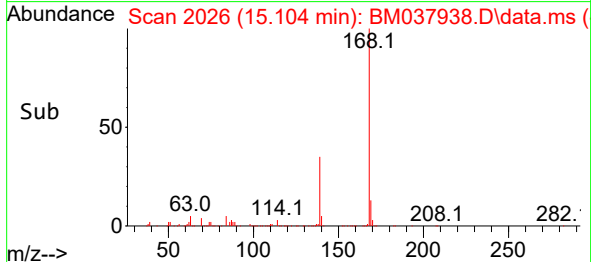
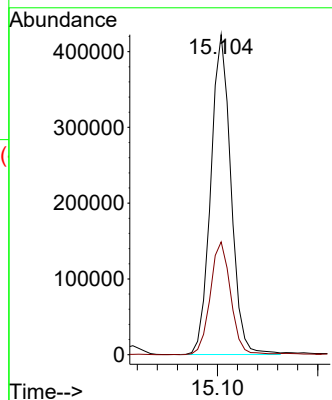
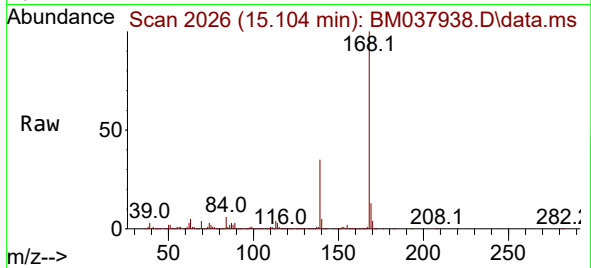




#56
Dibenzenofuran
Concen: 15.349 ng/ul
RT: 15.104 min Scan# 20136
Delta R.T. -0.006 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

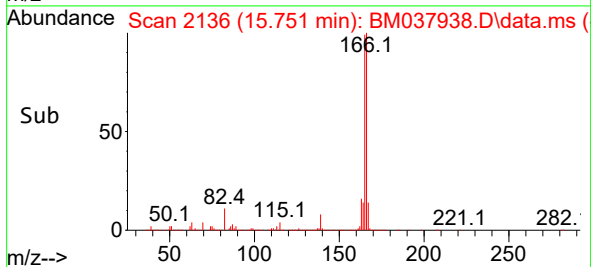
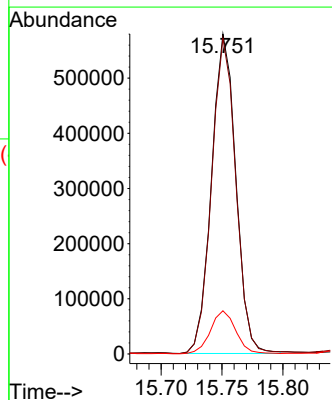
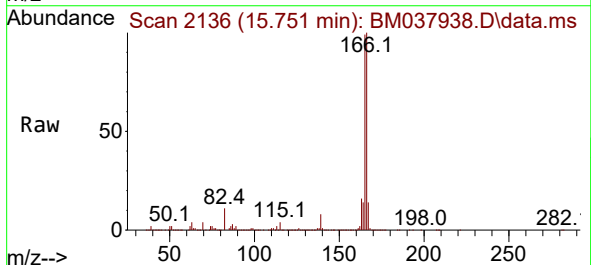
Instrument :
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DBXN0MEDL

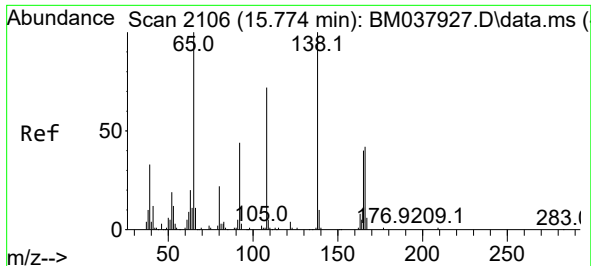
Tgt Ion:168 Resp: 590708
Ion Ratio Lower Upper
168 100
139 35.3 28.1 42.1



#61
Fluorene
Concen: 25.697 ng/ul
RT: 15.751 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:166 Resp: 806530
Ion Ratio Lower Upper
166 100
165 98.7 77.2 115.8
167 13.5 10.4 15.6

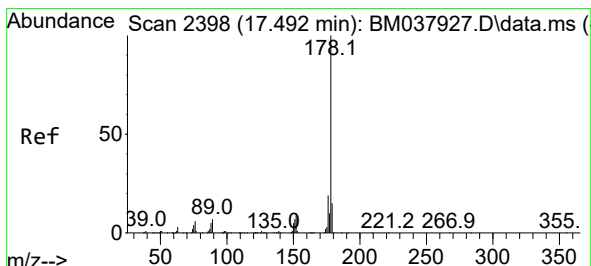
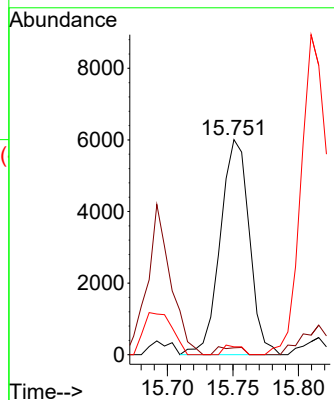
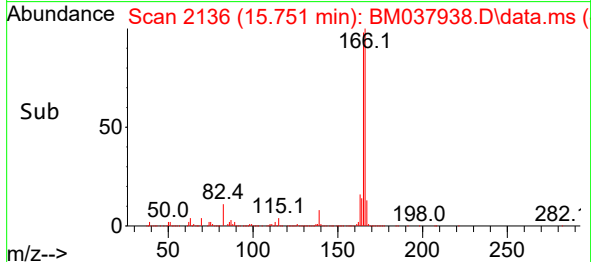
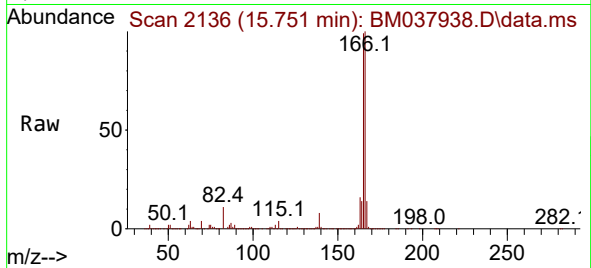




#63
4-Nitroaniline
Concen: 1.759 ng/ul
RT: 15.751 min Scan# 2106
Delta R.T. -0.024 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

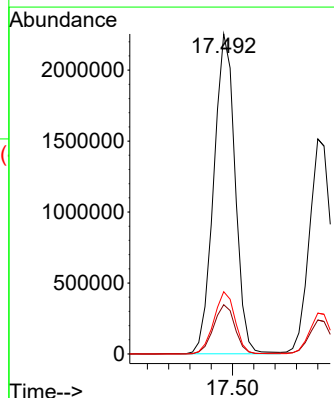
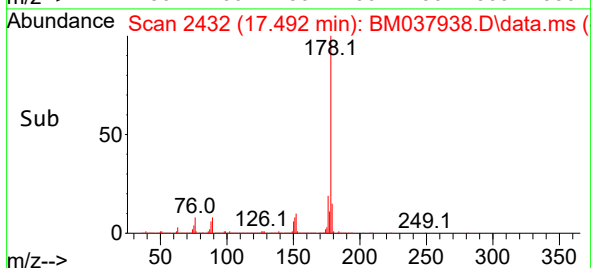
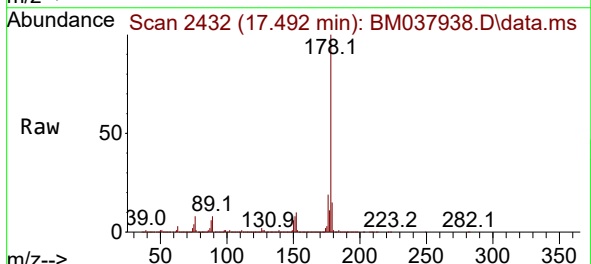
Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

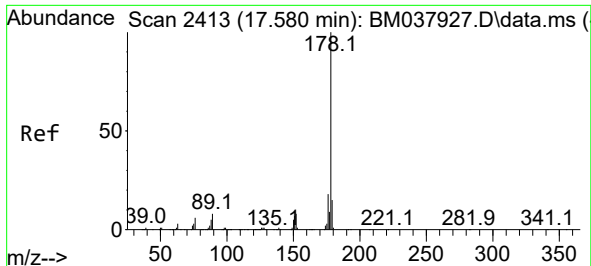
Tgt Ion:138 Resp: 9249
Ion Ratio Lower Upper
138 100
92 3.2 36.1 54.1#
108 3.7 51.6 77.4#



#72
Phenanthrene
Concen: 68.557 ng/ul
RT: 17.492 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:178 Resp: 3139048
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 19.4 15.4 23.0

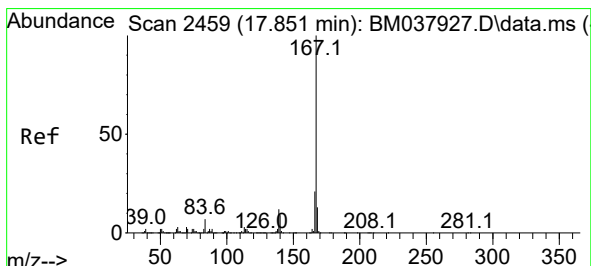
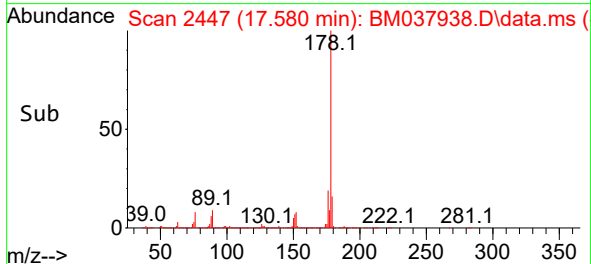
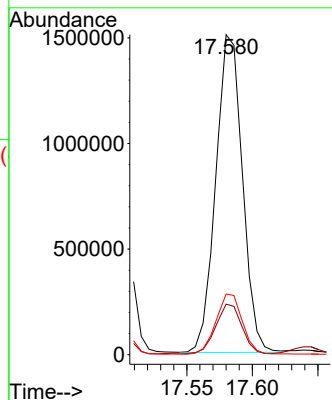
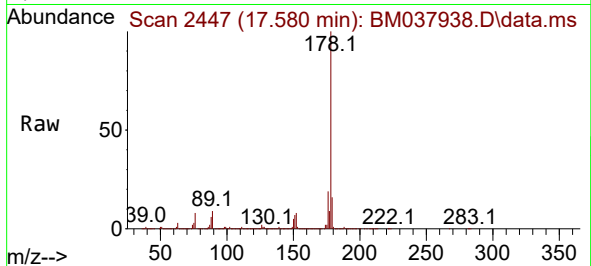




#74
 Anthracene
 Concen: 45.683 ng/ul
 RT: 17.580 min Scan# 2413
 Delta R.T. -0.006 min
 Lab File: BM037938.D
 Acq: 10 Dec 2022 17:17

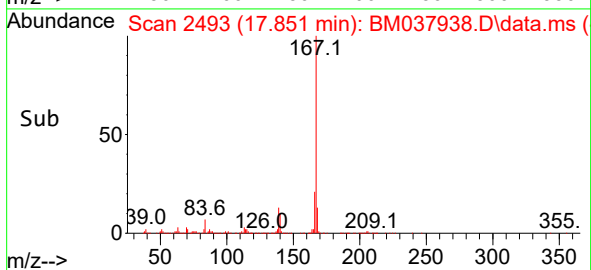
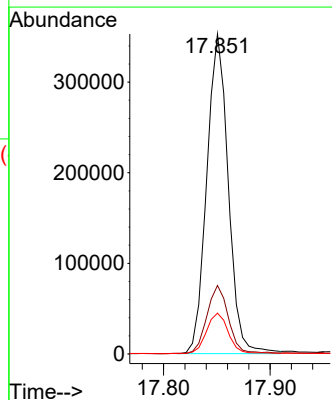
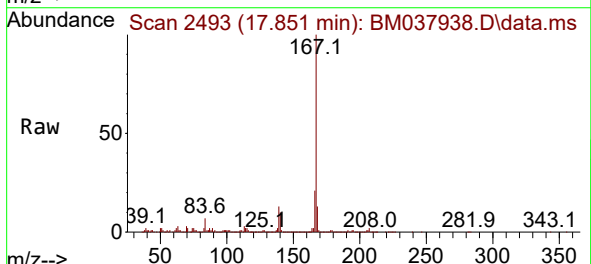
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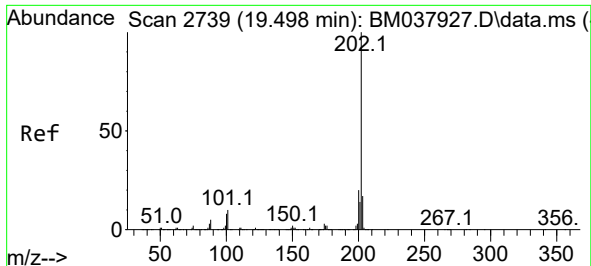
Tgt Ion:178 Resp: 2125678
 Ion Ratio Lower Upper
 178 100
 179 15.8 11.8 17.8
 176 19.0 15.0 22.6



#77
 Carbazole
 Concen: 12.288 ng/ul
 RT: 17.851 min Scan# 2493
 Delta R.T. -0.006 min
 Lab File: BM037938.D
 Acq: 10 Dec 2022 17:17

Tgt Ion:167 Resp: 495374
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.7 25.1
 139 12.8 9.8 14.6

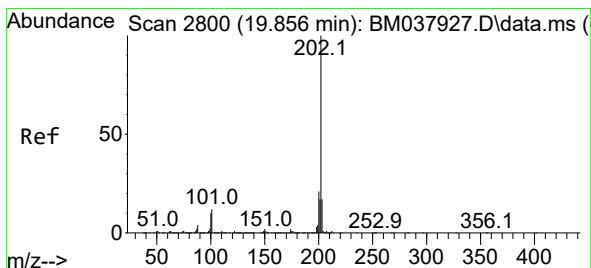
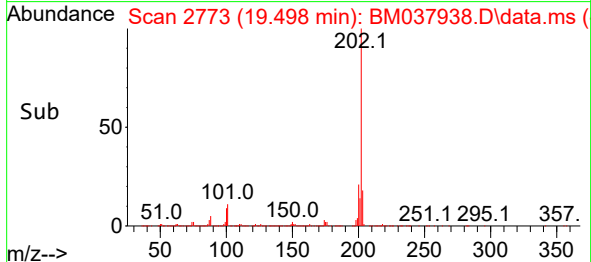
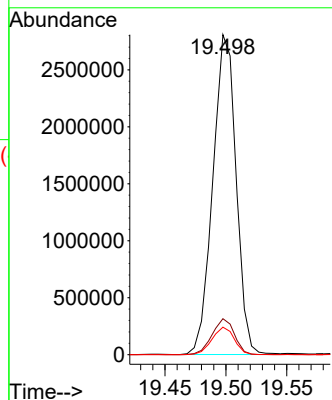
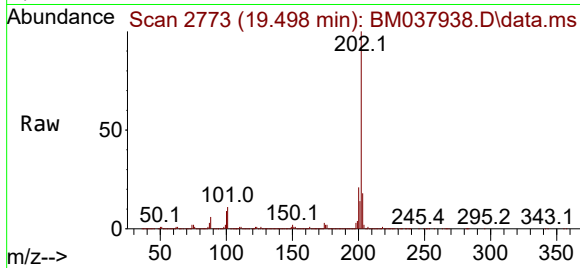




#80
Fluoranthene
Concen: 63.553 ng/ul
RT: 19.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

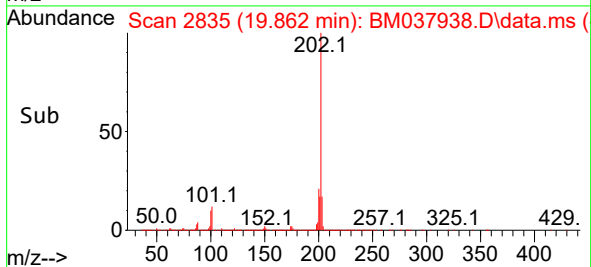
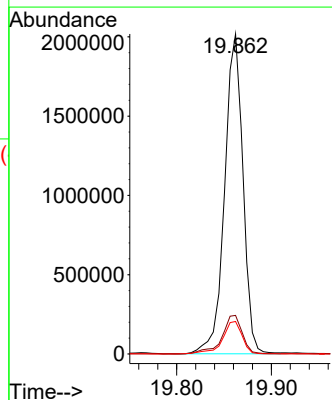
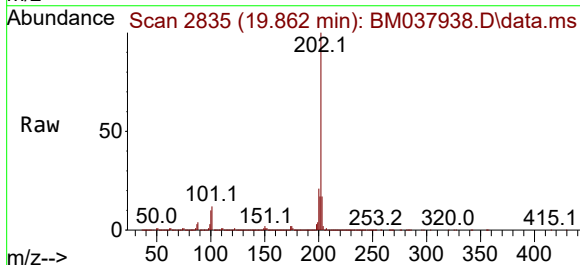
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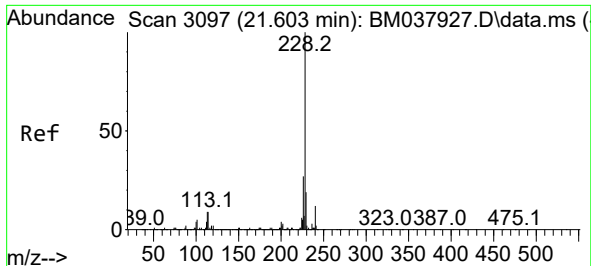
Tgt Ion:202 Resp: 3736542
Ion Ratio Lower Upper
202 100
101 11.3 8.6 13.0
100 8.6 6.6 10.0



#82
Pyrene
Concen: 44.457 ng/ul
RT: 19.862 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:202 Resp: 2720278
Ion Ratio Lower Upper
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101 12.1 10.0 15.0
100 10.2 7.9 11.9

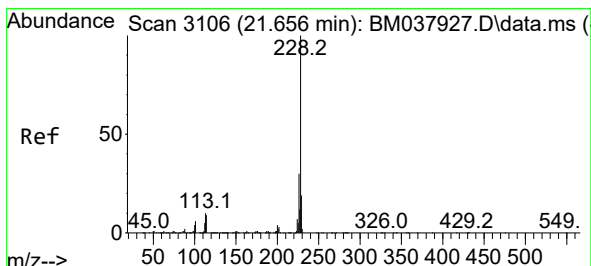
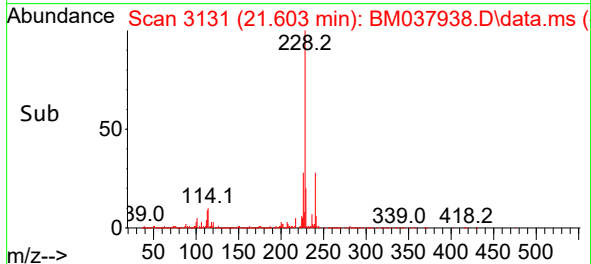
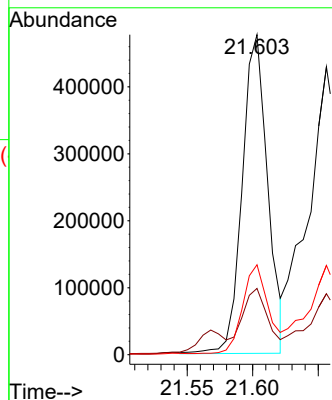
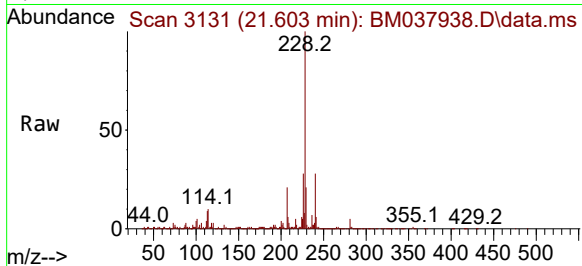




#85
Benzo(a)anthracene
Concen: 11.528 ng/ul
RT: 21.603 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

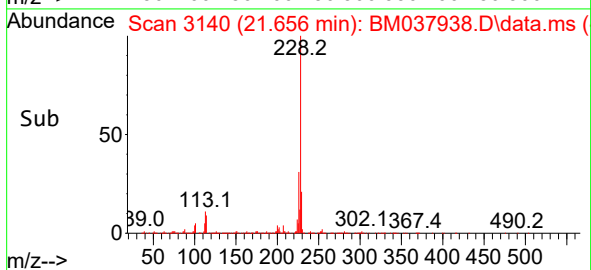
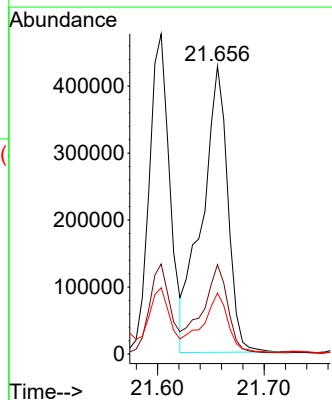
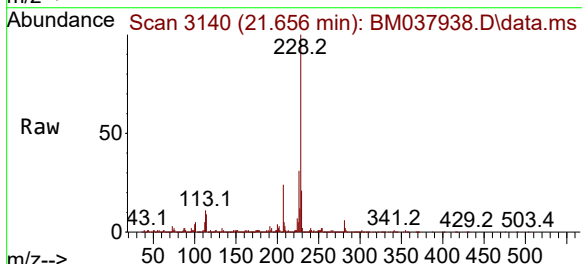
Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

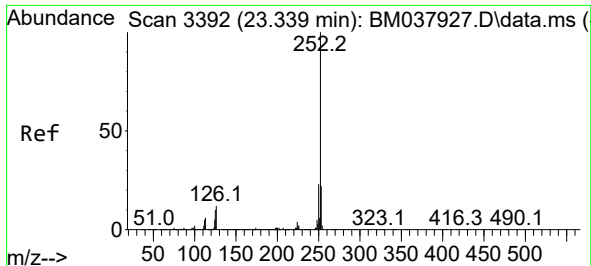
Tgt Ion:228 Resp: 643665
Ion Ratio Lower Upper
228 100
229 20.7 15.5 23.3
226 28.1 21.8 32.8



#87
Chrysene
Concen: 13.659 ng/ul
RT: 21.656 min Scan# 3140
Delta R.T. -0.006 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:228 Resp: 715515
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 21.2 15.6 23.4

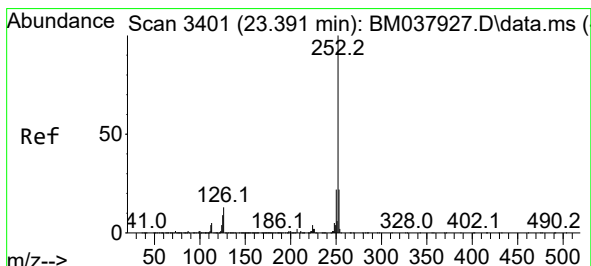
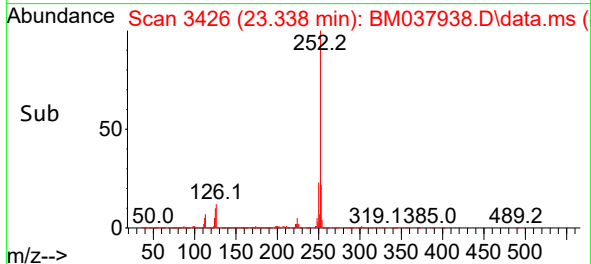
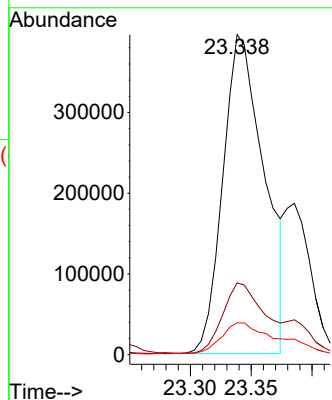
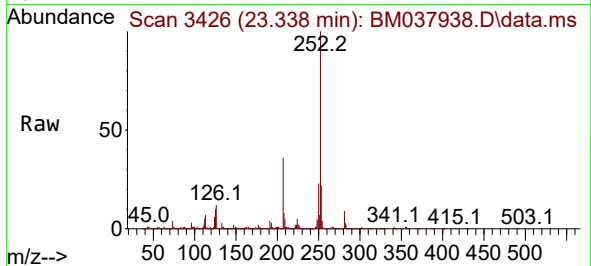




#90
Benzo(b)fluoranthene
Concen: 15.697 ng/ul
RT: 23.338 min Scan# 3426
Delta R.T. -0.006 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

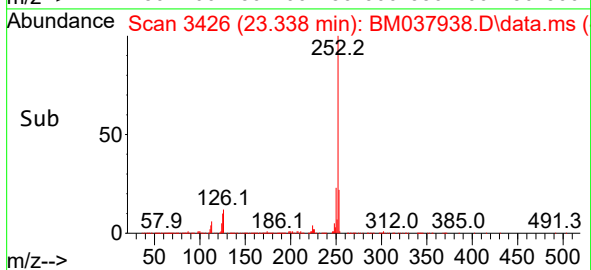
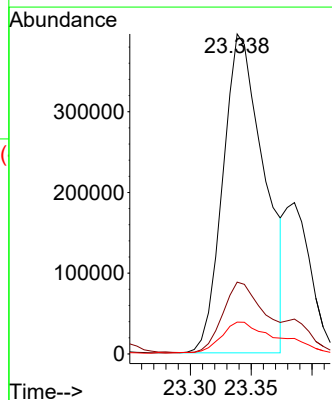
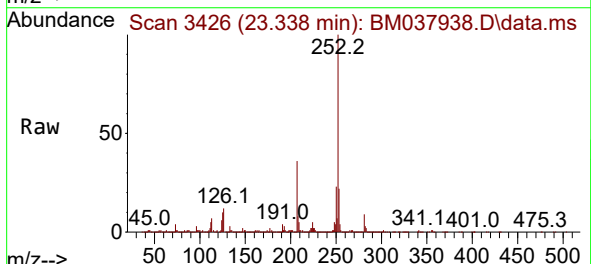
Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

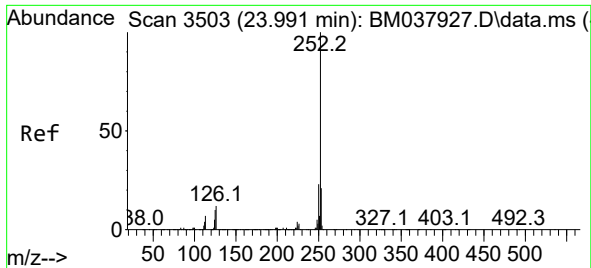
Tgt Ion:252 Resp: 935519
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.0 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 16.197 ng/ul
RT: 23.338 min Scan# 3426
Delta R.T. -0.053 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:252 Resp: 935519
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.0 8.1 12.1

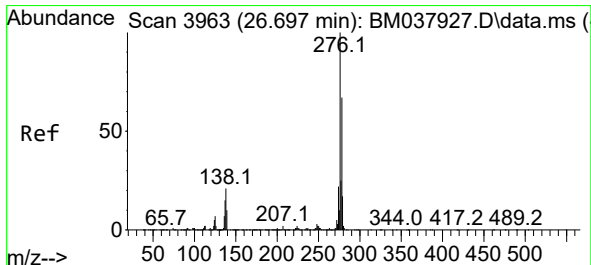
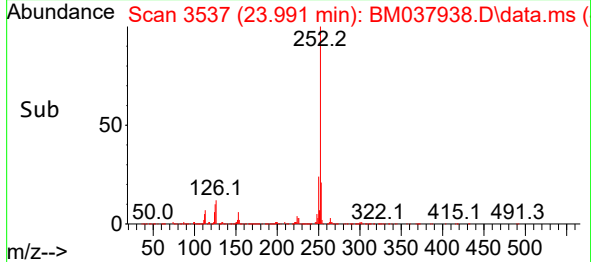
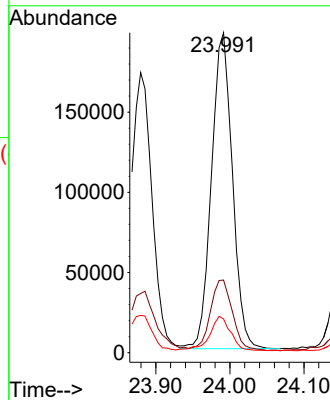
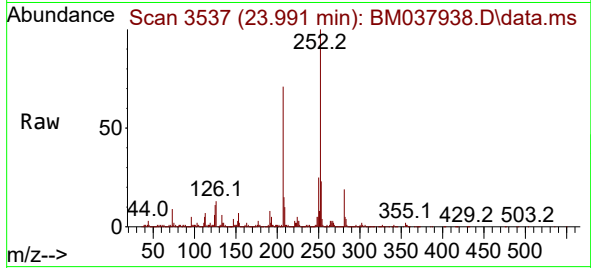




#93
Benzo(a)pyrene
Concen: 7.387 ng/ul
RT: 23.991 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

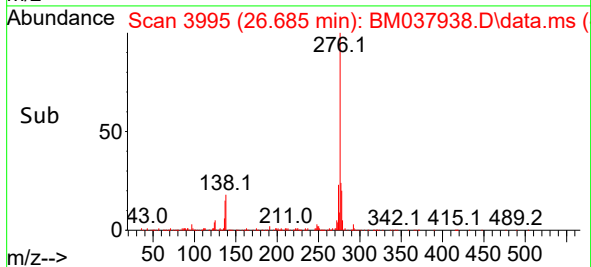
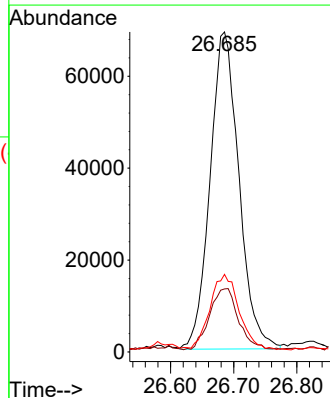
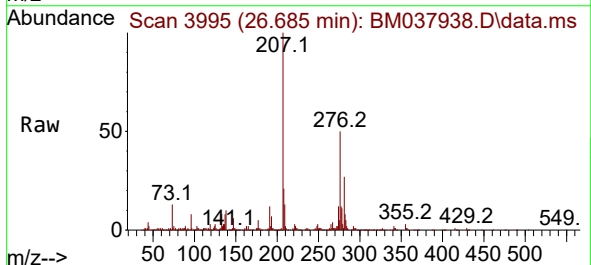
Instrument :
BNA_M
ClientSampleId :
DBXN0MEDL

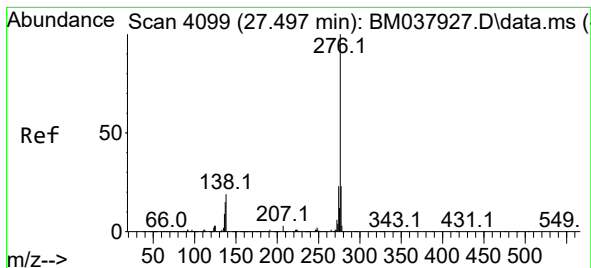
Tgt Ion:252 Resp: 387169
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.5 9.4 14.0



#94
Indeno(1,2,3-cd)pyrene
Concen: 3.246 ng/ul
RT: 26.685 min Scan# 3995
Delta R.T. -0.018 min
Lab File: BM037938.D
Acq: 10 Dec 2022 17:17

Tgt Ion:276 Resp: 219112
Ion Ratio Lower Upper
276 100
138 19.7 19.3 28.9
277 24.2 19.8 29.8





#96

Benzo(g,h,i)perylene

Concen: 3.130 ng/ul

RT: 27.491 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM037938.D

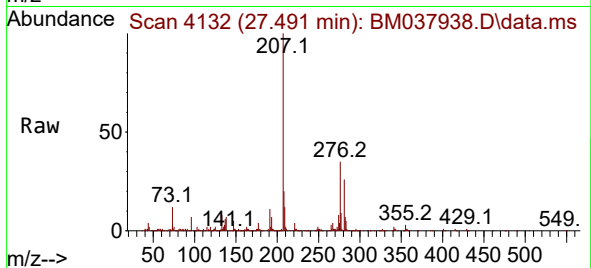
Acq: 10 Dec 2022 17:17

Instrument :

BNA_M

ClientSampleId :

DBXN0MEDL



Tgt Ion:276 Resp: 168695

Ion Ratio Lower Upper

276 100

138 19.1 17.1 25.7

277 24.5 18.2 27.4

