

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037940.D
 Acq On : 10 Dec 2022 18:30
 Operator : CG/JU
 Sample : N5832-20MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL5MEDL

Quant Time: Dec 11 21:28:19 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)

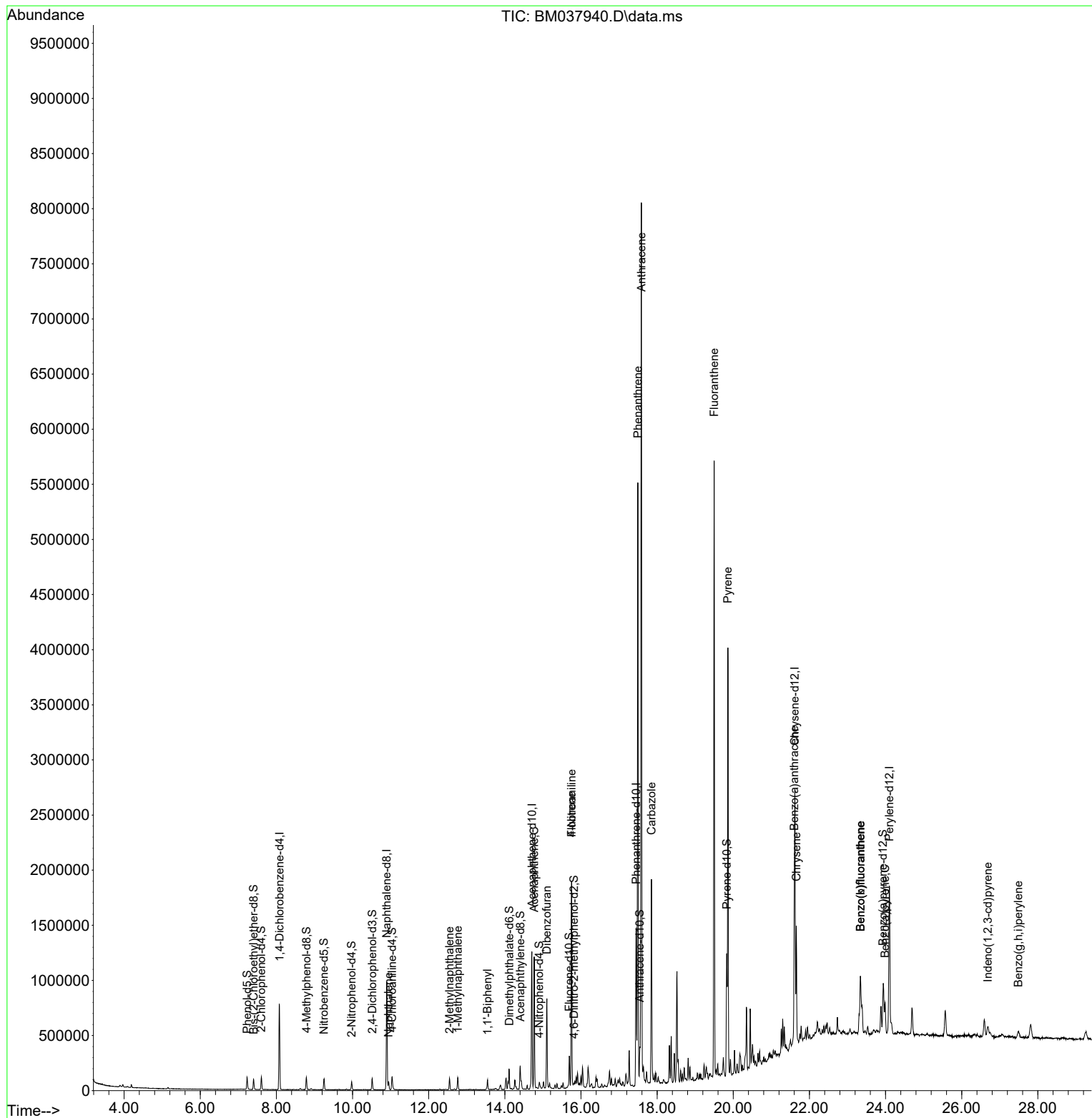
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	214669	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	787103	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	429309	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	921574	20.000	ng/ul	0.00
79) Chrysene-d12	21.615	240	996625	20.000	ng/ul	0.00
88) Perylene-d12	24.097	264	1100203	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	4385	0.927	ng/uL	0.00
4) Pyridine-d5	3.828	84	1813	0.129	ng/ul	-0.03
7) Phenol-d5	7.234	99	57278	3.284	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.398	67	39892	3.756	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	52085	3.640	ng/ul	0.00
15) 4-Methylphenol-d8	8.786	113	41466	3.045	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	24378	3.912	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	22167	3.394	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	41697	3.361	ng/ul	0.00
31) 4-Chloroaniline-d4	11.039	131	67541	3.944	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	123014	4.019	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	139334	3.725	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	9777	1.874	ng/ul	0.00
60) Fluorene-d10	15.692	176	116779	4.283	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	7476	1.517	ng/ul	0.00
73) Anthracene-d10	17.545	188	186110	4.327	ng/ul	0.00
81) Pyrene-d10	19.827	212	236016	3.942	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.933	264	234662	4.270	ng/ul	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.945	128	58812	1.385	ng/ul	98
36) 2-Methylnaphthalene	12.545	142	46423	1.685	ng/ul	97
37) 1-Methylnaphthalene	12.763	142	50123	1.779	ng/ul#	91
43) 1,1'-Biphenyl	13.545	154	43120	1.250	ng/ul	99
52) Acenaphthene	14.768	153	480653	16.895	ng/ul	98
56) Dibenzofuran	15.104	168	510662	13.147	ng/ul	99
61) Fluorene	15.751	166	804049	25.383	ng/ul	99
63) 4-Nitroaniline	15.751	138	8564	1.614	ng/ul#	28
72) Phenanthrene	17.492	178	3212652	63.835	ng/ul	100
74) Anthracene	17.586	178	4896110	95.730	ng/ul	99
77) Carbazole	17.851	167	1178897	26.605	ng/ul	99
80) Fluoranthene	19.498	202	3229769	45.712	ng/ul	100
82) Pyrene	19.856	202	2356049	32.041	ng/ul	99
85) Benzo(a)anthracene	21.603	228	563902	8.404	ng/ul	99
87) Chrysene	21.656	228	646761	10.274	ng/ul	97
90) Benzo(b)fluoranthene	23.338	252	539681	7.912	ng/ul	100
91) Benzo(k)fluoranthene	23.338	252	539681	8.164	ng/ul	100
93) Benzo(a)pyrene	23.985	252	221602	3.695	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.685	276	110264	1.427	ng/ul	93
96) Benzo(g,h,i)perylene	27.485	276	73075	1.185	ng/ul	96

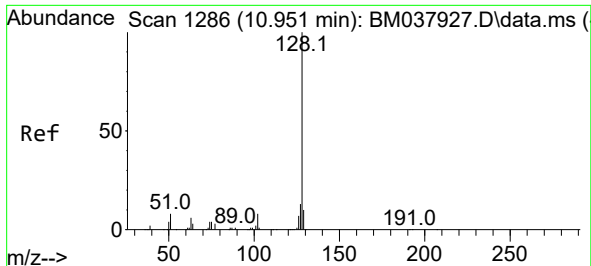
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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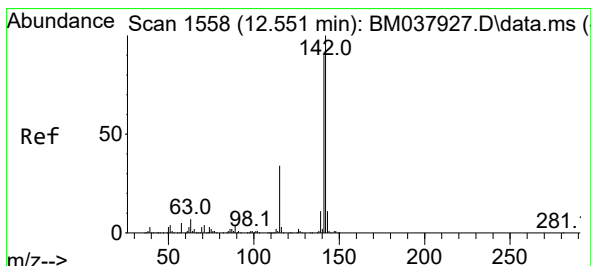
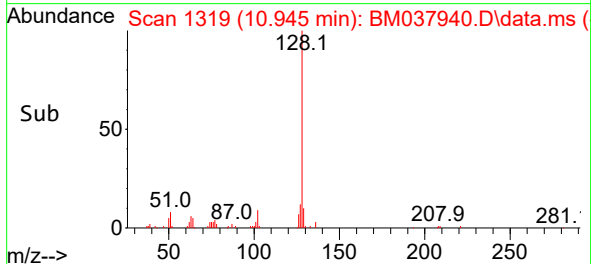
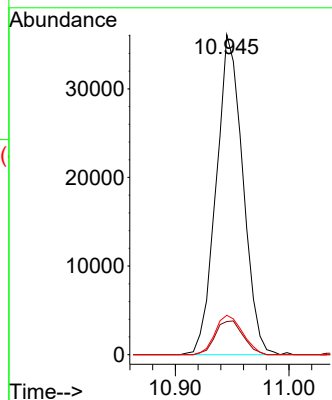
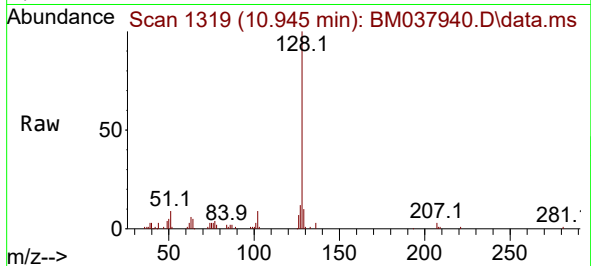




#30
Naphthalene
Concen: 1.385 ng/ul
RT: 10.945 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

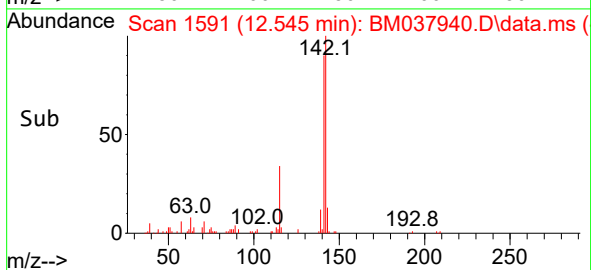
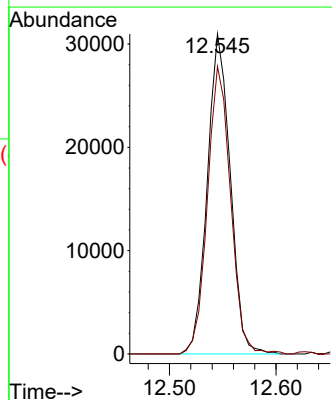
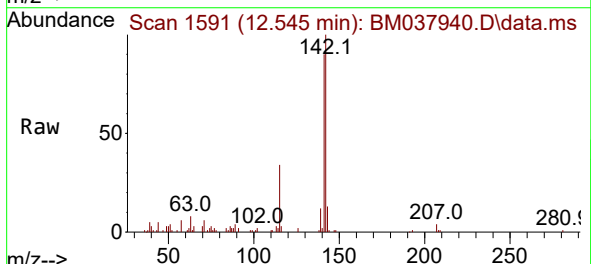
Instrument :
BNA_M
ClientSampleId :
DBXL5MEDL

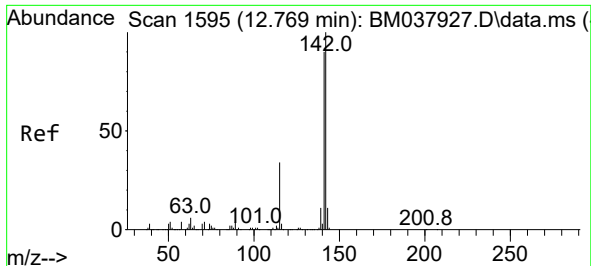
Tgt Ion:128 Resp: 58812
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 12.3 10.4 15.6



#36
2-Methylnaphthalene
Concen: 1.685 ng/ul
RT: 12.545 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

Tgt Ion:142 Resp: 46423
Ion Ratio Lower Upper
142 100
141 89.9 69.4 104.0





#37

1-Methylnaphthalene

Concen: 1.779 ng/ul

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

Instrument :

BNA_M

ClientSampleId :

DBXL5MEDL

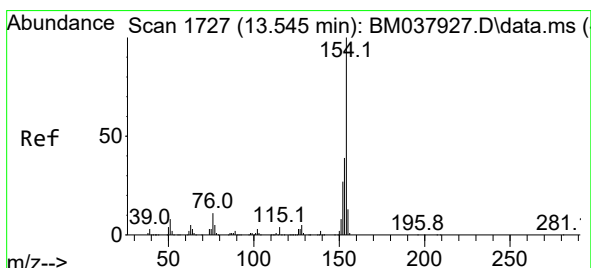
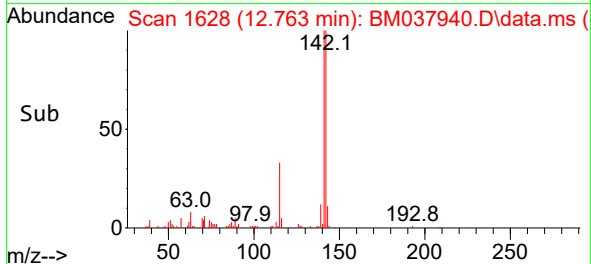
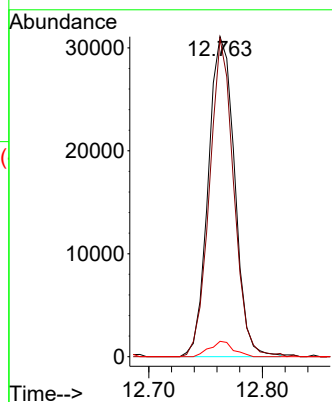
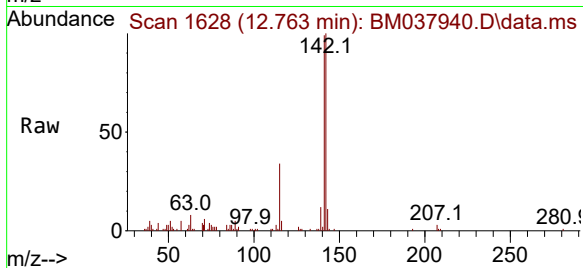
Tgt Ion:142 Resp: 50123

Ion Ratio Lower Upper

142 100

141 99.4 72.4 108.6

116 4.8 2.9 4.3#



#43

1,1'-Biphenyl

Concen: 1.250 ng/ul

RT: 13.545 min Scan# 1761

Delta R.T. -0.006 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

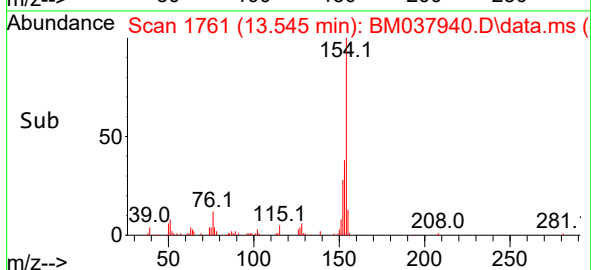
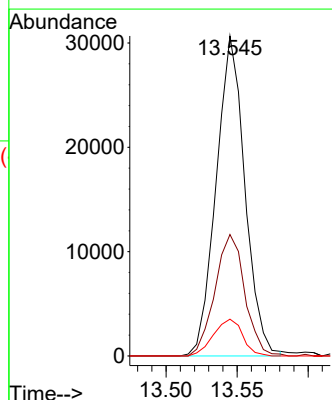
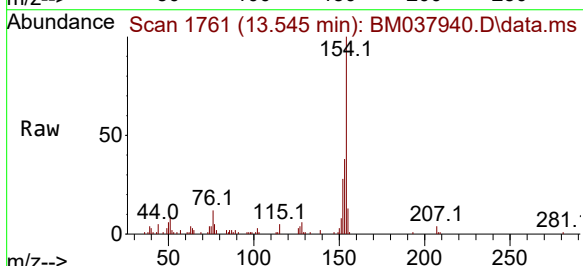
Tgt Ion:154 Resp: 43120

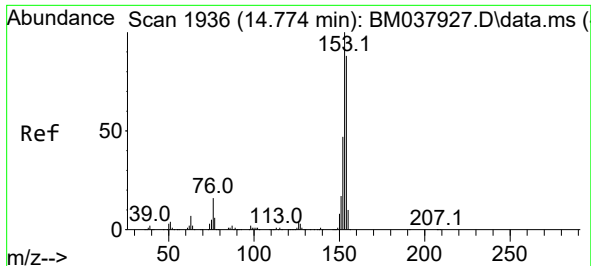
Ion Ratio Lower Upper

154 100

153 38.0 31.2 46.8

76 11.5 9.3 13.9

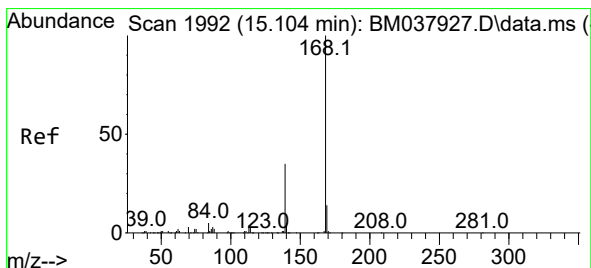
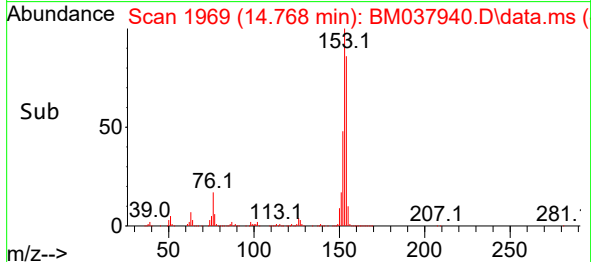
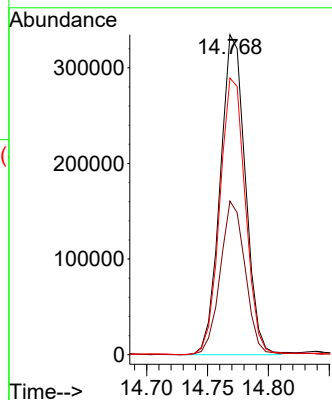
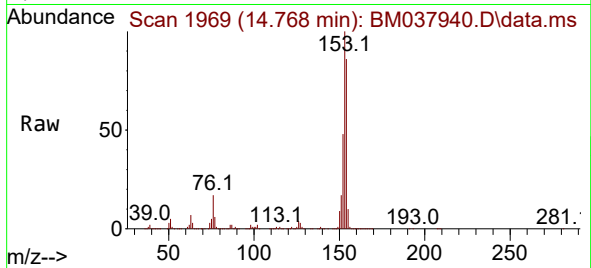




#52
Acenaphthene
Concen: 16.895 ng/ul
RT: 14.768 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

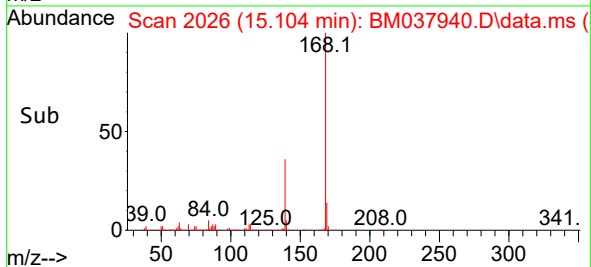
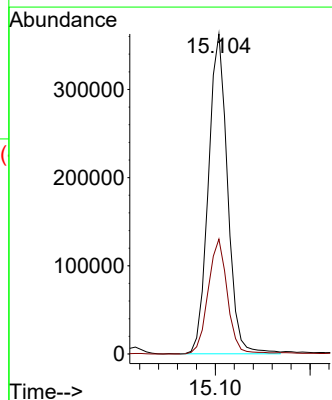
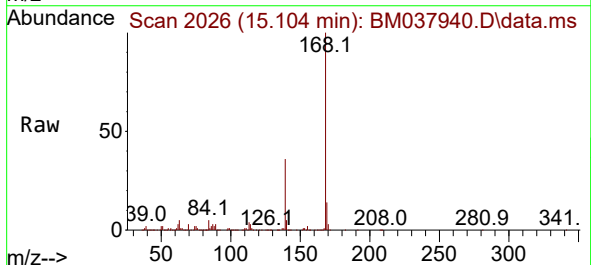
Instrument :
BNA_M
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DBXL5MEDL

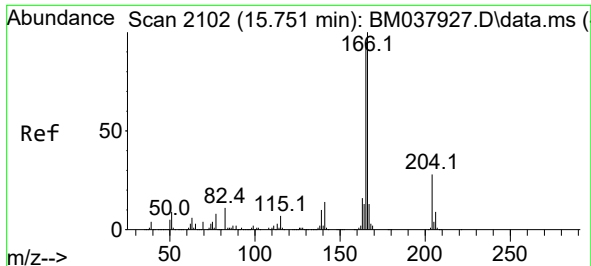
Tgt Ion:153 Resp: 480653
Ion Ratio Lower Upper
153 100
152 48.0 38.2 57.4
154 86.5 71.4 107.0



#56
Dibenzofuran
Concen: 13.147 ng/ul
RT: 15.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

Tgt Ion:168 Resp: 510662
Ion Ratio Lower Upper
168 100
139 35.9 28.1 42.1

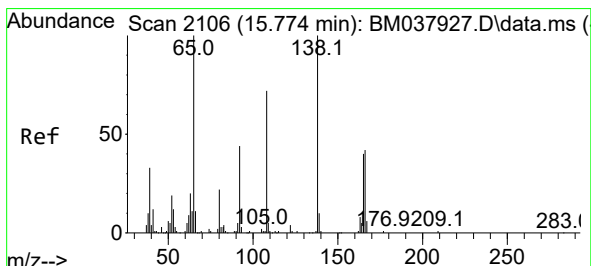
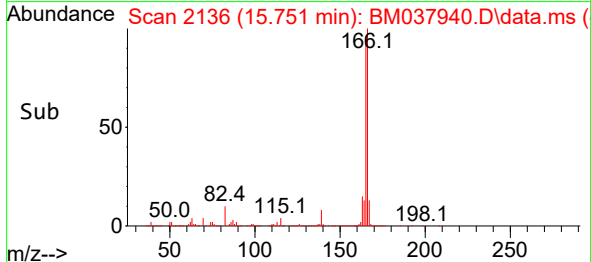
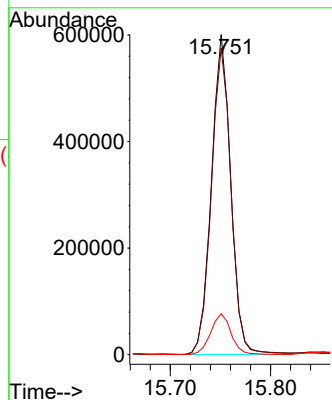
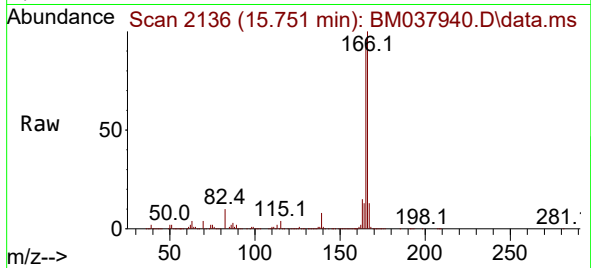




#61
Fluorene
Concen: 25.383 ng/ul
RT: 15.751 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

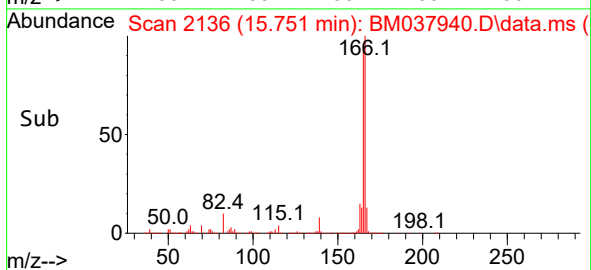
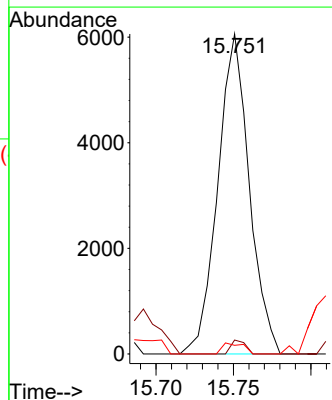
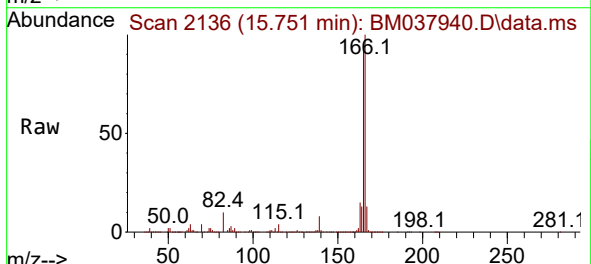
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BNA_M
ClientSampleId :
DBXL5MEDL

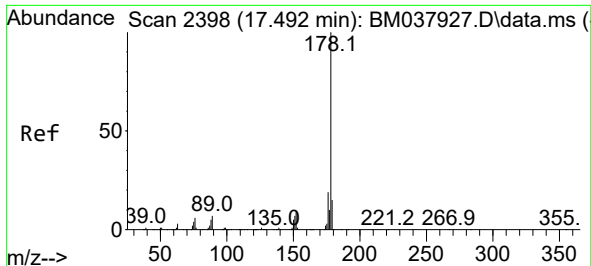
Tgt Ion:166 Resp: 804049
Ion Ratio Lower Upper
166 100
165 95.9 77.2 115.8
167 12.8 10.4 15.6



#63
4-Nitroaniline
Concen: 1.614 ng/ul
RT: 15.751 min Scan# 2136
Delta R.T. -0.024 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

Tgt Ion:138 Resp: 8564
Ion Ratio Lower Upper
138 100
92 4.3 36.1 54.1#
108 2.7 51.6 77.4#

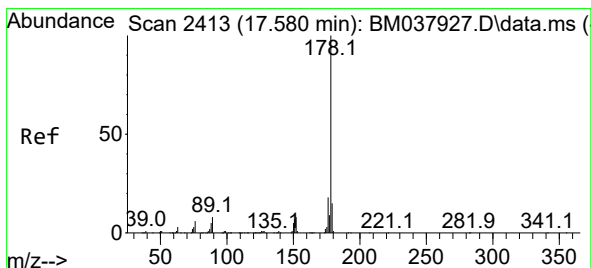
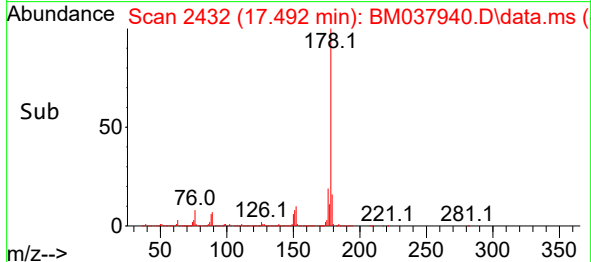
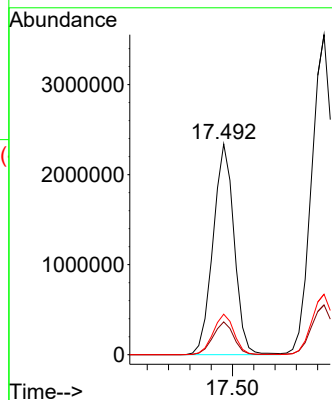
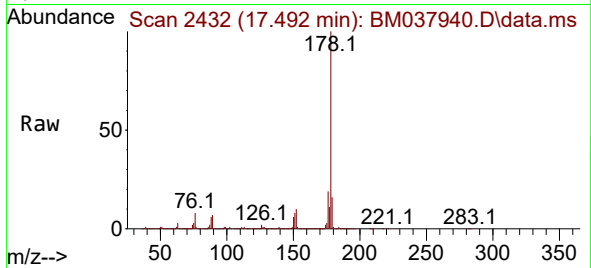




#72
Phenanthrene
Concen: 63.835 ng/ul
RT: 17.492 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

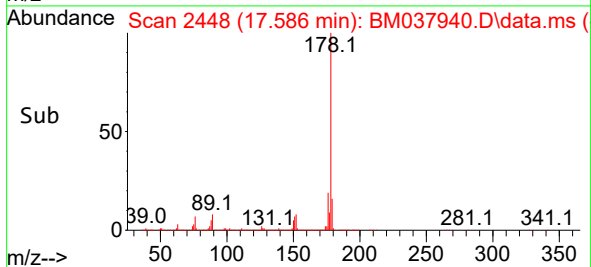
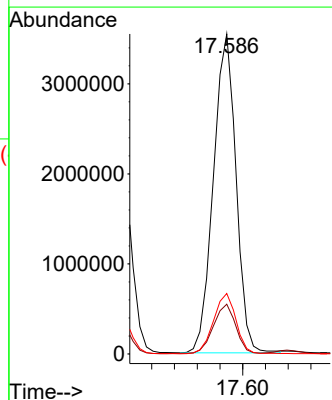
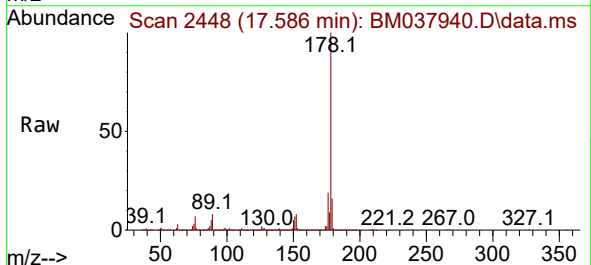
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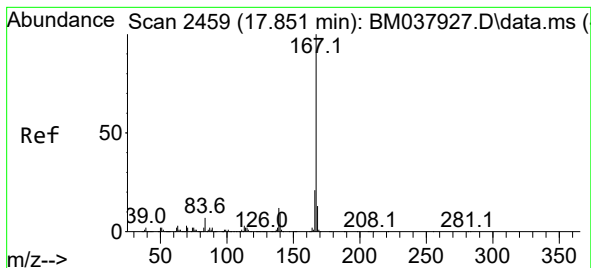
Tgt Ion:178 Resp: 3212652
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.2
176 19.2 15.4 23.0



#74
Anthracene
Concen: 95.730 ng/ul
RT: 17.586 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

Tgt Ion:178 Resp: 4896110
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.8
176 18.9 15.0 22.6





#77

Carbazole

Concen: 26.605 ng/ul

RT: 17.851 min Scan# 2459

Delta R.T. -0.006 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

Instrument :

BNA_M

ClientSampleId :

DBXL5MEDL

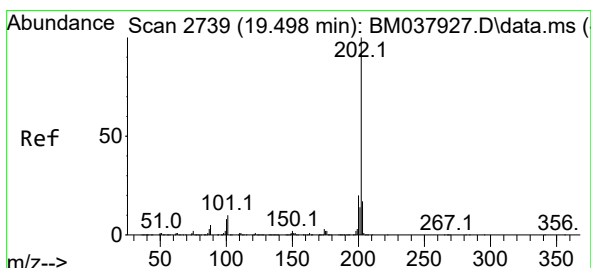
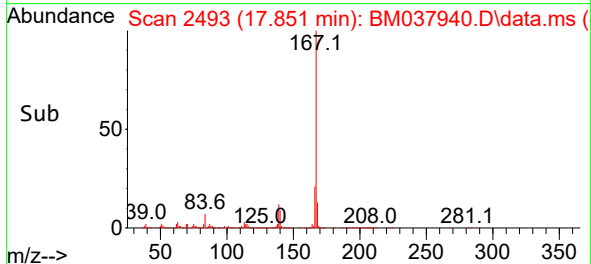
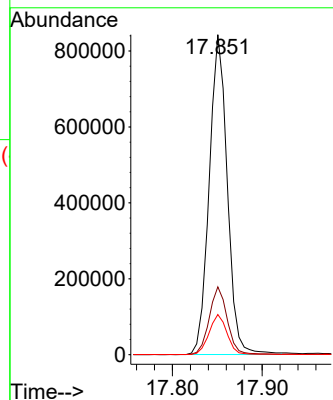
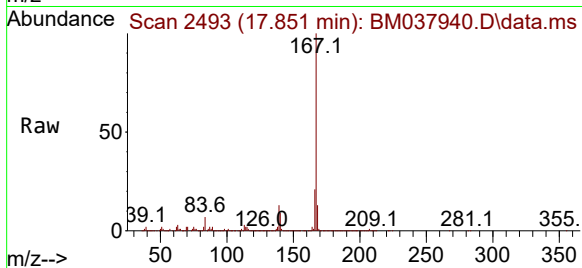
Tgt Ion:167 Resp: 1178897

Ion Ratio Lower Upper

167 100

166 21.2 16.7 25.1

139 12.5 9.8 14.6



#80

Fluoranthene

Concen: 45.712 ng/ul

RT: 19.498 min Scan# 2773

Delta R.T. -0.000 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

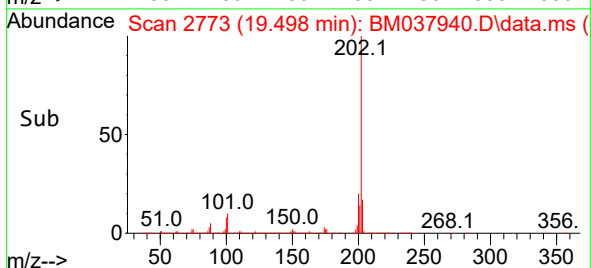
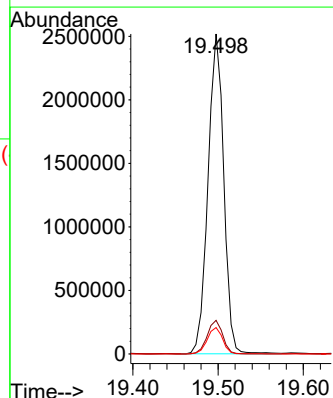
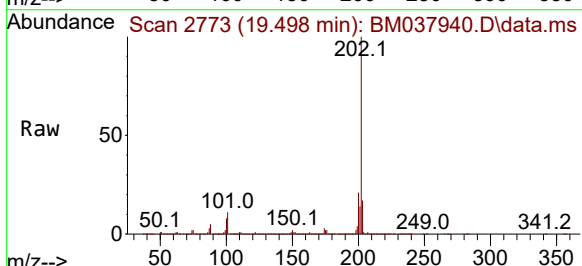
Tgt Ion:202 Resp: 3229769

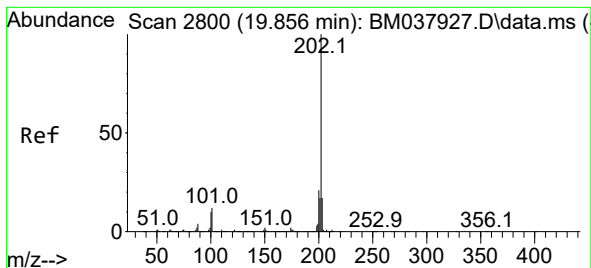
Ion Ratio Lower Upper

202 100

101 10.5 8.6 13.0

100 8.3 6.6 10.0





#82

Pyrene

Concen: 32.041 ng/ul

RT: 19.856 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM037940.D

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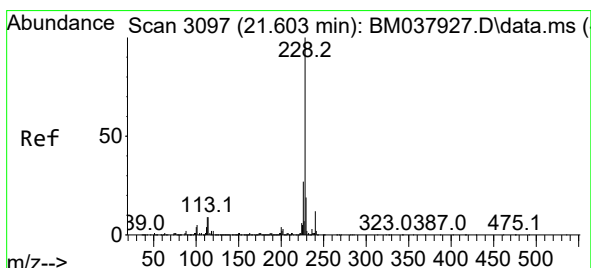
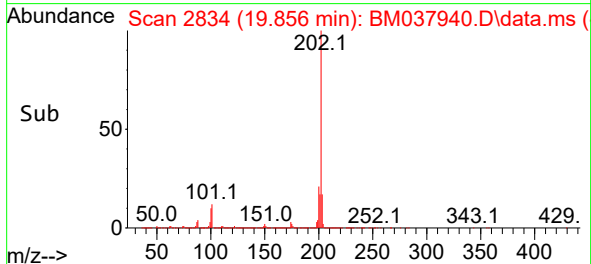
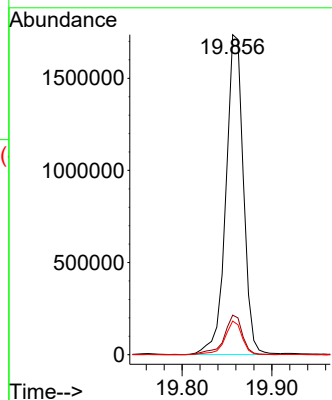
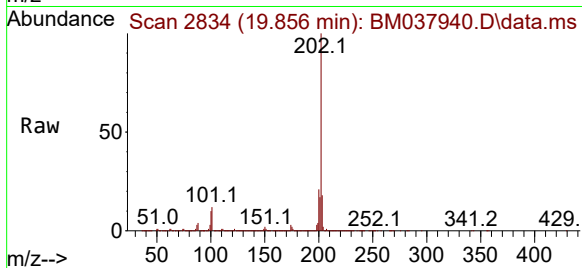
Tgt Ion:202 Resp: 2356049

Ion Ratio Lower Upper

202 100

101 12.4 10.0 15.0

100 10.5 7.9 11.9



#85

Benzo(a)anthracene

Concen: 8.404 ng/ul

RT: 21.603 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

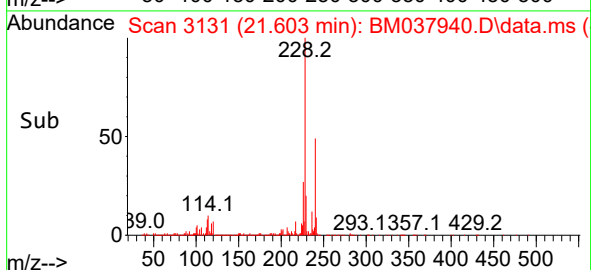
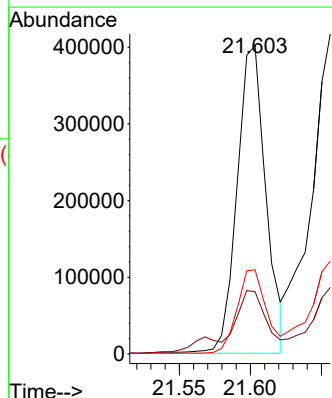
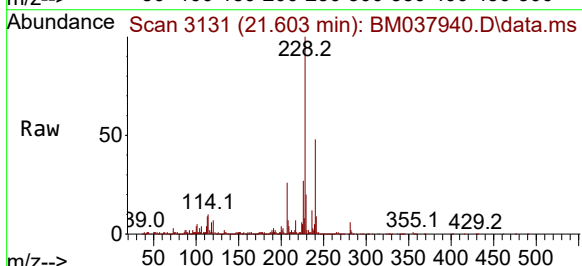
Tgt Ion:228 Resp: 563902

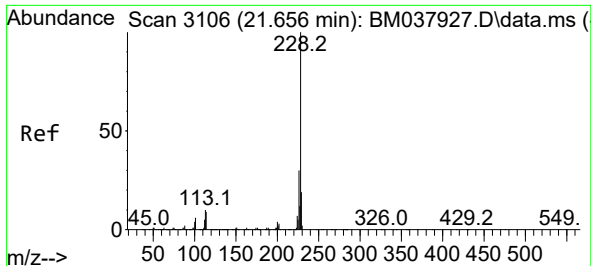
Ion Ratio Lower Upper

228 100

229 20.2 15.5 23.3

226 27.3 21.8 32.8

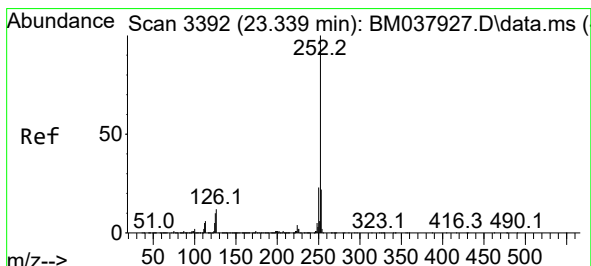
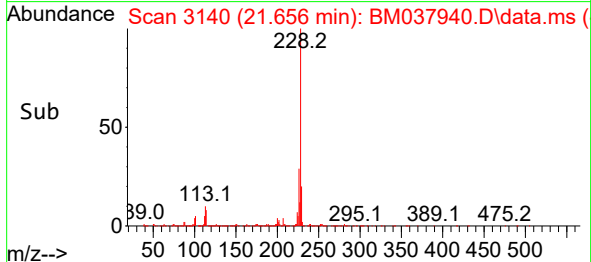
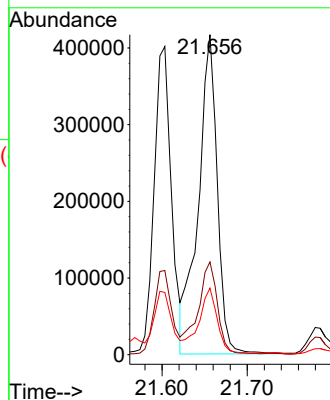
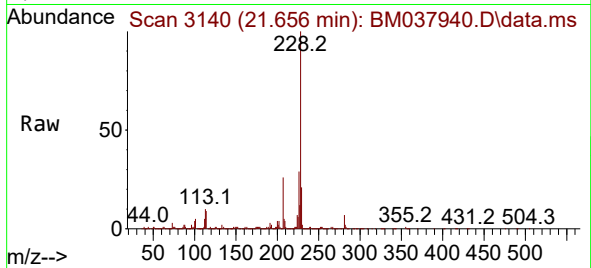




#87
Chrysene
Concen: 10.274 ng/ul
RT: 21.656 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

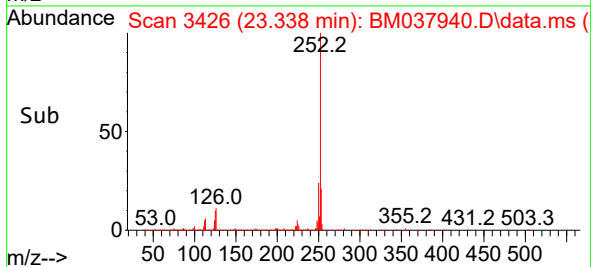
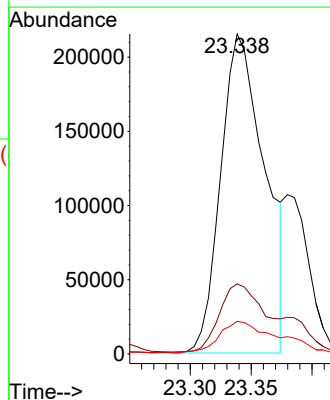
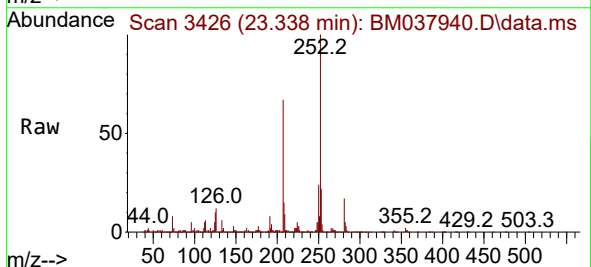
Instrument :
BNA_M
ClientSampleId :
DBXL5MEDL

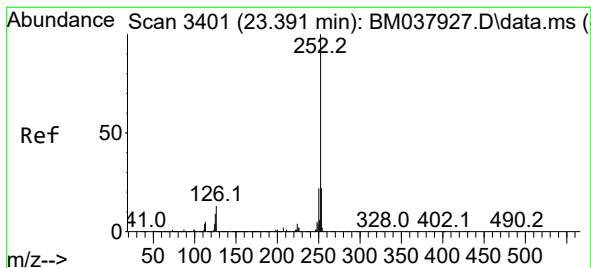
Tgt Ion:228 Resp: 646761
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.8 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 7.912 ng/ul
RT: 23.338 min Scan# 3426
Delta R.T. -0.006 min
Lab File: BM037940.D
Acq: 10 Dec 2022 18:30

Tgt Ion:252 Resp: 539681
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 10.2 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 8.164 ng/ul

RT: 23.338 min Scan# 34

Delta R.T. -0.053 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

Instrument :

BNA_M

ClientSampleId :

DBXL5MEDL

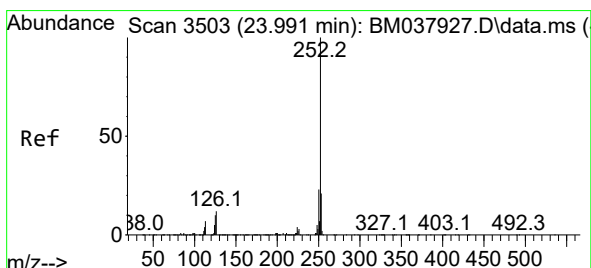
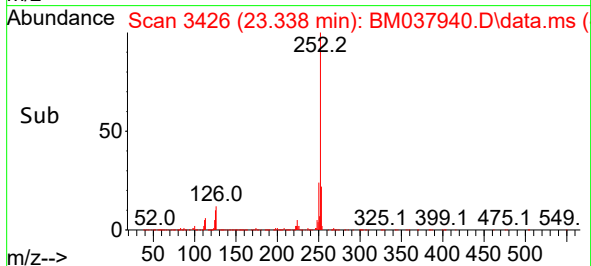
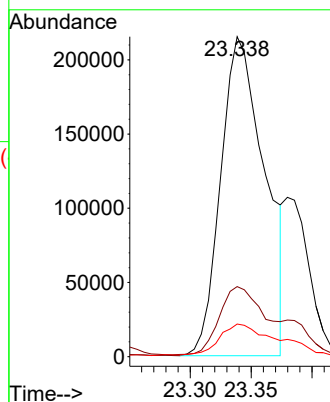
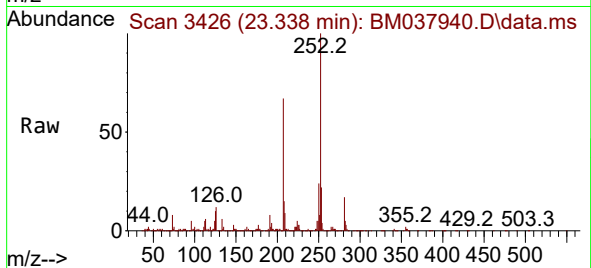
Tgt Ion:252 Resp: 539681

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 10.2 8.1 12.1



#93

Benzo(a)pyrene

Concen: 3.695 ng/ul

RT: 23.985 min Scan# 3536

Delta R.T. -0.006 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

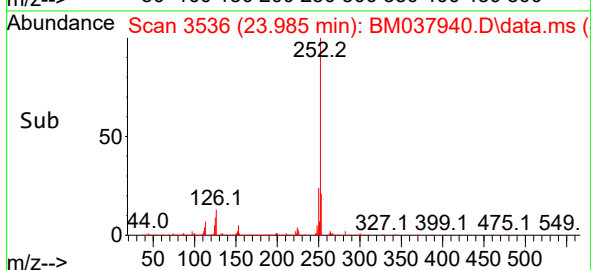
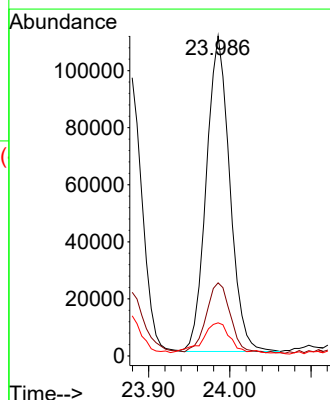
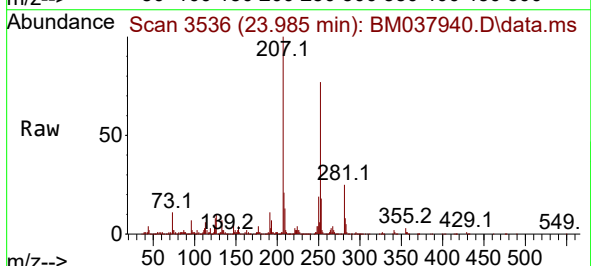
Tgt Ion:252 Resp: 221602

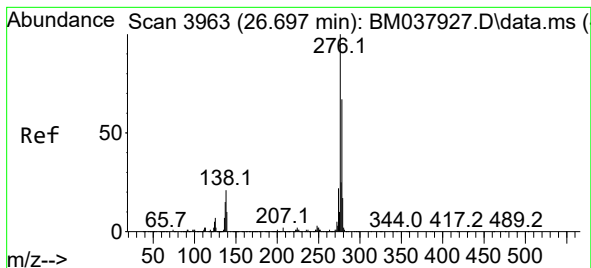
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.3 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.427 ng/ul

RT: 26.685 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

Instrument :

BNA_M

ClientSampleId :

DBXL5MEDL

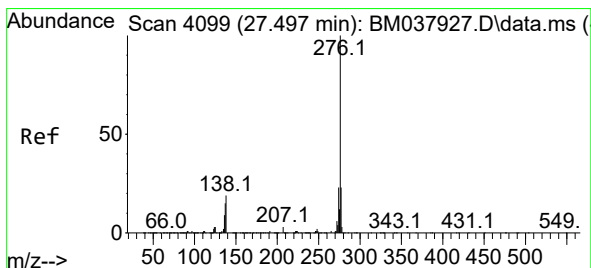
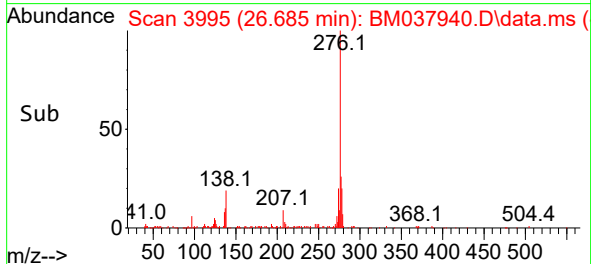
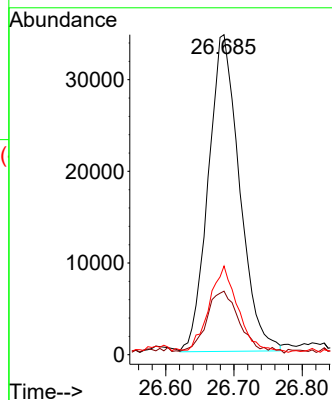
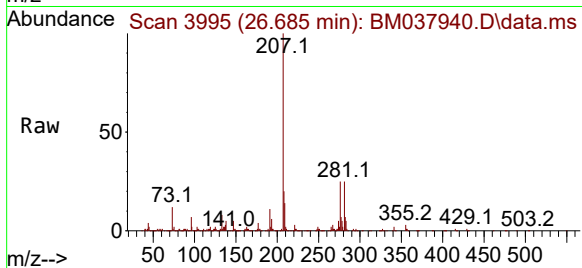
Tgt Ion:276 Resp: 110264

Ion Ratio Lower Upper

276 100

138 19.9 19.3 28.9

277 27.7 19.8 29.8



#96

Benzo(g,h,i)perylene

Concen: 1.185 ng/ul

RT: 27.485 min Scan# 4131

Delta R.T. -0.018 min

Lab File: BM037940.D

Acq: 10 Dec 2022 18:30

Tgt Ion:276 Resp: 73075

Ion Ratio Lower Upper

276 100

138 20.3 17.1 25.7

277 25.6 18.2 27.4

