

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037937.D
 Acq On : 10 Dec 2022 16:41
 Operator : CG/JU
 Sample : N5896-13ME
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN1ME

Quant Time: Dec 11 21:27:34 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	227991	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	848207	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	468407	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	925036	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	870930	20.000	ng/ul	0.00
88) Perylene-d12	24.103	264	988297	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	24282	4.836	ng/uL	0.00
4) Pyridine-d5	3.857	84	207921	13.959	ng/ul	0.00
7) Phenol-d5	7.234	99	480409	25.931	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.398	67	308764	27.370	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	428000	28.161	ng/ul	0.00
15) 4-Methylphenol-d8	8.786	113	350352	24.226	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	206549	30.756	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	219172	31.142	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	368568	27.572	ng/ul	0.00
31) 4-Chloroaniline-d4	11.033	131	432399	23.433	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	1044905	31.290	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	1231050	30.162	ng/ul	0.00
54) 4-Nitrophenol-d4	14.898	143	124542	21.883	ng/ul	0.00
60) Fluorene-d10	15.698	176	931875	31.322	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	114354	23.122	ng/ul	0.00
73) Anthracene-d10	17.551	188	1340893	31.059	ng/ul	0.00
81) Pyrene-d10	19.833	212	1566649	29.945	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	1610743	32.630	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.910	105	28266	1.243	ng/ul	94
30) Naphthalene	10.951	128	64710	1.414	ng/ul#	96
36) 2-Methylnaphthalene	12.545	142	42986	1.448	ng/ul	99
37) 1-Methylnaphthalene	12.763	142	211769	6.976	ng/ul	99
43) 1,1'-Biphenyl	13.545	154	139657	3.709	ng/ul	99
50) Acenaphthylene	14.433	152	140152	3.123	ng/ul#	95
52) Acenaphthene	14.774	153	2254853	72.641	ng/ul	100
56) Dibenzofuran	15.104	168	1913360	45.148	ng/ul	98
61) Fluorene	15.757	166	2673324	77.349	ng/ul	98
63) 4-Nitroaniline	15.757	138	28927	4.996	ng/ul#	28
72) Phenanthrene	17.498	178	9603986	190.117	ng/ul	97
74) Anthracene	17.592	178	8103437	157.847	ng/ul	99
77) Carbazole	17.851	167	1608412	36.162	ng/ul	99
80) Fluoranthene	19.509	202	9383568	151.976	ng/ul	99
82) Pyrene	19.868	202	7079410	110.169	ng/ul	99
85) Benzo(a)anthracene	21.603	228	1954923	33.341	ng/ul	99
87) Chrysene	21.662	228	2157168	39.212	ng/ul	98
90) Benzo(b)fluoranthene	23.344	252	1900536	31.019	ng/ul	99
91) Benzo(k)fluoranthene	23.344	252	1900536	32.006	ng/ul	99
93) Benzo(a)pyrene	23.991	252	810965	15.051	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.691	276	381142	5.493	ng/ul	95
96) Benzo(g,h,i)perylene	27.497	276	254257	4.589	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 09 21:34:57 2022
Response via : Initial Calibration

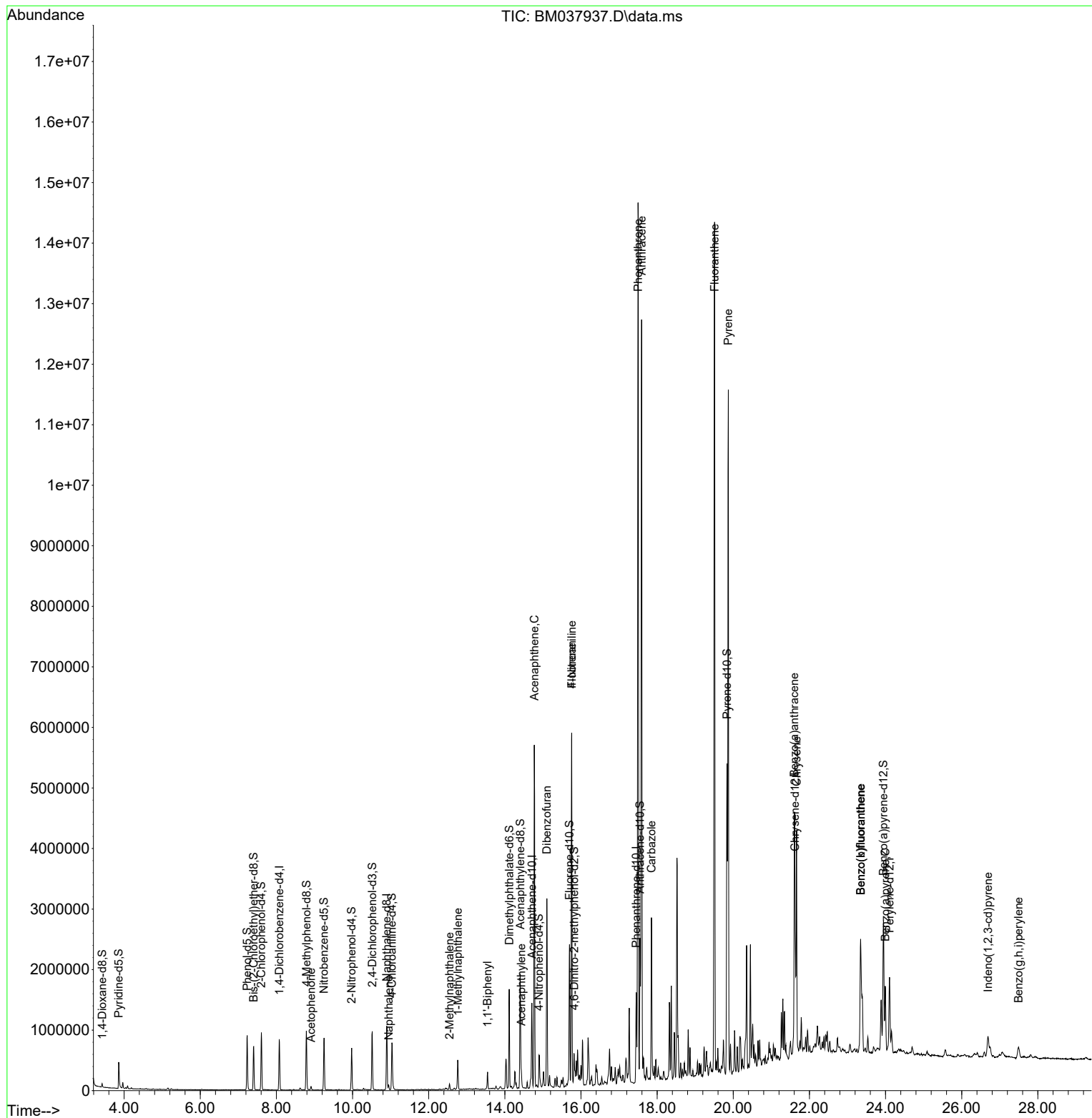
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

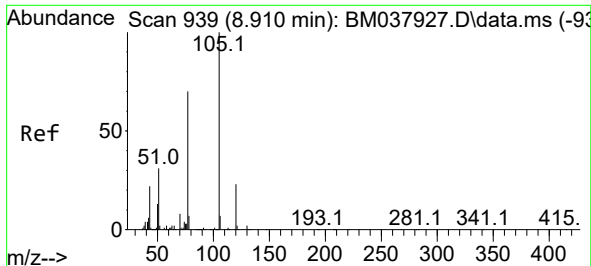
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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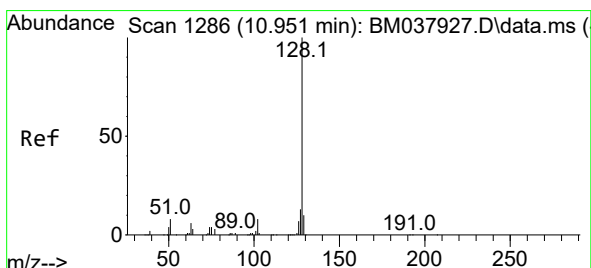
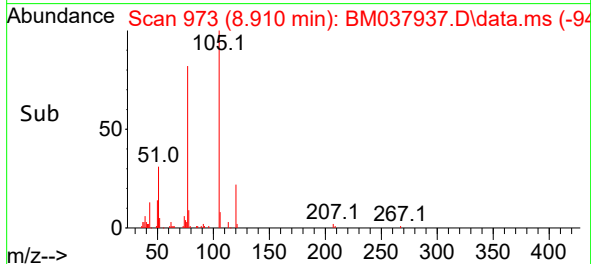
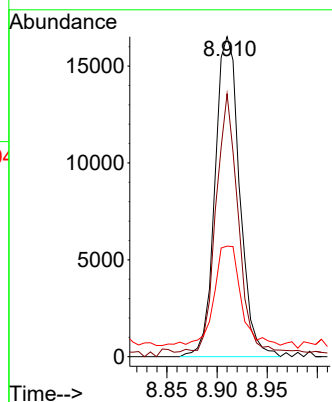
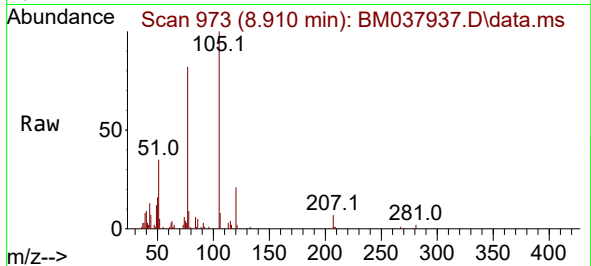




#16
Acetophenone
Concen: 1.243 ng/ul
RT: 8.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

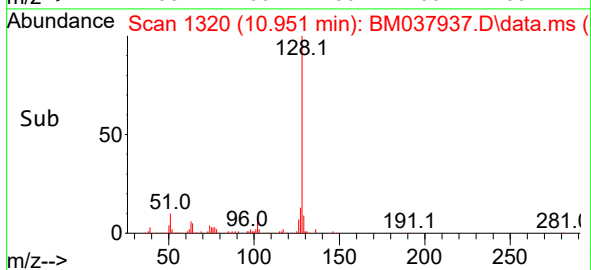
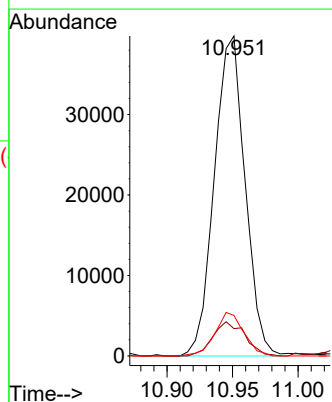
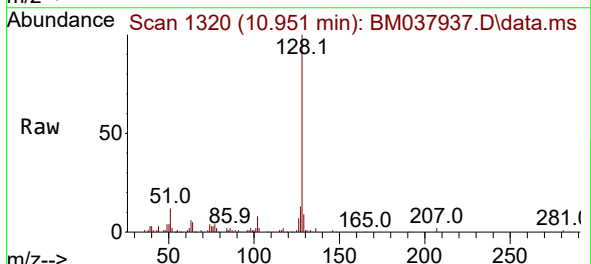
Instrument :
BNA_M
ClientSampleId :
DBXN1ME

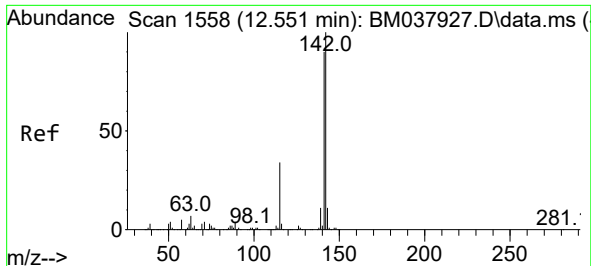
Tgt Ion:105 Resp: 28266
Ion Ratio Lower Upper
105 100
77 82.2 59.7 89.5
51 34.6 27.2 40.8



#30
Naphthalene
Concen: 1.414 ng/ul
RT: 10.951 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

Tgt Ion:128 Resp: 64710
Ion Ratio Lower Upper
128 100
129 8.6 9.0 13.4#
127 12.6 10.4 15.6

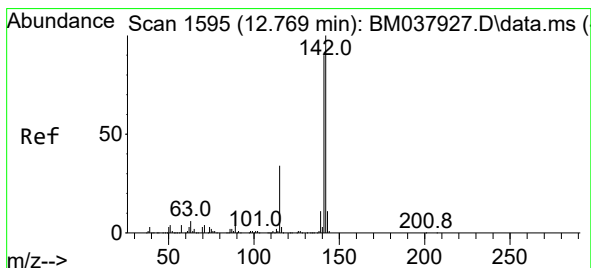
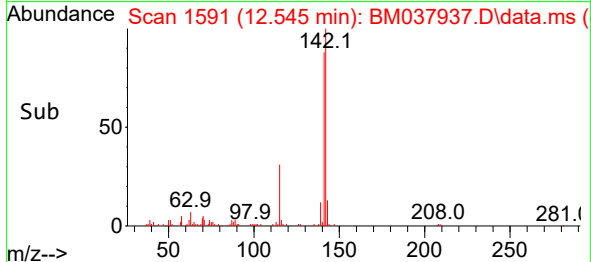
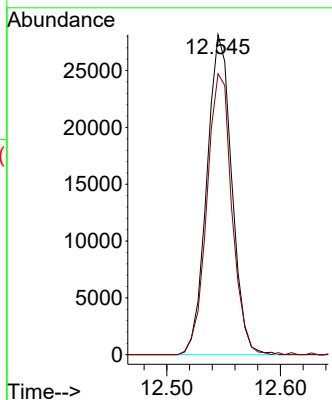
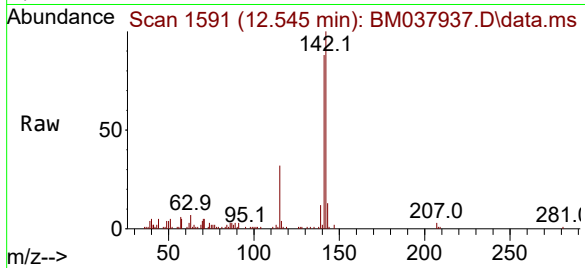




#36
2-Methylnaphthalene
Concen: 1.448 ng/ul
RT: 12.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

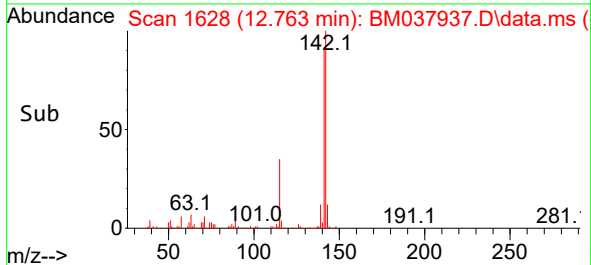
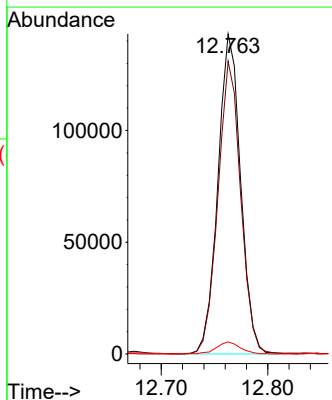
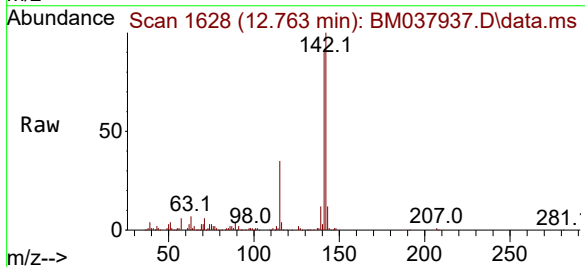
Instrument :
BNA_M
ClientSampleId :
DBXN1ME

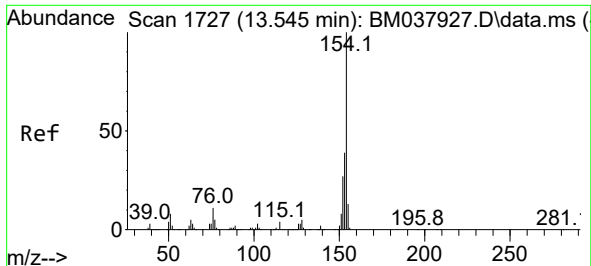
Tgt Ion:142 Resp: 42986
Ion Ratio Lower Upper
142 100
141 87.8 69.4 104.0



#37
1-Methylnaphthalene
Concen: 6.976 ng/ul
RT: 12.763 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

Tgt Ion:142 Resp: 211769
Ion Ratio Lower Upper
142 100
141 91.4 72.4 108.6
116 3.8 2.9 4.3

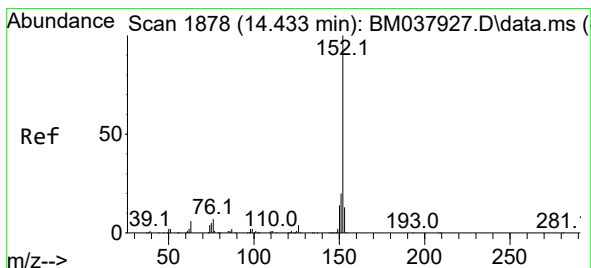
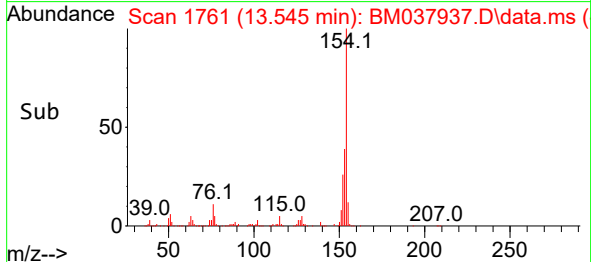
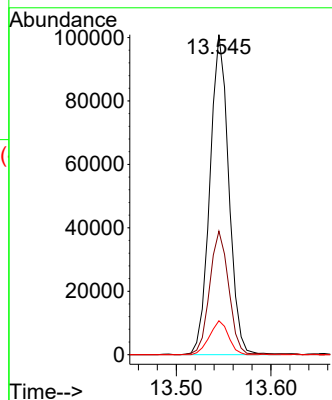
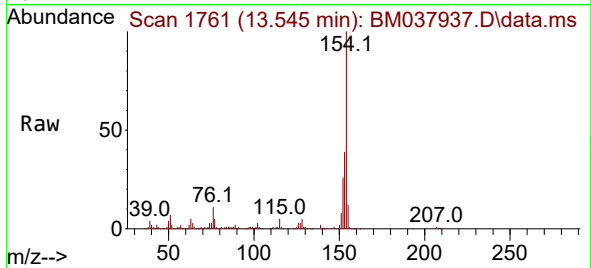




#43
1,1'-Biphenyl
Concen: 3.709 ng/ul
RT: 13.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

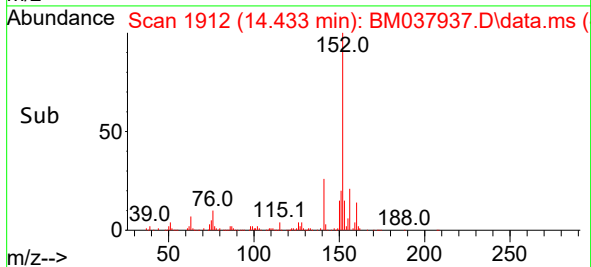
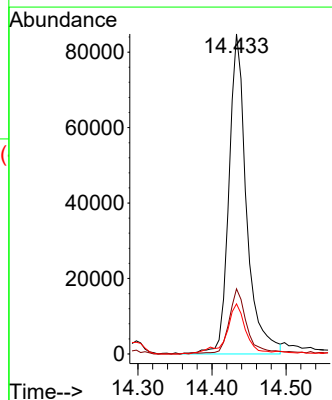
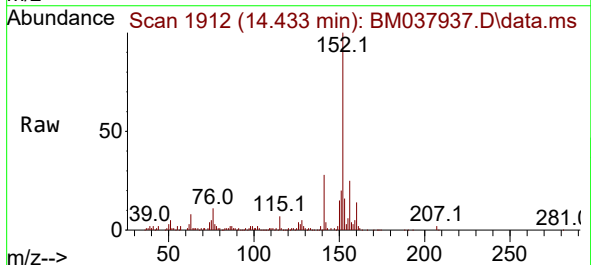
Instrument :
BNA_M
ClientSampleId :
DBXN1ME

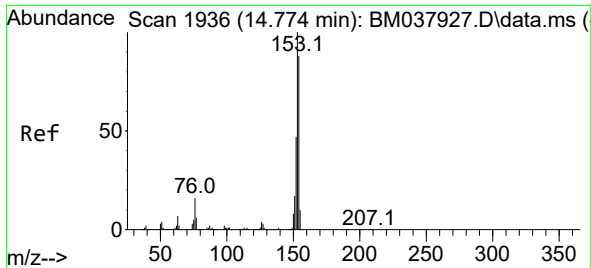
Tgt Ion:154 Resp: 139657
Ion Ratio Lower Upper
154 100
153 38.6 31.2 46.8
76 10.6 9.3 13.9



#50
Acenaphthylene
Concen: 3.123 ng/ul
RT: 14.433 min Scan# 1912
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

Tgt Ion:152 Resp: 140152
Ion Ratio Lower Upper
152 100
151 20.4 15.3 22.9
153 15.7 10.2 15.4#

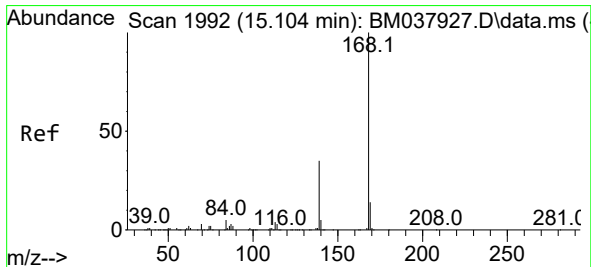
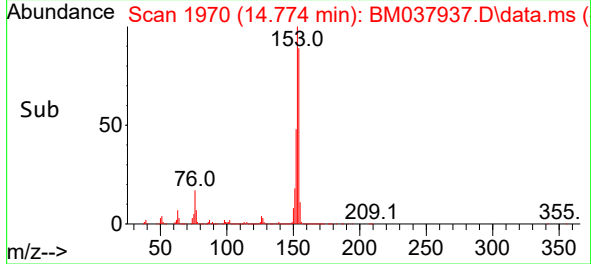
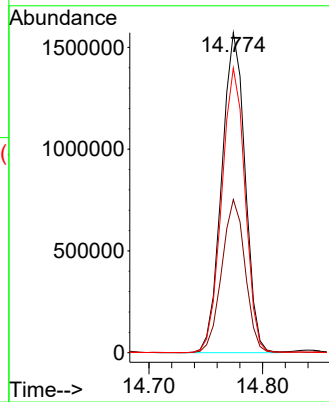
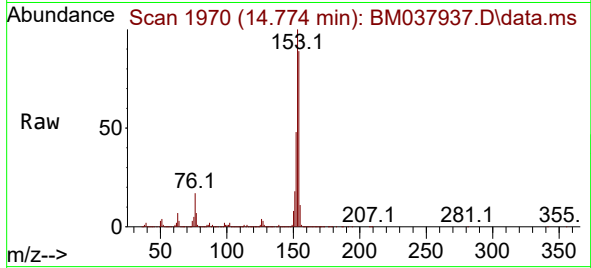




#52
Acenaphthene
Concen: 72.641 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

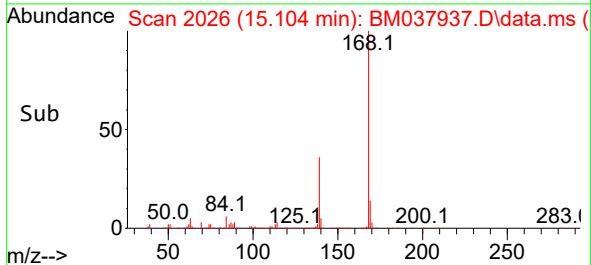
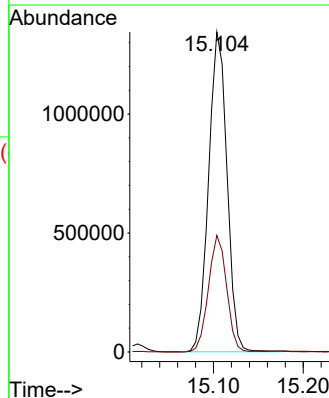
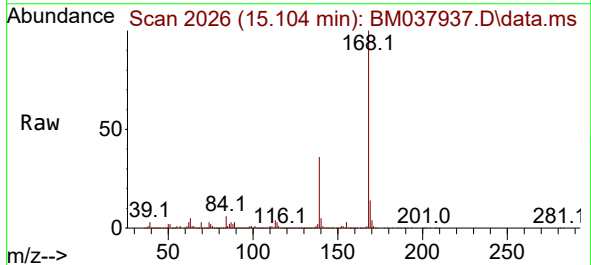
Instrument :
BNA_M
ClientSampleId :
DBXN1ME

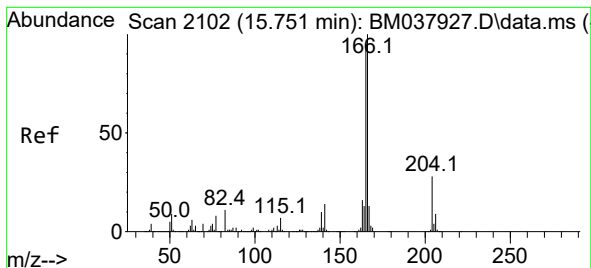
Tgt Ion:153 Resp: 2254853
Ion Ratio Lower Upper
153 100
152 47.8 38.2 57.4
154 88.9 71.4 107.0



#56
Dibenzofuran
Concen: 45.148 ng/ul
RT: 15.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BM037937.D
Acq: 10 Dec 2022 16:41

Tgt Ion:168 Resp: 1913360
Ion Ratio Lower Upper
168 100
139 36.4 28.1 42.1





#61

Fluorene

Concen: 77.349 ng/ul

RT: 15.757 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Instrument :

BNA_M

ClientSampleId :

DBXN1ME

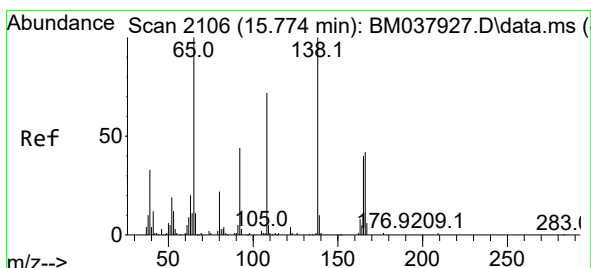
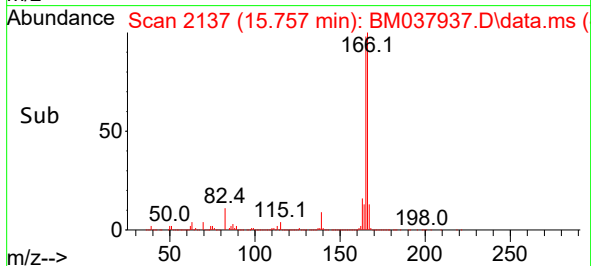
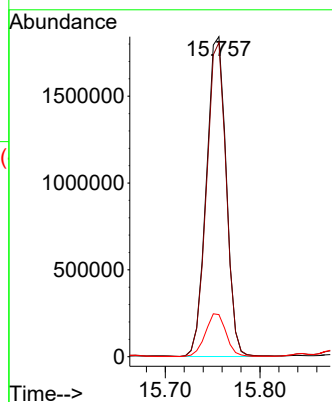
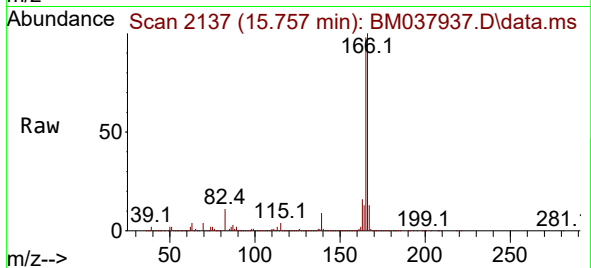
Tgt Ion:166 Resp: 2673324

Ion Ratio Lower Upper

166 100

165 98.1 77.2 115.8

167 13.2 10.4 15.6



#63

4-Nitroaniline

Concen: 4.996 ng/ul

RT: 15.757 min Scan# 2137

Delta R.T. -0.018 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

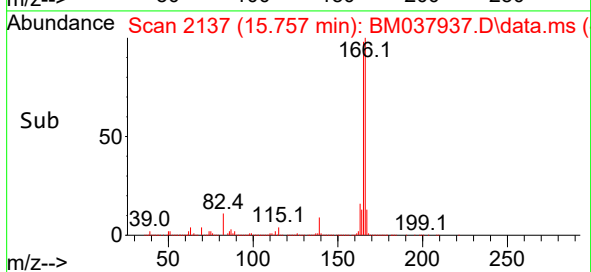
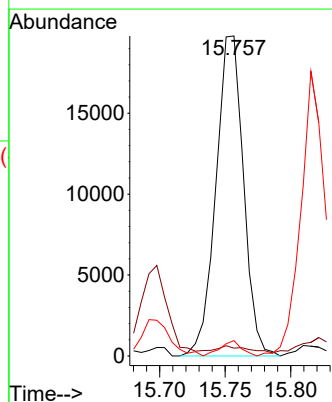
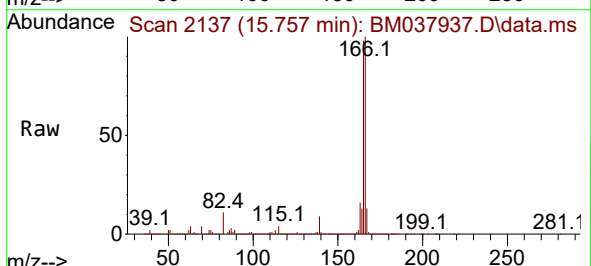
Tgt Ion:138 Resp: 28927

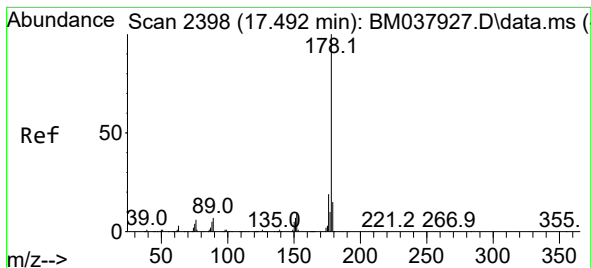
Ion Ratio Lower Upper

138 100

92 2.5 36.1 54.1#

108 4.8 51.6 77.4#





#72

Phenanthrene

Concen: 190.117 ng/ul

RT: 17.498 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

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BNA_M

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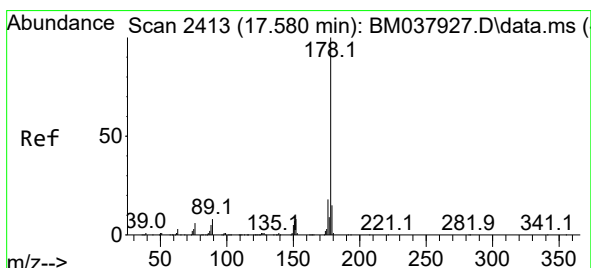
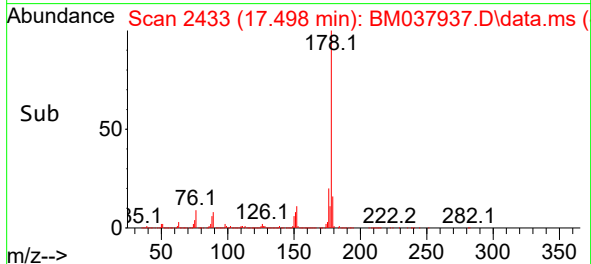
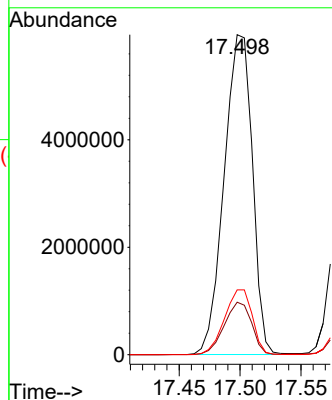
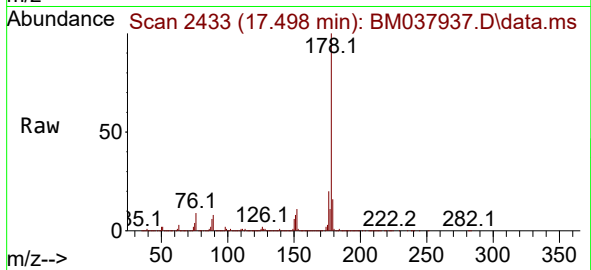
Tgt Ion:178 Resp: 9603986

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.2

176 20.3 15.4 23.0



#74

Anthracene

Concen: 157.847 ng/ul

RT: 17.592 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

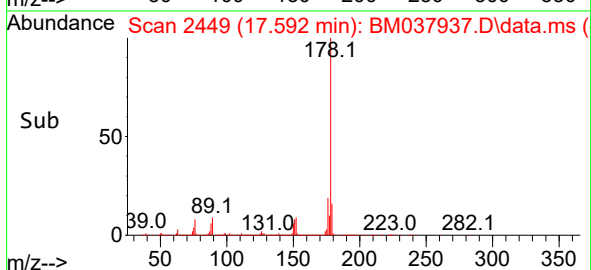
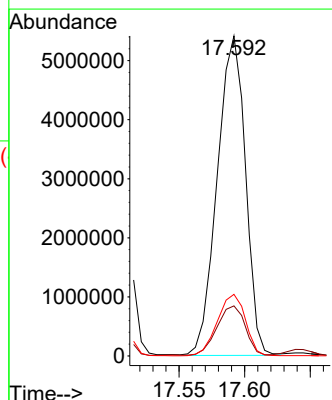
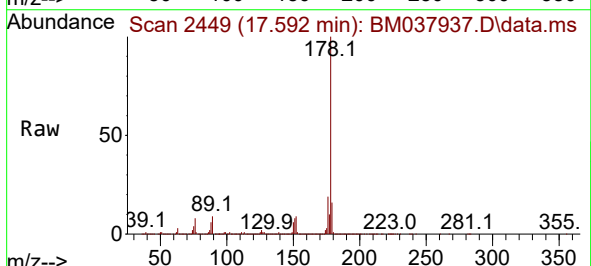
Tgt Ion:178 Resp: 8103437

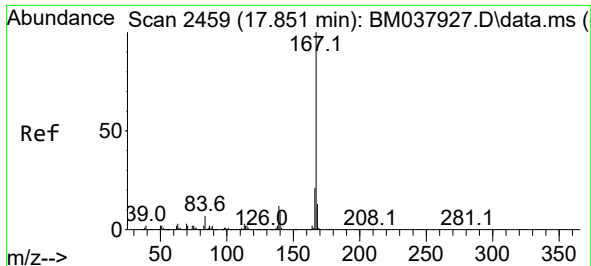
Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

176 19.3 15.0 22.6

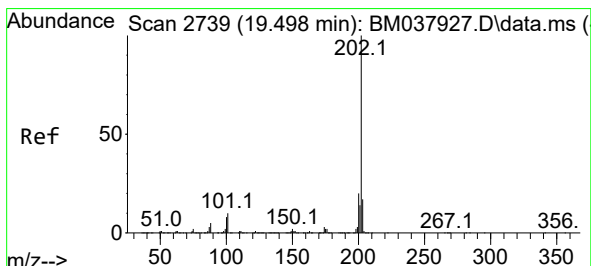
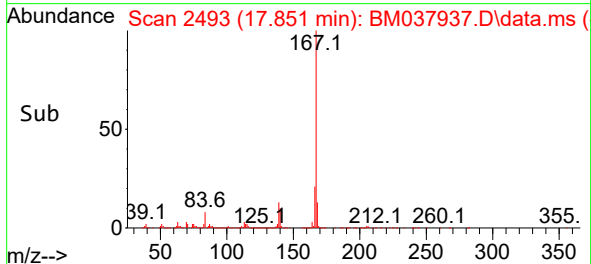
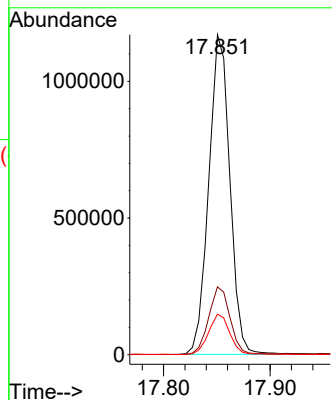
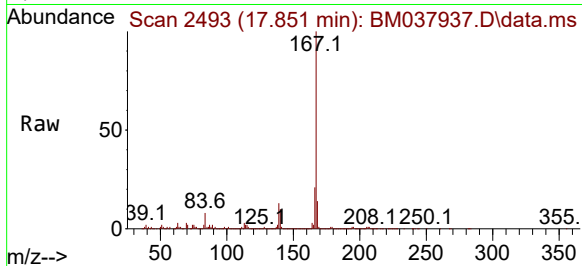




#77
 Carbazole
 Concen: 36.162 ng/ul
 RT: 17.851 min Scan# 2459
 Delta R.T. -0.006 min
 Lab File: BM037937.D
 Acq: 10 Dec 2022 16:41

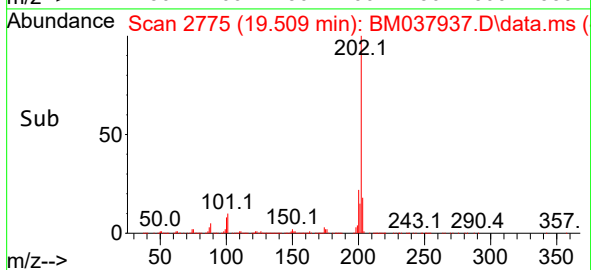
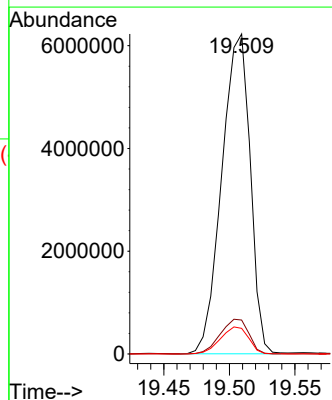
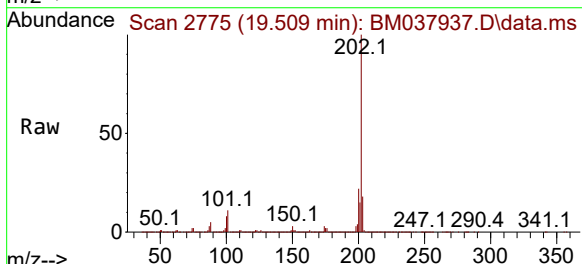
Instrument :
 BNA_M
 ClientSampleId :
 DBXN1ME

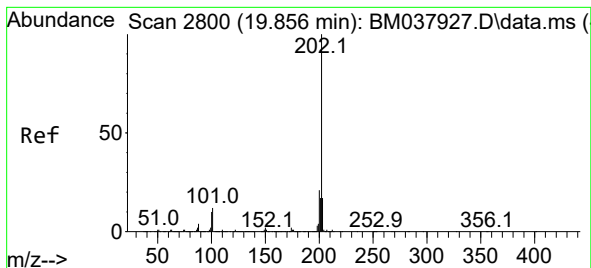
Tgt Ion:167 Resp: 1608412
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.7 25.1
 139 12.7 9.8 14.6



#80
 Fluoranthene
 Concen: 151.976 ng/ul
 RT: 19.509 min Scan# 2775
 Delta R.T. 0.012 min
 Lab File: BM037937.D
 Acq: 10 Dec 2022 16:41

Tgt Ion:202 Resp: 9383568
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.6 13.0
 100 8.0 6.6 10.0





#82

Pyrene

Concen: 110.169 ng/ul

RT: 19.868 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Instrument :

BNA_M

ClientSampleId :

DBXN1ME

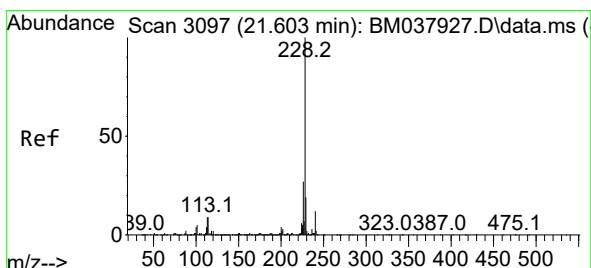
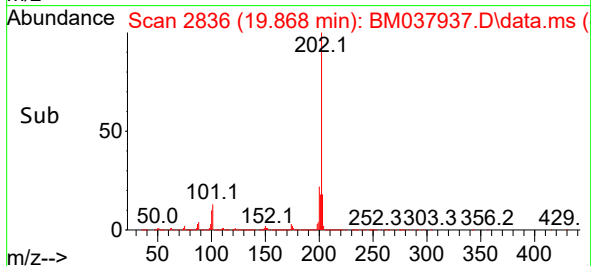
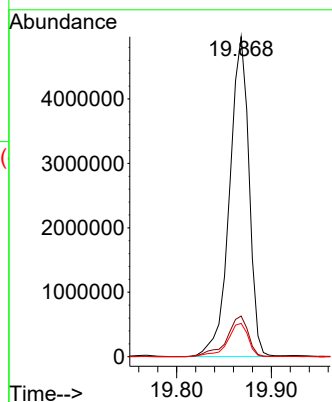
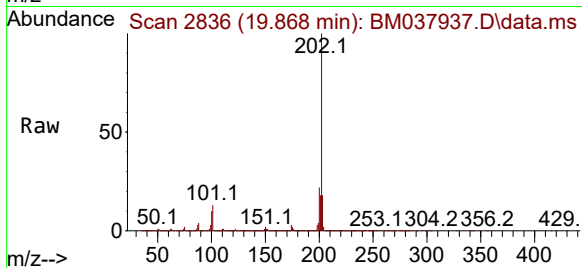
Tgt Ion:202 Resp: 7079410

Ion Ratio Lower Upper

202 100

101 12.7 10.0 15.0

100 10.4 7.9 11.9



#85

Benzo(a)anthracene

Concen: 33.341 ng/ul

RT: 21.603 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

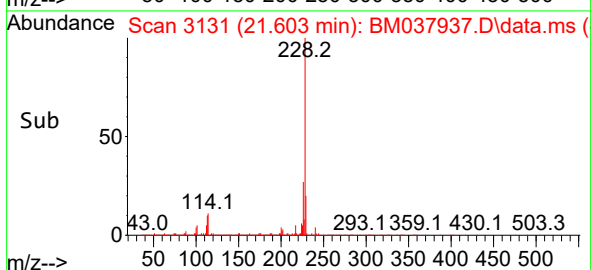
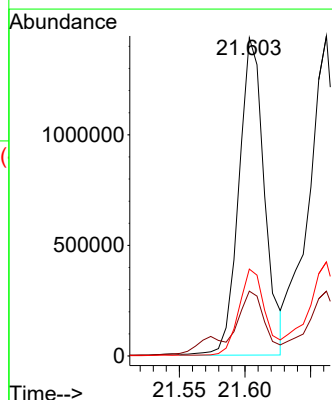
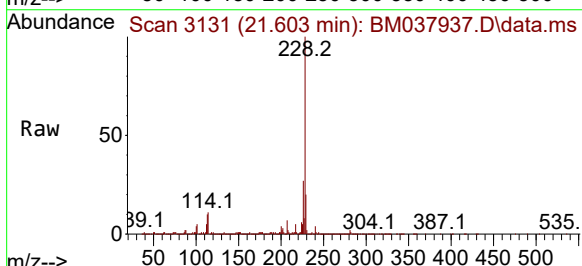
Tgt Ion:228 Resp: 1954923

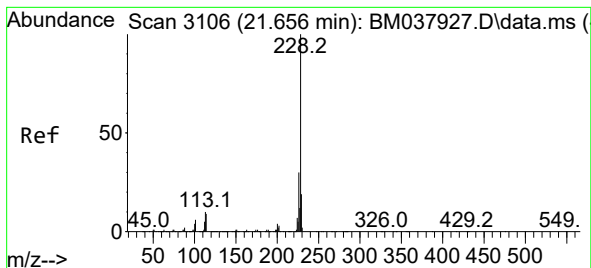
Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

226 27.3 21.8 32.8





#87

Chrysene

Concen: 39.212 ng/ul

RT: 21.662 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Instrument :

BNA_M

ClientSampleId :

DBXN1ME

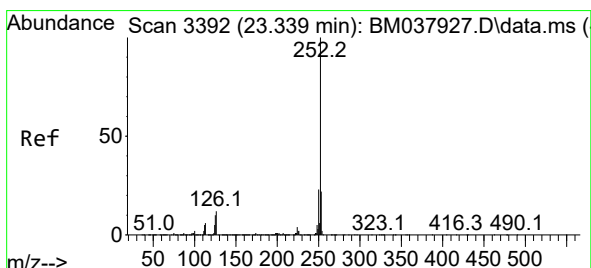
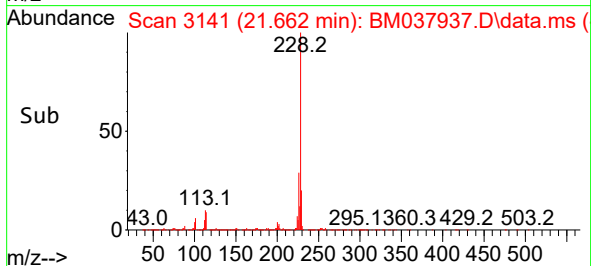
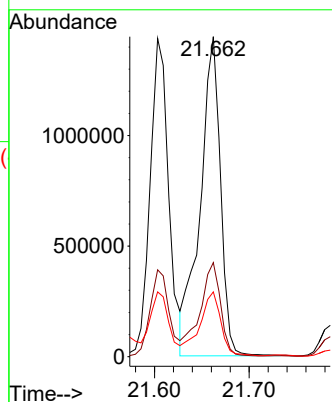
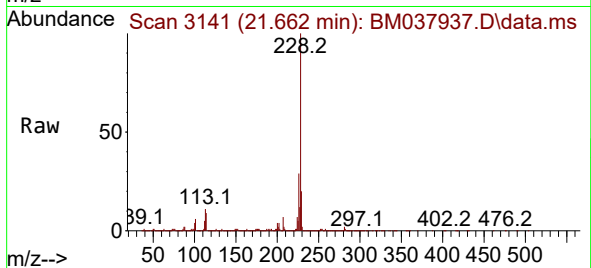
Tgt Ion:228 Resp: 2157168

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 20.2 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 31.019 ng/ul

RT: 23.344 min Scan# 3427

Delta R.T. -0.000 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

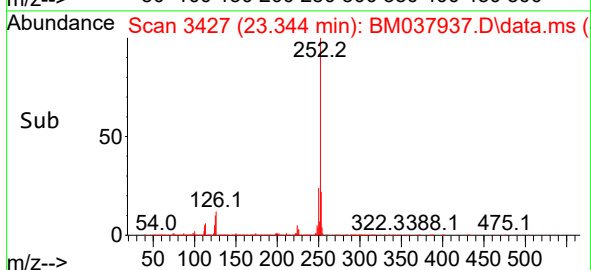
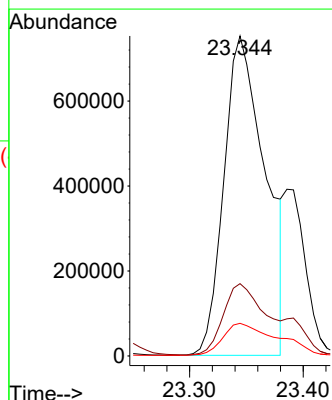
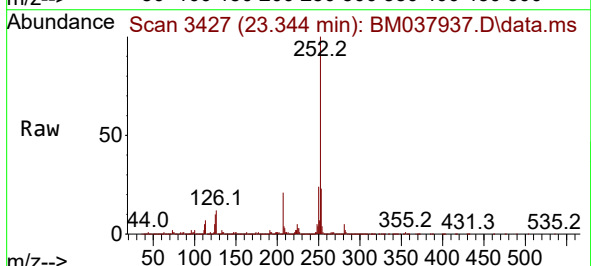
Tgt Ion:252 Resp: 1900536

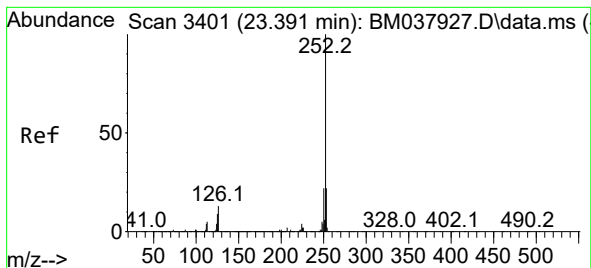
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.2 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 32.006 ng/ul

RT: 23.344 min Scan# 34

Delta R.T. -0.047 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Instrument :

BNA_M

ClientSampleId :

DBXN1ME

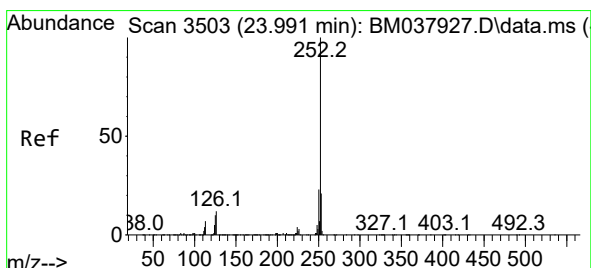
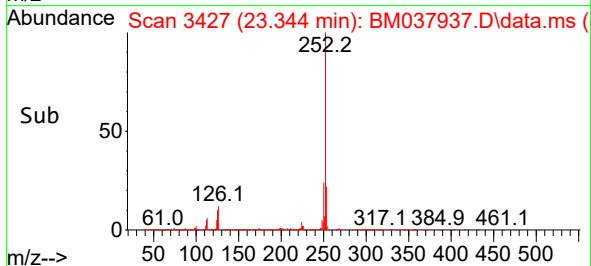
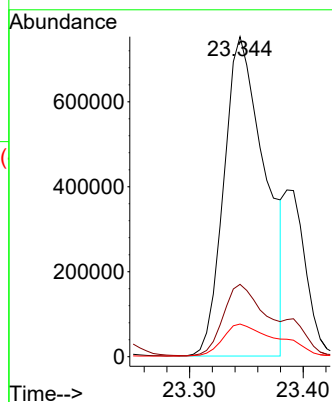
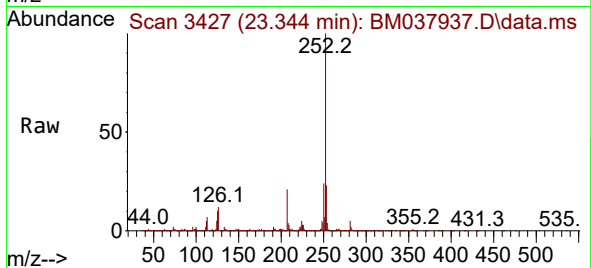
Tgt Ion:252 Resp: 1900536

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 10.2 8.1 12.1



#93

Benzo(a)pyrene

Concen: 15.051 ng/ul

RT: 23.991 min Scan# 3537

Delta R.T. -0.000 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

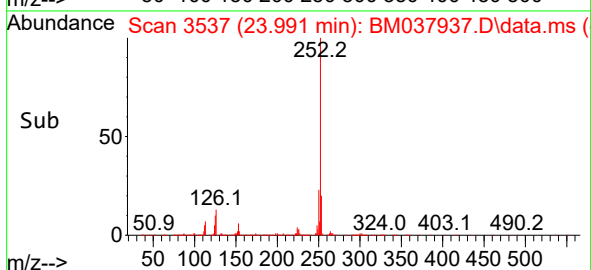
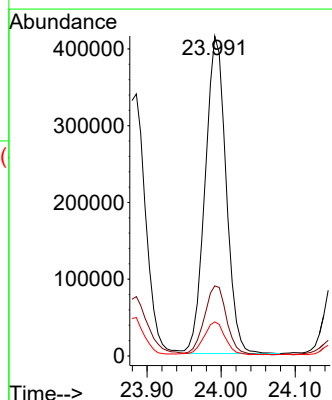
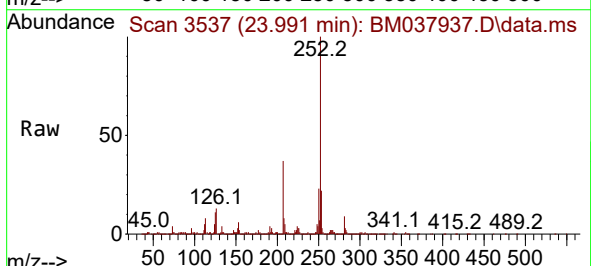
Tgt Ion:252 Resp: 810965

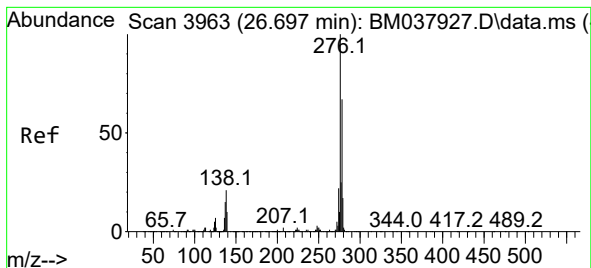
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.6 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.493 ng/ul

RT: 26.691 min Scan# 3963

Delta R.T. -0.012 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Instrument :

BNA_M

ClientSampleId :

DBXN1ME

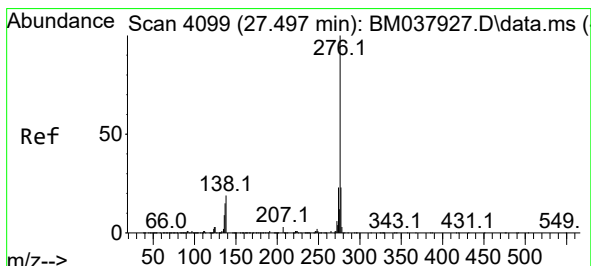
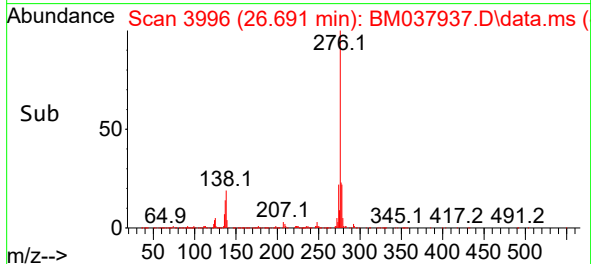
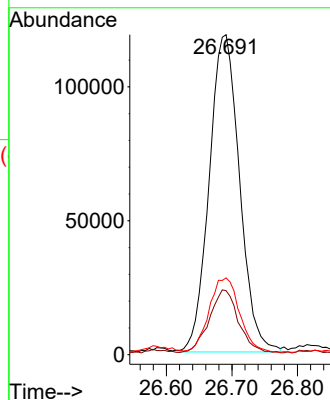
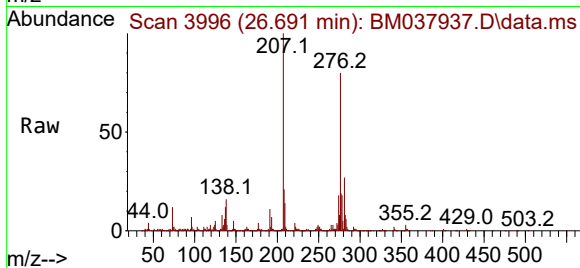
Tgt Ion:276 Resp: 381142

Ion Ratio Lower Upper

276 100

138 20.0 19.3 28.9

277 24.0 19.8 29.8



#96

Benzo(g,h,i)perylene

Concen: 4.589 ng/ul

RT: 27.497 min Scan# 4133

Delta R.T. -0.006 min

Lab File: BM037937.D

Acq: 10 Dec 2022 16:41

Tgt Ion:276 Resp: 254257

Ion Ratio Lower Upper

276 100

138 18.9 17.1 25.7

277 22.5 18.2 27.4

