

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037922.D
 Acq On : 09 Dec 2022 18:21
 Operator : CG/JU
 Sample : N5896-13 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN1

Quant Time: Dec 09 21:49:56 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	216369	20.000	ng/ul	0.00
20) Naphthalene-d8	10.904	136	898988	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	571971	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	1303913	20.000	ng/ul	0.00
79) Chrysene-d12	21.627	240	1050997	20.000	ng/ul	0.00
88) Perylene-d12	24.109	264	1087219	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.423	96	2211	0.464	ng/uL	0.00
4) Pyridine-d5	3.852	84	231	0.016	ng/ul	0.00
7) Phenol-d5	7.234	99	38161	2.170	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	22580	2.109	ng/ul	0.00
11) 2-Chlorophenol-d4	7.611	132	31619	2.192	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	31663	2.307	ng/ul	0.00
21) Nitrobenzene-d5	9.258	128	15125	2.125	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	16113	2.160	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	31398	2.216	ng/ul	0.00
31) 4-Chloroaniline-d4	11.040	131	37032	1.894	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	109123	2.676	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	119700	2.402	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	12734	1.832	ng/ul	0.00
60) Fluorene-d10	15.698	176	103121	2.838	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	7419	1.064	ng/ul	0.01
73) Anthracene-d10	17.569	188	161401	2.652	ng/ul	0.02
81) Pyrene-d10	19.839	212	189973	3.009	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.945	264	146940	2.706	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	759467	15.655	ng/ul	99
36) 2-Methylnaphthalene	12.551	142	664150	21.107	ng/ul	97
37) 1-Methylnaphthalene	12.769	142	318133	9.888	ng/ul	98
43) 1,1'-Biphenyl	13.551	154	446029	9.701	ng/ul	99
50) Acenaphthylene	14.440	152	195355	3.565	ng/ul#	92
52) Acenaphthene	14.781	153	4267894	112.597	ng/ul	99
56) Dibenzofuran	15.110	168	5082766	98.218	ng/ul	95
61) Fluorene	15.769	166	7538725	178.629	ng/ul	99
63) 4-Nitroaniline	15.769	138	86855	12.286	ng/ul#	27
72) Phenanthrene	17.510	178	19183605	269.408	ng/ul	96
74) Anthracene	17.510	178	19183605	265.099	ng/ul	95
77) Carbazole	17.875	167	13401757	213.763	ng/ul	96
80) Fluoranthene	19.516	202	15803728	212.103	ng/ul	97
82) Pyrene	19.880	202	12910148	166.486	ng/ul	99
85) Benzo(a)anthracene	21.610	228	3517706	49.715	ng/ul	99
87) Chrysene	21.668	228	3896861	58.699	ng/ul	99
90) Benzo(b)fluoranthene	23.351	252	2900189	43.028	ng/ul	98
91) Benzo(k)fluoranthene	23.351	252	2900189	44.397	ng/ul	98
93) Benzo(a)pyrene	23.998	252	1260376	21.264	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.698	276	589592	7.724	ng/ul	95
95) Dibenzo(a,h)anthracene	26.703	278	159636	2.481	ng/ul#	82
96) Benzo(g,h,i)perylene	27.503	276	425240	6.977	ng/ul	97

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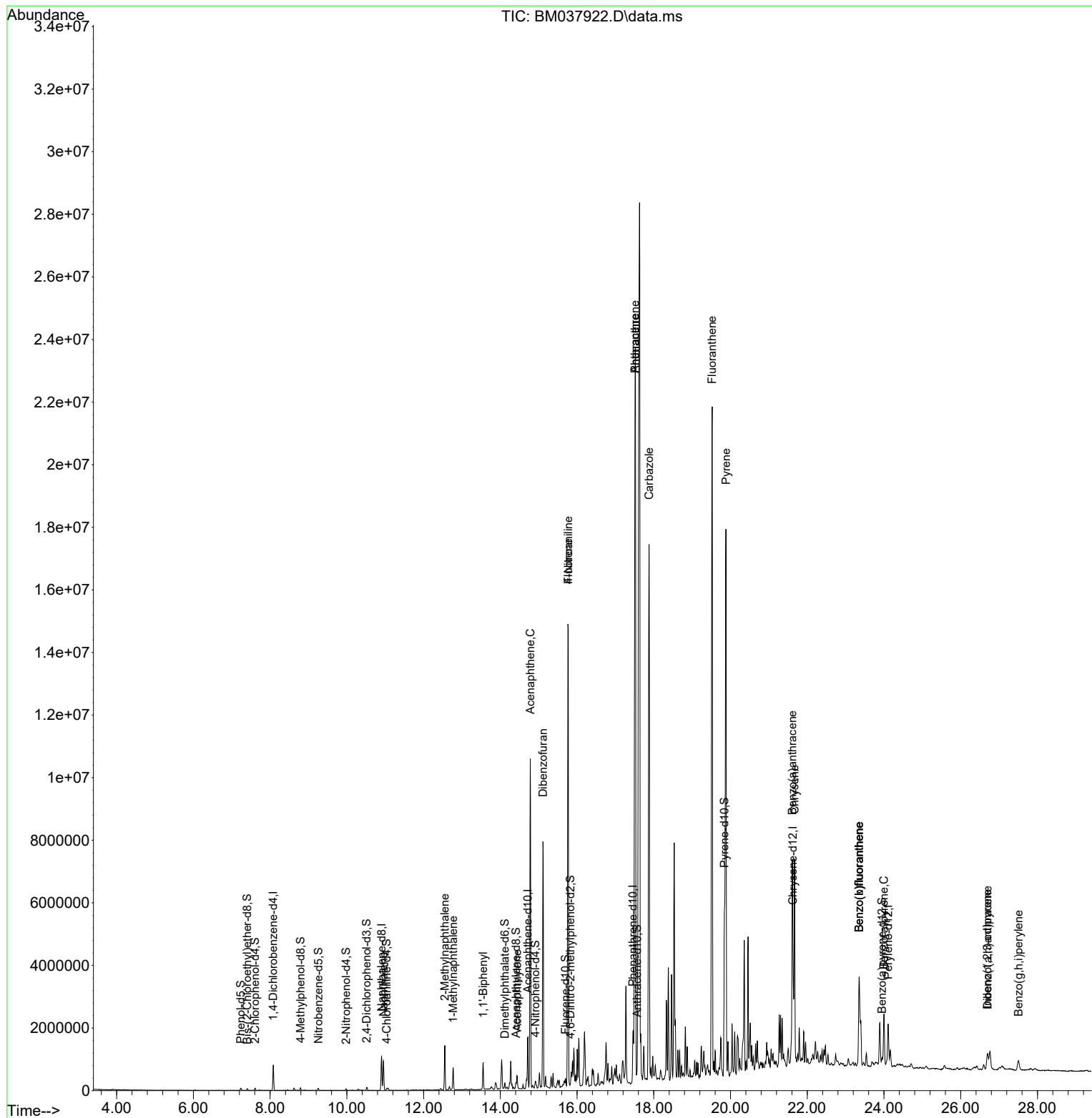
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

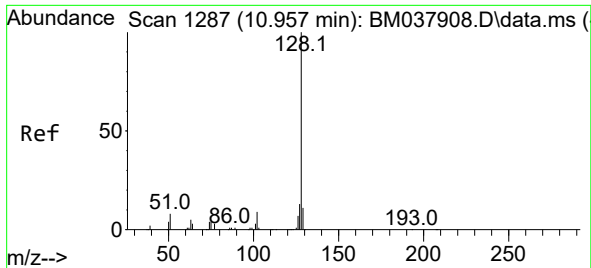
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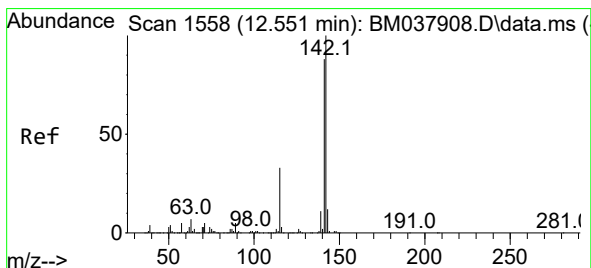
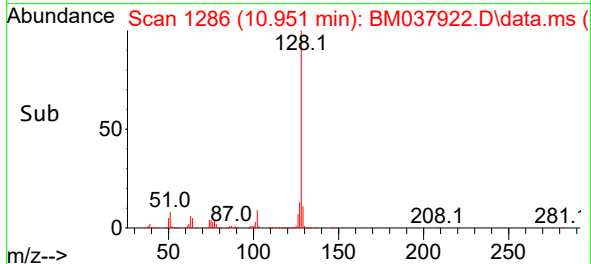
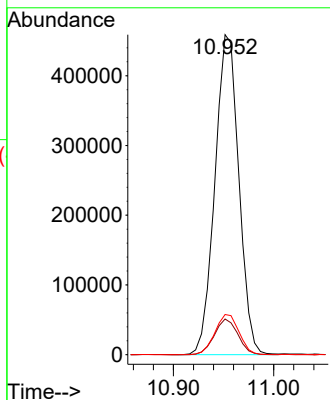
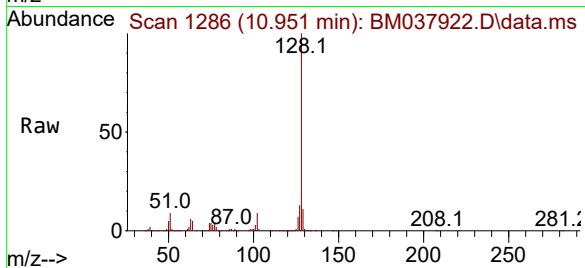




#30
Naphthalene
Concen: 15.655 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

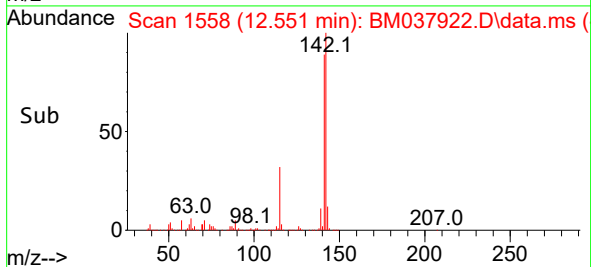
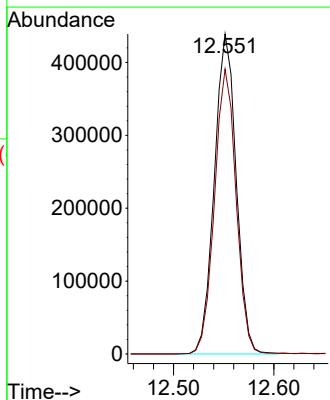
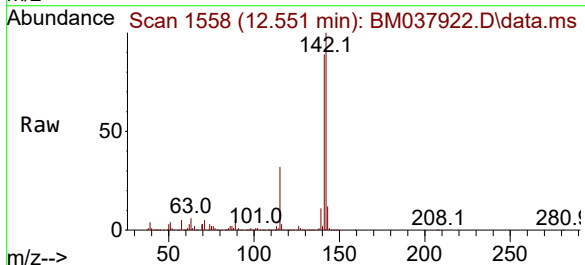
Instrument :
BNA_M
ClientSampleId :
DBXN1

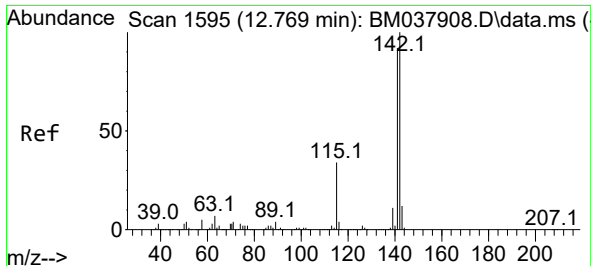
Tgt Ion:128 Resp: 759467
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.5 10.4 15.6



#36
2-Methylnaphthalene
Concen: 21.107 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:142 Resp: 664150
Ion Ratio Lower Upper
142 100
141 89.0 69.4 104.0





#37

1-Methylnaphthalene

Concen: 9.888 ng/ul

RT: 12.769 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Instrument :

BNA_M

ClientSampleId :

DBXN1

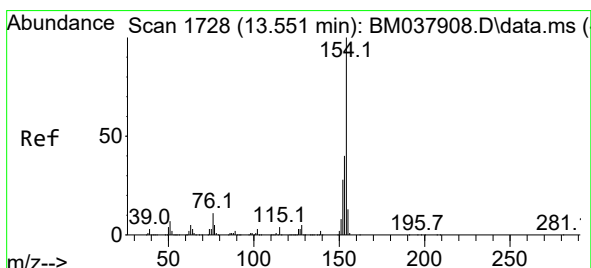
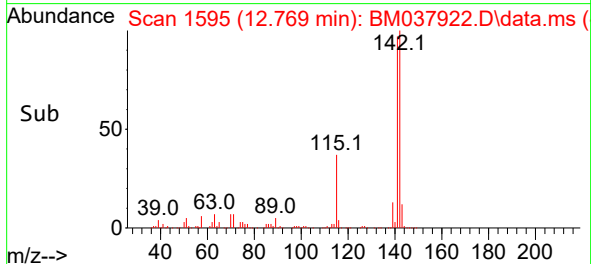
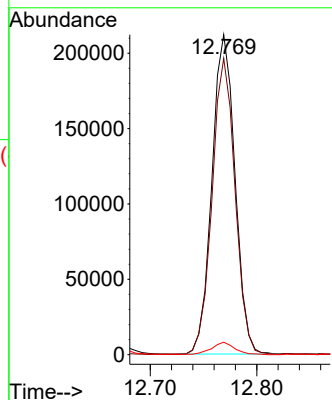
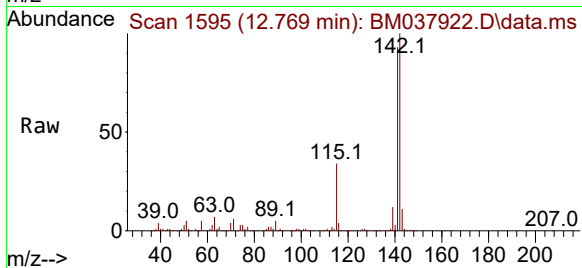
Tgt Ion:142 Resp: 318133

Ion Ratio Lower Upper

142 100

141 92.6 72.4 108.6

116 3.9 2.9 4.3



#43

1,1'-Biphenyl

Concen: 9.701 ng/ul

RT: 13.551 min Scan# 1728

Delta R.T. 0.000 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

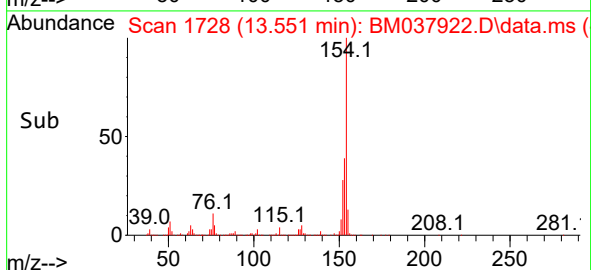
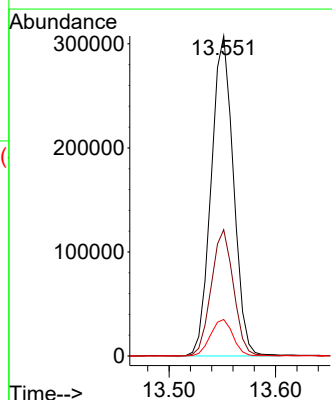
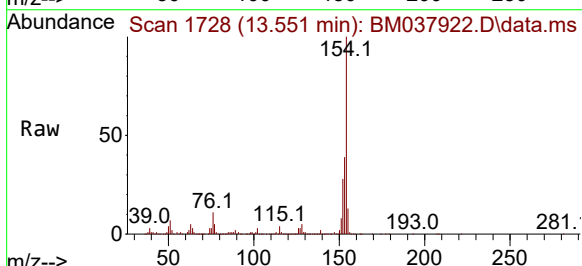
Tgt Ion:154 Resp: 446029

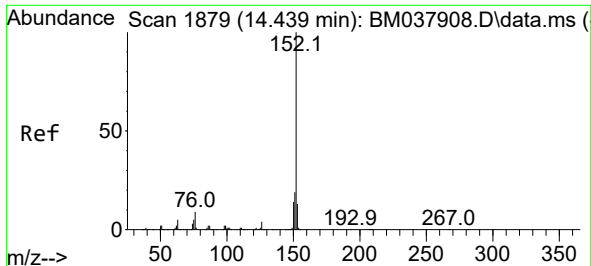
Ion Ratio Lower Upper

154 100

153 39.5 31.2 46.8

76 11.4 9.3 13.9

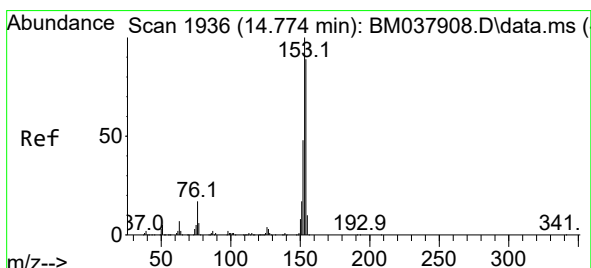
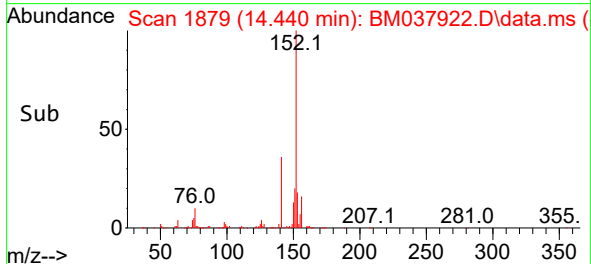
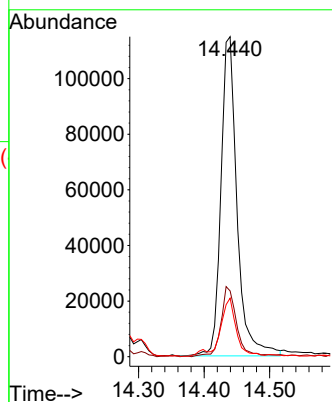
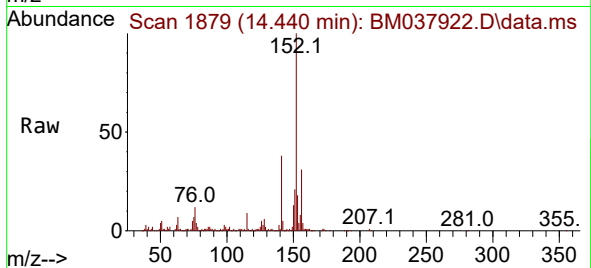




#50
Acenaphthylene
Concen: 3.565 ng/ul
RT: 14.440 min Scan# 1879
Delta R.T. 0.000 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

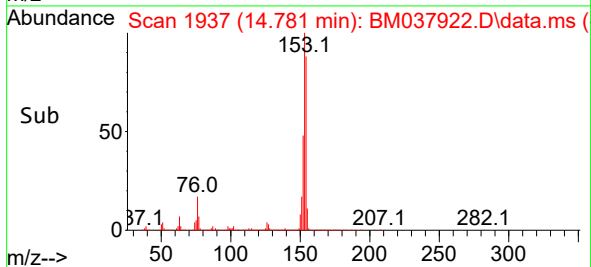
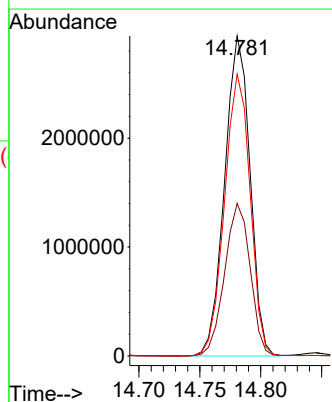
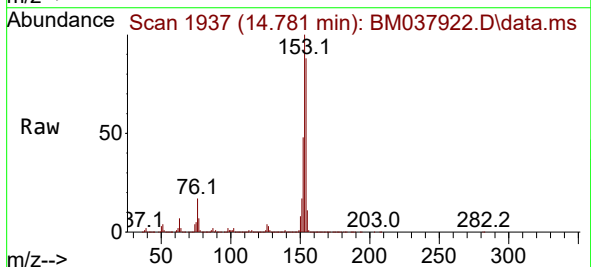
Instrument :
BNA_M
ClientSampleId :
DBXN1

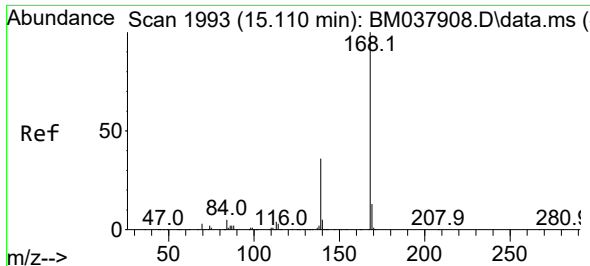
Tgt Ion:152 Resp: 195355
Ion Ratio Lower Upper
152 100
151 20.6 15.3 22.9
153 18.3 10.2 15.4#



#52
Acenaphthene
Concen: 112.597 ng/ul
RT: 14.781 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:153 Resp: 4267894
Ion Ratio Lower Upper
153 100
152 47.7 38.2 57.4
154 88.1 71.4 107.0

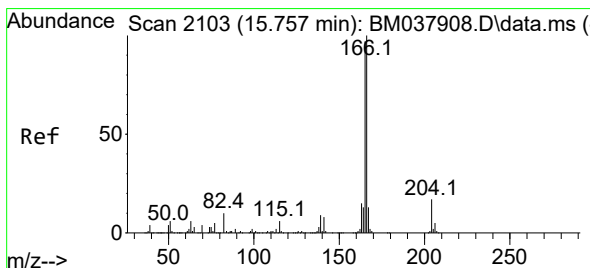
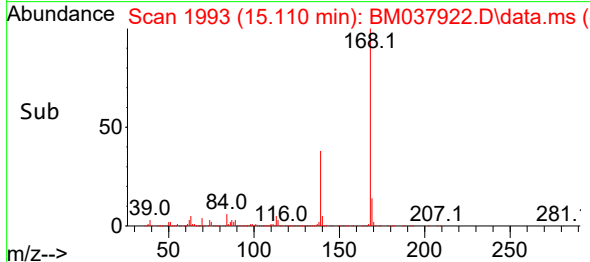
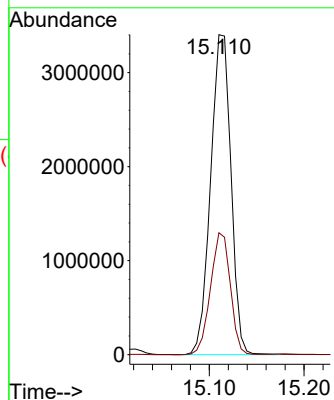
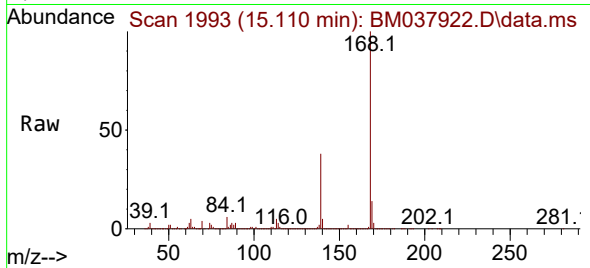




#56
 Dibenzenofuran
 Concen: 98.218 ng/ul
 RT: 15.110 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: BM037922.D
 Acq: 09 Dec 2022 18:21

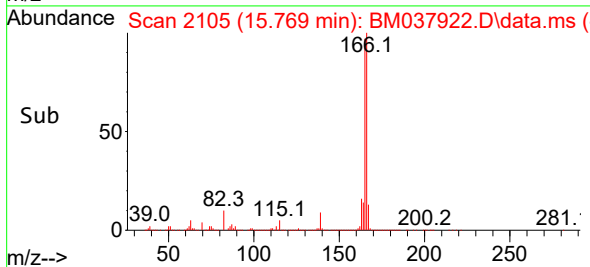
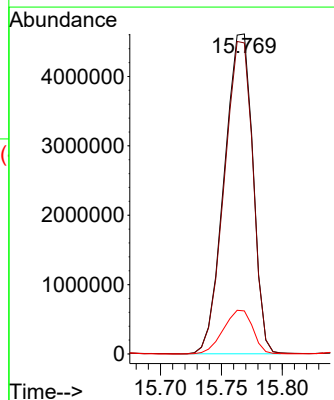
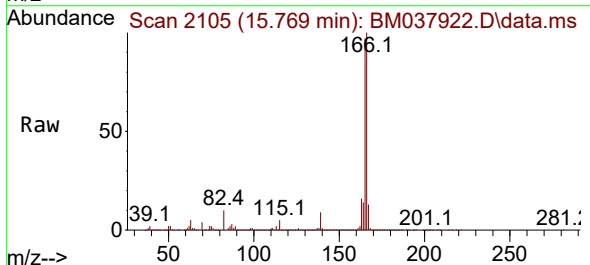
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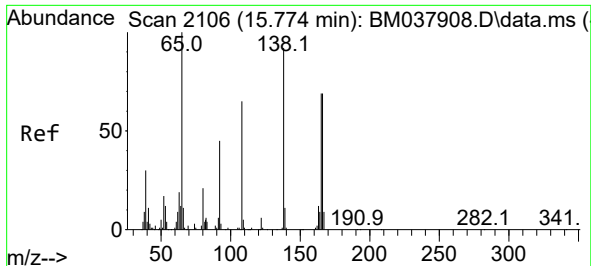
Tgt Ion:168 Resp: 5082766
 Ion Ratio Lower Upper
 168 100
 139 38.1 28.1 42.1



#61
 Fluorene
 Concen: 178.629 ng/ul
 RT: 15.769 min Scan# 2105
 Delta R.T. 0.012 min
 Lab File: BM037922.D
 Acq: 09 Dec 2022 18:21

Tgt Ion:166 Resp: 7538725
 Ion Ratio Lower Upper
 166 100
 165 97.2 77.2 115.8
 167 13.4 10.4 15.6

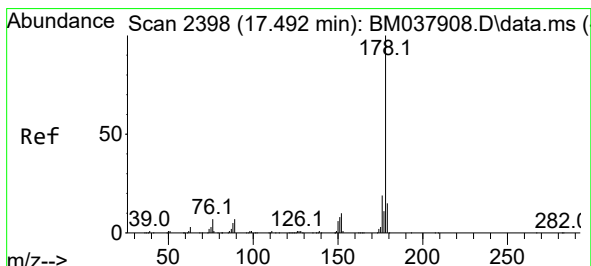
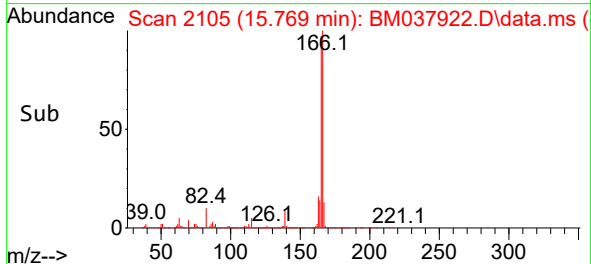
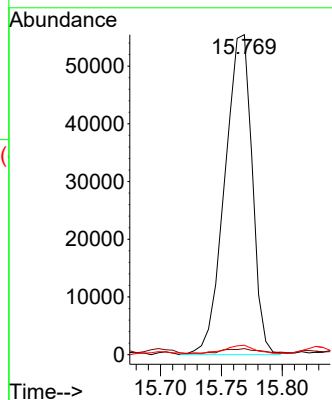
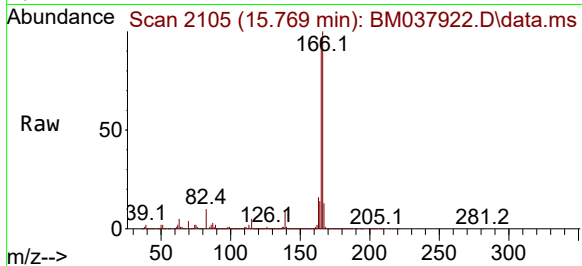




#63
4-Nitroaniline
Concen: 12.286 ng/ul
RT: 15.769 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

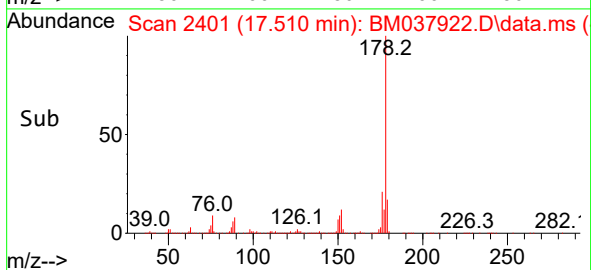
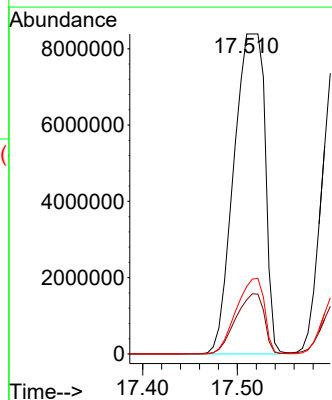
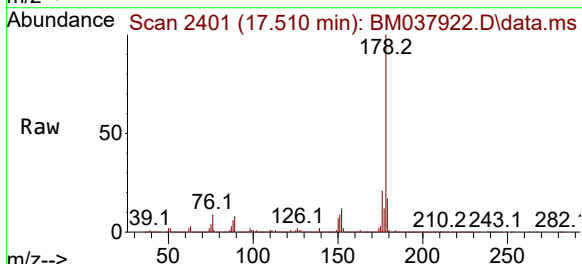
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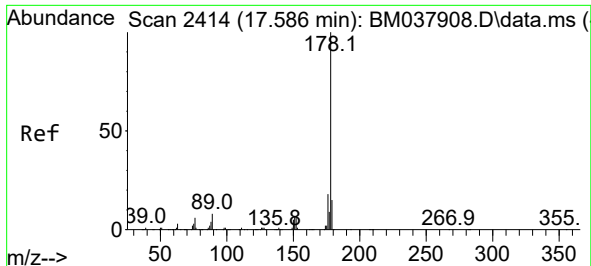
Tgt Ion:138 Resp: 86855
Ion Ratio Lower Upper
138 100
92 1.9 36.1 54.1#
108 3.0 51.6 77.4#



#72
Phenanthrene
Concen: 269.408 ng/ul
RT: 17.510 min Scan# 2401
Delta R.T. 0.018 min
Lab File: BM037922.D
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Tgt Ion:178 Resp:19183605
Ion Ratio Lower Upper
178 100
179 16.9 12.2 18.2
176 21.1 15.4 23.0

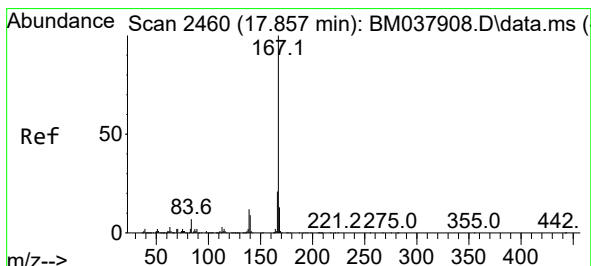
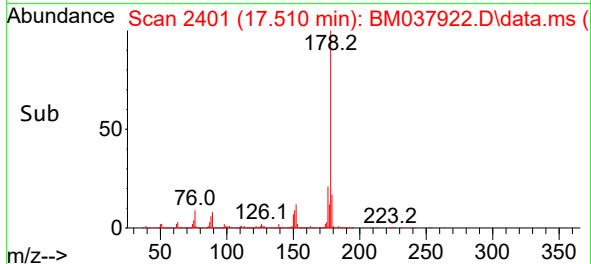
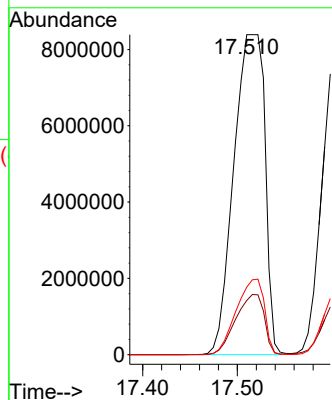
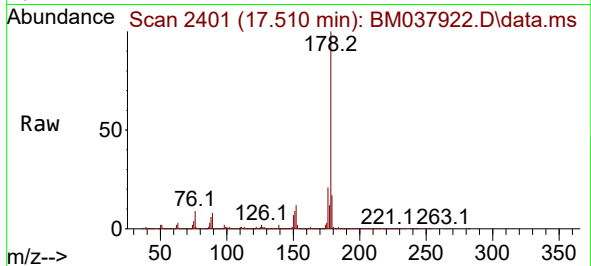




#74
 Anthracene
 Concen: 265.099 ng/ul
 RT: 17.510 min Scan# 2414
 Delta R.T. -0.076 min
 Lab File: BM037922.D
 Acq: 09 Dec 2022 18:21

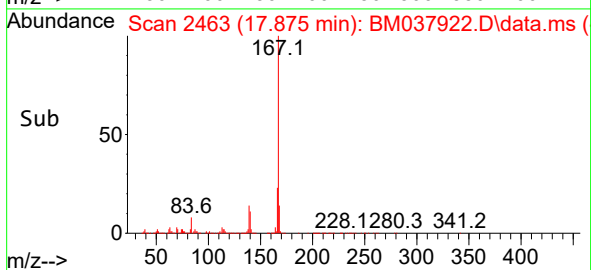
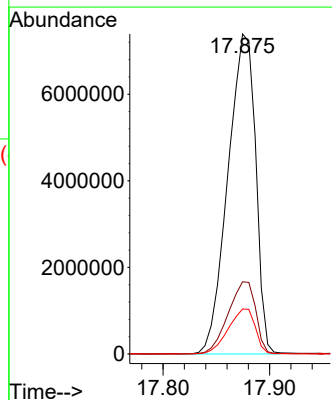
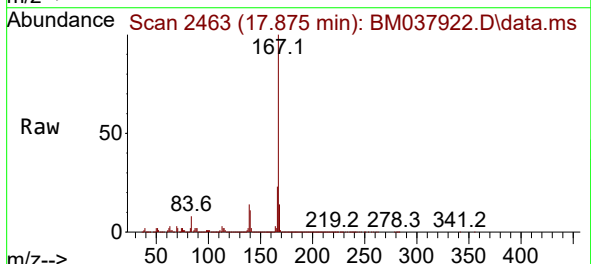
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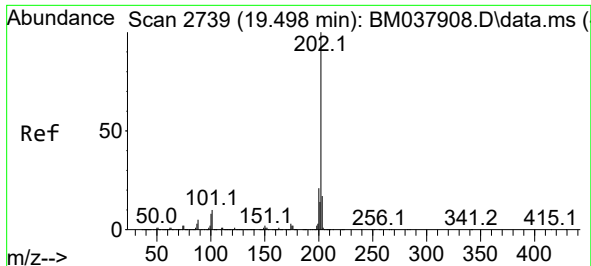
Tgt Ion:178 Resp:19183605
 Ion Ratio Lower Upper
 178 100
 179 16.9 11.8 17.8
 176 21.1 15.0 22.6



#77
 Carbazole
 Concen: 213.763 ng/ul
 RT: 17.875 min Scan# 2463
 Delta R.T. 0.018 min
 Lab File: BM037922.D
 Acq: 09 Dec 2022 18:21

Tgt Ion:167 Resp:13401757
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.7 25.1
 139 14.1 9.8 14.6

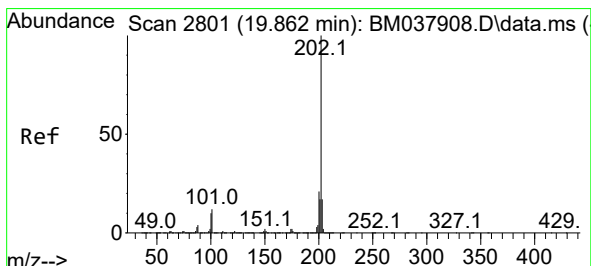
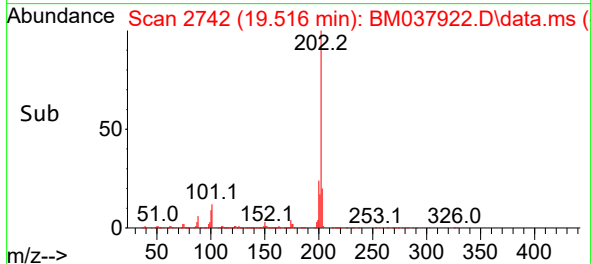
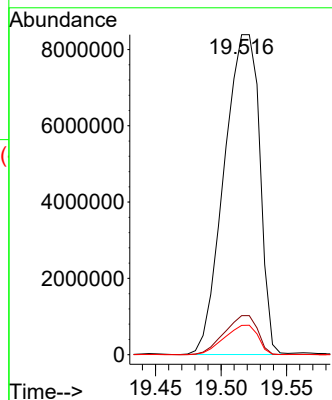
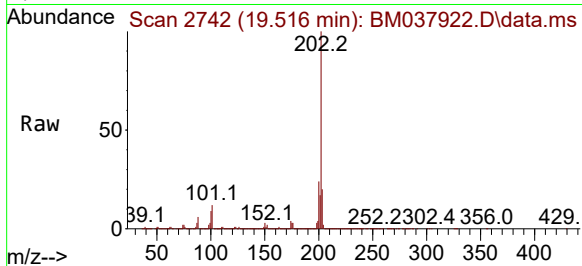




#80
Fluoranthene
Concen: 212.103 ng/ul
RT: 19.516 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

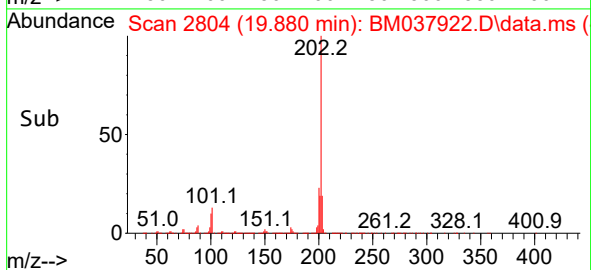
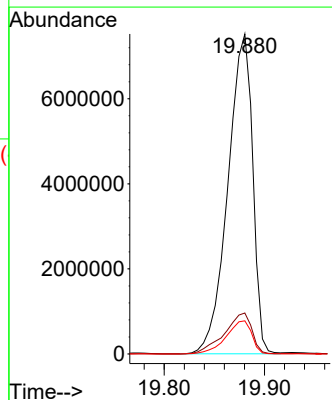
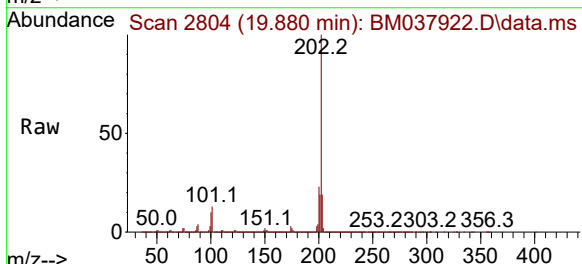
Instrument :
BNA_M
ClientSampleId :
DBXN1

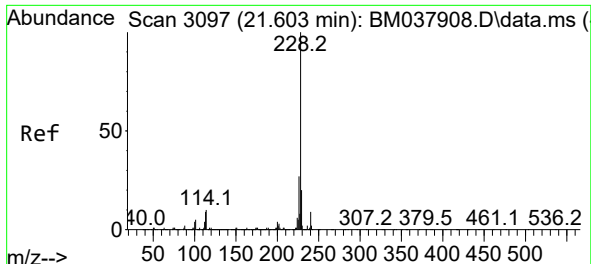
Tgt Ion:202 Resp:15803728
Ion Ratio Lower Upper
202 100
101 12.2 8.6 13.0
100 9.1 6.6 10.0



#82
Pyrene
Concen: 166.486 ng/ul
RT: 19.880 min Scan# 2804
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:202 Resp:12910148
Ion Ratio Lower Upper
202 100
101 12.8 10.0 15.0
100 10.4 7.9 11.9

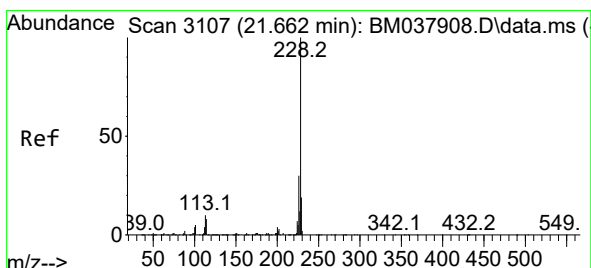
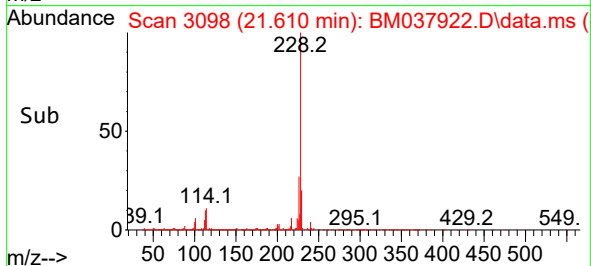
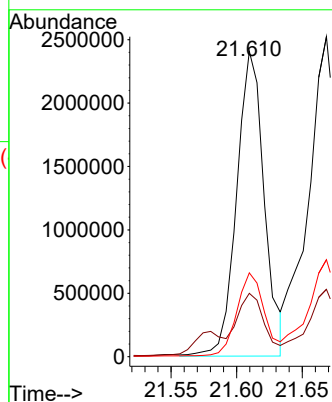
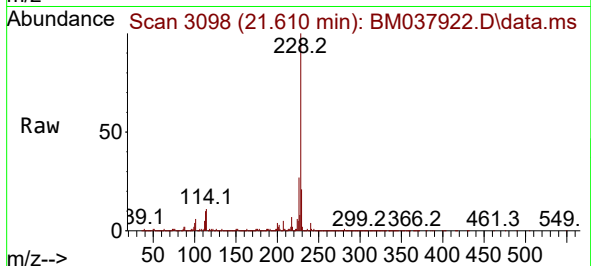




#85
Benzo(a)anthracene
Concen: 49.715 ng/ul
RT: 21.610 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

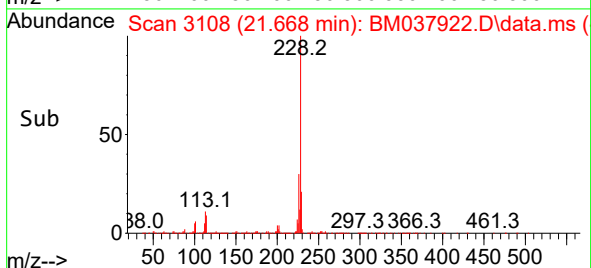
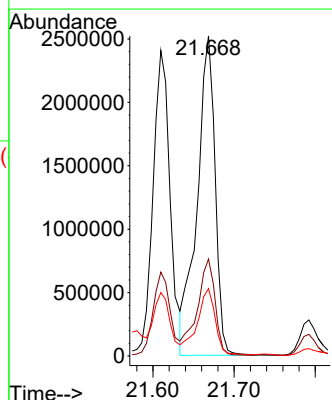
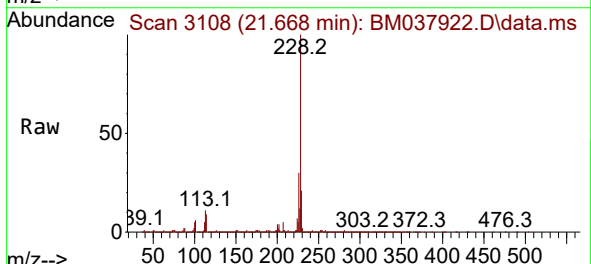
Instrument :
BNA_M
ClientSampleId :
DBXN1

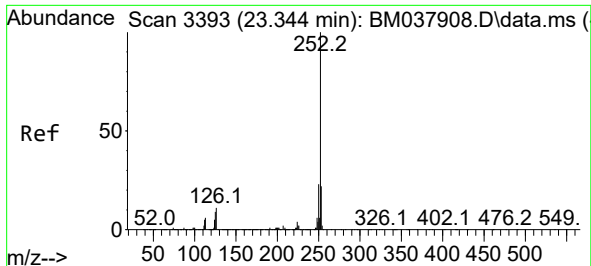
Tgt Ion:228 Resp: 3517706
Ion Ratio Lower Upper
228 100
229 20.8 15.5 23.3
226 27.4 21.8 32.8



#87
Chrysene
Concen: 58.699 ng/ul
RT: 21.668 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:228 Resp: 3896861
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.0 15.6 23.4

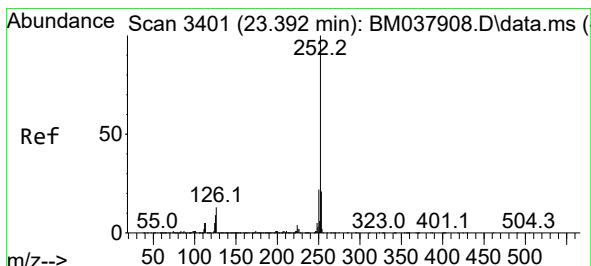
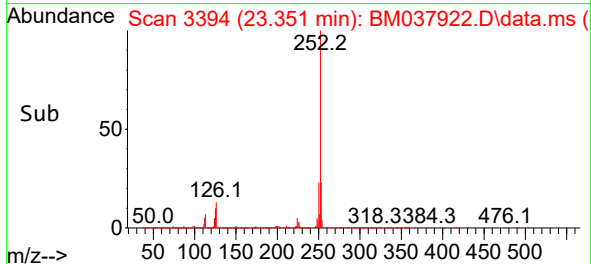
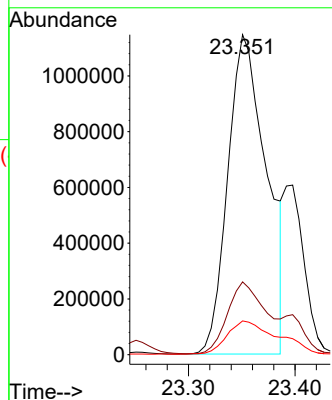
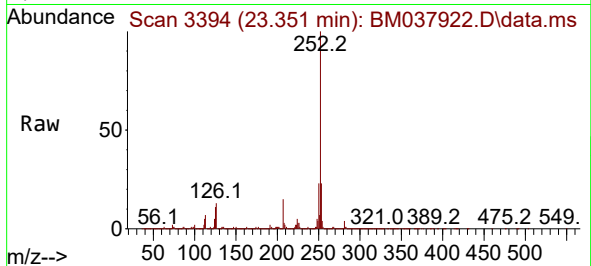




#90
Benzo(b)fluoranthene
Concen: 43.028 ng/u1
RT: 23.351 min Scan# 3393
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

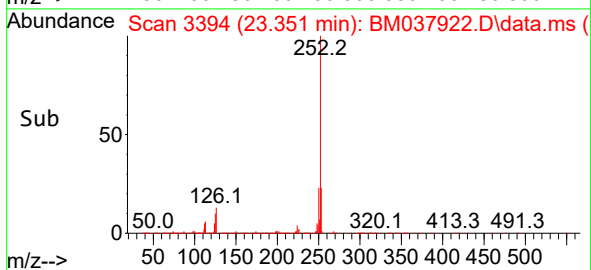
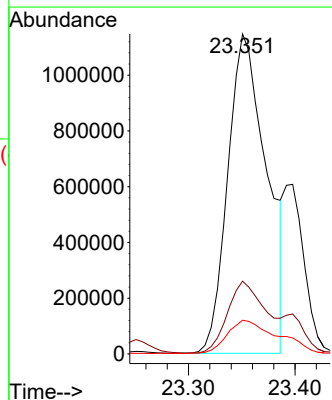
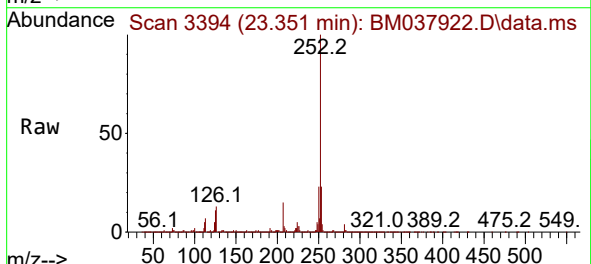
Instrument :
BNA_M
ClientSampleId :
DBXN1

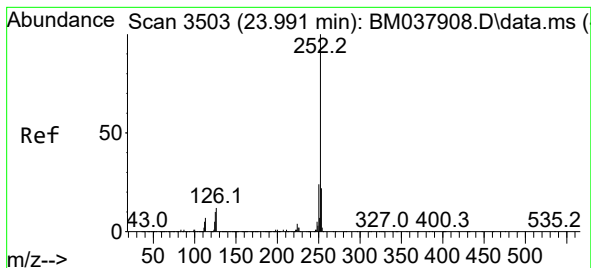
Tgt Ion:252 Resp: 2900189
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.5 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 44.397 ng/u1
RT: 23.351 min Scan# 3394
Delta R.T. -0.041 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:252 Resp: 2900189
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.5 8.1 12.1





#93

Benzo(a)pyrene

Concen: 21.264 ng/ul

RT: 23.998 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Instrument :

BNA_M

ClientSampleId :

DBXN1

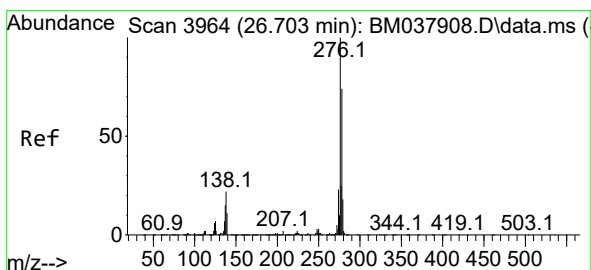
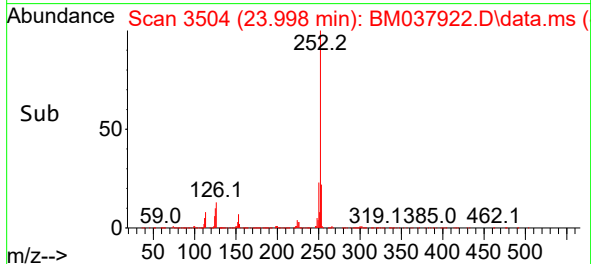
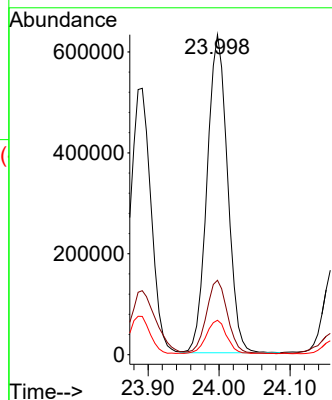
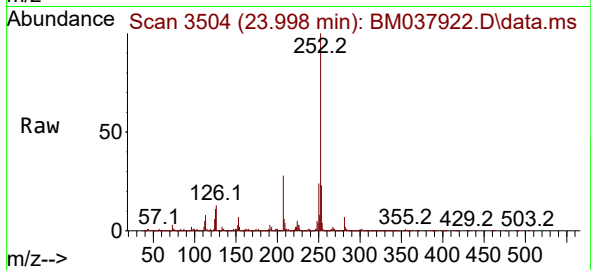
Tgt Ion:252 Resp: 1260376

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.8 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.724 ng/ul

RT: 26.698 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

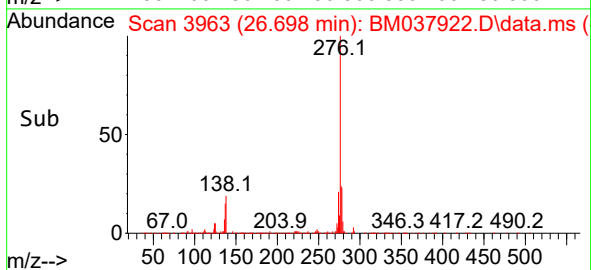
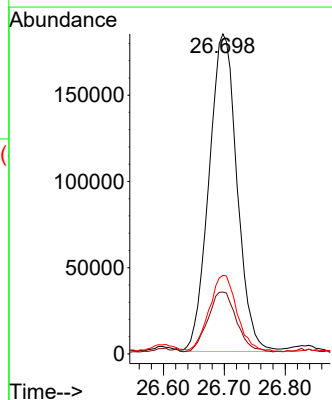
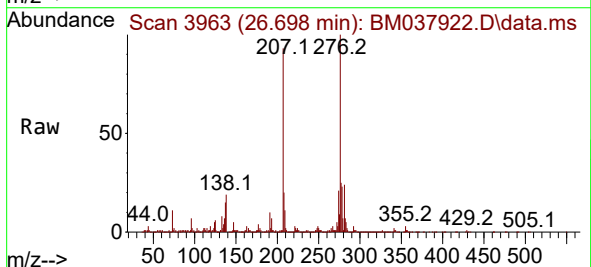
Tgt Ion:276 Resp: 589592

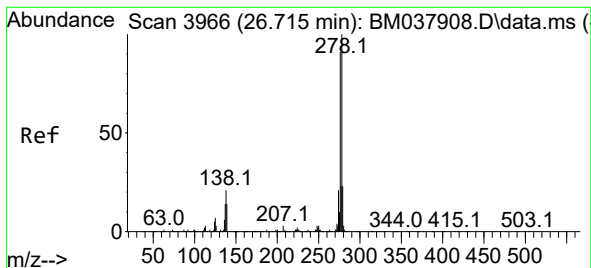
Ion Ratio Lower Upper

276 100

138 19.4 19.3 28.9

277 24.6 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 2.481 ng/ul

RT: 26.703 min Scan# 3964

Delta R.T. -0.011 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Instrument :

BNA_M

ClientSampleId :

DBXN1

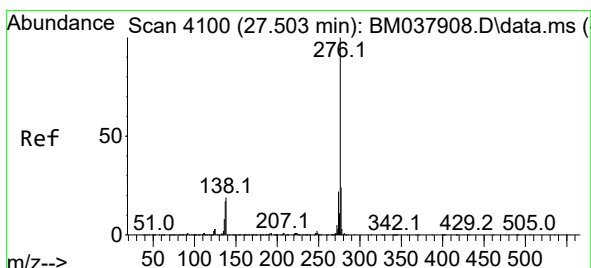
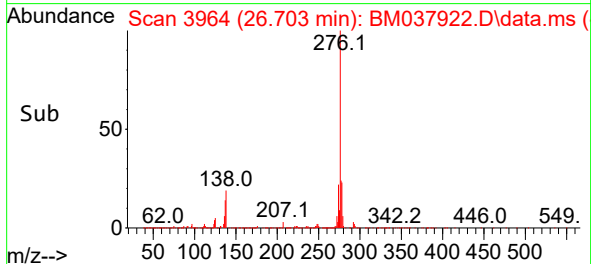
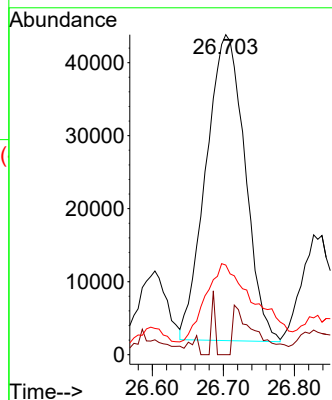
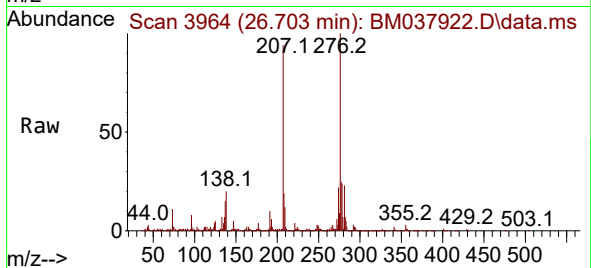
Tgt Ion:278 Resp: 159636

Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 28.0 19.8 29.6



#96

Benzo(g,h,i)perylene

Concen: 6.977 ng/ul

RT: 27.503 min Scan# 4100

Delta R.T. 0.000 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Tgt Ion:276 Resp: 425240

Ion Ratio Lower Upper

276 100

138 19.1 17.1 25.7

277 23.0 18.2 27.4

