

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022136.D
 Acq On : 14 Oct 2022 23:07
 Operator : CG/JU
 Sample : N5023-15
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:29:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

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

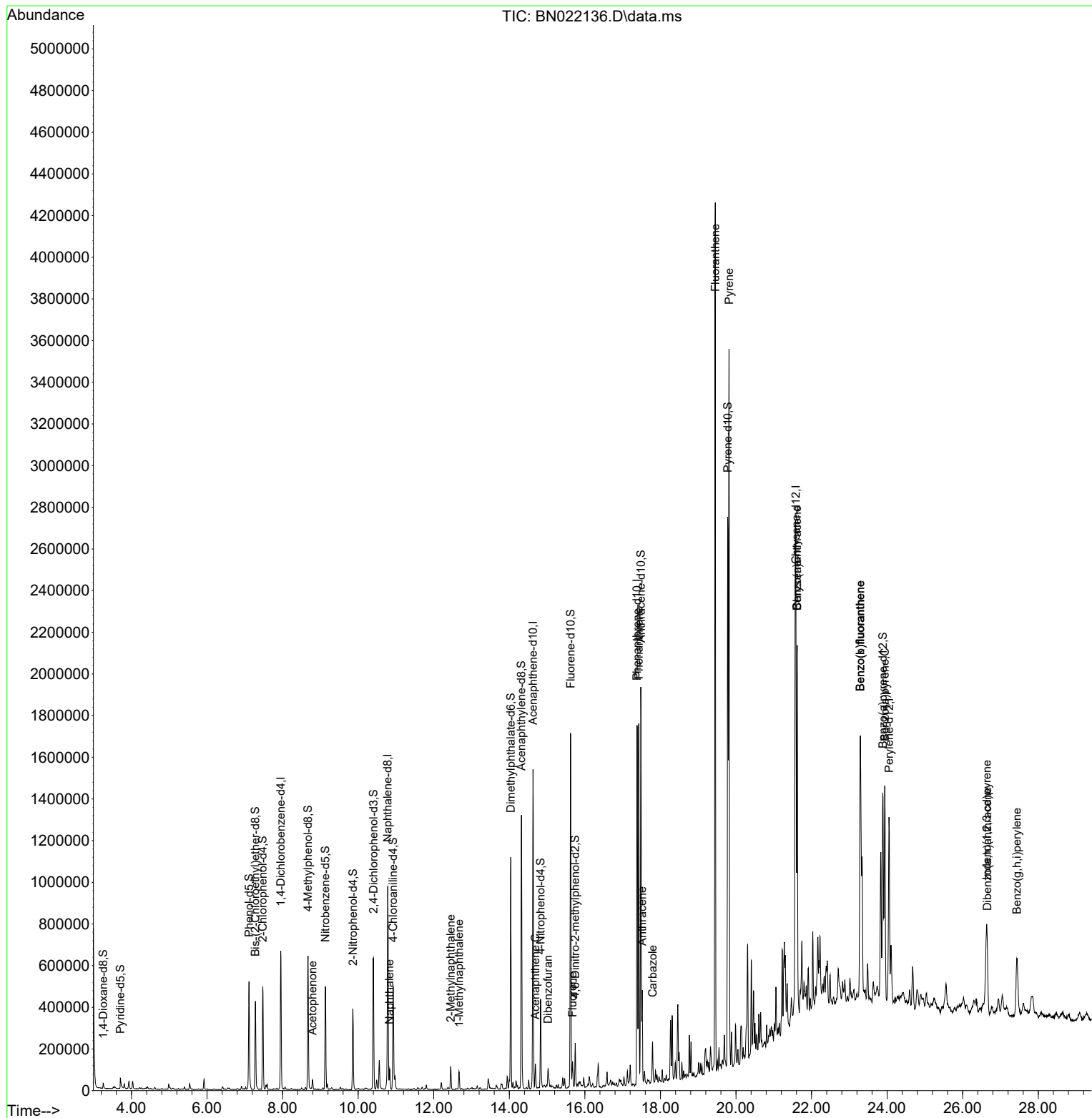
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	173834	20.000	ng/u1	0.00
20) Naphthalene-d8	10.781	136	807568	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.628	164	494899	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.380	188	1018066	20.000	ng/u1	-0.01
79) Chrysene-d12	21.586	240	774808	20.000	ng/u1	0.00
88) Perylene-d12	24.051	264	657374	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	12910	2.815	ng/uL	0.00
4) Pyridine-d5	3.705	84	32325	2.266	ng/u1	0.01
7) Phenol-d5	7.110	99	299325	17.614	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	187981	17.652	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	227966	19.347	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	243779	18.053	ng/u1	0.00
21) Nitrobenzene-d5	9.134	128	120878	20.413	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	124713	20.548	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.404	165	224419	19.698	ng/u1	0.00
31) 4-Chloroaniline-d4	10.928	131	263465	14.145	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	702921	20.375	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	828370	21.502	ng/u1	0.00
54) 4-Nitrophenol-d4	14.828	143	97253	13.207	ng/u1	0.00
60) Fluorene-d10	15.622	176	625440	21.494	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	36870	6.348	ng/u1	0.00
73) Anthracene-d10	17.480	188	995489	22.501	ng/u1	0.00
81) Pyrene-d10	19.780	212	1050900	27.242	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.886	264	739463	22.937	ng/u1	-0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.793	105	25526	1.183	ng/u1	97
30) Naphthalene	10.834	128	76301	1.764	ng/u1	98
36) 2-Methylnaphthalene	12.451	142	50554	1.692	ng/u1	100
37) 1-Methylnaphthalene	12.669	142	38484	1.286	ng/u1	94
52) Acenaphthene	14.692	153	41916	1.344	ng/u1	98
56) Dibenzofuran	15.028	168	44697	1.050	ng/u1	100
61) Fluorene	15.675	166	45474	1.329	ng/u1	98
72) Phenanthrene	17.427	178	969256	17.649	ng/u1	98
74) Anthracene	17.516	178	256558	4.703	ng/u1	98
77) Carbazole	17.792	167	114022	2.260	ng/u1	99
80) Fluoranthene	19.451	202	2404702	49.660	ng/u1	97
82) Pyrene	19.815	202	1970765	38.902	ng/u1	99
85) Benzo(a)anthracene	21.615	228	1023358	20.670	ng/u1	95
87) Chrysene	21.615	228	1023758	21.518	ng/u1	98
90) Benzo(b)fluoranthene	23.292	252	1212297	29.239	ng/u1	99
91) Benzo(k)fluoranthene	23.292	252	1212297	29.595	ng/u1	99
93) Benzo(a)pyrene	23.939	252	668899	18.051	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.639	276	431121	9.308	ng/u1	93
95) Dibenzo(a,h)anthracene	26.656	278	121478	2.932	ng/u1#	90
96) Benzo(g,h,i)perylene	27.433	276	213626	5.127	ng/u1	96

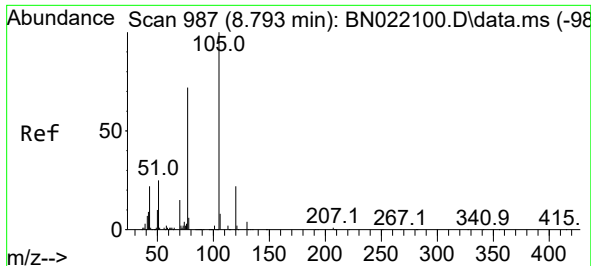
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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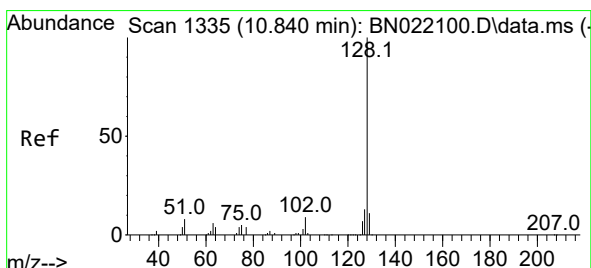
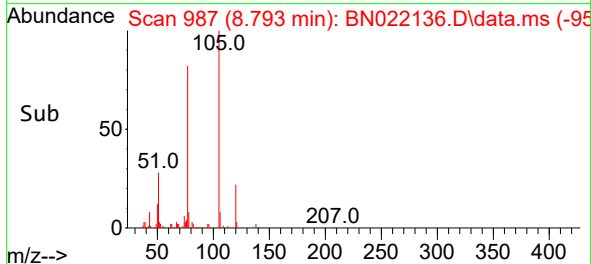
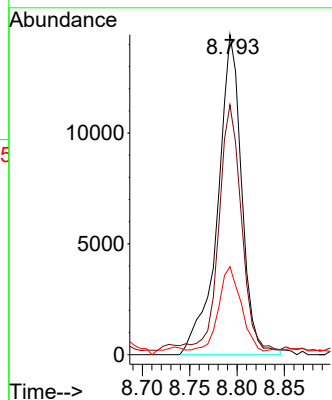
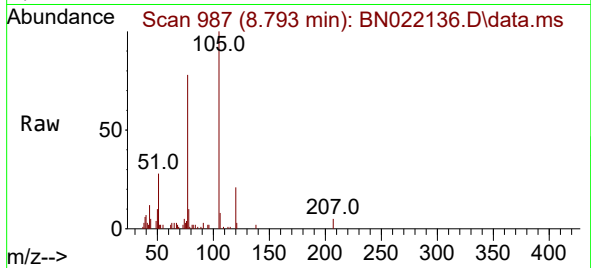




#16
Acetophenone
Concen: 1.183 ng/ul
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

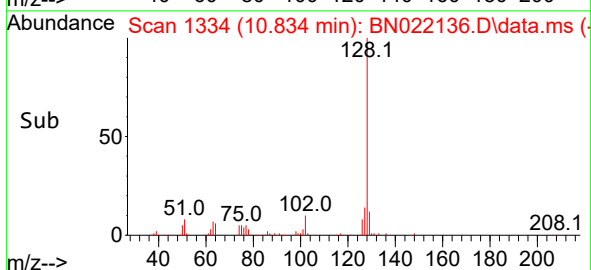
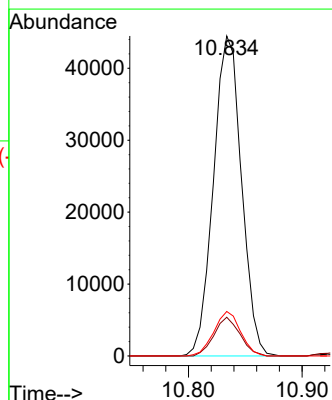
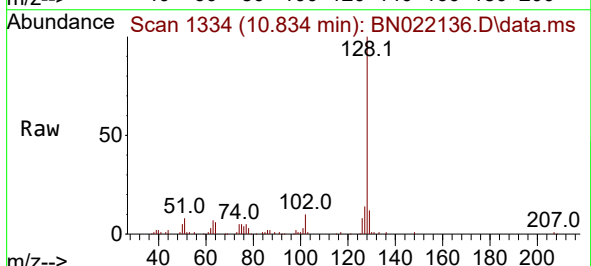
Instrument :
BNA_N
ClientSampleId :

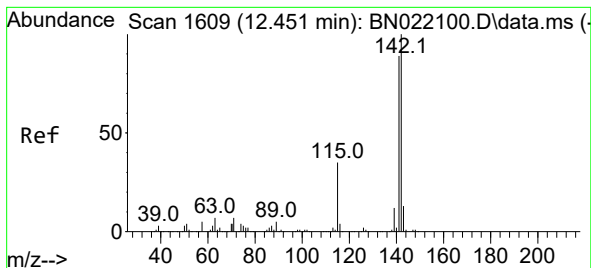
Tgt Ion:105 Resp: 25526
Ion Ratio Lower Upper
105 100
77 78.1 64.9 97.3
51 27.5 21.8 32.6



#30
Naphthalene
Concen: 1.764 ng/ul
RT: 10.834 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

Tgt Ion:128 Resp: 76301
Ion Ratio Lower Upper
128 100
129 12.1 8.5 12.7
127 13.9 10.8 16.2





#36

2-Methylnaphthalene

Concen: 1.692 ng/ul

RT: 12.451 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Instrument :

BNA_N

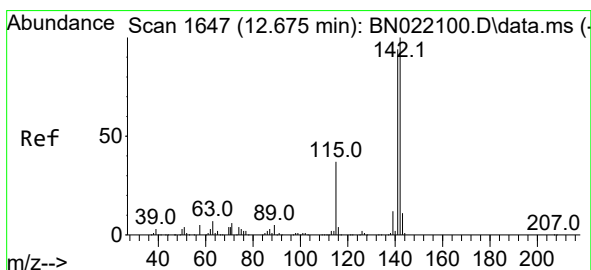
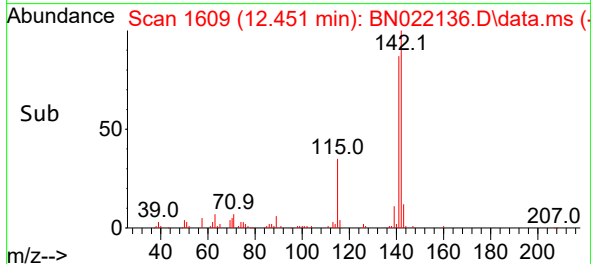
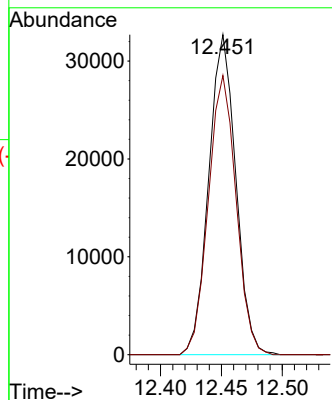
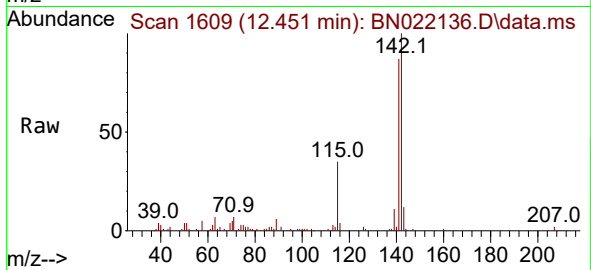
ClientSampleId :

Tgt Ion:142 Resp: 50554

Ion Ratio Lower Upper

142 100

141 87.2 69.7 104.5



#37

1-Methylnaphthalene

Concen: 1.286 ng/ul

RT: 12.669 min Scan# 1646

Delta R.T. -0.006 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

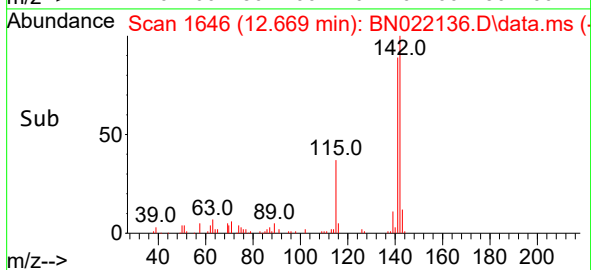
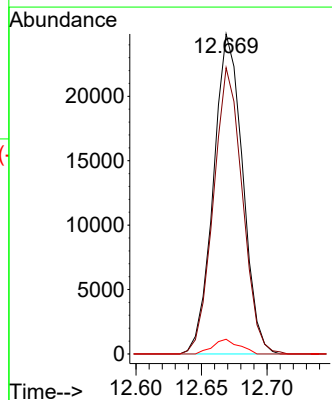
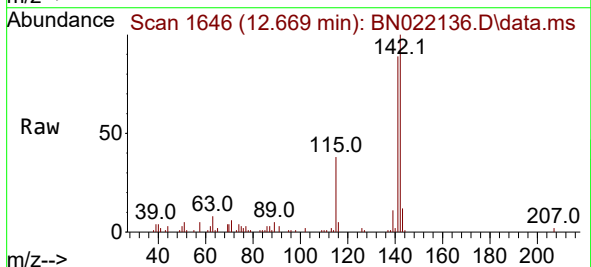
Tgt Ion:142 Resp: 38484

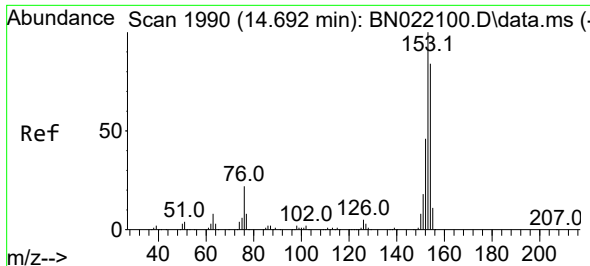
Ion Ratio Lower Upper

142 100

141 89.4 76.7 115.1

116 4.6 3.1 4.7

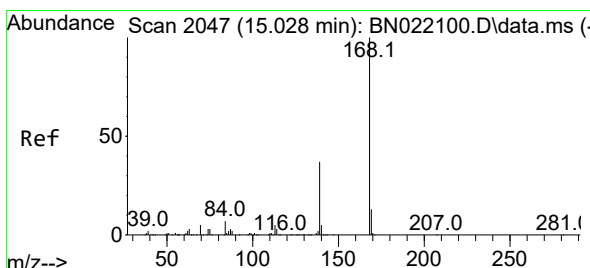
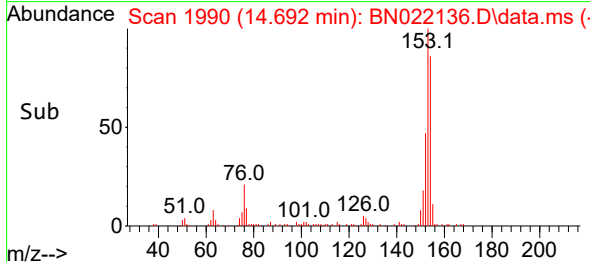
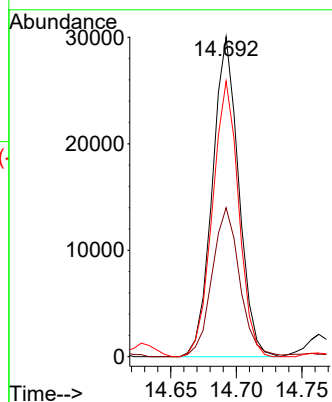
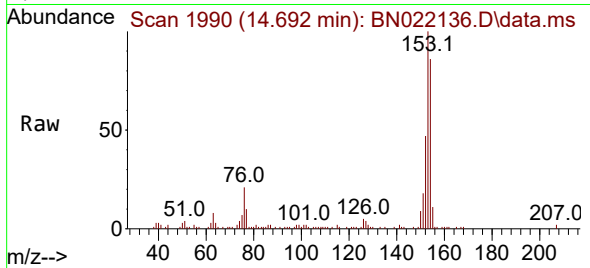




#52
Acenaphthene
Concen: 1.344 ng/ul
RT: 14.692 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

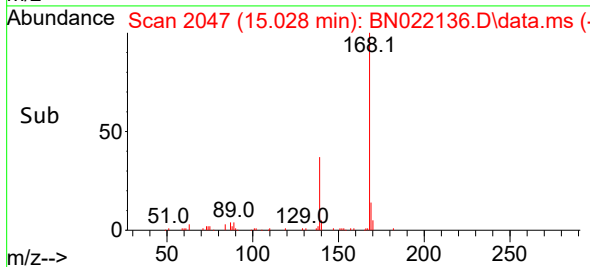
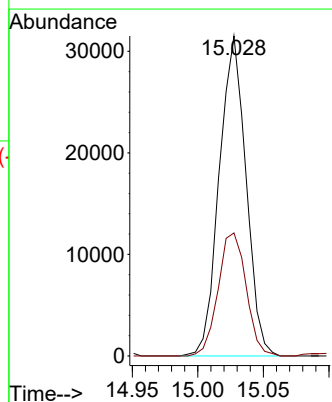
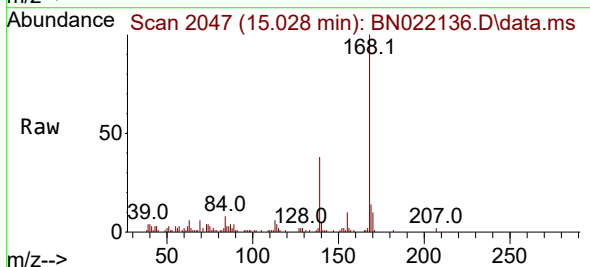
Instrument :
BNA_N
ClientSampleId :

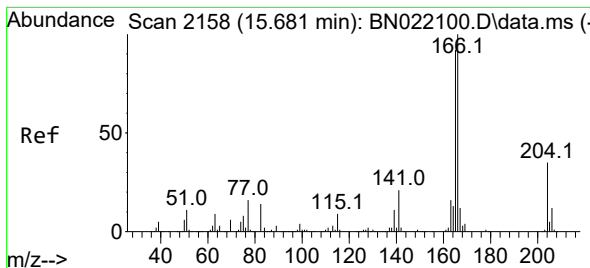
Tgt Ion:153 Resp: 41916
Ion Ratio Lower Upper
153 100
152 46.6 38.0 57.0
154 86.1 71.1 106.7



#56
Dibenzofuran
Concen: 1.050 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

Tgt Ion:168 Resp: 44697
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8





#61

Fluorene

Concen: 1.329 ng/ul

RT: 15.675 min Scan# 2158

Delta R.T. -0.012 min

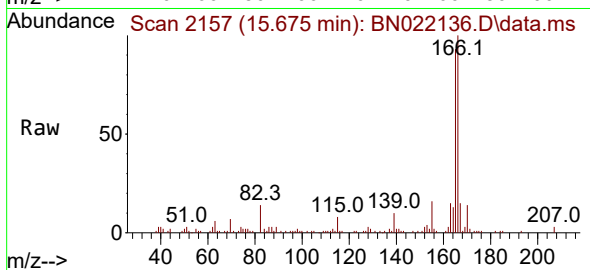
Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Instrument :

BNA_N

ClientSampleId :



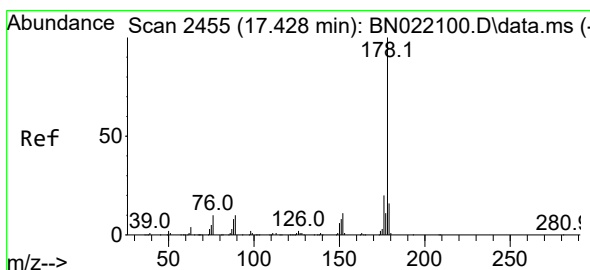
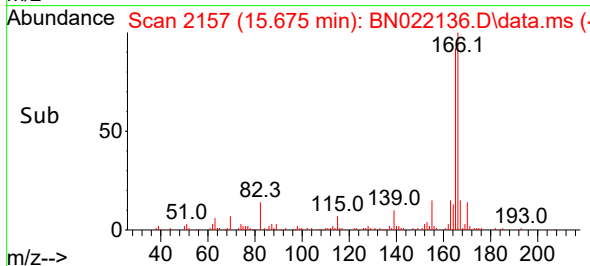
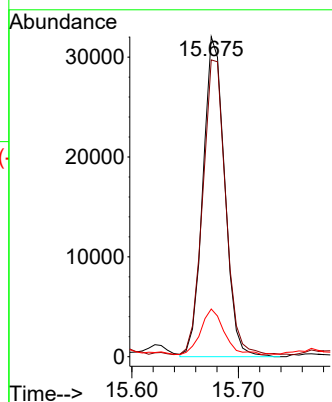
Tgt Ion:166 Resp: 45474

Ion Ratio Lower Upper

166 100

165 92.8 72.8 109.2

167 14.9 10.6 16.0



#72

Phenanthrene

Concen: 17.649 ng/ul

RT: 17.427 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

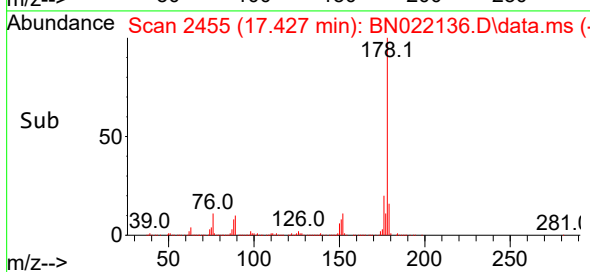
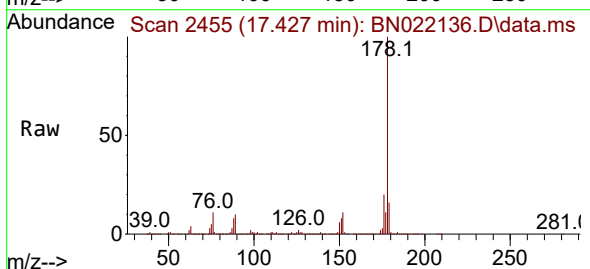
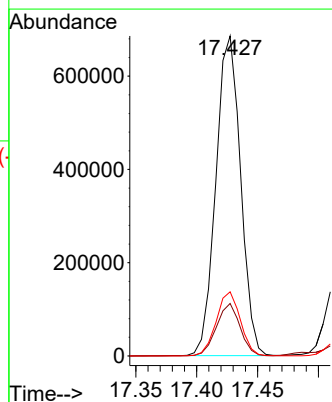
Tgt Ion:178 Resp: 969256

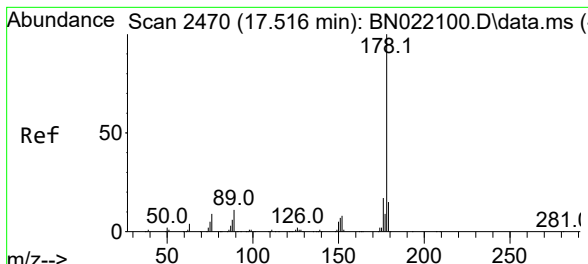
Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

176 20.1 16.5 24.7

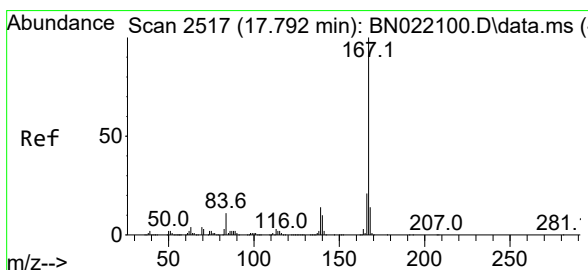
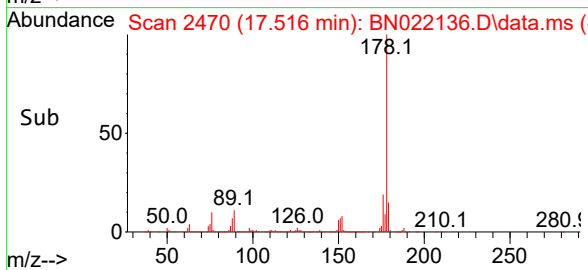
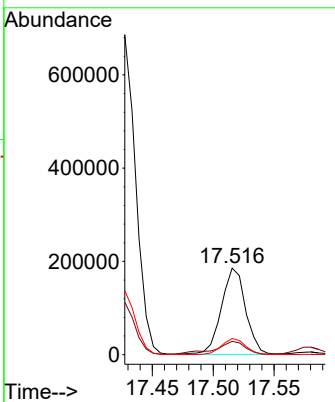
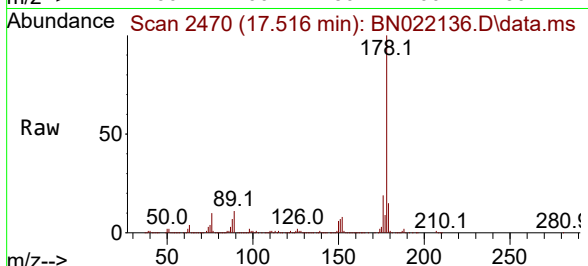




#74
 Anthracene
 Concen: 4.703 ng/ul
 RT: 17.516 min Scan# 2470
 Delta R.T. -0.006 min
 Lab File: BN022136.D
 Acq: 14 Oct 2022 23:07

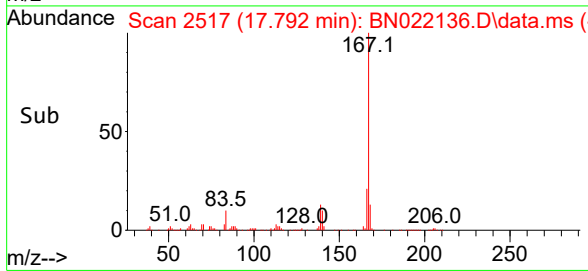
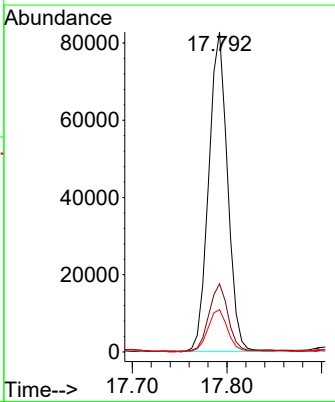
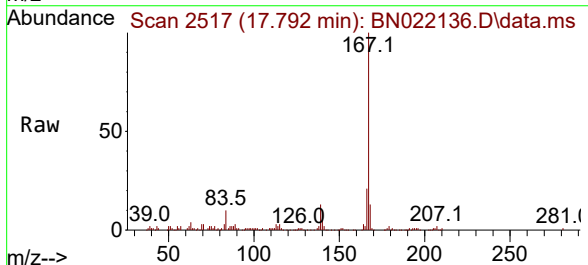
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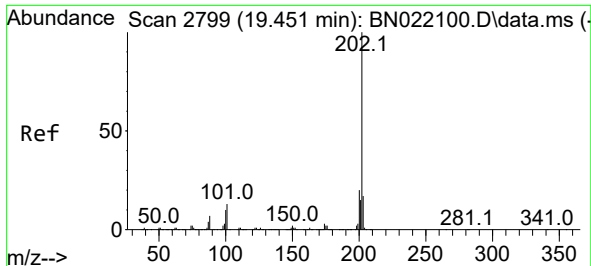
Tgt Ion:178	Resp: 256558
Ion Ratio	Lower Upper
178	100
179	15.4 13.0 19.6
176	18.6 15.8 23.6



#77
 Carbazole
 Concen: 2.260 ng/ul
 RT: 17.792 min Scan# 2517
 Delta R.T. -0.006 min
 Lab File: BN022136.D
 Acq: 14 Oct 2022 23:07

Tgt Ion:167	Resp: 114022
Ion Ratio	Lower Upper
167	100
166	21.3 17.3 25.9
139	13.2 10.7 16.1

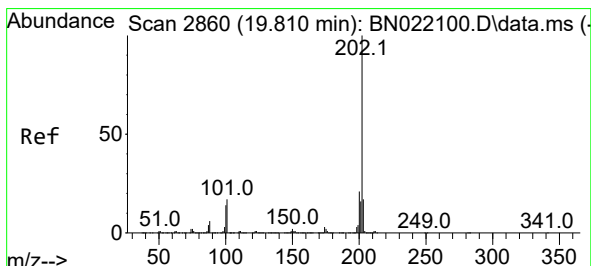
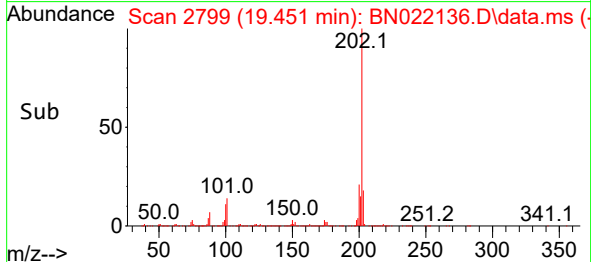
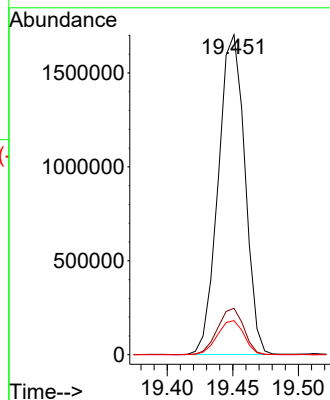
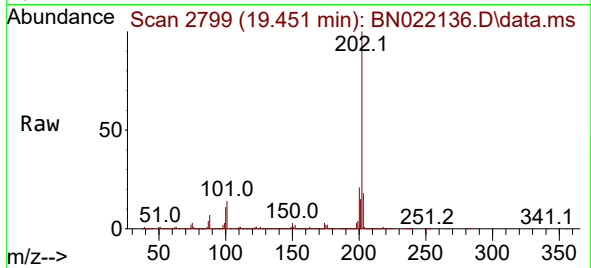




#80
Fluoranthene
Concen: 49.660 ng/ul
RT: 19.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

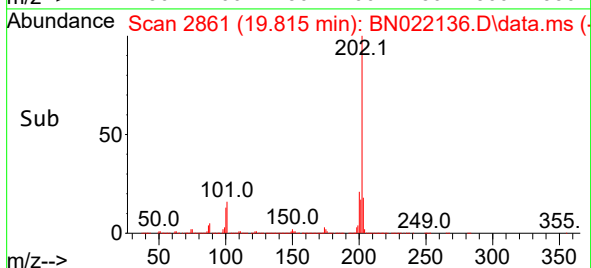
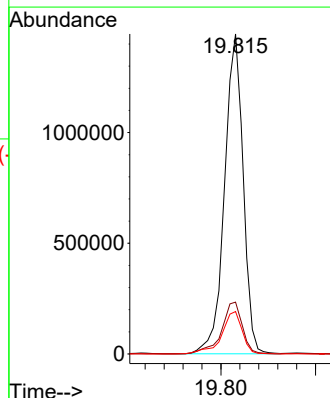
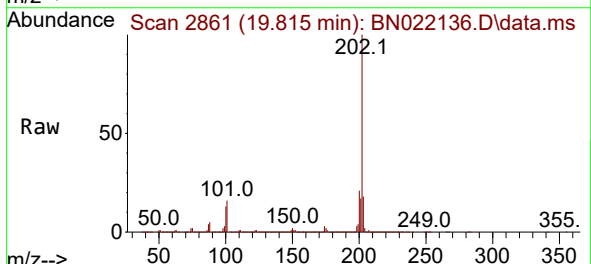
Instrument :
BNA_N
ClientSampleId :

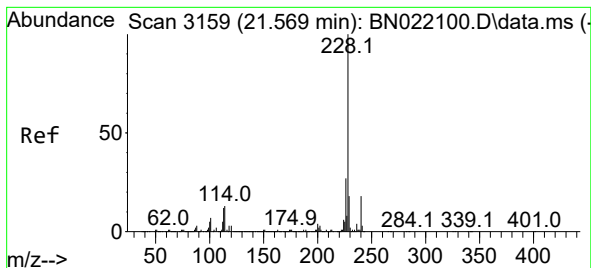
Tgt Ion:202 Resp: 2404702
Ion Ratio Lower Upper
202 100
101 14.5 10.3 15.5
100 10.7 7.8 11.8



#82
Pyrene
Concen: 38.902 ng/ul
RT: 19.815 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

Tgt Ion:202 Resp: 1970765
Ion Ratio Lower Upper
202 100
101 16.2 13.4 20.0
100 13.2 10.9 16.3





#85

Benzo(a)anthracene

Concen: 20.670 ng/ul

RT: 21.615 min Scan# 3167

Delta R.T. 0.041 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Instrument :

BNA_N

ClientSampleId :

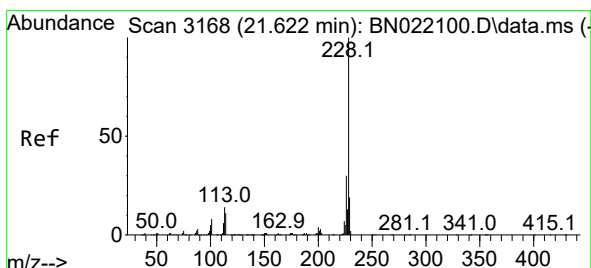
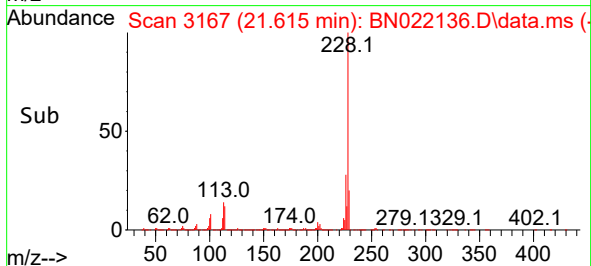
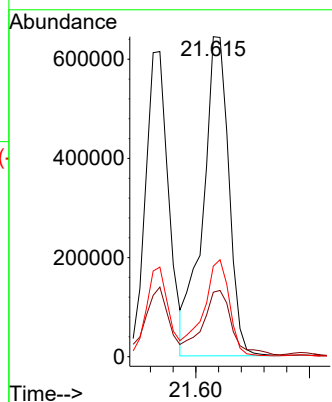
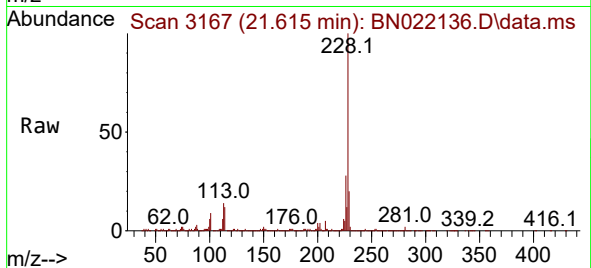
Tgt Ion:228 Resp: 1023358

Ion Ratio Lower Upper

228 100

229 20.2 13.5 20.3

226 28.3 21.0 31.6



#87

Chrysene

Concen: 21.518 ng/ul

RT: 21.615 min Scan# 3167

Delta R.T. -0.012 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

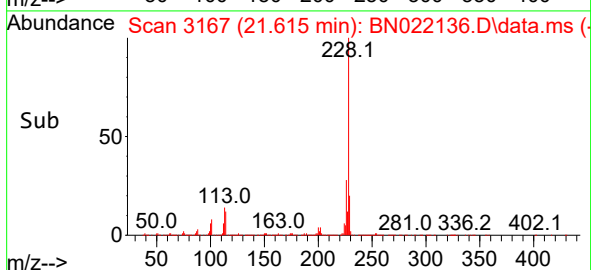
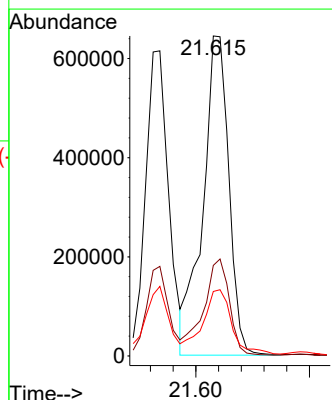
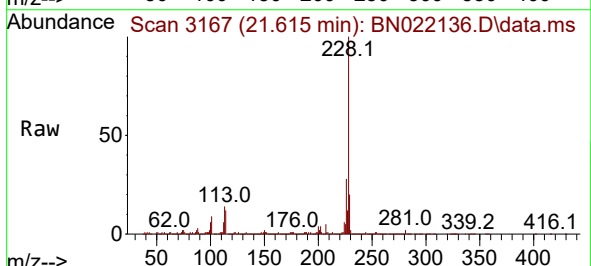
Tgt Ion:228 Resp: 1023758

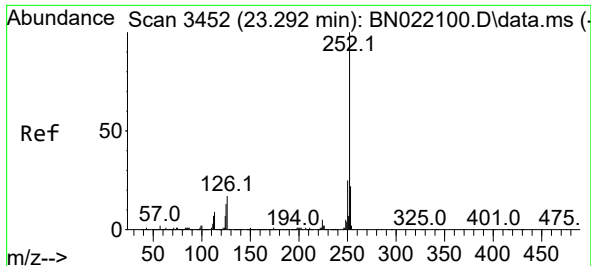
Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.8

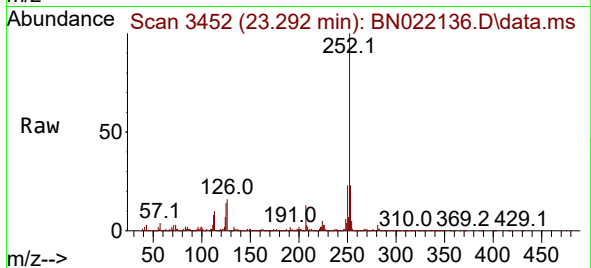
229 20.2 16.5 24.7



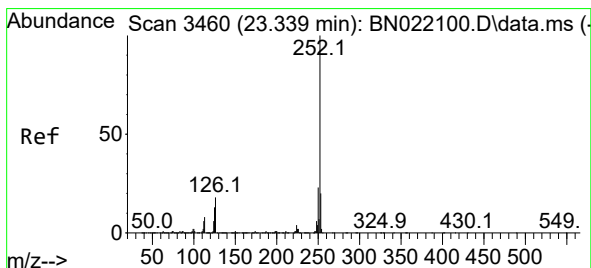
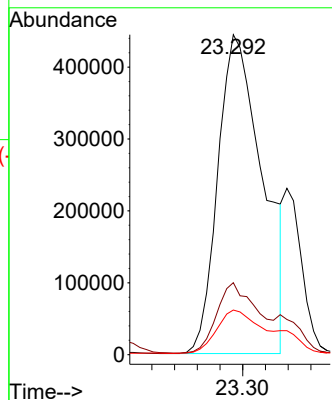
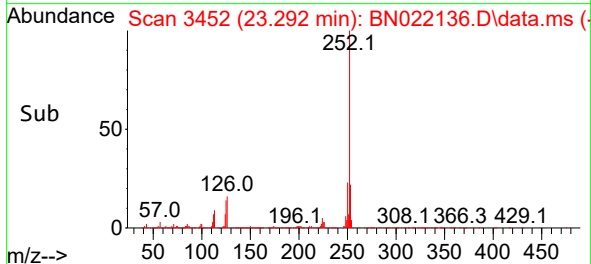


#90
Benzo(b)fluoranthene
Concen: 29.239 ng/ul
RT: 23.292 min Scan# 3452
Delta R.T. -0.006 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

Instrument :
BNA_N
ClientSampleId :

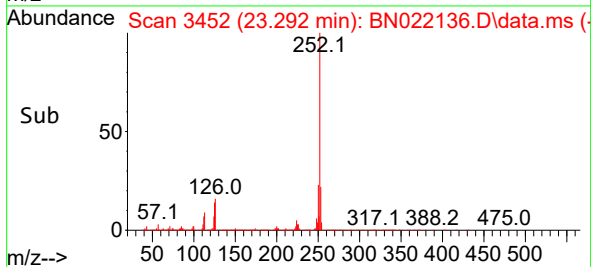
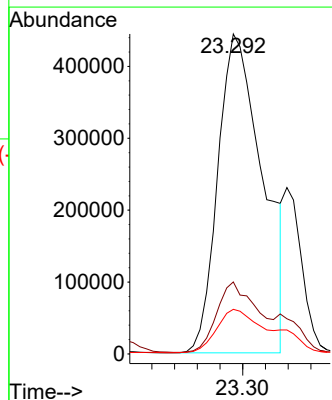
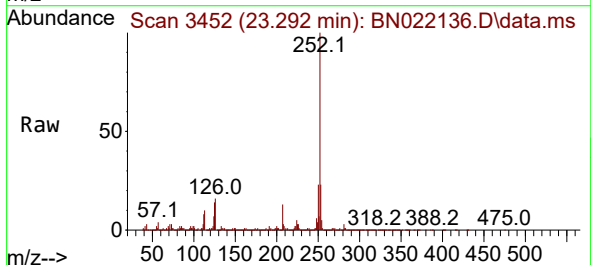


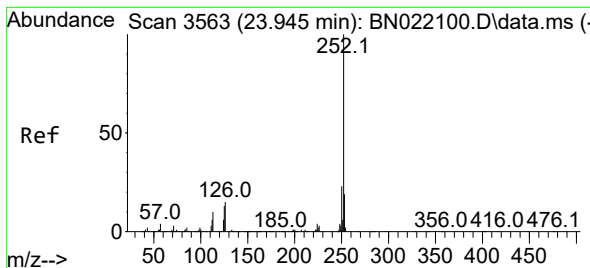
Tgt Ion:252 Resp: 1212297
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 14.0 10.7 16.1



#91
Benzo(k)fluoranthene
Concen: 29.595 ng/ul
RT: 23.292 min Scan# 3452
Delta R.T. -0.059 min
Lab File: BN022136.D
Acq: 14 Oct 2022 23:07

Tgt Ion:252 Resp: 1212297
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 14.0 10.6 15.8





#93

Benzo(a)pyrene

Concen: 18.051 ng/ul

RT: 23.939 min Scan# 3562

Delta R.T. -0.012 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Instrument :

BNA_N

ClientSampleId :

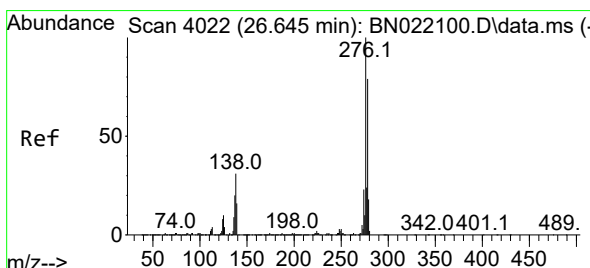
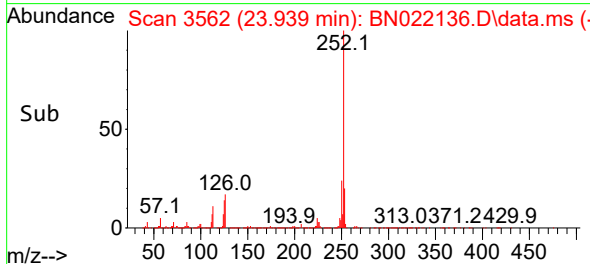
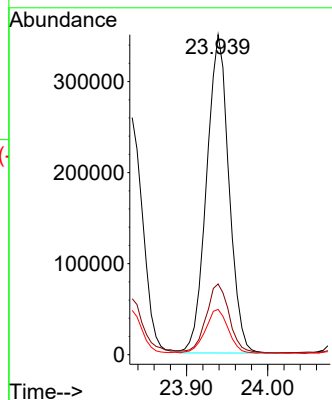
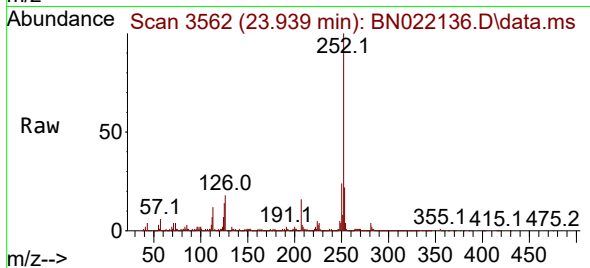
Tgt Ion:252 Resp: 668899

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 14.2 10.8 16.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.308 ng/ul

RT: 26.639 min Scan# 4021

Delta R.T. -0.024 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

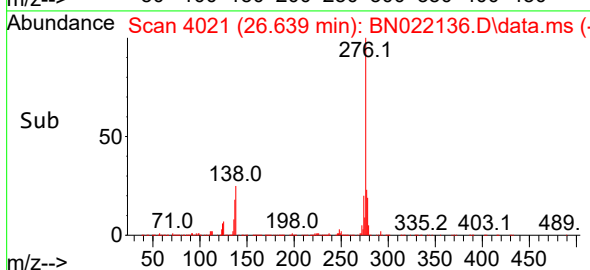
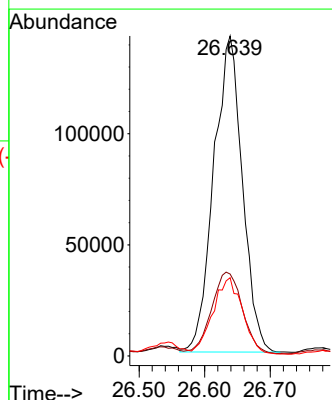
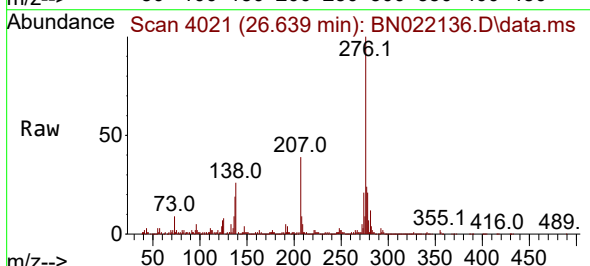
Tgt Ion:276 Resp: 431121

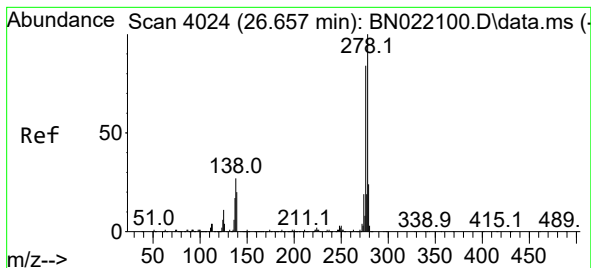
Ion Ratio Lower Upper

276 100

138 25.6 24.6 36.8

277 24.4 18.4 27.6





#95

Dibenzo(a,h)anthracene

Concen: 2.932 ng/ul

RT: 26.656 min Scan# 4024

Delta R.T. -0.018 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Instrument :

BNA_N

ClientSampleId :

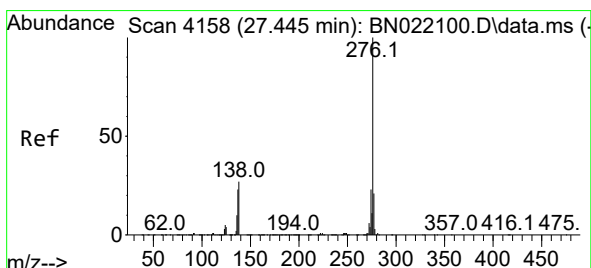
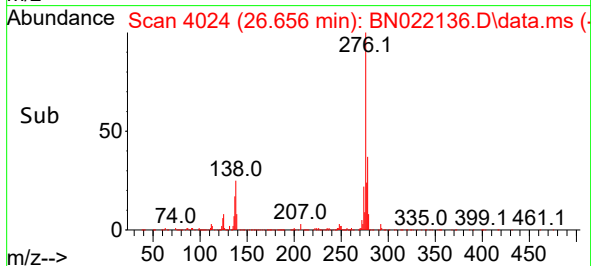
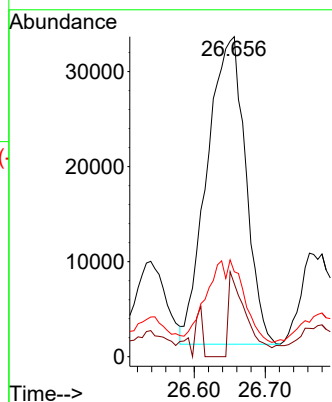
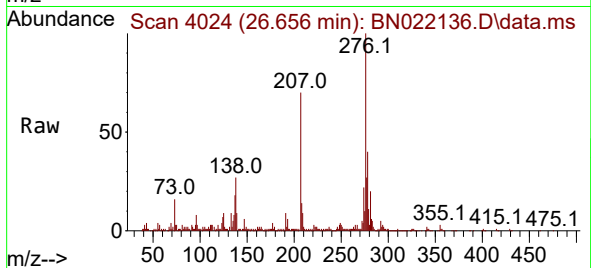
Tgt Ion:278 Resp: 121478

Ion Ratio Lower Upper

278 100

139 22.8 15.7 23.5

279 26.5 16.5 24.7#



#96

Benzo(g,h,i)perylene

Concen: 5.127 ng/ul

RT: 27.433 min Scan# 4156

Delta R.T. -0.024 min

Lab File: BN022136.D

Acq: 14 Oct 2022 23:07

Tgt Ion:276 Resp: 213626

Ion Ratio Lower Upper

276 100

138 29.0 21.2 31.8

277 24.2 17.9 26.9

