

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031639.D
 Acq On : 23 May 2024 19:33
 Operator : MA/JU
 Sample : P2547-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5X3

Quant Time: May 23 22:53:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	437267	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	1822232	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1032608	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	1744255	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1134674	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1347044	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	32095	2.909	ng/uL	0.00
4) Pyridine-d5	3.605	84	333069	10.819	ng/u1	0.00
7) Phenol-d5	6.852	99	635321	17.650	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	388246	17.984	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	495031	17.848	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	426649	15.311	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	241443	17.507	ng/u1	0.00
24) 2-Nitrophenol-d4	9.558	143	225719	17.140	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	460245	17.874	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	443508	11.949	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	1352250	20.780	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	1597116	19.582	ng/u1	0.00
54) 4-Nitrophenol-d4	14.516	143	132425	10.755	ng/u1	0.00
60) Fluorene-d10	15.322	176	1123081	19.914	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	84720	11.234	ng/u1	0.00
73) Anthracene-d10	17.169	188	1489792	20.176	ng/u1	0.00
81) Pyrene-d10	19.469	212	1396626	19.623	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1366719	21.555	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.511	105	52883	1.217	ng/u1	97
30) Naphthalene	10.522	128	106343	1.134	ng/u1	99
50) Acenaphthylene	14.046	152	129261	1.373	ng/u1	97
52) Acenaphthene	14.393	153	212560	3.484	ng/u1	93
56) Dibenzofuran	14.728	168	176227	2.164	ng/u1	98
61) Fluorene	15.375	166	203795	3.195	ng/u1	99
72) Phenanthrene	17.116	178	4309542	48.684	ng/u1	99
74) Anthracene	17.204	178	836744	9.421	ng/u1	98
77) Carbazole	17.475	167	429869	5.672	ng/u1	97
80) Fluoranthene	19.134	202	6002815	68.234	ng/u1	99
82) Pyrene	19.498	202	4956964	54.943	ng/u1	98
83) Butylbenzylphthalate	20.404	149	75571	2.468	ng/u1	98
85) Benzo(a)anthracene	21.286	228	2515213	32.964	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.222	149	259865	6.198	ng/u1	99
87) Chrysene	21.286	228	2515010	35.683	ng/u1	99
90) Benzo(b)fluoranthene	23.316	252	3271398	41.617	ng/u1	97
91) Benzo(k)fluoranthene	23.363	252	1176154	14.678	ng/u1	97
93) Benzo(a)pyrene	24.098	252	2394147	31.707	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.533	276	1705488	18.819	ng/u1	98
95) Dibenzo(a,h)anthracene	27.574	278	252943	3.389	ng/u1	95
96) Benzo(g,h,i)perylene	28.562	276	976143	13.037	ng/u1	98

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

Instrument :

BNA_N

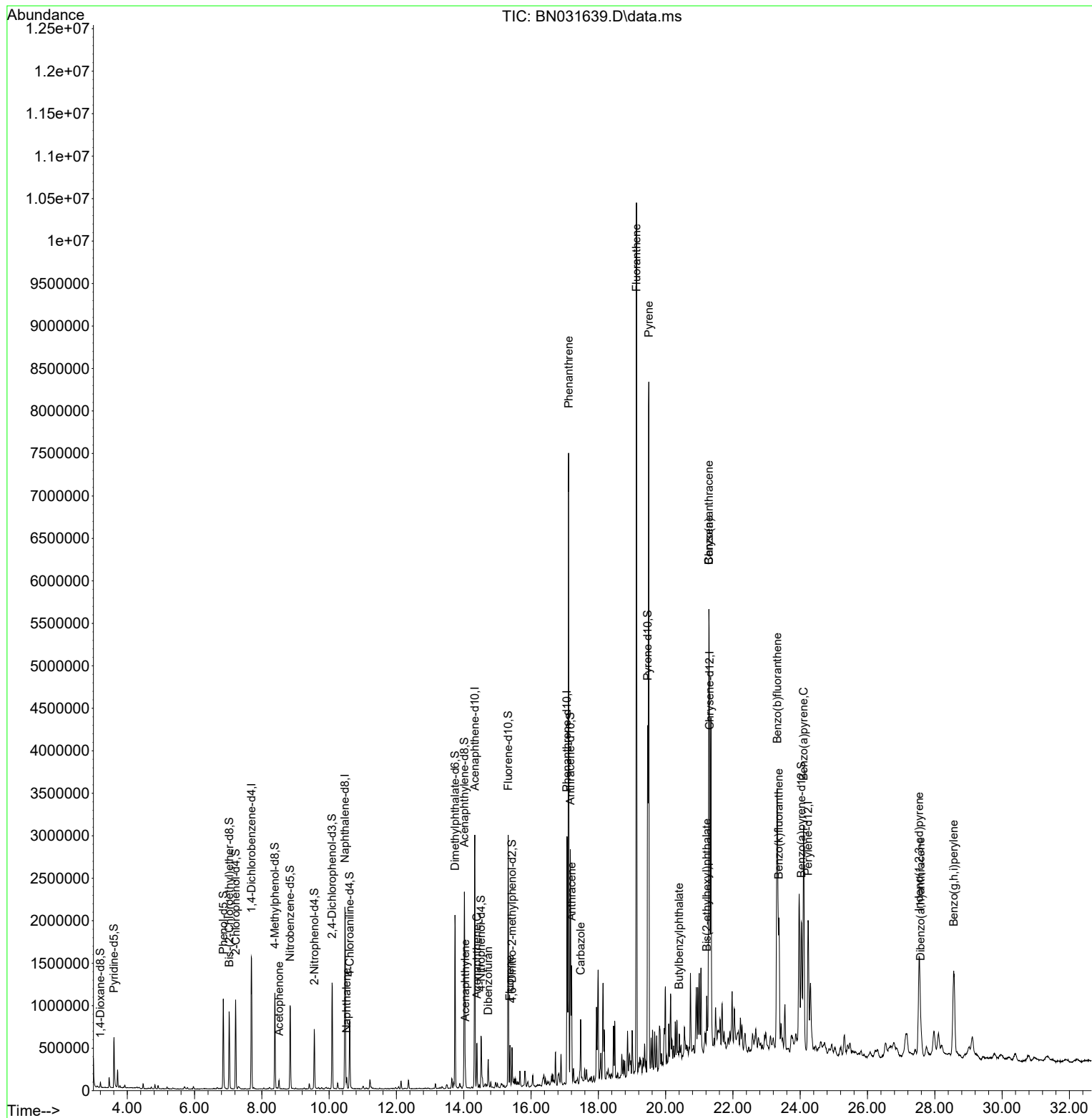
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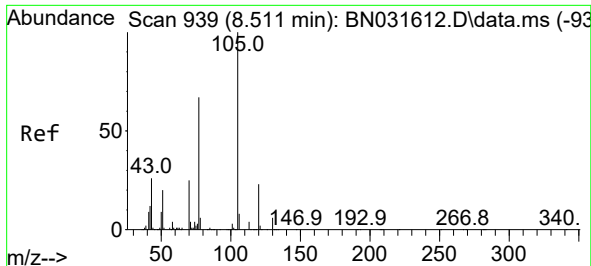
BH5X3

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Quant Title : SVOA CALIBRATION
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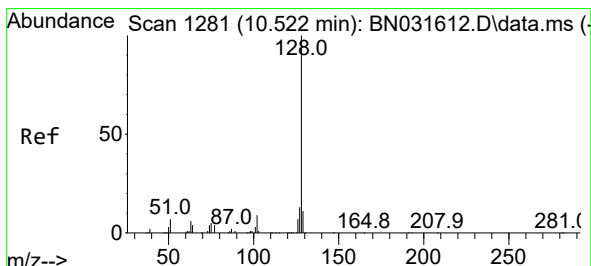
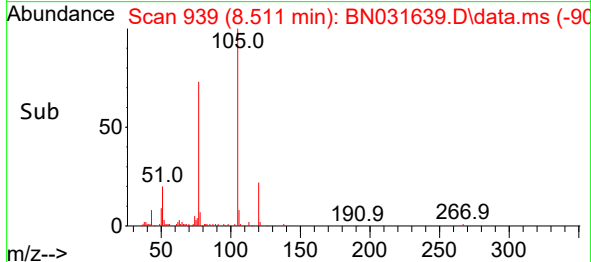
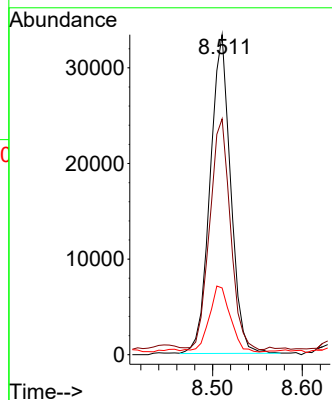
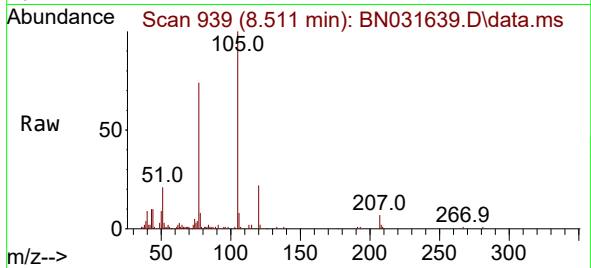




#16
Acetophenone
Concen: 1.217 ng/ul
RT: 8.511 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031639.D
Acq: 23 May 2024 19:33

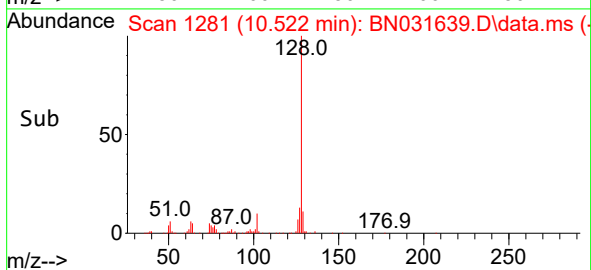
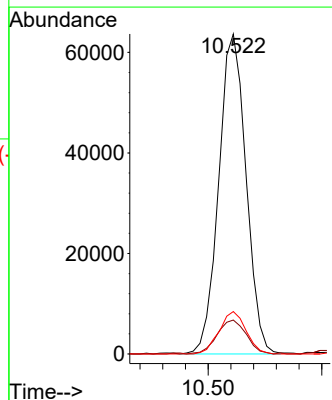
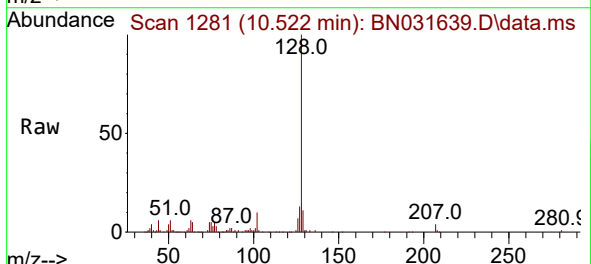
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BNA_N
ClientSampleId :
BH5X3

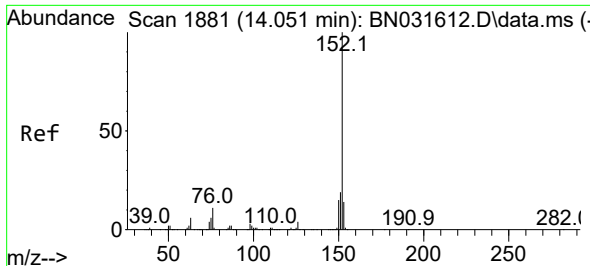
Tgt Ion:105 Resp: 52883
Ion Ratio Lower Upper
105 100
77 73.7 60.7 91.1
51 20.9 18.6 28.0



#30
Naphthalene
Concen: 1.134 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031639.D
Acq: 23 May 2024 19:33

Tgt Ion:128 Resp: 106343
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.2 10.2 15.2

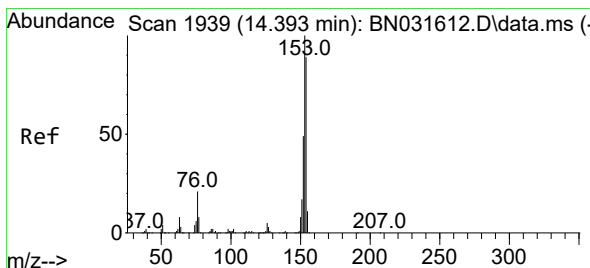
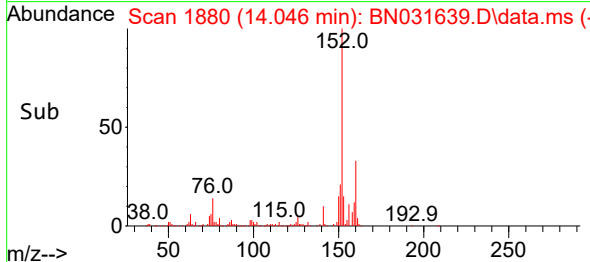
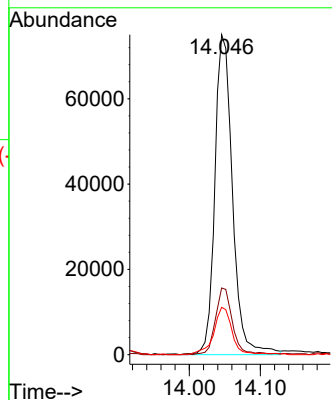
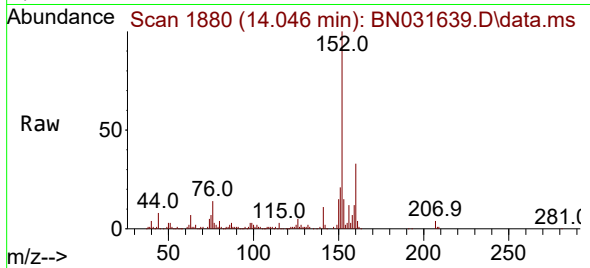




#50
Acenaphthylene
Concen: 1.373 ng/ul
RT: 14.046 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BN031639.D
Acq: 23 May 2024 19:33

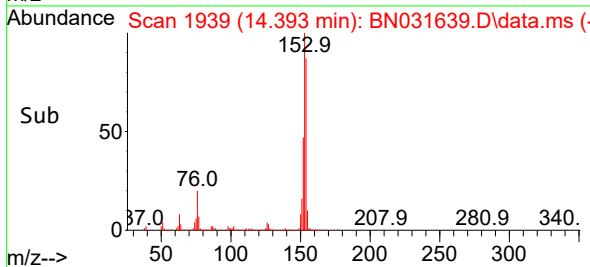
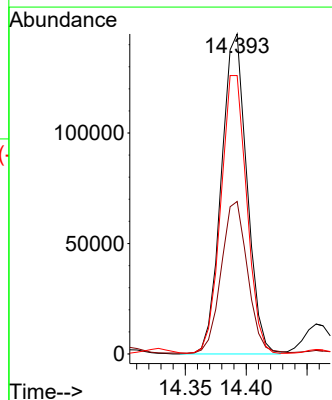
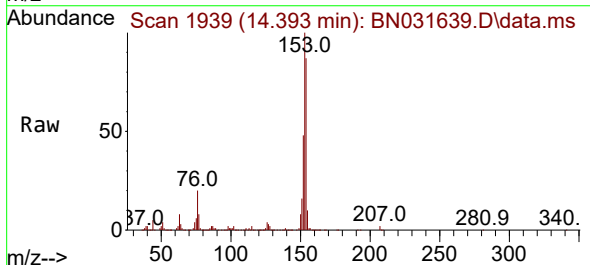
Instrument :
BNA_N
ClientSampleId :
BH5X3

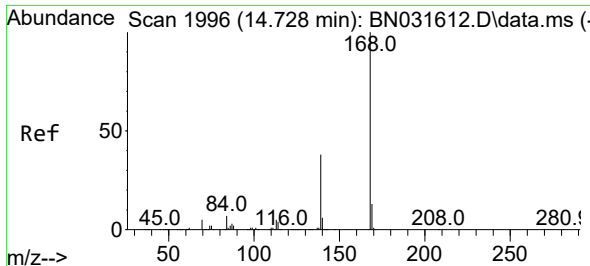
Tgt Ion:152 Resp: 129261
Ion Ratio Lower Upper
152 100
151 20.9 15.6 23.4
153 14.8 10.8 16.2



#52
Acenaphthene
Concen: 3.484 ng/ul
RT: 14.393 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN031639.D
Acq: 23 May 2024 19:33

Tgt Ion:153 Resp: 212560
Ion Ratio Lower Upper
153 100
152 47.6 40.5 60.7
154 87.0 76.6 114.8

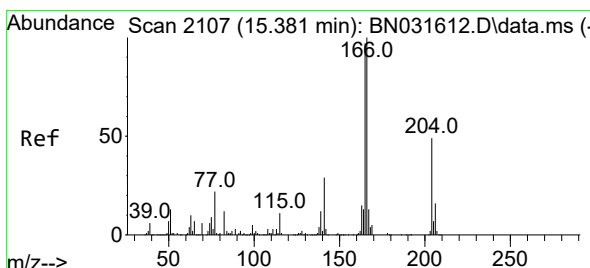
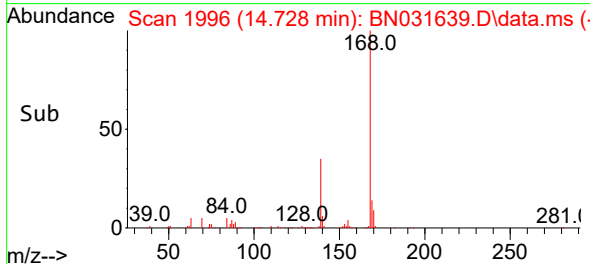
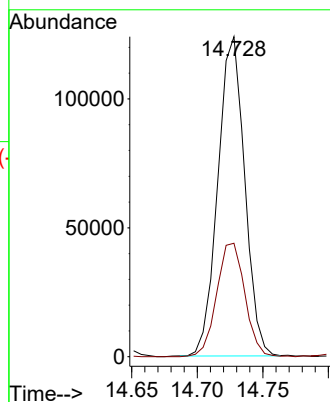
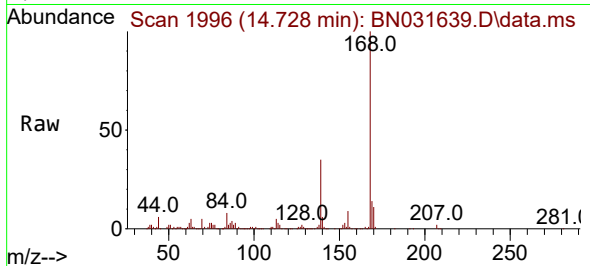




#56
 Dibenzenofuran
 Concen: 2.164 ng/ul
 RT: 14.728 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

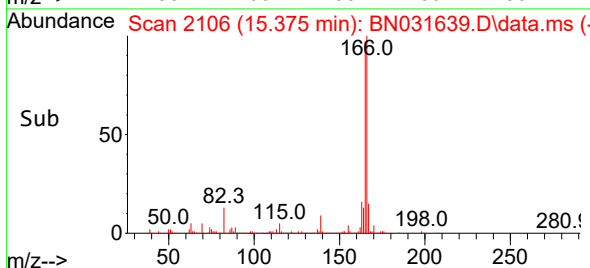
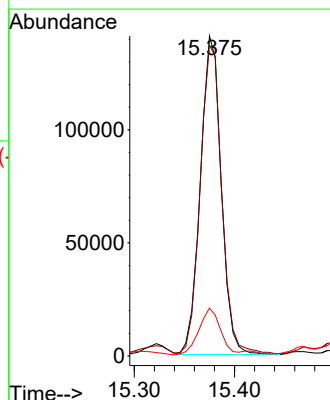
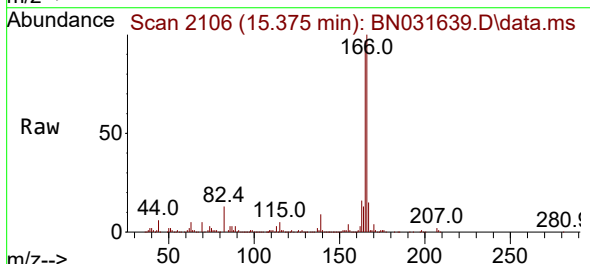
Instrument :
 BNA_N
 ClientSampleId :
 BH5X3

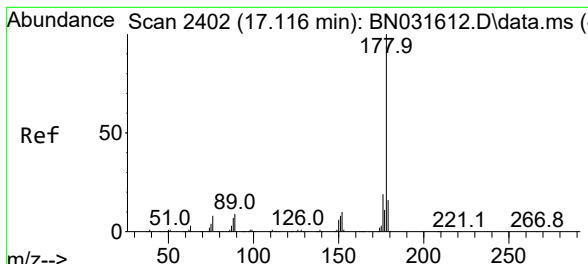
Tgt Ion:168 Resp: 176227
 Ion Ratio Lower Upper
 168 100
 139 35.4 29.2 43.8



#61
 Fluorene
 Concen: 3.195 ng/ul
 RT: 15.375 min Scan# 2106
 Delta R.T. -0.006 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Tgt Ion:166 Resp: 203795
 Ion Ratio Lower Upper
 166 100
 165 97.2 77.0 115.6
 167 15.0 10.9 16.3



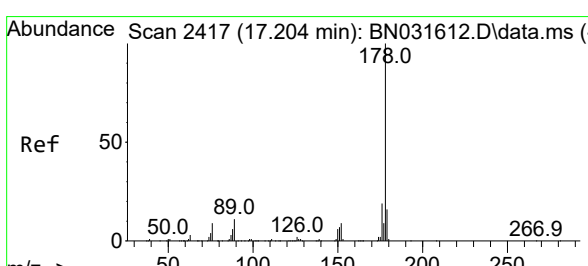
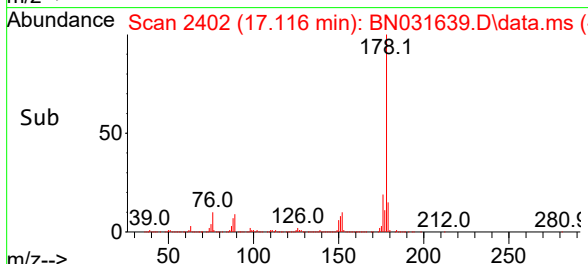
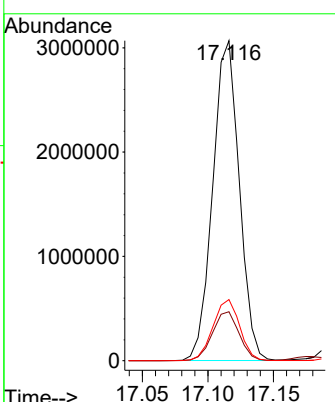
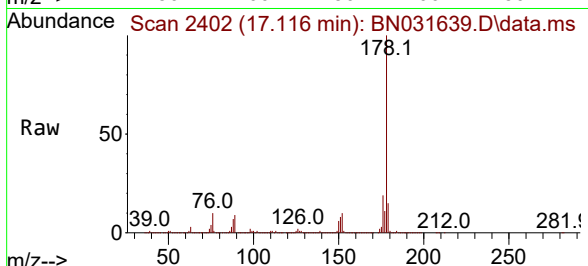


#72
 Phenanthrene
 Concen: 48.684 ng/ul
 RT: 17.116 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Instrument :
 BNA_N
 ClientSampleId :
 BH5X3

Tgt Ion:178 Resp: 4309542

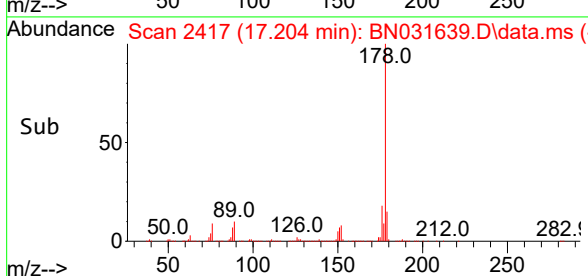
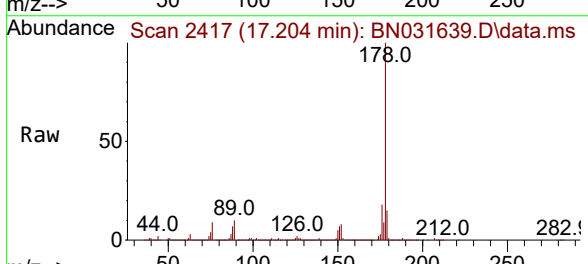
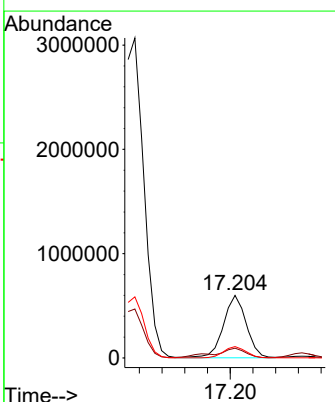
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	19.1	15.2	22.8

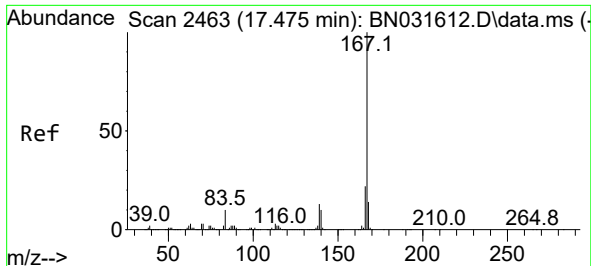


#74
 Anthracene
 Concen: 9.421 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Tgt Ion:178 Resp: 836744

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	18.2	15.4	23.2



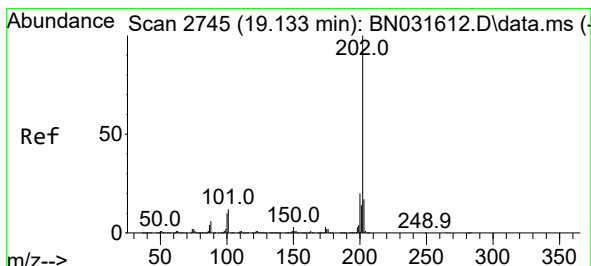
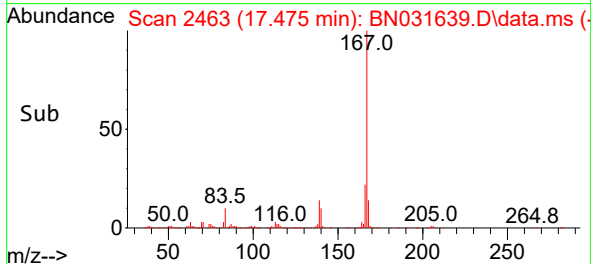
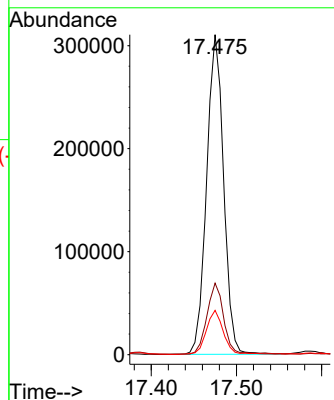
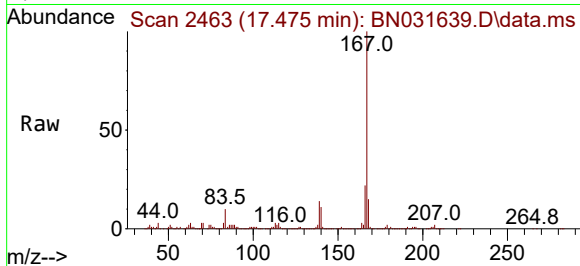


#77
 Carbazole
 Concen: 5.672 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Instrument :
 BNA_N
 ClientSampleId :
 BH5X3

Tgt Ion:167 Resp: 429869

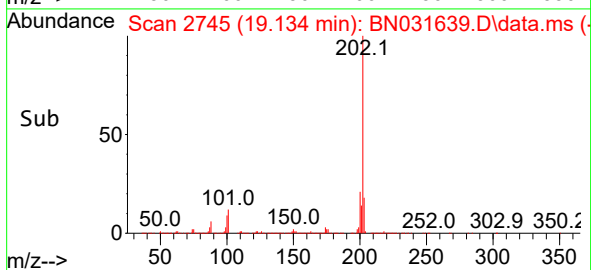
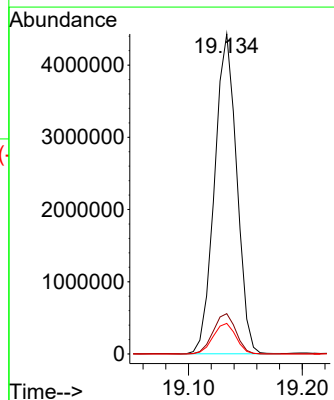
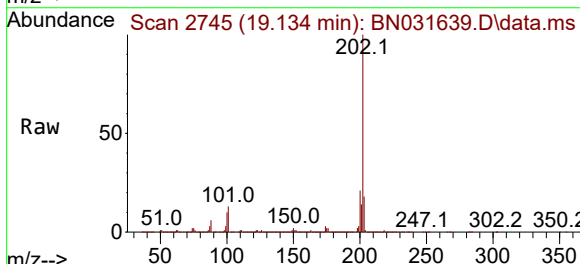
Ion	Ratio	Lower	Upper
167	100		
166	22.4	16.7	25.1
139	13.9	10.5	15.7

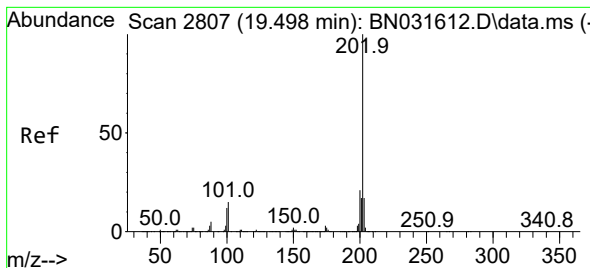


#80
 Fluoranthene
 Concen: 68.234 ng/ul
 RT: 19.134 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Tgt Ion:202 Resp: 6002815

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.1	15.1
100	9.6	8.0	12.0





#82

Pyrene

Concen: 54.943 ng/ul

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

Instrument :

BNA_N

ClientSampleId :

BH5X3

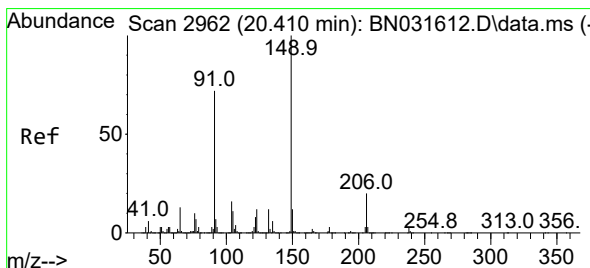
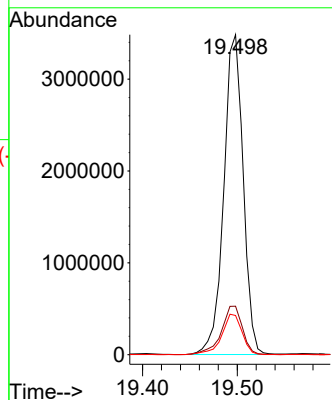
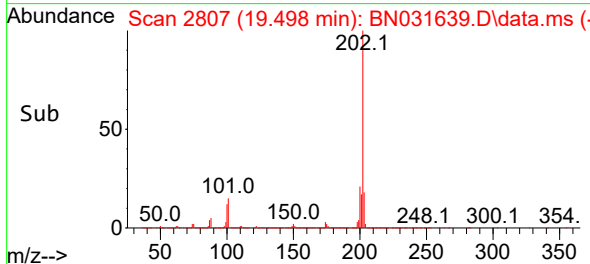
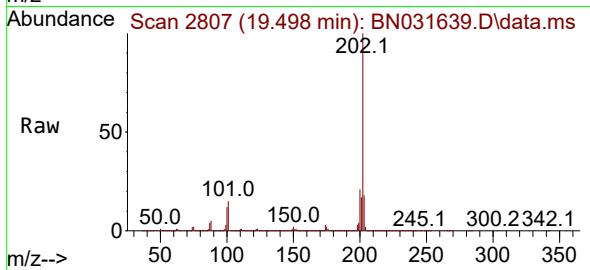
Tgt Ion:202 Resp: 4956964

Ion Ratio Lower Upper

202 100

101 15.2 11.4 17.2

100 12.3 9.3 13.9



#83

Butylbenzylphthalate

Concen: 2.468 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.006 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

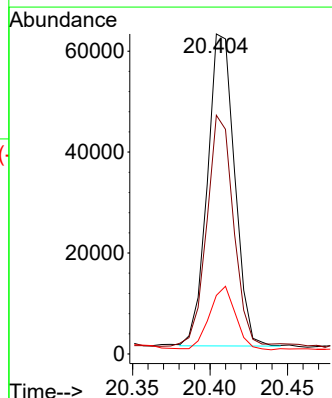
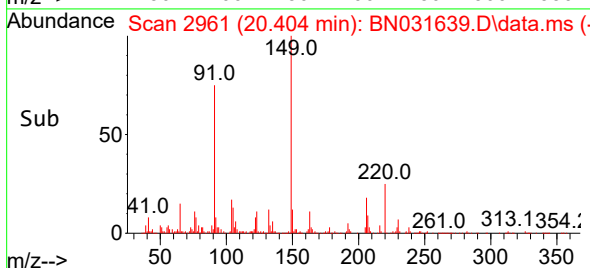
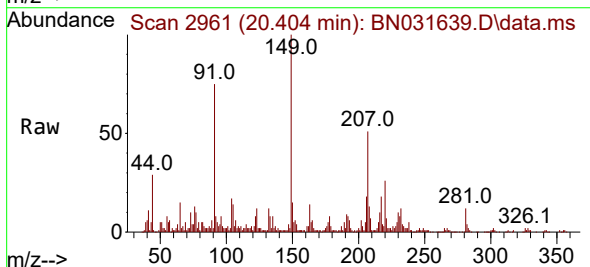
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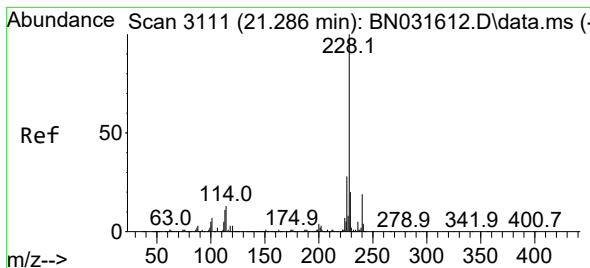
Ion Ratio Lower Upper

149 100

91 74.6 60.8 91.2

206 18.3 15.8 23.8





#85

Benzo(a)anthracene

Concen: 32.964 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

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BNA_N

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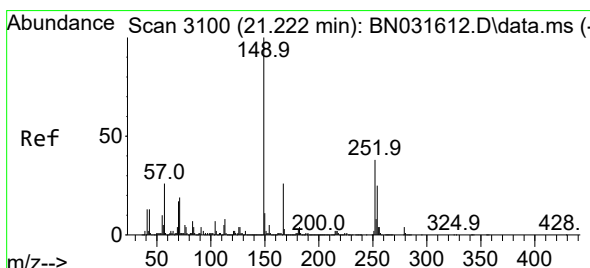
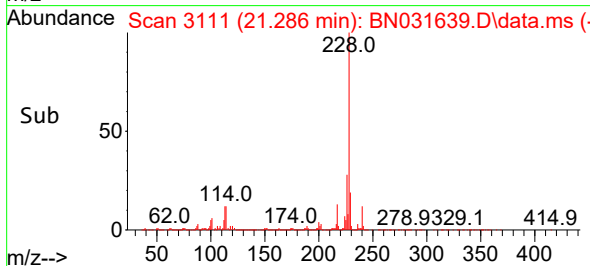
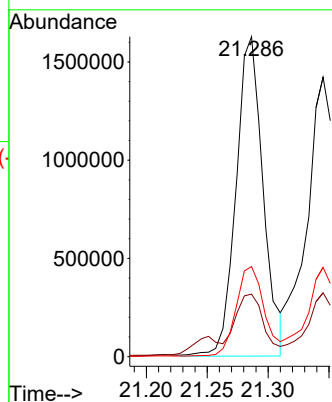
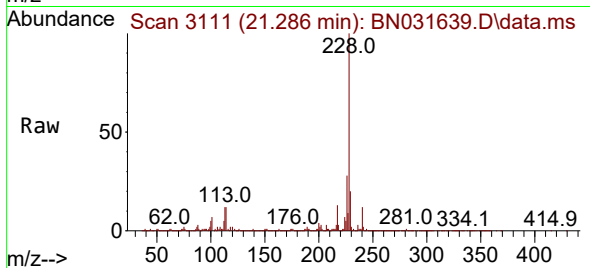
Tgt Ion:228 Resp: 2515213

Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

226 28.2 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.198 ng/ul

RT: 21.222 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

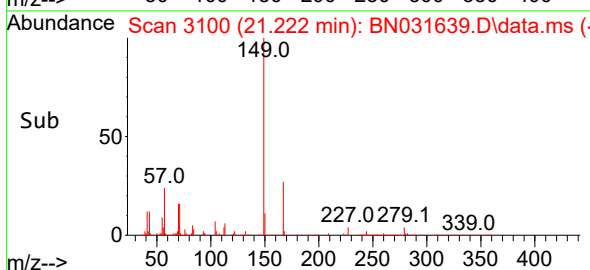
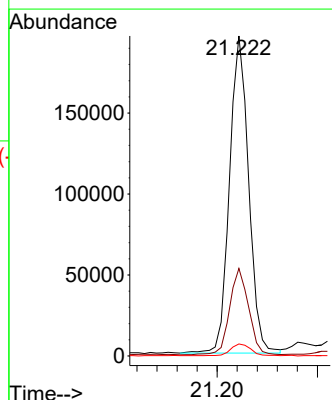
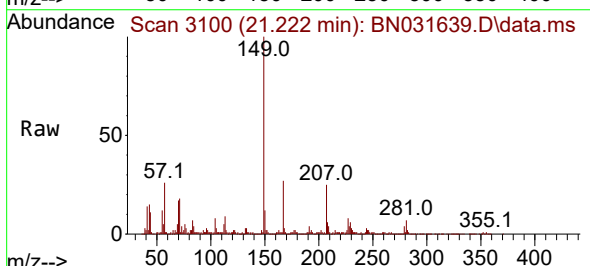
Tgt Ion:149 Resp: 259865

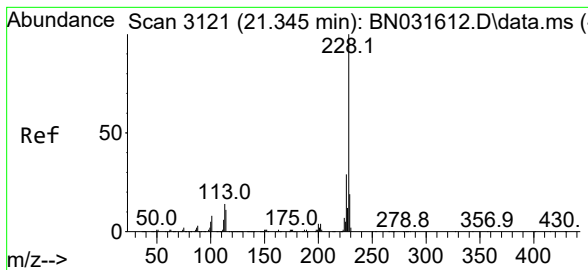
Ion Ratio Lower Upper

149 100

167 27.3 21.6 32.4

279 3.8 2.8 4.2





#87

Chrysene

Concen: 35.683 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.059 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

Instrument :

BNA_N

ClientSampleId :

BH5X3

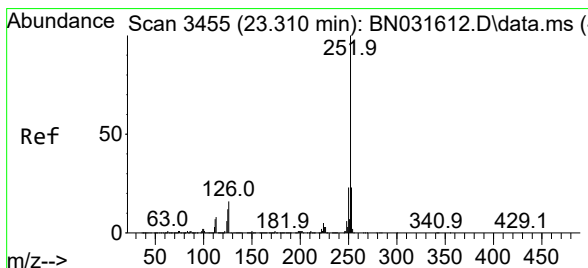
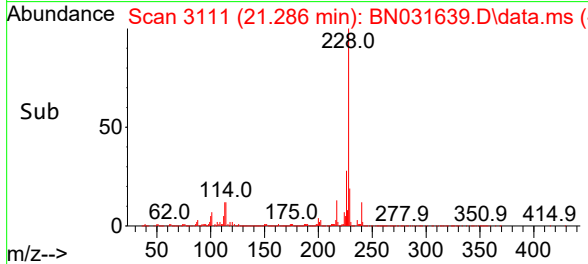
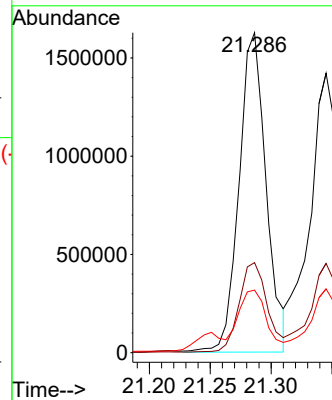
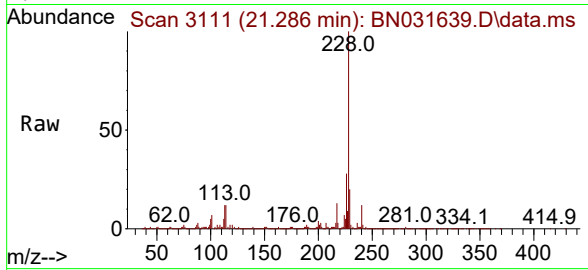
Tgt Ion:228 Resp: 2515010

Ion Ratio Lower Upper

228 100

226 28.2 22.9 34.3

229 19.6 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 41.617 ng/ul

RT: 23.316 min Scan# 3456

Delta R.T. 0.006 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

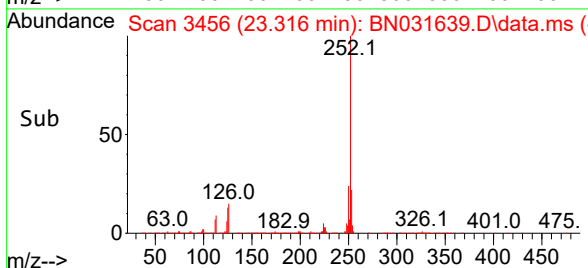
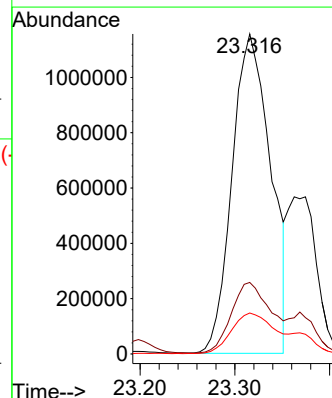
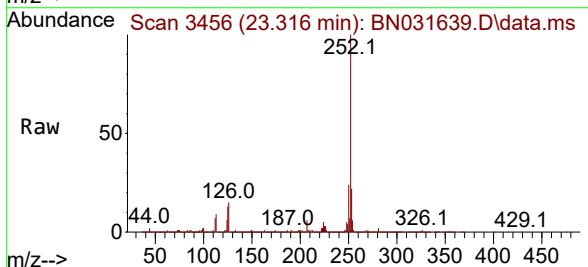
Tgt Ion:252 Resp: 3271398

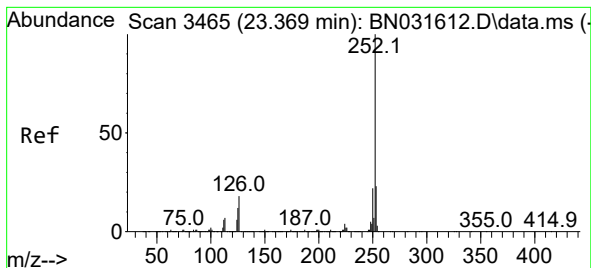
Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

125 12.8 9.3 13.9





#91

Benzo(k)fluoranthene

Concen: 14.678 ng/ul

RT: 23.363 min Scan# 3464

Delta R.T. -0.006 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

Instrument :

BNA_N

ClientSampleId :

BH5X3

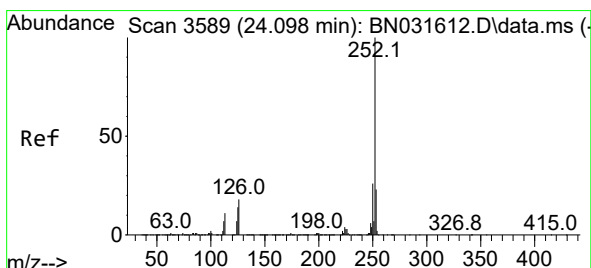
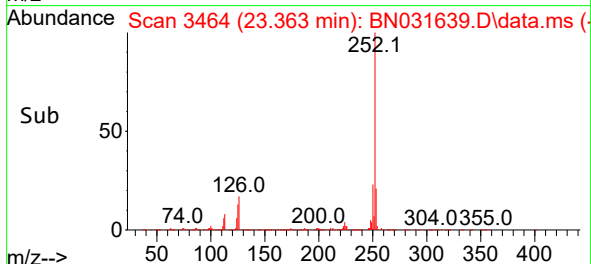
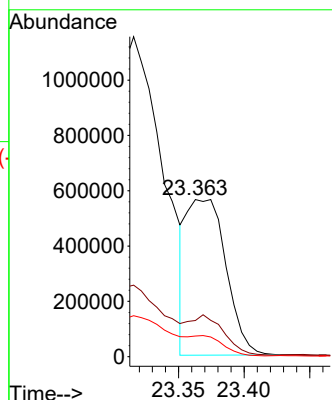
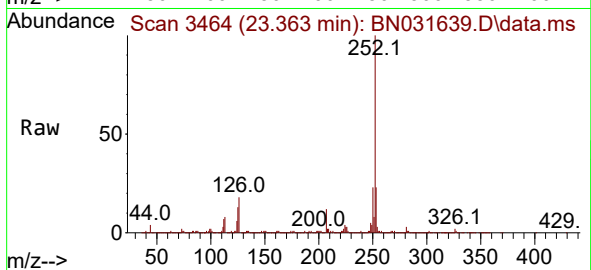
Tgt Ion:252 Resp: 1176154

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 13.1 9.3 13.9



#93

Benzo(a)pyrene

Concen: 31.707 ng/ul

RT: 24.098 min Scan# 3589

Delta R.T. -0.006 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

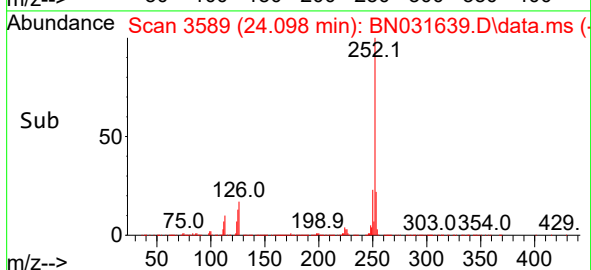
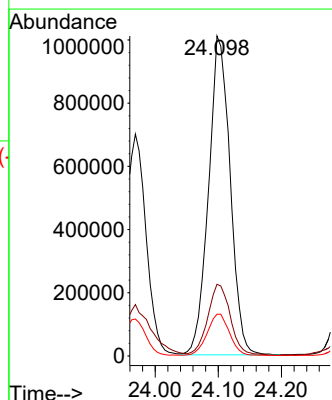
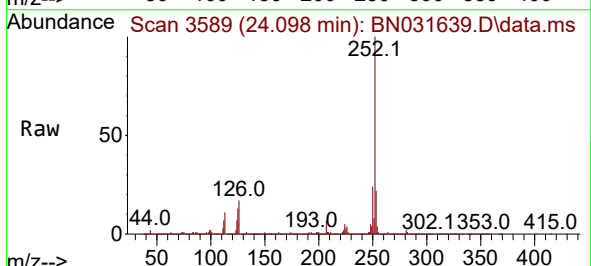
Tgt Ion:252 Resp: 2394147

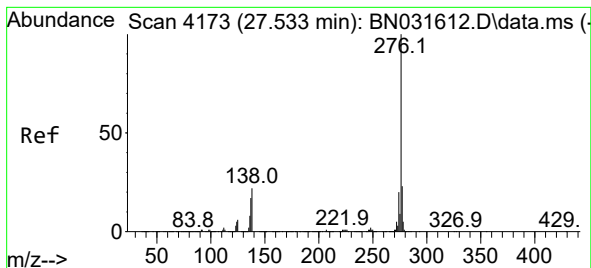
Ion Ratio Lower Upper

252 100

253 22.4 16.6 24.8

125 13.1 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 18.819 ng/ul

RT: 27.533 min Scan# 4173

Delta R.T. 0.000 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

Instrument :

BNA_N

ClientSampleId :

BH5X3

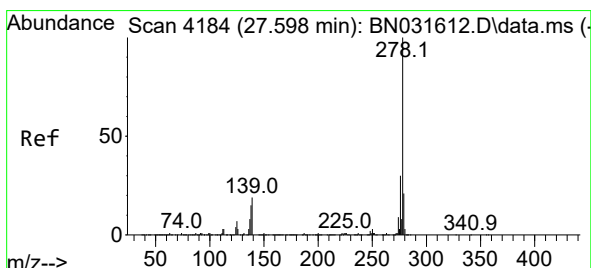
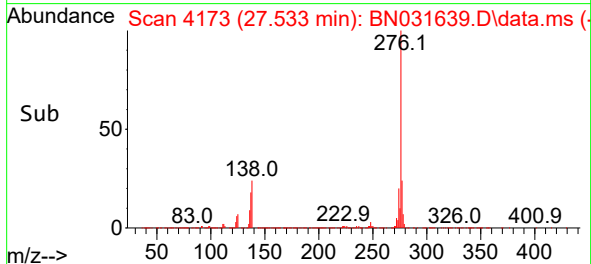
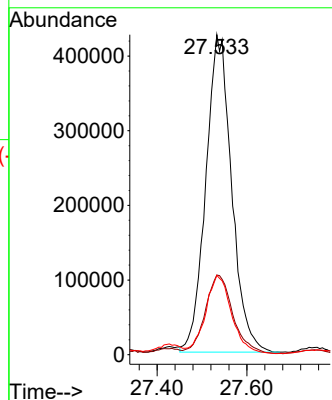
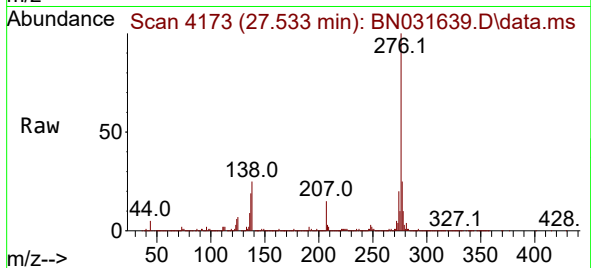
Tgt Ion:276 Resp: 1705488

Ion Ratio Lower Upper

276 100

138 24.9 19.8 29.6

277 24.8 18.2 27.4



#95

Dibenzo(a,h)anthracene

Concen: 3.389 ng/ul

RT: 27.574 min Scan# 4180

Delta R.T. -0.017 min

Lab File: BN031639.D

Acq: 23 May 2024 19:33

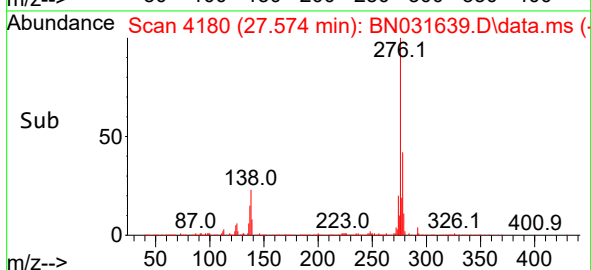
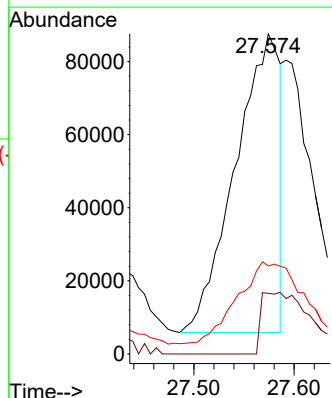
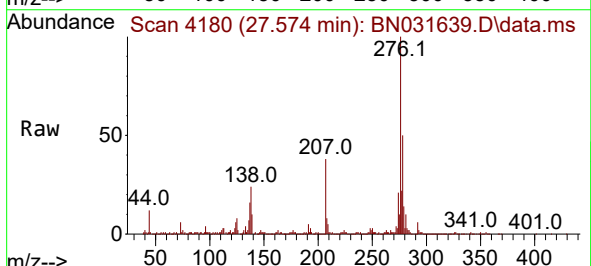
Tgt Ion:278 Resp: 252943

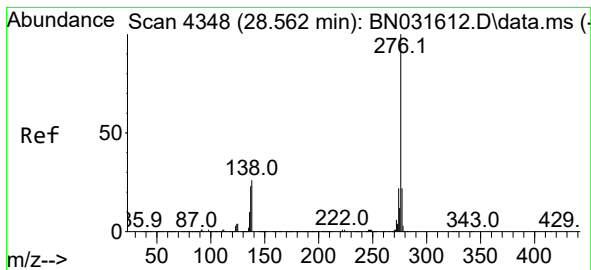
Ion Ratio Lower Upper

278 100

139 18.9 15.2 22.8

279 27.5 18.4 27.6





#96
 Benzo(g,h,i)perylene
 Concen: 13.037 ng/ul
 RT: 28.562 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BN031639.D
 Acq: 23 May 2024 19:33

Instrument :
 BNA_N
 ClientSampleId :
 BH5X3

Tgt Ion:276 Resp: 976143
 Ion Ratio Lower Upper
 276 100
 138 24.9 19.5 29.3
 277 23.9 17.6 26.4

