

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031788.D
 Acq On : 04 Jun 2024 22:49
 Operator : MA/JU
 Sample : P2591-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ4

Quant Time: Jun 05 00:39:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	536717	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2288921	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1347072	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	2237672	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1307711	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1646695	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	54421	4.195	ng/uL	0.00
4) Pyridine-d5	3.599	84	477693	13.080	ng/u1	0.00
7) Phenol-d5	6.852	99	1280136	27.822	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	692396	25.727	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	1012156	28.830	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	992594	26.465	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	508968	29.082	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	552875	30.582	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	967560	28.668	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	969959	19.356	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2685046	28.611	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	3105477	28.779	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	403545	21.477	ng/u1	0.00
60) Fluorene-d10	15.316	176	2206316	27.786	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	135986	12.090	ng/u1	0.01
73) Anthracene-d10	17.169	188	2881531	30.079	ng/u1	0.00
81) Pyrene-d10	19.469	212	2351941	33.609	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1795457	22.834	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	1021625	8.624	ng/u1	98
36) 2-Methylnaphthalene	12.128	142	321412	3.969	ng/u1	97
37) 1-Methylnaphthalene	12.352	142	250875	3.088	ng/u1	98
43) 1,1'-Biphenyl	13.151	154	105436	1.113	ng/u1	99
50) Acenaphthylene	14.046	152	178171	1.461	ng/u1	97
52) Acenaphthene	14.387	153	538803	6.677	ng/u1	96
56) Dibenzofuran	14.722	168	983546	8.972	ng/u1	99
61) Fluorene	15.375	166	631016	7.148	ng/u1	94
72) Phenanthrene	17.116	178	11815445	103.653	ng/u1	100
74) Anthracene	17.204	178	2836624	24.559	ng/u1	99
77) Carbazole	17.475	167	1786343	18.138	ng/u1	100
80) Fluoranthene	19.139	202	13157255	157.325	ng/u1	99
82) Pyrene	19.504	202	10353259	120.660	ng/u1	97
85) Benzo(a)anthracene	21.292	228	6585564	75.237	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.216	149	94910	1.607	ng/u1#	98
87) Chrysene	21.351	228	5989280	73.255	ng/u1	97
90) Benzo(b)fluoranthene	23.333	252	8123765	82.536	ng/u1	98
91) Benzo(k)fluoranthene	23.333	252	8123765	84.112	ng/u1	99
93) Benzo(a)pyrene	24.116	252	3659868	39.701	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	27.574	276	3106127	29.240	ng/u1	98
95) Dibenzo(a,h)anthracene	27.615	278	1056860	12.186	ng/u1#	94
96) Benzo(g,h,i)perylene	28.604	276	405136	4.798	ng/u1	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
Data File : BN031788.D
Acq On : 04 Jun 2024 22:49
Operator : MA/JU
Sample : P2591-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHBQ4

Quant Time: Jun 05 00:39:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

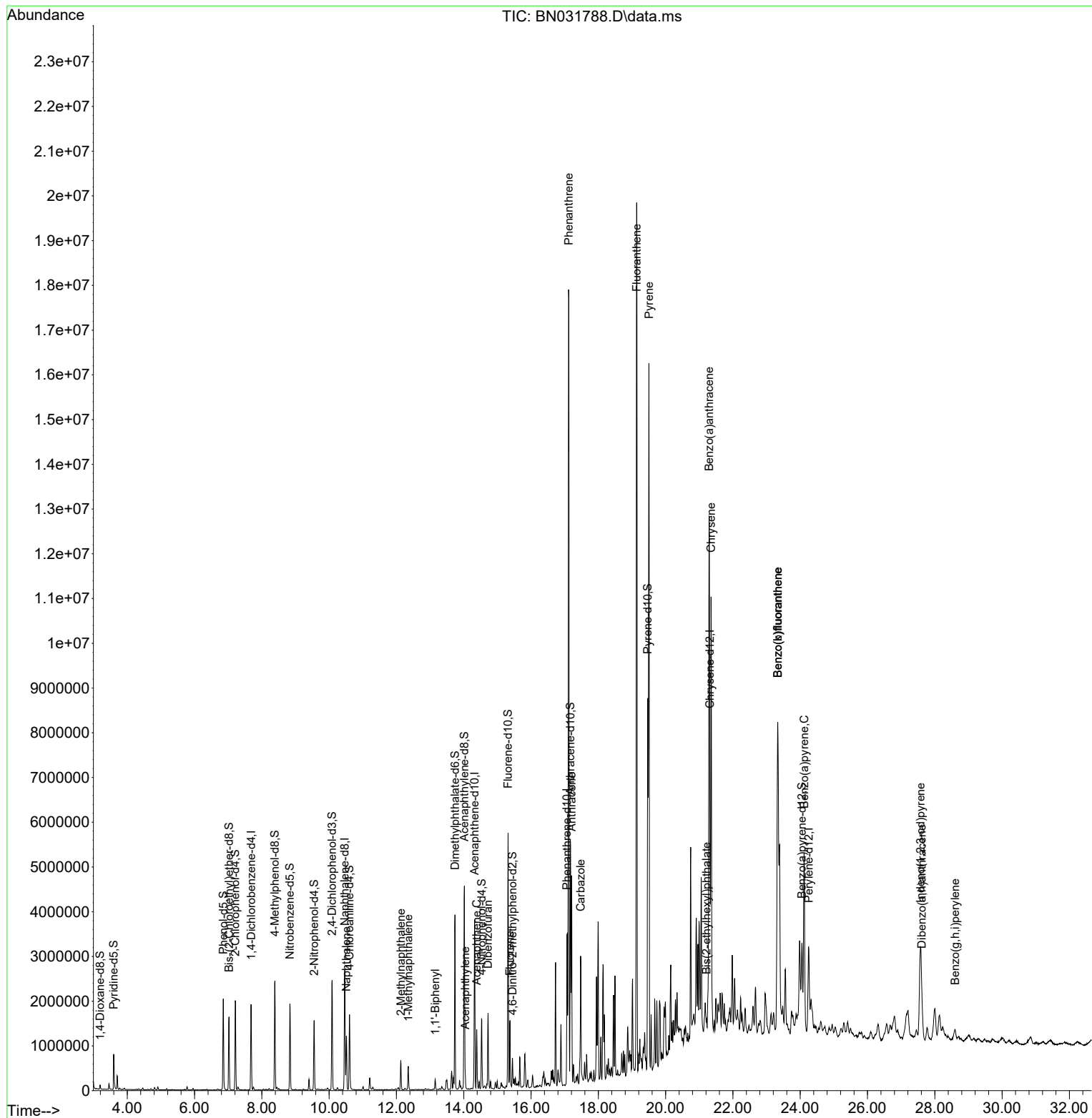
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

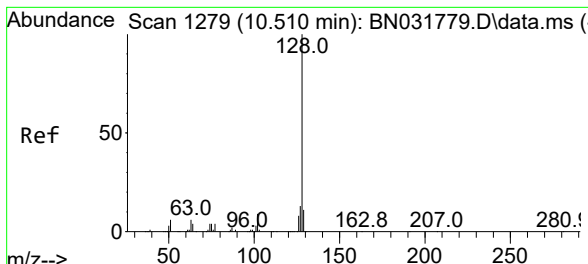
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
Data File : BN031788.D
Acq On : 04 Jun 2024 22:49
Operator : MA/JU
Sample : P2591-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHBQ4

Quant Time: Jun 05 00:39:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration



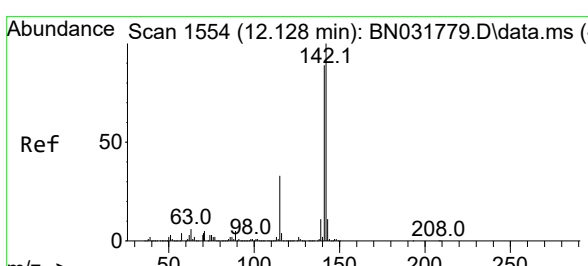
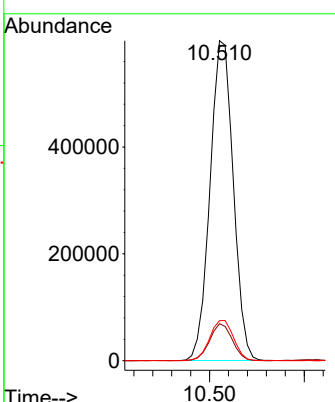
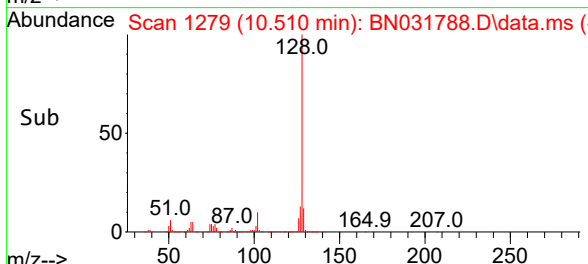
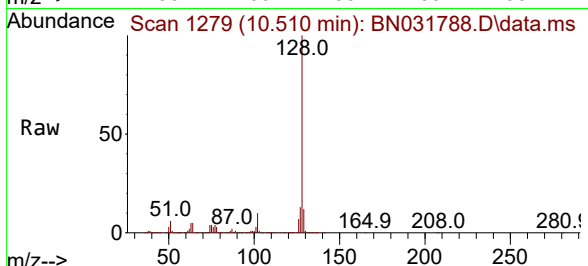


#30
Naphthalene
Concen: 8.624 ng/ul
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

Instrument :
BNA_N
ClientSampleId :
BHBQ4

Tgt Ion:128 Resp: 1021625

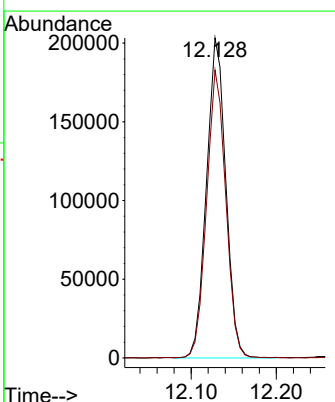
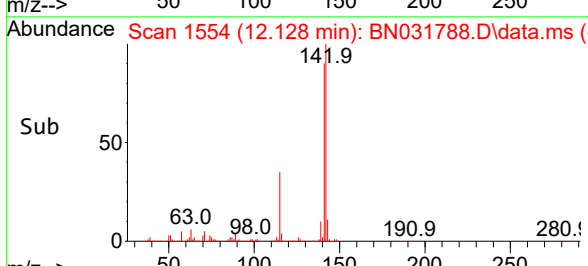
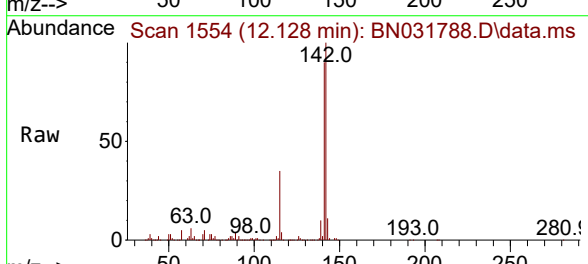
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.5	12.7
127	12.5	10.3	15.5

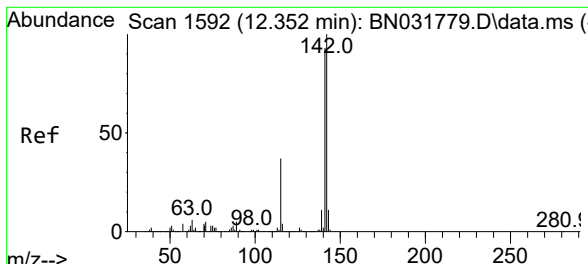


#36
2-Methylnaphthalene
Concen: 3.969 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

Tgt Ion:142 Resp: 321412

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.1	105.1

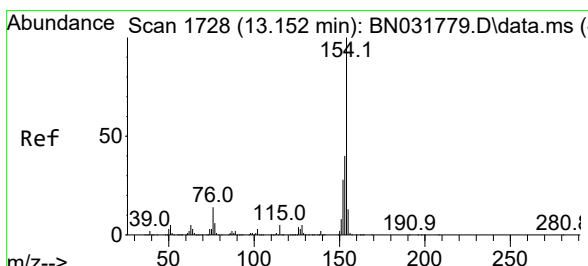
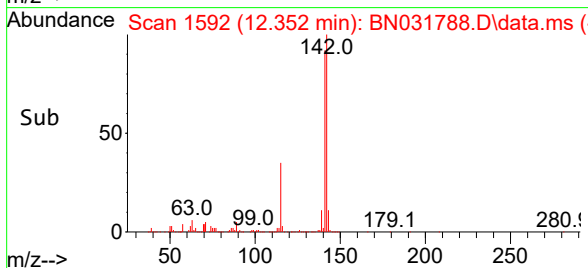
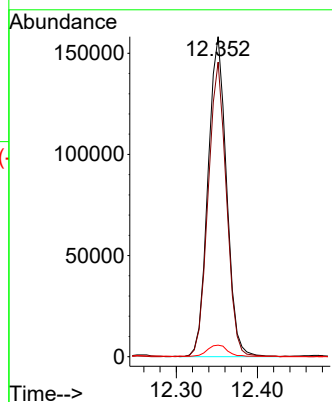
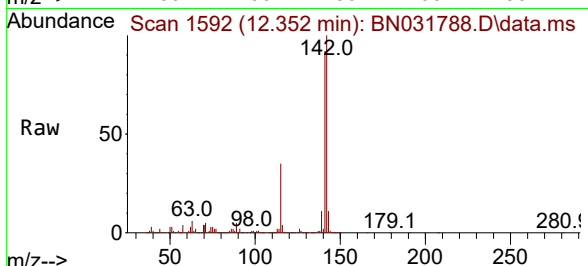




#37
 1-Methylnaphthalene
 Concen: 3.088 ng/ul
 RT: 12.352 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BN031788.D
 Acq: 04 Jun 2024 22:49

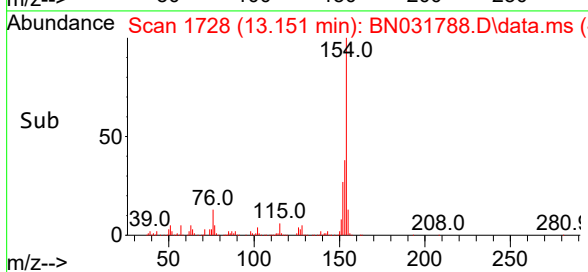
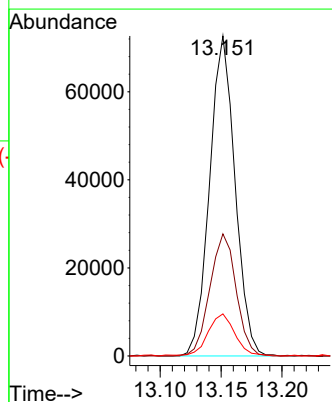
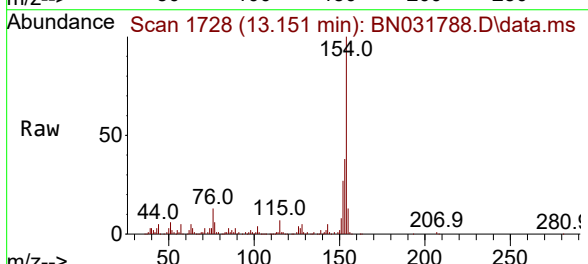
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ4

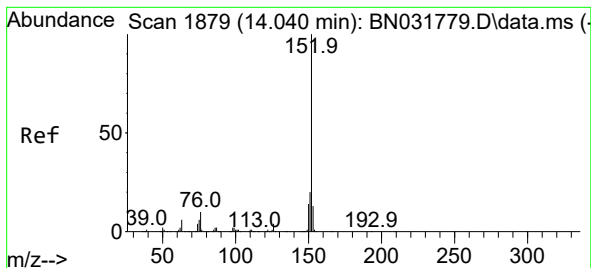
Tgt Ion:	142	Resp:	250875
Ion Ratio	Lower	Upper	
142	100		
141	92.0	71.7	107.5
116	3.6	3.0	4.4



#43
 1,1'-Biphenyl
 Concen: 1.113 ng/ul
 RT: 13.151 min Scan# 1728
 Delta R.T. -0.006 min
 Lab File: BN031788.D
 Acq: 04 Jun 2024 22:49

Tgt Ion:	154	Resp:	105436
Ion Ratio	Lower	Upper	
154	100		
153	38.2	30.6	46.0
76	13.1	11.1	16.7





#50

Acenaphthylene

Concen: 1.461 ng/ul

RT: 14.046 min Scan# 1879

Delta R.T. 0.000 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

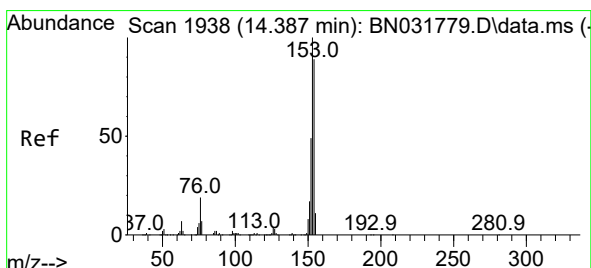
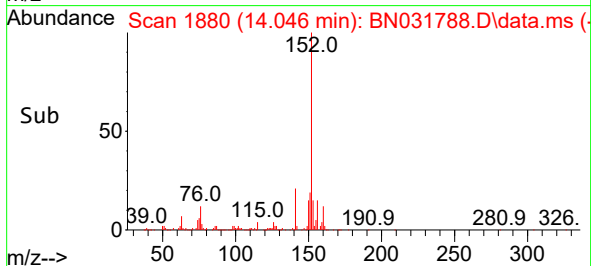
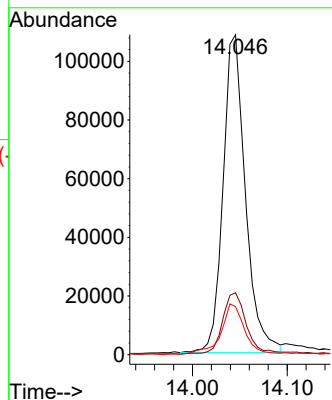
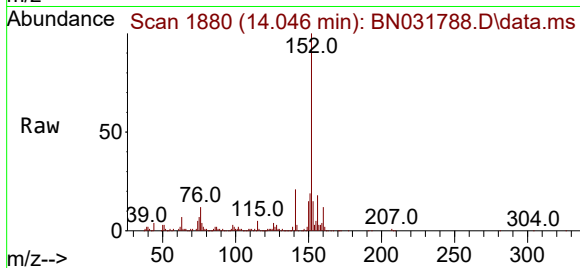
Tgt Ion:152 Resp: 178171

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 15.0 10.4 15.6



#52

Acenaphthene

Concen: 6.677 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

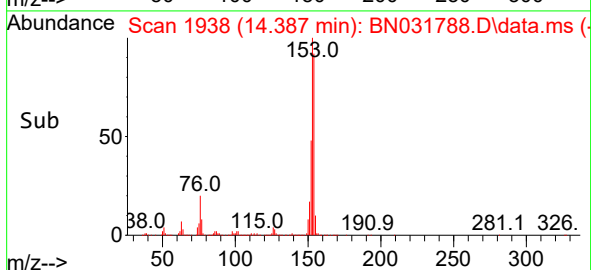
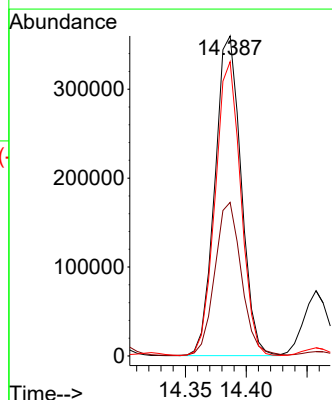
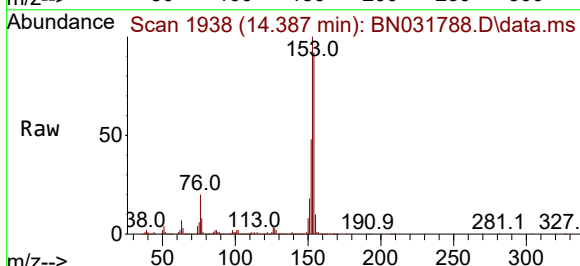
Tgt Ion:153 Resp: 538803

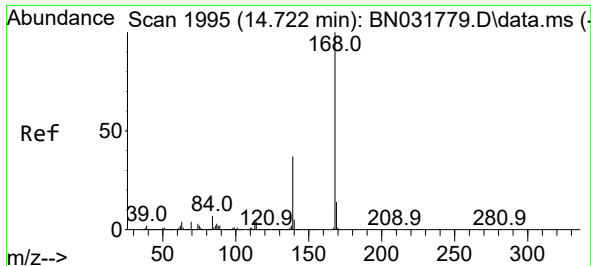
Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.6

154 92.0 69.8 104.8

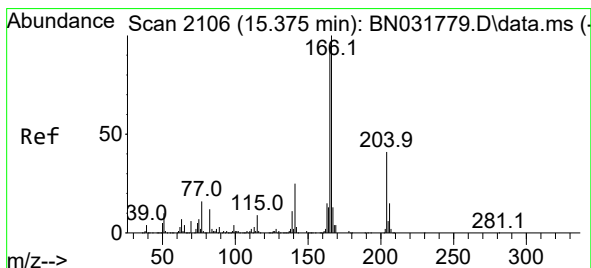
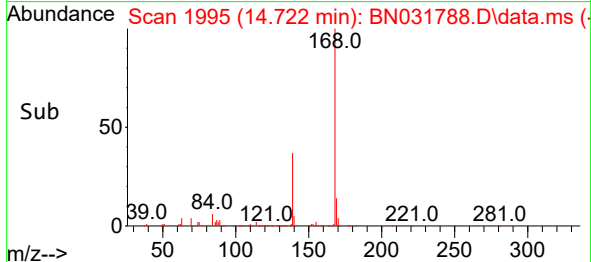
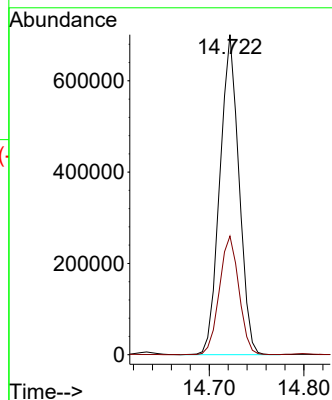
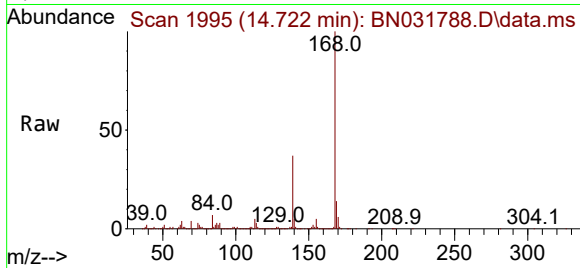




#56
Dibenzenofuran
Concen: 8.972 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

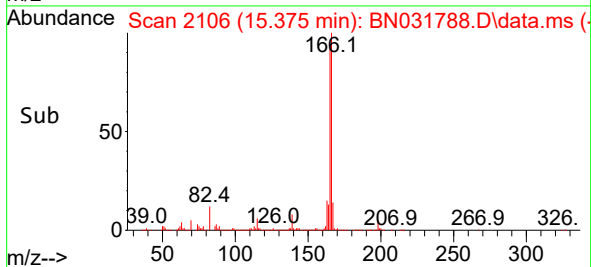
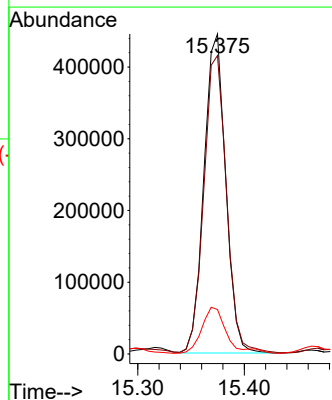
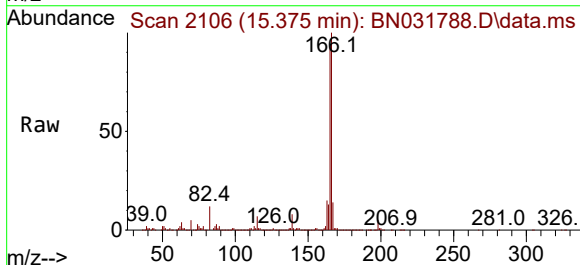
Instrument :
BNA_N
ClientSampleId :
BHBQ4

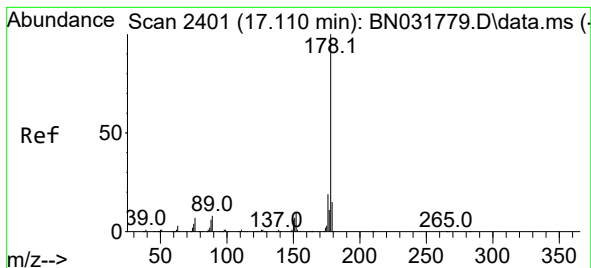
Tgt Ion:168 Resp: 983546
Ion Ratio Lower Upper
168 100
139 37.1 29.4 44.0



#61
Fluorene
Concen: 7.148 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

Tgt Ion:166 Resp: 631016
Ion Ratio Lower Upper
166 100
165 93.2 80.3 120.5
167 13.9 11.3 16.9





#72

Phenanthrene

Concen: 103.653 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

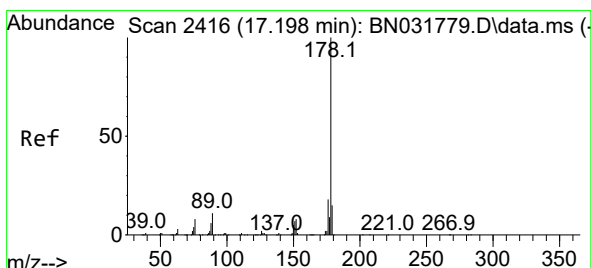
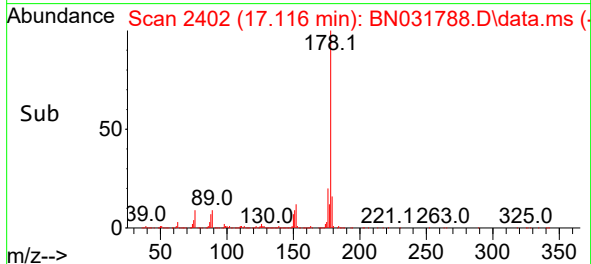
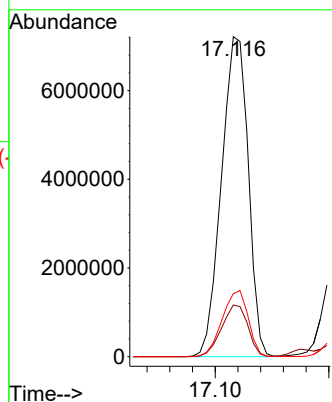
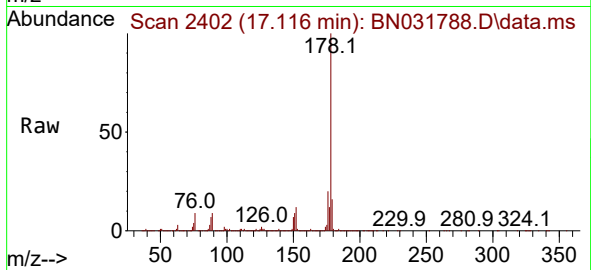
Tgt Ion:178 Resp:11815445

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

176 19.7 15.8 23.6



#74

Anthracene

Concen: 24.559 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

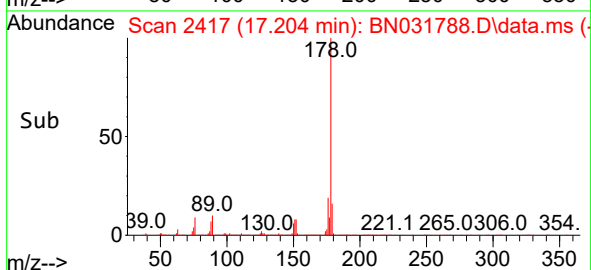
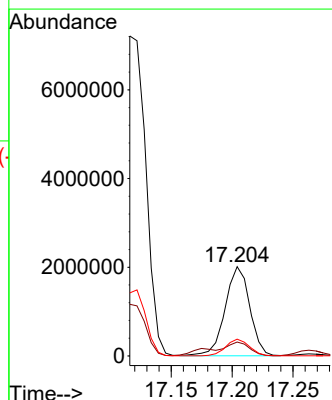
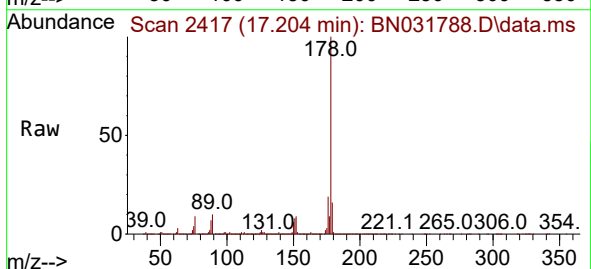
Tgt Ion:178 Resp: 2836624

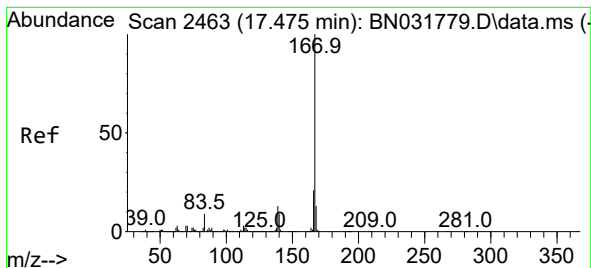
Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.6

176 18.8 14.8 22.2





#77

Carbazole

Concen: 18.138 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

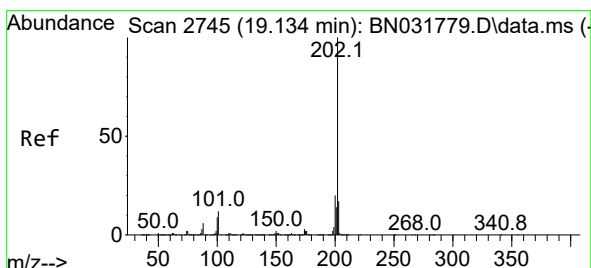
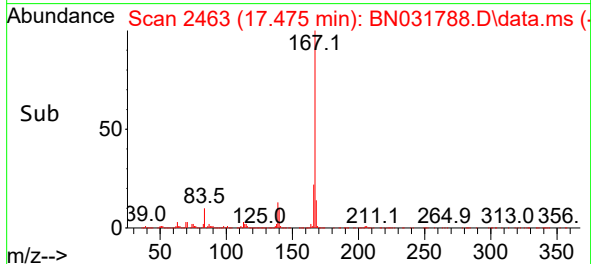
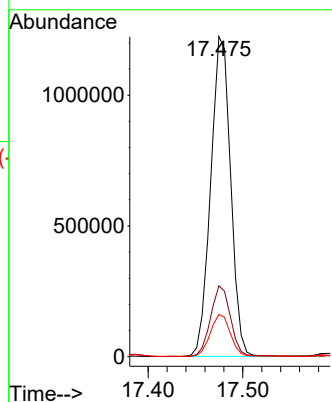
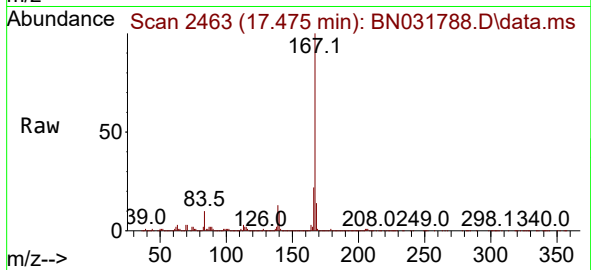
Tgt Ion:167 Resp: 1786343

Ion Ratio Lower Upper

167 100

166 22.1 17.9 26.9

139 13.2 10.5 15.7



#80

Fluoranthene

Concen: 157.325 ng/ul

RT: 19.139 min Scan# 2746

Delta R.T. 0.006 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

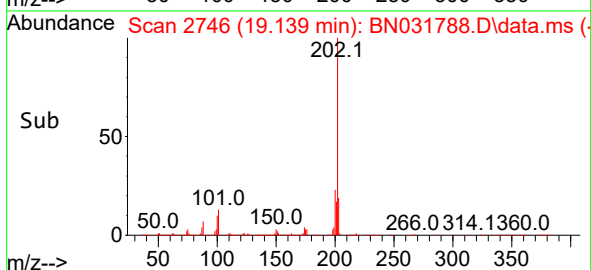
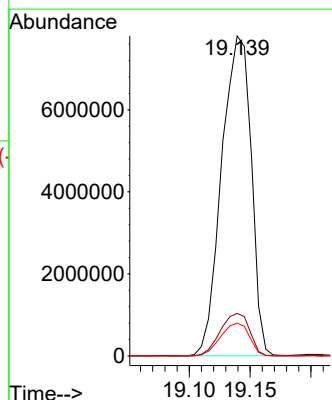
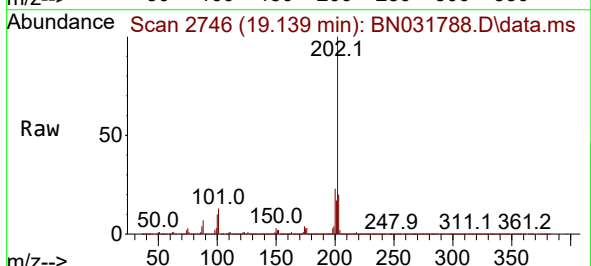
Tgt Ion:202 Resp:13157255

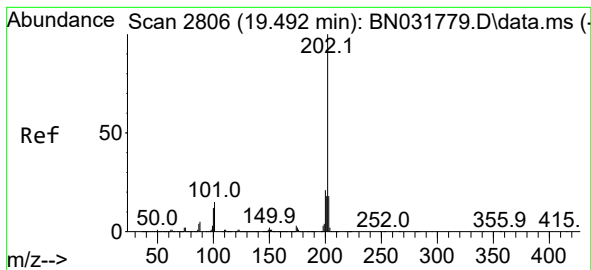
Ion Ratio Lower Upper

202 100

101 13.3 10.3 15.5

100 10.2 8.0 12.0





#82

Pyrene

Concen: 120.660 ng/ul

RT: 19.504 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

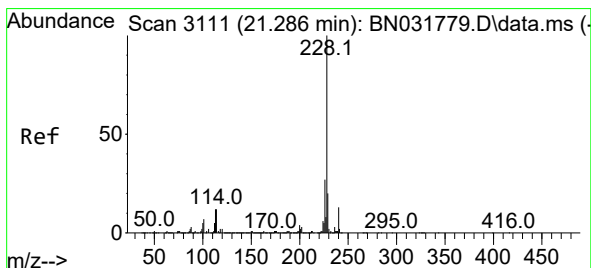
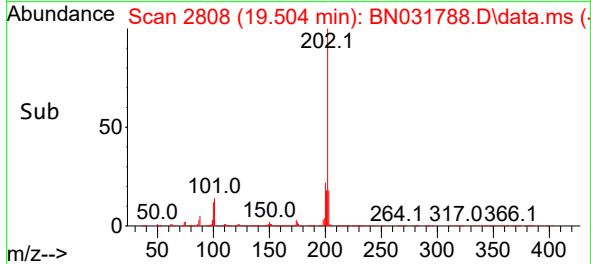
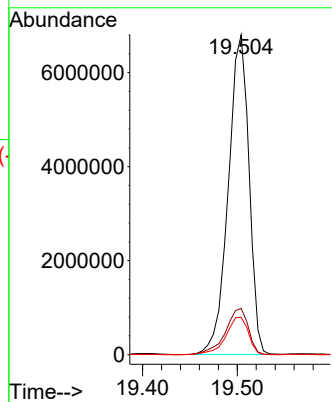
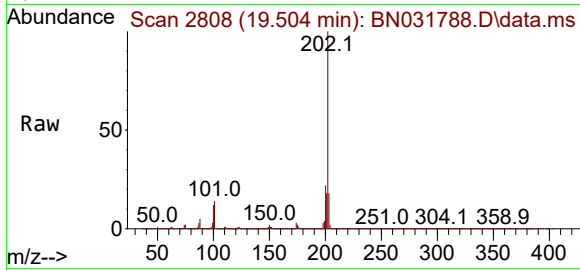
Tgt Ion:202 Resp:10353259

Ion Ratio Lower Upper

202 100

101 14.5 12.6 18.8

100 11.7 10.2 15.2



#85

Benzo(a)anthracene

Concen: 75.237 ng/ul

RT: 21.292 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

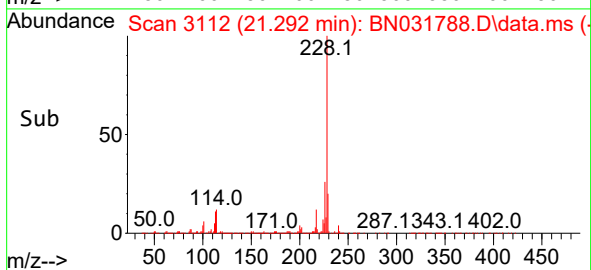
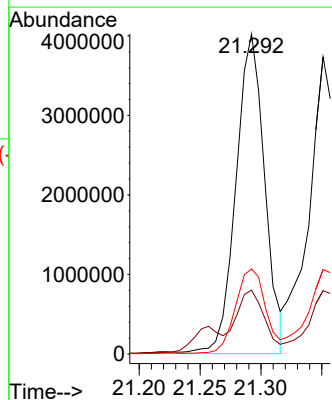
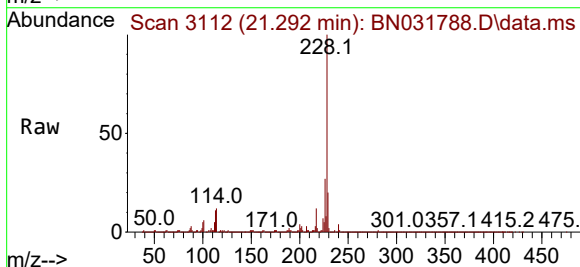
Tgt Ion:228 Resp: 6585564

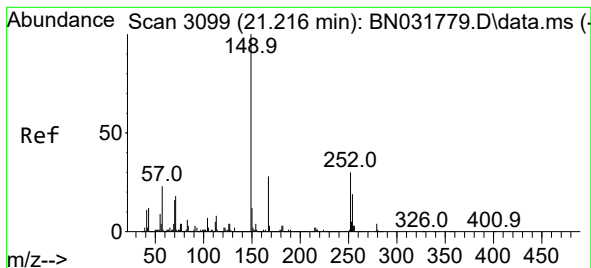
Ion Ratio Lower Upper

228 100

229 19.9 16.7 25.1

226 26.6 22.8 34.2

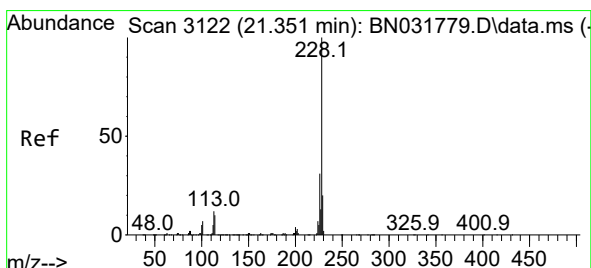
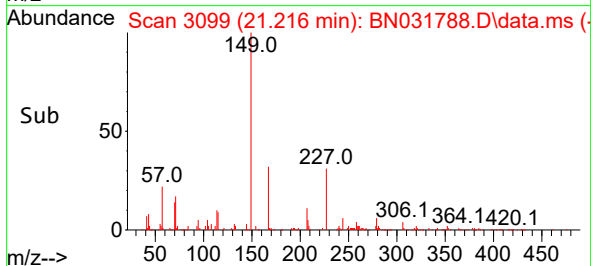
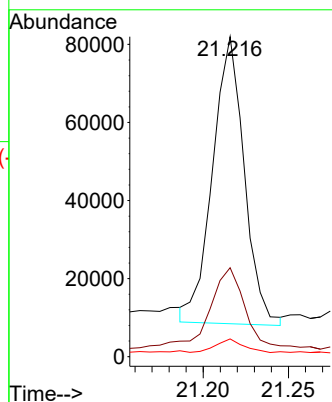
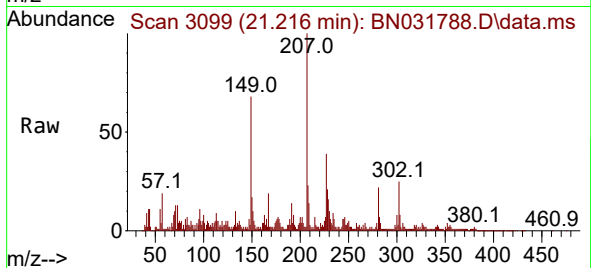




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.607 ng/ul
 RT: 21.216 min Scan# 3099
 Delta R.T. -0.006 min
 Lab File: BN031788.D
 Acq: 04 Jun 2024 22:49

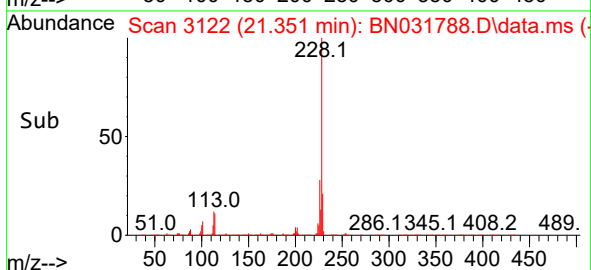
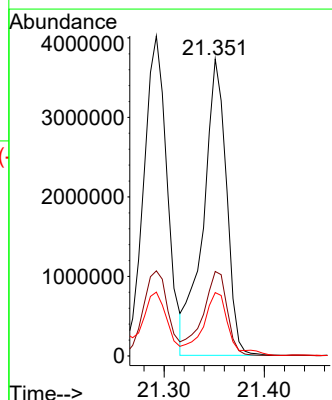
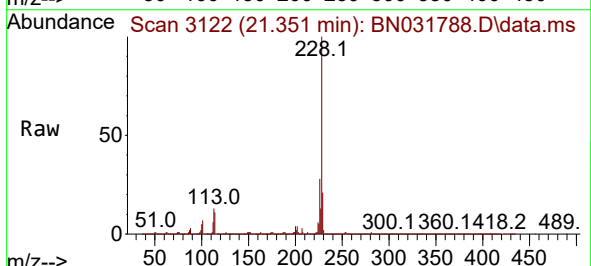
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ4

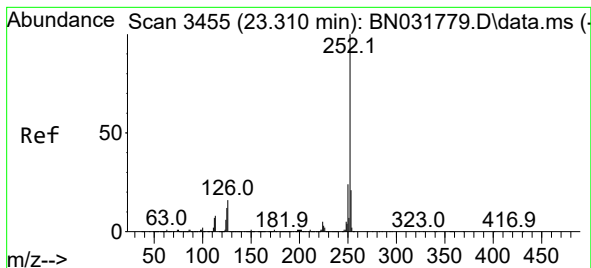
Tgt Ion:149 Resp: 94910
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.4 32.0
 279 5.6 3.3 4.9#



#87
 Chrysene
 Concen: 73.255 ng/ul
 RT: 21.351 min Scan# 3122
 Delta R.T. 0.000 min
 Lab File: BN031788.D
 Acq: 04 Jun 2024 22:49

Tgt Ion:228 Resp: 5989280
 Ion Ratio Lower Upper
 228 100
 226 28.4 23.7 35.5
 229 21.4 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 82.536 ng/ul

RT: 23.333 min Scan# 3459

Delta R.T. 0.024 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

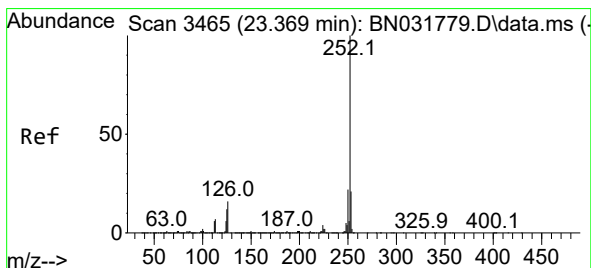
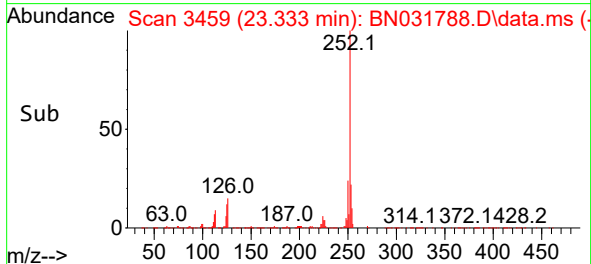
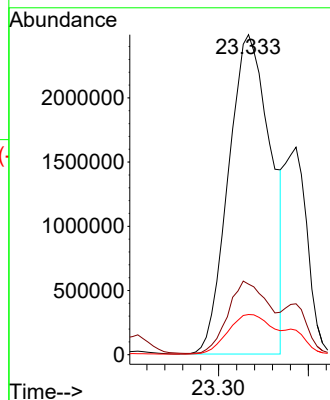
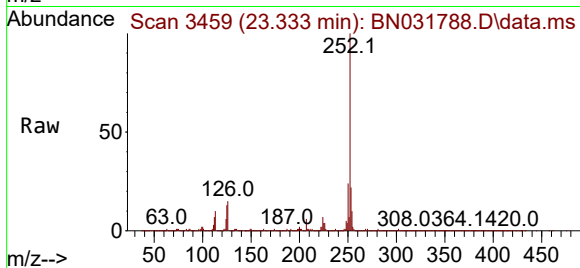
Tgt Ion:252 Resp: 8123765

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 12.6 9.2 13.8



#91

Benzo(k)fluoranthene

Concen: 84.112 ng/ul

RT: 23.333 min Scan# 3459

Delta R.T. -0.041 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

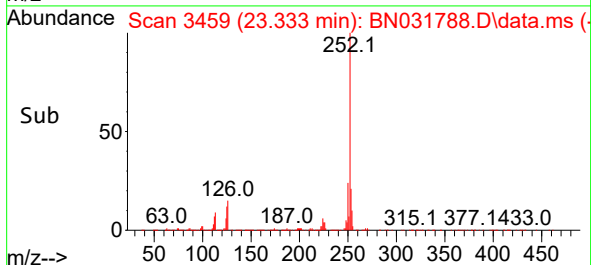
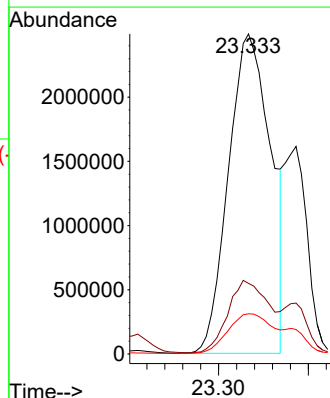
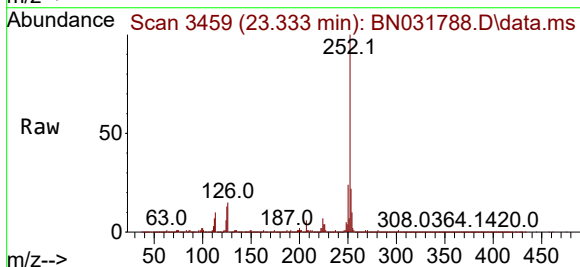
Tgt Ion:252 Resp: 8123765

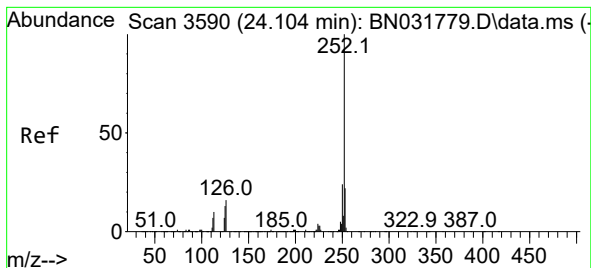
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 12.6 9.4 14.2





#93

Benzo(a)pyrene

Concen: 39.701 ng/ul

RT: 24.116 min Scan# 3

Delta R.T. 0.012 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

Instrument :

BNA_N

ClientSampleId :

BHBQ4

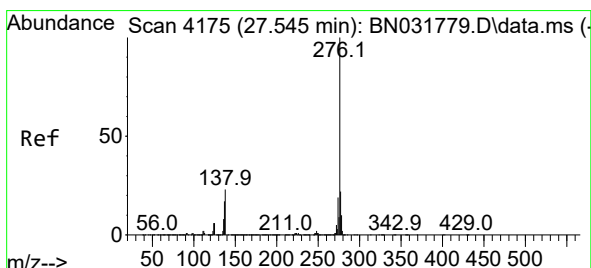
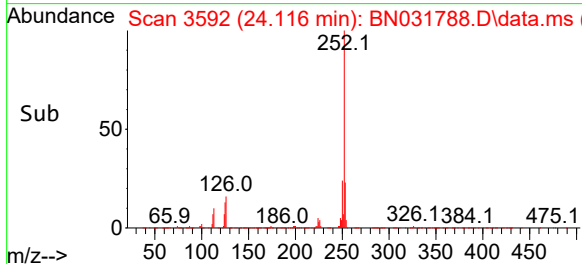
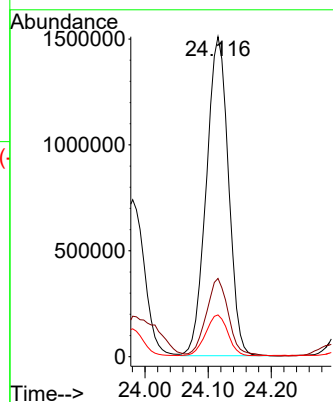
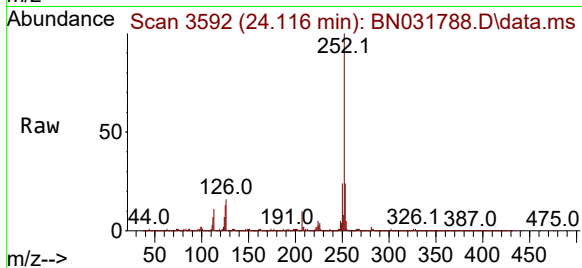
Tgt Ion:252 Resp: 3659868

Ion Ratio Lower Upper

252 100

253 24.4 16.6 24.8

125 13.0 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 29.240 ng/ul

RT: 27.574 min Scan# 4180

Delta R.T. 0.041 min

Lab File: BN031788.D

Acq: 04 Jun 2024 22:49

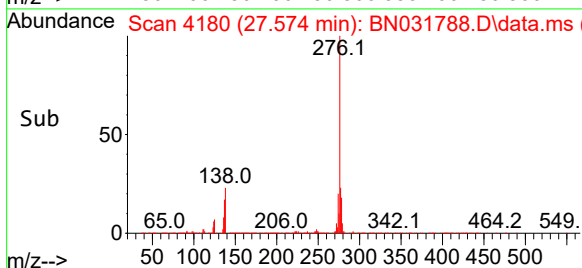
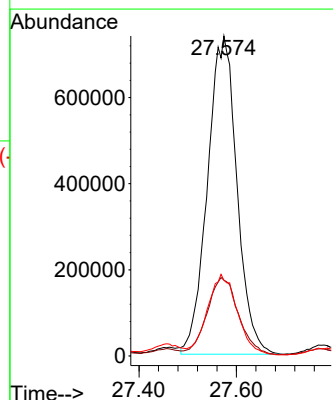
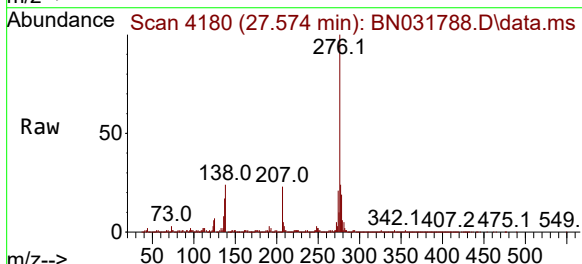
Tgt Ion:276 Resp: 3106127

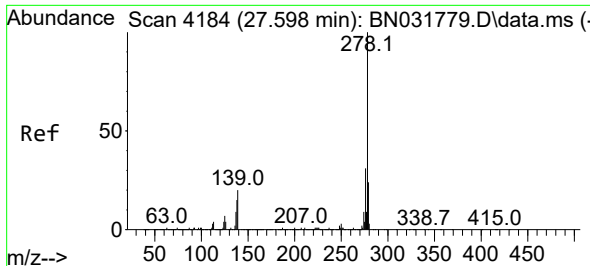
Ion Ratio Lower Upper

276 100

138 23.7 18.1 27.1

277 23.7 18.2 27.2



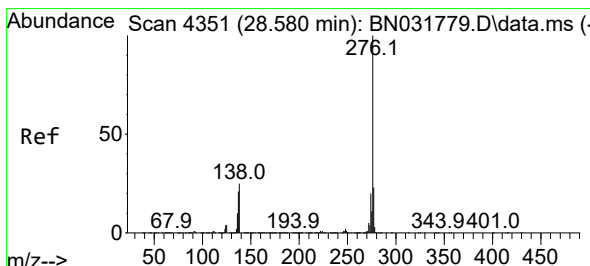
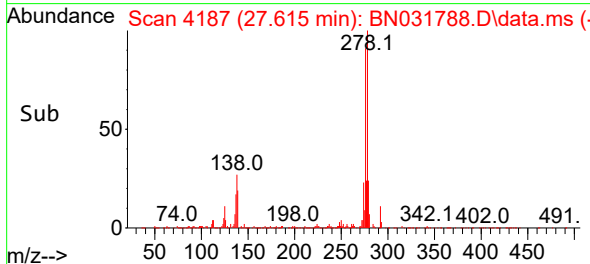
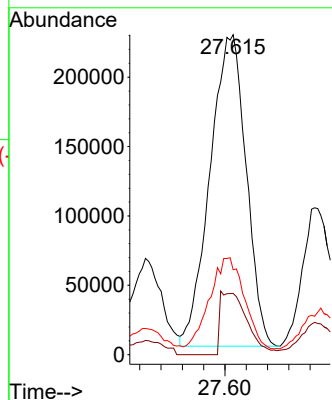
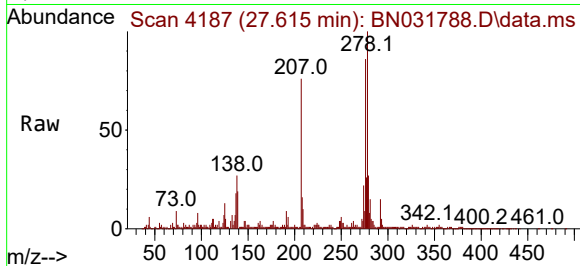


#95
Dibenzo(a,h)anthracene
Concen: 12.186 ng/ul
RT: 27.615 min Scan# 4187
Delta R.T. 0.012 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

Instrument :
BNA_N
ClientSampleId :
BHBQ4

Tgt Ion:278 Resp: 1056860

Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.0	22.6
279	26.6	17.4	26.0



#96
Benzo(g,h,i)perylene
Concen: 4.798 ng/ul
RT: 28.604 min Scan# 4355
Delta R.T. 0.035 min
Lab File: BN031788.D
Acq: 04 Jun 2024 22:49

Tgt Ion:276 Resp: 405136

Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.9	31.3
277	24.9	18.0	27.0

