

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031786.D
 Acq On : 04 Jun 2024 21:30
 Operator : MA/JU
 Sample : P2591-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1

Quant Time: Jun 05 00:38:31 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	525475	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2273597	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1334288	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2279981	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	1201080	20.000	ng/u1	0.01
88) Perylene-d12	24.257	264	1633312	20.000	ng/u1	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	43315	3.410	ng/uL	0.00
4) Pyridine-d5	3.599	84	178108	4.981	ng/u1	0.00
7) Phenol-d5	6.852	99	1010028	22.421	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	549903	20.869	ng/u1	0.00
11) 2-Chlorophenol-d4	7.211	132	804086	23.393	ng/u1	0.00
15) 4-Methylphenol-d8	8.381	113	793145	21.599	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	409062	23.531	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	438768	24.434	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	766262	22.857	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	576433	11.581	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2203499	23.705	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2546432	23.824	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	287902	15.469	ng/u1	0.00
60) Fluorene-d10	15.316	176	1779730	22.628	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	102551	8.948	ng/u1	0.01
73) Anthracene-d10	17.175	188	2301511	23.578	ng/u1	0.00
81) Pyrene-d10	19.469	212	1748158	27.199	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.057	264	1295232	16.607	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	1101322	9.360	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	430028	5.347	ng/u1	99
37) 1-Methylnaphthalene	12.352	142	354525	4.393	ng/u1	97
43) 1,1'-Biphenyl	13.151	154	151979	1.619	ng/u1	97
50) Acenaphthylene	14.046	152	340176	2.816	ng/u1	98
52) Acenaphthene	14.387	153	1067635	13.358	ng/u1	98
56) Dibenzofuran	14.722	168	1609879	14.826	ng/u1	98
61) Fluorene	15.375	166	1041793	11.914	ng/u1	98
72) Phenanthrene	17.116	178	16849431	145.072	ng/u1	99
74) Anthracene	17.204	178	4474429	38.020	ng/u1	98
77) Carbazole	17.481	167	2949403	29.391	ng/u1	99
80) Fluoranthene	19.286	202	155861	2.029	ng/u1	99
82) Pyrene	19.510	202	15160566	192.372	ng/u1	98
83) Butylbenzylphthalate	20.404	149	153439	4.122	ng/u1#	74
85) Benzo(a)anthracene	21.292	228	10333026	128.531	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	367922	6.781	ng/u1	99
87) Chrysene	21.357	228	10009291	133.292	ng/u1	97
90) Benzo(b)fluoranthene	23.345	252	13686317	140.190	ng/u1	96
91) Benzo(k)fluoranthene	23.392	252	4721404	49.285	ng/u1	98
93) Benzo(a)pyrene	24.122	252	6005208	65.676	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.586	276	5511546	52.309	ng/u1	98
95) Dibenzo(a,h)anthracene	27.621	278	1938964	22.540	ng/u1#	93
96) Benzo(g,h,i)perylene	28.604	276	634879	7.580	ng/u1	97

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

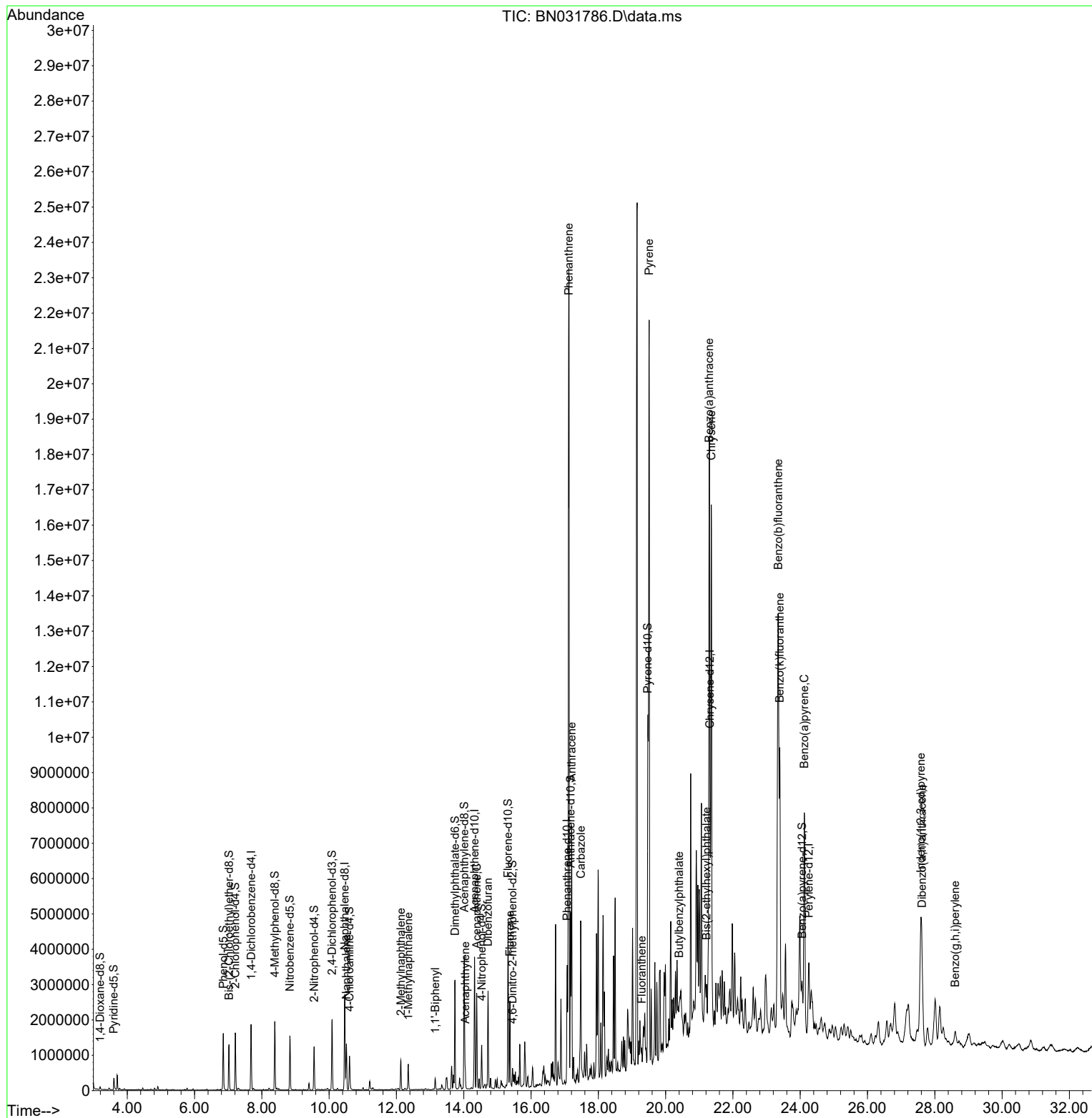
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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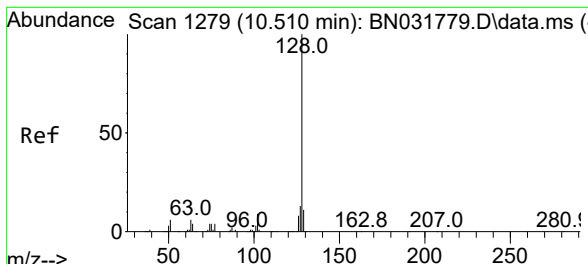
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 05 00:38:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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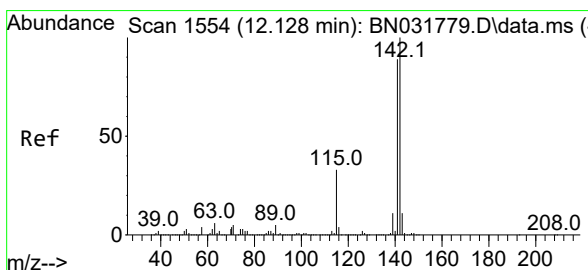
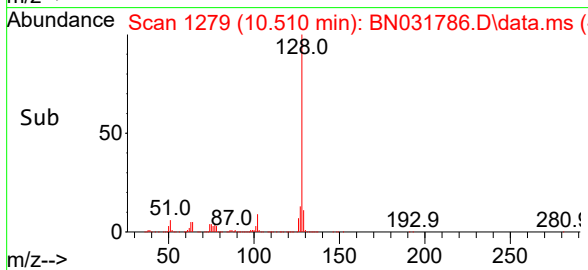
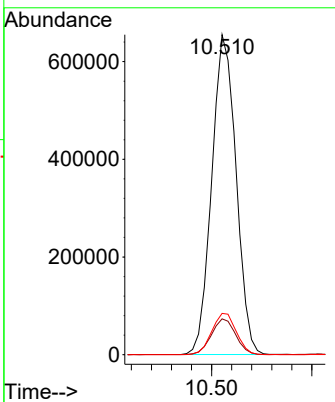
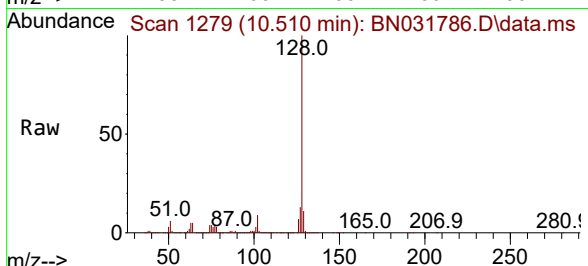


#30
Naphthalene
Concen: 9.360 ng/ul
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

Instrument :
BNA_N
ClientSampleId :
BHBQ1

Tgt Ion:128 Resp: 1101322

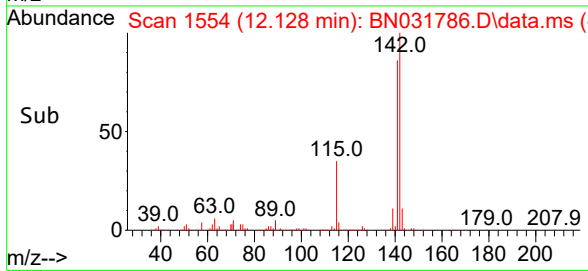
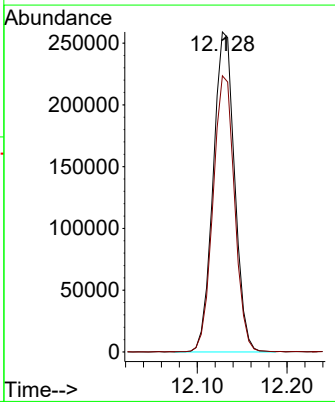
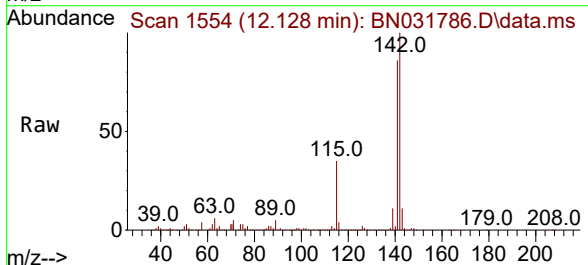
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	12.9	10.3	15.5

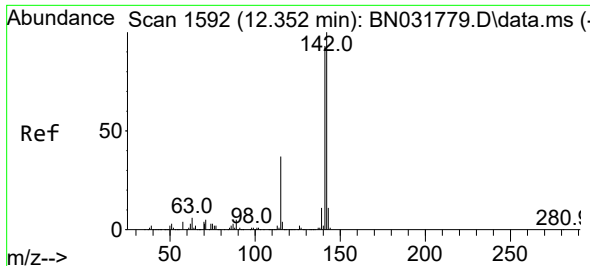


#36
2-Methylnaphthalene
Concen: 5.347 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

Tgt Ion:142 Resp: 430028

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.1	105.1





#37

1-Methylnaphthalene

Concen: 4.393 ng/ul

RT: 12.352 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

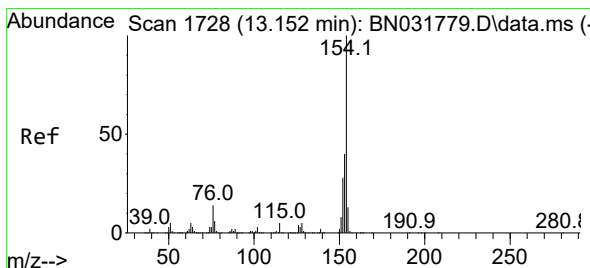
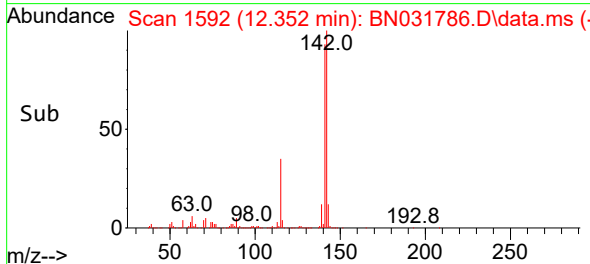
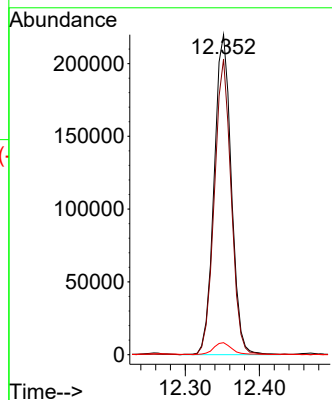
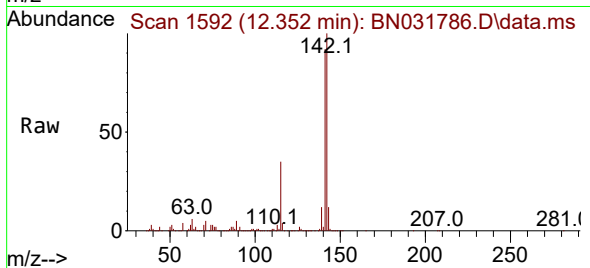
Tgt Ion:142 Resp: 354525

Ion Ratio Lower Upper

142 100

141 92.4 71.7 107.5

116 3.8 3.0 4.4



#43

1,1'-Biphenyl

Concen: 1.619 ng/ul

RT: 13.151 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

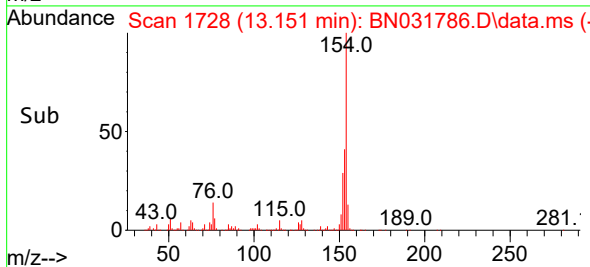
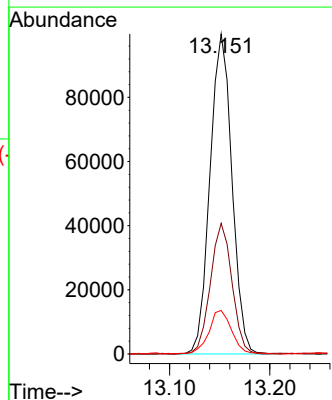
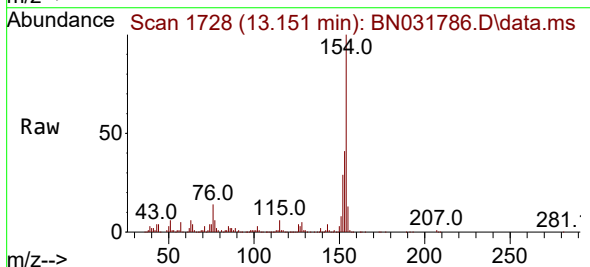
Tgt Ion:154 Resp: 151979

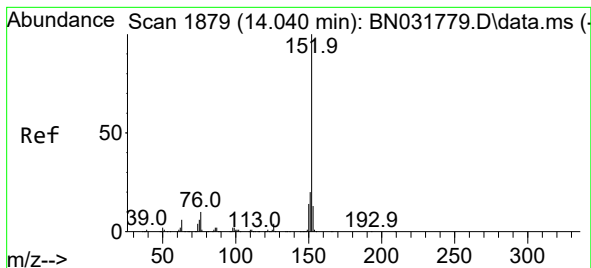
Ion Ratio Lower Upper

154 100

153 40.8 30.6 46.0

76 13.6 11.1 16.7





#50

Acenaphthylene

Concen: 2.816 ng/ul

RT: 14.046 min Scan# 1879

Delta R.T. 0.000 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

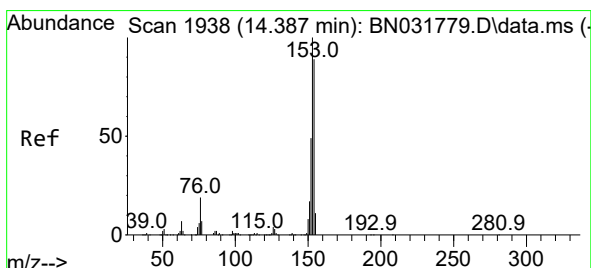
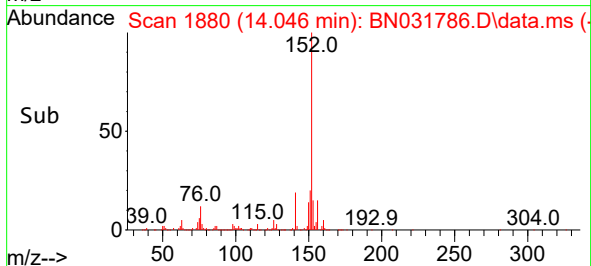
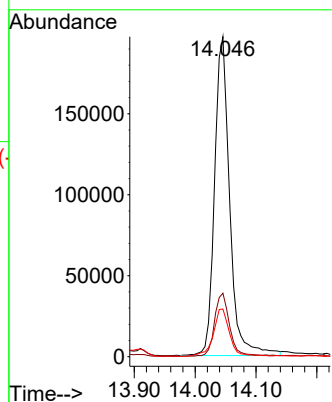
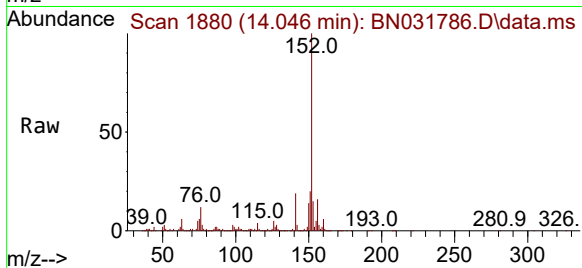
Tgt Ion:152 Resp: 340176

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

153 14.9 10.4 15.6



#52

Acenaphthene

Concen: 13.358 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

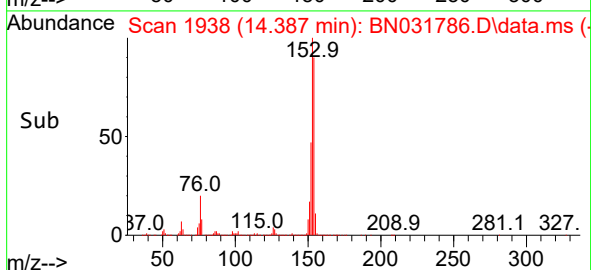
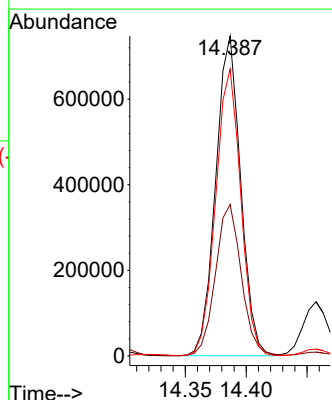
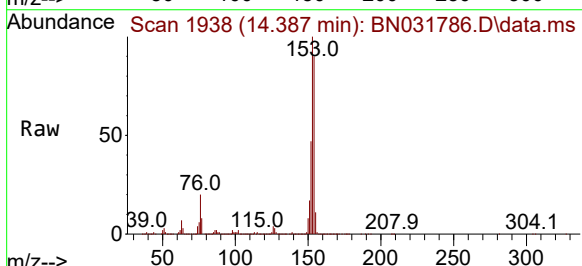
Tgt Ion:153 Resp: 1067635

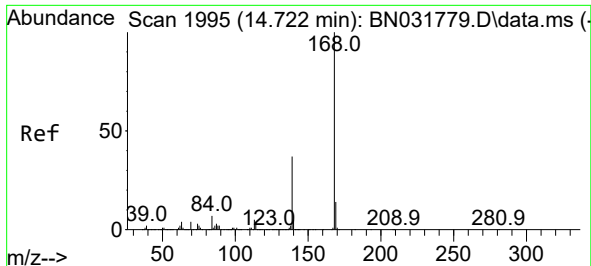
Ion Ratio Lower Upper

153 100

152 47.4 37.8 56.6

154 89.6 69.8 104.8

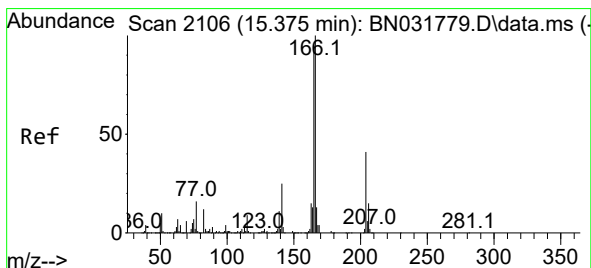
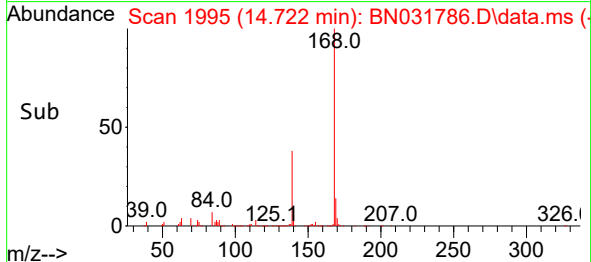
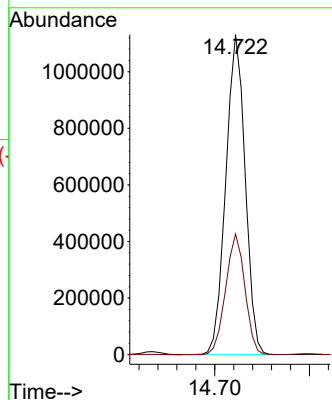
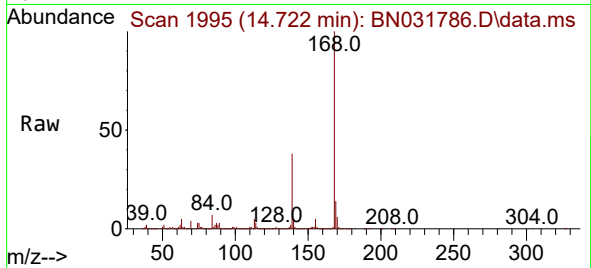




#56
Dibenzenofuran
Concen: 14.826 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

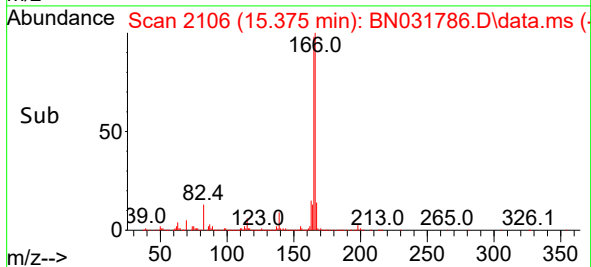
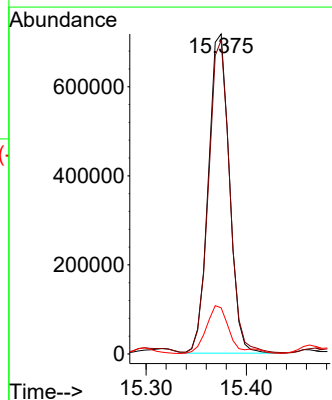
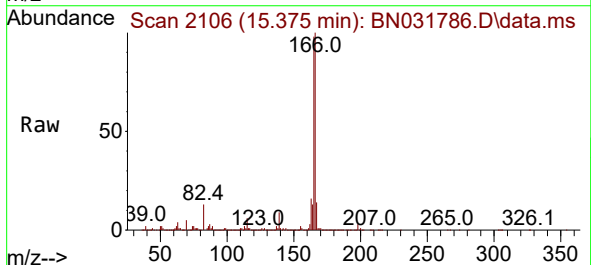
Instrument :
BNA_N
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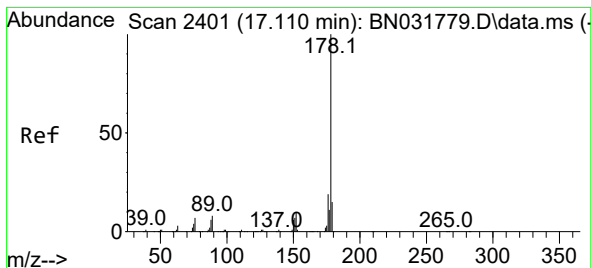
Tgt Ion:168 Resp: 1609879
Ion Ratio Lower Upper
168 100
139 37.7 29.4 44.0



#61
Fluorene
Concen: 11.914 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

Tgt Ion:166 Resp: 1041793
Ion Ratio Lower Upper
166 100
165 98.0 80.3 120.5
167 14.4 11.3 16.9





#72

Phenanthrene

Concen: 145.072 ng/u1

RT: 17.116 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

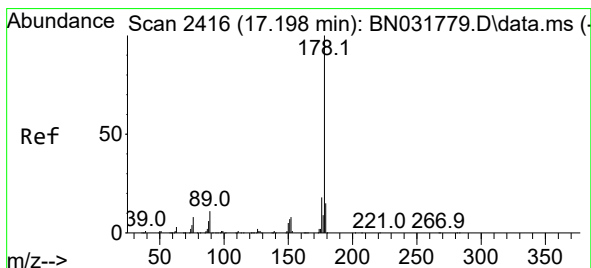
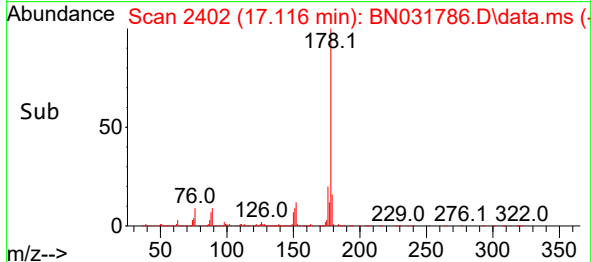
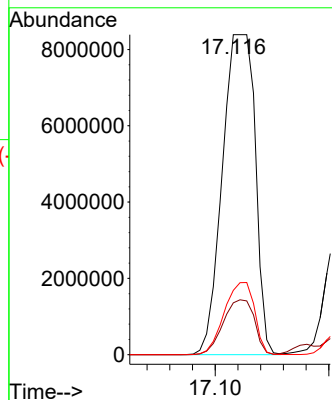
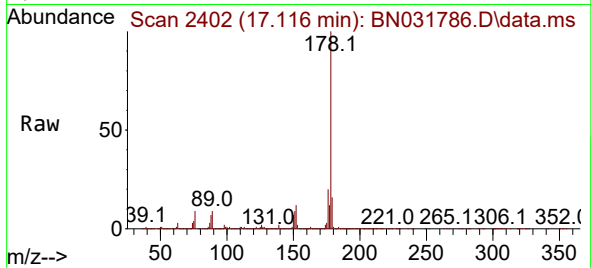
Tgt Ion:178 Resp:16849431

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 20.1 15.8 23.6



#74

Anthracene

Concen: 38.020 ng/u1

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

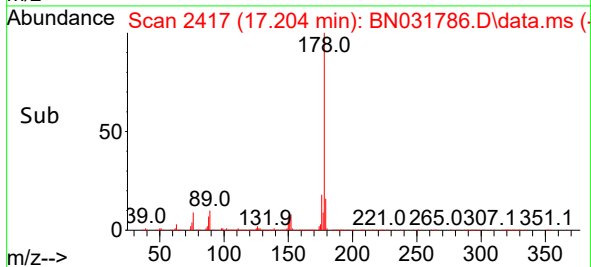
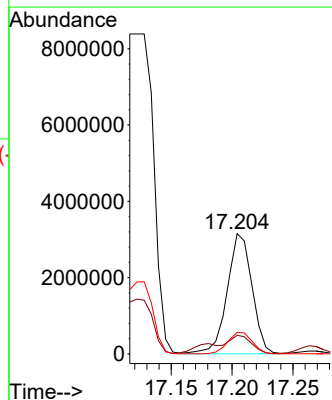
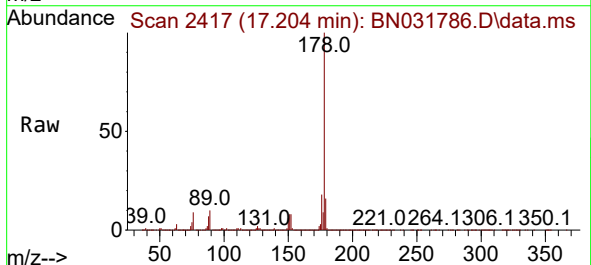
Tgt Ion:178 Resp: 4474429

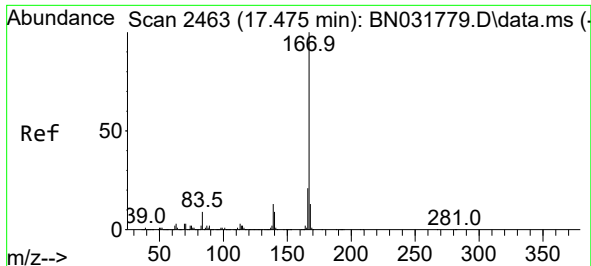
Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.6

176 18.0 14.8 22.2



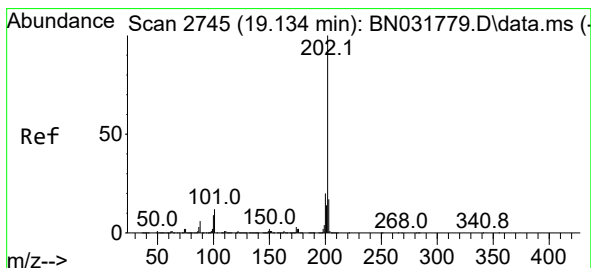
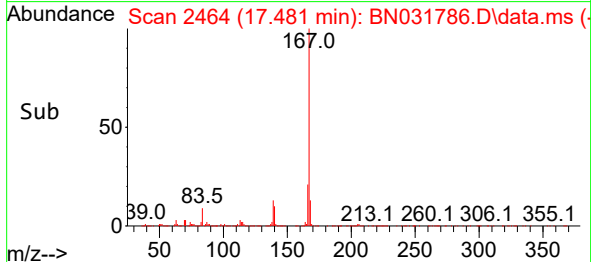
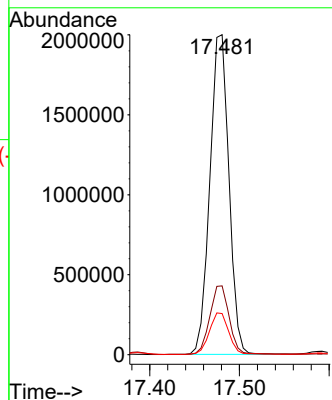
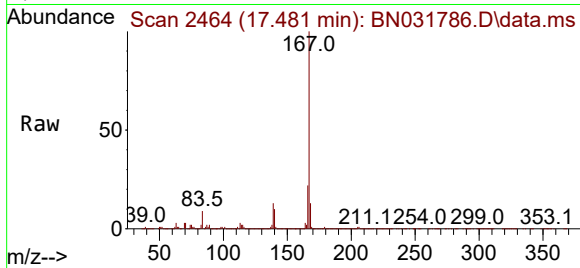


#77
 Carbazole
 Concen: 29.391 ng/ul
 RT: 17.481 min Scan# 2463
 Delta R.T. 0.006 min
 Lab File: BN031786.D
 Acq: 04 Jun 2024 21:30

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1

Tgt Ion:167 Resp: 2949403

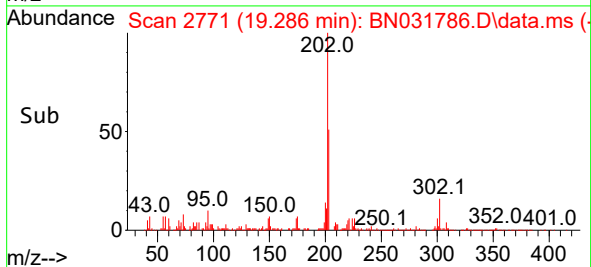
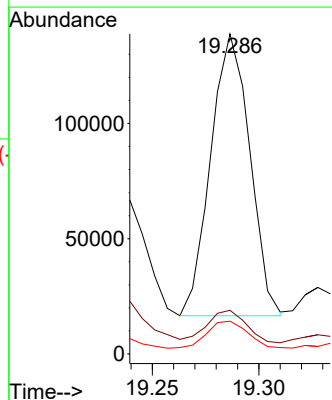
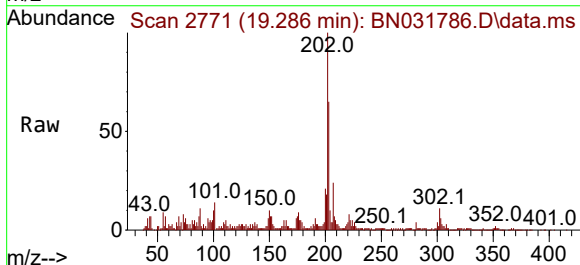
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.9	26.9
139	12.9	10.5	15.7

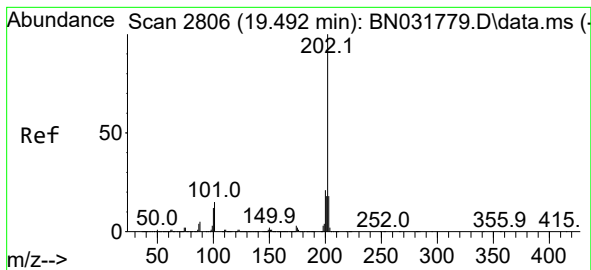


#80
 Fluoranthene
 Concen: 2.029 ng/ul
 RT: 19.286 min Scan# 2771
 Delta R.T. 0.153 min
 Lab File: BN031786.D
 Acq: 04 Jun 2024 21:30

Tgt Ion:202 Resp: 155861

Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.3	15.5
100	10.3	8.0	12.0





#82

Pyrene

Concen: 192.372 ng/ul

RT: 19.510 min Scan# 2809

Delta R.T. 0.018 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

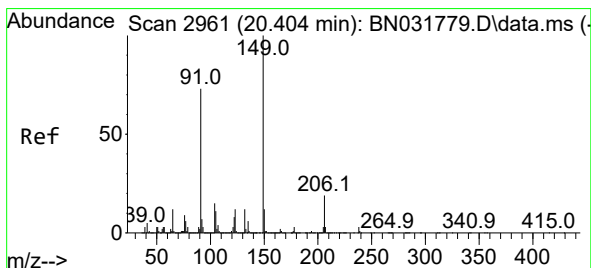
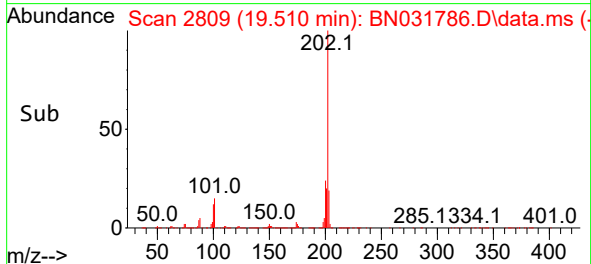
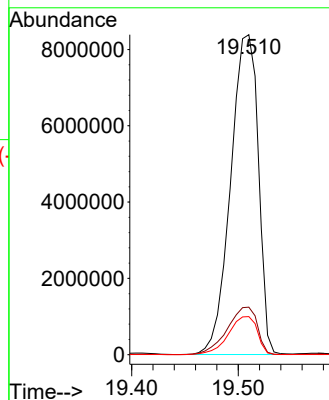
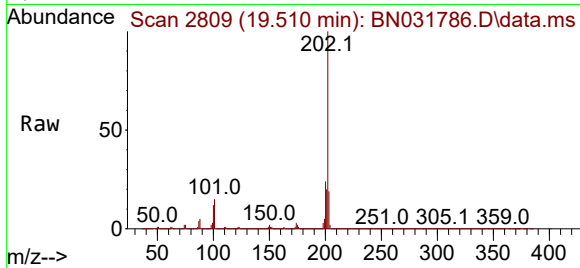
Tgt Ion:202 Resp:15160566

Ion Ratio Lower Upper

202 100

101 14.9 12.6 18.8

100 11.9 10.2 15.2



#83

Butylbenzylphthalate

Concen: 4.122 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. 0.000 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

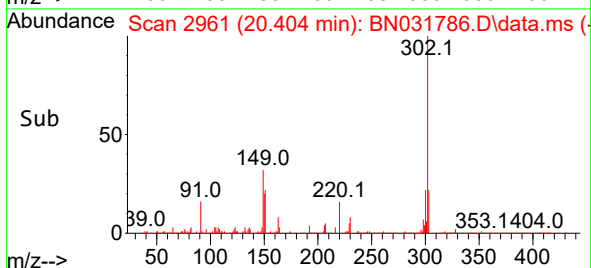
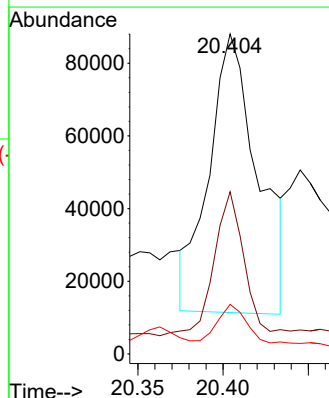
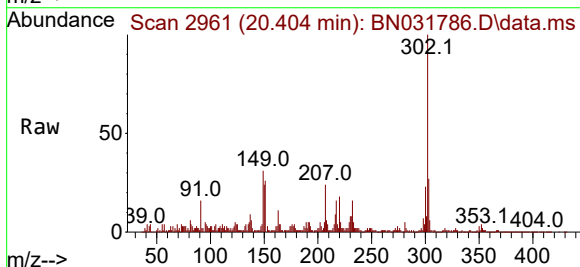
Tgt Ion:149 Resp: 153439

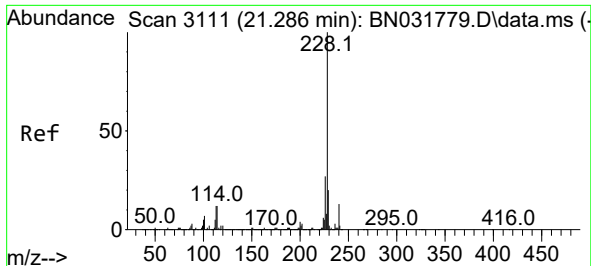
Ion Ratio Lower Upper

149 100

91 50.7 61.0 91.4#

206 15.5 16.5 24.7#

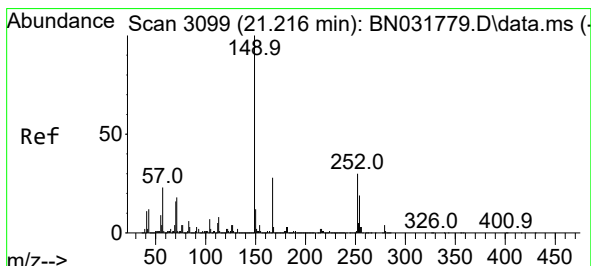
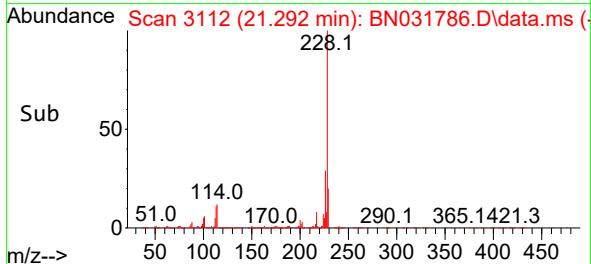
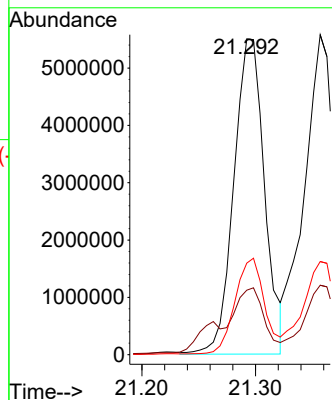
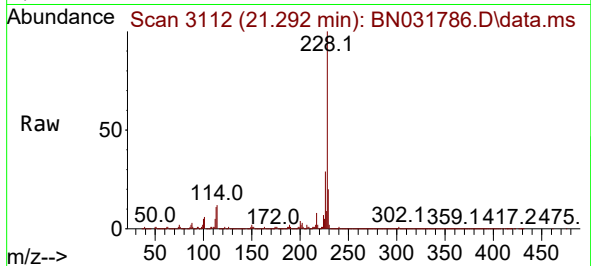




#85
Benzo(a)anthracene
Concen: 128.531 ng/ul
RT: 21.292 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

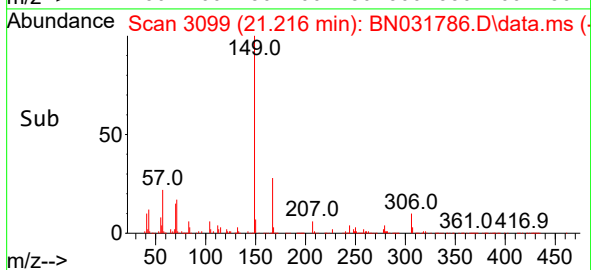
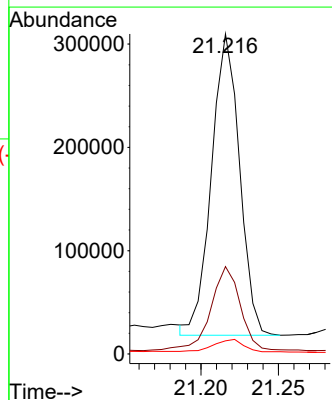
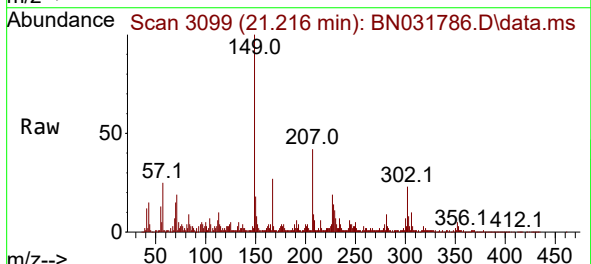
Instrument :
BNA_N
ClientSampleId :
BHBQ1

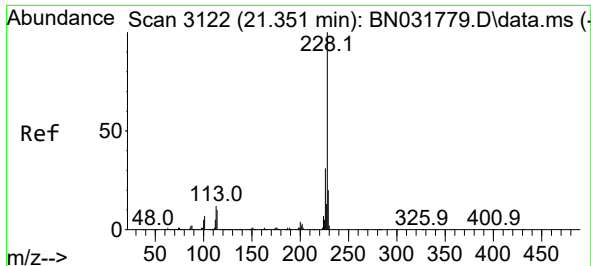
Tgt Ion:228 Resp:10333026
Ion Ratio Lower Upper
228 100
229 20.4 16.7 25.1
226 29.0 22.8 34.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 6.781 ng/ul
RT: 21.216 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

Tgt Ion:149 Resp: 367922
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.0
279 4.1 3.3 4.9

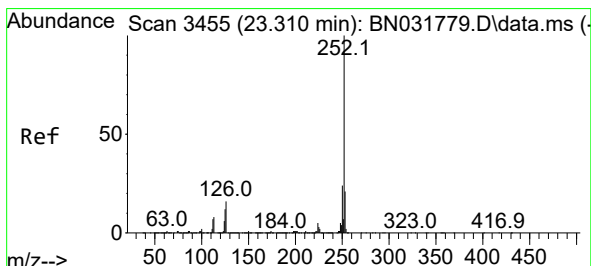
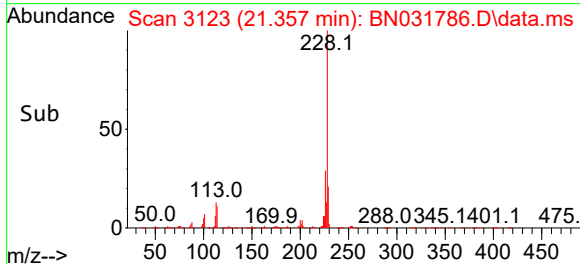
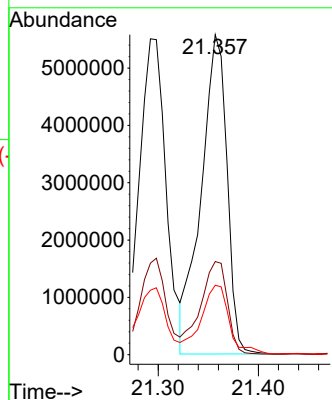
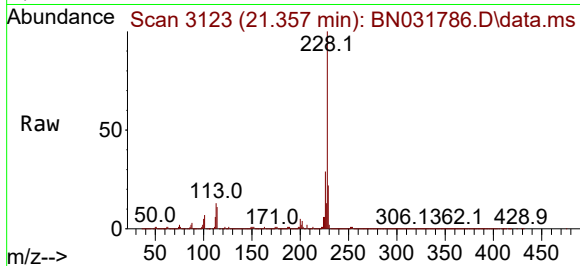




#87
Chrysene
Concen: 133.292 ng/ul
RT: 21.357 min Scan# 3122
Delta R.T. 0.006 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

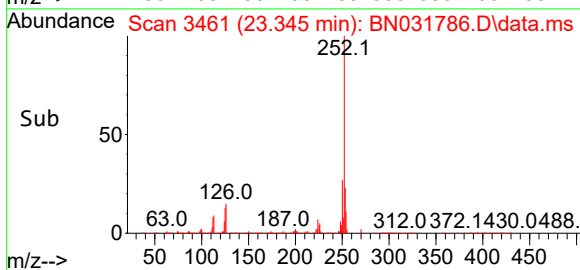
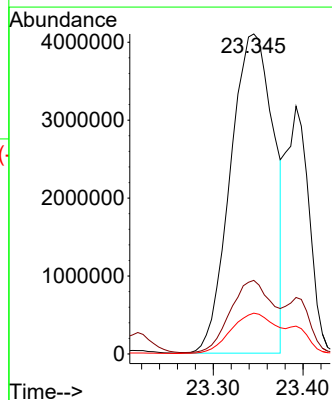
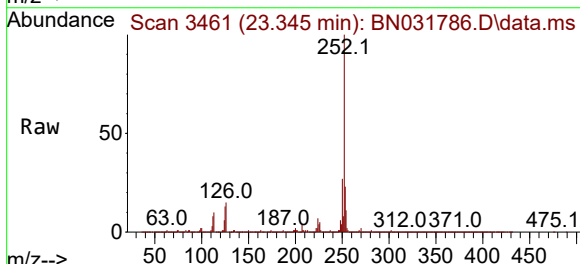
Instrument :
BNA_N
ClientSampleId :
BHBQ1

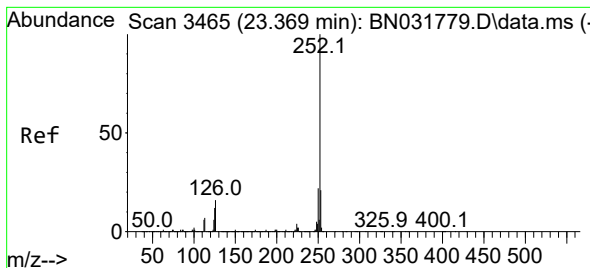
Tgt Ion:228 Resp:10009291
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 21.7 15.1 22.7



#90
Benzo(b)fluoranthene
Concen: 140.190 ng/ul
RT: 23.345 min Scan# 3461
Delta R.T. 0.035 min
Lab File: BN031786.D
Acq: 04 Jun 2024 21:30

Tgt Ion:252 Resp:13686317
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 12.7 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 49.285 ng/ul

RT: 23.392 min Scan# 3465

Delta R.T. 0.018 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

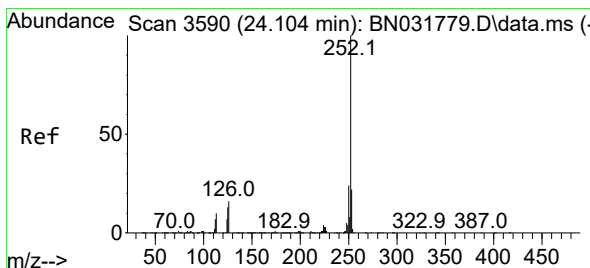
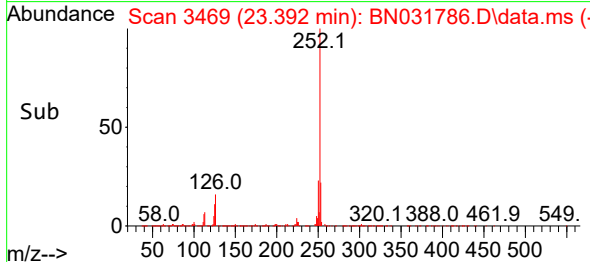
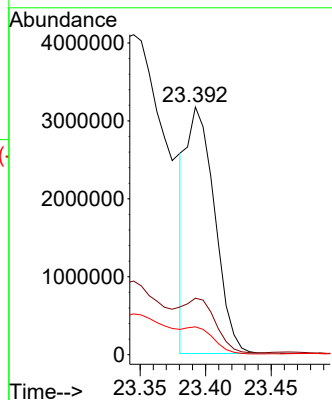
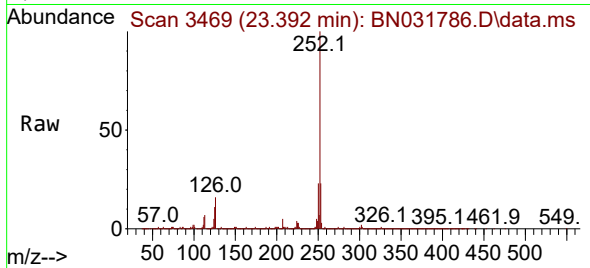
Tgt Ion:252 Resp: 4721404

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.2 9.4 14.2



#93

Benzo(a)pyrene

Concen: 65.676 ng/ul

RT: 24.122 min Scan# 3593

Delta R.T. 0.018 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

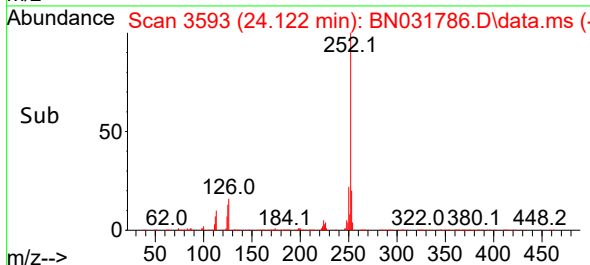
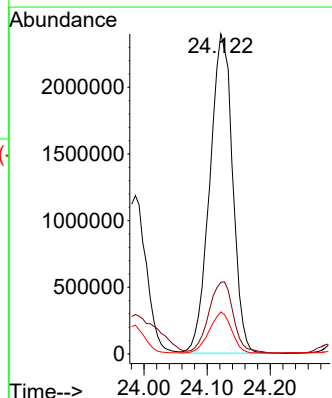
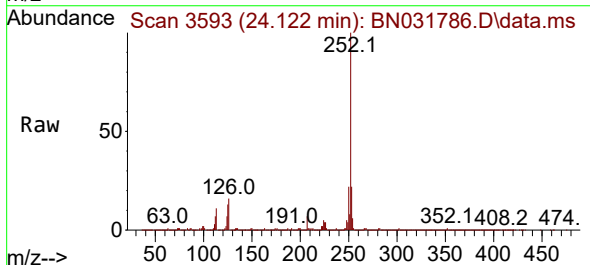
Tgt Ion:252 Resp: 6005208

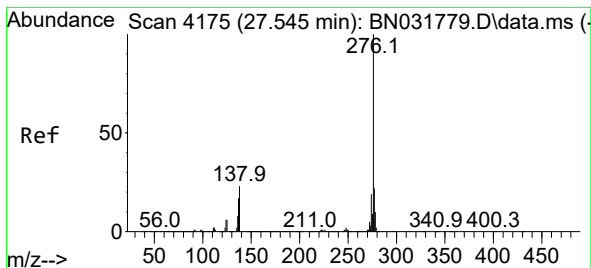
Ion Ratio Lower Upper

252 100

253 22.4 16.6 24.8

125 13.1 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 52.309 ng/ul

RT: 27.586 min Scan# 4182

Delta R.T. 0.053 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

Instrument :

BNA_N

ClientSampleId :

BHBQ1

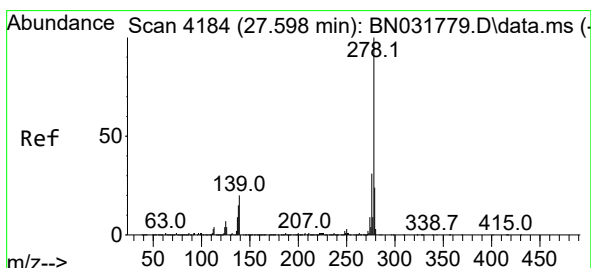
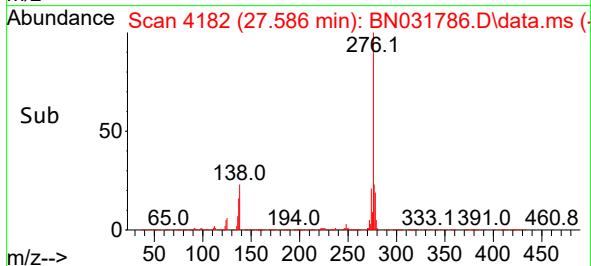
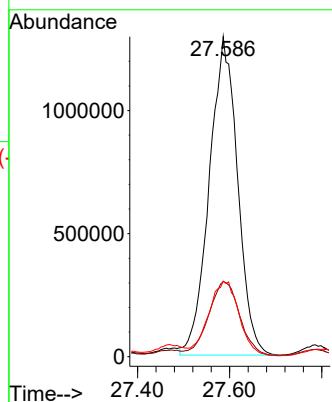
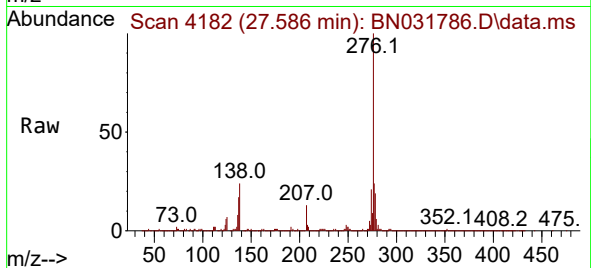
Tgt Ion:276 Resp: 5511546

Ion Ratio Lower Upper

276 100

138 23.5 18.1 27.1

277 23.6 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 22.540 ng/ul

RT: 27.621 min Scan# 4188

Delta R.T. 0.018 min

Lab File: BN031786.D

Acq: 04 Jun 2024 21:30

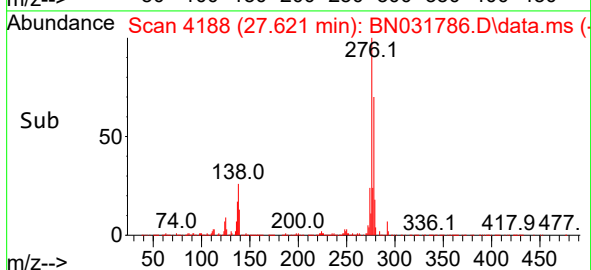
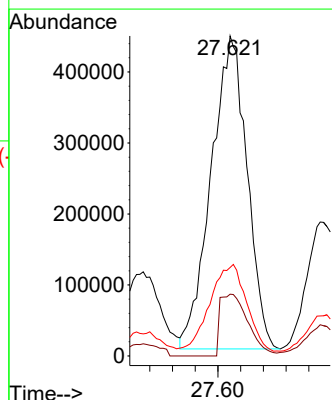
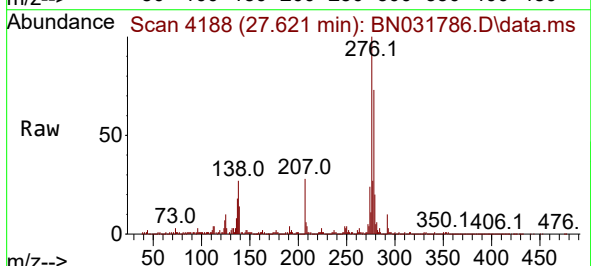
Tgt Ion:278 Resp: 1938964

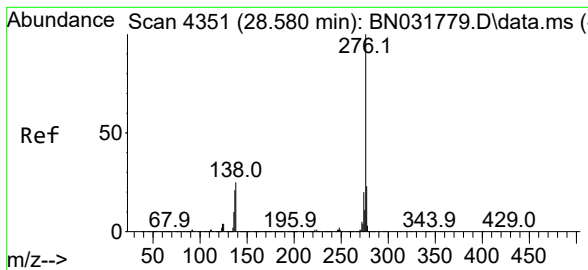
Ion Ratio Lower Upper

278 100

139 19.3 15.0 22.6

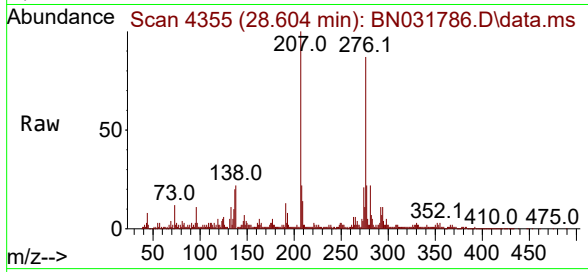
279 27.6 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 7.580 ng/ul
 RT: 28.604 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BN031786.D
 Acq: 04 Jun 2024 21:30

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ1



Tgt Ion:276 Resp: 634879

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.9	31.3
277	24.9	18.0	27.0

