

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031785.D
 Acq On : 04 Jun 2024 20:50
 Operator : MA/JU
 Sample : P2591-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5S9

Quant Time: Jun 05 00:38:14 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	513881	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2205666	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1297781	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.074	188	2089931	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	1091952	20.000	ng/u1	0.02
88) Perylene-d12	24.256	264	1589377	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	36886	2.970	ng/uL	0.00
4) Pyridine-d5	3.599	84	274689	7.856	ng/u1	0.00
7) Phenol-d5	6.851	99	901654	20.467	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	486816	18.892	ng/u1	0.00
11) 2-Chlorophenol-d4	7.210	132	721717	21.471	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	686938	19.129	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	361232	21.420	ng/u1	0.00
24) 2-Nitrophenol-d4	9.551	143	390303	22.404	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	690120	21.220	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	518183	10.731	ng/u1	0.00
46) Dimethylphthalate-d6	13.739	166	1938039	21.436	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2286152	21.991	ng/u1	0.00
54) 4-Nitrophenol-d4	14.533	143	290006	16.020	ng/u1	0.00
60) Fluorene-d10	15.316	176	1653154	21.610	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	78240	7.448	ng/u1	0.01
73) Anthracene-d10	17.174	188	2041539	22.817	ng/u1	0.00
81) Pyrene-d10	19.474	212	1490946	25.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.056	264	1212674	15.979	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	1575039	13.798	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	848202	10.871	ng/u1	98
37) 1-Methylnaphthalene	12.351	142	508230	6.492	ng/u1	96
43) 1,1'-Biphenyl	13.151	154	231977	2.541	ng/u1	96
50) Acenaphthylene	14.045	152	472208	4.019	ng/u1	97
52) Acenaphthene	14.386	153	1246132	16.030	ng/u1	100
56) Dibenzofuran	14.722	168	1929440	18.268	ng/u1	98
61) Fluorene	15.375	166	1394429	16.395	ng/u1	97
72) Phenanthrene	17.121	178	17448938	163.896	ng/u1	98
74) Anthracene	17.210	178	5695439	52.796	ng/u1	97
77) Carbazole	17.480	167	3360535	36.533	ng/u1	99
80) Fluoranthene	19.292	202	194843	2.790	ng/u1	99
82) Pyrene	19.510	202	16070362	224.295	ng/u1	97
83) Butylbenzylphthalate	20.410	149	70516	2.084	ng/u1	92
85) Benzo(a)anthracene	21.298	228	11500587	157.350	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.215	149	261145	5.294	ng/u1	97
87) Chrysene	21.298	228	11477819	168.123	ng/u1	97
90) Benzo(b)fluoranthene	23.351	252	15348405	161.561	ng/u1	97
91) Benzo(k)fluoranthene	23.351	252	15348405	164.645	ng/u1	98
93) Benzo(a)pyrene	24.133	252	7106748	79.872	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.597	276	6451722	62.925	ng/u1	98
95) Dibenzo(a,h)anthracene	27.627	278	2262980	27.034	ng/u1#	89
96) Benzo(g,h,i)perylene	28.615	276	814041	9.988	ng/u1	98

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

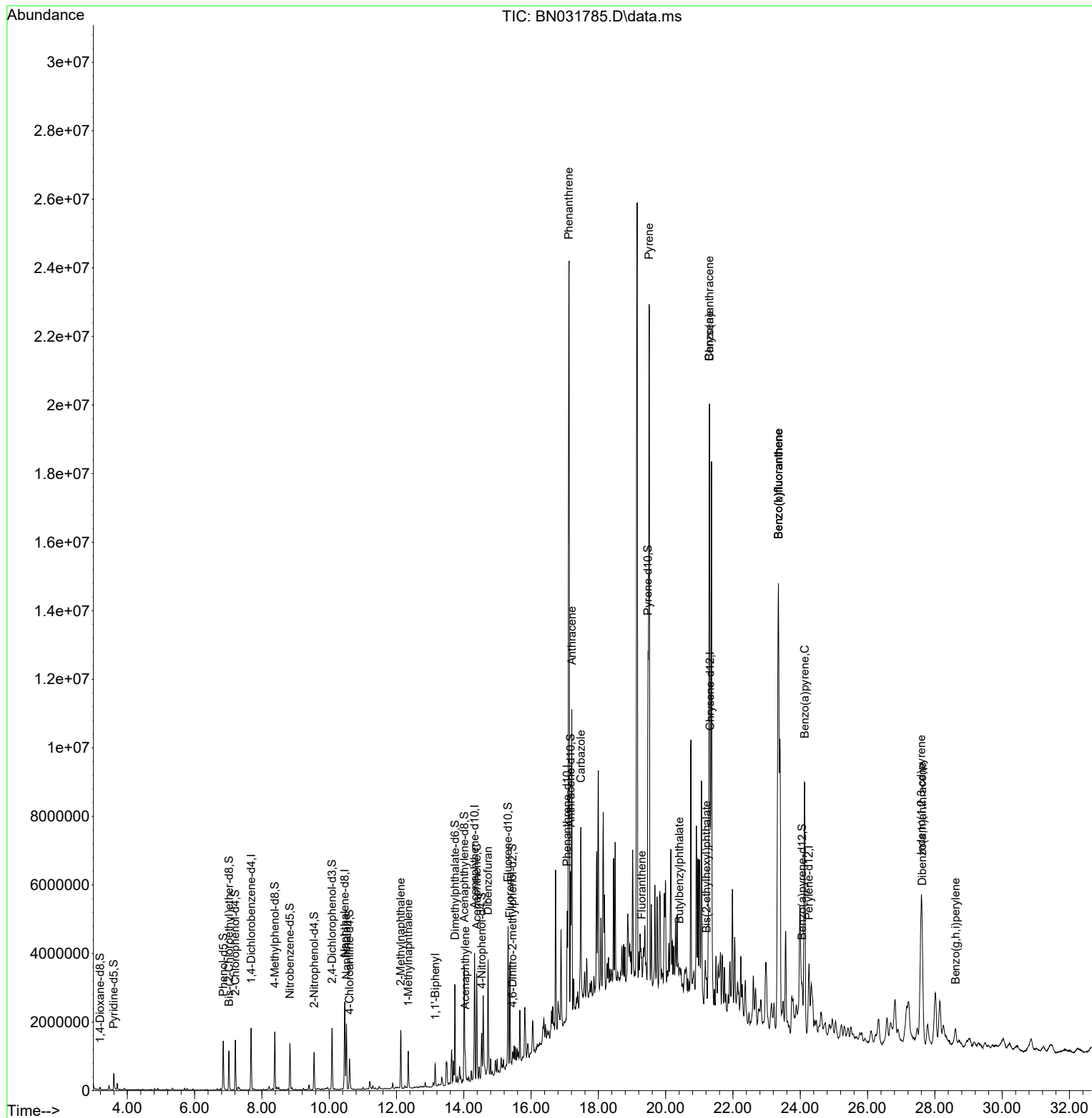
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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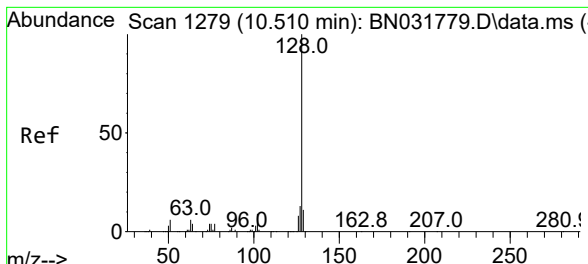
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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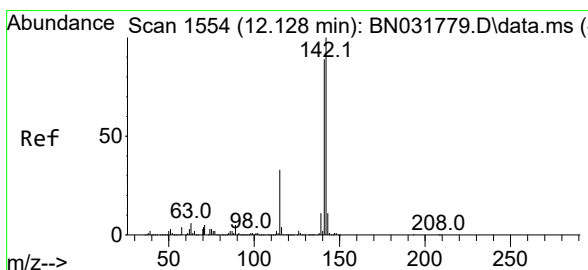
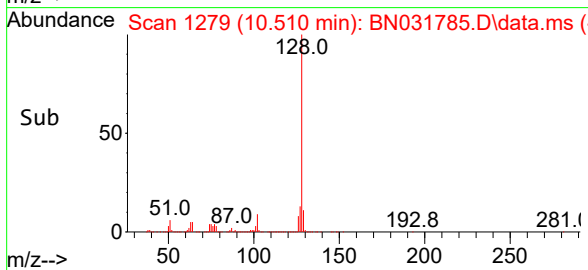
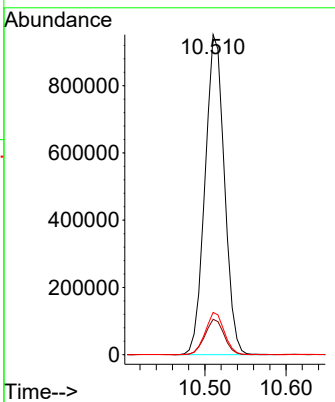
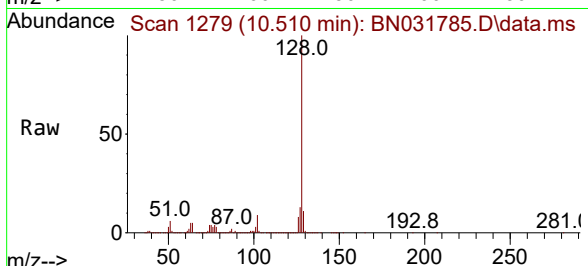


#30
Naphthalene
Concen: 13.798 ng/ul
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Instrument :
BNA_N
ClientSampleId :
BH5S9

Tgt Ion:128 Resp: 1575039

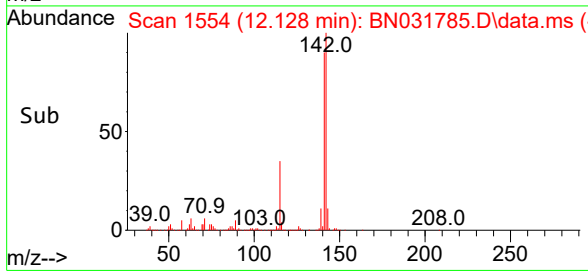
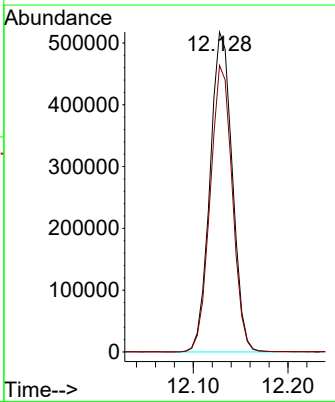
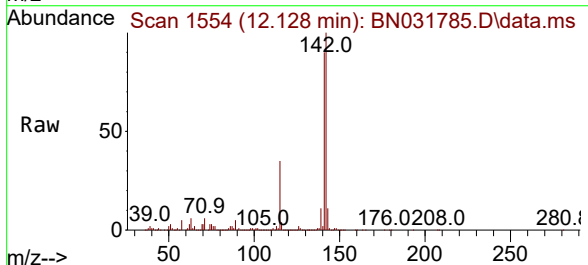
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.2	10.3	15.5

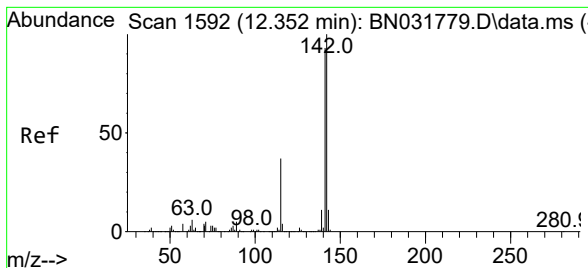


#36
2-Methylnaphthalene
Concen: 10.871 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:142 Resp: 848202

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1





#37

1-Methylnaphthalene

Concen: 6.492 ng/ul

RT: 12.351 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

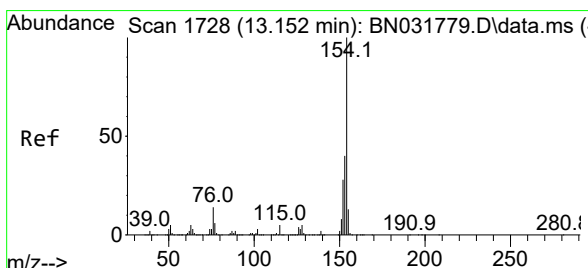
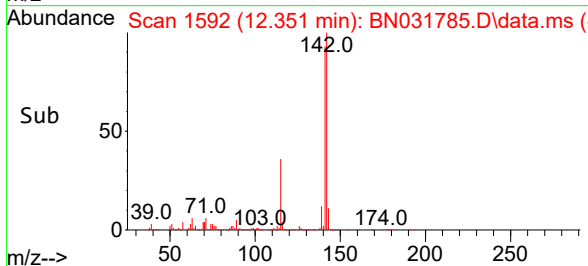
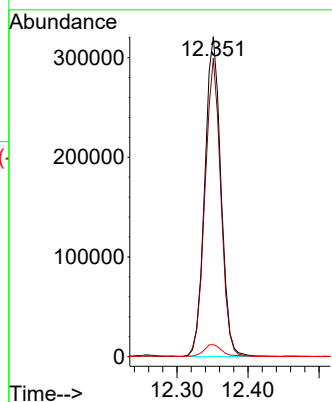
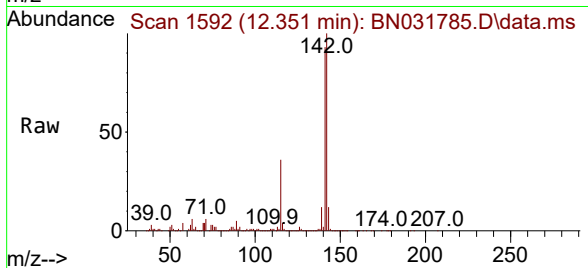
Tgt Ion:142 Resp: 508230

Ion Ratio Lower Upper

142 100

141 93.2 71.7 107.5

116 3.8 3.0 4.4



#43

1,1'-Biphenyl

Concen: 2.541 ng/ul

RT: 13.151 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

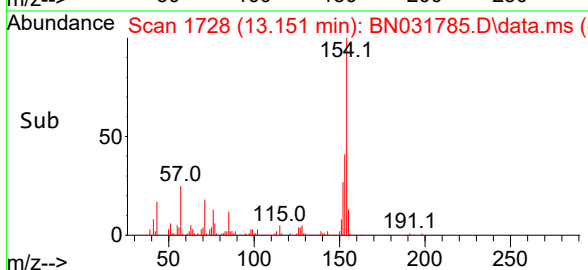
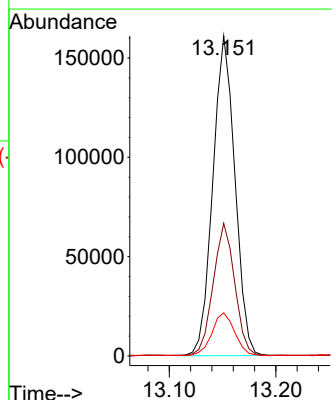
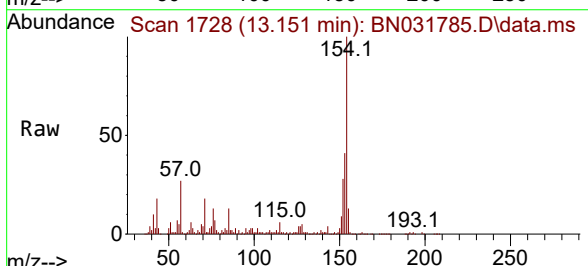
Tgt Ion:154 Resp: 231977

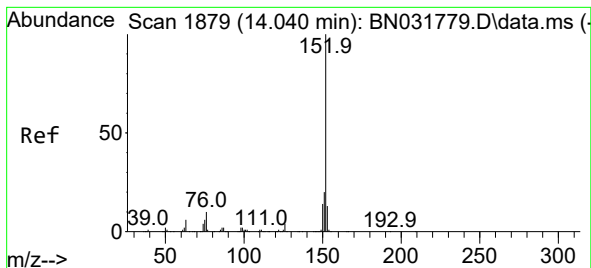
Ion Ratio Lower Upper

154 100

153 41.5 30.6 46.0

76 13.5 11.1 16.7





#50

Acenaphthylene

Concen: 4.019 ng/ul

RT: 14.045 min Scan# 1879

Delta R.T. -0.000 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

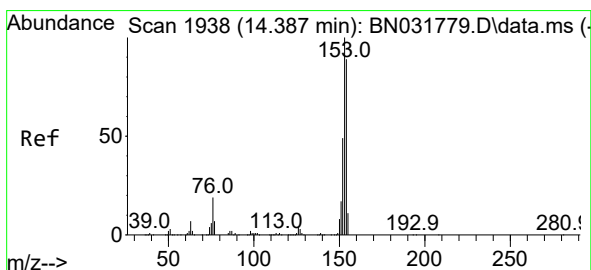
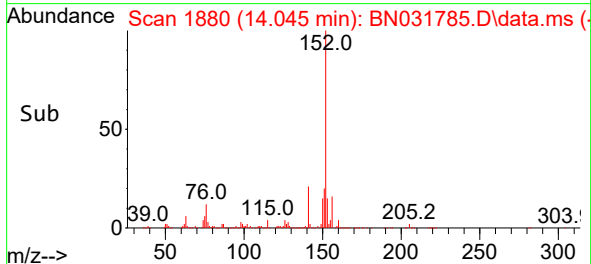
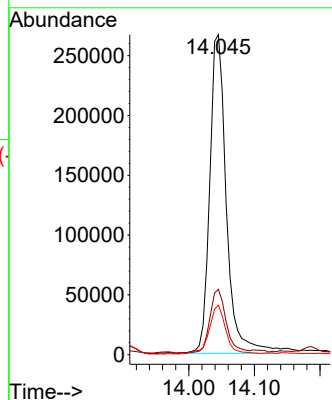
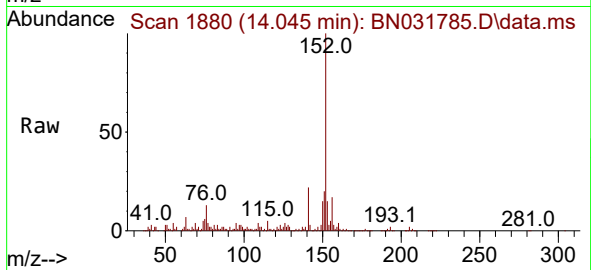
Tgt Ion:152 Resp: 472208

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 15.5 10.4 15.6



#52

Acenaphthene

Concen: 16.030 ng/ul

RT: 14.386 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

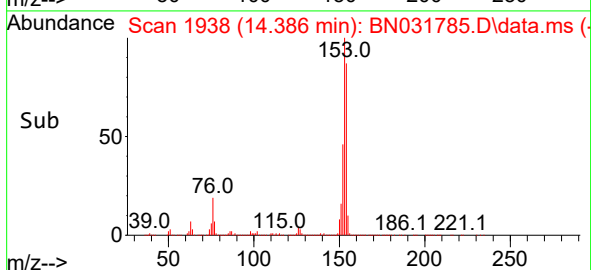
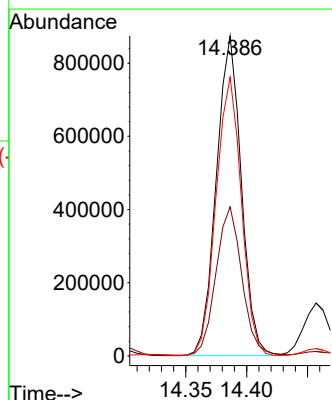
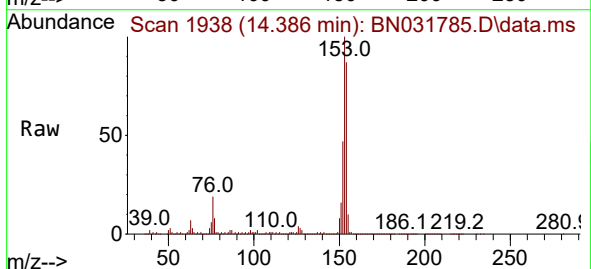
Tgt Ion:153 Resp: 1246132

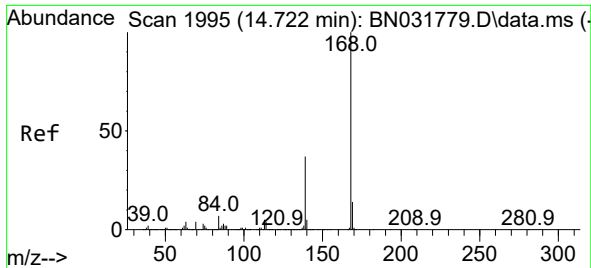
Ion Ratio Lower Upper

153 100

152 46.6 37.8 56.6

154 87.2 69.8 104.8

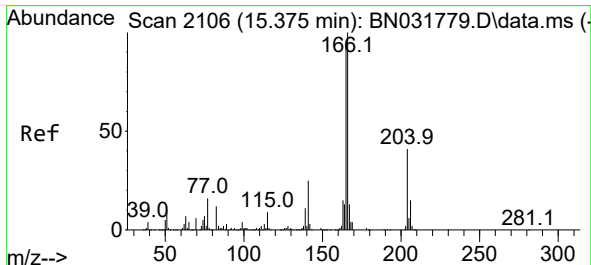
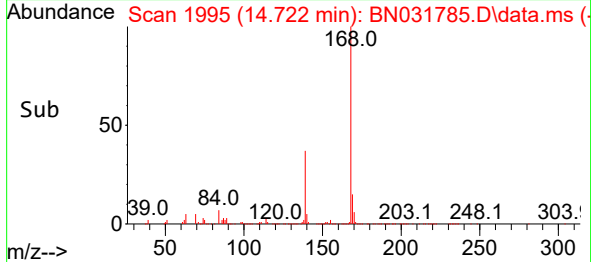
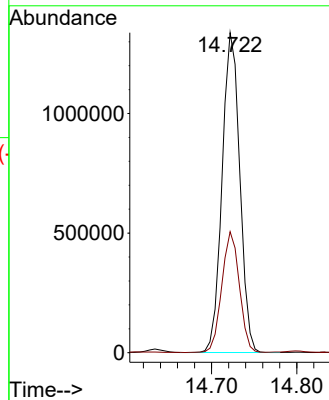
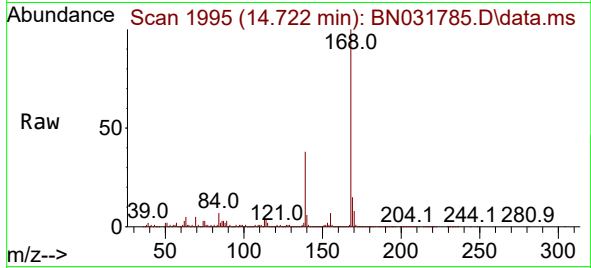




#56
Dibenzenofuran
Concen: 18.268 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

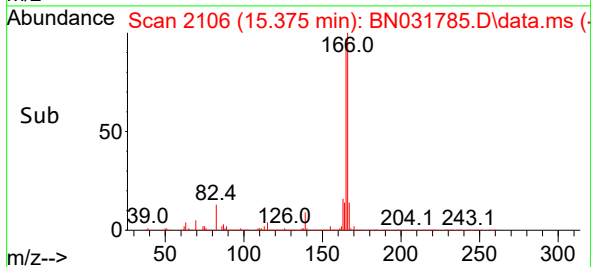
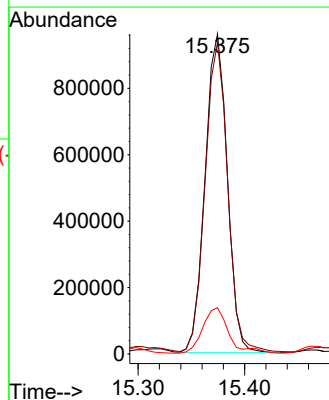
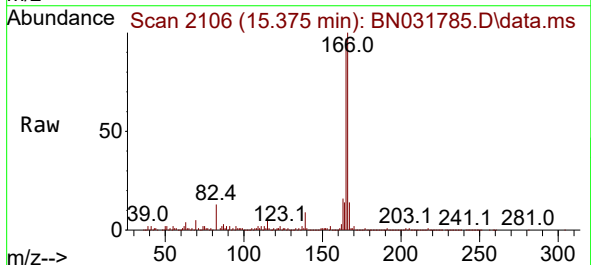
Instrument :
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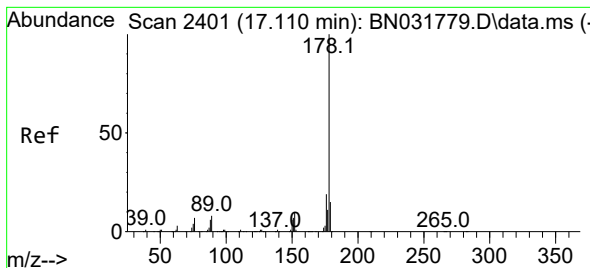
Tgt Ion:168 Resp: 1929440
Ion Ratio Lower Upper
168 100
139 37.8 29.4 44.0



#61
Fluorene
Concen: 16.395 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:166 Resp: 1394429
Ion Ratio Lower Upper
166 100
165 97.4 80.3 120.5
167 14.5 11.3 16.9





#72

Phenanthrene

Concen: 163.896 ng/ul

RT: 17.121 min Scan# 2403

Delta R.T. 0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

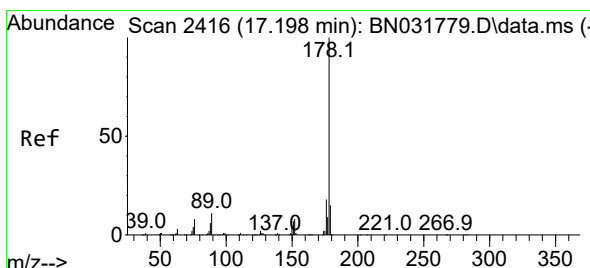
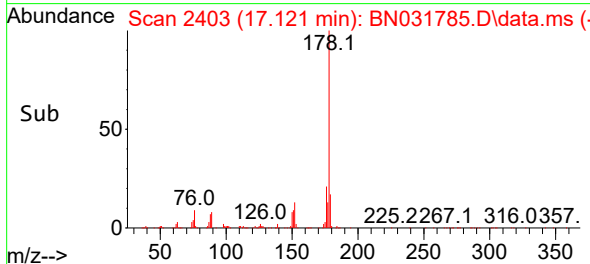
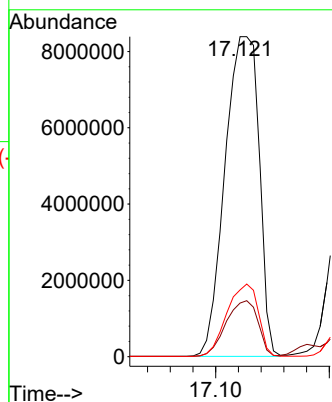
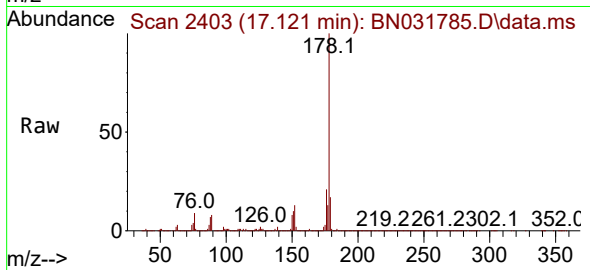
Tgt Ion:178 Resp:17448938

Ion Ratio Lower Upper

178 100

179 16.8 12.6 19.0

176 20.8 15.8 23.6



#74

Anthracene

Concen: 52.796 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

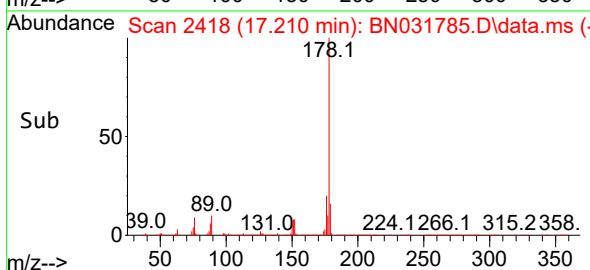
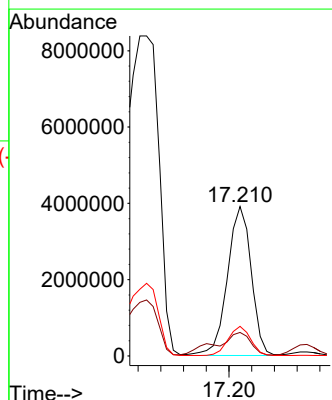
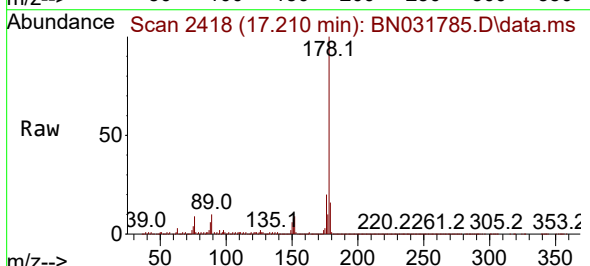
Tgt Ion:178 Resp: 5695439

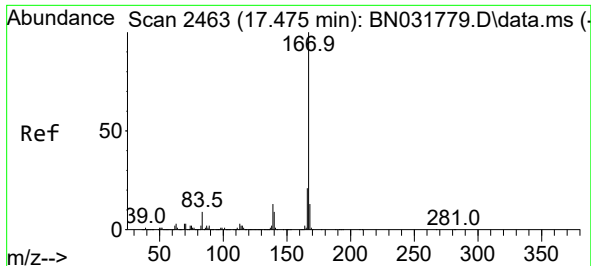
Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.6

176 19.8 14.8 22.2

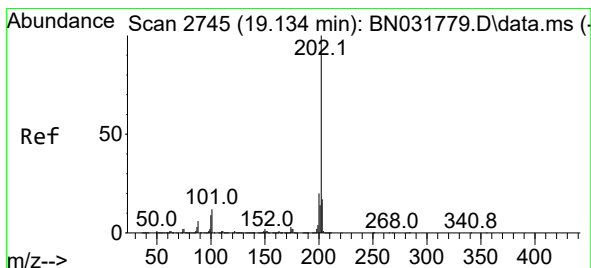
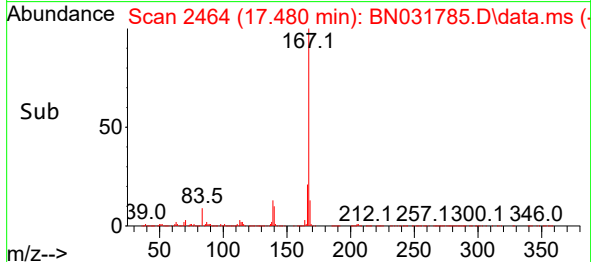
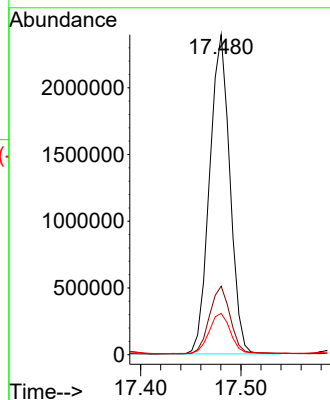
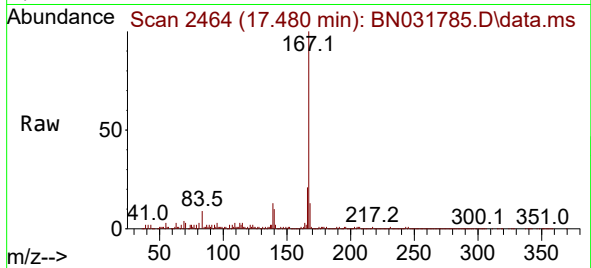




#77
 Carbazole
 Concen: 36.533 ng/ul
 RT: 17.480 min Scan# 2463
 Delta R.T. 0.006 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

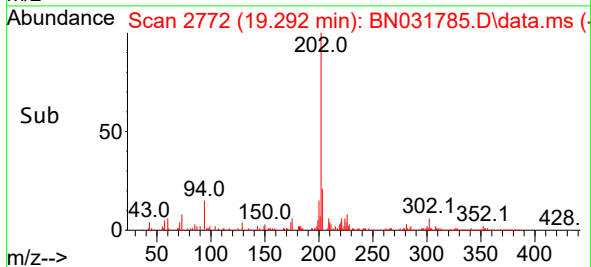
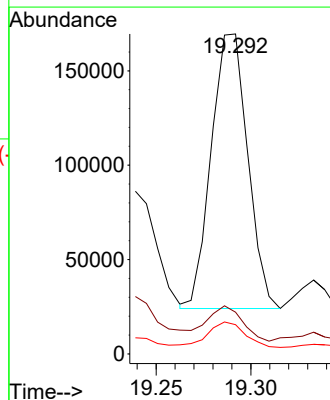
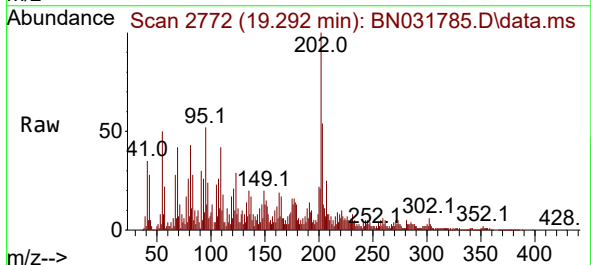
Instrument :
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 BH5S9

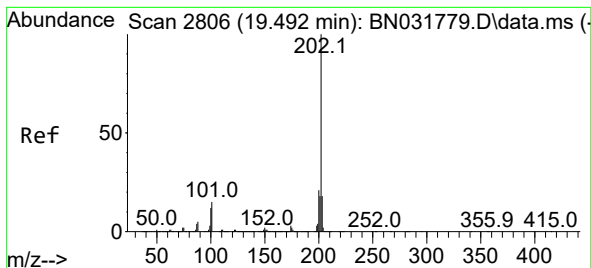
Tgt Ion:167 Resp: 3360535
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.9 26.9
 139 12.9 10.5 15.7



#80
 Fluoranthene
 Concen: 2.790 ng/ul
 RT: 19.292 min Scan# 2772
 Delta R.T. 0.158 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

Tgt Ion:202 Resp: 194843
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.3 15.5
 100 9.1 8.0 12.0





#82

Pyrene

Concen: 224.295 ng/ul

RT: 19.510 min Scan# 2809

Delta R.T. 0.017 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

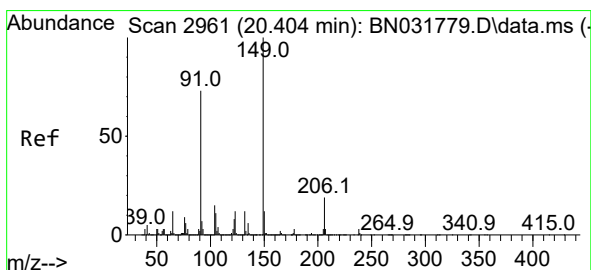
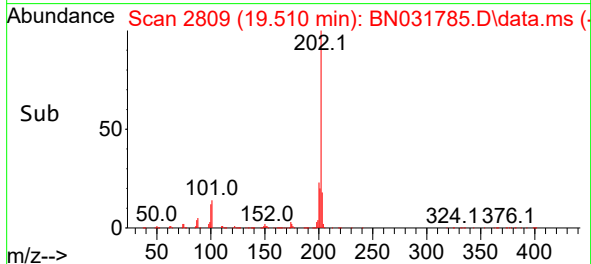
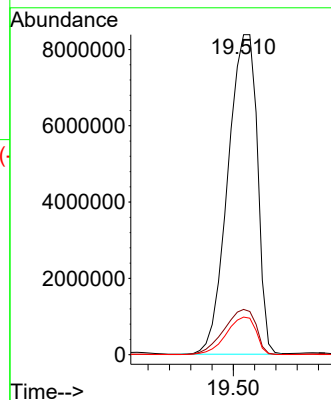
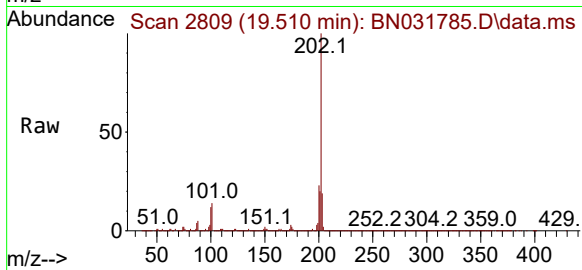
Tgt Ion:202 Resp:16070362

Ion Ratio Lower Upper

202 100

101 14.2 12.6 18.8

100 11.8 10.2 15.2



#83

Butylbenzylphthalate

Concen: 2.084 ng/ul

RT: 20.410 min Scan# 2962

Delta R.T. 0.006 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

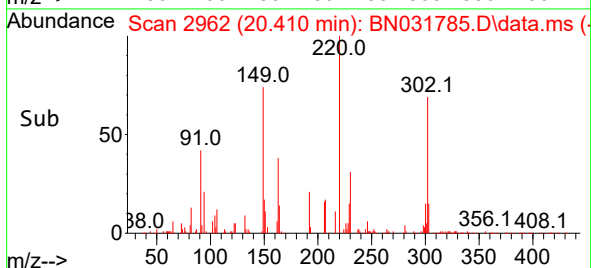
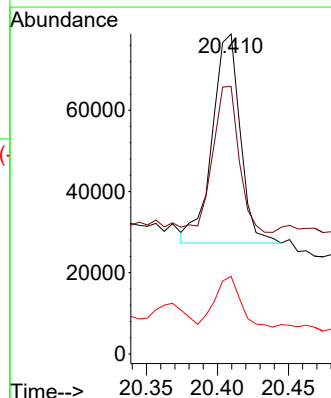
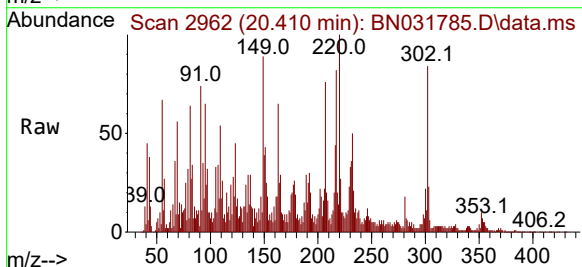
Tgt Ion:149 Resp: 70516

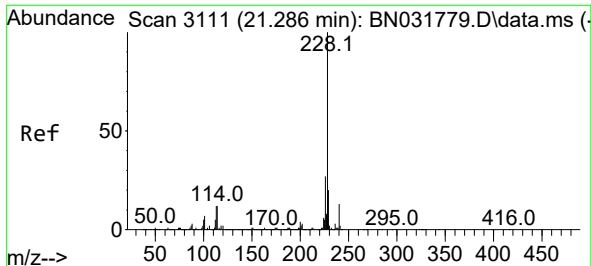
Ion Ratio Lower Upper

149 100

91 83.6 61.0 91.4

206 24.2 16.5 24.7

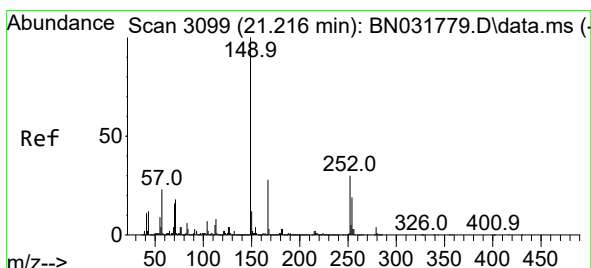
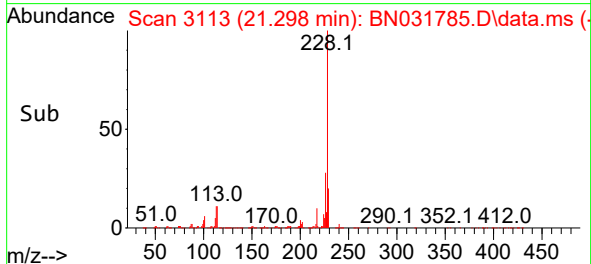
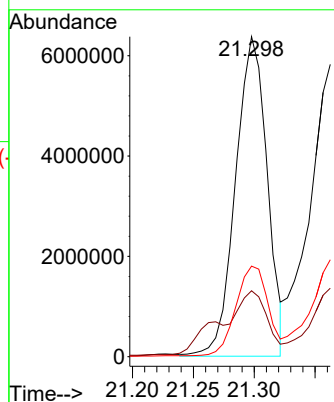
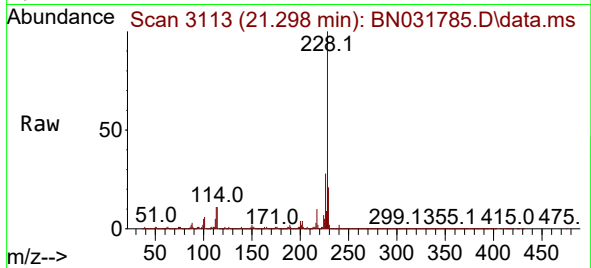




#85
Benzo(a)anthracene
Concen: 157.350 ng/ul
RT: 21.298 min Scan# 3111
Delta R.T. 0.011 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

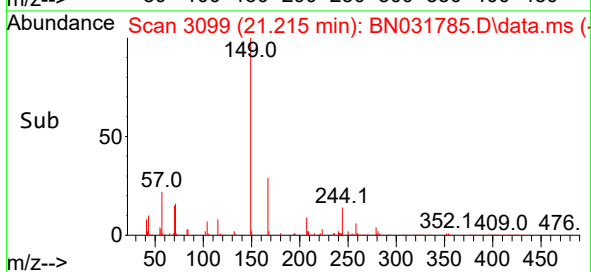
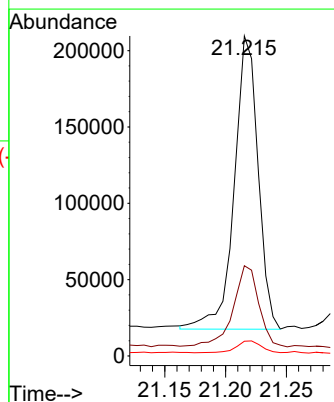
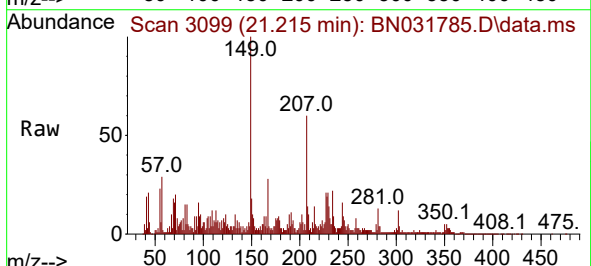
Instrument :
BNA_N
ClientSampleId :
BH5S9

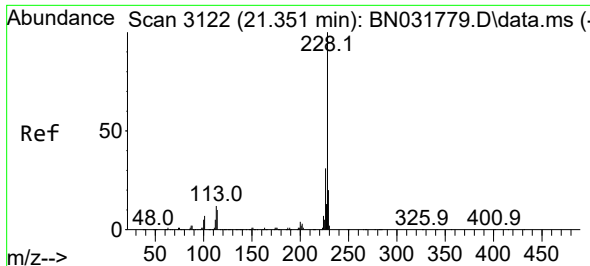
Tgt Ion:228 Resp:11500587
Ion Ratio Lower Upper
228 100
229 20.6 16.7 25.1
226 28.3 22.8 34.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.294 ng/ul
RT: 21.215 min Scan# 3099
Delta R.T. -0.006 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:149 Resp: 261145
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 4.6 3.3 4.9

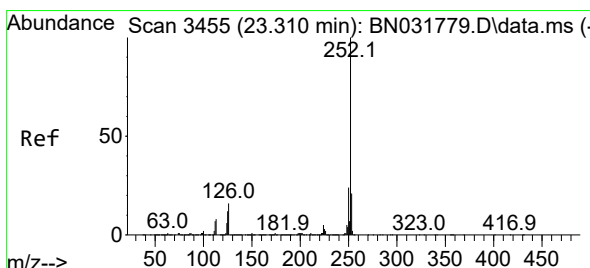
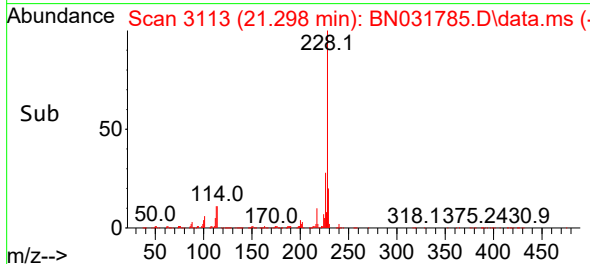
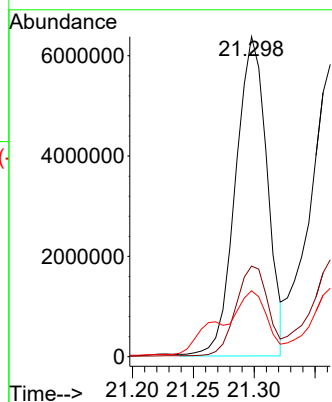
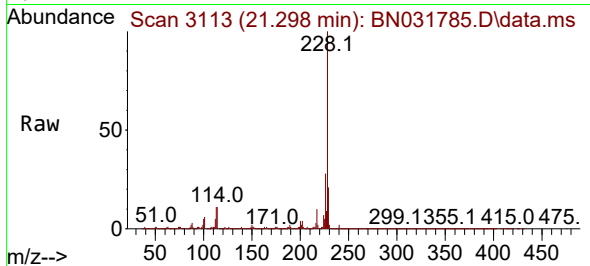




#87
Chrysene
Concen: 168.123 ng/ul
RT: 21.298 min Scan# 3113
Delta R.T. -0.053 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

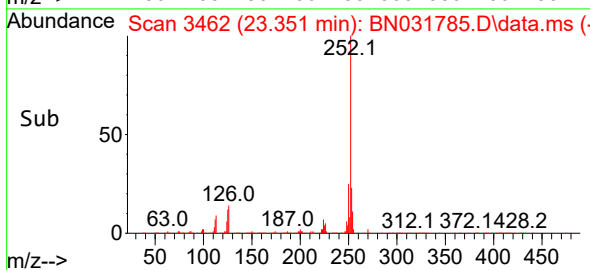
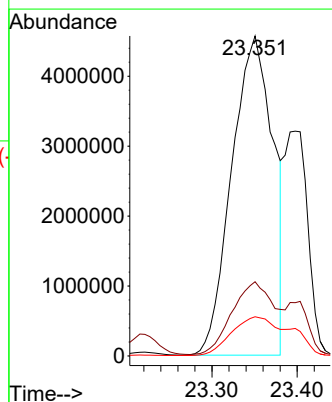
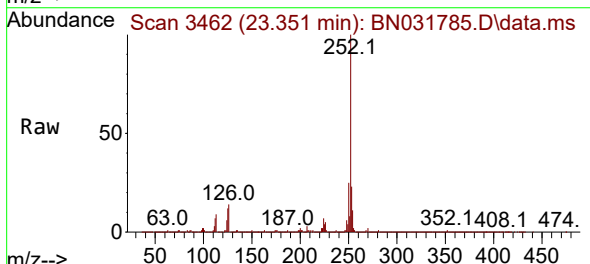
Instrument :
BNA_N
ClientSampleId :
BH5S9

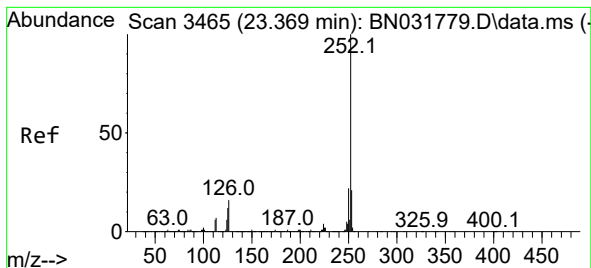
Tgt Ion:228 Resp:11477819
Ion Ratio Lower Upper
228 100
226 28.3 23.7 35.5
229 20.6 15.1 22.7



#90
Benzo(b)fluoranthene
Concen: 161.561 ng/ul
RT: 23.351 min Scan# 3462
Delta R.T. 0.041 min
Lab File: BN031785.D
Acq: 04 Jun 2024 20:50

Tgt Ion:252 Resp:15348405
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.3 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 164.645 ng/ul

RT: 23.351 min Scan# 3465

Delta R.T. -0.024 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

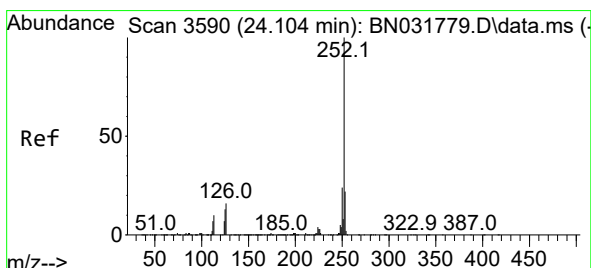
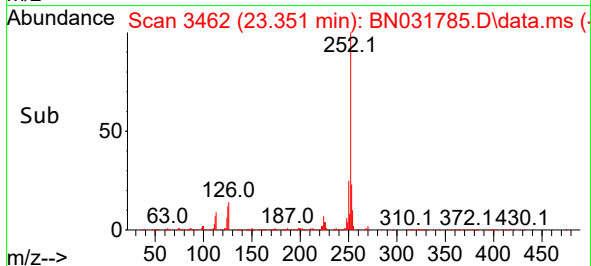
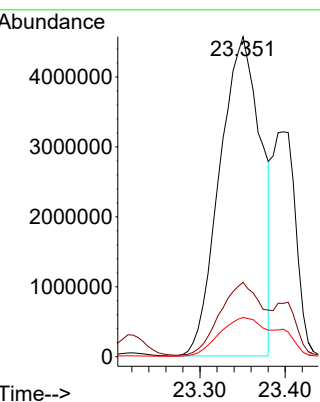
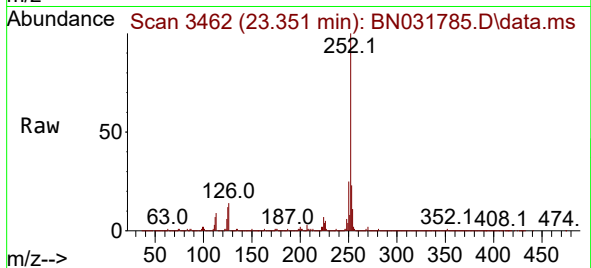
Tgt Ion:252 Resp:15348405

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 12.3 9.4 14.2



#93

Benzo(a)pyrene

Concen: 79.872 ng/ul

RT: 24.133 min Scan# 3595

Delta R.T. 0.029 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

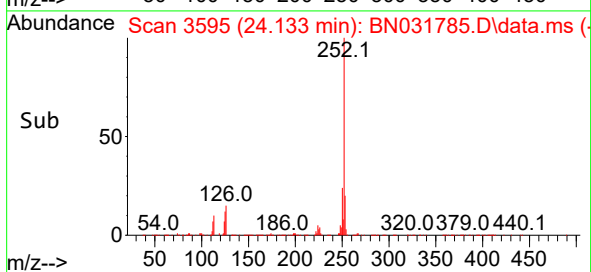
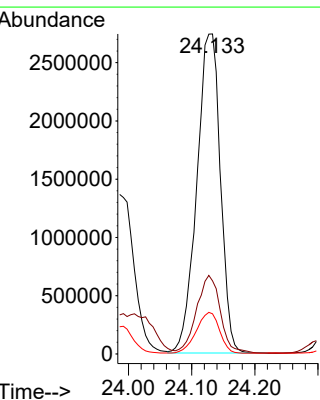
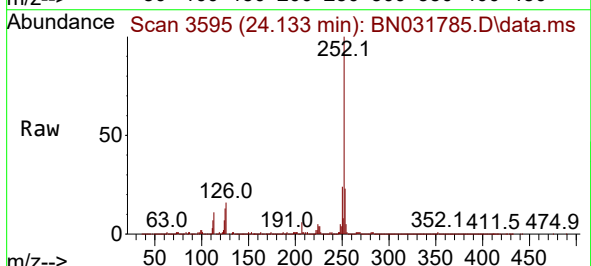
Tgt Ion:252 Resp: 7106748

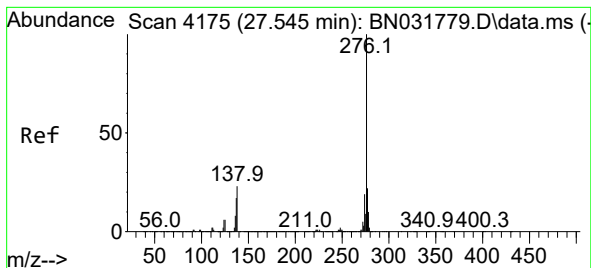
Ion Ratio Lower Upper

252 100

253 22.8 16.6 24.8

125 12.6 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 62.925 ng/ul

RT: 27.597 min Scan# 4184

Delta R.T. 0.064 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

Instrument :

BNA_N

ClientSampleId :

BH5S9

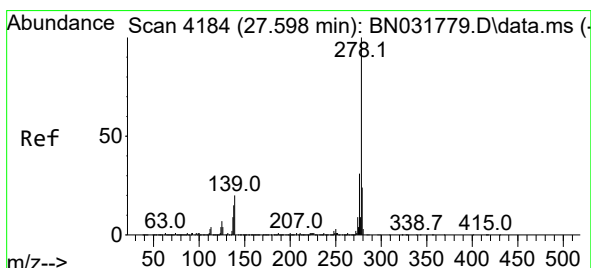
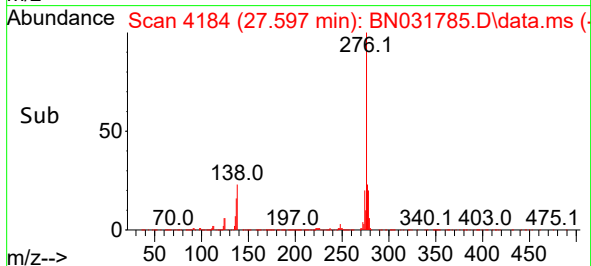
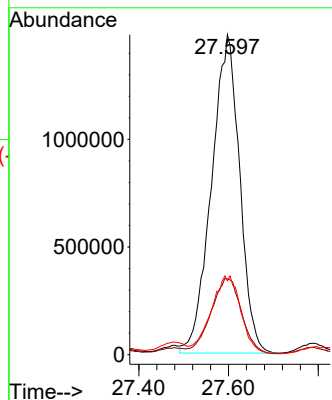
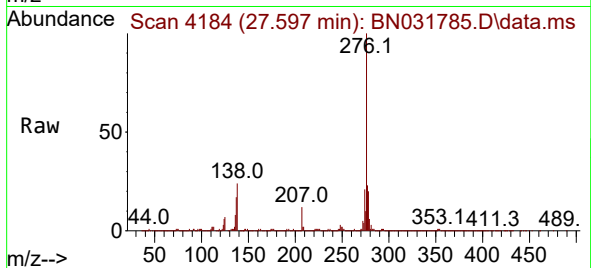
Tgt Ion:276 Resp: 6451722

Ion Ratio Lower Upper

276 100

138 23.7 18.1 27.1

277 23.1 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 27.034 ng/ul

RT: 27.627 min Scan# 4189

Delta R.T. 0.023 min

Lab File: BN031785.D

Acq: 04 Jun 2024 20:50

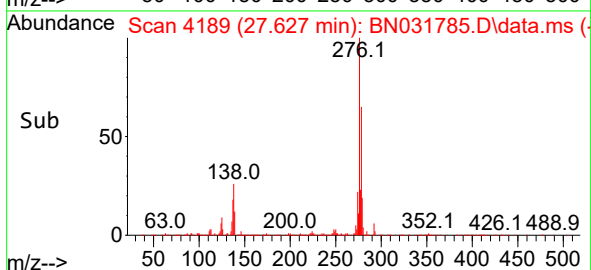
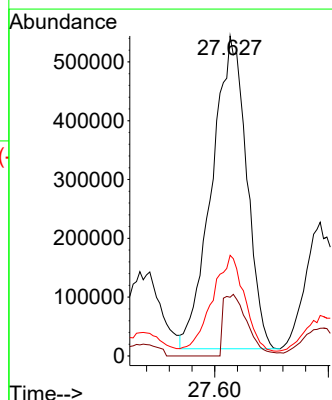
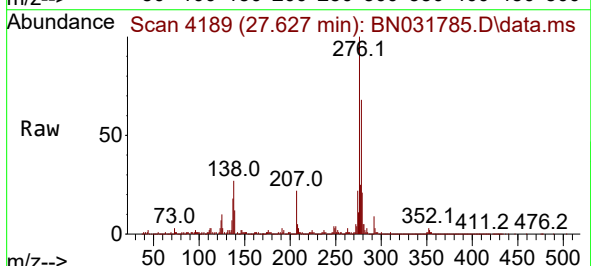
Tgt Ion:278 Resp: 2262980

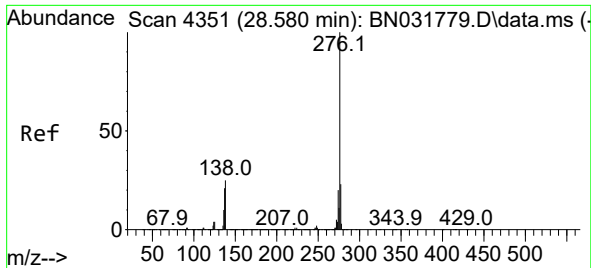
Ion Ratio Lower Upper

278 100

139 18.4 15.0 22.6

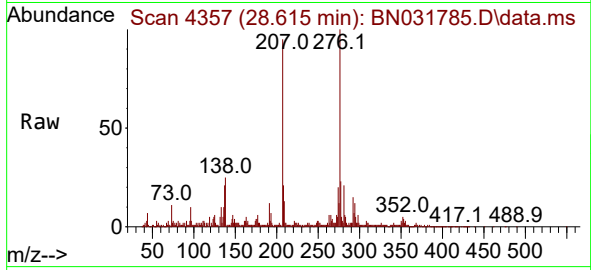
279 31.4 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 9.988 ng/ul
 RT: 28.615 min Scan# 41
 Delta R.T. 0.047 min
 Lab File: BN031785.D
 Acq: 04 Jun 2024 20:50

Instrument :
 BNA_N
 ClientSampleId :
 BH5S9



Tgt Ion:	276	Resp:	814041
Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.9	31.3
277	23.2	18.0	27.0

