

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031740.D
 Acq On : 31 May 2024 13:41
 Operator : MA/JU
 Sample : P2549-24
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBN2

Quant Time: Jun 01 00:11:34 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	511220	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2186746	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1266902	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2023545	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1301938	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1602326	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	49394	3.997	ng/uL	0.00
4) Pyridine-d5	3.593	84	631911	18.166	ng/u1	0.00
7) Phenol-d5	6.852	99	1059840	24.183	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	612357	23.888	ng/u1	0.00
11) 2-Chlorophenol-d4	7.217	132	868814	25.981	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	781316	21.870	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	439256	26.271	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	466233	26.995	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	809047	25.092	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	715280	14.941	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2253492	25.532	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2681487	26.422	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	275087	15.567	ng/u1	0.00
60) Fluorene-d10	15.322	176	1809697	24.233	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.446	200	106355	10.456	ng/u1	0.00
73) Anthracene-d10	17.169	188	2340606	27.018	ng/u1	0.00
81) Pyrene-d10	19.469	212	2130568	30.581	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	2064794	26.987	ng/u1	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.834	77	86642	4.215	ng/u1	97
30) Naphthalene	10.516	128	208330	1.841	ng/u1	98
36) 2-Methylnaphthalene	12.134	142	110201	1.425	ng/u1	100
37) 1-Methylnaphthalene	12.352	142	105262	1.356	ng/u1	95
50) Acenaphthylene	14.046	152	723588	6.309	ng/u1	100
52) Acenaphthene	14.387	153	293273	3.865	ng/u1	96
56) Dibenzofuran	14.722	168	262449	2.545	ng/u1	99
61) Fluorene	15.375	166	390662	4.705	ng/u1	99
72) Phenanthrene	17.116	178	6392814	62.017	ng/u1	98
74) Anthracene	17.204	178	1464028	14.016	ng/u1	98
77) Carbazole	17.475	167	578035	6.490	ng/u1	99
80) Fluoranthene	19.139	202	9480158	113.859	ng/u1	100
82) Pyrene	19.504	202	8560938	100.214	ng/u1	97
85) Benzo(a)anthracene	21.292	228	4823167	55.347	ng/u1	99
87) Chrysene	21.351	228	4850677	59.591	ng/u1	97
90) Benzo(b)fluoranthene	23.333	252	6481363	67.673	ng/u1	96
91) Benzo(k)fluoranthene	23.380	252	2279283	24.253	ng/u1	98
93) Benzo(a)pyrene	24.116	252	4724600	52.670	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.568	276	3504146	33.900	ng/u1	98
95) Dibenzo(a,h)anthracene	27.610	278	913001	10.819	ng/u1#	89
96) Benzo(g,h,i)perylene	28.610	276	3247073	39.517	ng/u1	98

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

Instrument :

BNA_N

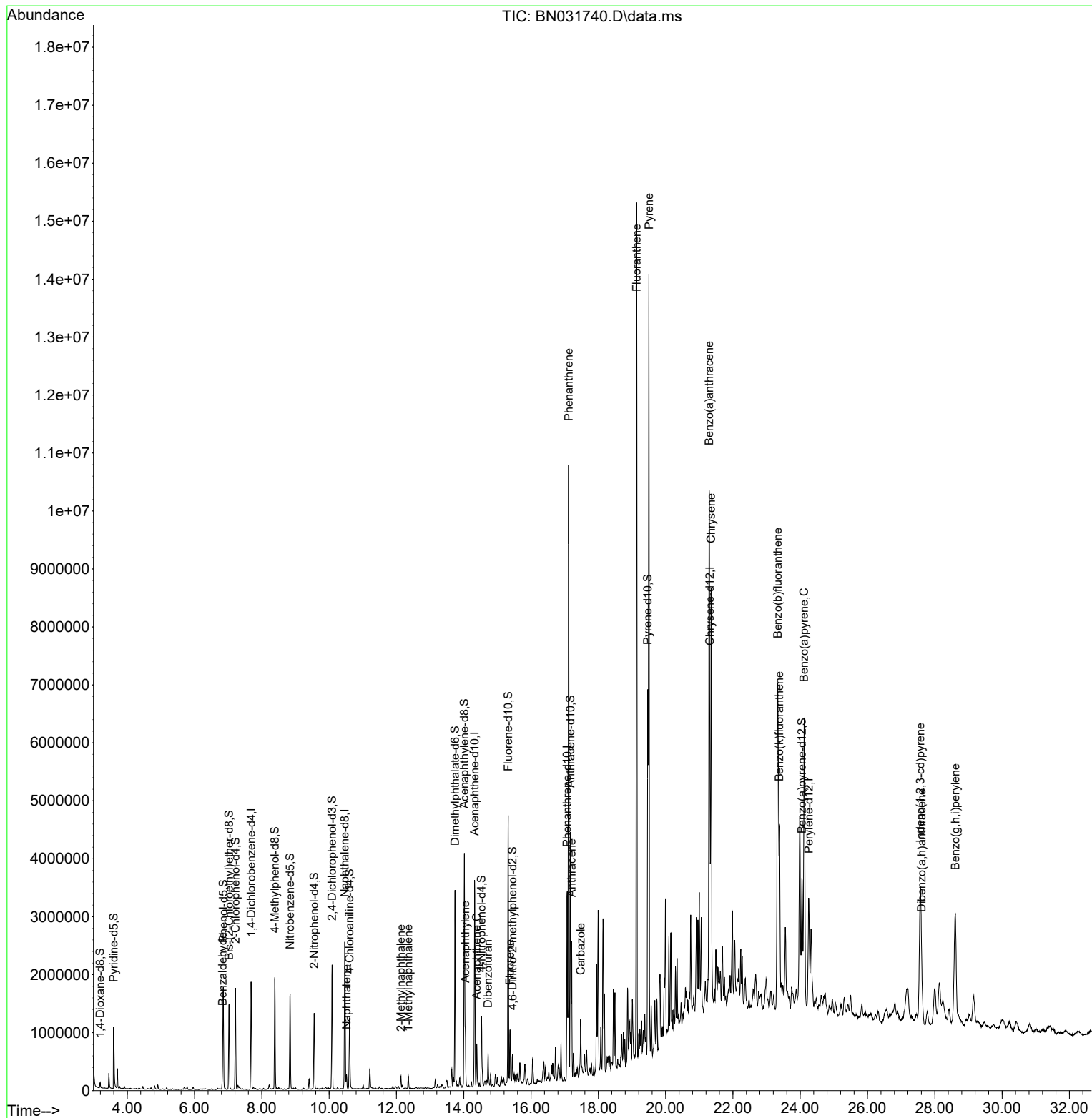
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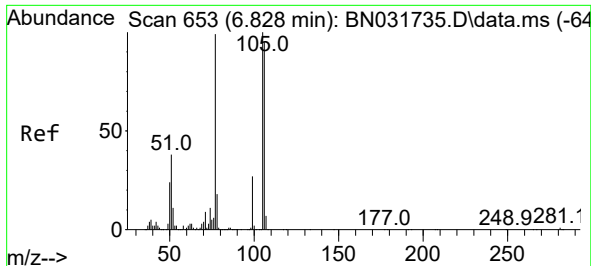
BHBN2

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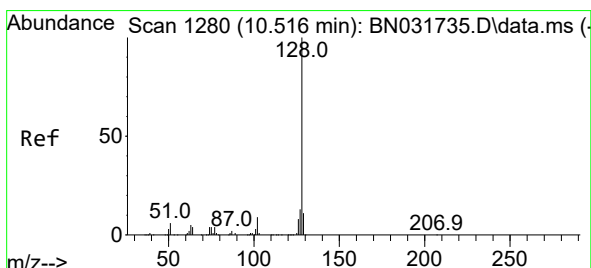
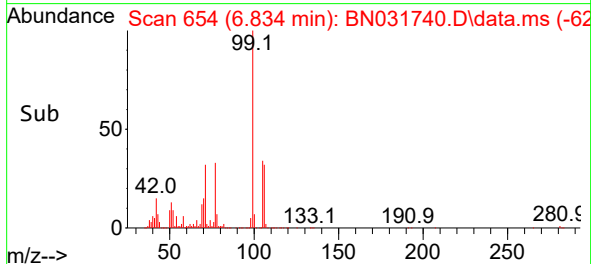
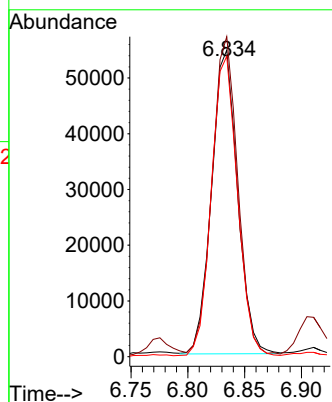
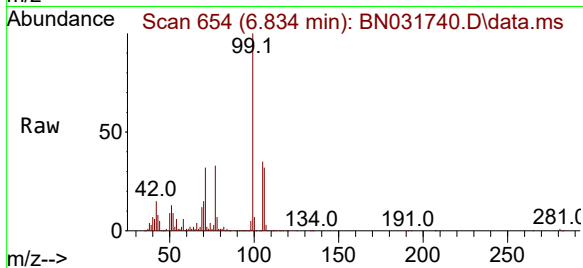




#6
Benzaldehyde
Concen: 4.215 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

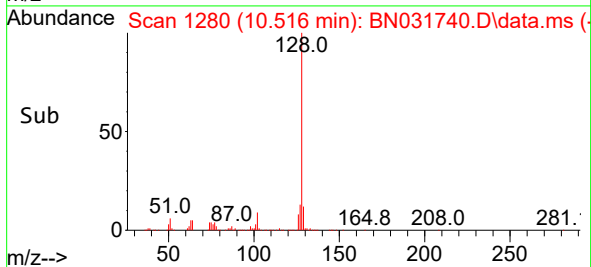
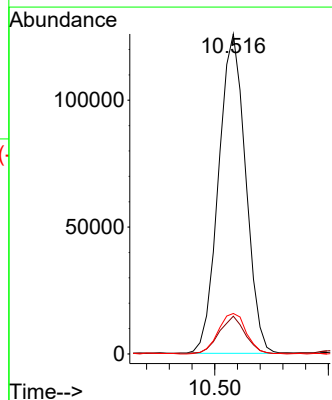
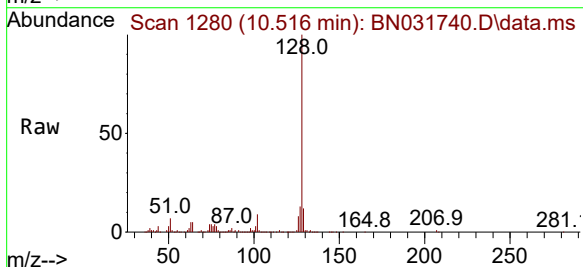
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BNA_N
ClientSampleId :
BHBN2

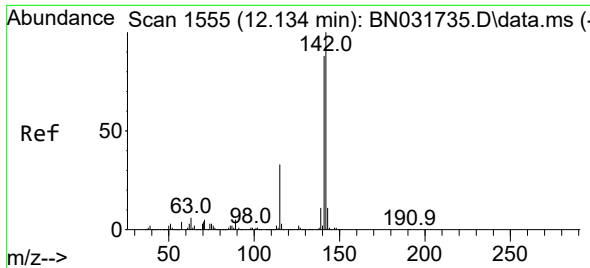
Tgt Ion: 77 Resp: 86642
Ion Ratio Lower Upper
77 100
105 104.4 80.2 120.4
106 98.0 76.8 115.2



#30
Naphthalene
Concen: 1.841 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

Tgt Ion:128 Resp: 208330
Ion Ratio Lower Upper
128 100
129 11.8 8.5 12.7
127 12.6 10.3 15.5

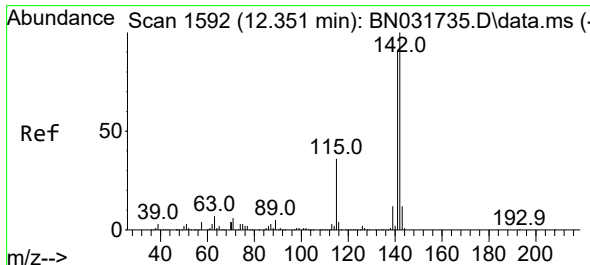
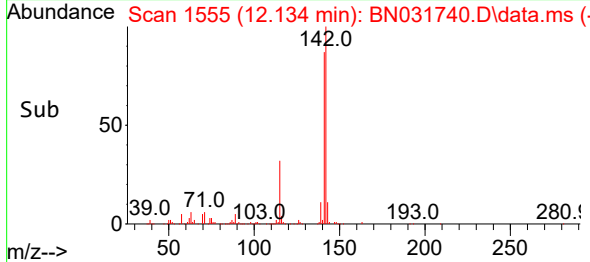
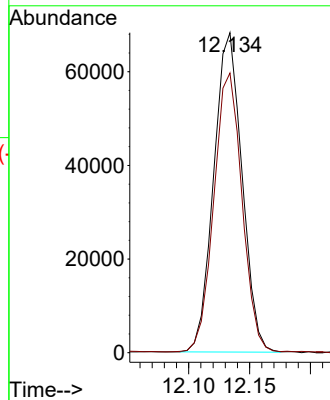
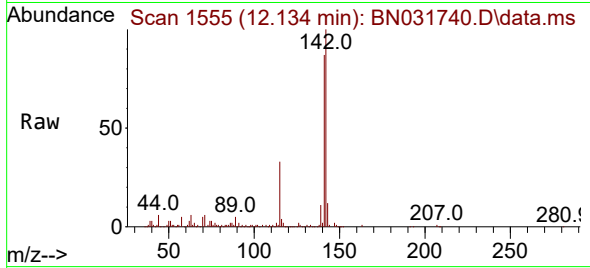




#36
2-Methylnaphthalene
Concen: 1.425 ng/ul
RT: 12.134 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

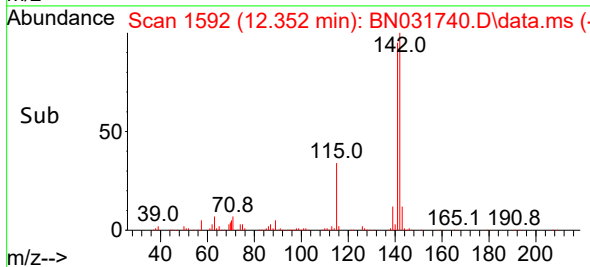
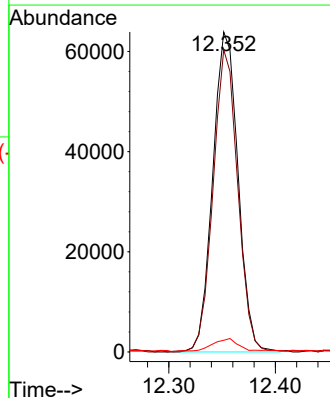
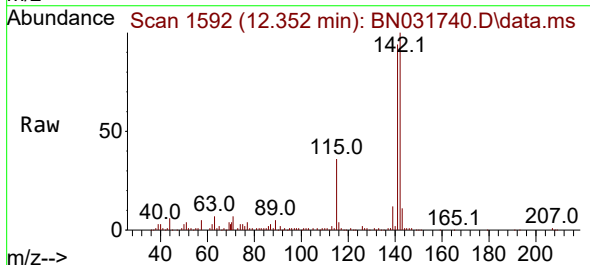
Instrument :
BNA_N
ClientSampleId :
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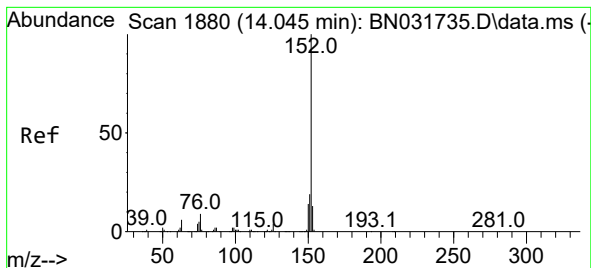
Tgt Ion:142 Resp: 110201
Ion Ratio Lower Upper
142 100
141 87.4 70.1 105.1



#37
1-Methylnaphthalene
Concen: 1.356 ng/ul
RT: 12.352 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

Tgt Ion:142 Resp: 105262
Ion Ratio Lower Upper
142 100
141 94.4 71.7 107.5
116 3.7 3.0 4.4





#50

Acenaphthylene

Concen: 6.309 ng/ul

RT: 14.046 min Scan# 1880

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

Instrument :

BNA_N

ClientSampleId :

BHBN2

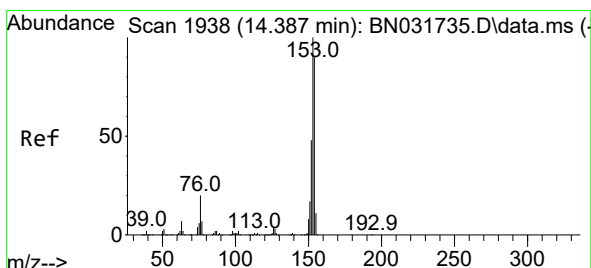
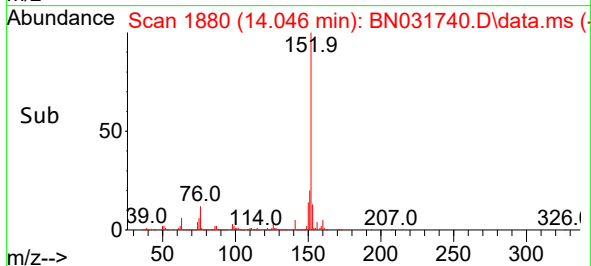
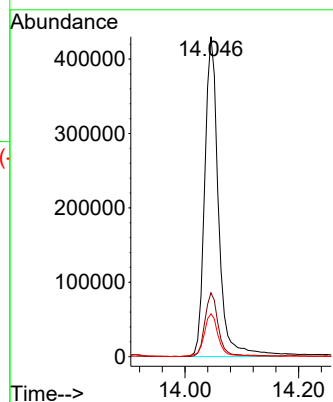
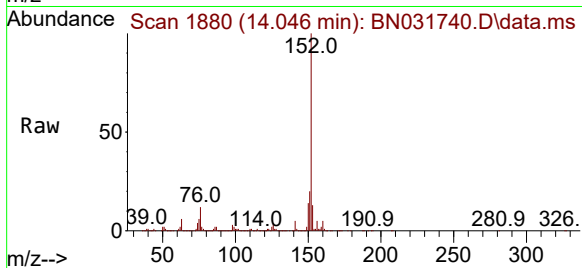
Tgt Ion:152 Resp: 723588

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.4 10.4 15.6



#52

Acenaphthene

Concen: 3.865 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

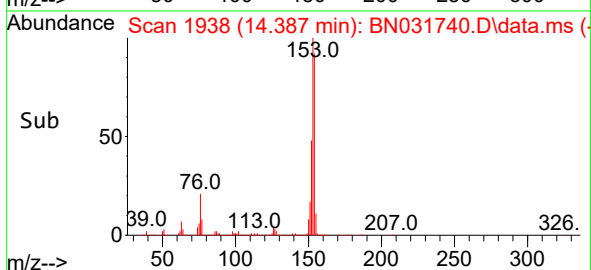
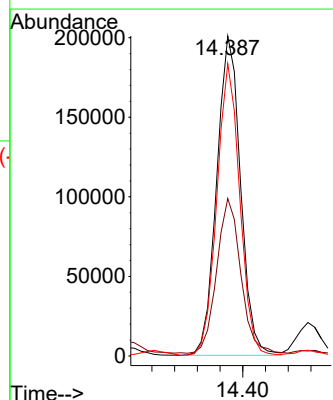
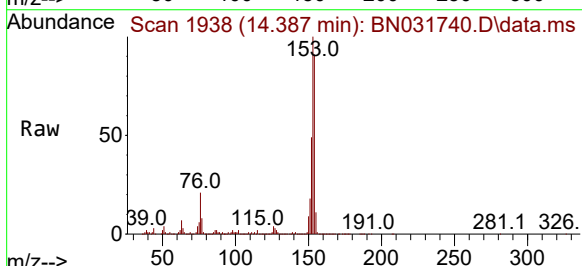
Tgt Ion:153 Resp: 293273

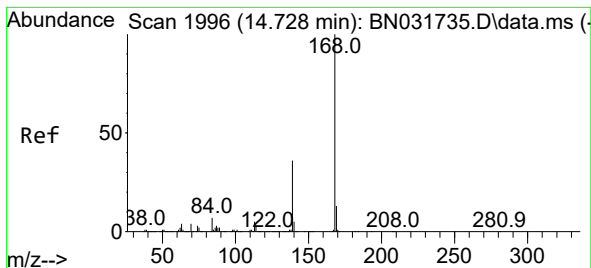
Ion Ratio Lower Upper

153 100

152 49.2 37.8 56.6

154 91.4 69.8 104.8

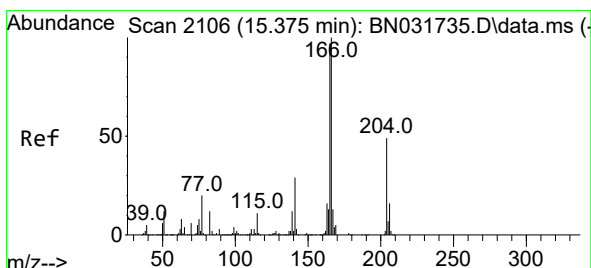
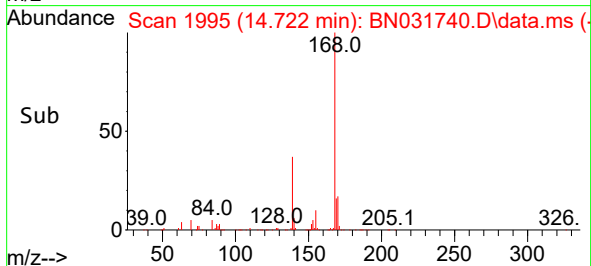
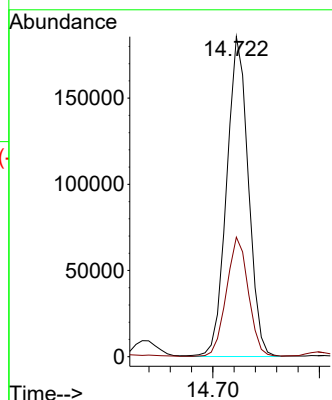
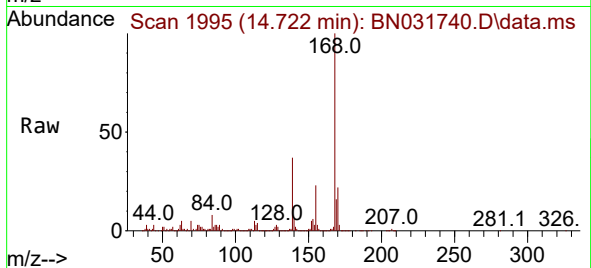




#56
Dibenzenofuran
Concen: 2.545 ng/ul
RT: 14.722 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

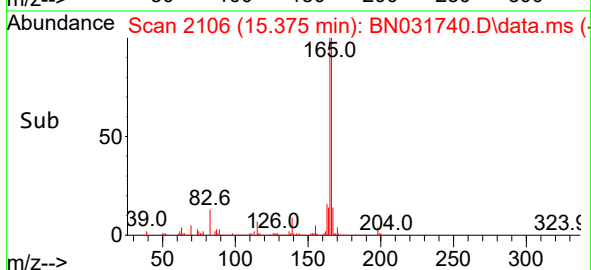
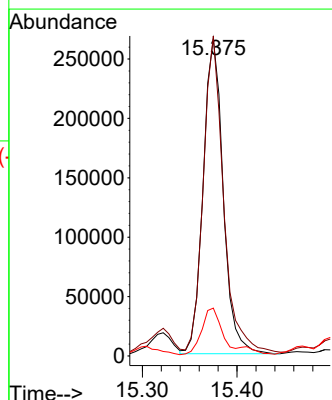
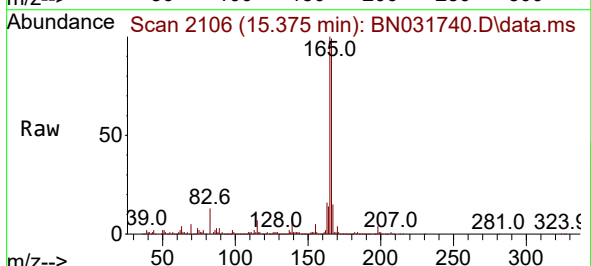
Instrument :
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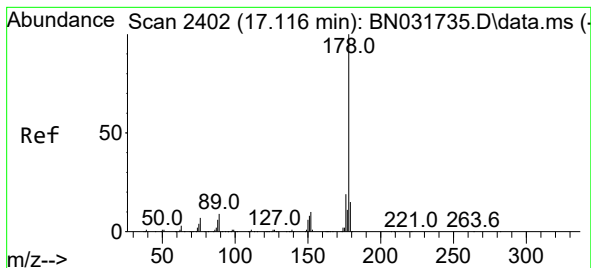
Tgt Ion:168 Resp: 262449
Ion Ratio Lower Upper
168 100
139 37.3 29.4 44.0



#61
Fluorene
Concen: 4.705 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN031740.D
Acq: 31 May 2024 13:41

Tgt Ion:166 Resp: 390662
Ion Ratio Lower Upper
166 100
165 100.9 80.3 120.5
167 15.1 11.3 16.9





#72

Phenanthrene

Concen: 62.017 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

Instrument :

BNA_N

ClientSampleId :

BHBN2

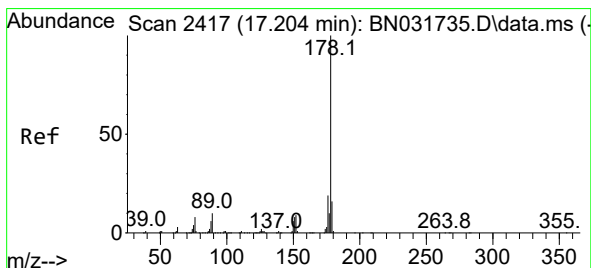
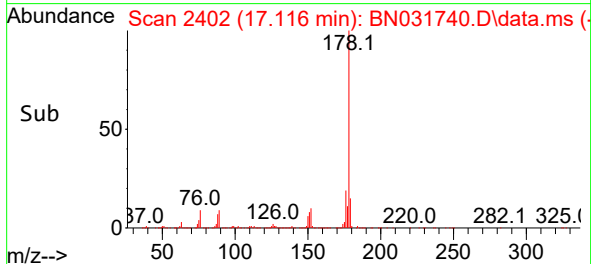
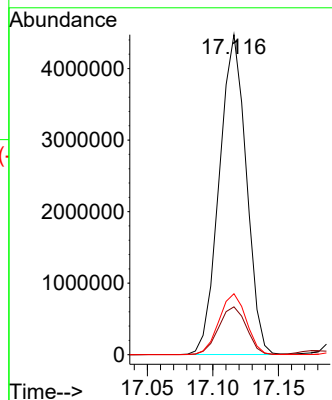
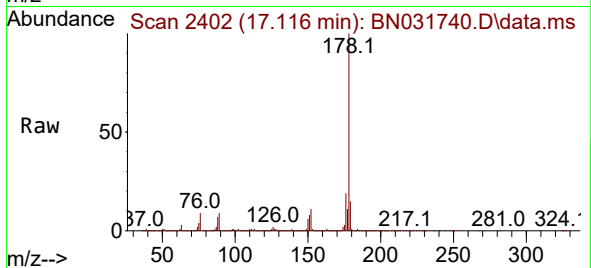
Tgt Ion:178 Resp: 6392814

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

176 19.1 15.8 23.6



#74

Anthracene

Concen: 14.016 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

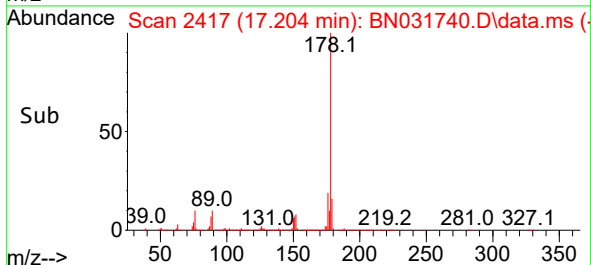
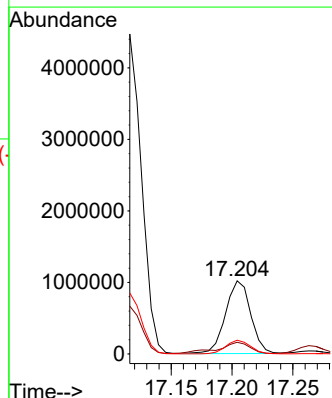
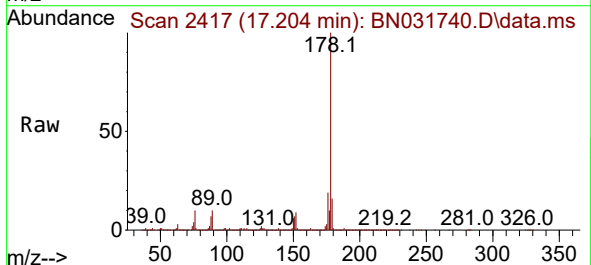
Tgt Ion:178 Resp: 1464028

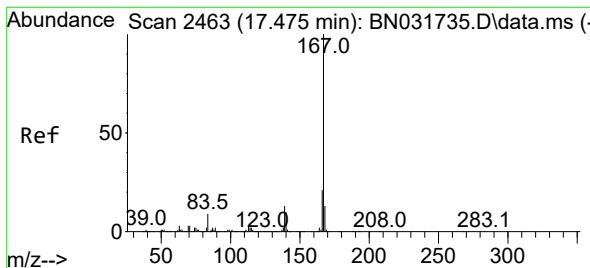
Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.6

176 18.9 14.8 22.2





#77

Carbazole

Concen: 6.490 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

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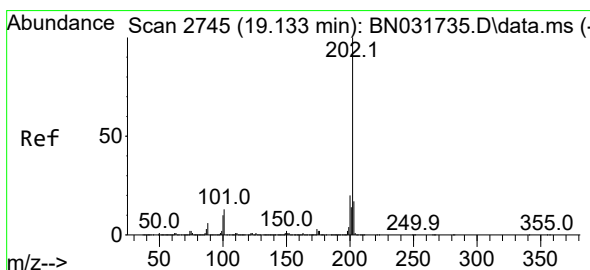
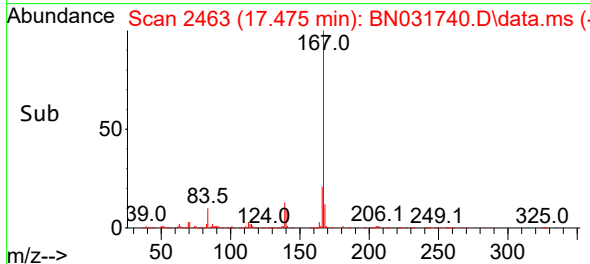
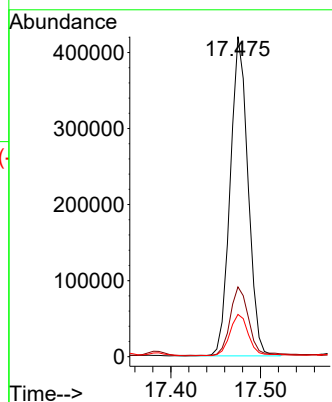
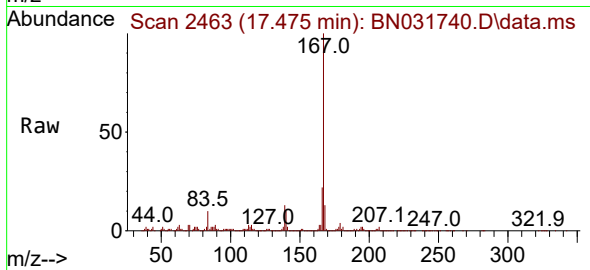
Tgt Ion:167 Resp: 578035

Ion Ratio Lower Upper

167 100

166 21.8 17.9 26.9

139 13.2 10.5 15.7



#80

Fluoranthene

Concen: 113.859 ng/ul

RT: 19.139 min Scan# 2746

Delta R.T. 0.006 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

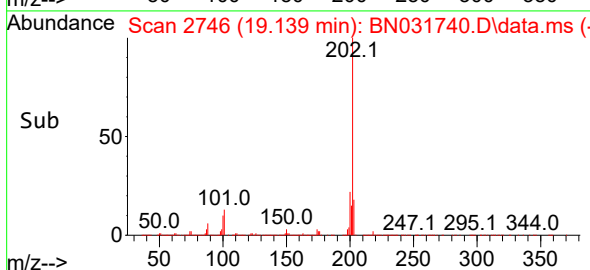
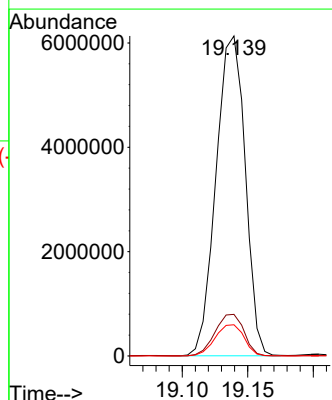
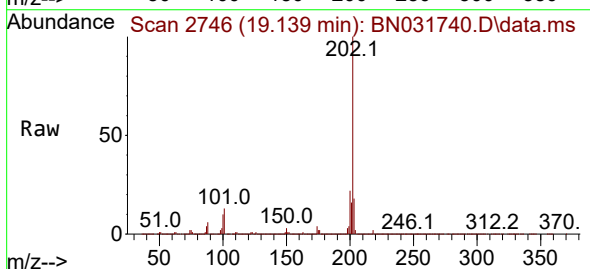
Tgt Ion:202 Resp: 9480158

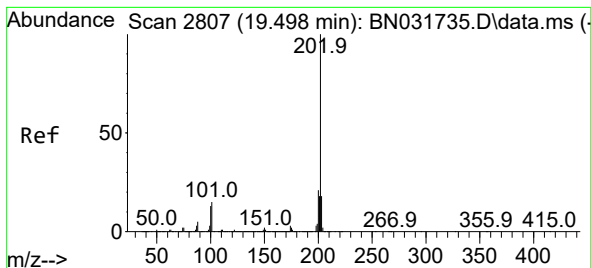
Ion Ratio Lower Upper

202 100

101 13.0 10.3 15.5

100 9.8 8.0 12.0





#82

Pyrene

Concen: 100.214 ng/ul

RT: 19.504 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN031740.D

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BHBN2

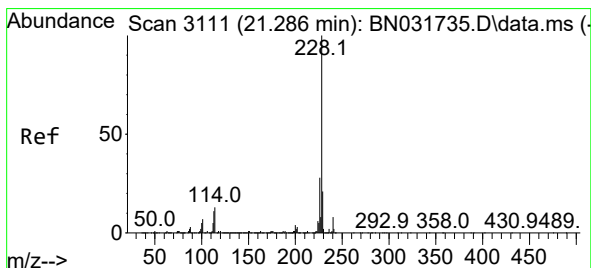
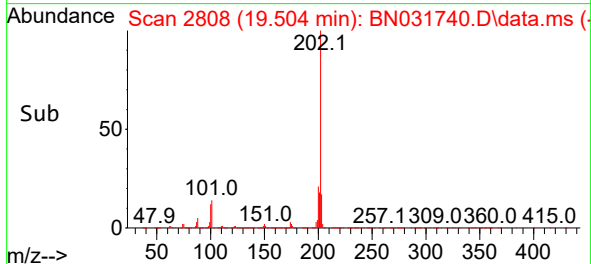
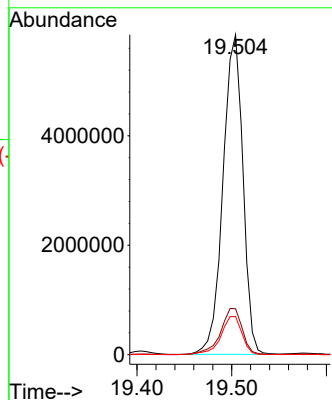
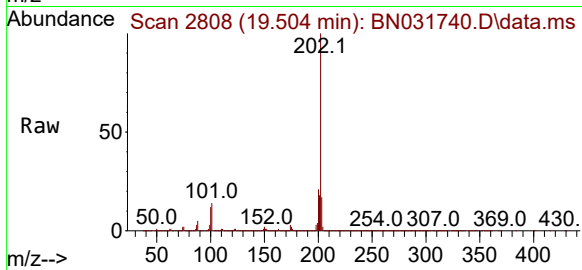
Tgt Ion:202 Resp: 8560938

Ion Ratio Lower Upper

202 100

101 14.4 12.6 18.8

100 11.9 10.2 15.2



#85

Benzo(a)anthracene

Concen: 55.347 ng/ul

RT: 21.292 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

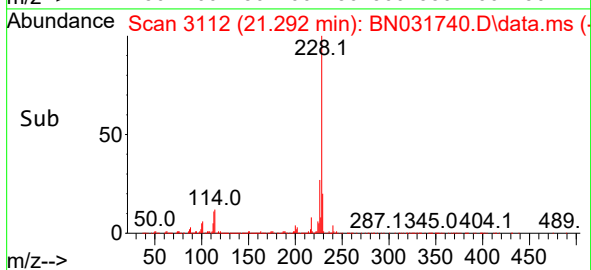
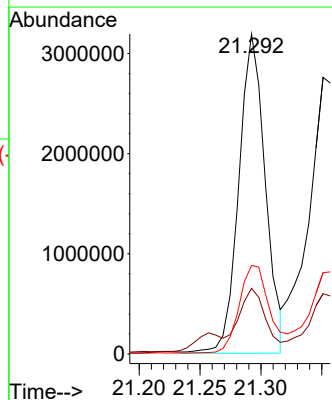
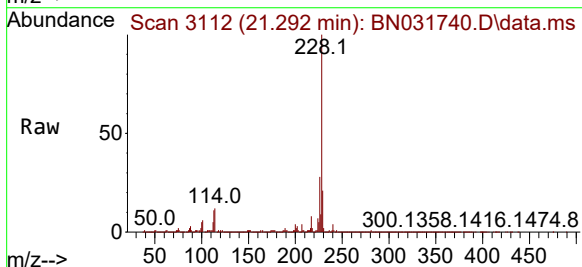
Tgt Ion:228 Resp: 4823167

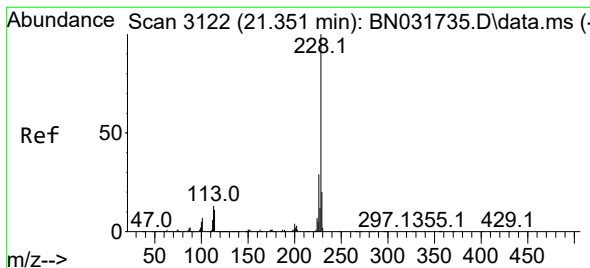
Ion Ratio Lower Upper

228 100

229 20.5 16.7 25.1

226 27.6 22.8 34.2





#87

Chrysene

Concen: 59.591 ng/ul

RT: 21.351 min Scan# 3122

Delta R.T. 0.000 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

Instrument :

BNA_N

ClientSampleId :

BHBN2

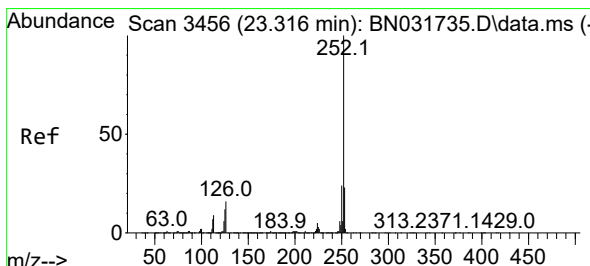
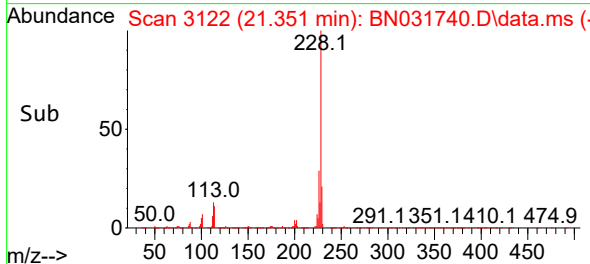
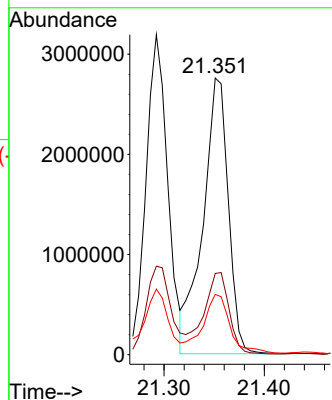
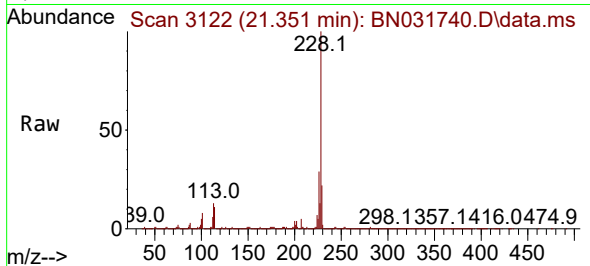
Tgt Ion:228 Resp: 4850677

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 21.8 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 67.673 ng/ul

RT: 23.333 min Scan# 3459

Delta R.T. 0.024 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

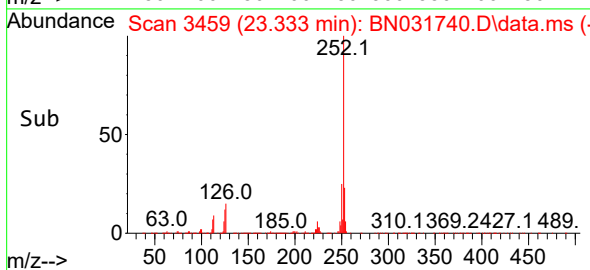
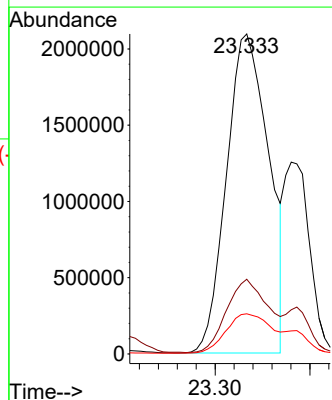
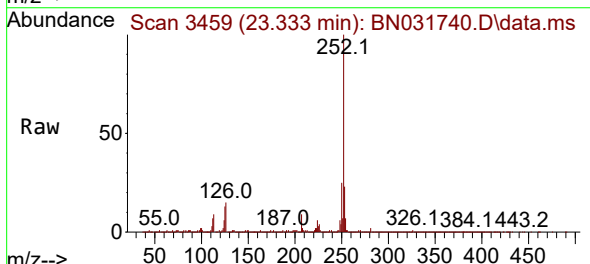
Tgt Ion:252 Resp: 6481363

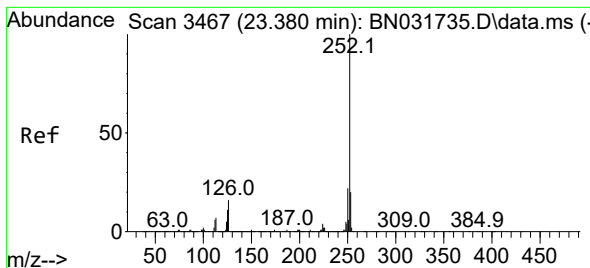
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 12.6 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 24.253 ng/ul

RT: 23.380 min Scan# 3467

Delta R.T. 0.006 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

Instrument :

BNA_N

ClientSampleId :

BHBN2

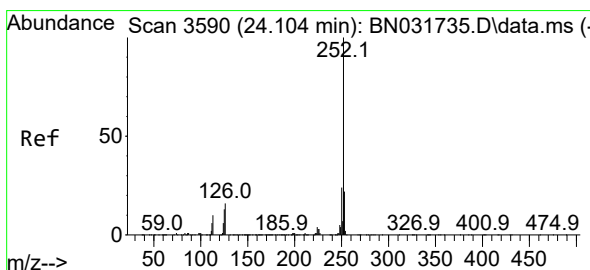
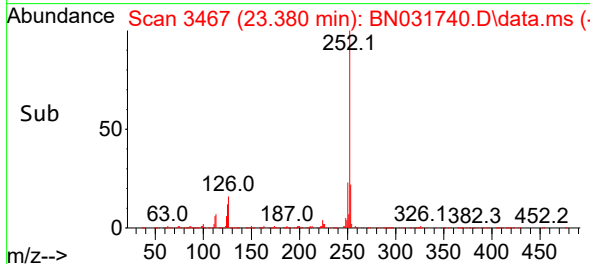
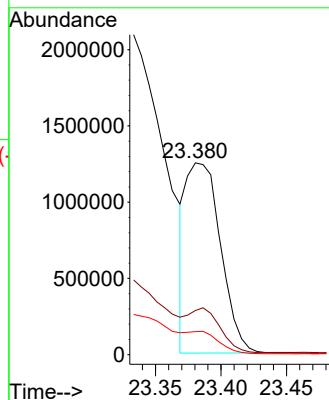
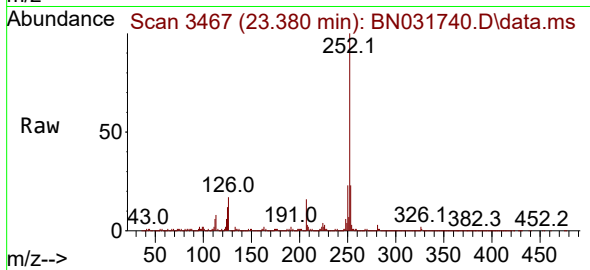
Tgt Ion:252 Resp: 2279283

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 12.0 9.4 14.2



#93

Benzo(a)pyrene

Concen: 52.670 ng/ul

RT: 24.116 min Scan# 3592

Delta R.T. 0.012 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

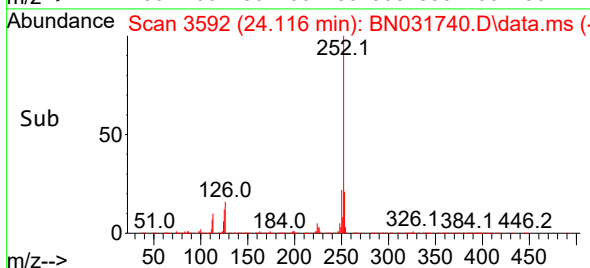
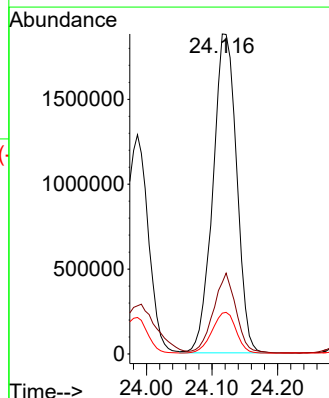
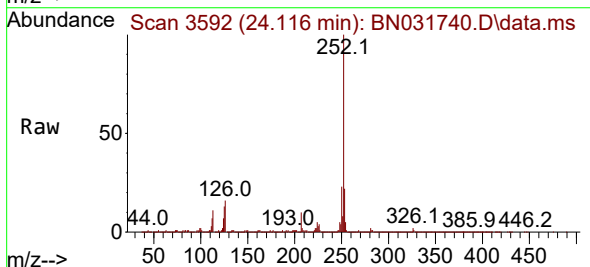
Tgt Ion:252 Resp: 4724600

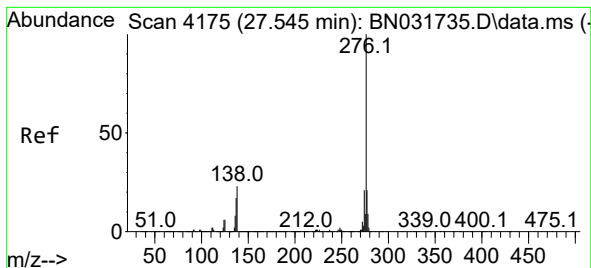
Ion Ratio Lower Upper

252 100

253 22.4 16.6 24.8

125 12.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 33.900 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. 0.035 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

Instrument :

BNA_N

ClientSampleId :

BHBN2

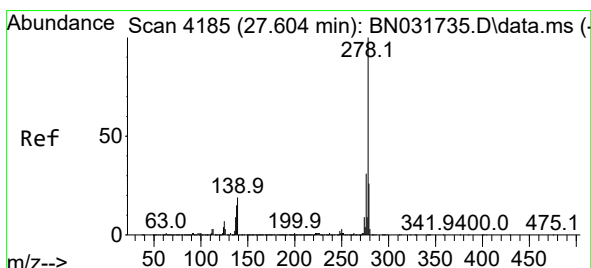
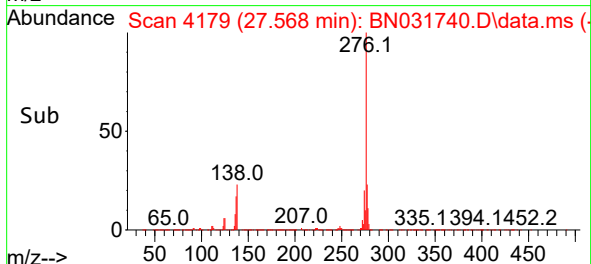
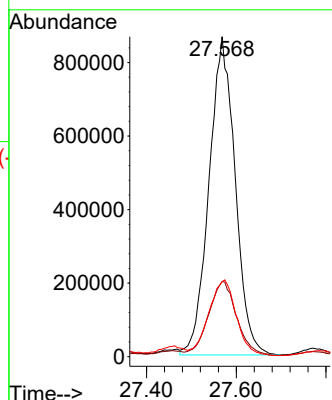
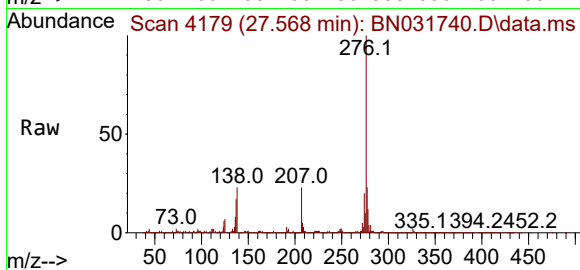
Tgt Ion:276 Resp: 3504146

Ion Ratio Lower Upper

276 100

138 23.5 18.1 27.1

277 23.4 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 10.819 ng/ul

RT: 27.610 min Scan# 4186

Delta R.T. 0.006 min

Lab File: BN031740.D

Acq: 31 May 2024 13:41

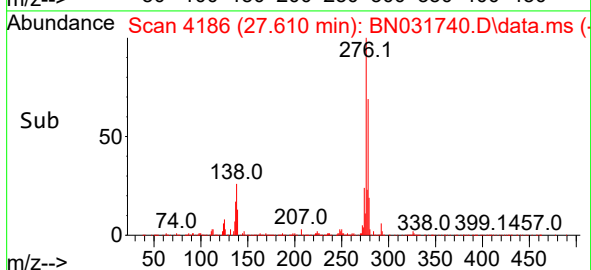
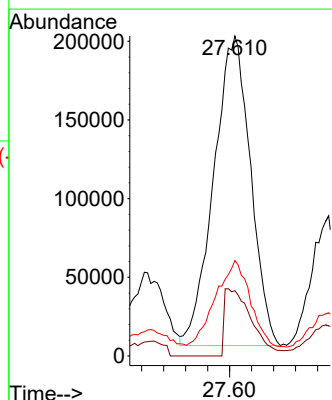
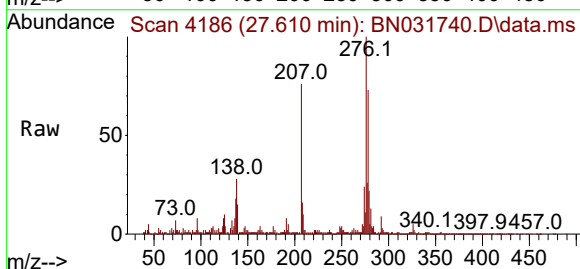
Tgt Ion:278 Resp: 913001

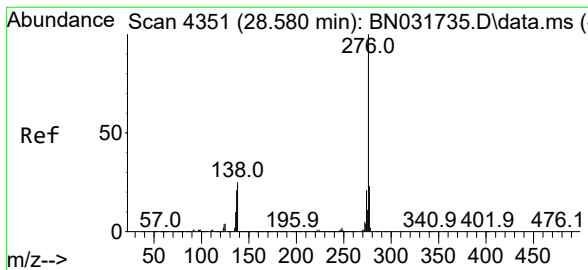
Ion Ratio Lower Upper

278 100

139 20.4 15.0 22.6

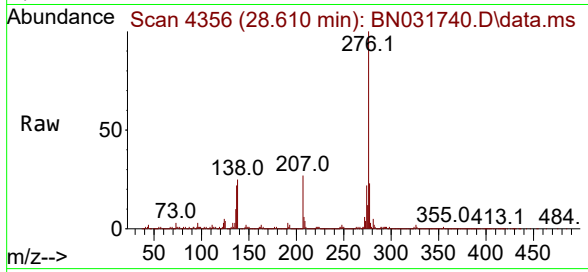
279 29.8 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 39.517 ng/ul
 RT: 28.610 min Scan# 41
 Delta R.T. 0.041 min
 Lab File: BN031740.D
 Acq: 31 May 2024 13:41

Instrument :
 BNA_N
 ClientSampleId :
 BHBN2



Tgt Ion:276 Resp: 3247073

Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.9	31.3
277	23.3	18.0	27.0

