

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060324\
 Data File : BN031765.D
 Acq On : 03 Jun 2024 18:36
 Operator : MA/JU
 Sample : P2549-13DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH629DL

Quant Time: Jun 04 01:19:45 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	270326	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	1213587	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	731805	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1312041	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	718366	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	824153	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	29552	4.523	ng/uL	0.00
4) Pyridine-d5	3.599	84	327262	17.792	ng/u1	0.00
7) Phenol-d5	6.852	99	633608	27.341	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	348715	25.725	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	497170	28.116	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	487096	25.785	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	252027	27.161	ng/u1	0.00
24) 2-Nitrophenol-d4	9.551	143	262978	27.436	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	477779	26.700	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	487718	18.357	ng/u1	0.00
46) Dimethylphthalate-d6	13.739	166	1417565	27.805	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	1647274	28.100	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	198243	19.421	ng/u1	0.00
60) Fluorene-d10	15.316	176	1192437	27.643	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	62642	9.498	ng/u1	0.00
73) Anthracene-d10	17.169	188	1607213	28.613	ng/u1	0.00
81) Pyrene-d10	19.469	212	1485743	38.650	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	1119090	28.437	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.516	128	81706	1.301	ng/u1	100
50) Acenaphthylene	14.045	152	112370	1.696	ng/u1	96
52) Acenaphthene	14.386	153	210316	4.798	ng/u1	99
56) Dibenzofuran	14.722	168	175876	2.953	ng/u1	95
61) Fluorene	15.375	166	209183	4.362	ng/u1	97
66) 4,6-Dinitro-2-methylph...	15.381	198	9147	1.305	ng/u1	95
72) Phenanthrene	17.116	178	4011211	60.015	ng/u1	99
74) Anthracene	17.204	178	858729	12.680	ng/u1	99
77) Carbazole	17.475	167	382408	6.622	ng/u1	98
80) Fluoranthene	19.133	202	5236536	113.984	ng/u1	99
82) Pyrene	19.498	202	4385535	93.041	ng/u1	99
83) Butylbenzylphthalate	20.404	149	77020	3.460	ng/u1	91
85) Benzo(a)anthracene	21.286	228	1953956	40.637	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.221	149	235374	7.253	ng/u1	98
87) Chrysene	21.351	228	1908075	42.484	ng/u1	99
90) Benzo(b)fluoranthene	23.321	252	2253599	45.748	ng/u1	99
91) Benzo(k)fluoranthene	23.321	252	2253599	46.621	ng/u1	99
93) Benzo(a)pyrene	24.110	252	1662721	36.038	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.551	276	1147502	21.583	ng/u1	97
95) Dibenzo(a,h)anthracene	27.580	278	127890	2.946	ng/u1#	73
96) Benzo(g,h,i)perylene	28.580	276	1065096	25.201	ng/u1	96

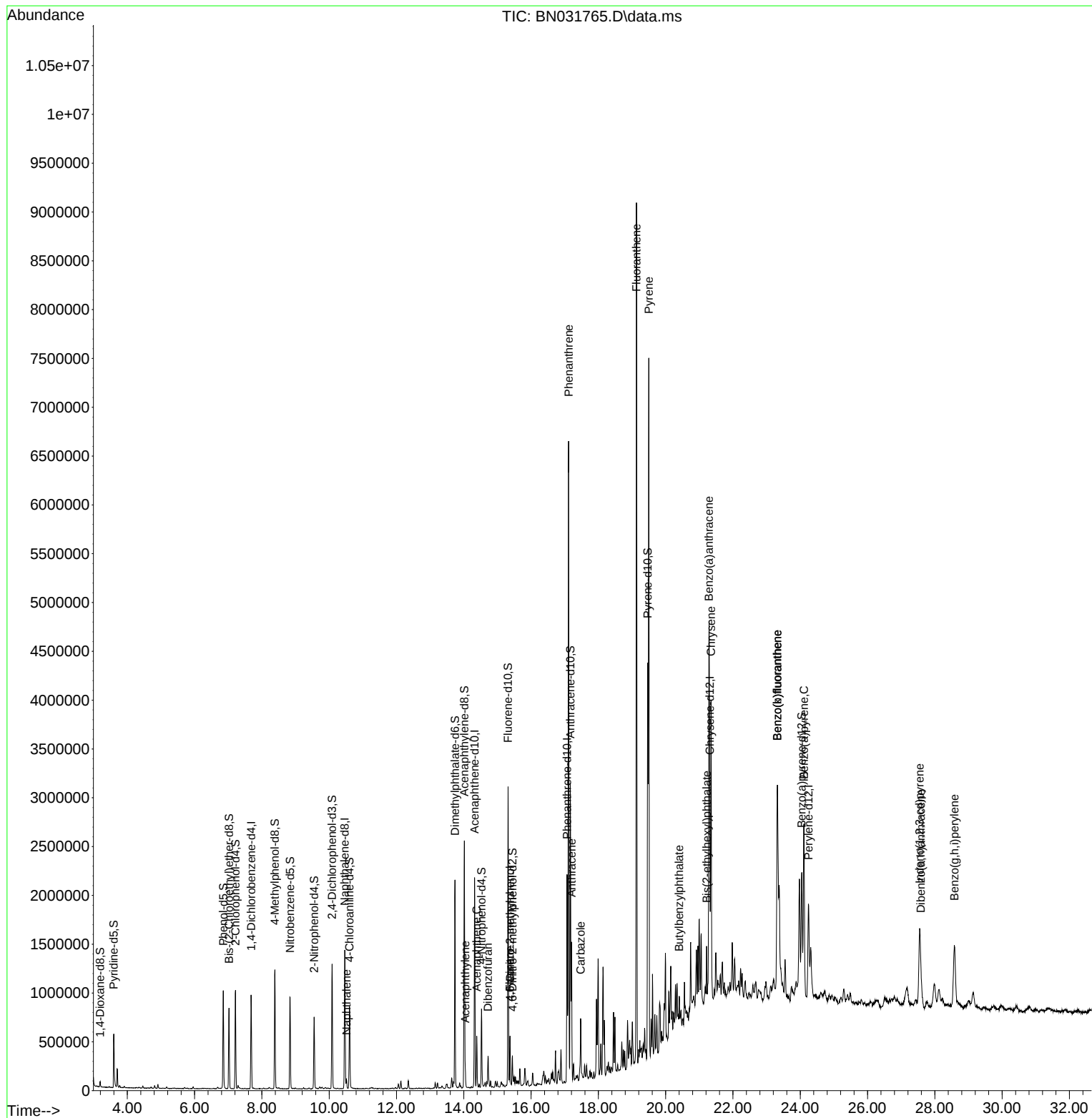
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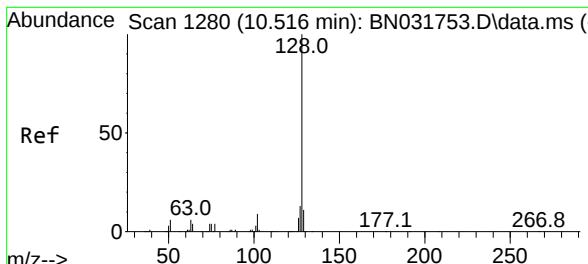
Instrument :
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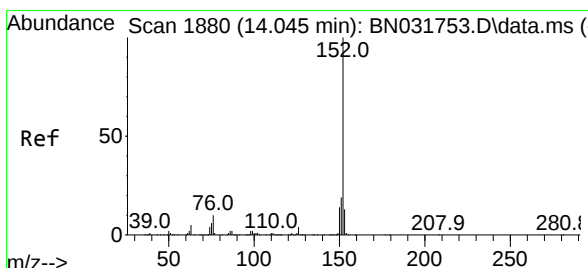
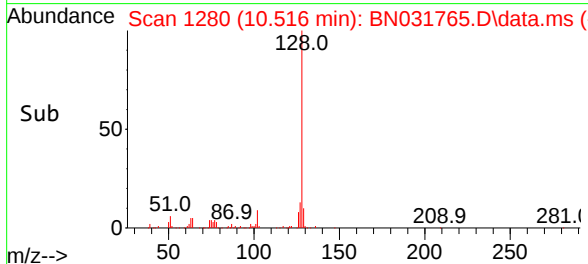
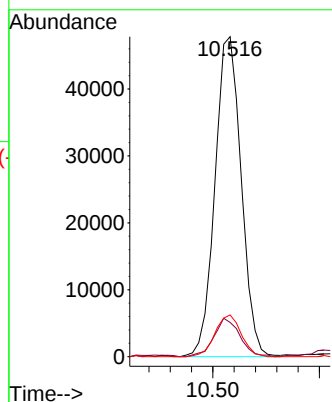
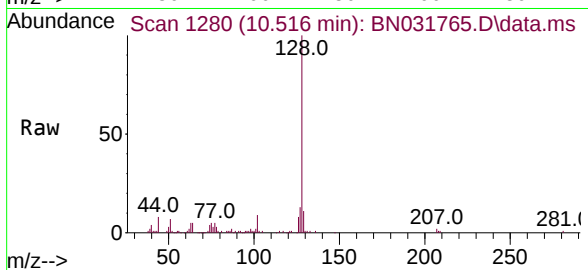




#30
Naphthalene
Concen: 1.301 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

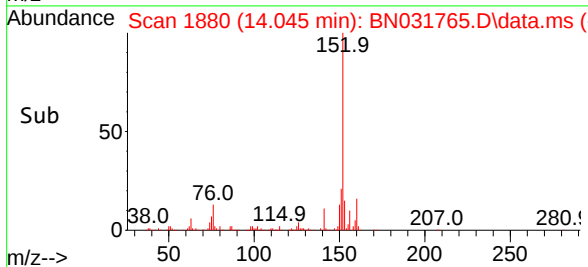
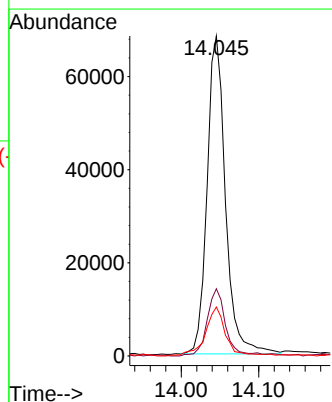
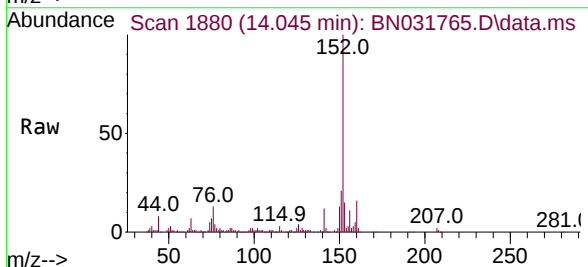
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BNA_N
ClientSampleId :
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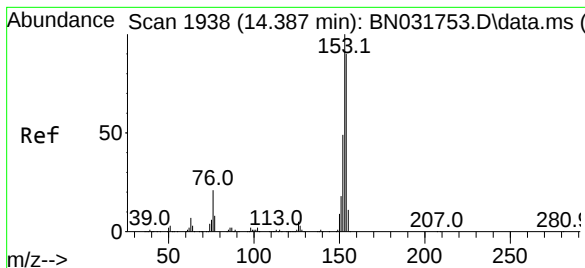
Tgt Ion:	128	Resp:	81706
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.0	10.3	15.5



#50
Acenaphthylene
Concen: 1.696 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

Tgt Ion:	152	Resp:	112370
Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.9	23.9
153	15.3	10.4	15.6





#52

Acenaphthene

Concen: 4.798 ng/ul

RT: 14.386 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

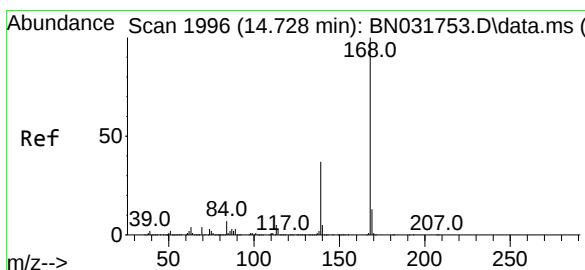
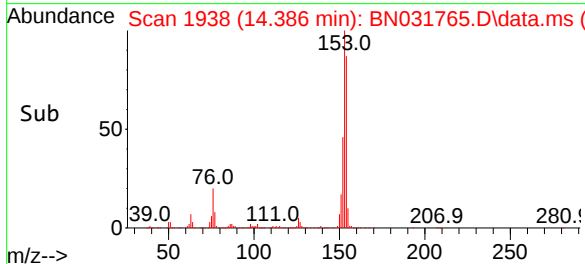
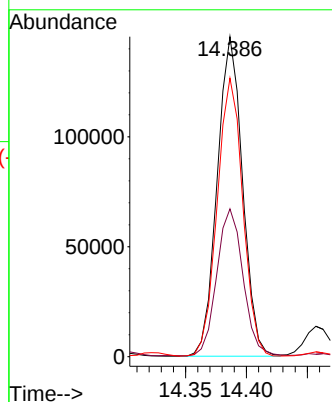
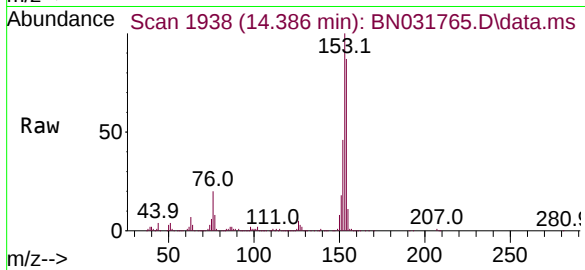
Tgt Ion:153 Resp: 210316

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.6

154 87.1 69.8 104.8



#56

Dibenzofuran

Concen: 2.953 ng/ul

RT: 14.722 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BN031765.D

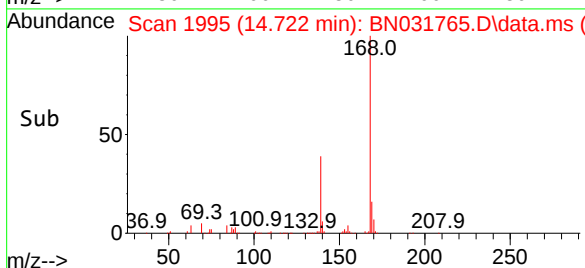
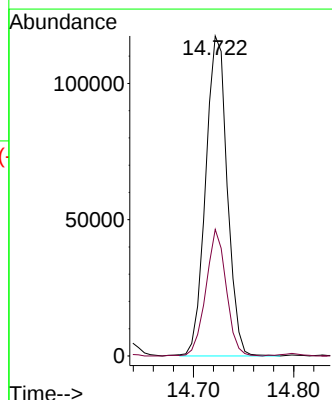
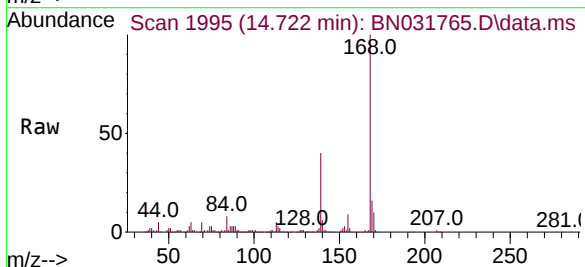
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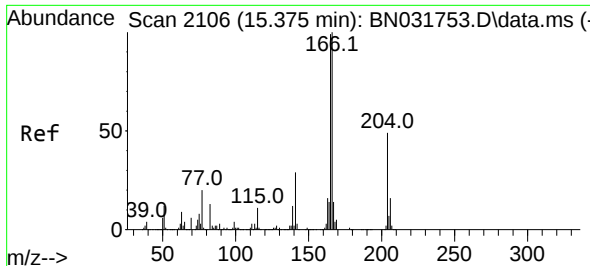
Tgt Ion:168 Resp: 175876

Ion Ratio Lower Upper

168 100

139 39.6 29.4 44.0

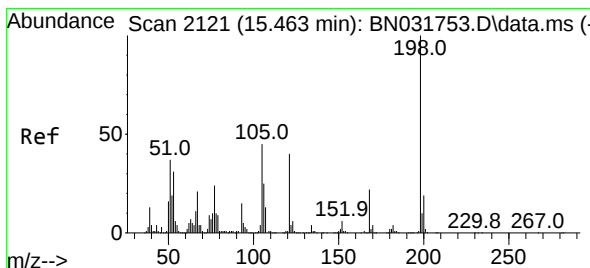
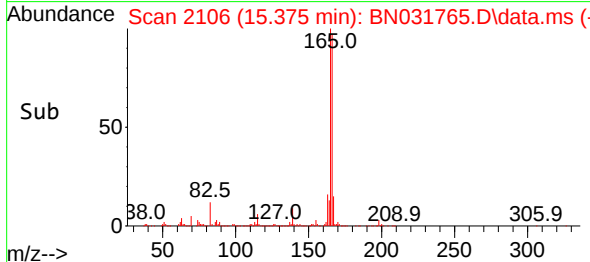
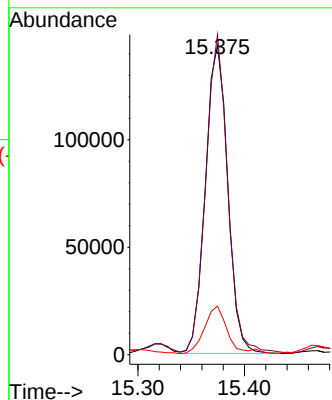
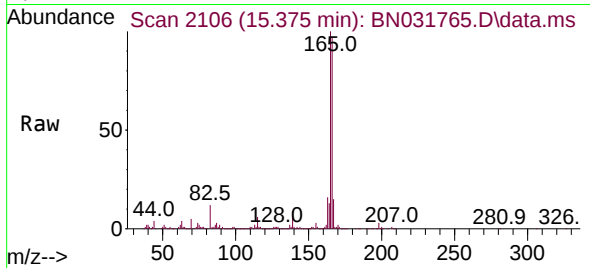




#61
Fluorene
Concen: 4.362 ng/ul
RT: 15.375 min Scan# 2107
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

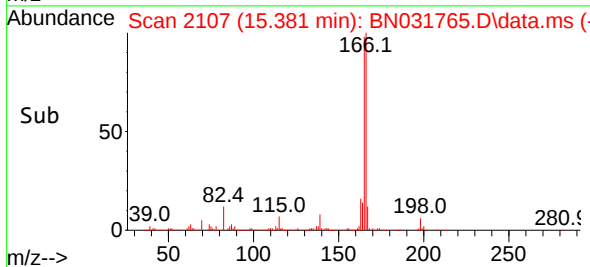
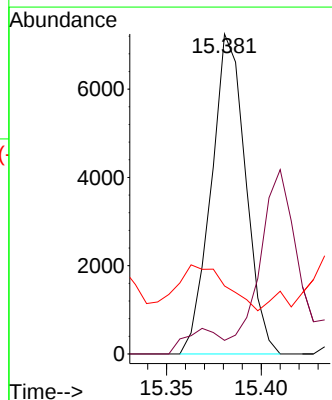
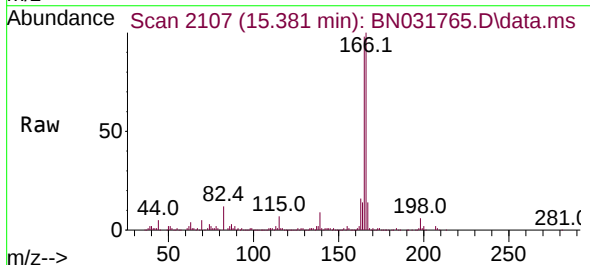
Instrument :
BNA_N
ClientSampleId :
BH629DL

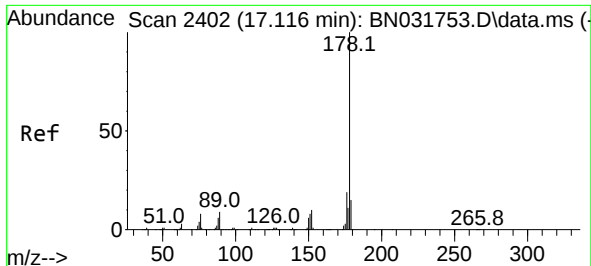
Tgt Ion:166 Resp: 209183
Ion Ratio Lower Upper
166 100
165 103.4 80.3 120.5
167 15.7 11.3 16.9



#66
4,6-Dinitro-2-methylphenol
Concen: 1.305 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. -0.077 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

Tgt Ion:198 Resp: 9147
Ion Ratio Lower Upper
198 100
182 4.2 3.0 4.6
77 21.3 19.4 29.2

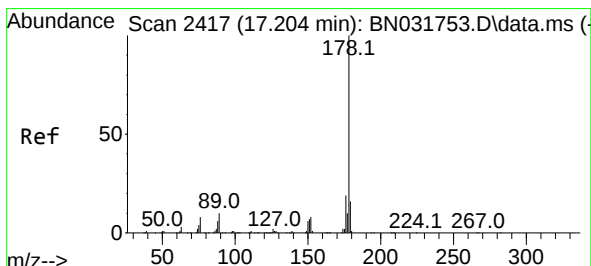
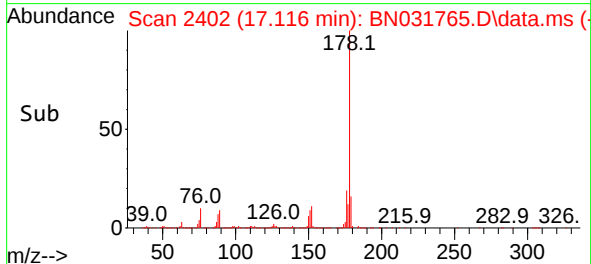
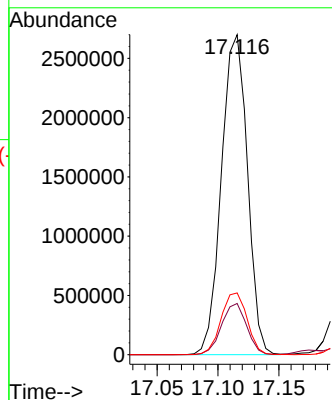
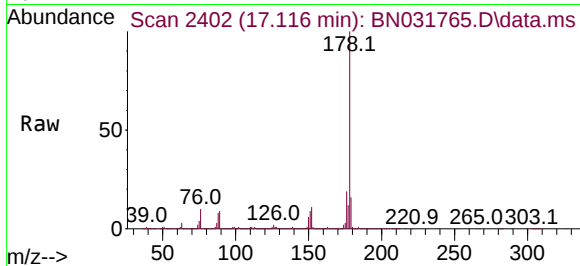




#72
Phenanthrene
Concen: 60.015 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

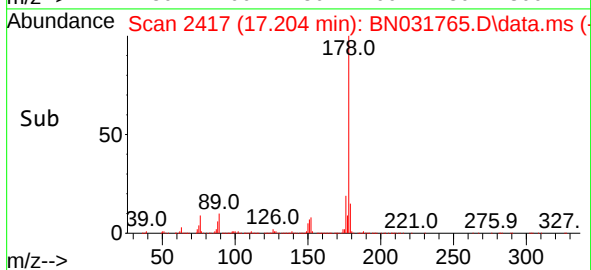
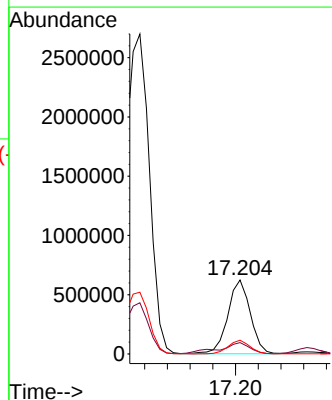
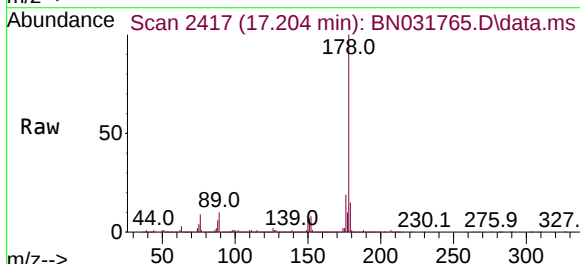
Instrument :
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BH629DL

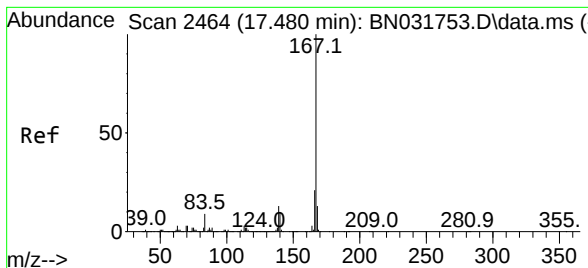
Tgt Ion:178 Resp: 4011211
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.3 15.8 23.6



#74
Anthracene
Concen: 12.680 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

Tgt Ion:178 Resp: 858729
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.6
176 18.7 14.8 22.2





#77

Carbazole

Concen: 6.622 ng/ul

RT: 17.475 min Scan# 2464

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

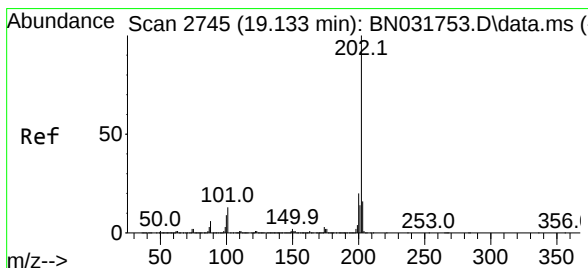
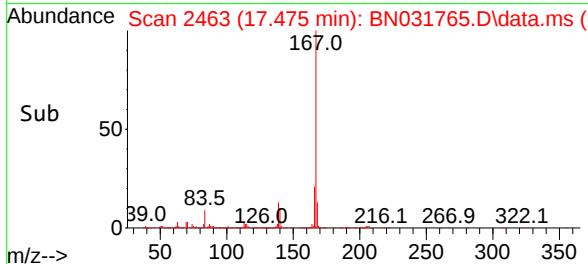
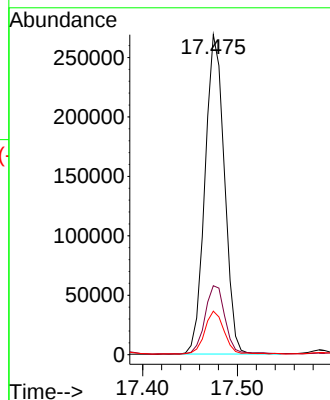
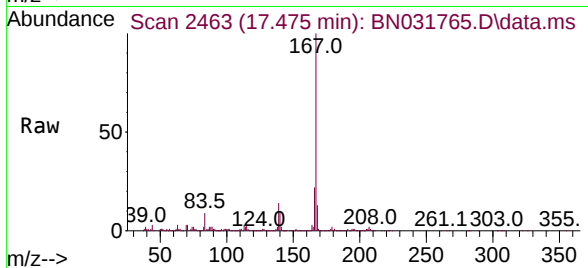
Tgt Ion:167 Resp: 382408

Ion Ratio Lower Upper

167 100

166 21.6 17.9 26.9

139 13.6 10.5 15.7



#80

Fluoranthene

Concen: 113.984 ng/ul

RT: 19.133 min Scan# 2745

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

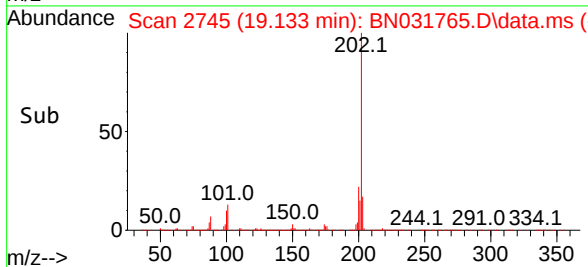
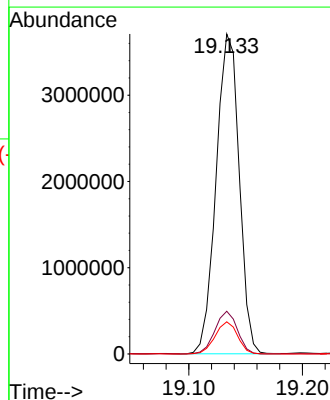
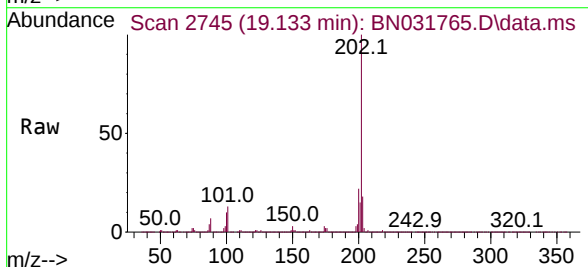
Tgt Ion:202 Resp: 5236536

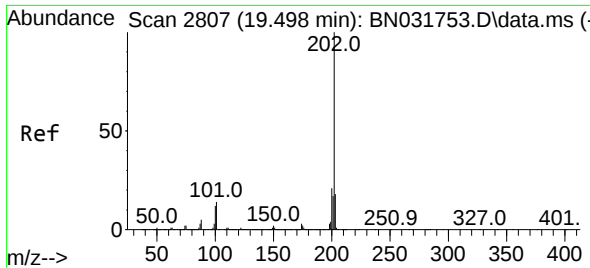
Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

100 10.1 8.0 12.0

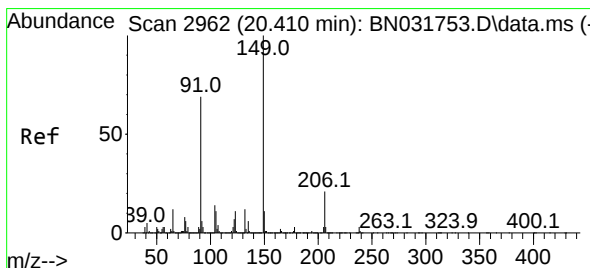
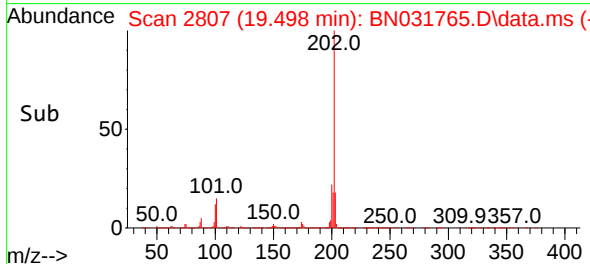
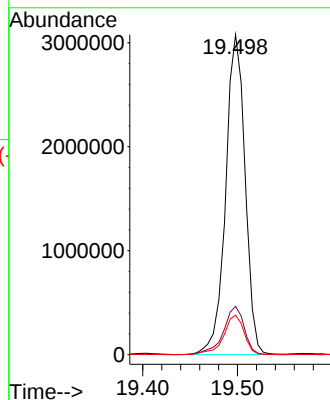
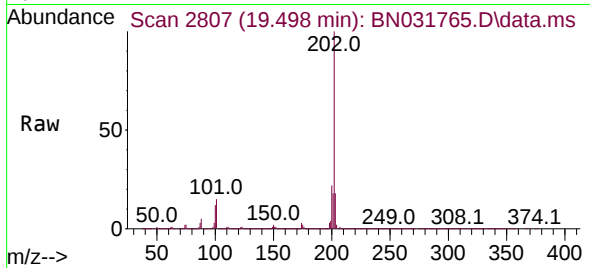




#82
Pyrene
Concen: 93.041 ng/ul
RT: 19.498 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

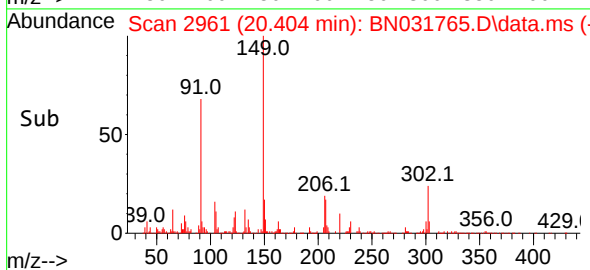
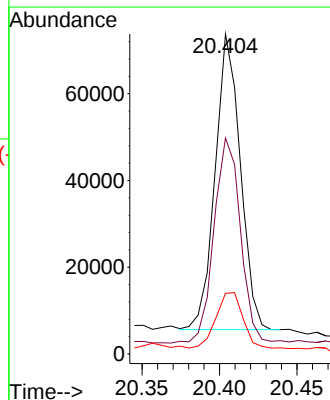
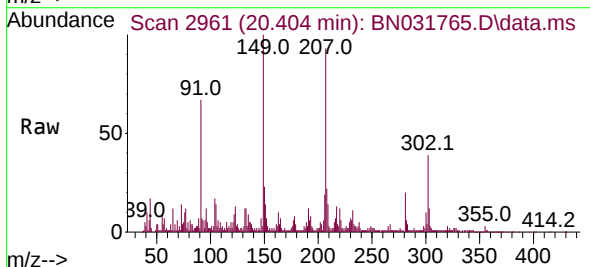
Instrument :
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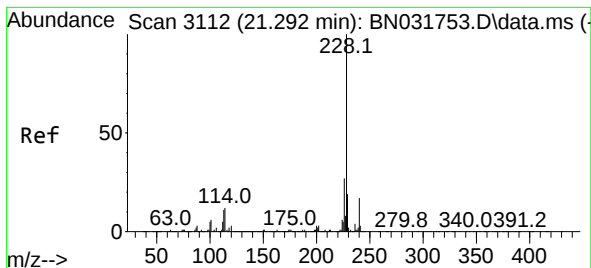
Tgt Ion:202 Resp: 4385535
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.4 10.2 15.2



#83
Butylbenzylphthalate
Concen: 3.460 ng/ul
RT: 20.404 min Scan# 2961
Delta R.T. -0.000 min
Lab File: BN031765.D
Acq: 03 Jun 2024 18:36

Tgt Ion:149 Resp: 77020
Ion Ratio Lower Upper
149 100
91 67.5 61.0 91.4
206 19.0 16.5 24.7





#85

Benzo(a)anthracene

Concen: 40.637 ng/ul

RT: 21.286 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

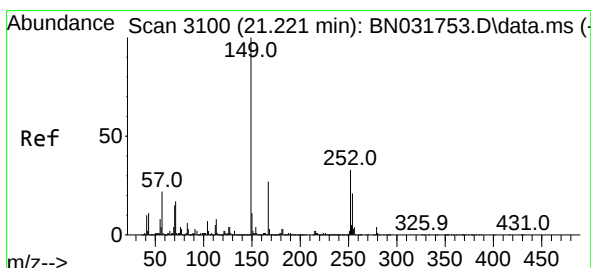
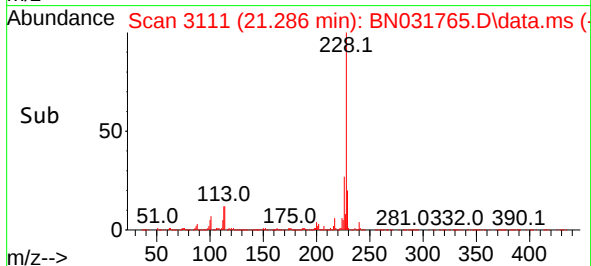
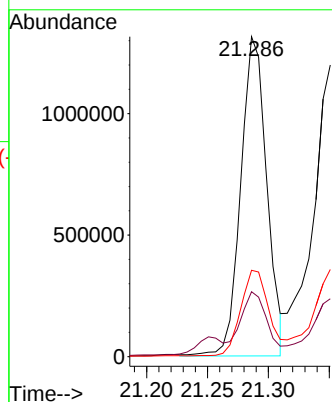
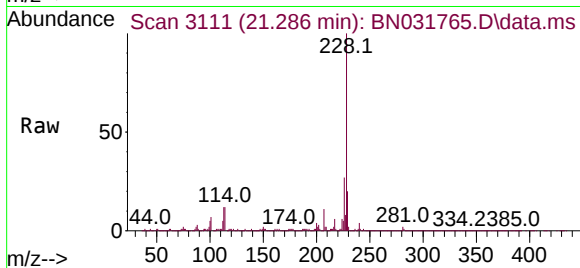
Tgt Ion:228 Resp: 1953956

Ion Ratio Lower Upper

228 100

229 20.3 16.7 25.1

226 27.0 22.8 34.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 7.253 ng/ul

RT: 21.221 min Scan# 3100

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

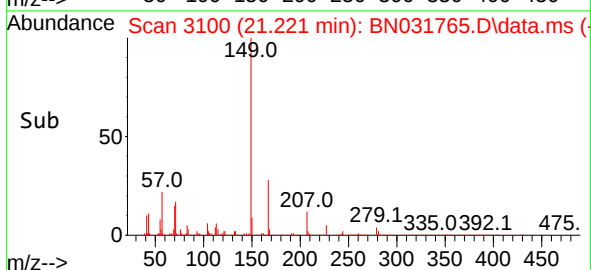
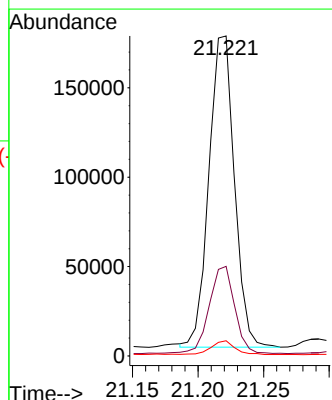
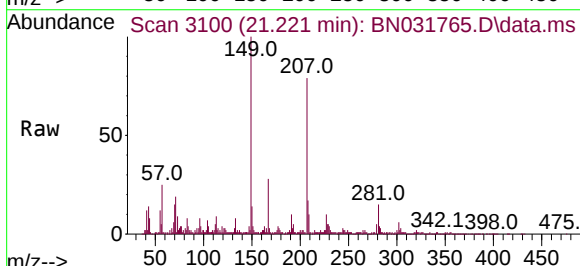
Tgt Ion:149 Resp: 235374

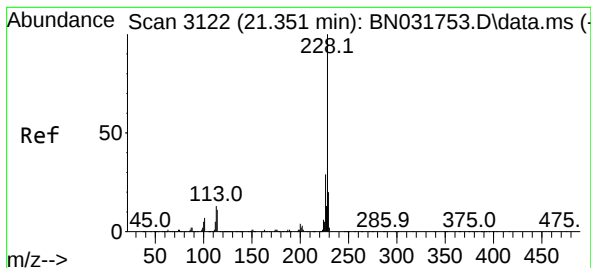
Ion Ratio Lower Upper

149 100

167 28.0 21.4 32.0

279 4.7 3.3 4.9





#87

Chrysene

Concen: 42.484 ng/ul

RT: 21.351 min Scan# 3122

Delta R.T. -0.000 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

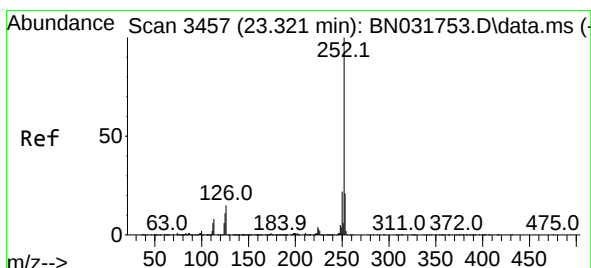
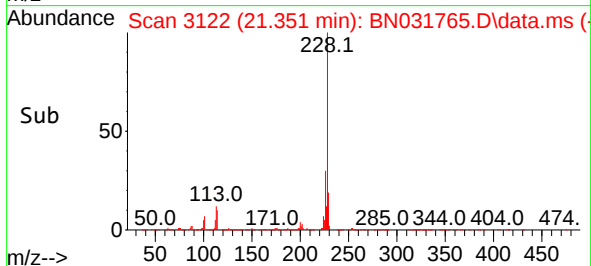
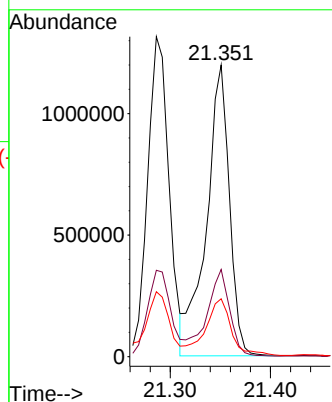
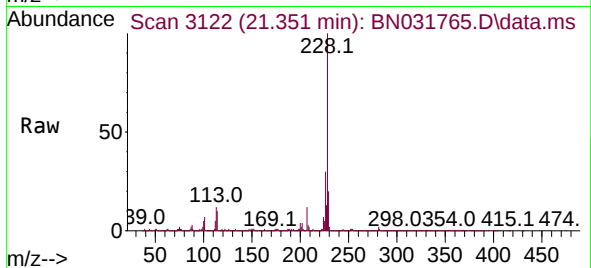
Tgt Ion:228 Resp: 1908075

Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 19.9 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 45.748 ng/ul

RT: 23.321 min Scan# 3457

Delta R.T. 0.012 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

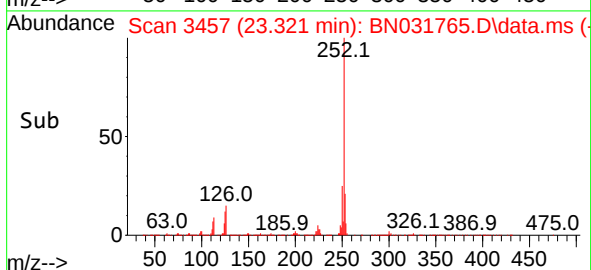
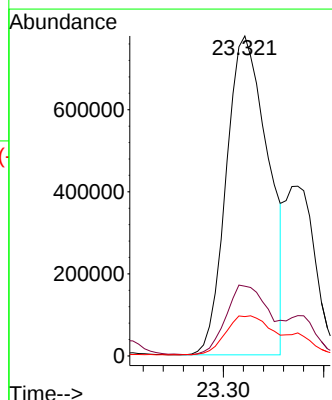
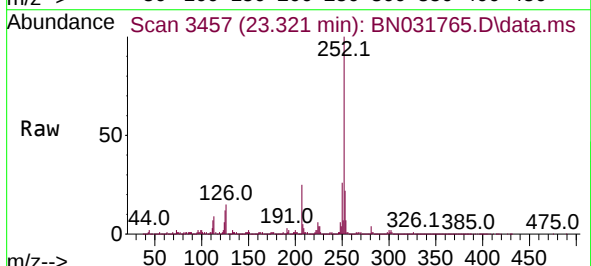
Tgt Ion:252 Resp: 2253599

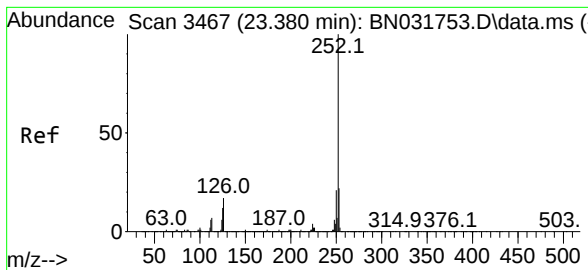
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 12.3 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 46.621 ng/u1

RT: 23.321 min Scan# 3467

Delta R.T. -0.053 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

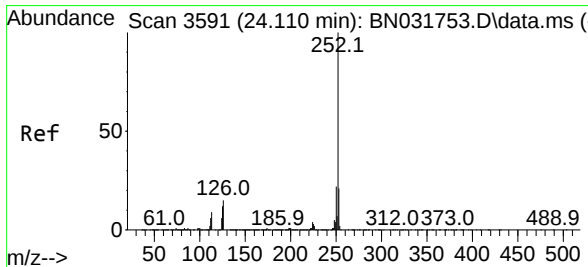
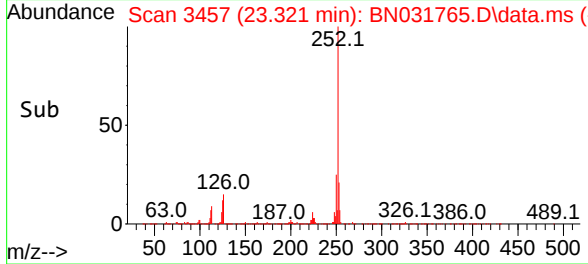
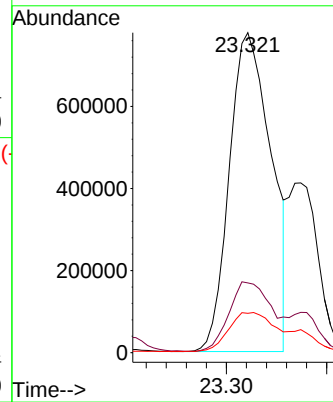
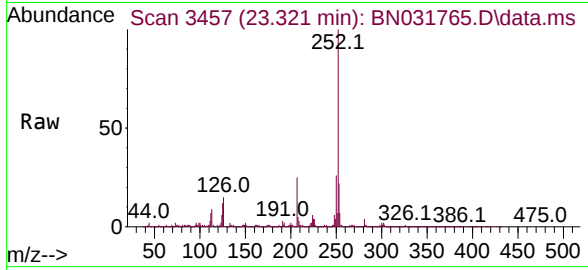
Tgt Ion:252 Resp: 2253599

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 12.3 9.4 14.2



#93

Benzo(a)pyrene

Concen: 36.038 ng/u1

RT: 24.110 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

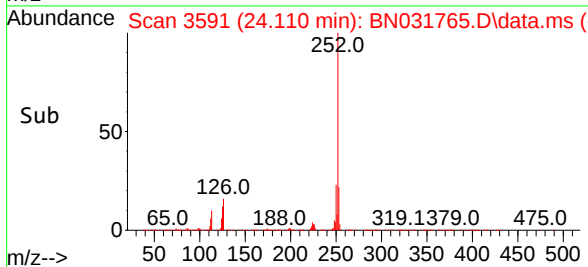
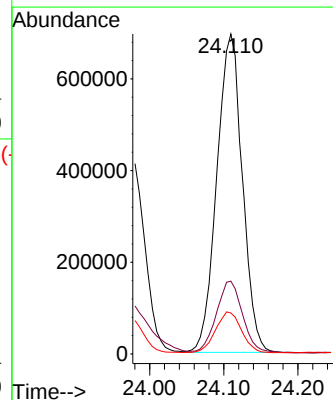
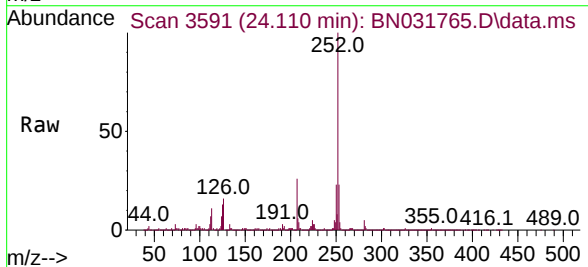
Tgt Ion:252 Resp: 1662721

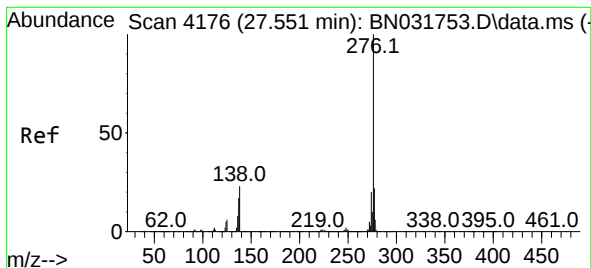
Ion Ratio Lower Upper

252 100

253 22.7 16.6 24.8

125 12.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.583 ng/ul

RT: 27.551 min Scan# 4176

Delta R.T. 0.017 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

Instrument :

BNA_N

ClientSampleId :

BH629DL

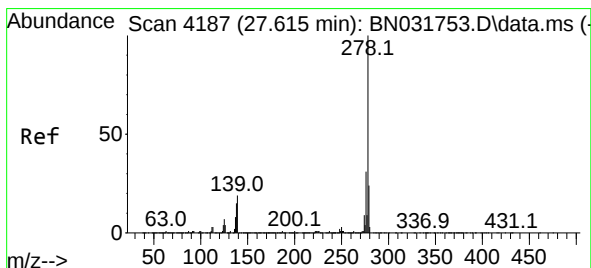
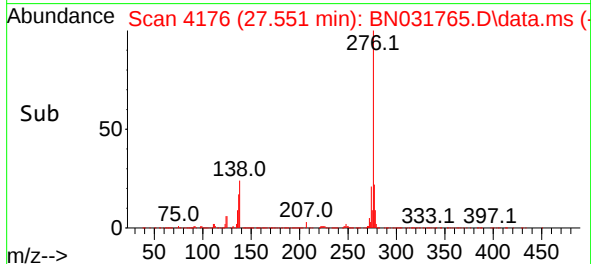
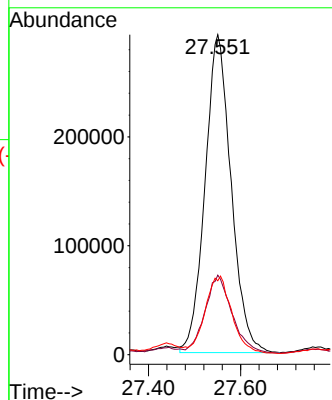
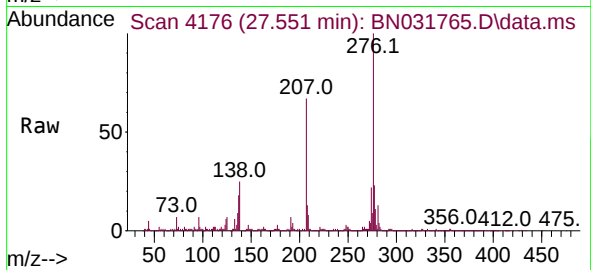
Tgt Ion:276 Resp: 1147502

Ion Ratio Lower Upper

276 100

138 24.9 18.1 27.1

277 23.1 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 2.946 ng/ul

RT: 27.580 min Scan# 4181

Delta R.T. -0.024 min

Lab File: BN031765.D

Acq: 03 Jun 2024 18:36

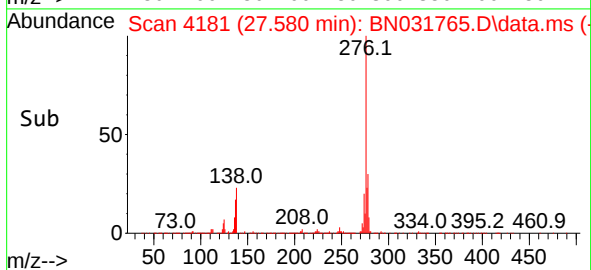
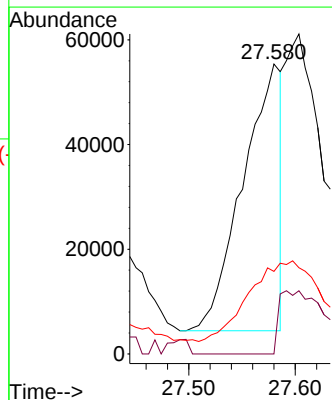
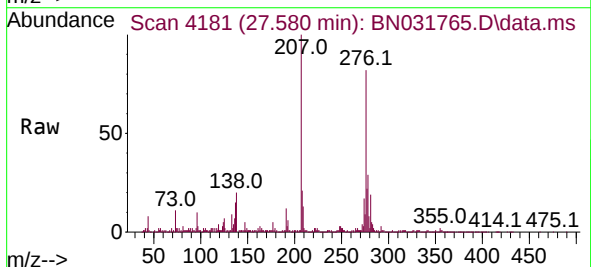
Tgt Ion:278 Resp: 127890

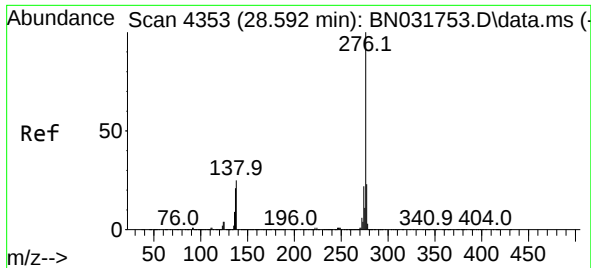
Ion Ratio Lower Upper

278 100

139 0.0 15.0 22.6#

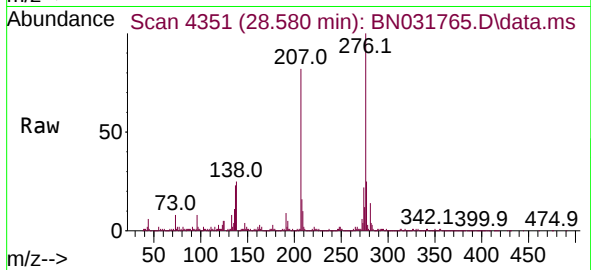
279 28.5 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 25.201 ng/ul
 RT: 28.580 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BN031765.D
 Acq: 03 Jun 2024 18:36

Instrument :
 BNA_N
 ClientSampleId :
 BH629DL



Tgt Ion: 276 Resp: 1065096

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.9	31.3
277	25.3	18.0	27.0

