

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028744.D
 Acq On : 18 Nov 2023 18:18
 Operator : MA/JU
 Sample : 05369-17MS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 18 23:03:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 09:39:27 2023
 Response via : Initial Calibration

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

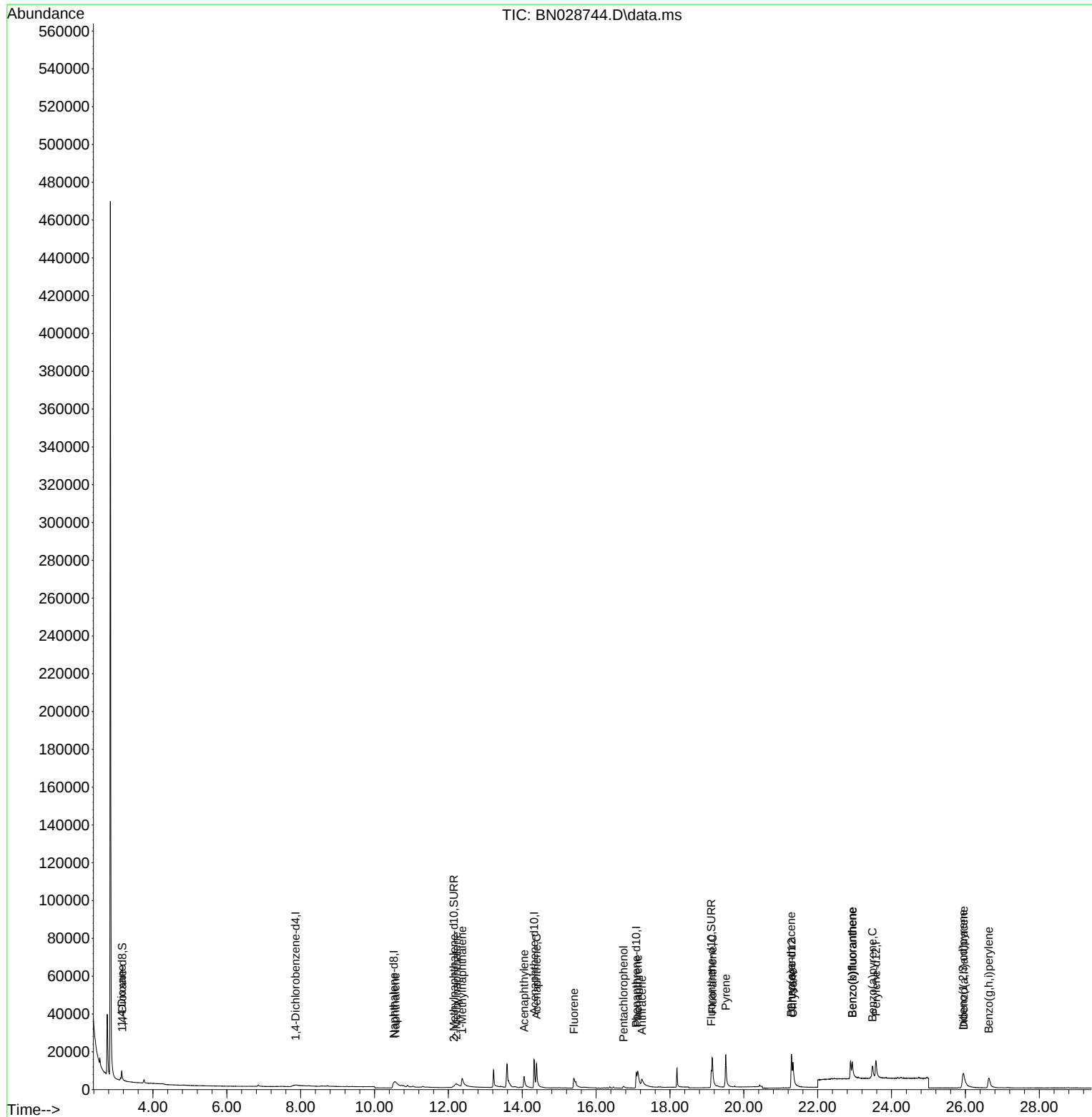
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	2310	0.400	ng/ul	# 0.07
4) Naphthalene-d8	10.521	136	12461	0.400	ng/ul	# 0.03
9) Acenaphthene-d10	14.320	164	12552	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.089	188	17303	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.294	240	16069	0.400	ng/ul	# 0.00
23) Perylene-d12	23.577	264	15928	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.171	96	57	0.022	ng/ul	0.05
6) 2-Methylnaphthalene-d10	12.149	152	3378	0.180	ng/ul	0.04
18) Fluoranthene-d10	19.121	212	15074	0.292	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.154	88	4247	1.505	ng/ul#	77
5) Naphthalene	10.571	128	10008	0.287	ng/ul#	89
7) 2-Methylnaphthalene	12.221	142	3893	0.169	ng/ul	95
8) 1-Methylnaphthalene	12.375	142	6482	0.277	ng/ul	96
10) Acenaphthylene	14.052	152	13920	0.222	ng/ul	97
11) Acenaphthene	14.385	153	11464	0.249	ng/ul	98
12) Fluorene	15.398	166	9634	0.180	ng/ul	95
14) Pentachlorophenol	16.743	266	1451	0.349	ng/ul	98
15) Phenanthrene	17.131	178	15204	0.286	ng/ul	96
16) Anthracene	17.241	178	9143	0.188	ng/ul#	92
19) Fluoranthene	19.149	202	19842	0.290	ng/ul	98
20) Pyrene	19.511	202	22563	0.319	ng/ul	96
21) Benzo(a)anthracene	21.283	228	11933	0.188	ng/ul	97
22) Chrysene	21.329	228	15908	0.256	ng/ul	99
24) Benzo(b)fluoranthene	22.937	252	17848	0.299	ng/ul	79
25) Benzo(k)fluoranthene	22.937	252	16251	0.260	ng/ul#	81
26) Benzo(a)pyrene	23.484	252	14890	0.264	ng/ul#	67
27) Indeno(1,2,3-cd)pyrene	25.933	276	17539	0.280	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.956	278	13370	0.267	ng/ul#	88
29) Benzo(g,h,i)perylene	26.634	276	15779	0.307	ng/ul	94

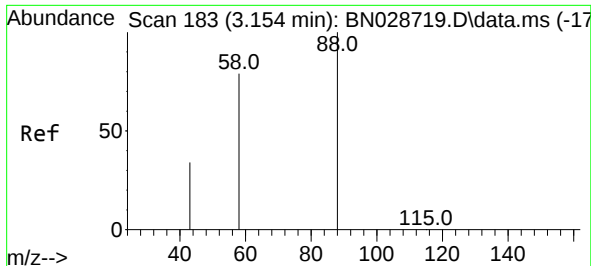
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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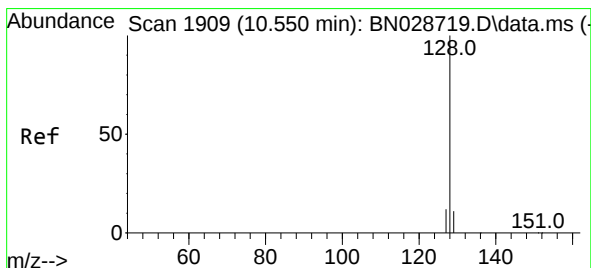
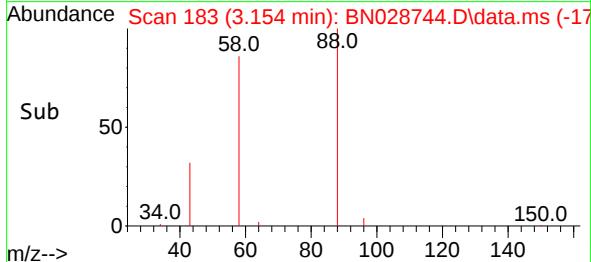
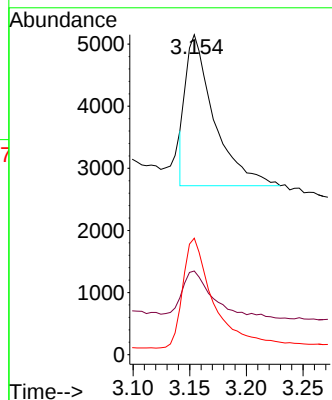
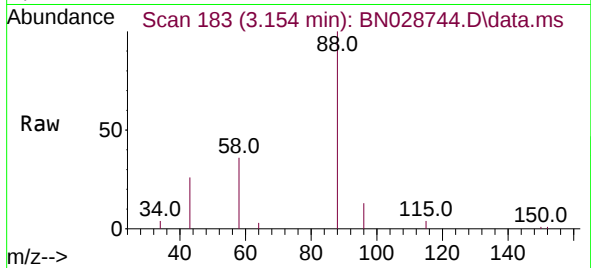




#2
1,4-Dioxane
Concen: 1.505 ng/ul
RT: 3.154 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

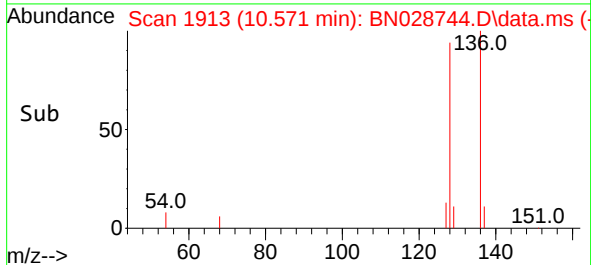
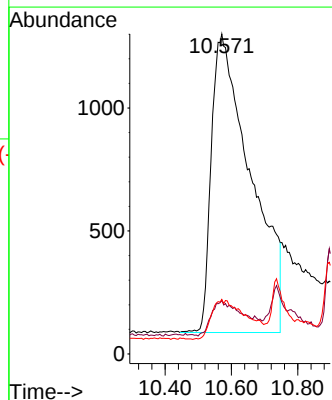
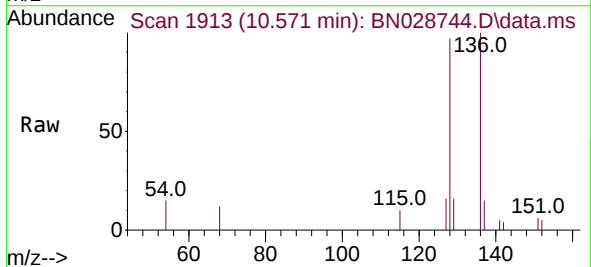
Instrument :
BNA_M
ClientSampleId :

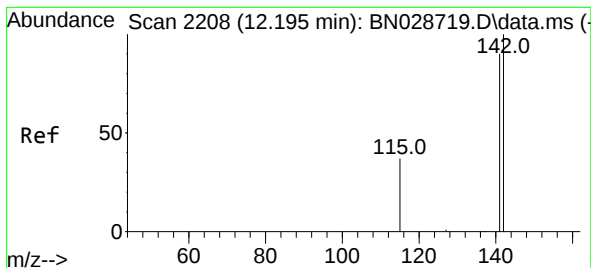
Tgt Ion: 88 Resp: 4247
Ion Ratio Lower Upper
88 100
43 26.1 32.9 49.3#
58 36.4 41.8 62.8#



#5
Naphthalene
Concen: 0.287 ng/ul
RT: 10.571 min Scan# 1913
Delta R.T. 0.037 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Tgt Ion:128 Resp: 10008
Ion Ratio Lower Upper
128 100
129 16.8 9.2 13.8#
127 17.1 10.7 16.1#

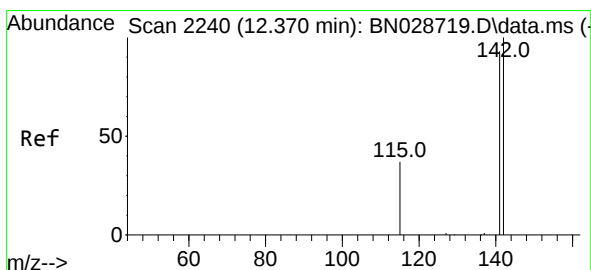
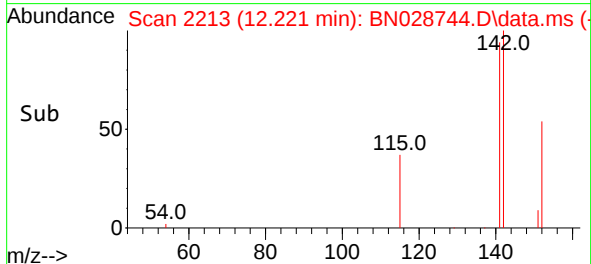
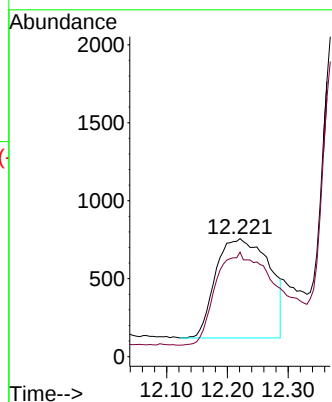
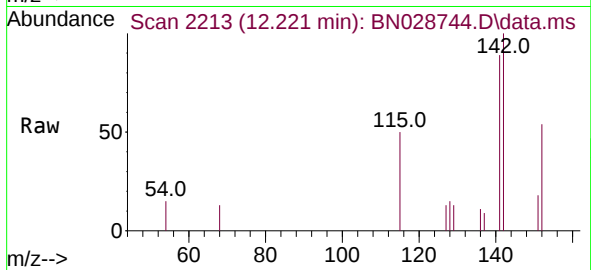




#7
2-Methylnaphthalene
Concen: 0.169 ng/ul
RT: 12.221 min Scan# 21
Delta R.T. 0.048 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

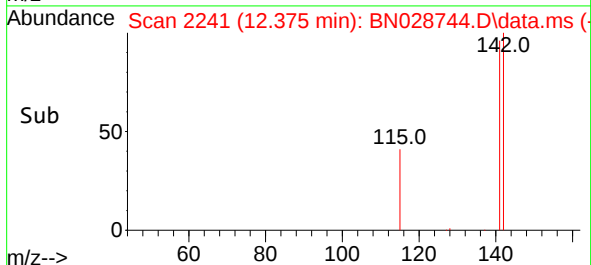
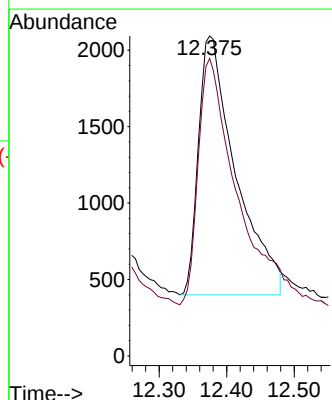
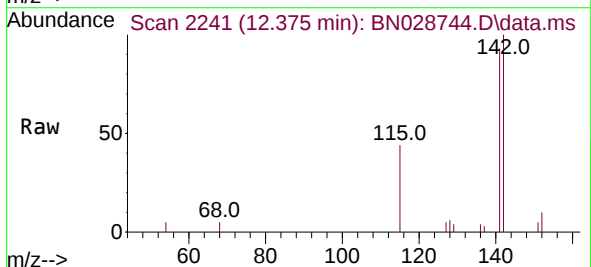
Instrument :
BNA_M
ClientSampleId :

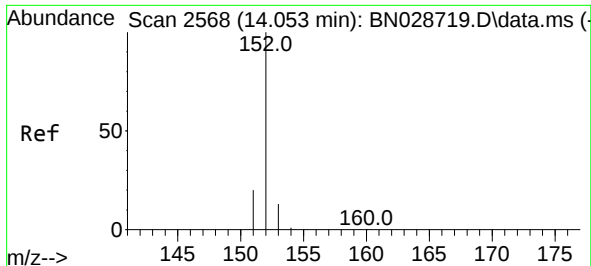
Tgt Ion:142 Resp: 3893
Ion Ratio Lower Upper
142 100
141 92.9 70.8 106.2



#8
1-Methylnaphthalene
Concen: 0.277 ng/ul
RT: 12.375 min Scan# 2241
Delta R.T. 0.010 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

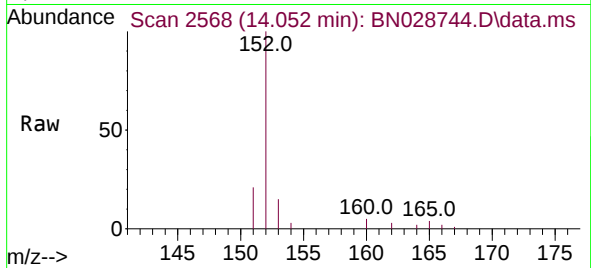
Tgt Ion:142 Resp: 6482
Ion Ratio Lower Upper
142 100
141 96.2 74.1 111.1



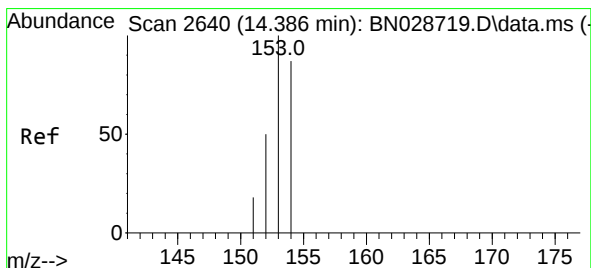
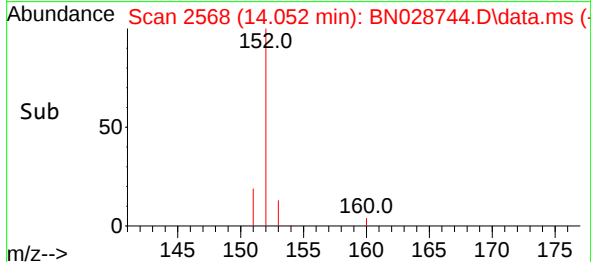
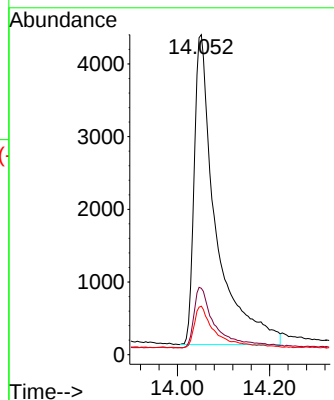


#10
Acenaphthylene
Concen: 0.222 ng/ul
RT: 14.052 min Scan# 2568
Delta R.T. -0.001 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Instrument :
BNA_M
ClientSampleId :

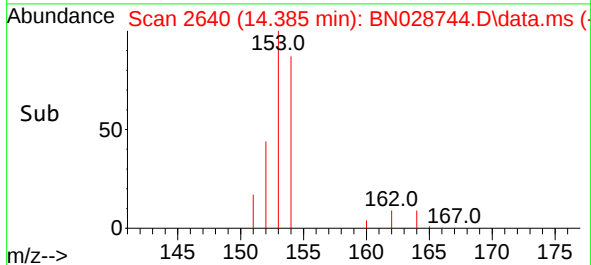
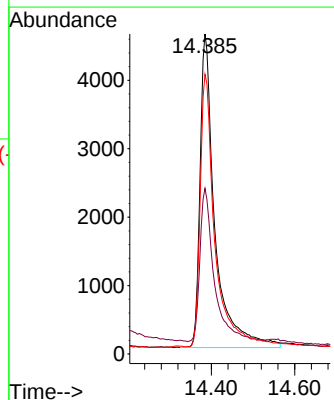
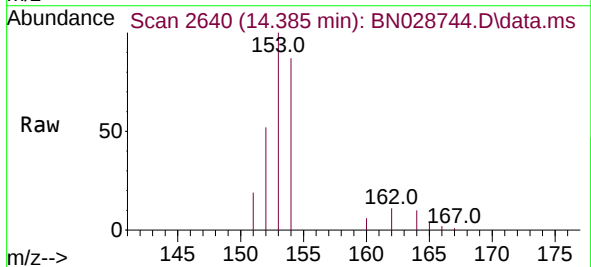


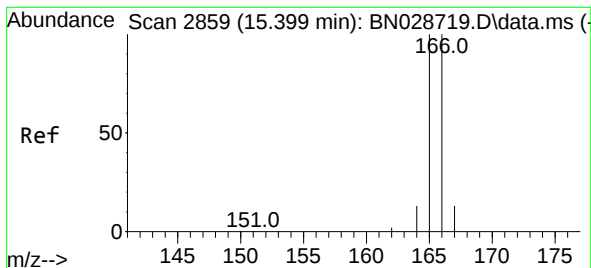
Tgt Ion:152 Resp: 13920
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 15.2 10.6 15.8



#11
Acenaphthene
Concen: 0.249 ng/ul
RT: 14.385 min Scan# 2640
Delta R.T. -0.005 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Tgt Ion:153 Resp: 11464
Ion Ratio Lower Upper
153 100
152 51.8 39.6 59.4
154 87.4 71.0 106.6





#12

Fluorene

Concen: 0.180 ng/ul

RT: 15.398 min Scan# 21

Delta R.T. 0.004 min

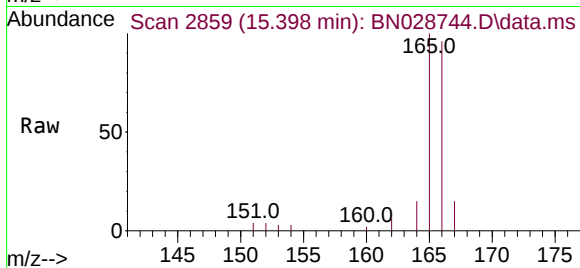
Lab File: BN028744.D

Acq: 18 Nov 2023 18:18

Instrument :

BNA_M

ClientSampleId :



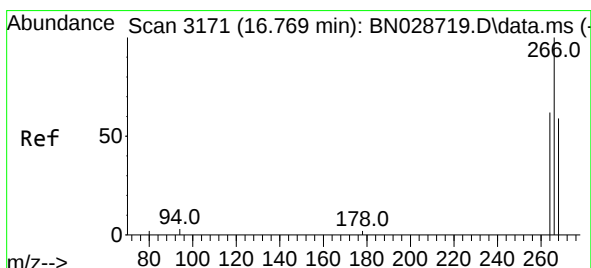
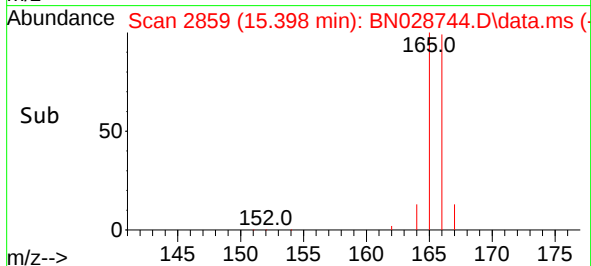
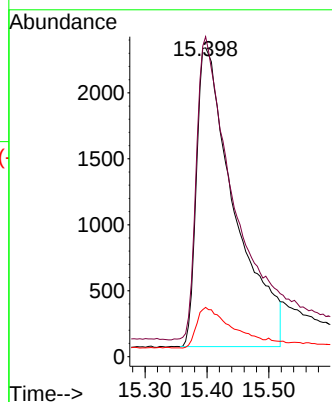
Tgt Ion:166 Resp: 9634

Ion Ratio Lower Upper

166 100

165 103.6 78.6 118.0

167 15.9 11.0 16.6



#14

Pentachlorophenol

Concen: 0.349 ng/ul

RT: 16.743 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BN028744.D

Acq: 18 Nov 2023 18:18

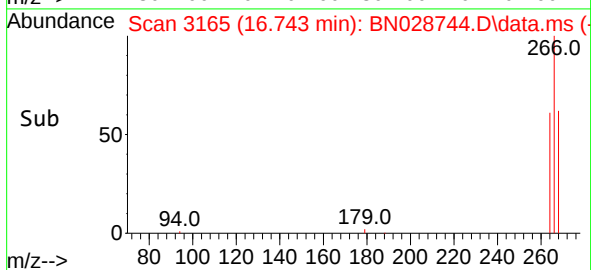
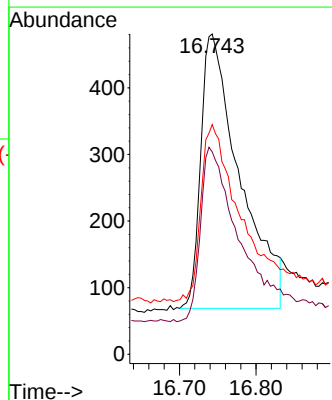
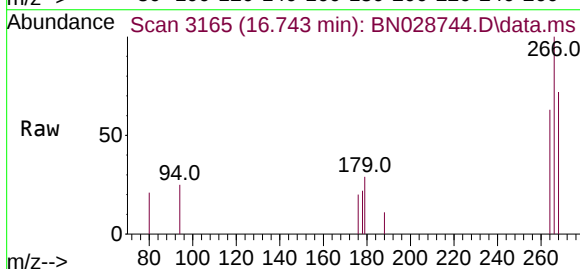
Tgt Ion:266 Resp: 1451

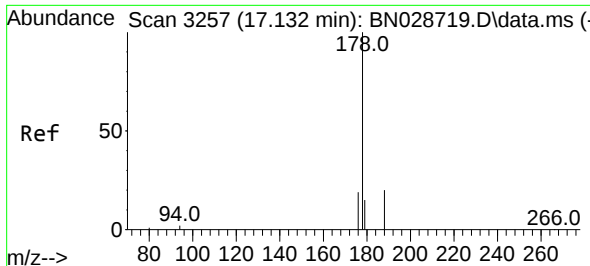
Ion Ratio Lower Upper

266 100

264 62.4 50.1 75.1

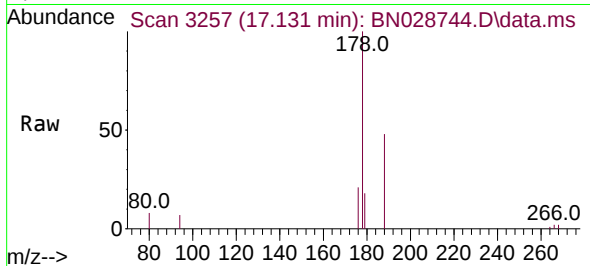
268 65.5 50.6 75.8



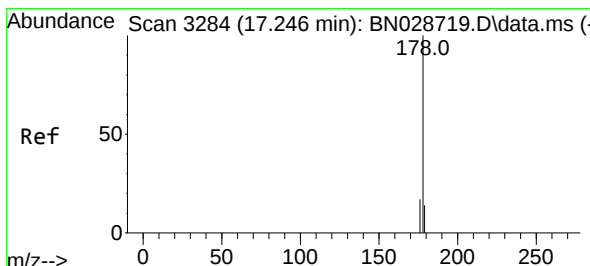
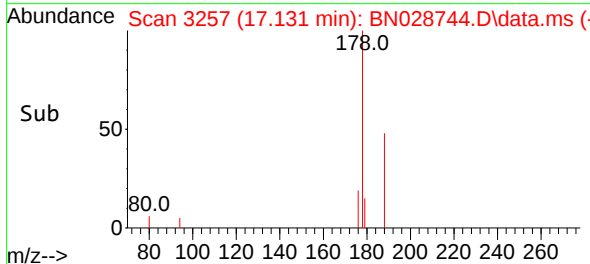
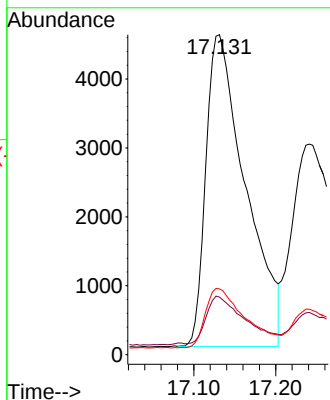


#15
Phenanthrene
Concen: 0.286 ng/ul
RT: 17.131 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Instrument :
BNA_M
ClientSampleId :

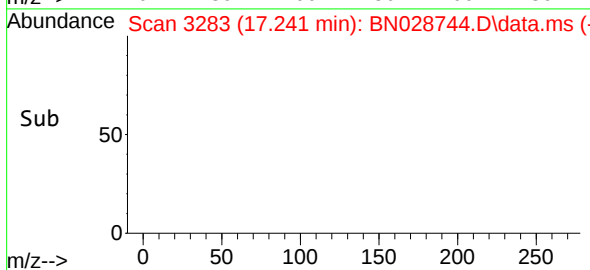
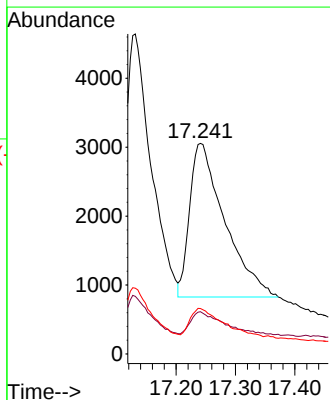
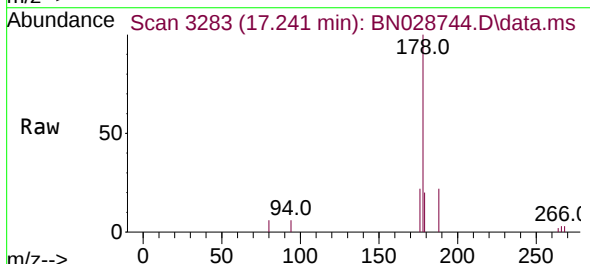


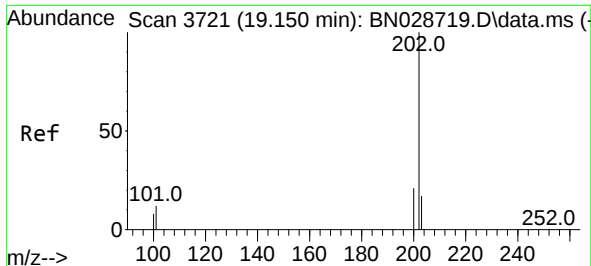
Tgt Ion:178 Resp: 15204
Ion Ratio Lower Upper
178 100
179 18.0 12.4 18.6
176 20.6 15.4 23.2



#16
Anthracene
Concen: 0.188 ng/ul
RT: 17.241 min Scan# 3283
Delta R.T. 0.004 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Tgt Ion:178 Resp: 9143
Ion Ratio Lower Upper
178 100
179 20.1 12.6 18.8#
176 21.6 14.9 22.3

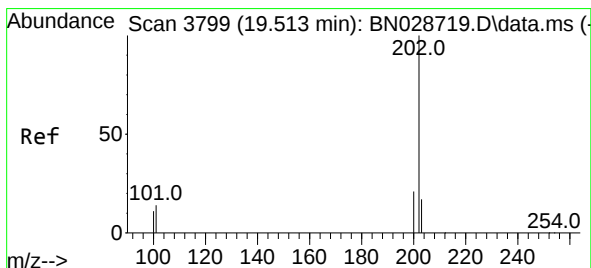
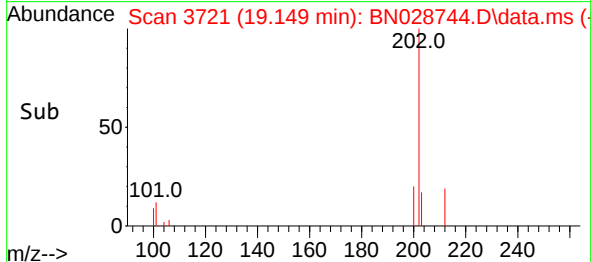
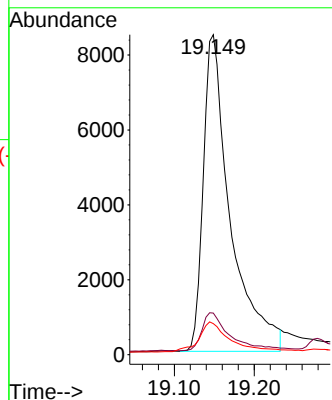
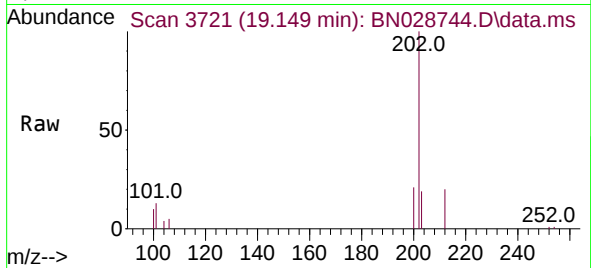




#19
Fluoranthene
Concen: 0.290 ng/u1
RT: 19.149 min Scan# 3721
Delta R.T. -0.001 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

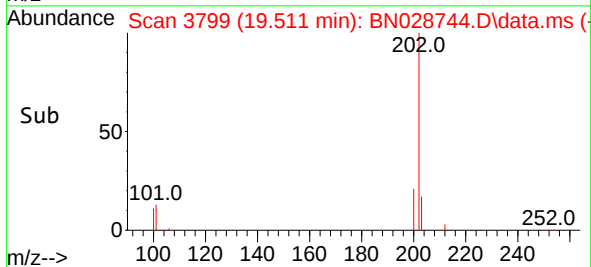
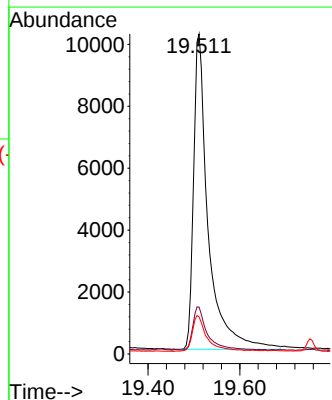
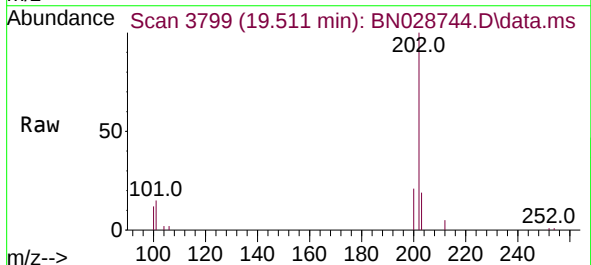
Instrument :
BNA_M
ClientSampleId :

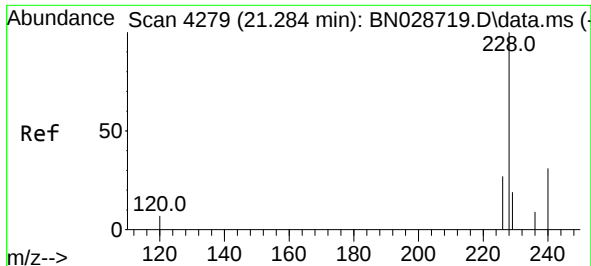
Tgt Ion:202 Resp: 19842
Ion Ratio Lower Upper
202 100
101 13.0 9.5 14.3
100 9.7 7.2 10.8



#20
Pyrene
Concen: 0.319 ng/u1
RT: 19.511 min Scan# 3799
Delta R.T. -0.001 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

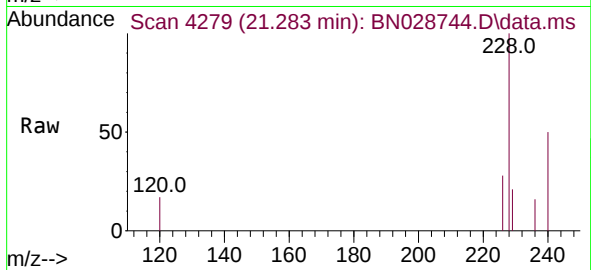
Tgt Ion:202 Resp: 22563
Ion Ratio Lower Upper
202 100
101 14.6 10.3 15.5
100 11.6 8.2 12.2



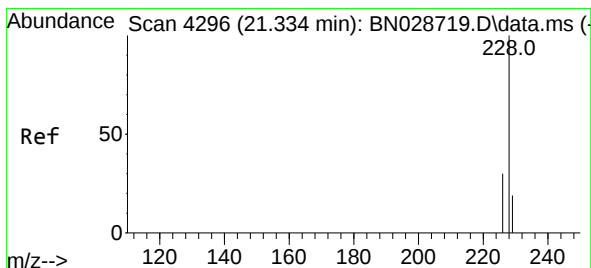
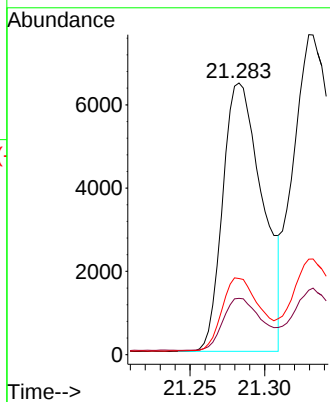
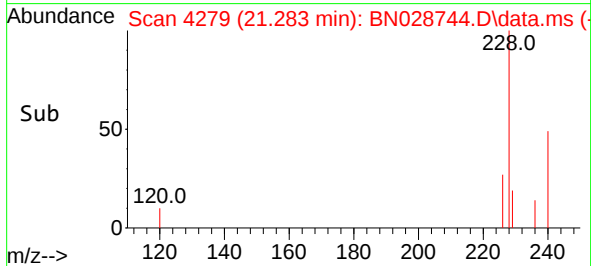


#21
Benzo(a)anthracene
Concen: 0.188 ng/ul
RT: 21.283 min Scan# 4279
Delta R.T. 0.002 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

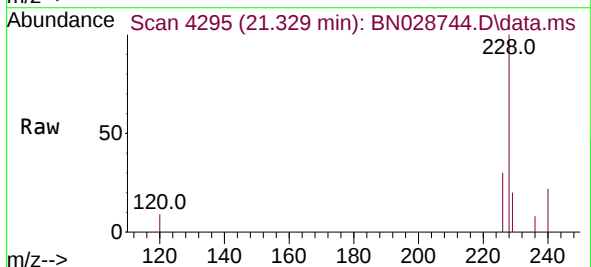
Instrument :
BNA_M
ClientSampleId :



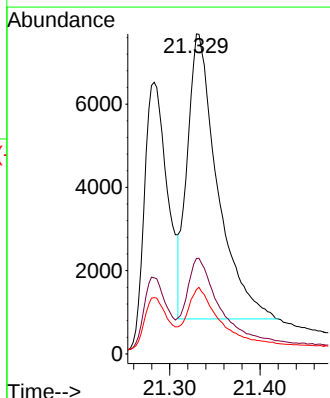
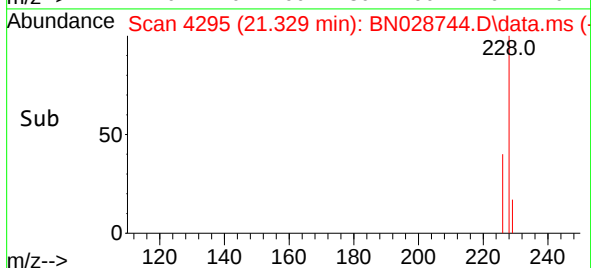
Tgt Ion:228 Resp: 11933
Ion Ratio Lower Upper
228 100
229 20.8 15.7 23.5
226 28.0 21.4 32.0

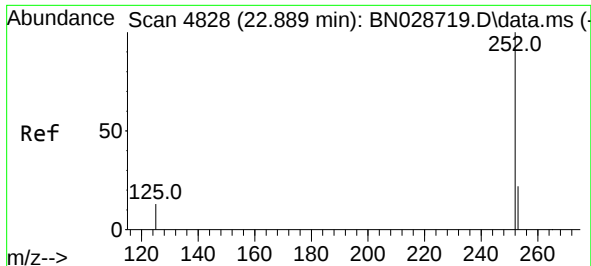


#22
Chrysene
Concen: 0.256 ng/ul
RT: 21.329 min Scan# 4295
Delta R.T. -0.004 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18



Tgt Ion:228 Resp: 15908
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 20.2 15.4 23.2

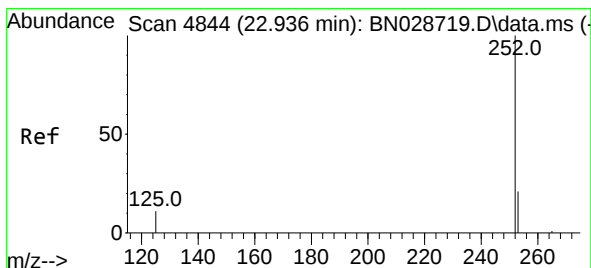
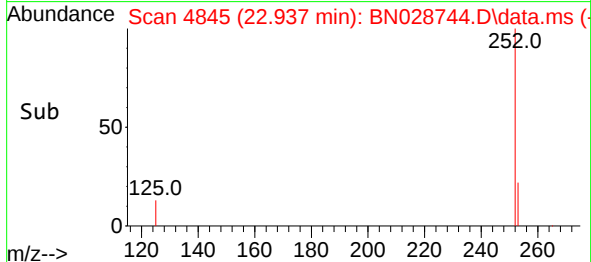
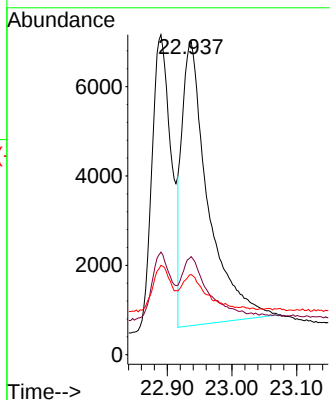
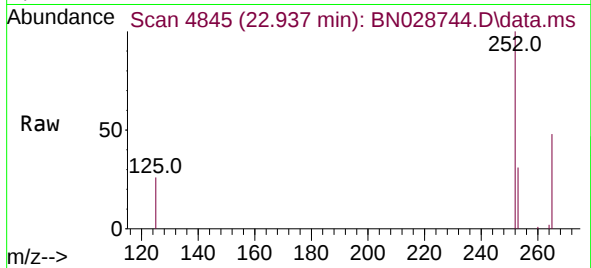




#24
Benzo(b)fluoranthene
Concen: 0.299 ng/ul
RT: 22.937 min Scan# 4845
Delta R.T. 0.049 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

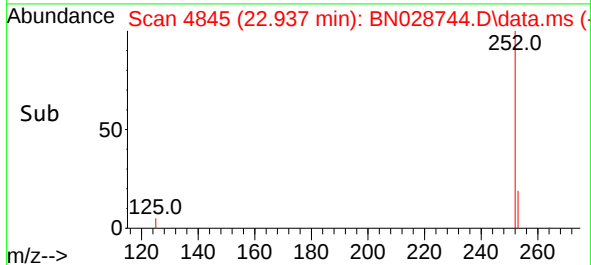
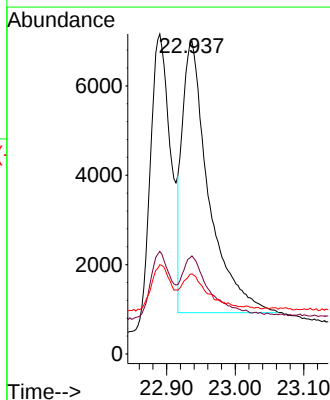
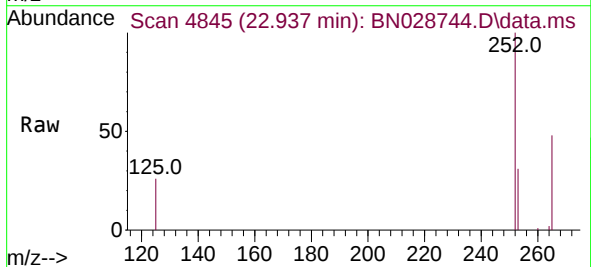
Instrument :
BNA_M
ClientSampleId :

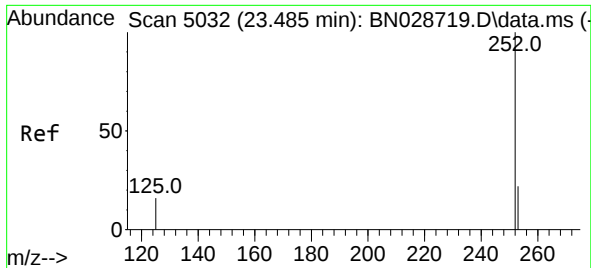
Tgt Ion:252 Resp: 17848
Ion Ratio Lower Upper
252 100
253 31.4 0.0 46.6
125 25.6 0.0 27.6



#25
Benzo(k)fluoranthene
Concen: 0.260 ng/ul
RT: 22.937 min Scan# 4845
Delta R.T. 0.005 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

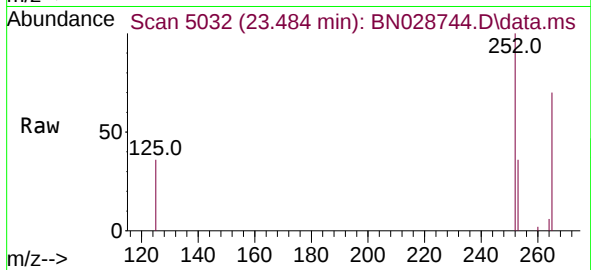
Tgt Ion:252 Resp: 16251
Ion Ratio Lower Upper
252 100
253 31.4 18.6 28.0#
125 25.6 12.7 19.1#



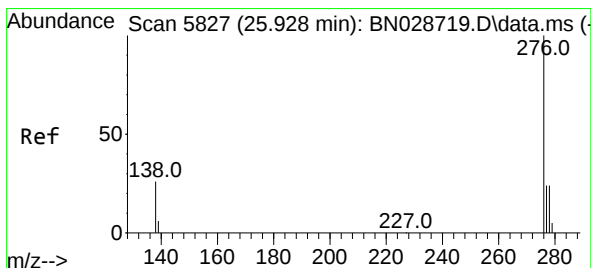
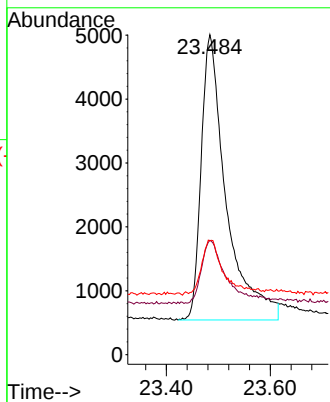
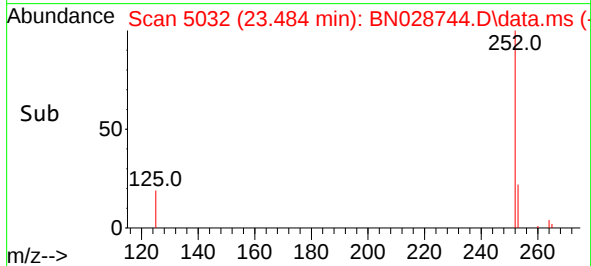


#26
Benzo(a)pyrene
Concen: 0.264 ng/ul
RT: 23.484 min Scan# 5032
Delta R.T. 0.002 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Instrument :
BNA_M
ClientSampleId :

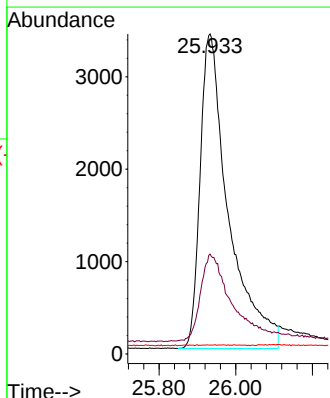
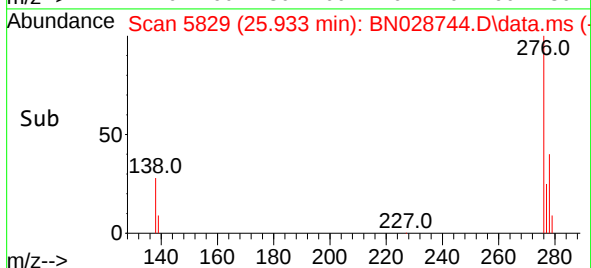
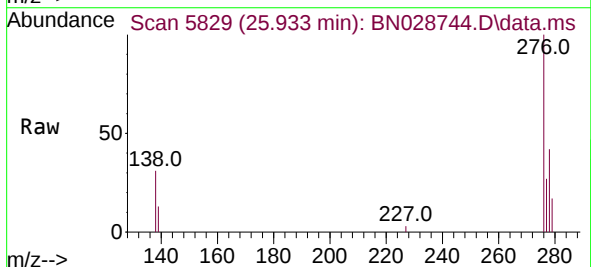


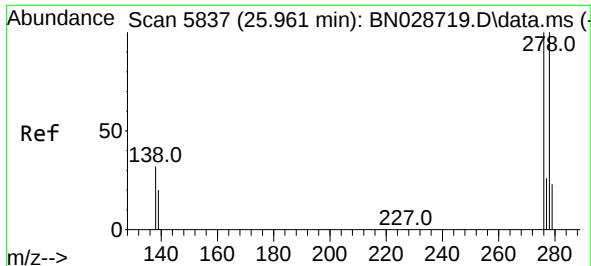
Tgt Ion:252 Resp: 14890
Ion Ratio Lower Upper
252 100
253 35.8 19.0 28.6#
125 35.6 13.2 19.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.280 ng/ul
RT: 25.933 min Scan# 5829
Delta R.T. 0.002 min
Lab File: BN028744.D
Acq: 18 Nov 2023 18:18

Tgt Ion:276 Resp: 17539
Ion Ratio Lower Upper
276 100
138 30.6 23.8 35.6
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.267 ng/ul

RT: 25.956 min Scan# 5837

Delta R.T. -0.001 min

Lab File: BN028744.D

Acq: 18 Nov 2023 18:18

Instrument :

BNA_M

ClientSampleId :

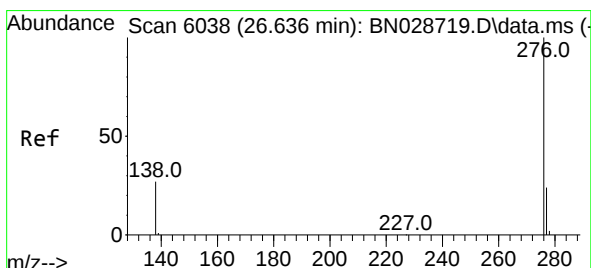
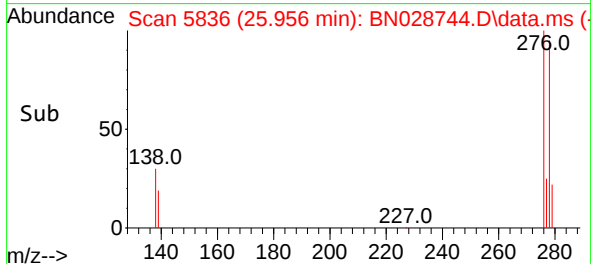
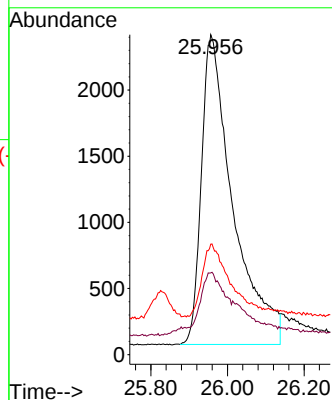
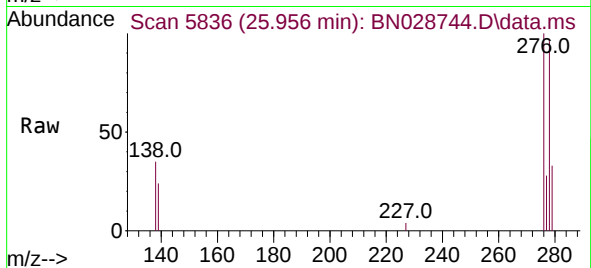
Tgt Ion:278 Resp: 13370

Ion Ratio Lower Upper

278 100

139 25.5 18.2 27.4

279 34.5 20.7 31.1#



#29

Benzo(g,h,i)perylene

Concen: 0.307 ng/ul

RT: 26.634 min Scan# 6038

Delta R.T. -0.008 min

Lab File: BN028744.D

Acq: 18 Nov 2023 18:18

Tgt Ion:276 Resp: 15779

Ion Ratio Lower Upper

276 100

138 29.5 20.5 30.7

277 26.0 19.4 29.0

