

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026990.D
 Acq On : 21 Aug 2023 13:25
 Operator : MA/JU
 Sample : 03965-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD

Quant Time: Aug 22 01:38:20 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

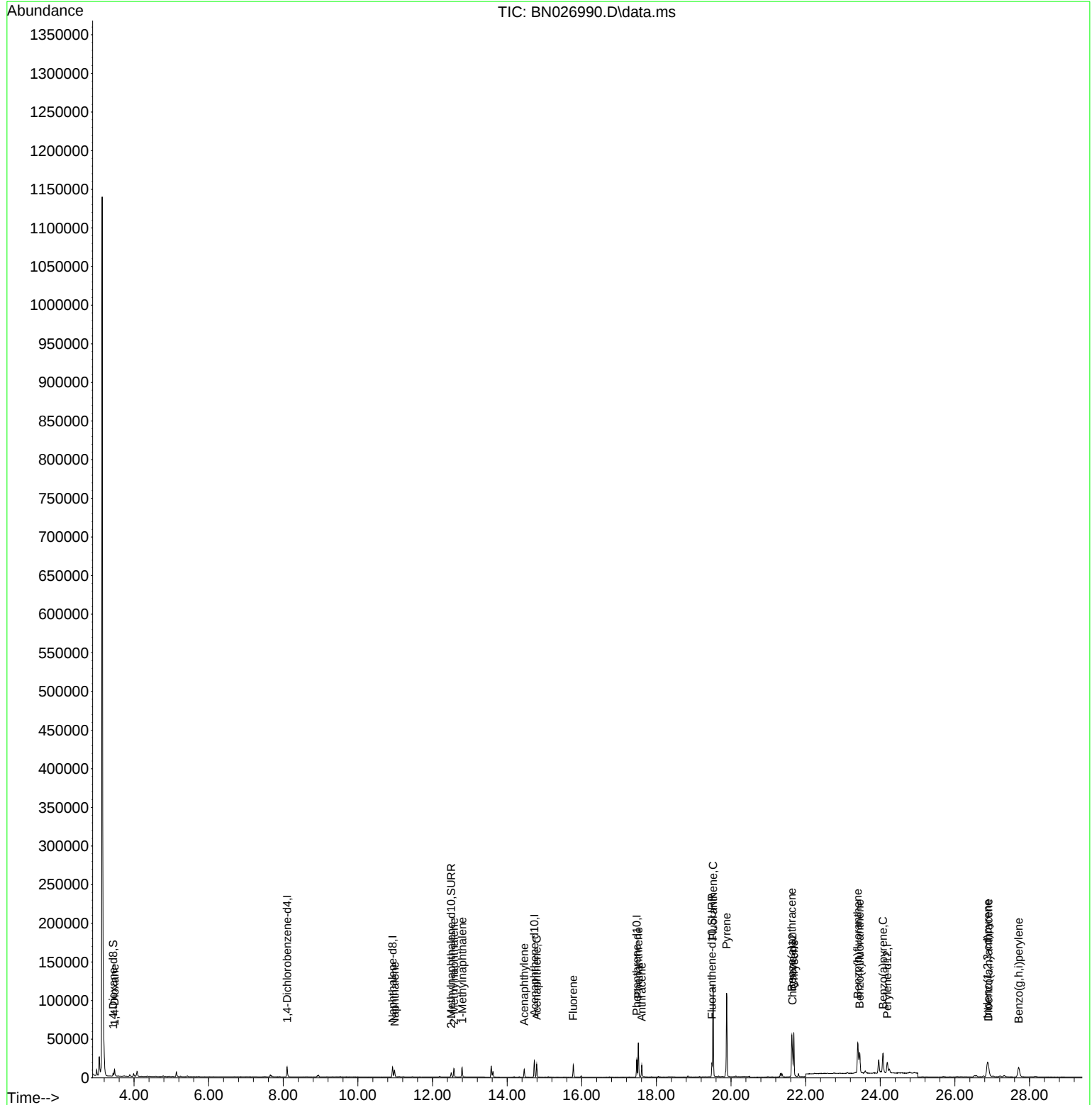
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6409	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	20002	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	12154	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.473	188	27679	0.400	ng/ul	0.00
17) Chrysene-d12	21.644	240	22877	0.400	ng/ul	0.00
23) Perylene-d12	24.188	264	22043	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	2753	0.362	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	7278	0.247	ng/ul	0.00
18) Fluoranthene-d10	19.488	212	18618	0.258	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.477	88	6626	0.853	ng/ul	97
5) Naphthalene	10.982	128	12780	0.226	ng/ul	99
7) 2-Methylnaphthalene	12.572	142	8005	0.234	ng/ul	100
8) 1-Methylnaphthalene	12.792	142	8637	0.241	ng/ul	99
10) Acenaphthylene	14.458	152	12111	0.178	ng/ul	99
11) Acenaphthene	14.791	153	9587	0.203	ng/ul	98
12) Fluorene	15.772	166	10932	0.205	ng/ul	100
15) Phenanthrene	17.515	178	47164	0.519	ng/ul	100
16) Anthracene	17.608	178	17894	0.218	ng/ul	99
19) Fluoranthene	19.520	202	103435	1.088	ng/ul	98
20) Pyrene	19.883	202	93826	0.925	ng/ul	100
21) Benzo(a)anthracene	21.627	228	51948	0.571	ng/ul	100
22) Chrysene	21.682	228	54748	0.610	ng/ul	99
24) Benzo(b)fluoranthene	23.398	252	73174	0.878	ng/ul	98
25) Benzo(k)fluoranthene	23.448	252	35282	0.429	ng/ul#	95
26) Benzo(a)pyrene	24.074	252	42633	0.567	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.874	276	38669	0.393	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.898	278	17580	0.224	ng/ul	94
29) Benzo(g,h,i)perylene	27.709	276	31310	0.382	ng/ul	98

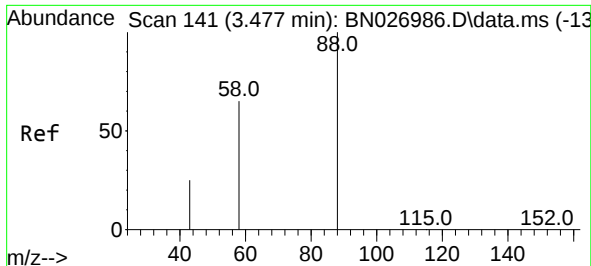
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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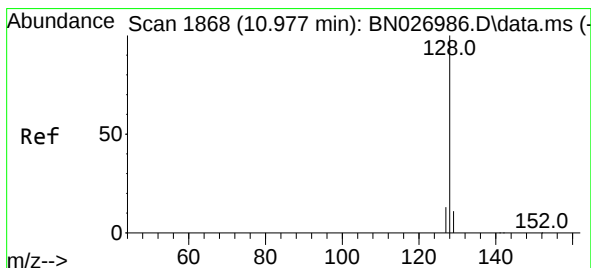
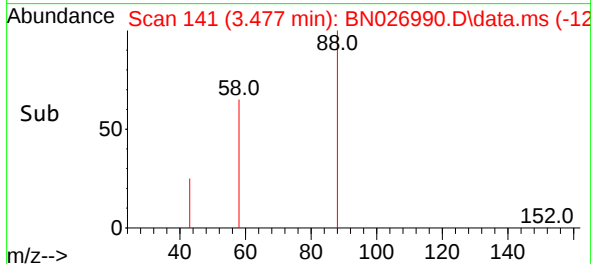
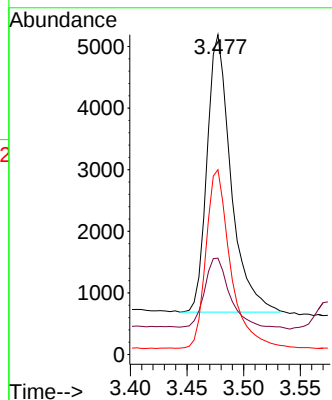
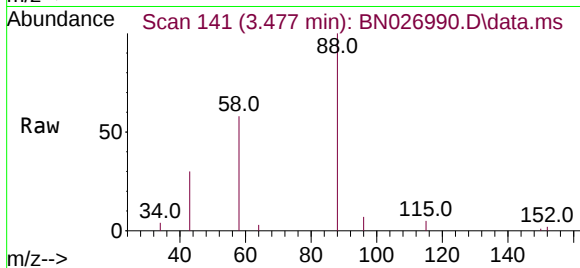




#2
1,4-Dioxane
Concen: 0.853 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.000 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

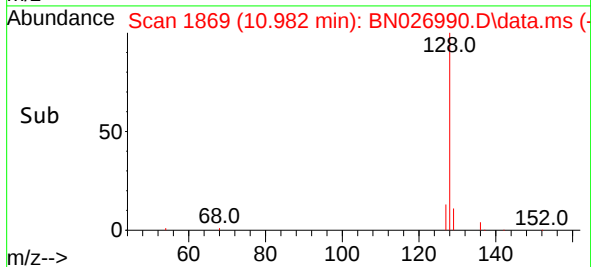
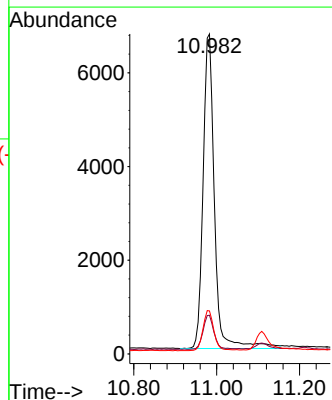
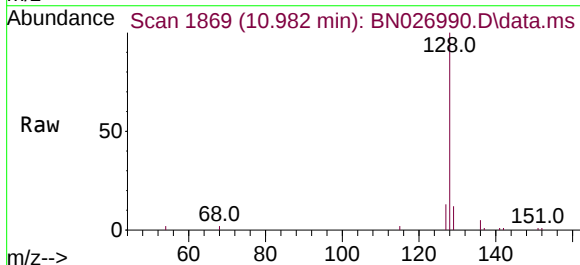
Instrument :
BNA_N
ClientSampleId :
A4832MSD

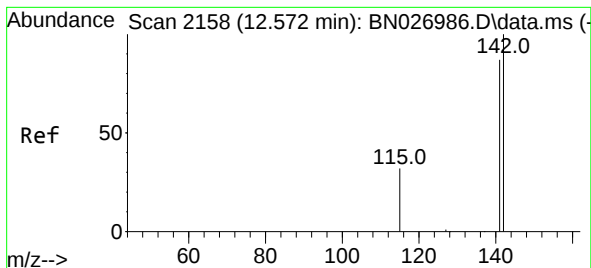
Tgt Ion: 88 Resp: 6626
Ion Ratio Lower Upper
88 100
43 30.1 28.0 42.0
58 57.8 46.0 69.0



#5
Naphthalene
Concen: 0.226 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. 0.000 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

Tgt Ion: 128 Resp: 12780
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 13.4 10.5 15.7

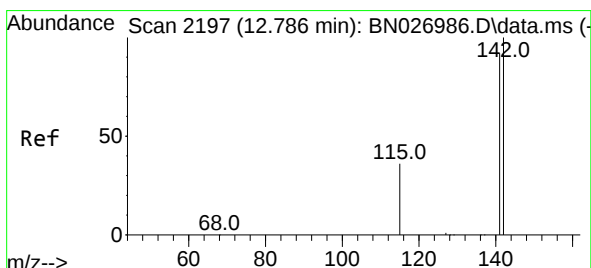
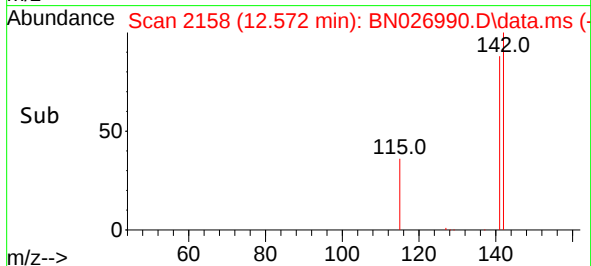
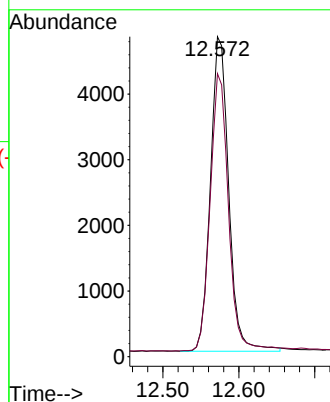
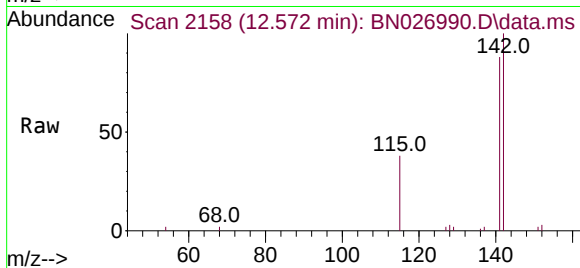




#7
2-Methylnaphthalene
Concen: 0.234 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

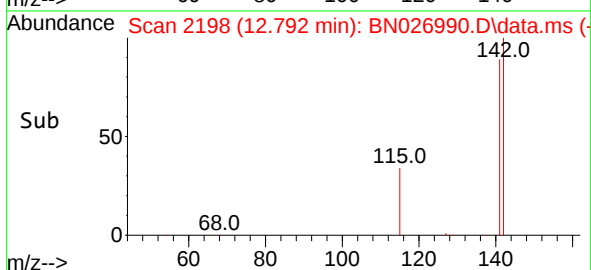
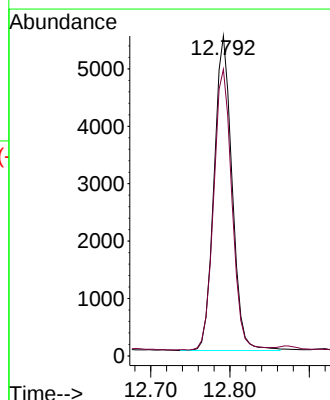
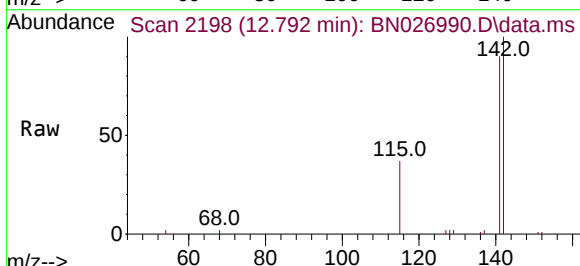
Instrument :
BNA_N
ClientSampleId :
A4832MSD

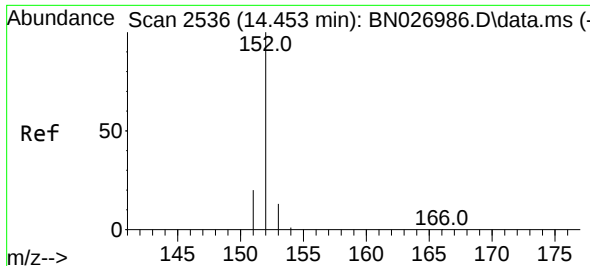
Tgt Ion:142 Resp: 8005
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.241 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

Tgt Ion:142 Resp: 8637
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8

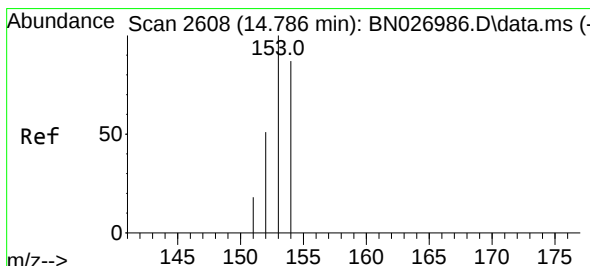
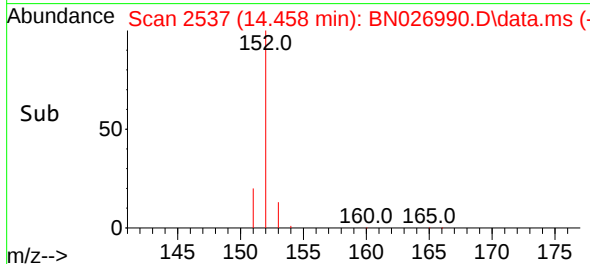
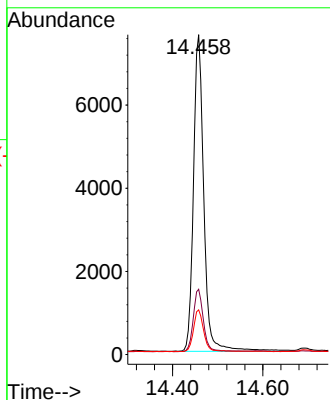
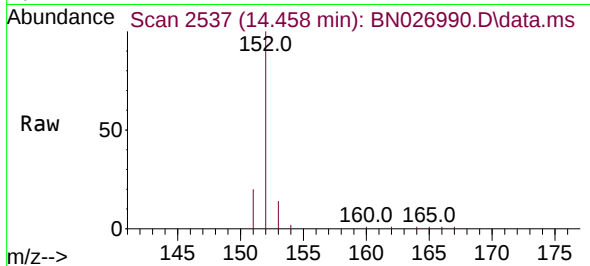




#10
Acenaphthylene
Concen: 0.178 ng/ul
RT: 14.458 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

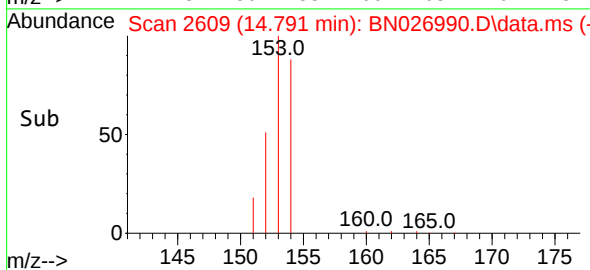
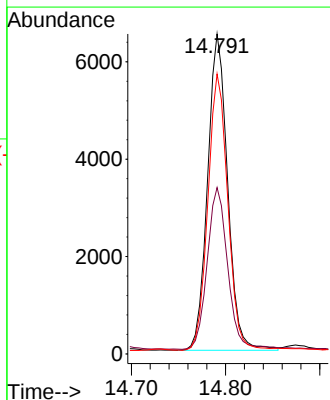
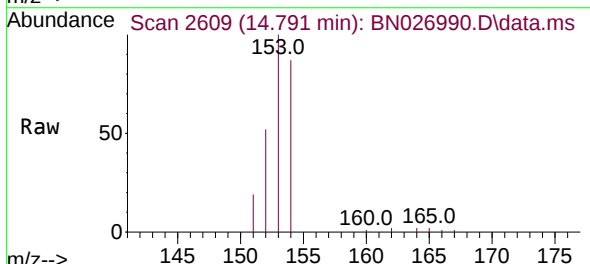
Instrument :
BNA_N
ClientSampleId :
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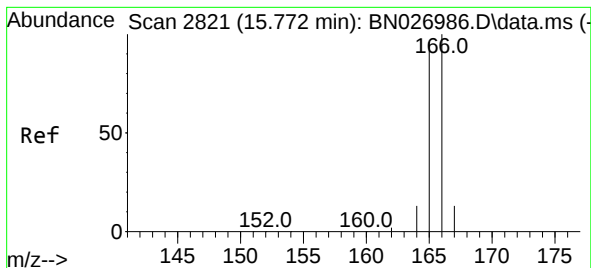
Tgt Ion:152 Resp: 12111
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.0 11.0 16.6



#11
Acenaphthene
Concen: 0.203 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

Tgt Ion:153 Resp: 9587
Ion Ratio Lower Upper
153 100
152 52.0 41.1 61.7
154 87.5 71.6 107.4





#12

Fluorene

Concen: 0.205 ng/ul

RT: 15.772 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BN026990.D

Acq: 21 Aug 2023 13:25

Instrument :

BNA_N

ClientSampleId :

A4832MSD

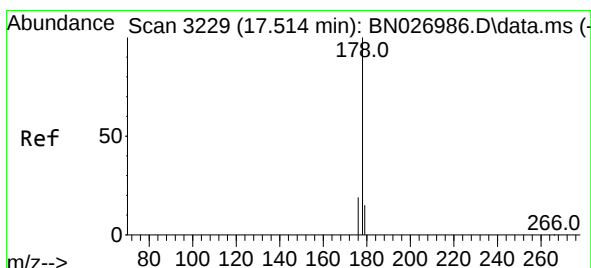
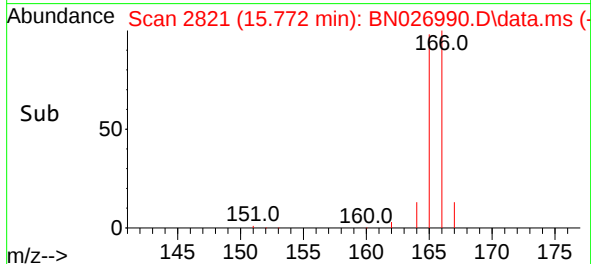
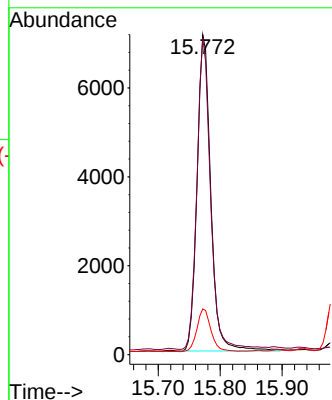
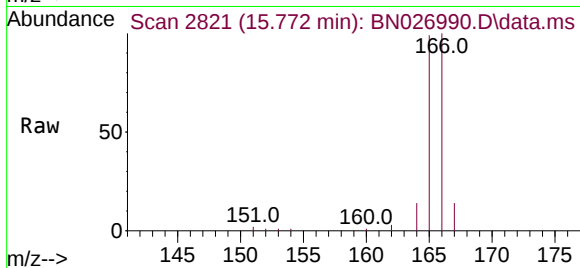
Tgt Ion:166 Resp: 10932

Ion Ratio Lower Upper

166 100

165 98.9 79.1 118.7

167 14.3 11.4 17.0



#15

Phenanthrene

Concen: 0.519 ng/ul

RT: 17.515 min Scan# 3229

Delta R.T. -0.004 min

Lab File: BN026990.D

Acq: 21 Aug 2023 13:25

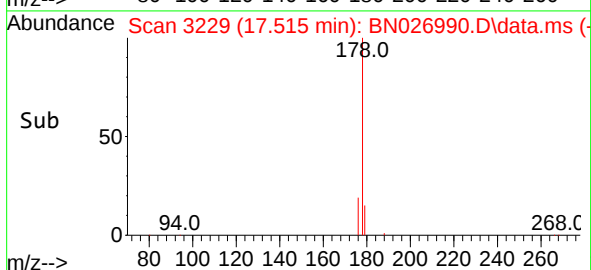
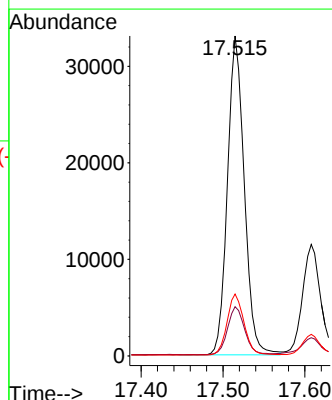
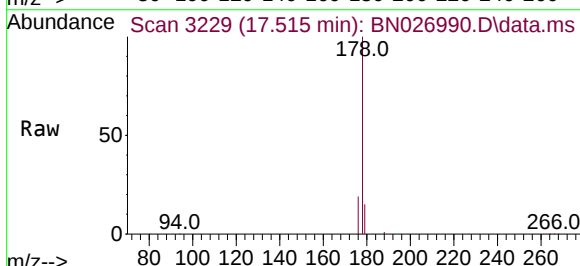
Tgt Ion:178 Resp: 47164

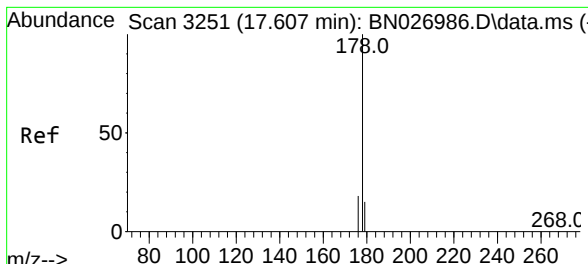
Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 19.3 15.4 23.2

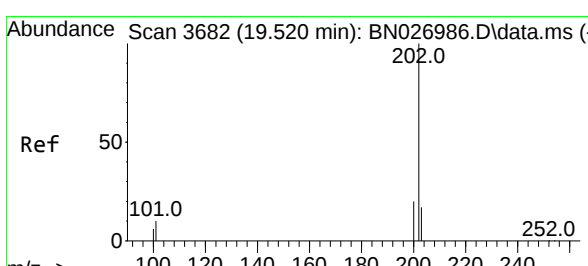
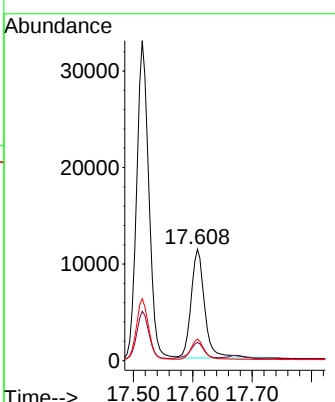
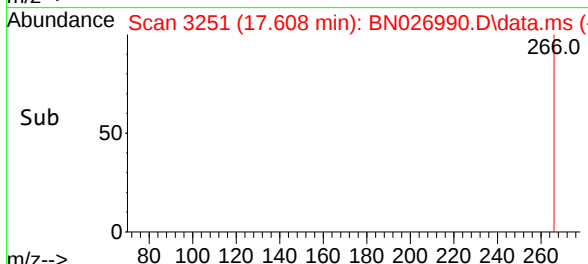
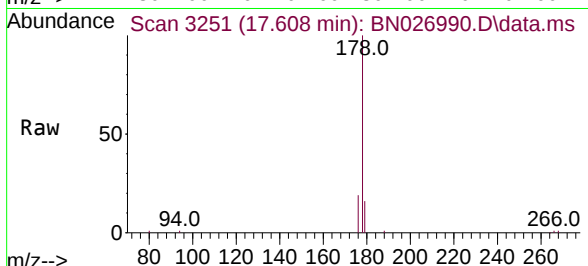




#16
 Anthracene
 Concen: 0.218 ng/ul
 RT: 17.608 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN026990.D
 Acq: 21 Aug 2023 13:25

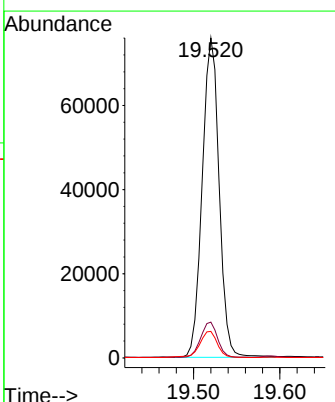
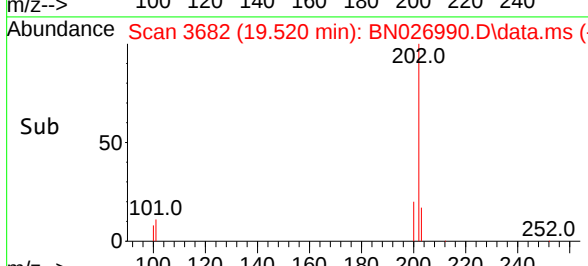
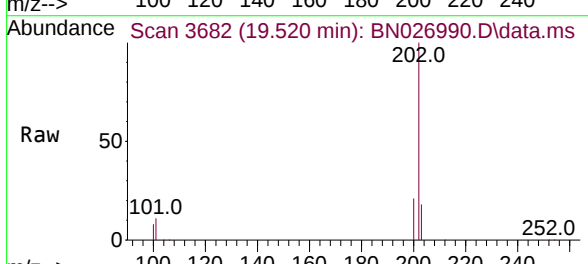
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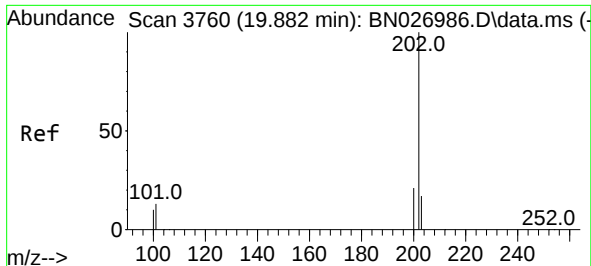
Tgt Ion:	178	Resp:	17894
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.6	19.0
176	19.4	15.0	22.6



#19
 Fluoranthene
 Concen: 1.088 ng/ul
 RT: 19.520 min Scan# 3682
 Delta R.T. -0.005 min
 Lab File: BN026990.D
 Acq: 21 Aug 2023 13:25

Tgt Ion:	202	Resp:	103435
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.3	12.5
100	8.3	6.2	9.2

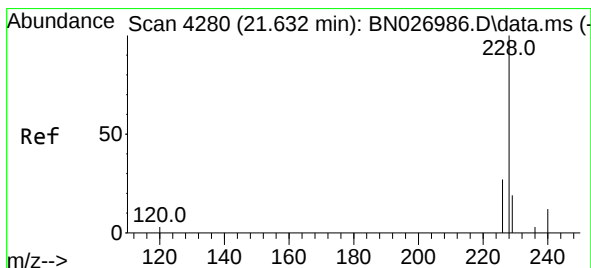
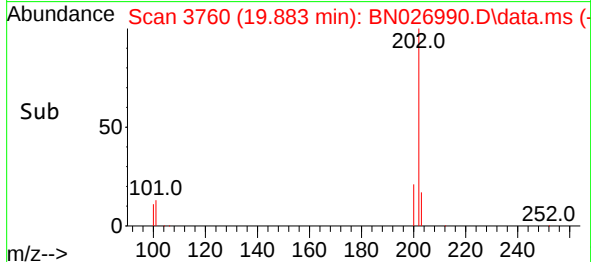
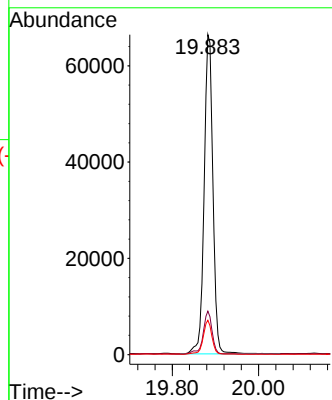
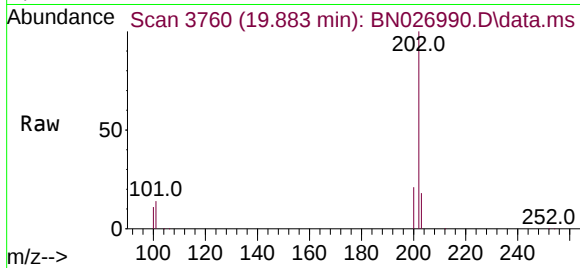




#20
Pyrene
Concen: 0.925 ng/ul
RT: 19.883 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

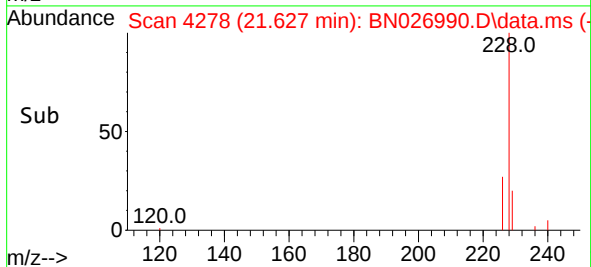
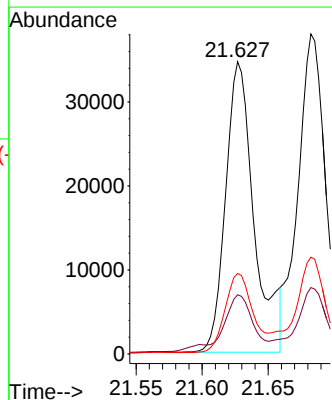
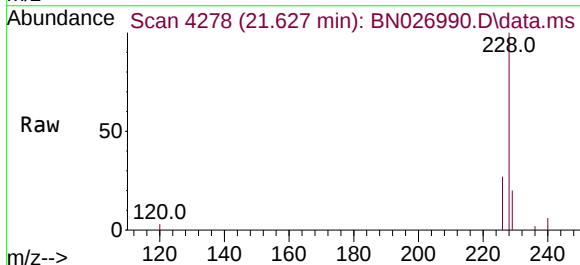
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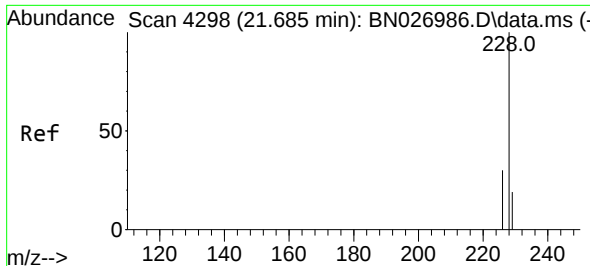
Tgt Ion:202 Resp: 93826
Ion Ratio Lower Upper
202 100
101 13.6 10.7 16.1
100 10.8 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.571 ng/ul
RT: 21.627 min Scan# 4278
Delta R.T. -0.006 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

Tgt Ion:228 Resp: 51948
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 27.5 22.2 33.2





#22

Chrysene

Concen: 0.610 ng/ul

RT: 21.682 min Scan# 4297

Delta R.T. -0.009 min

Lab File: BN026990.D

Acq: 21 Aug 2023 13:25

Instrument :

BNA_N

ClientSampleId :

A4832MSD

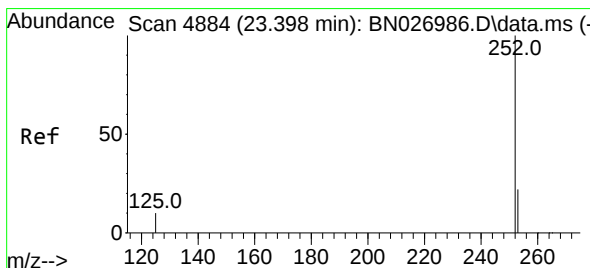
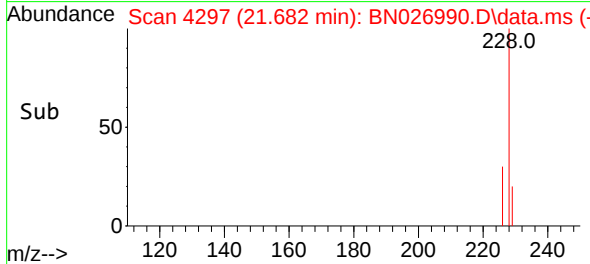
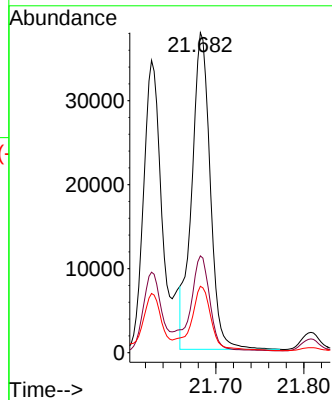
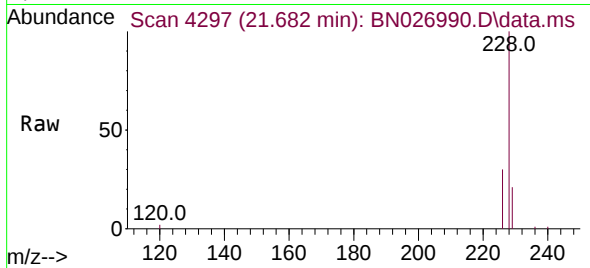
Tgt Ion:228 Resp: 54748

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

229 20.7 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 0.878 ng/ul

RT: 23.398 min Scan# 4884

Delta R.T. -0.009 min

Lab File: BN026990.D

Acq: 21 Aug 2023 13:25

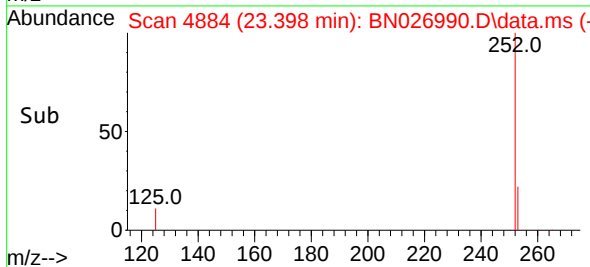
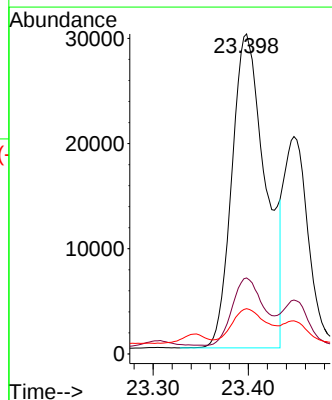
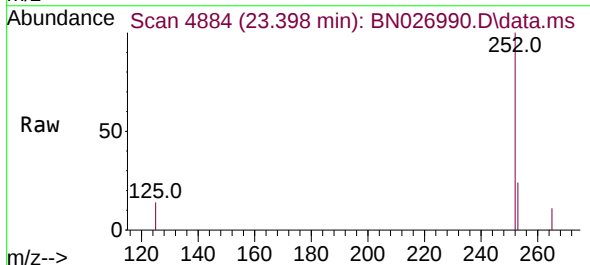
Tgt Ion:252 Resp: 73174

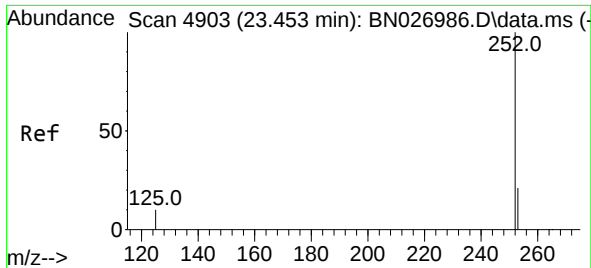
Ion Ratio Lower Upper

252 100

253 23.7 0.0 46.8

125 14.1 0.0 25.2

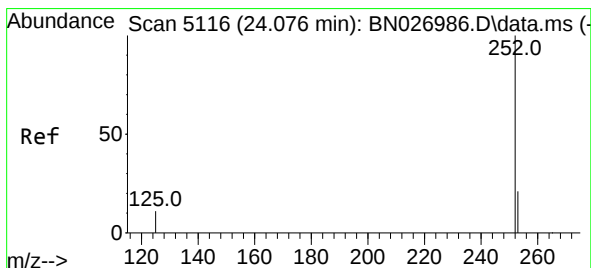
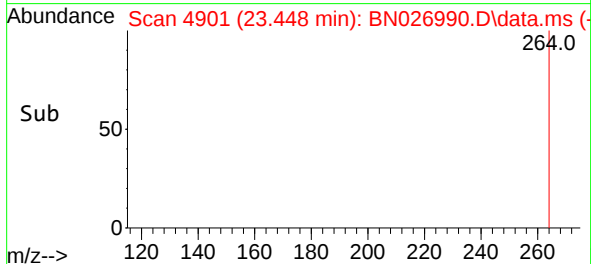
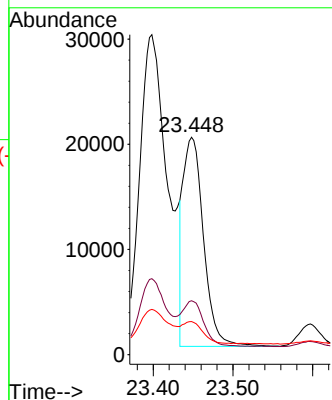
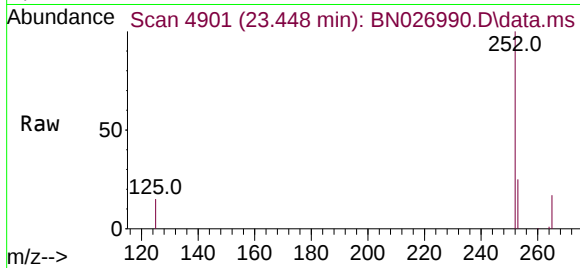




#25
Benzo(k)fluoranthene
Concen: 0.429 ng/ul
RT: 23.448 min Scan# 4901
Delta R.T. -0.012 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

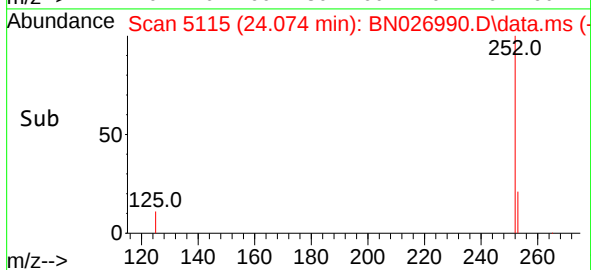
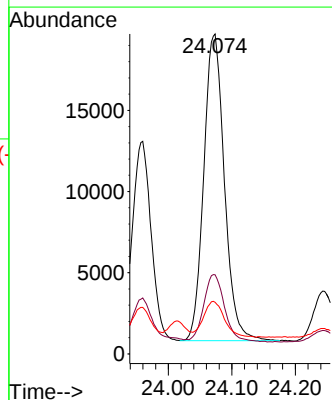
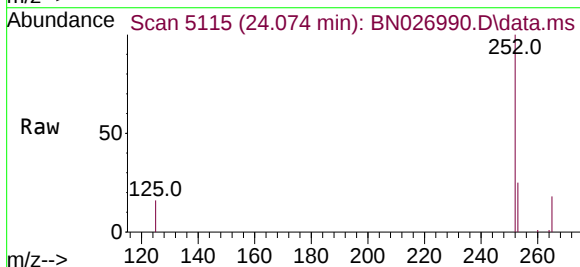
Instrument :
BNA_N
ClientSampleId :
A4832MSD

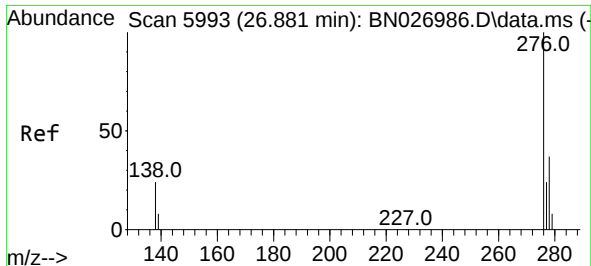
Tgt Ion:252 Resp: 35282
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.4
125 15.2 9.9 14.9#



#26
Benzo(a)pyrene
Concen: 0.567 ng/ul
RT: 24.074 min Scan# 5115
Delta R.T. -0.012 min
Lab File: BN026990.D
Acq: 21 Aug 2023 13:25

Tgt Ion:252 Resp: 42633
Ion Ratio Lower Upper
252 100
253 24.8 19.0 28.6
125 16.1 11.4 17.0

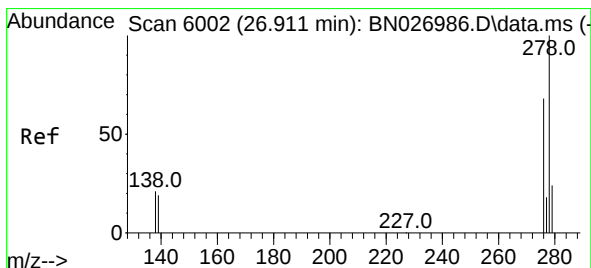
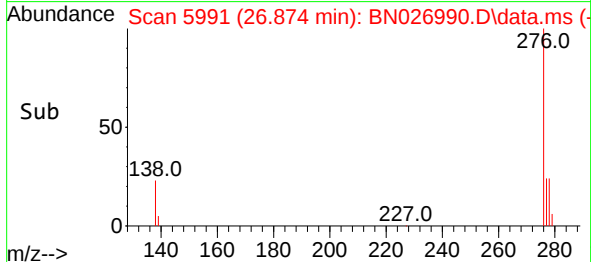
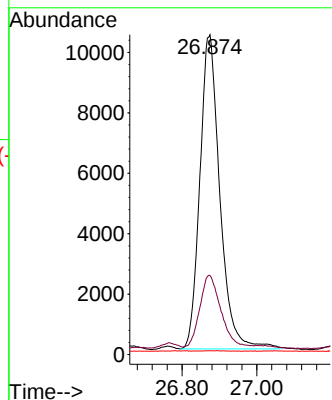
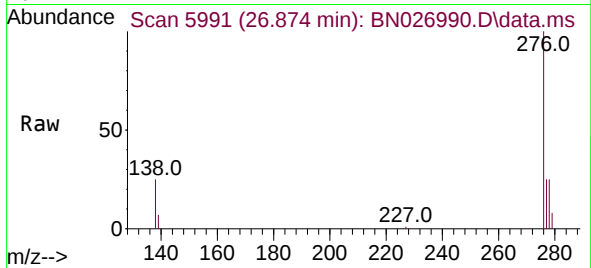




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng/ul
 RT: 26.874 min Scan# 5991
 Delta R.T. -0.010 min
 Lab File: BN026990.D
 Acq: 21 Aug 2023 13:25

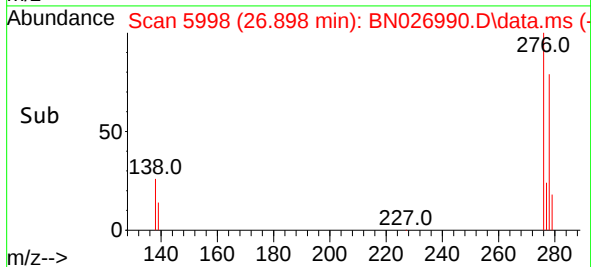
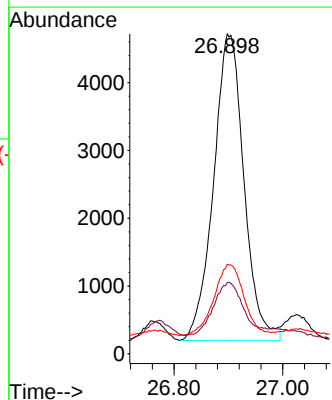
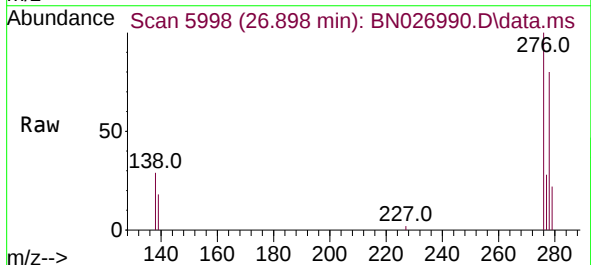
Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD

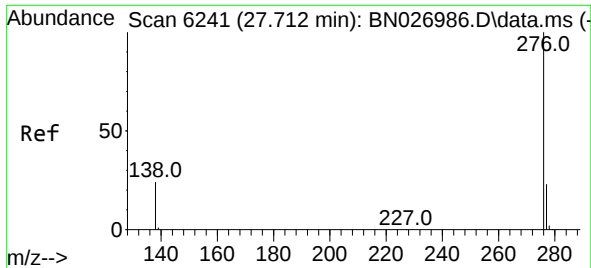
Tgt Ion:276 Resp: 38669
 Ion Ratio Lower Upper
 276 100
 138 24.9 21.6 32.4
 227 0.1 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.224 ng/ul
 RT: 26.898 min Scan# 5998
 Delta R.T. -0.024 min
 Lab File: BN026990.D
 Acq: 21 Aug 2023 13:25

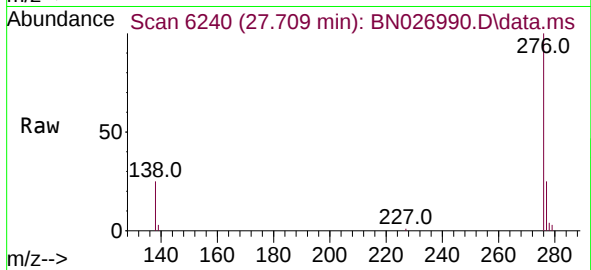
Tgt Ion:278 Resp: 17580
 Ion Ratio Lower Upper
 278 100
 139 22.3 15.7 23.5
 279 28.0 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 0.382 ng/ul
 RT: 27.709 min Scan# 61
 Delta R.T. -0.014 min
 Lab File: BN026990.D
 Acq: 21 Aug 2023 13:25

Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD



Tgt Ion:	276	Resp:	31310
Ion	Ratio	Lower	Upper
276	100		
138	25.2	19.3	28.9
277	25.3	19.8	29.8

