

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026989.D
 Acq On : 21 Aug 2023 12:47
 Operator : MA/JU
 Sample : 03965-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MS

Quant Time: Aug 22 01:38:09 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)

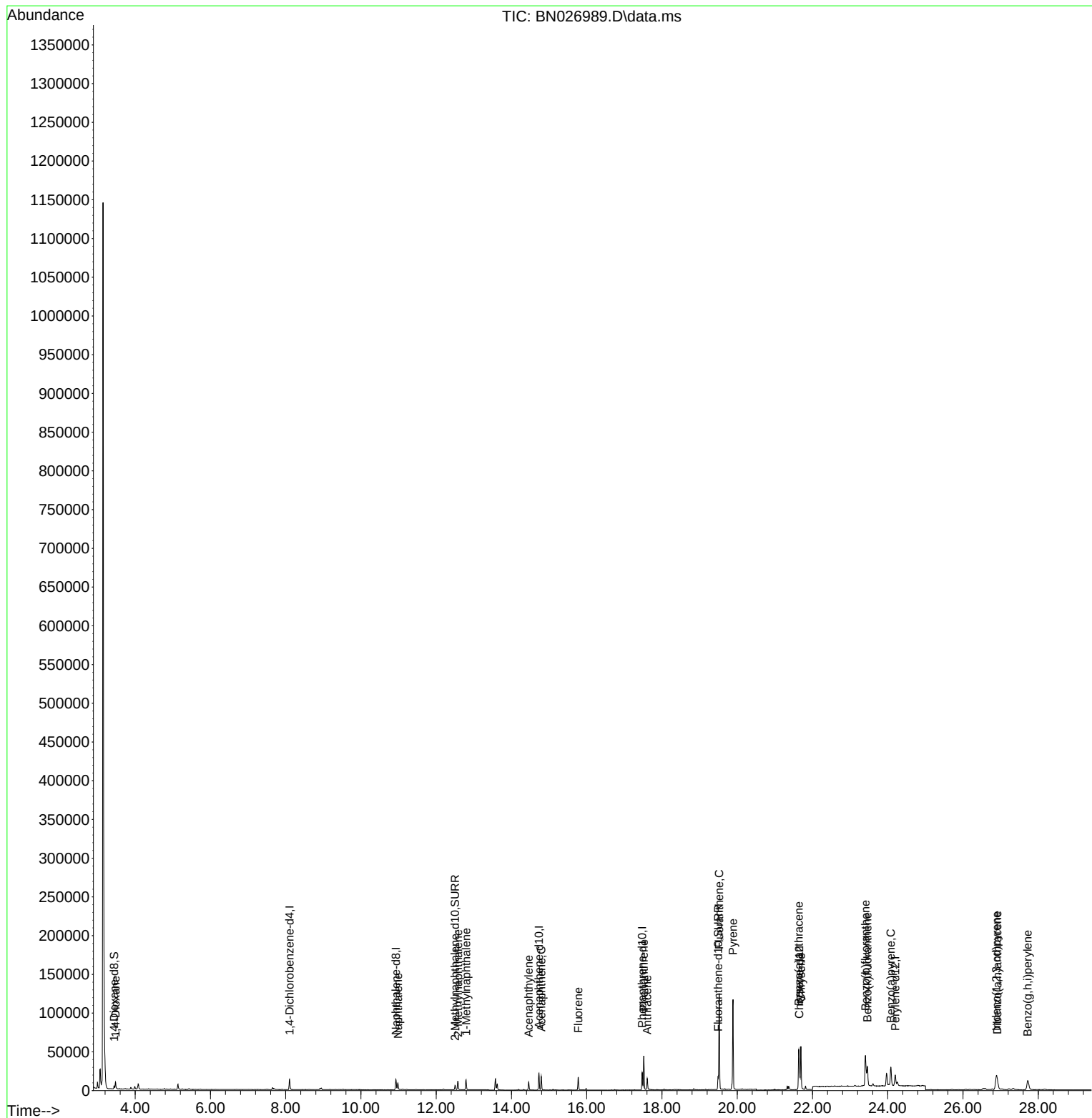
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6621	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	20664	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	12648	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	28239	0.400	ng/ul	0.00
17) Chrysene-d12	21.650	240	22669	0.400	ng/ul	0.00
23) Perylene-d12	24.199	264	21044	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	2808	0.357	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	7543	0.248	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	18687	0.261	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.477	88	6661	0.830	ng/ul	96
5) Naphthalene	10.982	128	13168	0.226	ng/ul	99
7) 2-Methylnaphthalene	12.577	142	8262	0.234	ng/ul	100
8) 1-Methylnaphthalene	12.792	142	8855	0.239	ng/ul	100
10) Acenaphthylene	14.458	152	12520	0.177	ng/ul	99
11) Acenaphthene	14.791	153	9884	0.202	ng/ul	99
12) Fluorene	15.776	166	11163	0.201	ng/ul	99
15) Phenanthrene	17.515	178	47818	0.515	ng/ul	99
16) Anthracene	17.608	178	18143	0.216	ng/ul	99
19) Fluoranthene	19.520	202	104589	1.111	ng/ul	99
20) Pyrene	19.887	202	94831	0.944	ng/ul	97
21) Benzo(a)anthracene	21.633	228	51954	0.576	ng/ul	100
22) Chrysene	21.691	228	53216	0.598	ng/ul	99
24) Benzo(b)fluoranthene	23.407	252	70813	0.890	ng/ul	98
25) Benzo(k)fluoranthene	23.457	252	34468	0.439	ng/ul#	94
26) Benzo(a)pyrene	24.082	252	40956	0.570	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.888	276	36846	0.392	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.911	278	16646	0.222	ng/ul	94
29) Benzo(g,h,i)perylene	27.719	276	29843	0.381	ng/ul	98

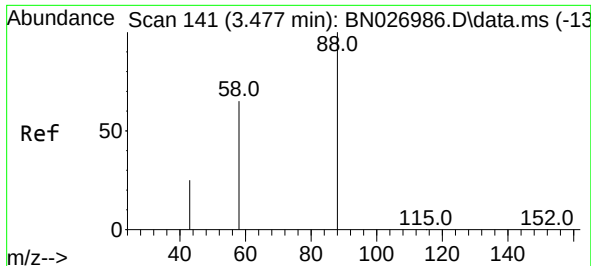
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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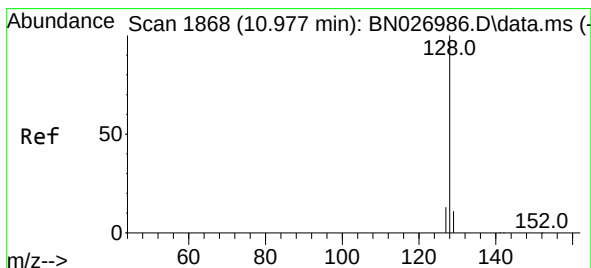
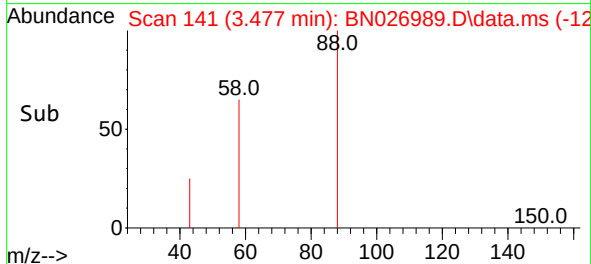
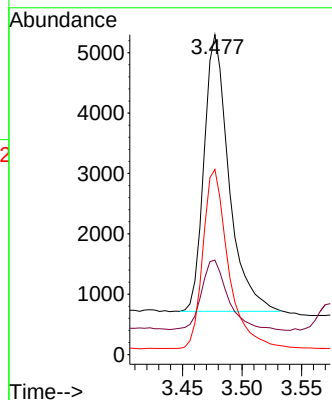
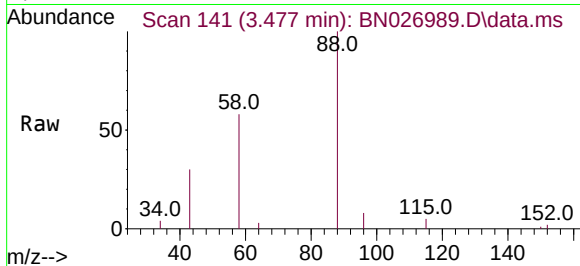




#2
1,4-Dioxane
Concen: 0.830 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

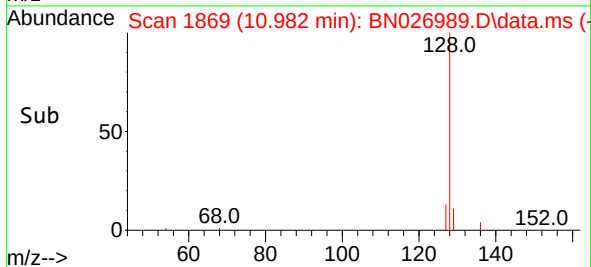
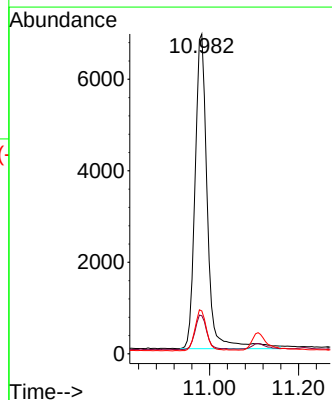
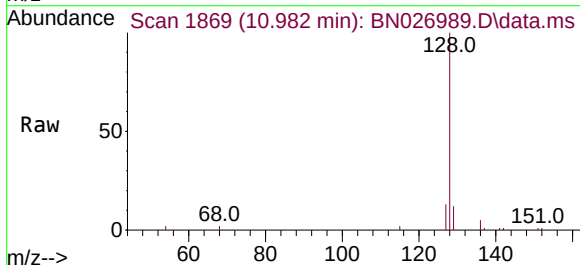
Instrument :
BNA_N
ClientSampleId :
A4832MS

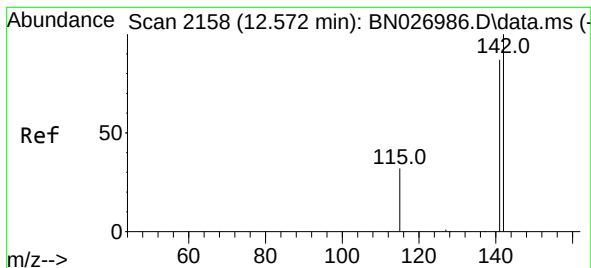
Tgt Ion: 88 Resp: 6661
Ion Ratio Lower Upper
88 100
43 29.5 28.0 42.0
58 57.9 46.0 69.0



#5
Naphthalene
Concen: 0.226 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Tgt Ion: 128 Resp: 13168
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 13.4 10.5 15.7

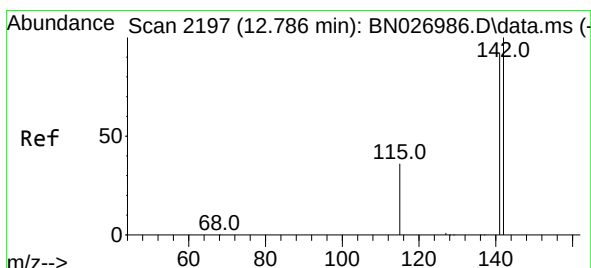
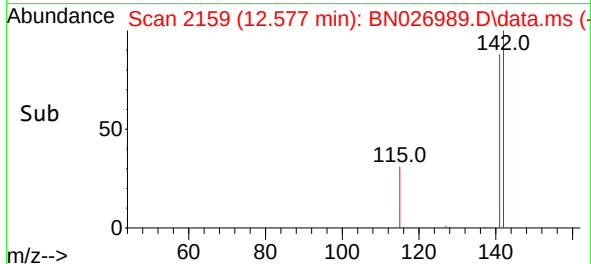
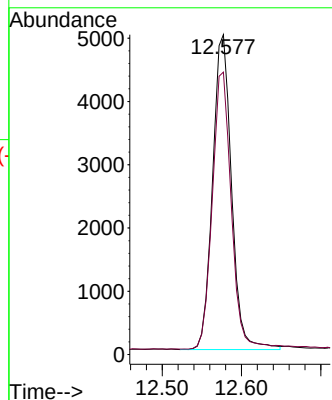
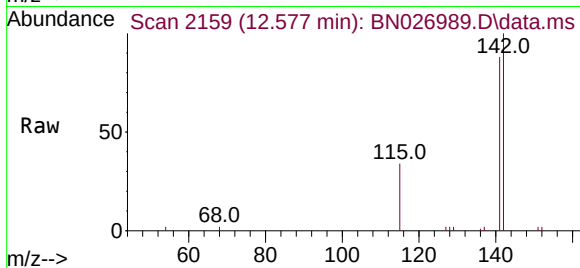




#7
2-Methylnaphthalene
Concen: 0.234 ng/ul
RT: 12.577 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

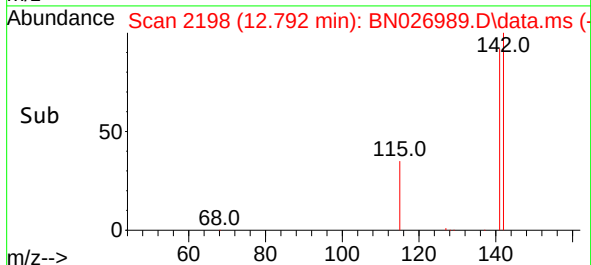
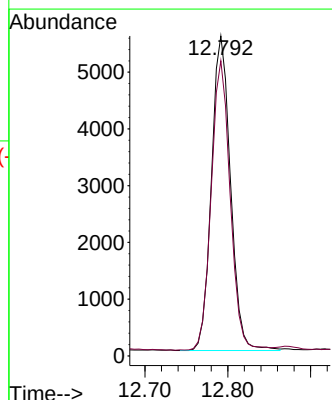
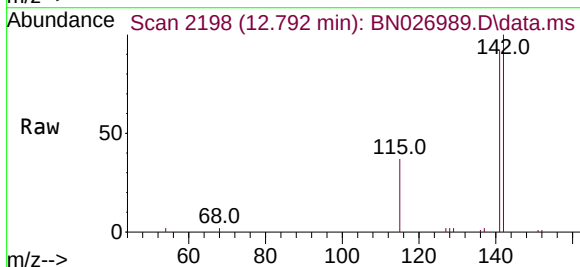
Instrument :
BNA_N
ClientSampleId :
A4832MS

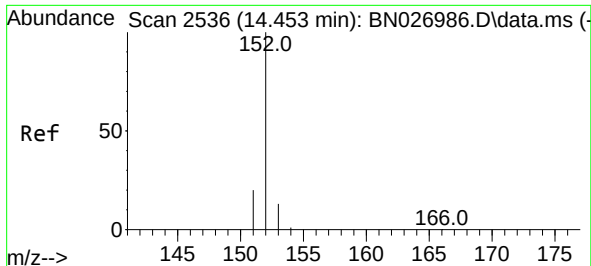
Tgt Ion:142 Resp: 8262
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.239 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Tgt Ion:142 Resp: 8855
Ion Ratio Lower Upper
142 100
141 91.6 73.2 109.8

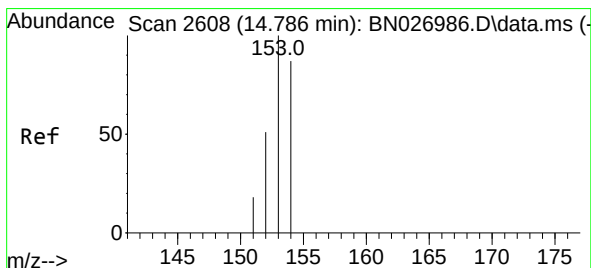
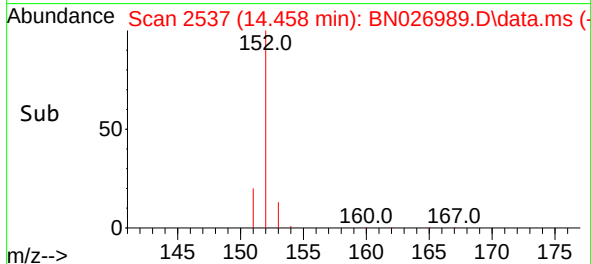
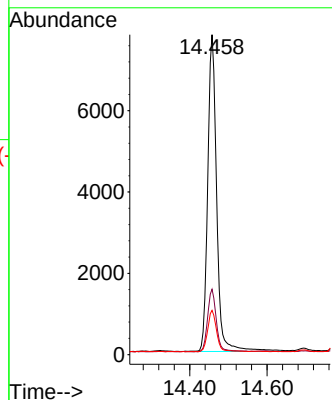
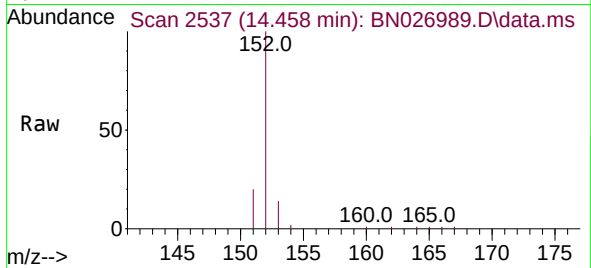




#10
Acenaphthylene
Concen: 0.177 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

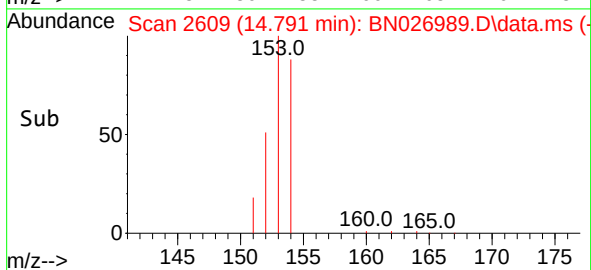
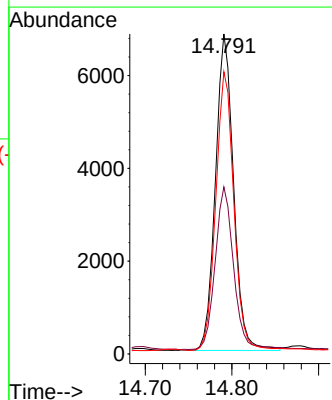
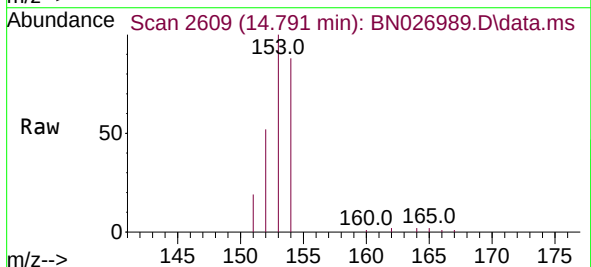
Instrument :
BNA_N
ClientSampleId :
A4832MS

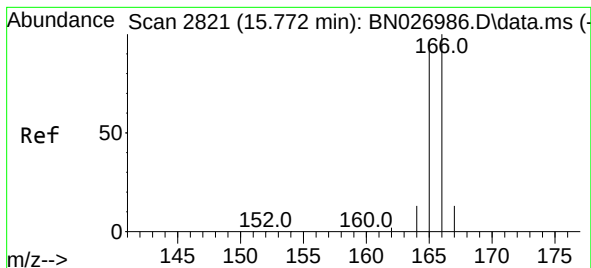
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.8	11.0	16.6



#11
Acenaphthene
Concen: 0.202 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.2	41.1	61.7
154	88.2	71.6	107.4





#12

Fluorene

Concen: 0.201 ng/ul

RT: 15.776 min Scan# 2821

Delta R.T. 0.005 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

Instrument :

BNA_N

ClientSampleId :

A4832MS

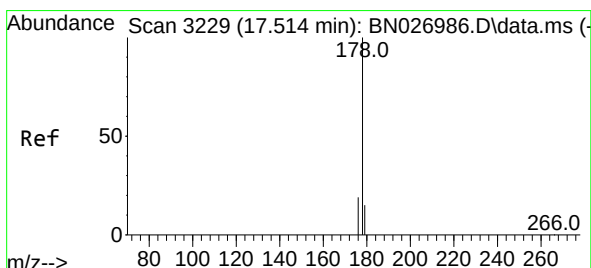
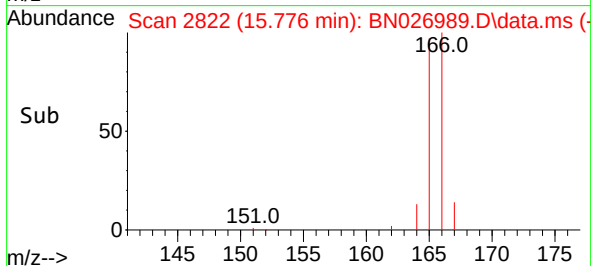
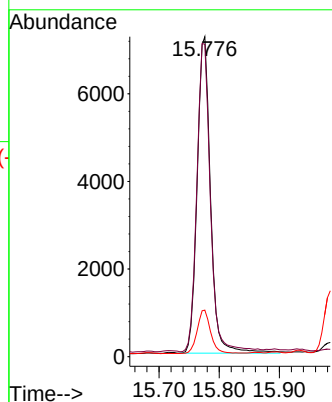
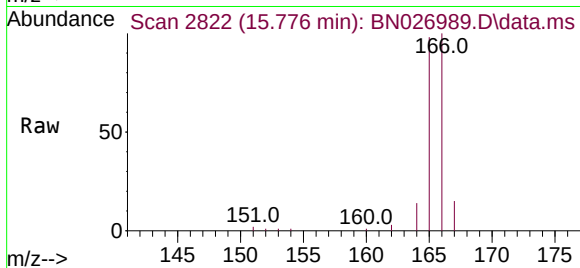
Tgt Ion:166 Resp: 11163

Ion Ratio Lower Upper

166 100

165 97.6 79.1 118.7

167 14.5 11.4 17.0



#15

Phenanthrene

Concen: 0.515 ng/ul

RT: 17.515 min Scan# 3229

Delta R.T. -0.004 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

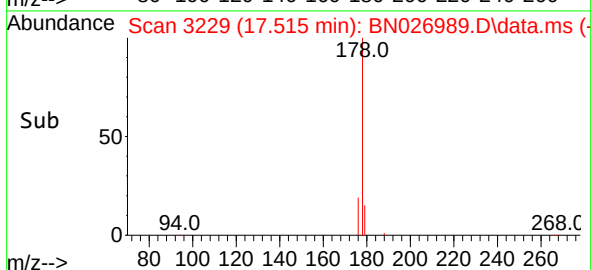
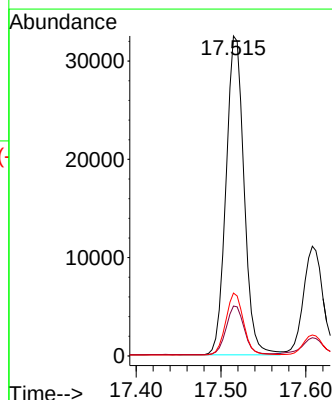
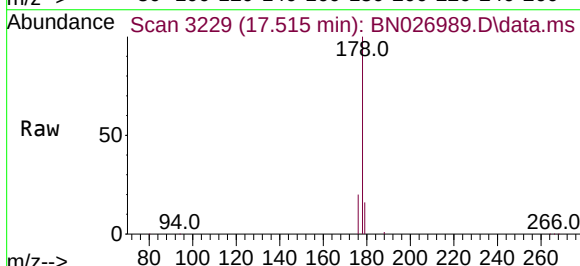
Tgt Ion:178 Resp: 47818

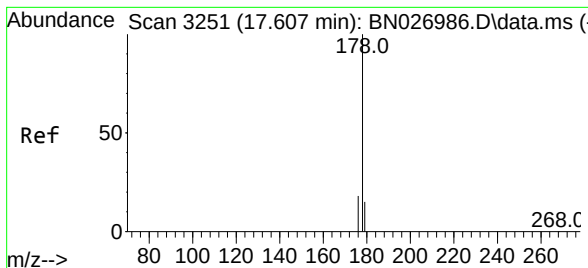
Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 19.6 15.4 23.2





#16

Anthracene

Concen: 0.216 ng/ul

RT: 17.608 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

Instrument :

BNA_N

ClientSampleId :

A4832MS

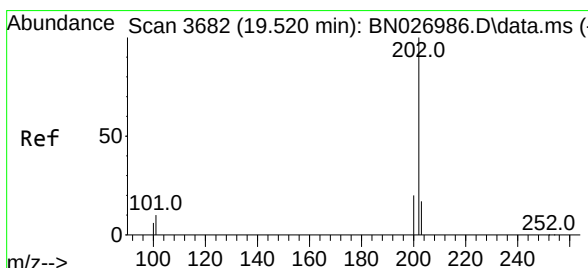
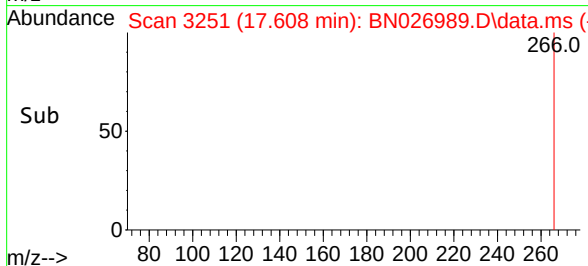
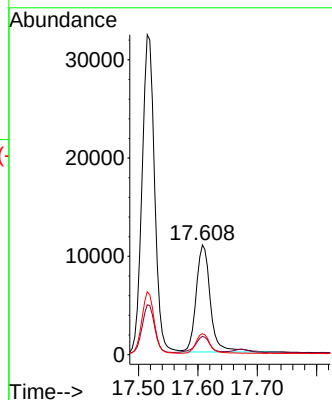
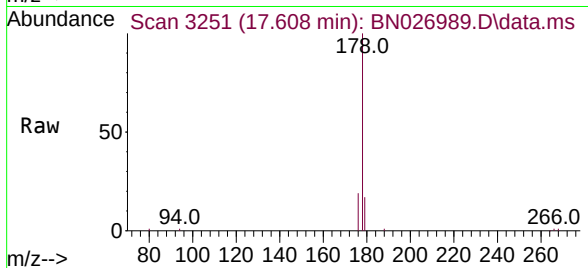
Tgt Ion:178 Resp: 18143

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

176 19.1 15.0 22.6



#19

Fluoranthene

Concen: 1.111 ng/ul

RT: 19.520 min Scan# 3682

Delta R.T. -0.005 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

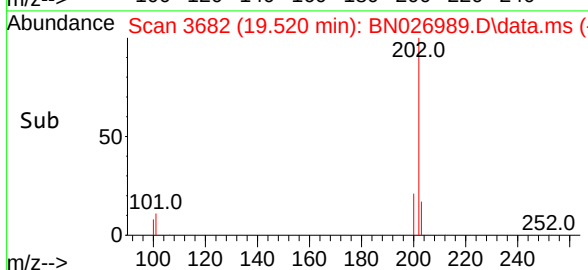
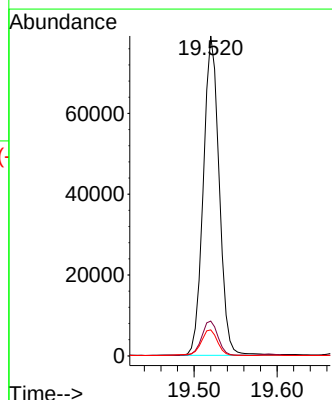
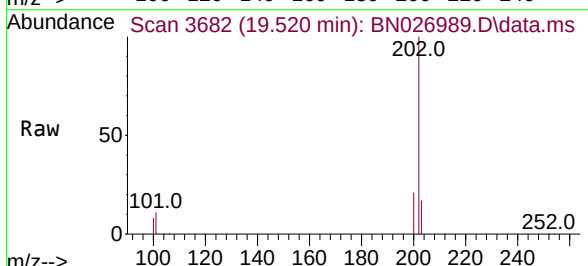
Tgt Ion:202 Resp: 104589

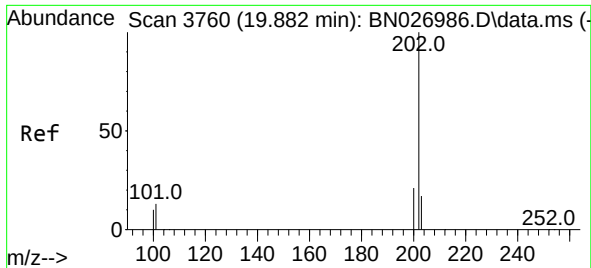
Ion Ratio Lower Upper

202 100

101 10.9 8.3 12.5

100 8.1 6.2 9.2

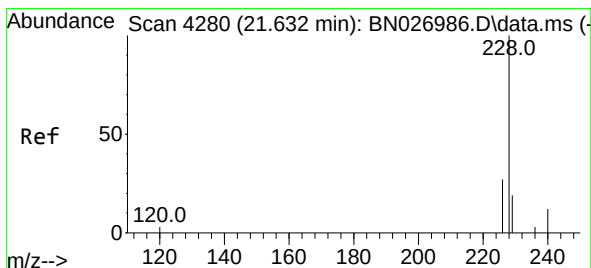
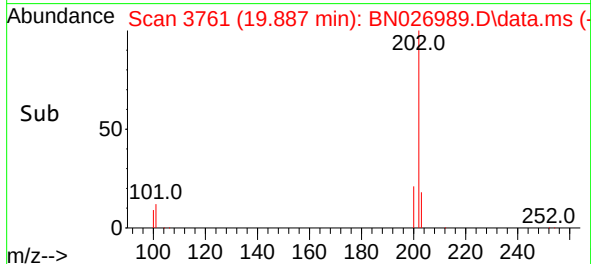
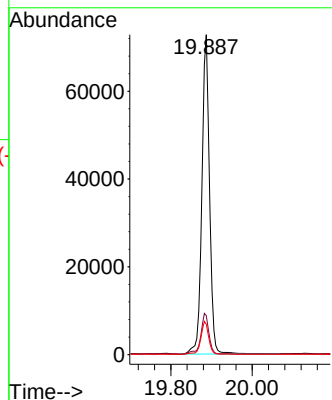
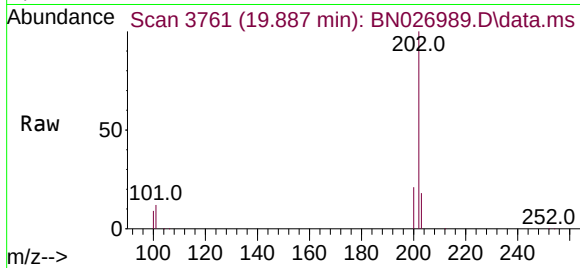




#20
Pyrene
Concen: 0.944 ng/ul
RT: 19.887 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

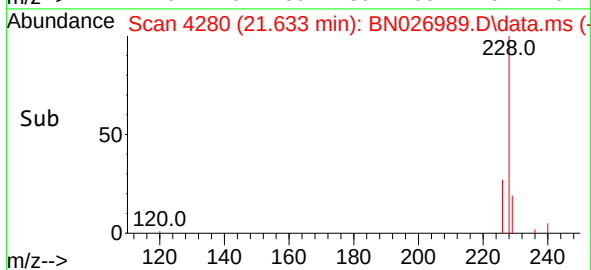
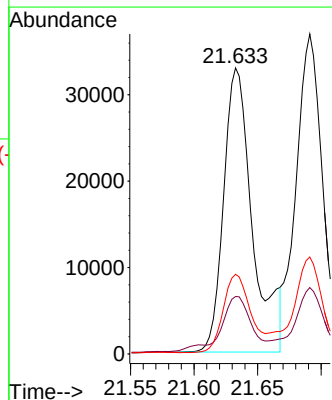
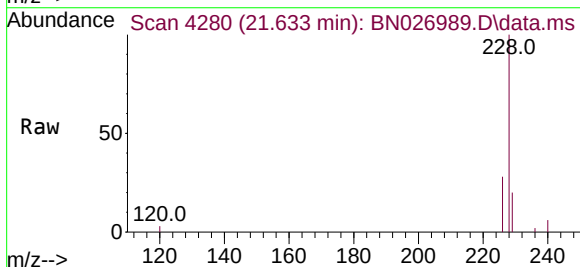
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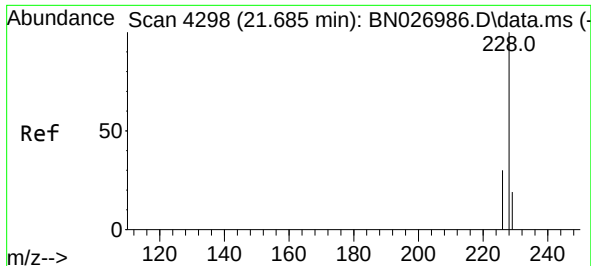
Tgt Ion:202 Resp: 94831
Ion Ratio Lower Upper
202 100
101 12.2 10.7 16.1
100 9.5 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.576 ng/ul
RT: 21.633 min Scan# 4280
Delta R.T. 0.000 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Tgt Ion:228 Resp: 51954
Ion Ratio Lower Upper
228 100
229 20.0 16.0 24.0
226 27.8 22.2 33.2





#22

Chrysene

Concen: 0.598 ng/ul

RT: 21.691 min Scan# 4300

Delta R.T. 0.000 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

Instrument :

BNA_N

ClientSampleId :

A4832MS

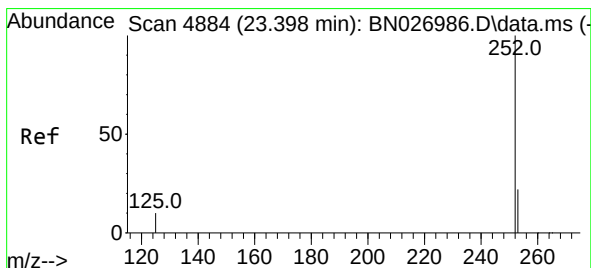
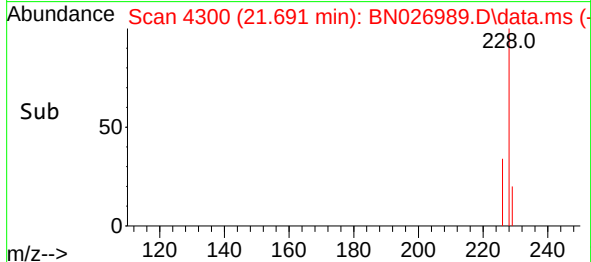
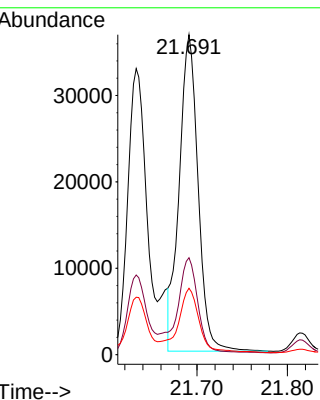
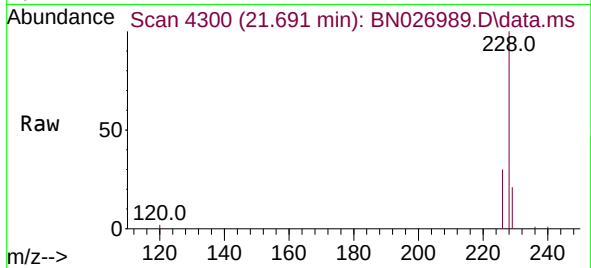
Tgt Ion:228 Resp: 53216

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 20.7 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 0.890 ng/ul

RT: 23.407 min Scan# 4887

Delta R.T. 0.000 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

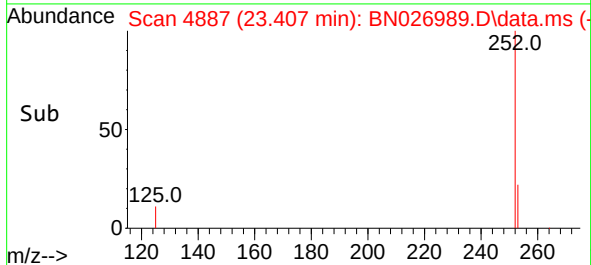
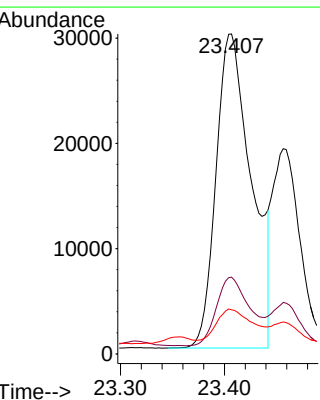
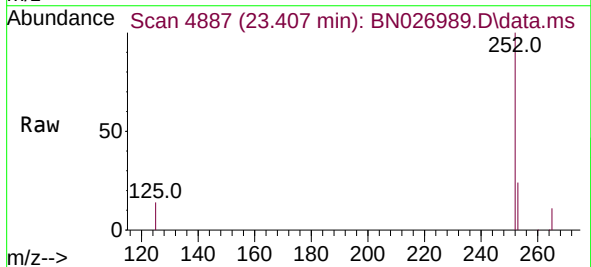
Tgt Ion:252 Resp: 70813

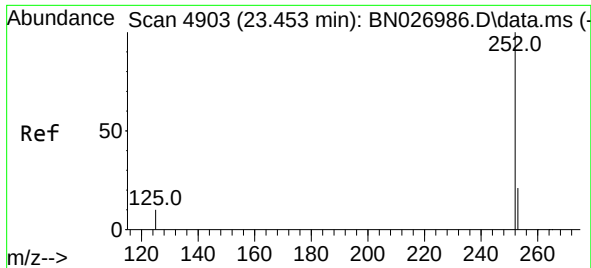
Ion Ratio Lower Upper

252 100

253 24.0 0.0 46.8

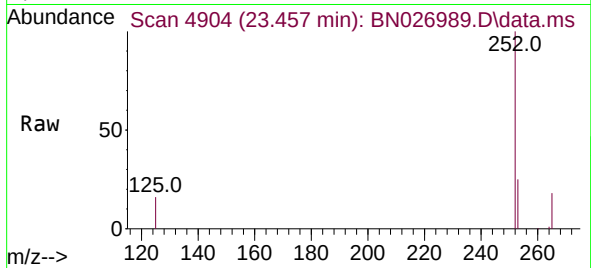
125 13.8 0.0 25.2



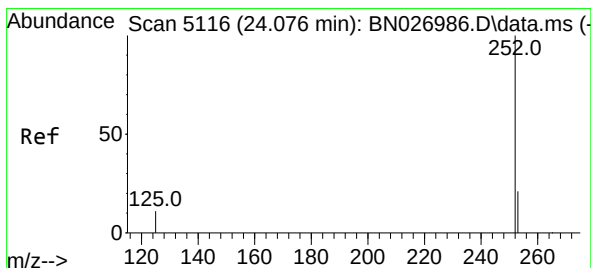
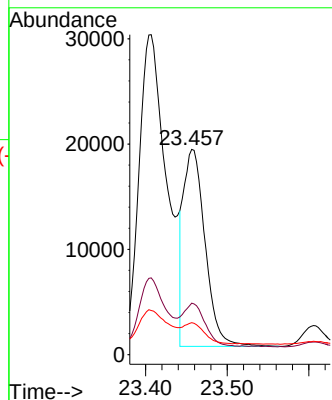
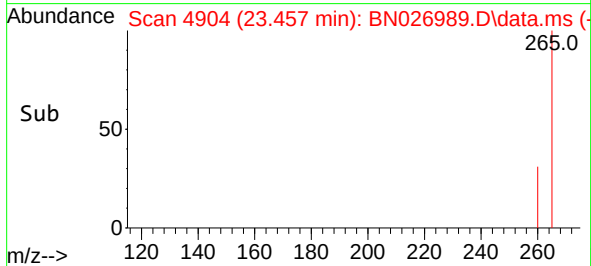


#25
Benzo(k)fluoranthene
Concen: 0.439 ng/ul
RT: 23.457 min Scan# 4904
Delta R.T. -0.003 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Instrument :
BNA_N
ClientSampleId :
A4832MS

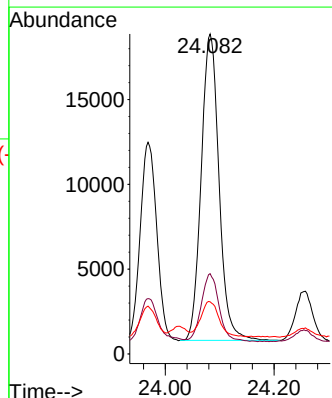
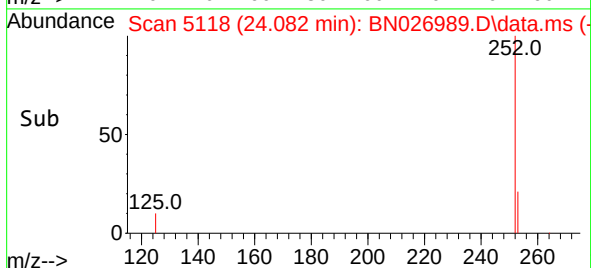
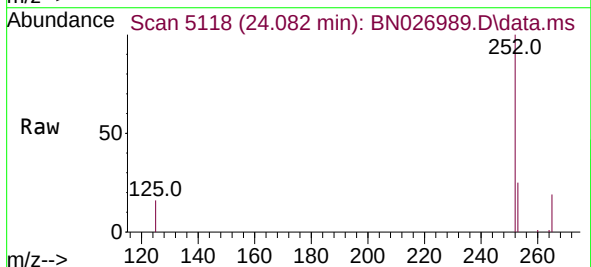


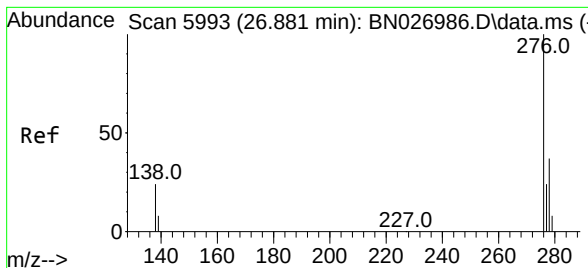
Tgt Ion:252 Resp: 34468
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.4
125 15.6 9.9 14.9#



#26
Benzo(a)pyrene
Concen: 0.570 ng/ul
RT: 24.082 min Scan# 5118
Delta R.T. -0.003 min
Lab File: BN026989.D
Acq: 21 Aug 2023 12:47

Tgt Ion:252 Resp: 40956
Ion Ratio Lower Upper
252 100
253 25.1 19.0 28.6
125 16.3 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.392 ng/ul

RT: 26.888 min Scan# 5995

Delta R.T. 0.003 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

Instrument :

BNA_N

ClientSampleId :

A4832MS

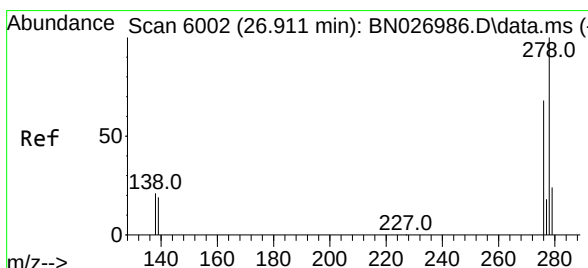
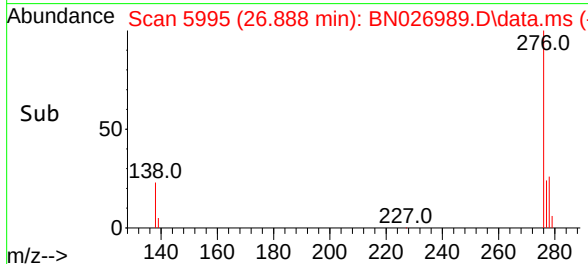
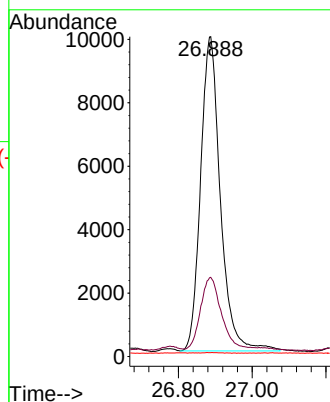
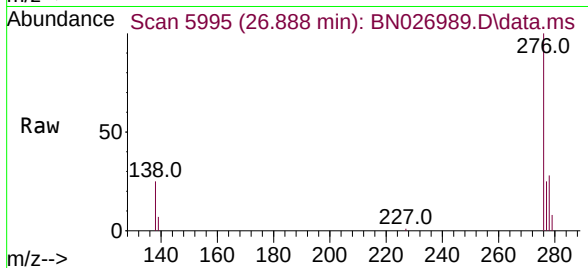
Tgt Ion:276 Resp: 36846

Ion Ratio Lower Upper

276 100

138 24.6 21.6 32.4

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.222 ng/ul

RT: 26.911 min Scan# 6002

Delta R.T. -0.010 min

Lab File: BN026989.D

Acq: 21 Aug 2023 12:47

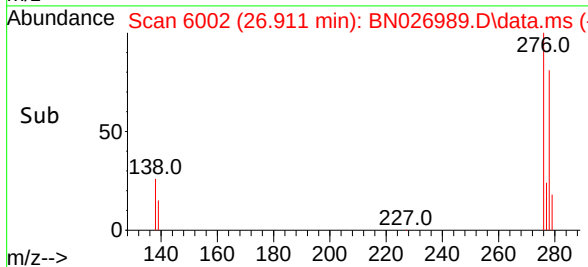
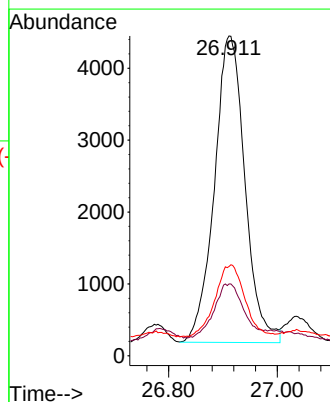
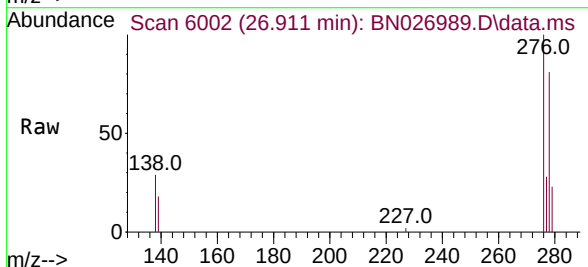
Tgt Ion:278 Resp: 16646

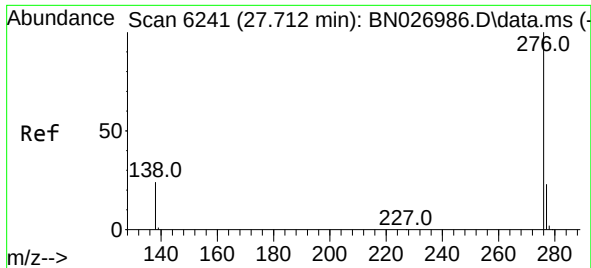
Ion Ratio Lower Upper

278 100

139 22.4 15.7 23.5

279 27.9 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 0.381 ng/ul
 RT: 27.719 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: BN026989.D
 Acq: 21 Aug 2023 12:47

Instrument :
 BNA_N
 ClientSampleId :
 A4832MS

Tgt Ion:	276	Resp:	29843
Ion Ratio	Lower	Upper	
276	100		
138	25.4	19.3	28.9
277	25.7	19.8	29.8

