

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026993.D
 Acq On : 21 Aug 2023 15:17
 Operator : MA/JU
 Sample : 03967-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48K2MSD

Quant Time: Aug 22 01:38:52 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)

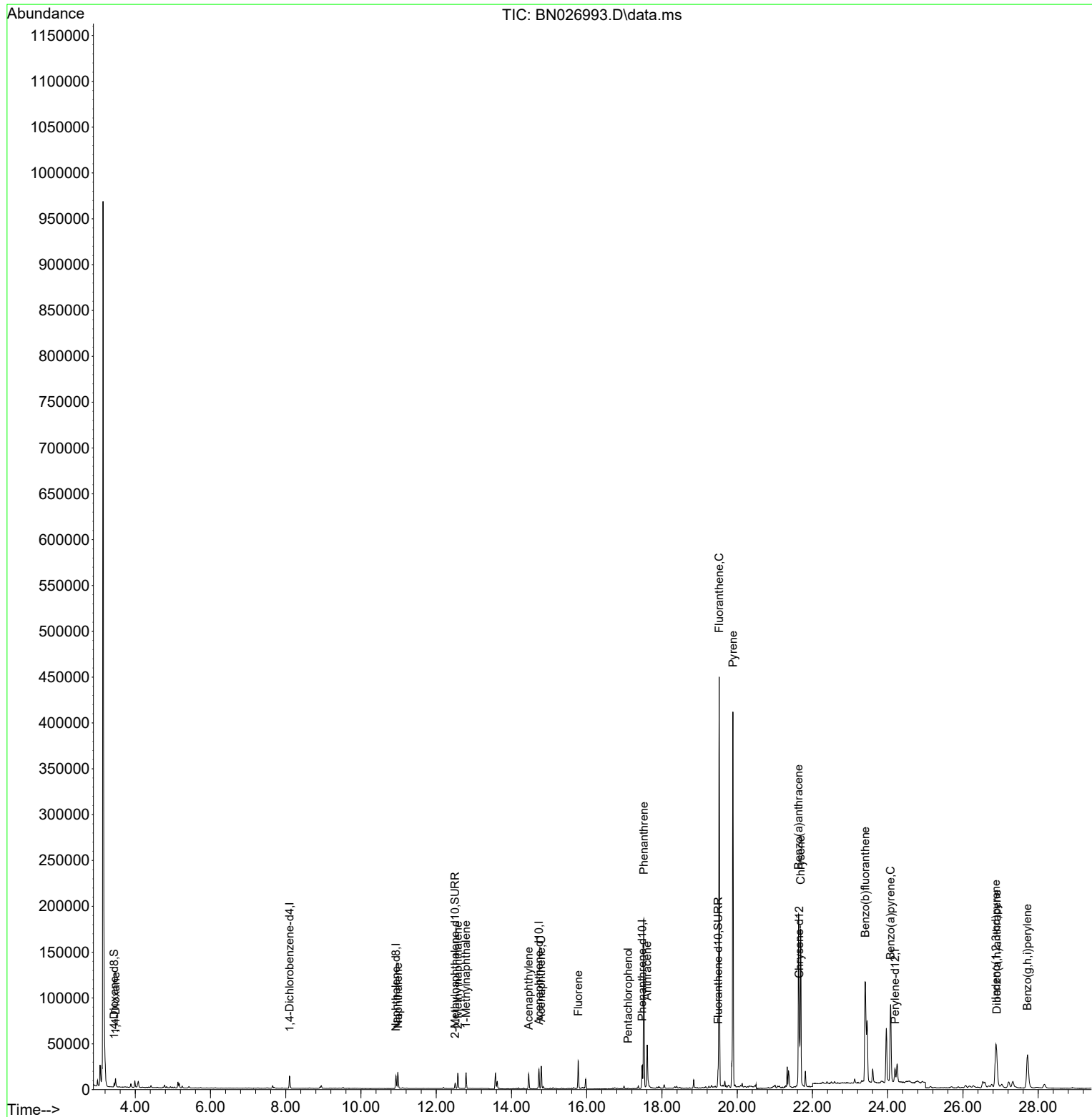
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6597	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	20541	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	12363	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.476	188	30788	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	24131	0.400	ng/ul	0.00
23) Perylene-d12	24.193	264	23781	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	2902	0.371	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	7862	0.260	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	20120	0.264	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.477	88	6787	0.849	ng/ul	96
5) Naphthalene	10.982	128	26473	0.456	ng/ul	100
7) 2-Methylnaphthalene	12.577	142	12273	0.349	ng/ul	99
8) 1-Methylnaphthalene	12.792	142	11610	0.315	ng/ul	100
10) Acenaphthylene	14.458	152	19488	0.281	ng/ul	99
11) Acenaphthene	14.791	153	14490	0.302	ng/ul	98
12) Fluorene	15.772	166	19777	0.365	ng/ul	100
14) Pentachlorophenol	17.101	266	491	0.056	ng/ul	97
15) Phenanthrene	17.519	178	199790	1.975	ng/ul	99
16) Anthracene	17.607	178	55762	0.610	ng/ul	100
19) Fluoranthene	19.520	202	369168	3.683	ng/ul	98
20) Pyrene	19.887	202	329932	3.085	ng/ul	97
21) Benzo(a)anthracene	21.629	228	173293	1.806	ng/ul	99
22) Chrysene	21.688	228	173959	1.836	ng/ul	98
24) Benzo(b)fluoranthene	23.404	252	305756	3.399	ng/ul	99
26) Benzo(a)pyrene	24.076	252	137276	1.691	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.877	276	96015	0.904	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.904	278	33901	0.401	ng/ul	96
29) Benzo(g,h,i)perylene	27.716	276	89330	1.010	ng/ul	99

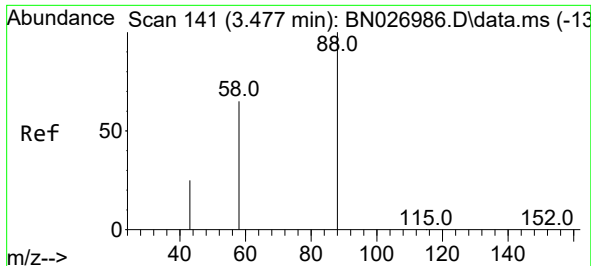
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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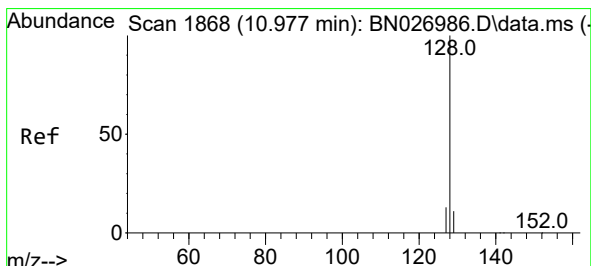
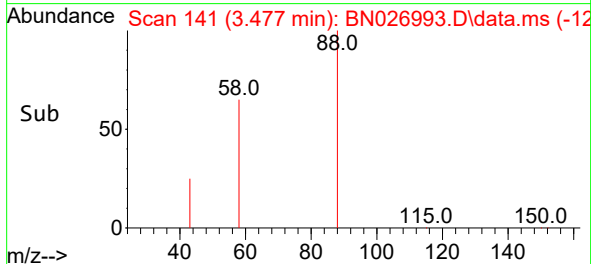
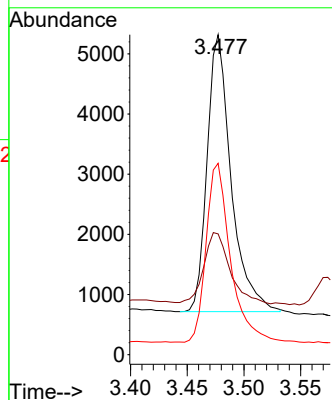
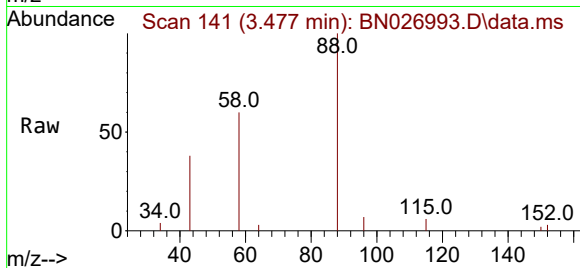




#2
1,4-Dioxane
Concen: 0.849 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

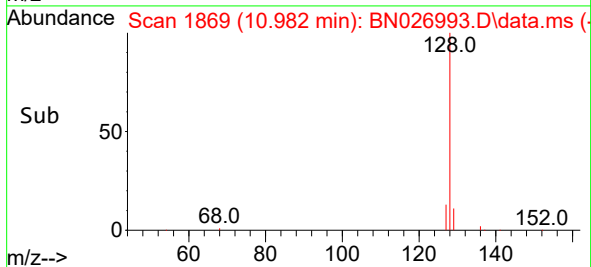
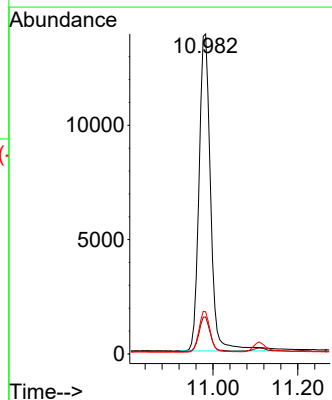
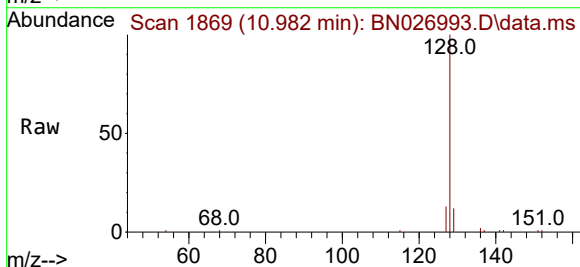
Instrument :
BNA_N
ClientSampleId :
A48K2MSD

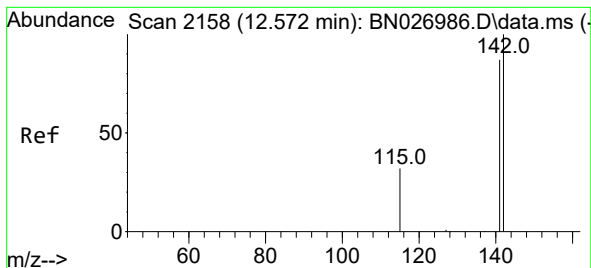
Tgt Ion: 88 Resp: 6787
Ion Ratio Lower Upper
88 100
43 37.8 28.0 42.0
58 59.8 46.0 69.0



#5
Naphthalene
Concen: 0.456 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion: 128 Resp: 26473
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.2 10.5 15.7

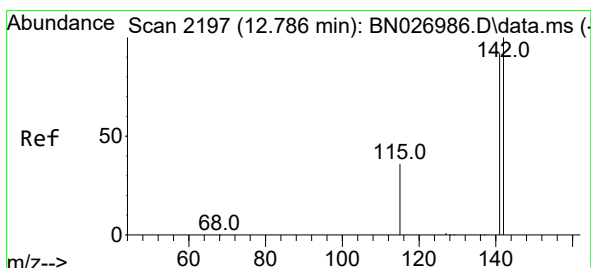
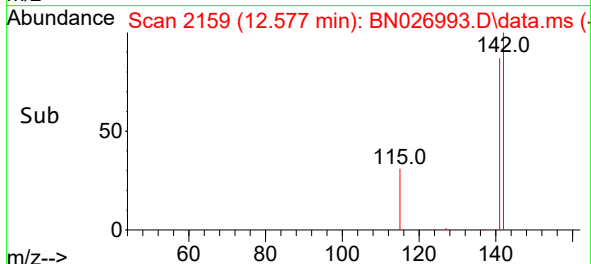
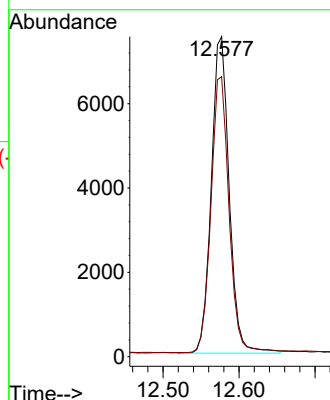
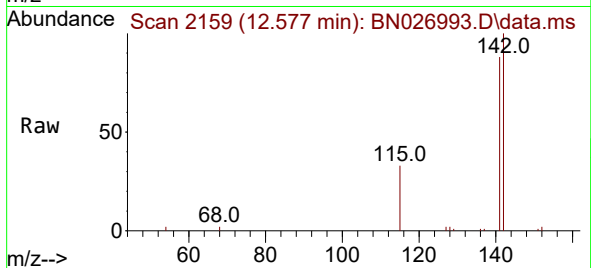




#7
2-Methylnaphthalene
Concen: 0.349 ng/ul
RT: 12.577 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

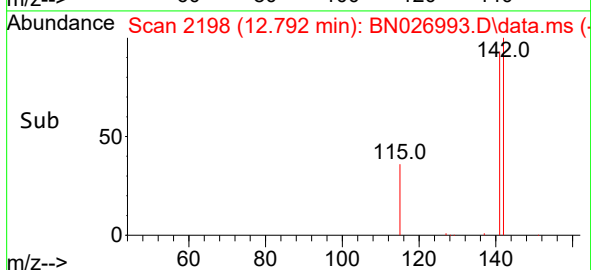
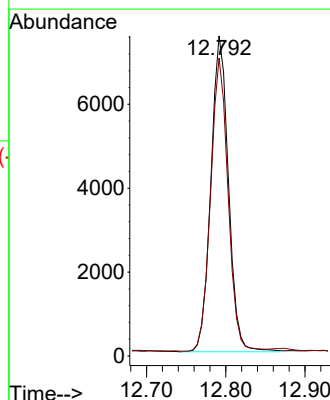
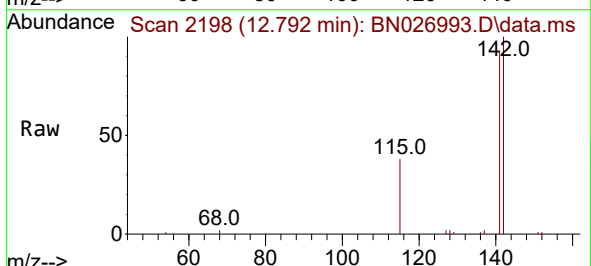
Instrument :
BNA_N
ClientSampleId :
A48K2MSD

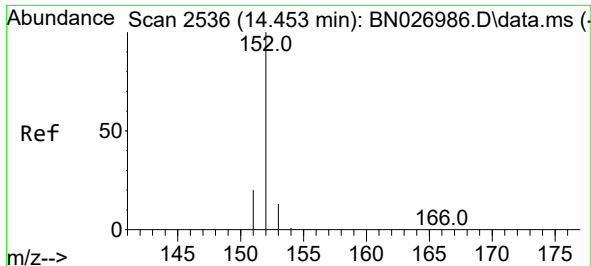
Tgt Ion:142 Resp: 12273
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.315 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:142 Resp: 11610
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8

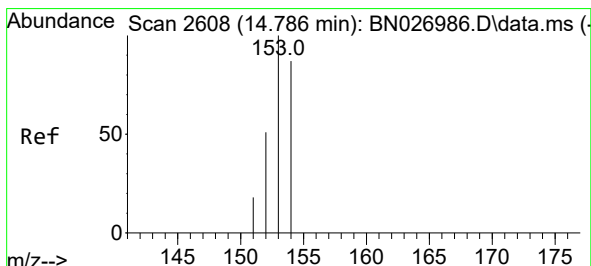
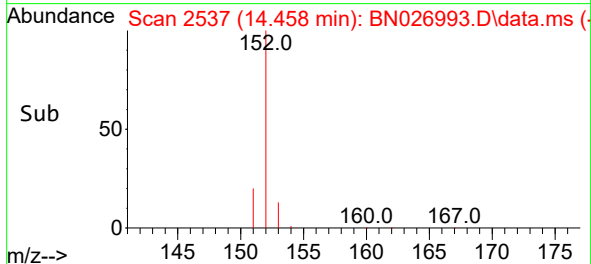
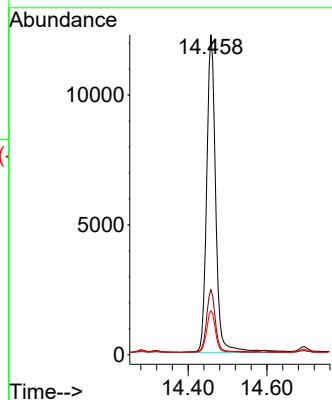
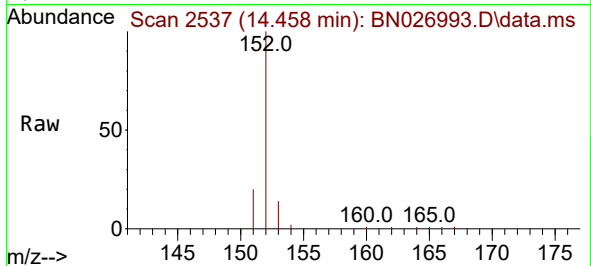




#10
Acenaphthylene
Concen: 0.281 ng/ul
RT: 14.458 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

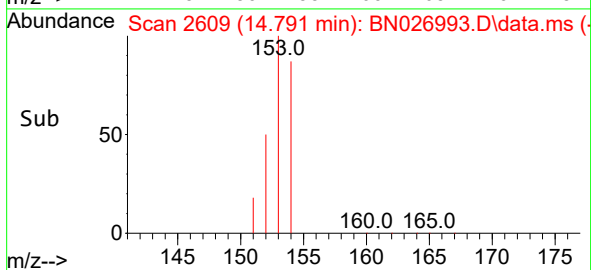
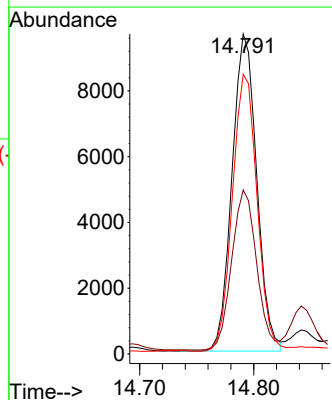
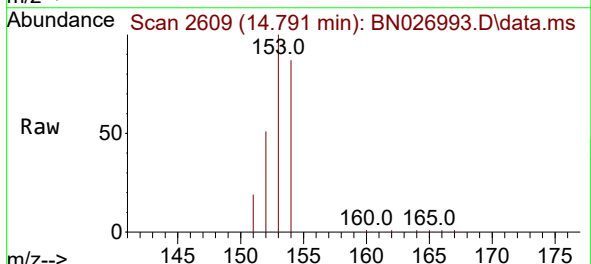
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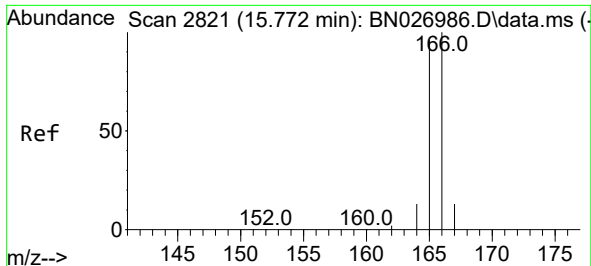
Tgt Ion:152 Resp: 19488
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.7 11.0 16.6



#11
Acenaphthene
Concen: 0.302 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:153 Resp: 14490
Ion Ratio Lower Upper
153 100
152 51.3 41.1 61.7
154 87.4 71.6 107.4

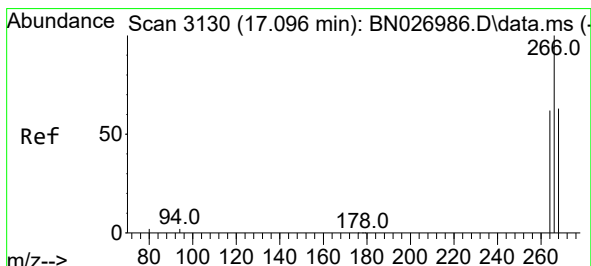
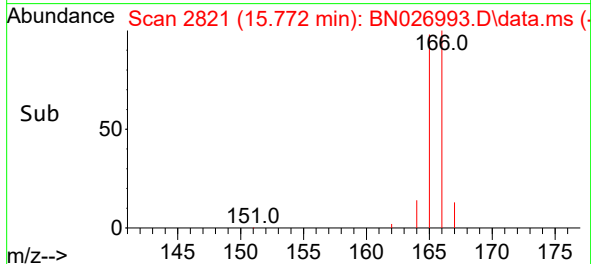
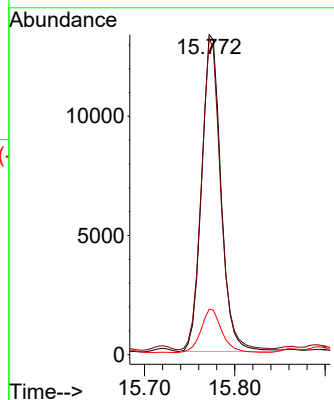
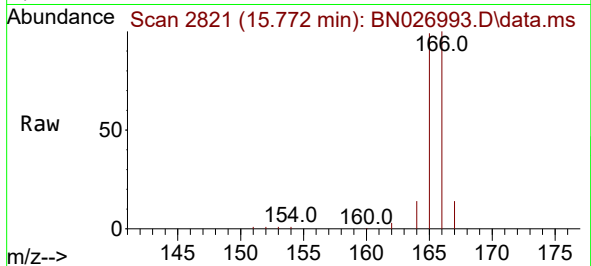




#12
Fluorene
Concen: 0.365 ng/ul
RT: 15.772 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

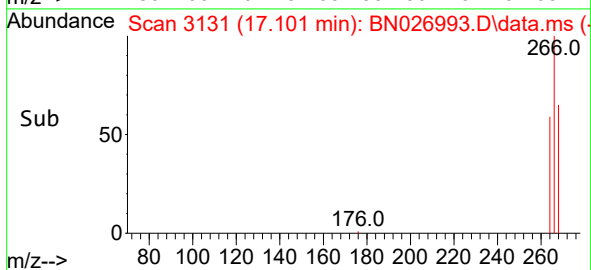
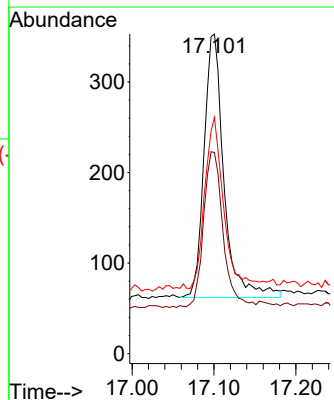
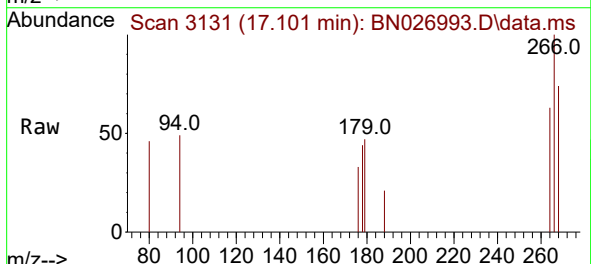
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BNA_N
ClientSampleId :
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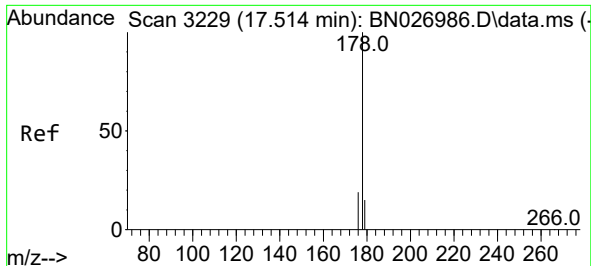
Tgt Ion:166 Resp: 19777
Ion Ratio Lower Upper
166 100
165 98.8 79.1 118.7
167 14.2 11.4 17.0



#14
Pentachlorophenol
Concen: 0.056 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:266 Resp: 491
Ion Ratio Lower Upper
266 100
264 58.0 50.4 75.6
268 64.2 51.2 76.8

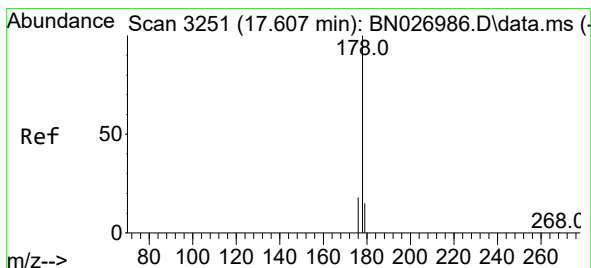
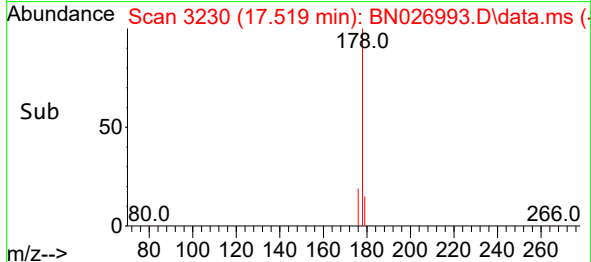
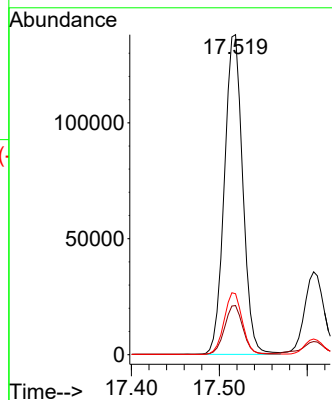
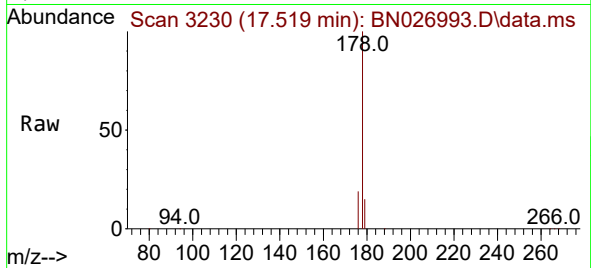




#15
Phenanthrene
Concen: 1.975 ng/ul
RT: 17.519 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

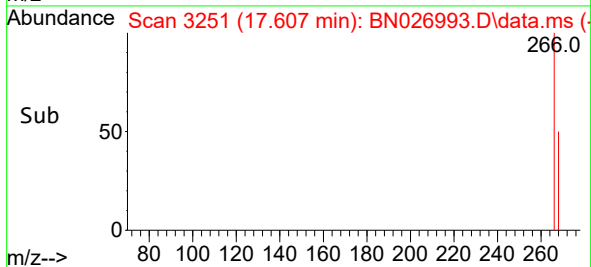
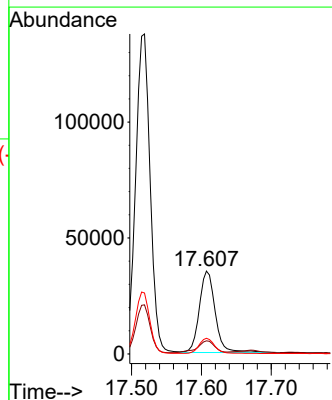
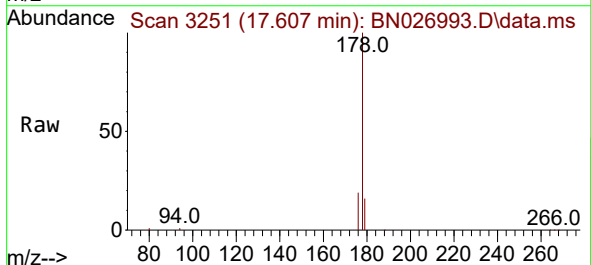
Instrument :
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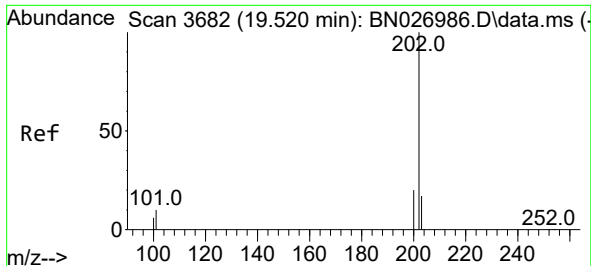
Tgt Ion:178 Resp: 199790
Ion Ratio Lower Upper
178 100
179 15.3 12.6 18.8
176 19.1 15.4 23.2



#16
Anthracene
Concen: 0.610 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:178 Resp: 55762
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 18.9 15.0 22.6

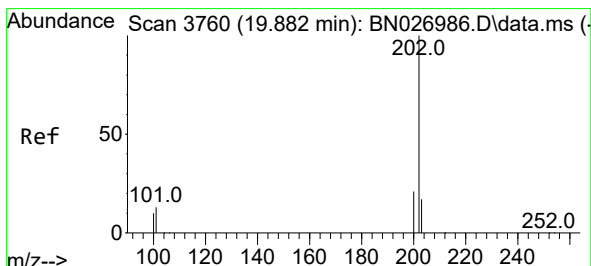
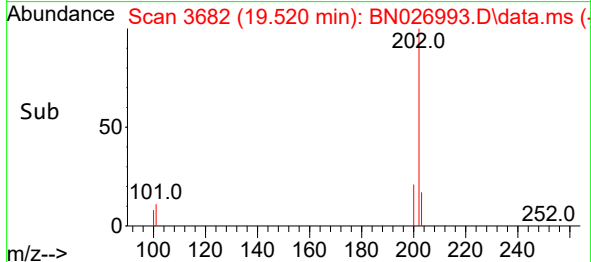
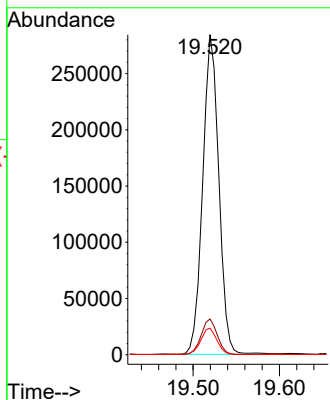
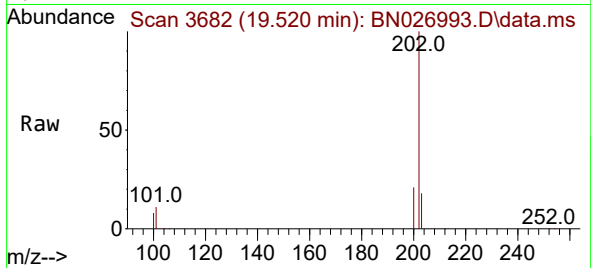




#19
Fluoranthene
Concen: 3.683 ng/u1
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

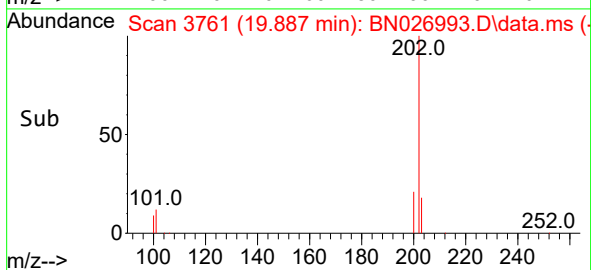
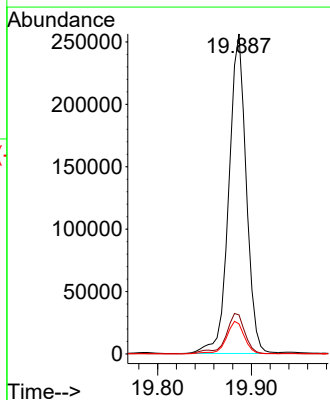
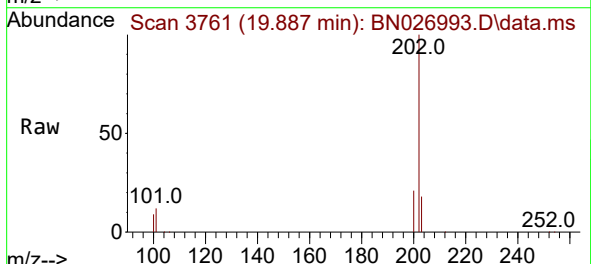
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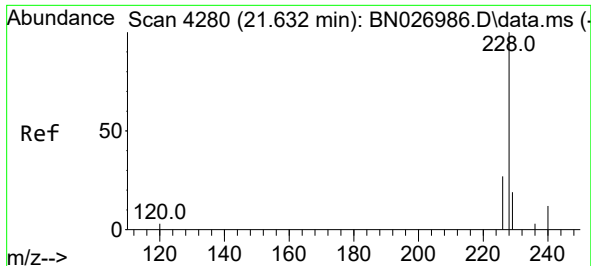
Tgt Ion:202 Resp: 369168
Ion Ratio Lower Upper
202 100
101 11.2 8.3 12.5
100 8.3 6.2 9.2



#20
Pyrene
Concen: 3.085 ng/u1
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:202 Resp: 329932
Ion Ratio Lower Upper
202 100
101 12.2 10.7 16.1
100 9.4 8.5 12.7

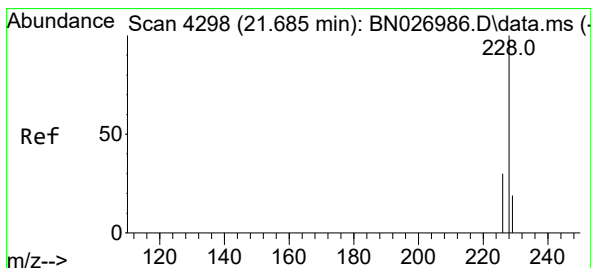
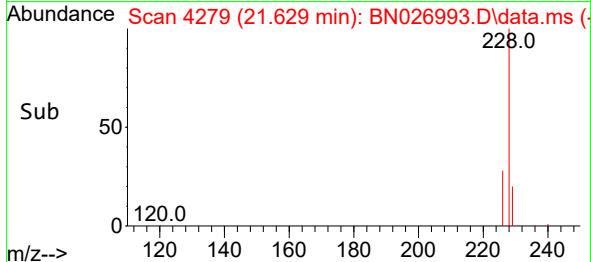
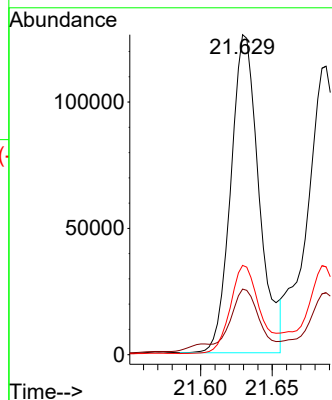
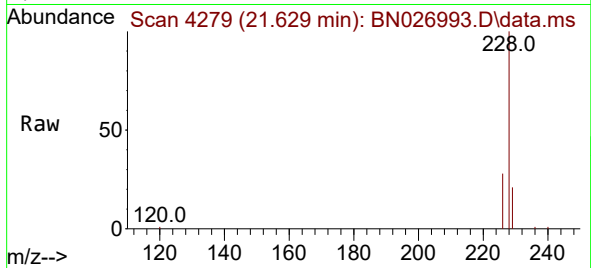




#21
Benzo(a)anthracene
Concen: 1.806 ng/ul
RT: 21.629 min Scan# 4279
Delta R.T. -0.003 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

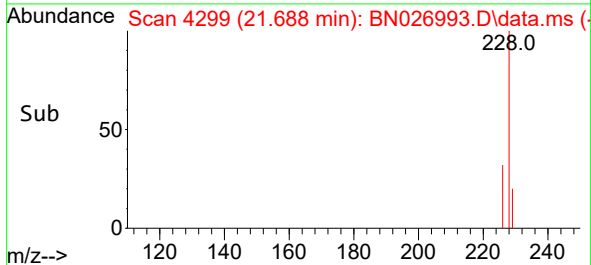
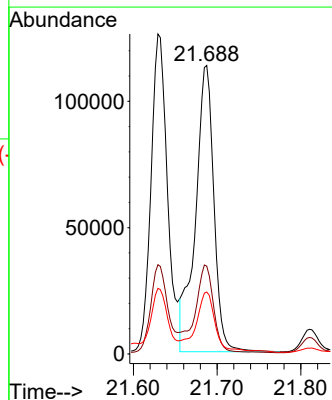
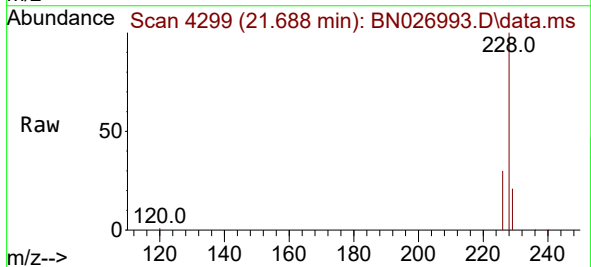
Instrument :
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A48K2MSD

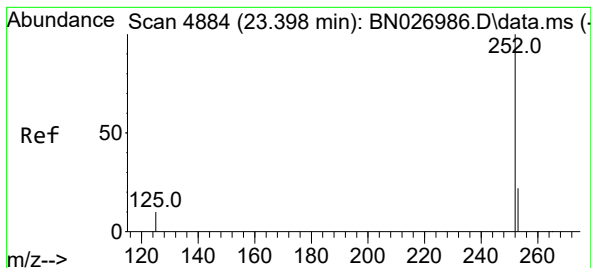
Tgt Ion:228 Resp: 173293
Ion Ratio Lower Upper
228 100
229 20.5 16.0 24.0
226 27.9 22.2 33.2



#22
Chrysene
Concen: 1.836 ng/ul
RT: 21.688 min Scan# 4299
Delta R.T. -0.003 min
Lab File: BN026993.D
Acq: 21 Aug 2023 15:17

Tgt Ion:228 Resp: 173959
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 21.5 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 3.399 ng/ul

RT: 23.404 min Scan# 4886

Delta R.T. -0.003 min

Lab File: BN026993.D

Acq: 21 Aug 2023 15:17

Instrument :

BNA_N

ClientSampleId :

A48K2MSD

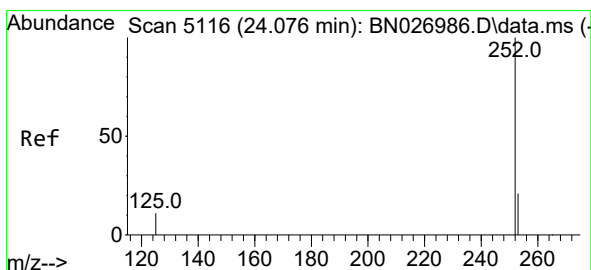
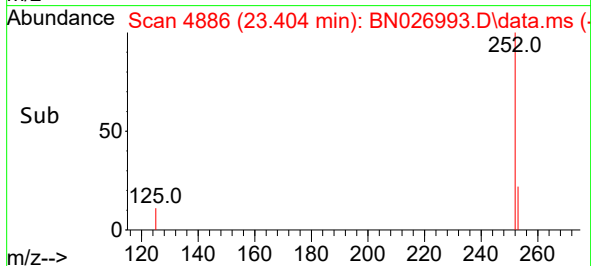
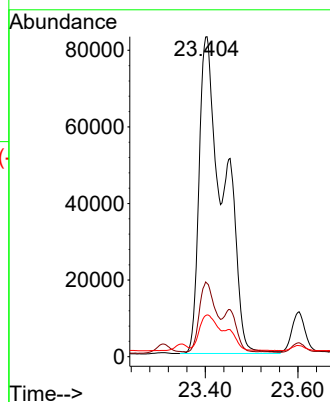
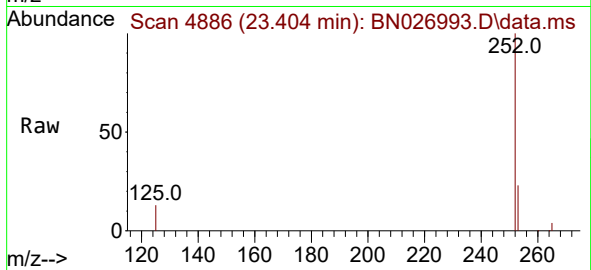
Tgt Ion:252 Resp: 305756

Ion Ratio Lower Upper

252 100

253 22.9 0.0 46.8

125 13.0 0.0 25.2



#26

Benzo(a)pyrene

Concen: 1.691 ng/ul

RT: 24.076 min Scan# 5116

Delta R.T. -0.009 min

Lab File: BN026993.D

Acq: 21 Aug 2023 15:17

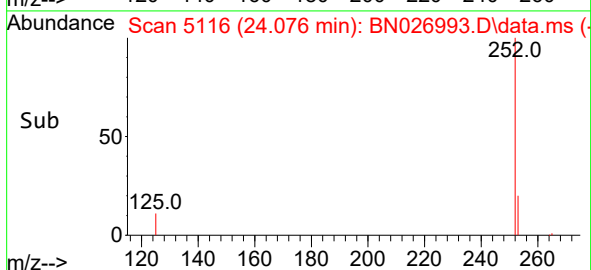
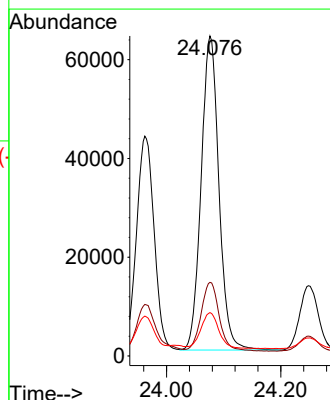
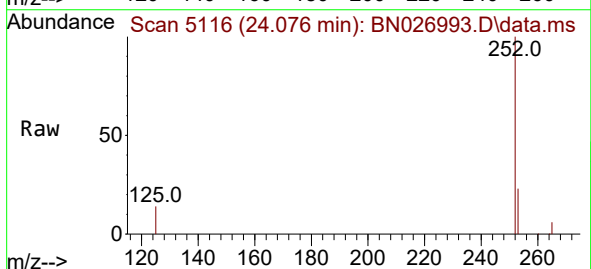
Tgt Ion:252 Resp: 137276

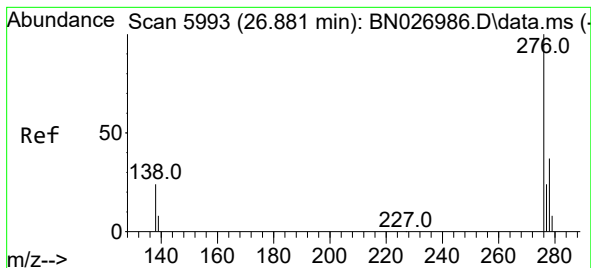
Ion Ratio Lower Upper

252 100

253 23.0 19.0 28.6

125 13.6 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.904 ng/ul

RT: 26.877 min Scan# 5992

Delta R.T. -0.008 min

Lab File: BN026993.D

Acq: 21 Aug 2023 15:17

Instrument :

BNA_N

ClientSampleId :

A48K2MSD

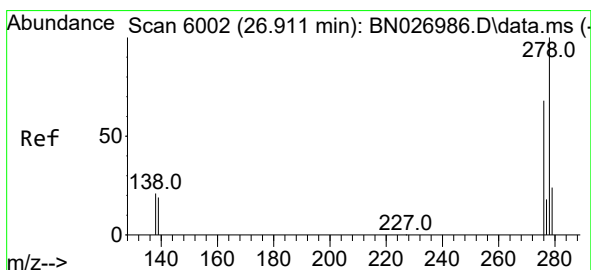
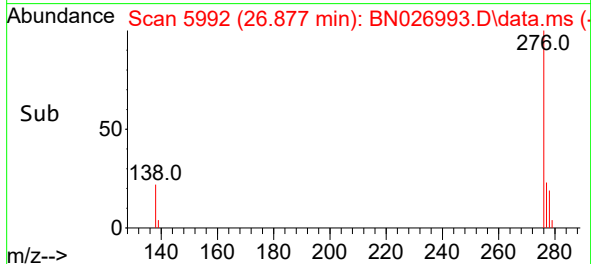
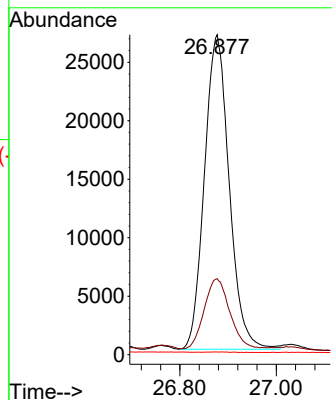
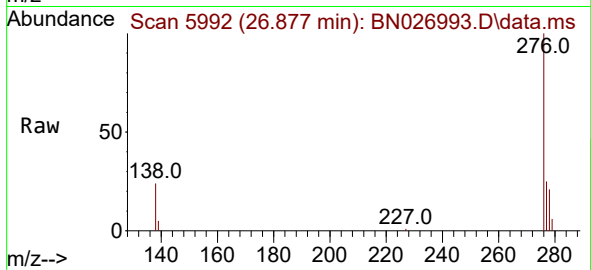
Tgt Ion:276 Resp: 96015

Ion Ratio Lower Upper

276 100

138 23.5 21.6 32.4

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.401 ng/ul

RT: 26.904 min Scan# 6000

Delta R.T. -0.018 min

Lab File: BN026993.D

Acq: 21 Aug 2023 15:17

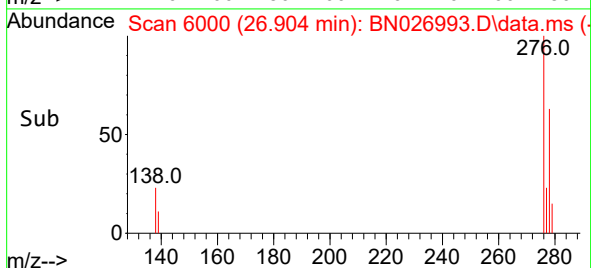
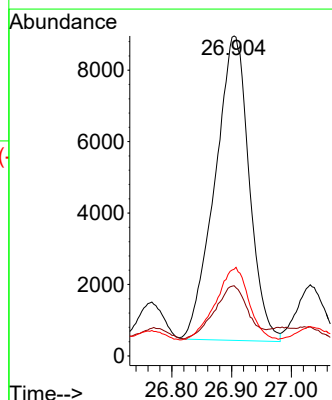
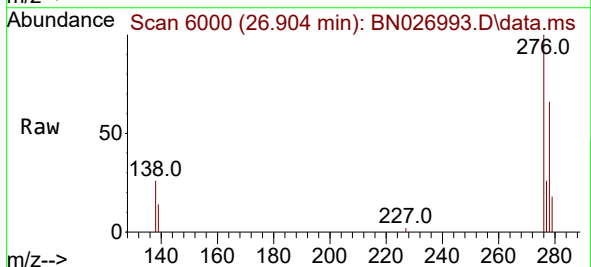
Tgt Ion:278 Resp: 33901

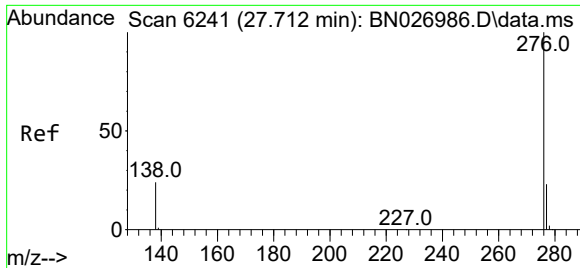
Ion Ratio Lower Upper

278 100

139 21.9 15.7 23.5

279 27.1 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 1.010 ng/ul
 RT: 27.716 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN026993.D
 Acq: 21 Aug 2023 15:17

Instrument :
 BNA_N
 ClientSampleId :
 A48K2MSD

Tgt Ion:	276	Resp:	89330
Ion Ratio	Lower	Upper	
276	100		
138	24.1	19.3	28.9
277	24.2	19.8	29.8

