

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
 Data File : BN026909.D
 Acq On : 15 Aug 2023 20:02
 Operator : MA/JU
 Sample : 03965-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48J3

Quant Time: Aug 16 00:55:06 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 : Wed Aug 16 00:50:05 2023
 Response via : Initial Calibration

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

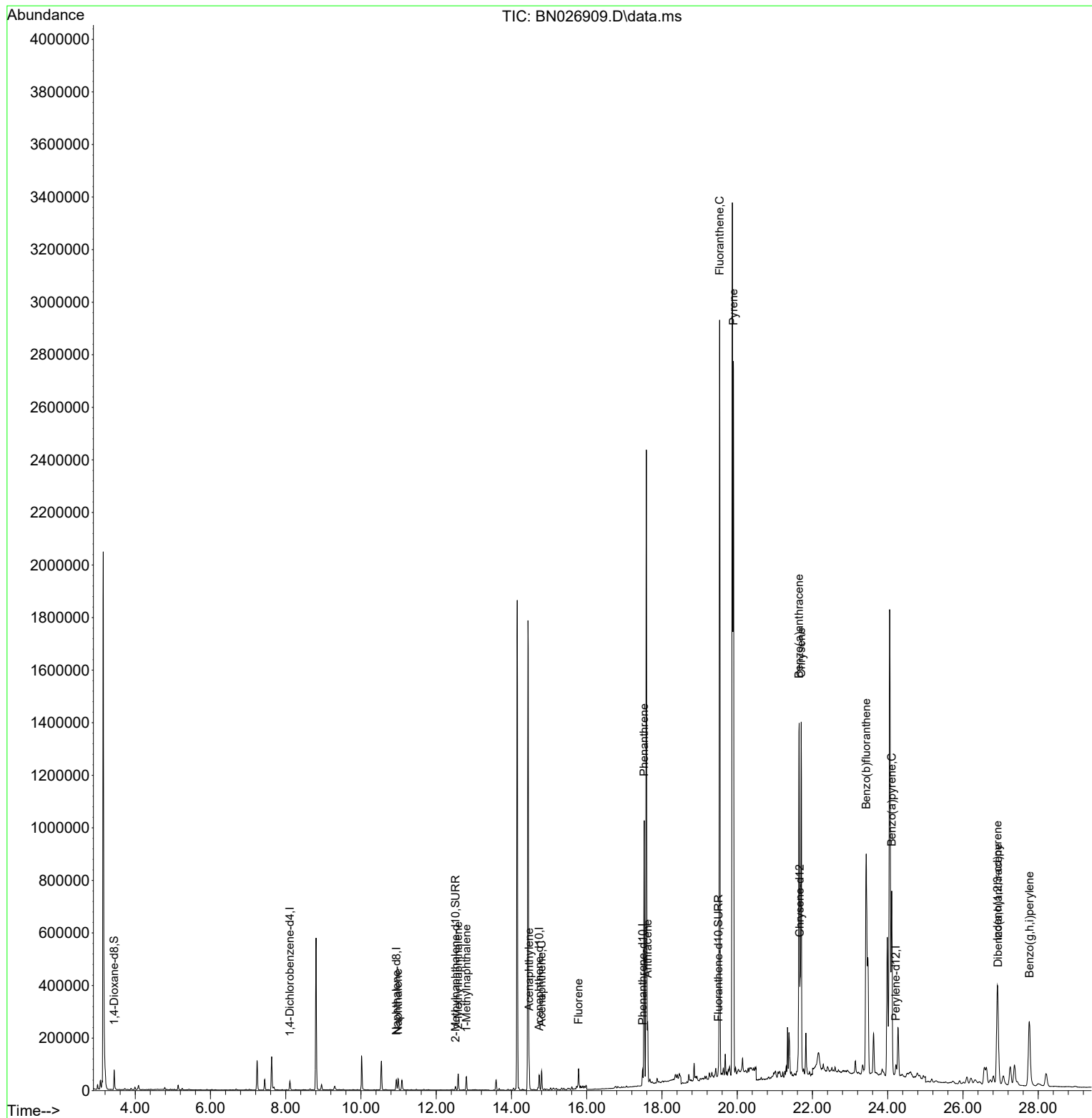
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	16418	0.400	ng/ul	0.00
4) Naphthalene-d8	10.938	136	53782	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.735	164	32223	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.485	188	71593	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.662	240	59711	0.400	ng/ul	# 0.00
23) Perylene-d12	24.216	264	55685	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	52008	2.668	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	16749	0.212	ng/ul	0.00
18) Fluoranthene-d10	19.501	212	43818	0.232	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.988	128	60488	0.398	ng/ul	100
7) 2-Methylnaphthalene	12.583	142	42662	0.463	ng/ul	99
8) 1-Methylnaphthalene	12.803	142	34940	0.363	ng/ul	100
10) Acenaphthylene	14.467	152	110999	0.615	ng/ul	100
11) Acenaphthene	14.800	153	40431	0.324	ng/ul	99
12) Fluorene	15.786	166	50820	0.360	ng/ul	100
15) Phenanthrene	17.527	178	1068446	4.543	ng/ul	100
16) Anthracene	17.620	178	239354	1.126	ng/ul	98
19) Fluoranthene	19.534	202	2505053	10.100	ng/ul	99
20) Pyrene	19.901	202	2294390	8.670	ng/ul	97
21) Benzo(a)anthracene	21.644	228	1250967	5.268	ng/ul	97
22) Chrysene	21.699	228	1399480	5.970	ng/ul	97
24) Benzo(b)fluoranthene	23.427	252	2190416	10.400	ng/ul	96
26) Benzo(a)pyrene	24.105	252	1069620	5.628	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.918	276	712060	2.864	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.934	278	180368	0.910	ng/ul#	86
29) Benzo(g,h,i)perylene	27.766	276	613564	2.964	ng/ul	100

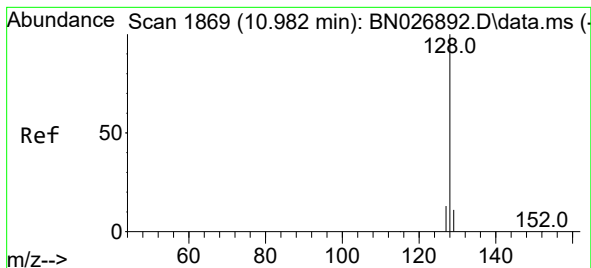
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.398 ng/ul

RT: 10.988 min Scan# 1869

Delta R.T. 0.006 min

Lab File: BN026909.D

Acq: 15 Aug 2023 20:02

Instrument :

BNA_N

ClientSampleId :

A48J3

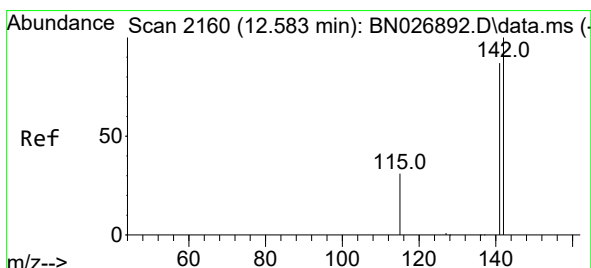
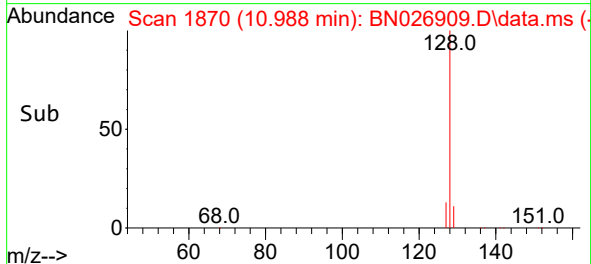
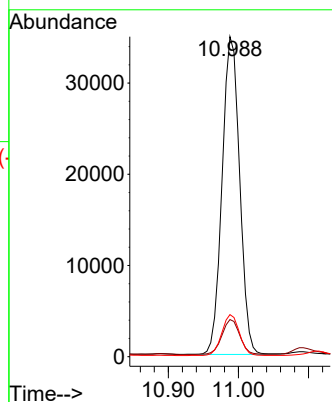
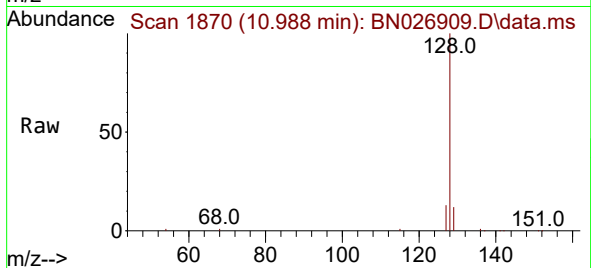
Tgt Ion:128 Resp: 60488

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

127 13.1 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.463 ng/ul

RT: 12.583 min Scan# 2160

Delta R.T. 0.000 min

Lab File: BN026909.D

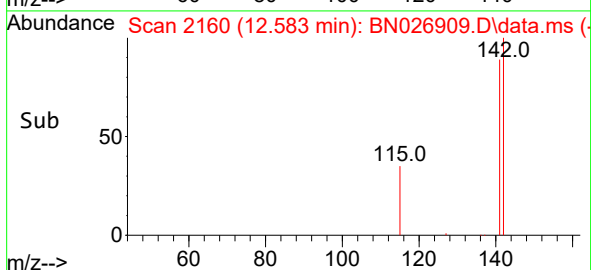
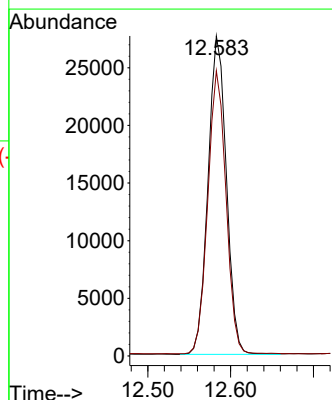
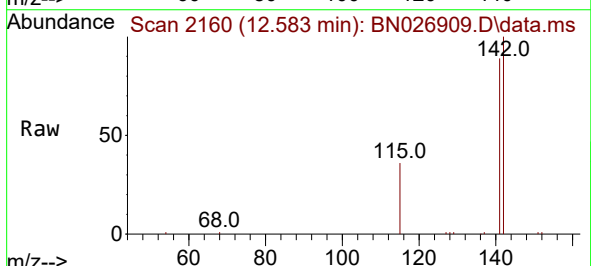
Acq: 15 Aug 2023 20:02

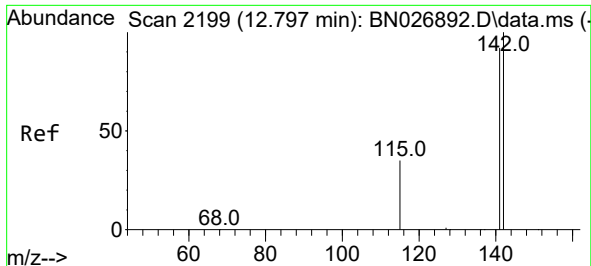
Tgt Ion:142 Resp: 42662

Ion Ratio Lower Upper

142 100

141 88.0 70.9 106.3

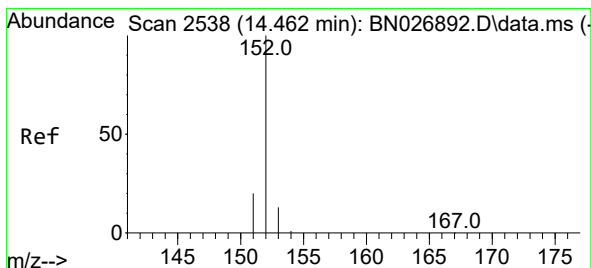
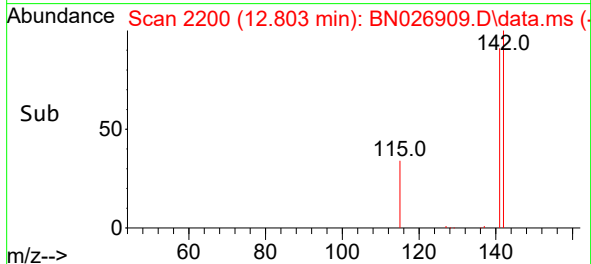
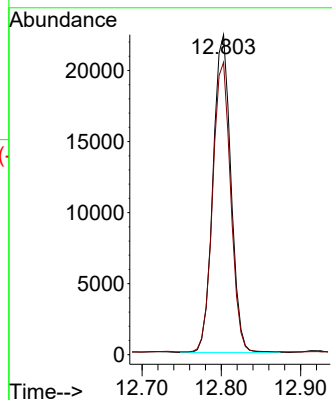
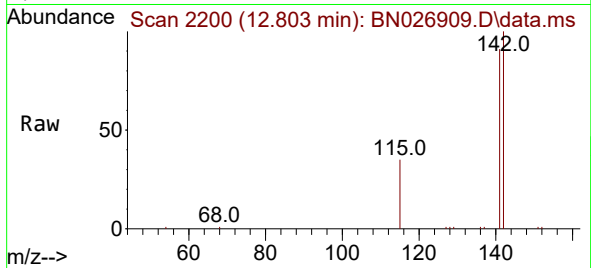




#8
1-Methylnaphthalene
Concen: 0.363 ng/ul
RT: 12.803 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

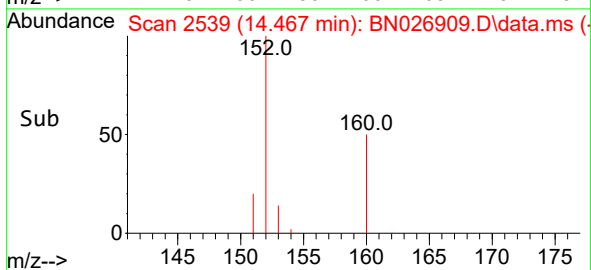
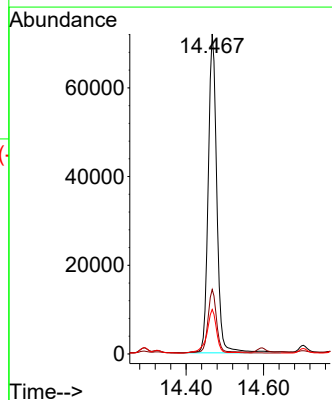
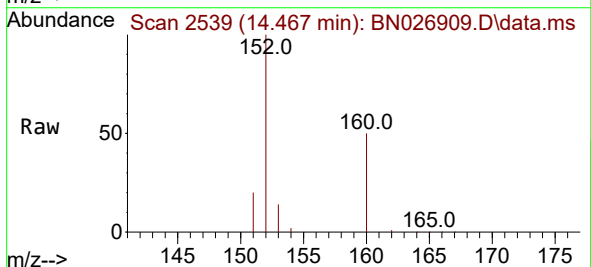
Instrument :
BNA_N
ClientSampleId :
A48J3

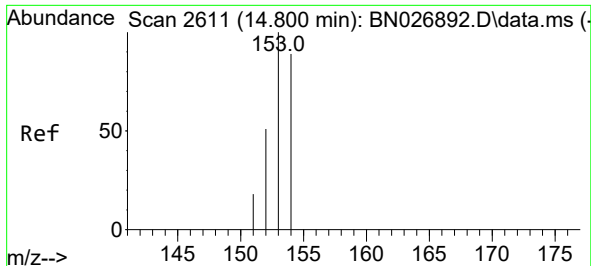
Tgt Ion:142 Resp: 34940
Ion Ratio Lower Upper
142 100
141 91.6 73.2 109.8



#10
Acenaphthylene
Concen: 0.615 ng/ul
RT: 14.467 min Scan# 2539
Delta R.T. 0.005 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

Tgt Ion:152 Resp: 110999
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.9 11.0 16.6

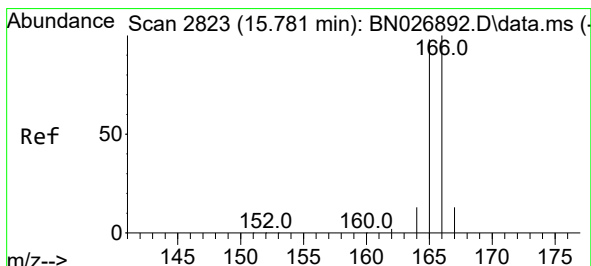
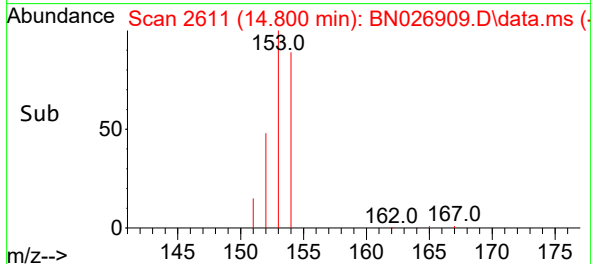
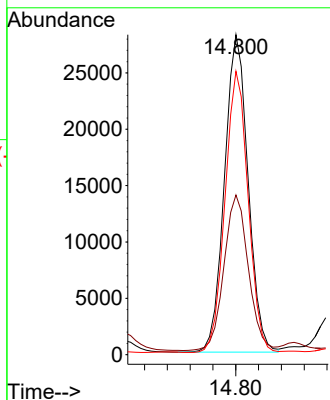
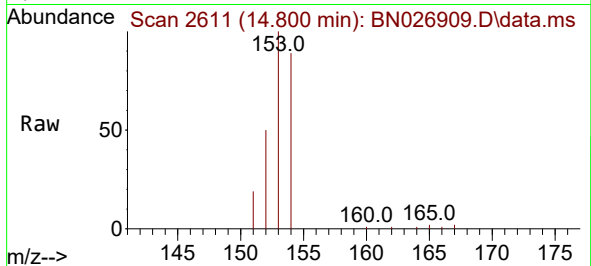




#11
Acenaphthene
Concen: 0.324 ng/ul
RT: 14.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

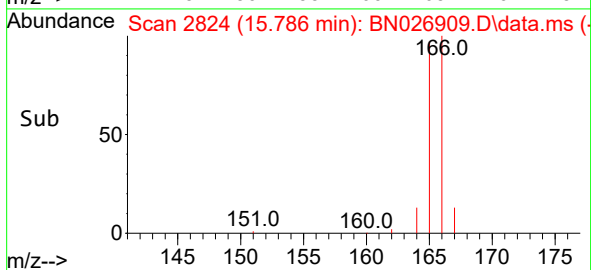
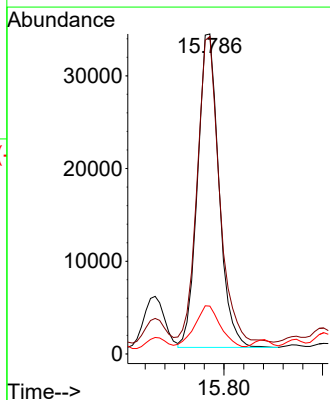
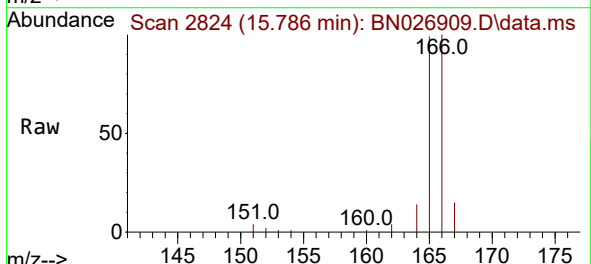
Instrument :
BNA_N
ClientSampleId :
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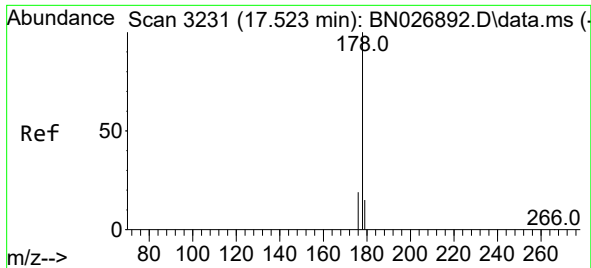
Tgt Ion:153 Resp: 40431
Ion Ratio Lower Upper
153 100
152 49.9 41.1 61.7
154 88.6 71.6 107.4



#12
Fluorene
Concen: 0.360 ng/ul
RT: 15.786 min Scan# 2824
Delta R.T. 0.005 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

Tgt Ion:166 Resp: 50820
Ion Ratio Lower Upper
166 100
165 99.2 79.1 118.7
167 14.9 11.4 17.0

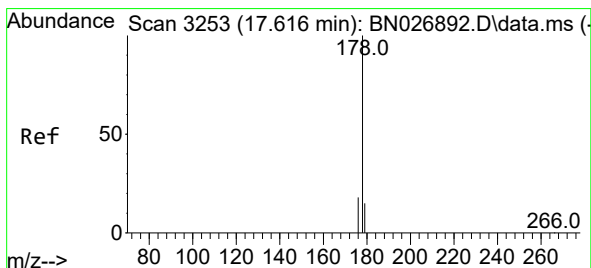
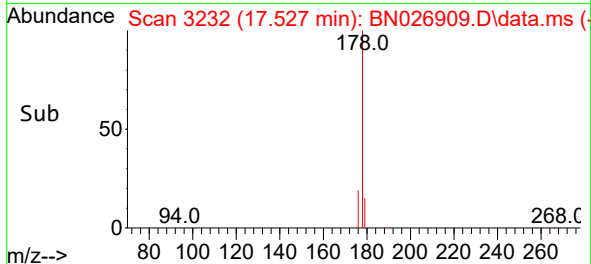
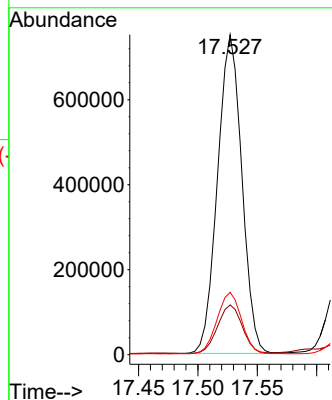
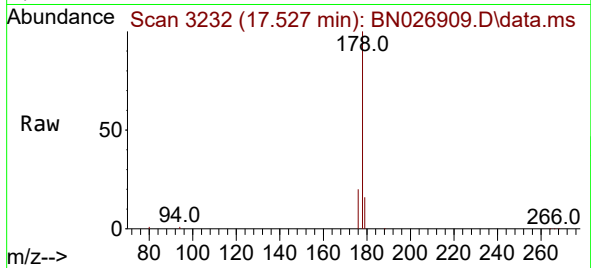




#15
Phenanthrene
Concen: 4.543 ng/ul
RT: 17.527 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

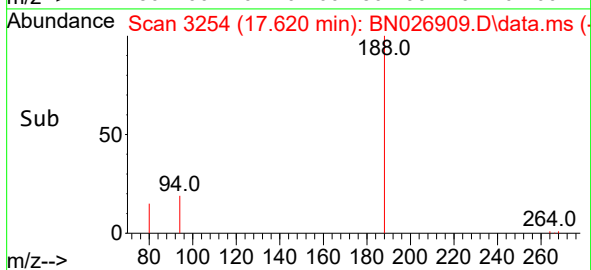
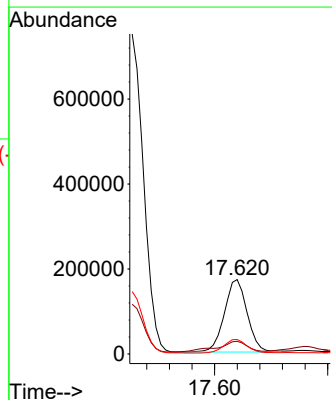
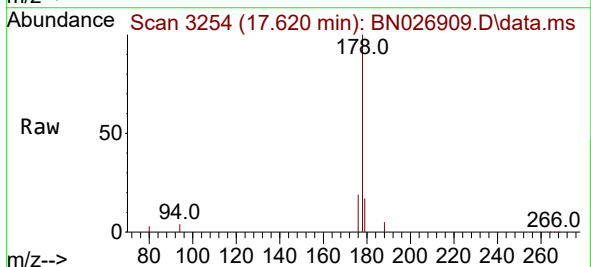
Instrument :
BNA_N
ClientSampleId :
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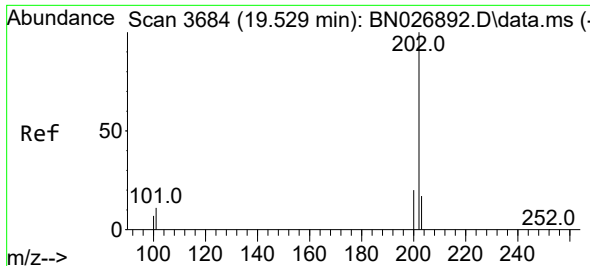
Tgt Ion:178 Resp: 1068446
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.5 15.4 23.2



#16
Anthracene
Concen: 1.126 ng/ul
RT: 17.620 min Scan# 3254
Delta R.T. 0.004 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

Tgt Ion:178 Resp: 239354
Ion Ratio Lower Upper
178 100
179 17.0 12.6 19.0
176 19.4 15.0 22.6

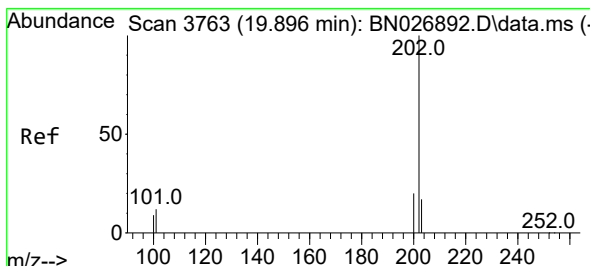
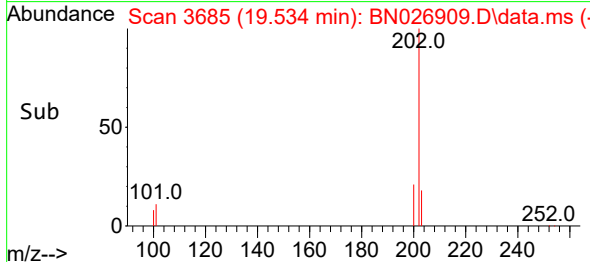
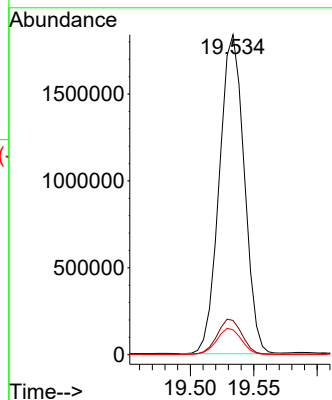
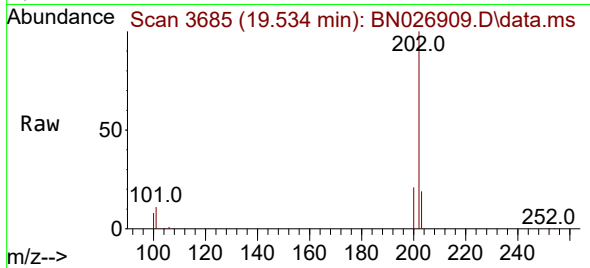




#19
Fluoranthene
Concen: 10.100 ng/u1
RT: 19.534 min Scan# 30
Delta R.T. 0.004 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

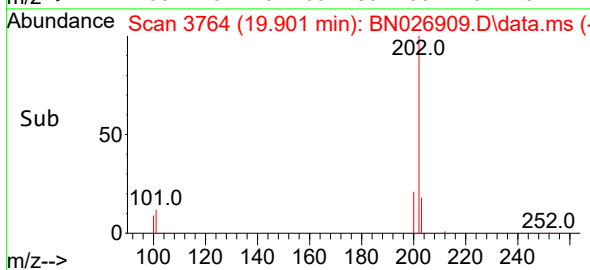
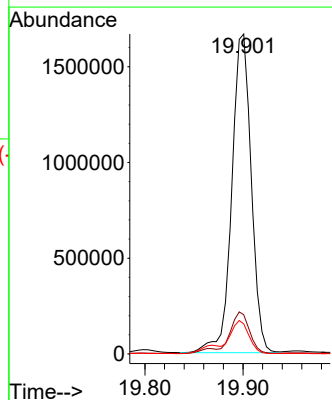
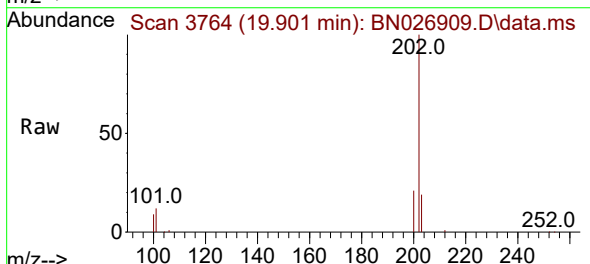
Instrument :
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ClientSampleId :
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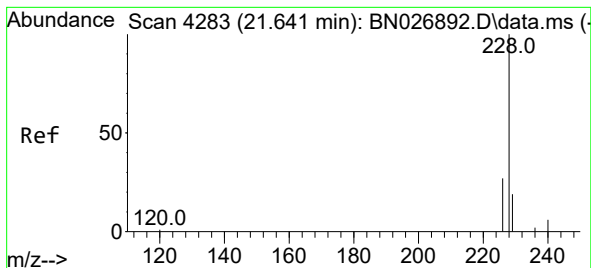
Tgt Ion:202 Resp: 2505053
Ion Ratio Lower Upper
202 100
101 10.7 8.3 12.5
100 7.8 6.2 9.2



#20
Pyrene
Concen: 8.670 ng/u1
RT: 19.901 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

Tgt Ion:202 Resp: 2294390
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: 5.268 ng/ul

RT: 21.644 min Scan# 431

Delta R.T. 0.003 min

Lab File: BN026909.D

Acq: 15 Aug 2023 20:02

Instrument :

BNA_N

ClientSampleId :

A48J3

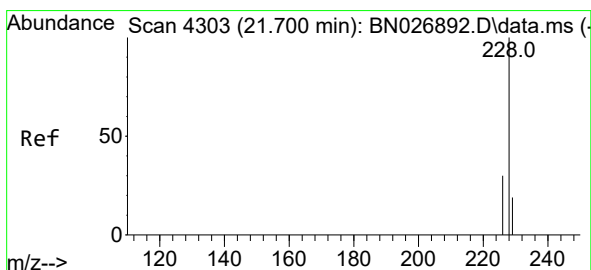
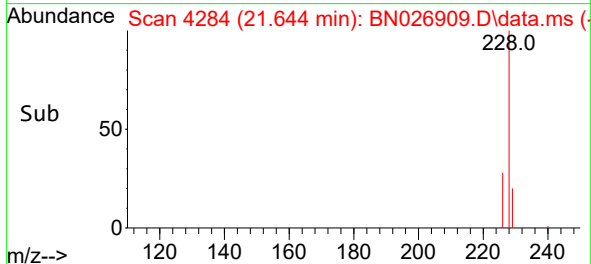
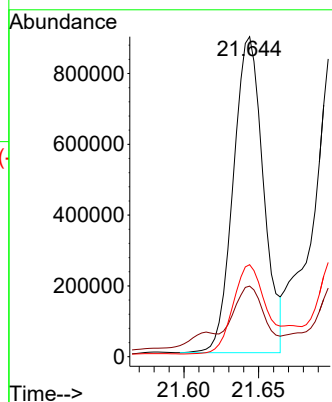
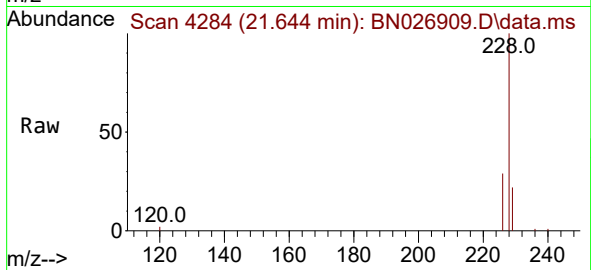
Tgt Ion:228 Resp: 1250967

Ion Ratio Lower Upper

228 100

229 22.0 16.0 24.0

226 28.8 22.2 33.2



#22

Chrysene

Concen: 5.970 ng/ul

RT: 21.699 min Scan# 4303

Delta R.T. -0.000 min

Lab File: BN026909.D

Acq: 15 Aug 2023 20:02

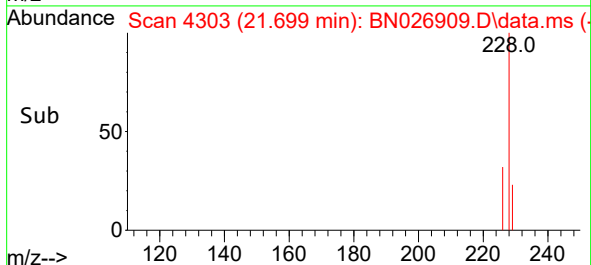
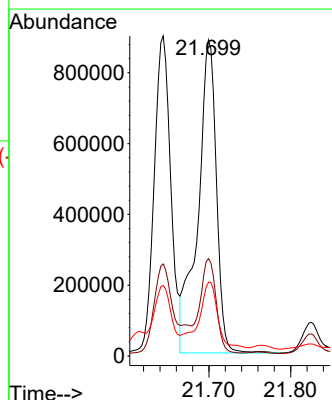
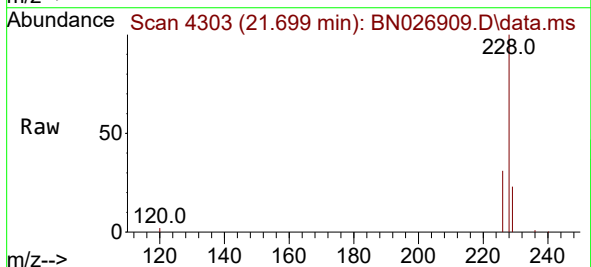
Tgt Ion:228 Resp: 1399480

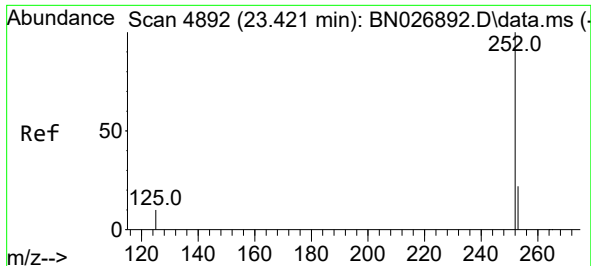
Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 23.4 15.8 23.6

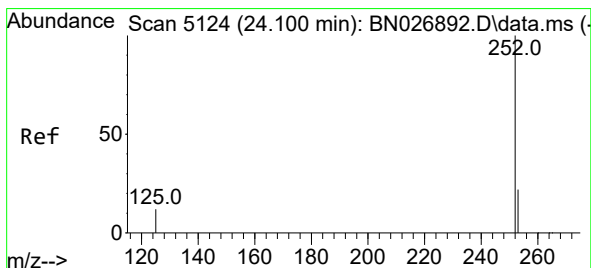
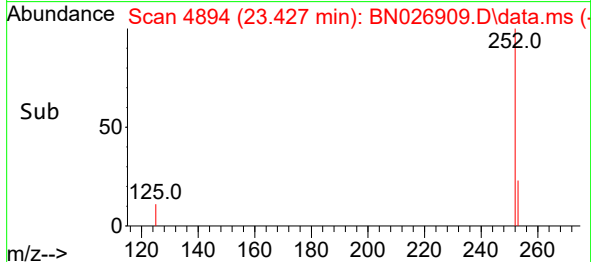
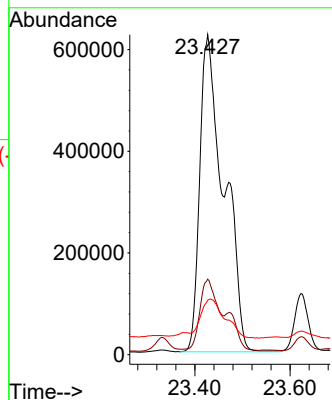
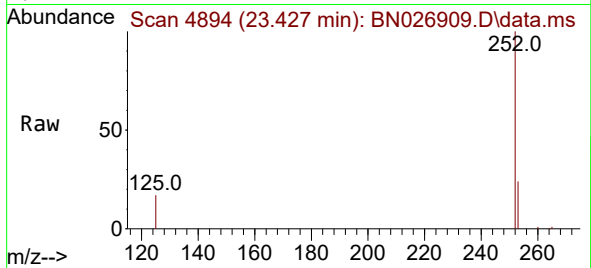




#24
Benzo(b)fluoranthene
Concen: 10.400 ng/ul
RT: 23.427 min Scan# 4892
Delta R.T. 0.006 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

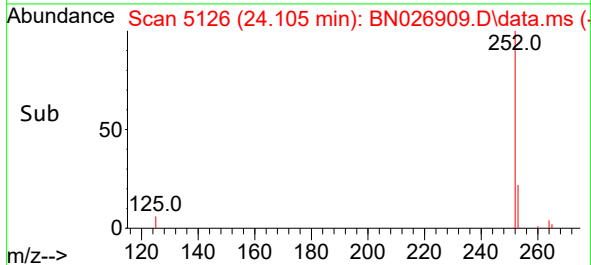
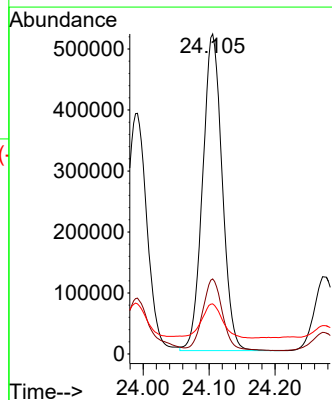
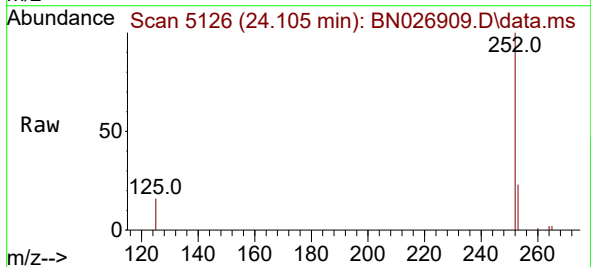
Instrument :
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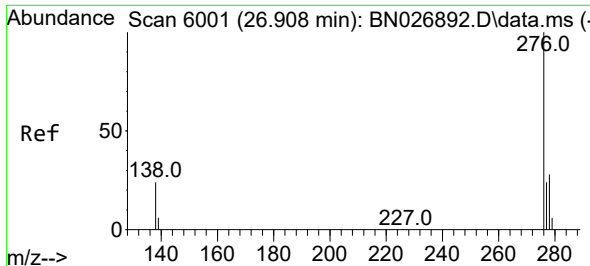
Tgt Ion:252 Resp: 2190416
Ion Ratio Lower Upper
252 100
253 23.6 0.0 46.8
125 17.0 0.0 25.2



#26
Benzo(a)pyrene
Concen: 5.628 ng/ul
RT: 24.105 min Scan# 5126
Delta R.T. 0.006 min
Lab File: BN026909.D
Acq: 15 Aug 2023 20:02

Tgt Ion:252 Resp: 1069620
Ion Ratio Lower Upper
252 100
253 23.5 19.0 28.6
125 15.7 11.4 17.0

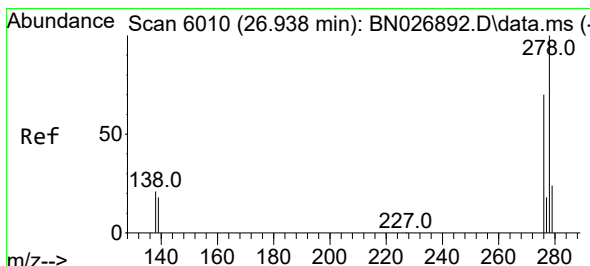
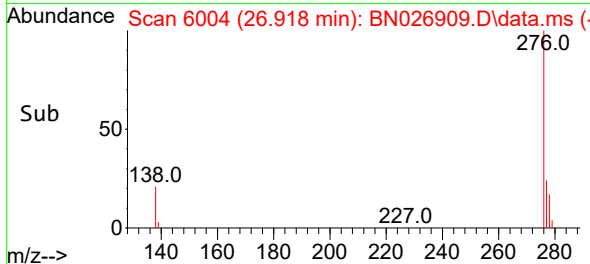
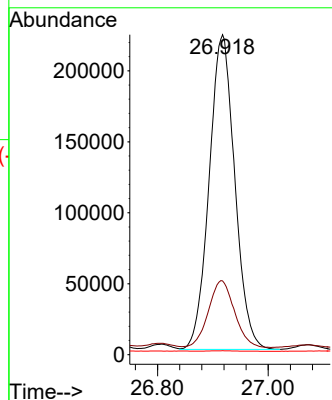
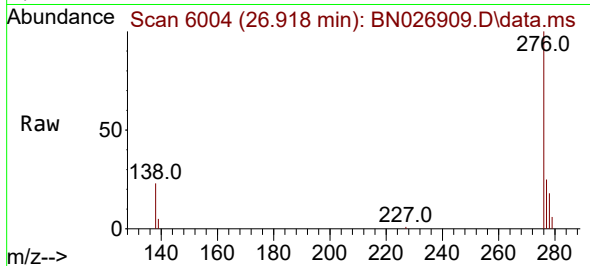




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.864 ng/ul
 RT: 26.918 min Scan# 6004
 Delta R.T. 0.010 min
 Lab File: BN026909.D
 Acq: 15 Aug 2023 20:02

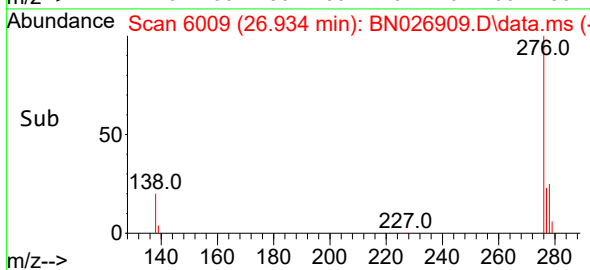
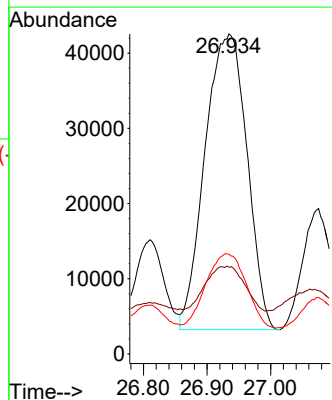
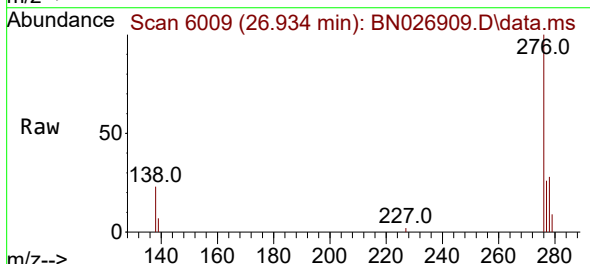
Instrument :
 BNA_N
 ClientSampleId :
 A48J3

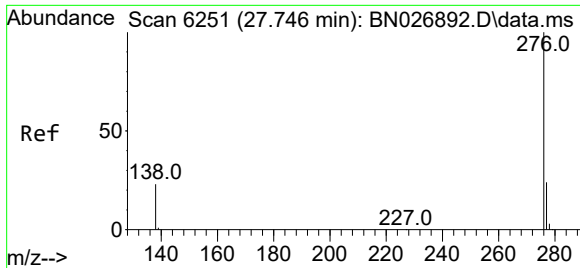
Tgt Ion:276 Resp: 712060
 Ion Ratio Lower Upper
 276 100
 138 21.7 21.6 32.4
 227 0.2 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.910 ng/ul
 RT: 26.934 min Scan# 6009
 Delta R.T. -0.004 min
 Lab File: BN026909.D
 Acq: 15 Aug 2023 20:02

Tgt Ion:278 Resp: 180368
 Ion Ratio Lower Upper
 278 100
 139 27.1 15.7 23.5#
 279 31.1 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 2.964 ng/ul
 RT: 27.766 min Scan# 61
 Delta R.T. 0.020 min
 Lab File: BN026909.D
 Acq: 15 Aug 2023 20:02

Instrument :
 BNA_N
 ClientSampleId :
 A48J3

Tgt Ion:	276	Resp:	613564
Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.3	28.9
277	24.7	19.8	29.8

