

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032414.D
 Acq On : 02 Jul 2024 23:12
 Operator : MA/JU
 Sample : P2871-23DL 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B54DL

Quant Time: Jul 02 23:57:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

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

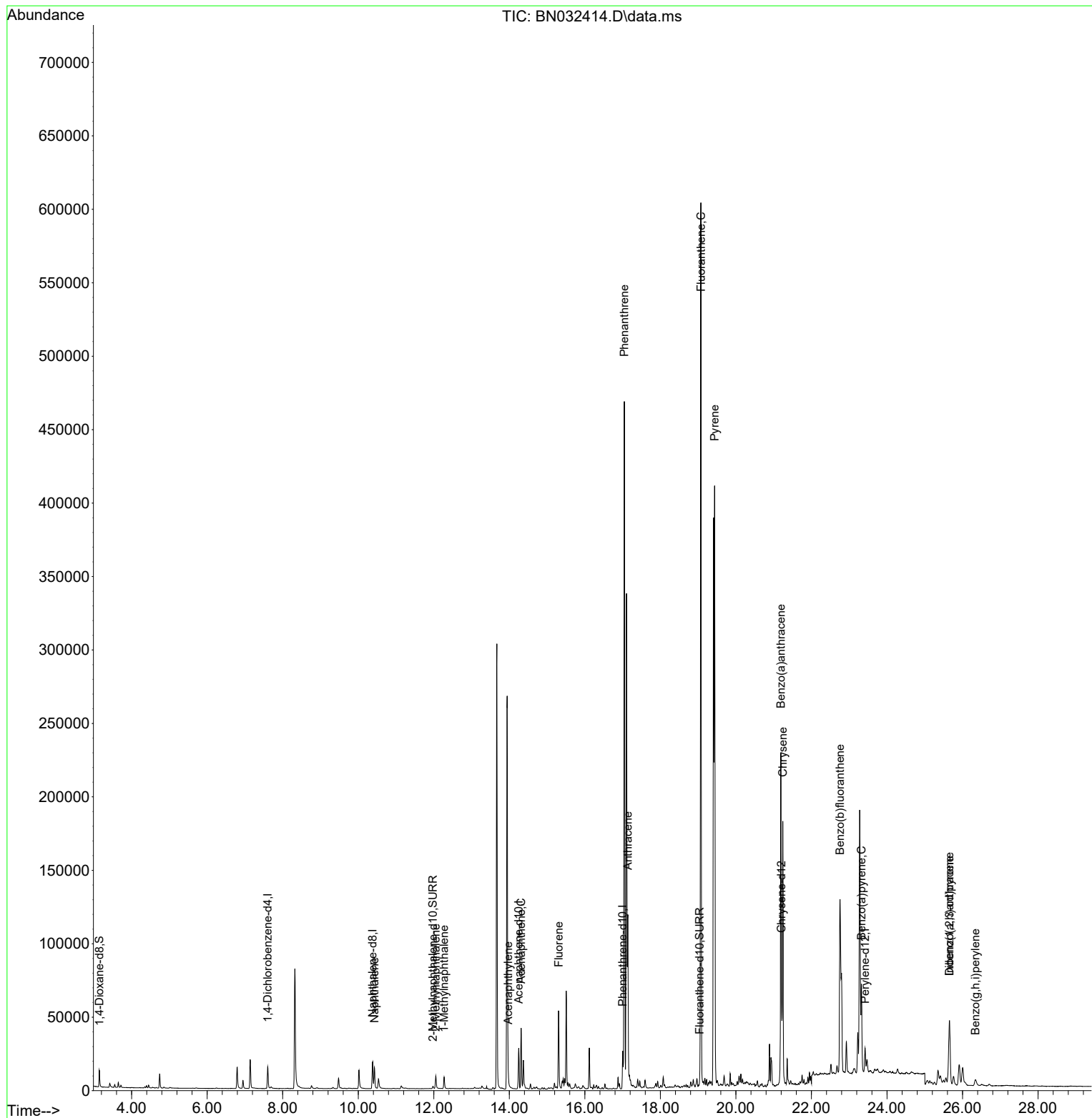
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	8219	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.382	136	26733	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.248	164	15805	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.003	188	32329	0.400	ng/ul	-0.02
17) Chrysene-d12	21.206	240	19536	0.400	ng/ul	-0.02
23) Perylene-d12	23.421	264	22624	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	8326	0.911	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.977	152	2662	0.066	ng/ul	-0.02
18) Fluoranthene-d10	19.041	212	4876	0.083	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.426	128	20980	0.297	ng/ul	99
7) 2-Methylnaphthalene	12.054	142	7442	0.159	ng/ul	98
8) 1-Methylnaphthalene	12.274	142	6142	0.126	ng/ul	100
10) Acenaphthylene	13.971	152	6126	0.093	ng/ul#	90
11) Acenaphthene	14.313	153	24584	0.482	ng/ul	99
12) Fluorene	15.308	166	35815	0.589	ng/ul	98
15) Phenanthrene	17.046	178	497444	5.612	ng/ul	99
16) Anthracene	17.138	178	120756	1.527	ng/ul	99
19) Fluoranthene	19.073	202	534451	7.184	ng/ul	100
20) Pyrene	19.436	202	352319	4.532	ng/ul	99
21) Benzo(a)anthracene	21.191	228	193908	2.750	ng/ul	99
22) Chrysene	21.244	228	169800	2.194	ng/ul	97
24) Benzo(b)fluoranthene	22.757	252	273362	2.781	ng/ul	97
26) Benzo(a)pyrene	23.325	252	81593	1.193	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.656	276	64543	0.603	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.656	278	23821	0.299	ng/ul#	84
29) Benzo(g,h,i)perylene	26.340	276	8576	0.101	ng/ul#	73

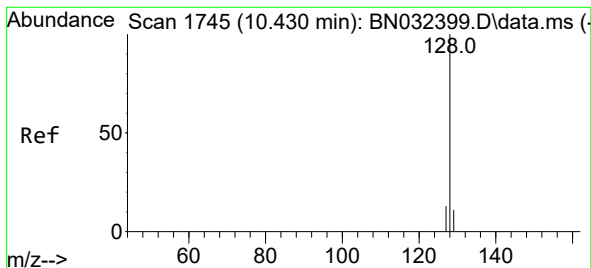
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.297 ng/ul

RT: 10.426 min Scan# 1

Delta R.T. -0.022 min

Lab File: BN032414.D

Acq: 02 Jul 2024 23:12

Instrument :

BNA_N

ClientSampleId :

A4B54DL

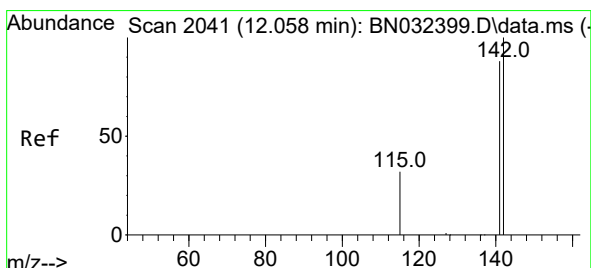
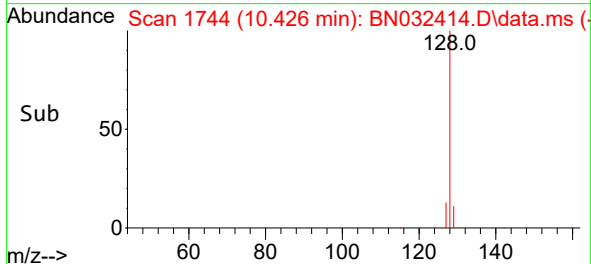
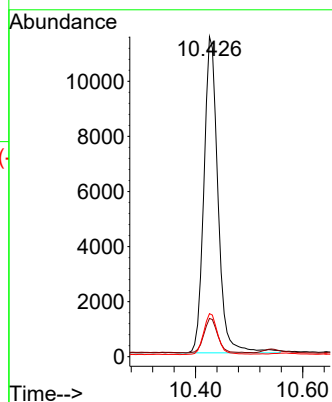
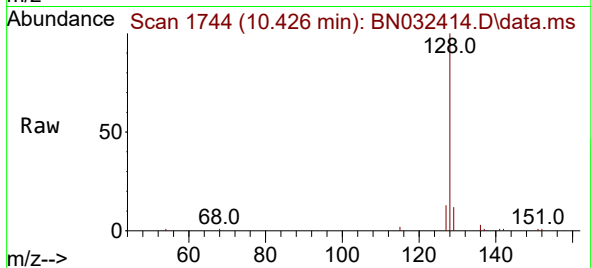
Tgt Ion:128 Resp: 20980

Ion Ratio Lower Upper

128 100

129 11.9 9.2 13.8

127 13.4 10.8 16.2



#7

2-Methylnaphthalene

Concen: 0.159 ng/ul

RT: 12.054 min Scan# 2040

Delta R.T. -0.022 min

Lab File: BN032414.D

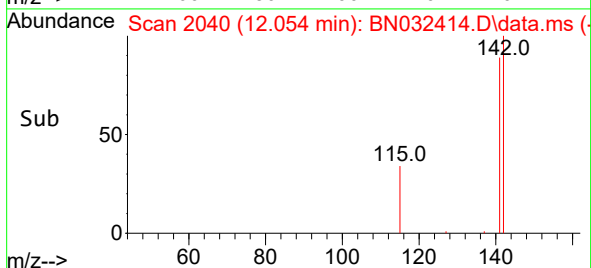
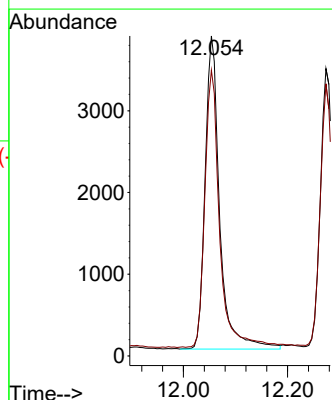
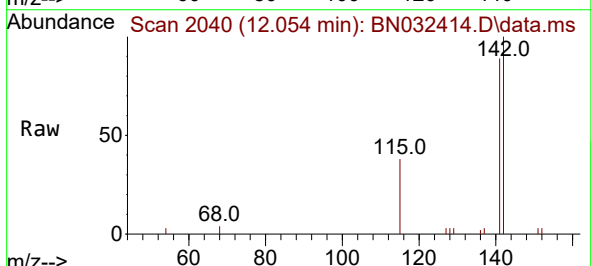
Acq: 02 Jul 2024 23:12

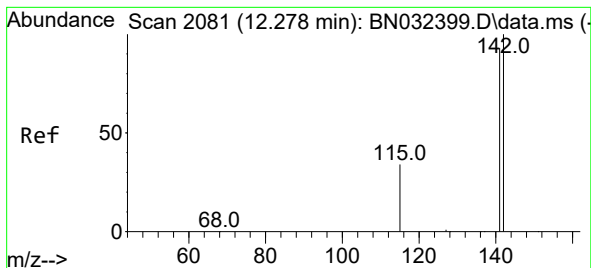
Tgt Ion:142 Resp: 7442

Ion Ratio Lower Upper

142 100

141 88.8 72.2 108.2





#8

1-Methylnaphthalene

Concen: 0.126 ng/ul

RT: 12.274 min Scan# 2081

Delta R.T. -0.022 min

Lab File: BN032414.D

Acq: 02 Jul 2024 23:12

Instrument :

BNA_N

ClientSampleId :

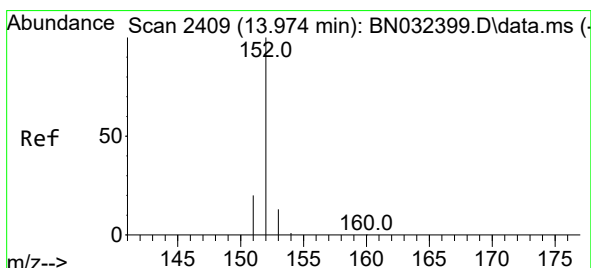
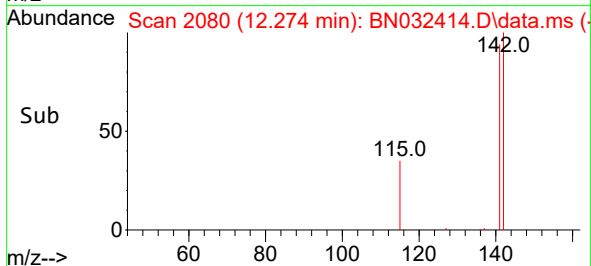
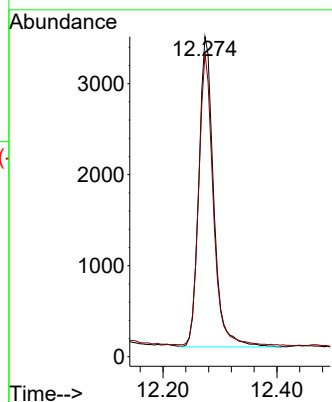
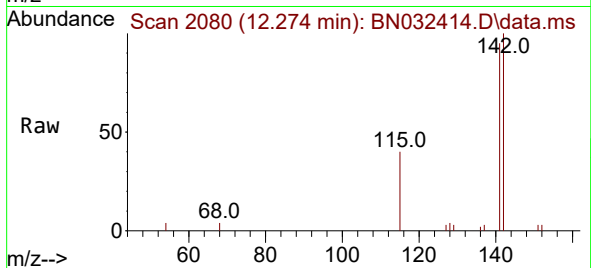
A4B54DL

Tgt Ion:142 Resp: 6142

Ion Ratio Lower Upper

142 100

141 92.1 73.4 110.0



#10

Acenaphthylene

Concen: 0.093 ng/ul

RT: 13.971 min Scan# 2408

Delta R.T. -0.019 min

Lab File: BN032414.D

Acq: 02 Jul 2024 23:12

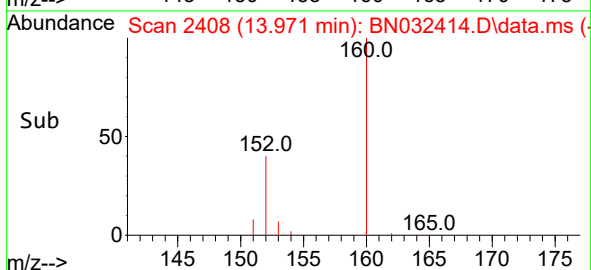
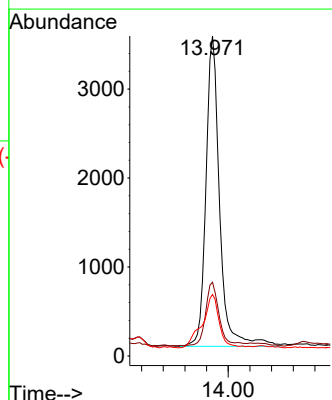
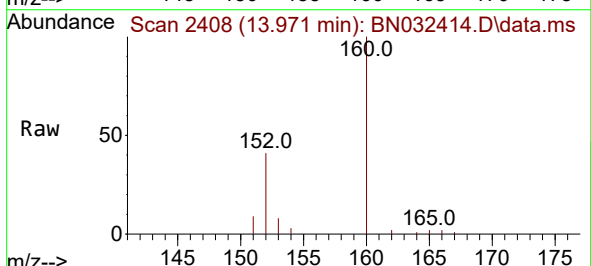
Tgt Ion:152 Resp: 6126

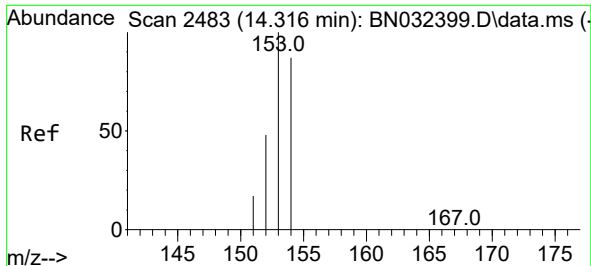
Ion Ratio Lower Upper

152 100

151 23.1 15.7 23.5

153 19.2 10.9 16.3#

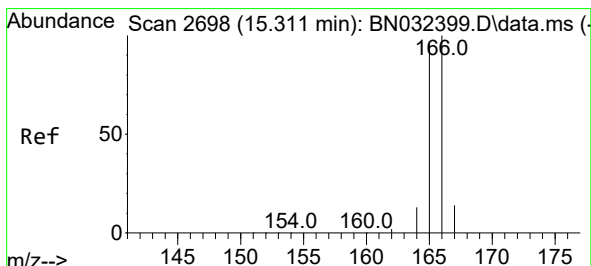
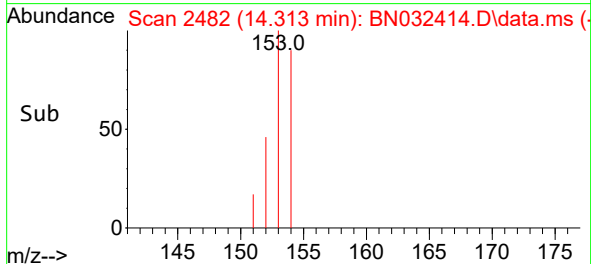
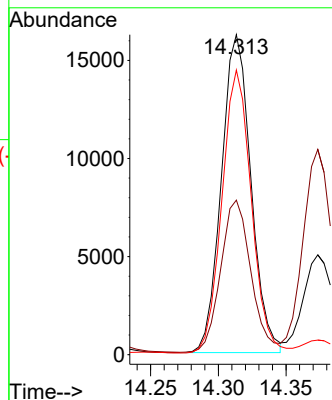
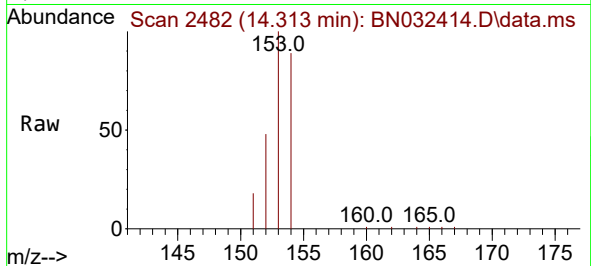




#11
Acenaphthene
Concen: 0.482 ng/ul
RT: 14.313 min Scan# 2482
Delta R.T. -0.019 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

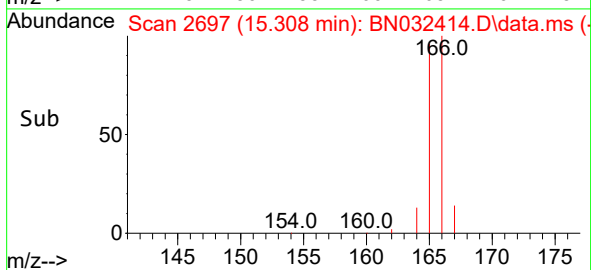
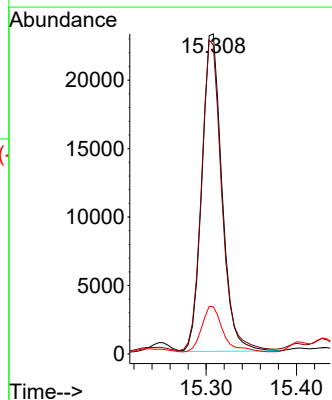
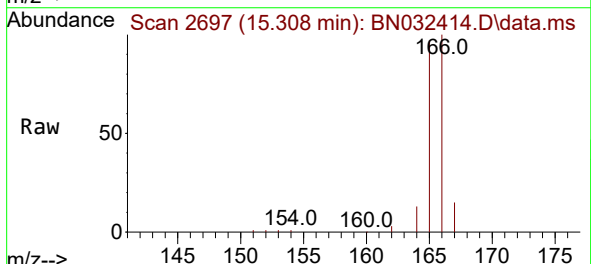
Instrument :
BNA_N
ClientSampleId :
A4B54DL

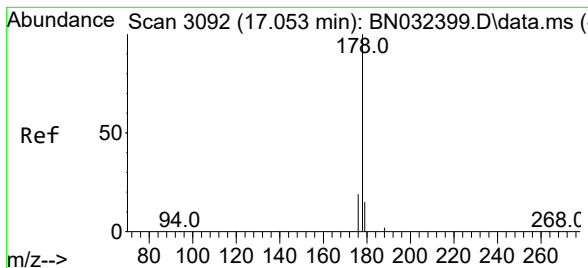
Tgt Ion:153 Resp: 24584
Ion Ratio Lower Upper
153 100
152 48.3 39.5 59.3
154 89.0 71.7 107.5



#12
Fluorene
Concen: 0.589 ng/ul
RT: 15.308 min Scan# 2697
Delta R.T. -0.019 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

Tgt Ion:166 Resp: 35815
Ion Ratio Lower Upper
166 100
165 96.5 79.0 118.6
167 14.8 11.0 16.6





#15

Phenanthrene

Concen: 5.612 ng/ul

RT: 17.046 min Scan# 3090

Delta R.T. -0.021 min

Lab File: BN032414.D

Acq: 02 Jul 2024 23:12

Instrument :

BNA_N

ClientSampleId :

A4B54DL

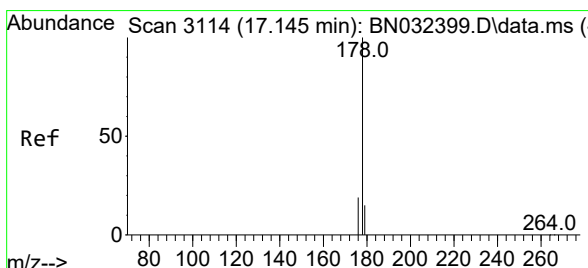
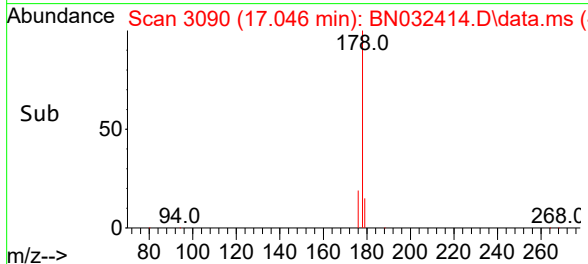
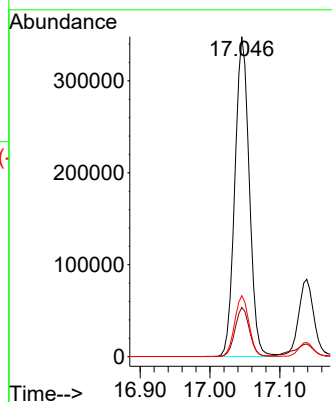
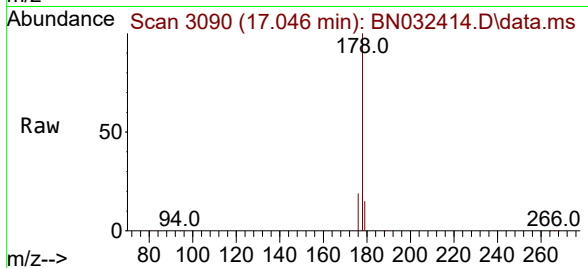
Tgt Ion:178 Resp: 497444

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 19.1 15.6 23.4



#16

Anthracene

Concen: 1.527 ng/ul

RT: 17.138 min Scan# 3112

Delta R.T. -0.021 min

Lab File: BN032414.D

Acq: 02 Jul 2024 23:12

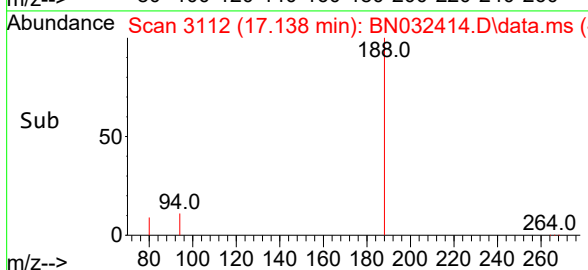
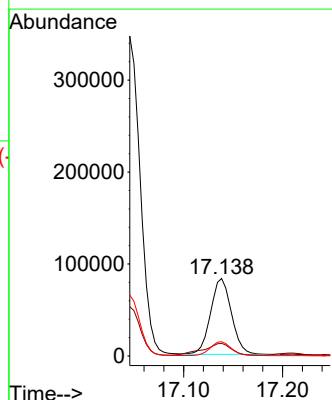
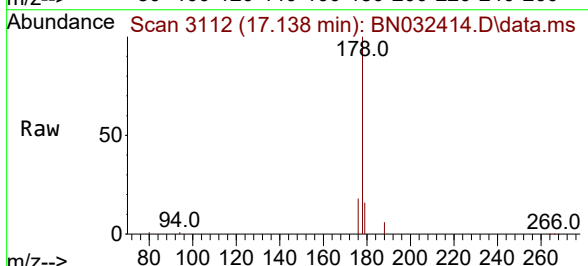
Tgt Ion:178 Resp: 120756

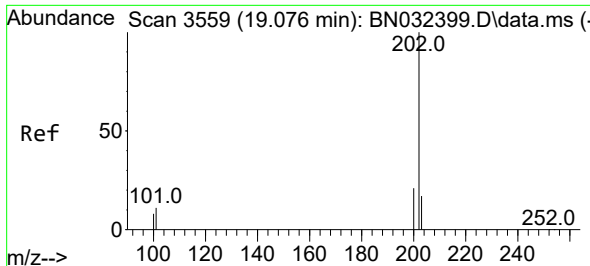
Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 18.5 15.0 22.6

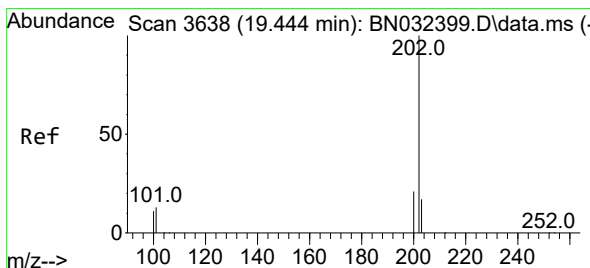
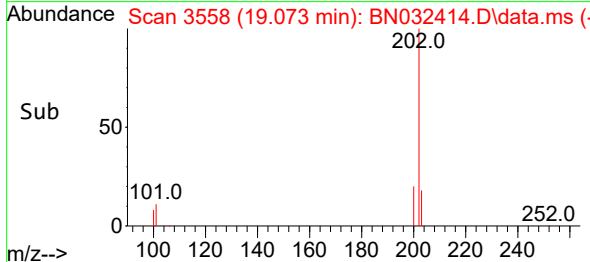
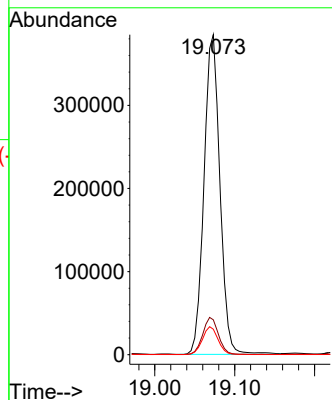
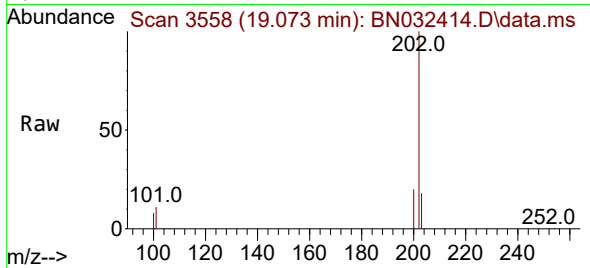




#19
Fluoranthene
Concen: 7.184 ng/ul
RT: 19.073 min Scan# 3559
Delta R.T. -0.019 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

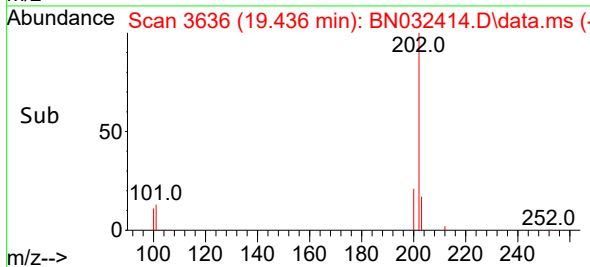
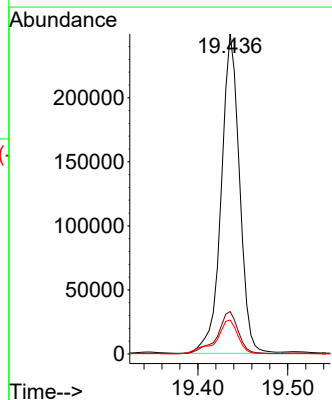
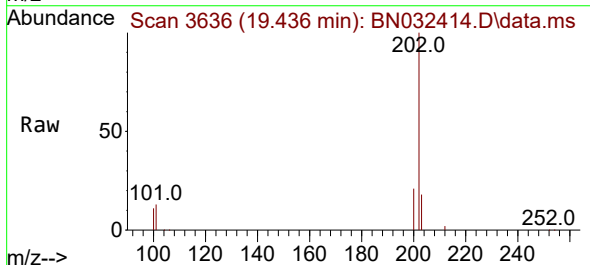
Instrument :
BNA_N
ClientSampleId :
A4B54DL

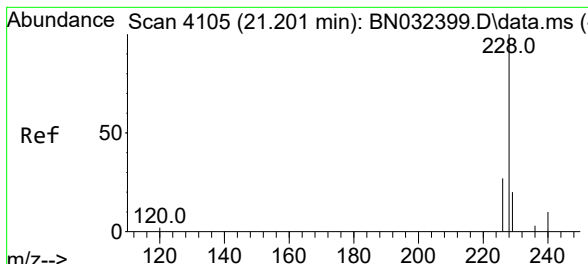
Tgt Ion:202 Resp: 534451
Ion Ratio Lower Upper
202 100
101 10.9 8.8 13.2
100 8.0 6.4 9.6



#20
Pyrene
Concen: 4.532 ng/ul
RT: 19.436 min Scan# 3636
Delta R.T. -0.019 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

Tgt Ion:202 Resp: 352319
Ion Ratio Lower Upper
202 100
101 13.3 11.0 16.4
100 10.6 8.7 13.1



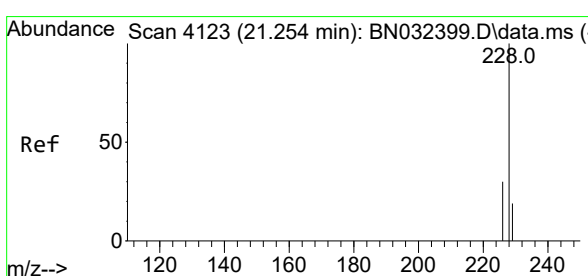
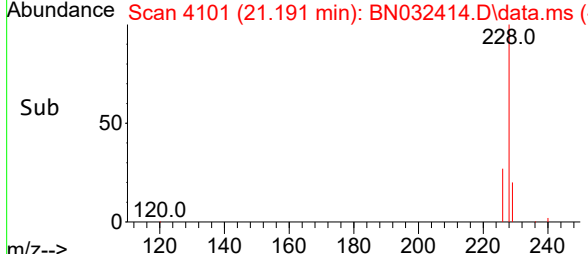
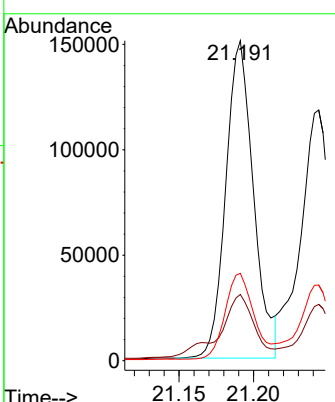
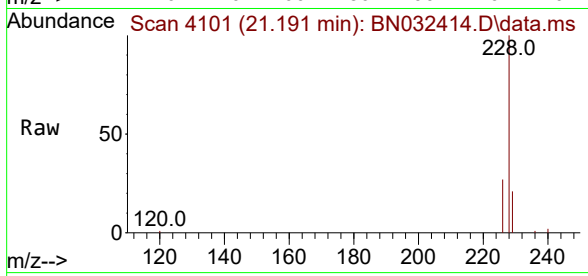


#21
 Benzo(a)anthracene
 Concen: 2.750 ng/ul
 RT: 21.191 min Scan# 4119
 Delta R.T. -0.023 min
 Lab File: BN032414.D
 Acq: 02 Jul 2024 23:12

Instrument :
 BNA_N
 ClientSampleId :
 A4B54DL

Tgt Ion:228 Resp: 193908

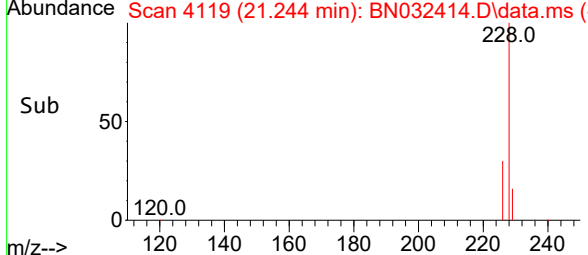
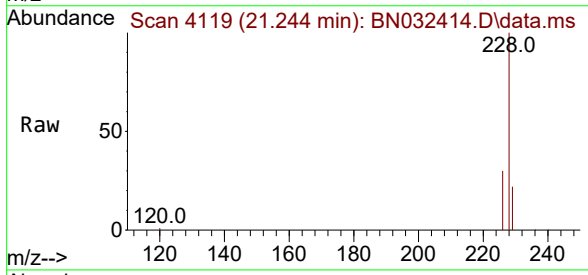
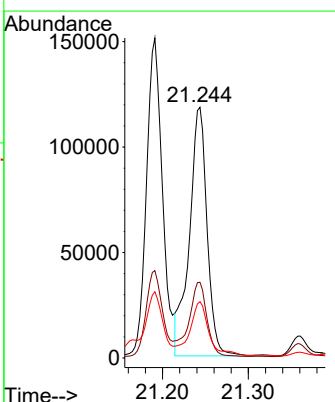
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.7	23.5
226	27.3	21.8	32.8

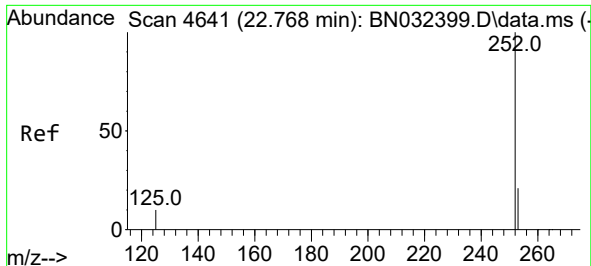


#22
 Chrysene
 Concen: 2.194 ng/ul
 RT: 21.244 min Scan# 4119
 Delta R.T. -0.023 min
 Lab File: BN032414.D
 Acq: 02 Jul 2024 23:12

Tgt Ion:228 Resp: 169800

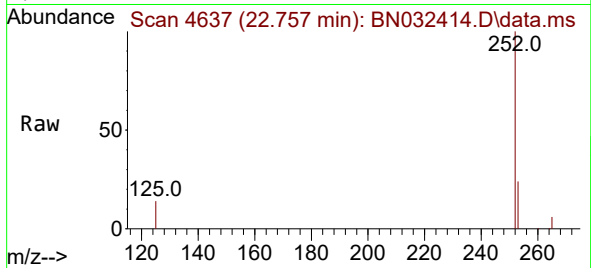
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.4	15.7	23.5



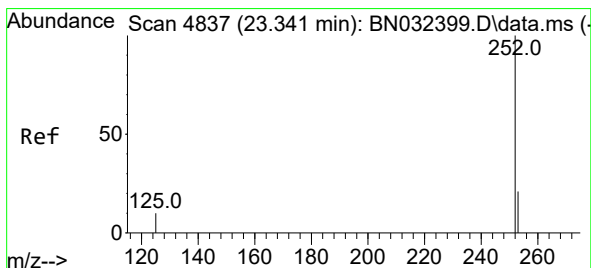
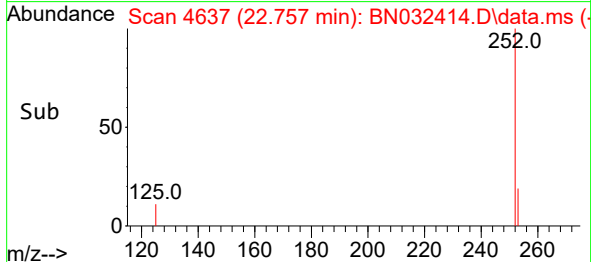
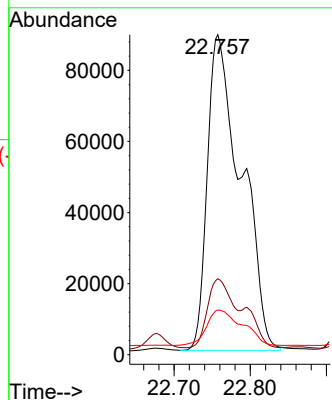


#24
Benzo(b)fluoranthene
Concen: 2.781 ng/ul
RT: 22.757 min Scan# 4637
Delta R.T. -0.026 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

Instrument :
BNA_N
ClientSampleId :
A4B54DL

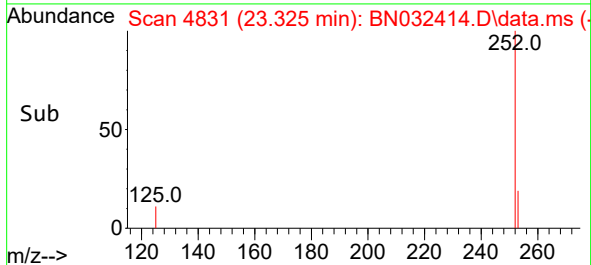
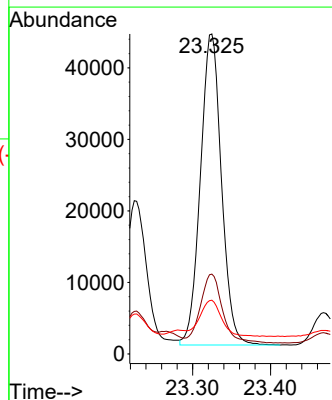
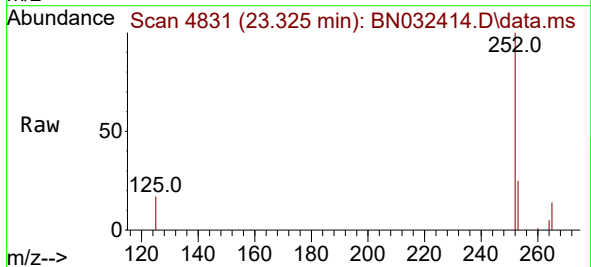


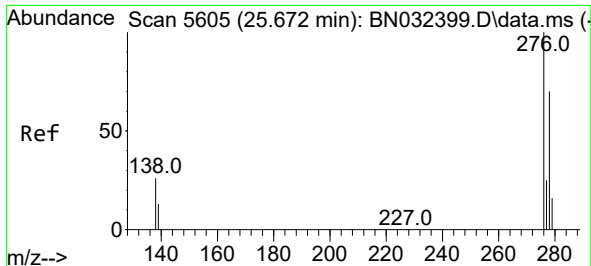
Tgt Ion:252 Resp: 273362
Ion Ratio Lower Upper
252 100
253 23.7 0.0 50.2
125 14.0 0.0 32.0



#26
Benzo(a)pyrene
Concen: 1.193 ng/ul
RT: 23.325 min Scan# 4831
Delta R.T. -0.035 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

Tgt Ion:252 Resp: 81593
Ion Ratio Lower Upper
252 100
253 24.9 22.2 33.2
125 16.8 16.4 24.6

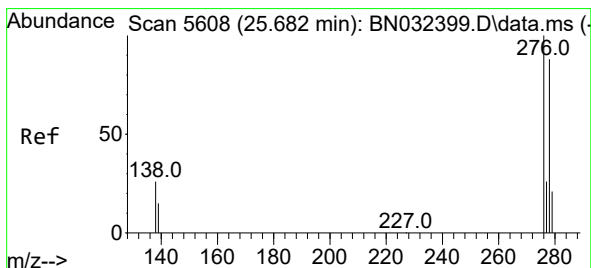
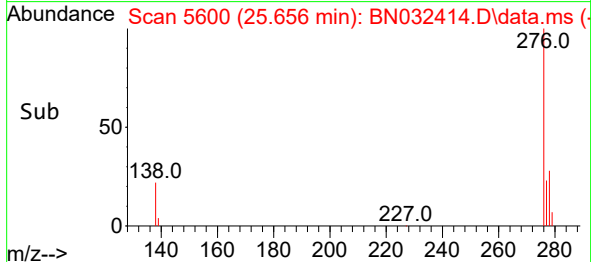
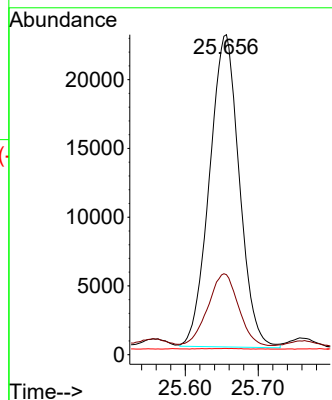
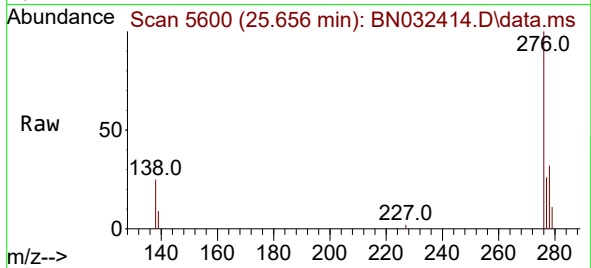




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.603 ng/ul
RT: 25.656 min Scan# 5600
Delta R.T. -0.044 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

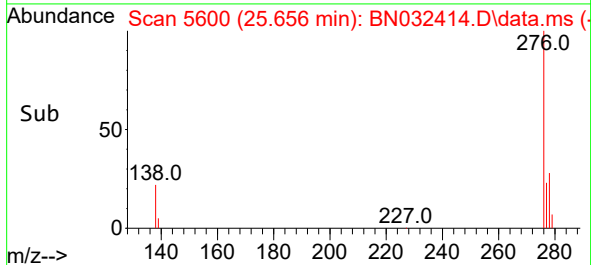
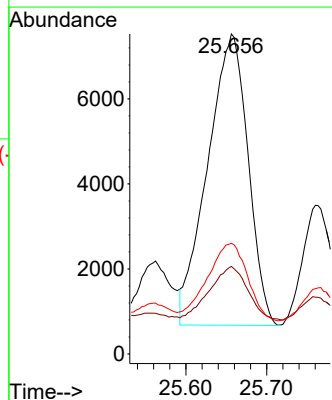
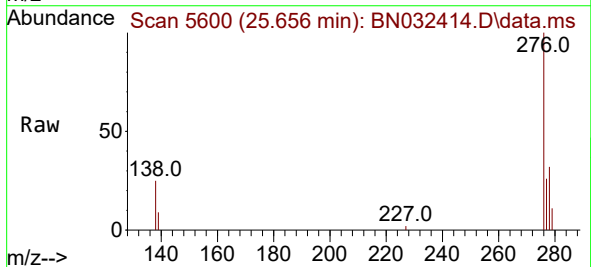
Instrument :
BNA_N
ClientSampleId :
A4B54DL

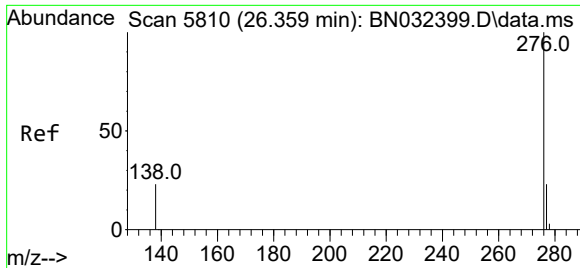
Tgt Ion:276 Resp: 64543
Ion Ratio Lower Upper
276 100
138 23.4 21.3 31.9
227 0.1 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.299 ng/ul
RT: 25.656 min Scan# 5600
Delta R.T. -0.054 min
Lab File: BN032414.D
Acq: 02 Jul 2024 23:12

Tgt Ion:278 Resp: 23821
Ion Ratio Lower Upper
278 100
139 27.4 15.9 23.9#
279 34.6 21.1 31.7#





#29
 Benzo(g,h,i)perylene
 Concen: 0.101 ng/ul
 RT: 26.340 min Scan# 51
 Delta R.T. -0.040 min
 Lab File: BN032414.D
 Acq: 02 Jul 2024 23:12

Instrument :
 BNA_N
 ClientSampleId :
 A4B54DL

Tgt Ion:276 Resp: 8576
 Ion Ratio Lower Upper
 276 100
 138 39.1 19.8 29.6#
 277 37.5 19.8 29.6#

