

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062223\
 Data File : BN025938.D
 Acq On : 22 Jun 2023 15:34
 Operator : MA/JU
 Sample : 03083-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFK0

Quant Time: Jun 23 01:03:28 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 22 01:27:41 2023
 Response via : Initial Calibration

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

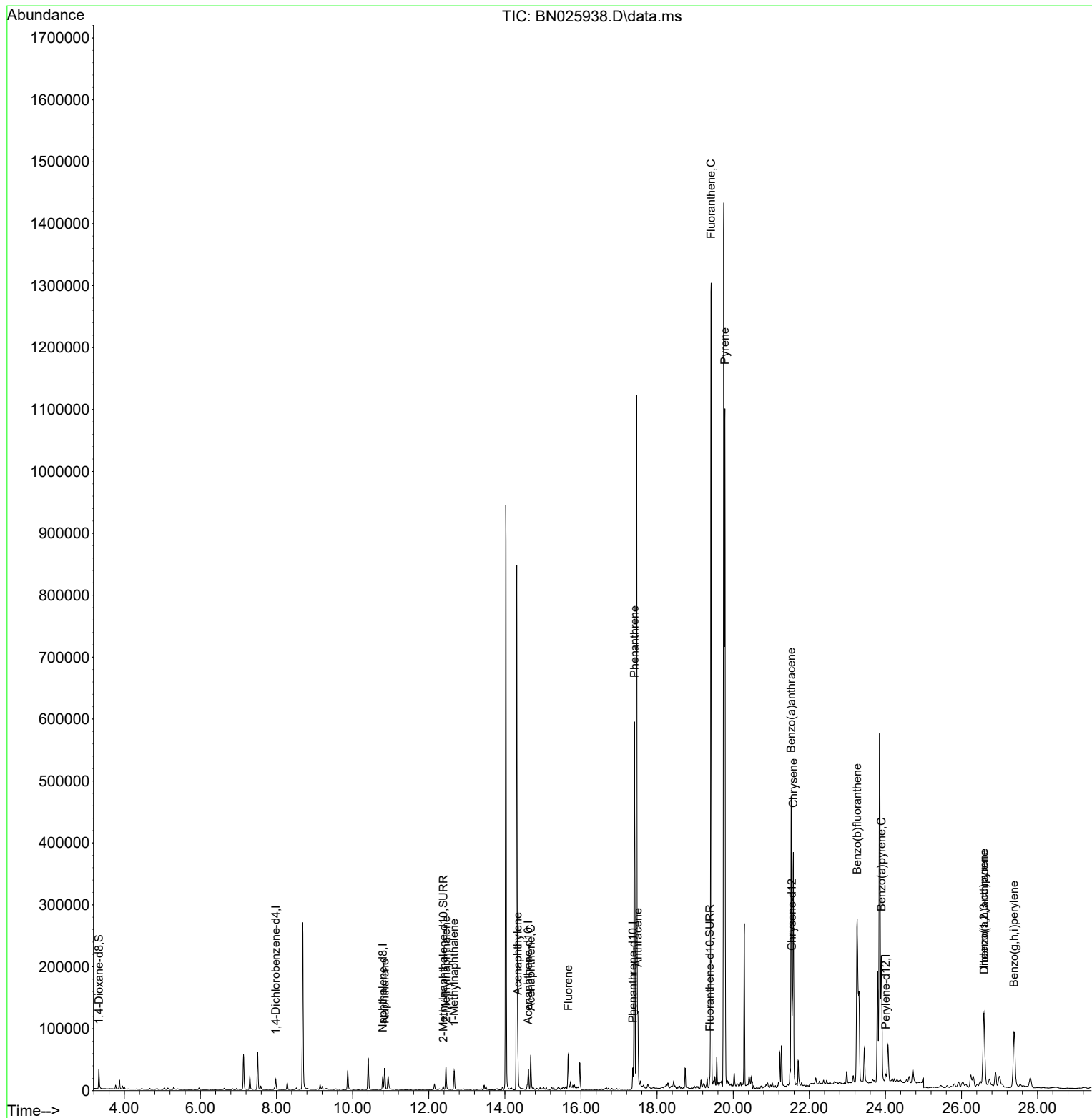
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	9667	0.400	ng/ul	0.00
4) Naphthalene-d8	10.792	136	29784	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.616	164	18843	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.364	188	40274	0.400	ng/ul	0.00
17) Chrysene-d12	21.541	240	24547	0.400	ng/ul	0.00
23) Perylene-d12	24.011	264	19224	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	21832	2.005	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.381	152	7031	0.153	ng/ul	0.00
18) Fluoranthene-d10	19.387	212	16811	0.180	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.842	128	49734	0.583	ng/ul	100
7) 2-Methylnaphthalene	12.453	142	27661	0.509	ng/ul	99
8) 1-Methylnaphthalene	12.667	142	21924	0.389	ng/ul	100
10) Acenaphthylene	14.339	152	64540	0.731	ng/ul	99
11) Acenaphthene	14.681	153	32775	0.454	ng/ul	98
12) Fluorene	15.667	166	36282	0.438	ng/ul	98
15) Phenanthrene	17.406	178	657778	4.945	ng/ul	99
16) Anthracene	17.495	178	116702	0.987	ng/ul	99
19) Fluoranthene	19.419	202	1137778	8.678	ng/ul	97
20) Pyrene	19.782	202	910761	6.679	ng/ul	96
21) Benzo(a)anthracene	21.523	228	413516	4.084	ng/ul	98
22) Chrysene	21.579	228	428638	4.068	ng/ul	97
24) Benzo(b)fluoranthene	23.256	252	710006	8.653	ng/ul	90
26) Benzo(a)pyrene	23.894	252	309346	4.341	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.588	276	220307	2.830	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.594	278	53636	0.910	ng/ul	97
29) Benzo(g,h,i)perylene	27.379	276	216138	3.121	ng/ul	95

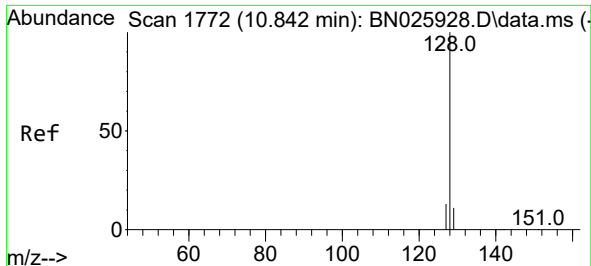
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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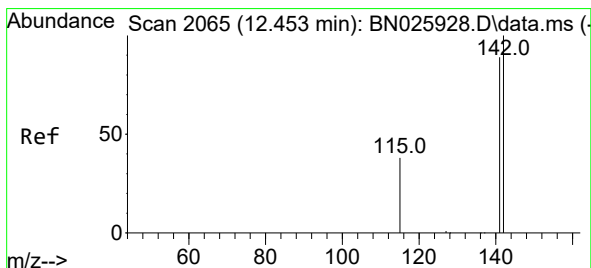
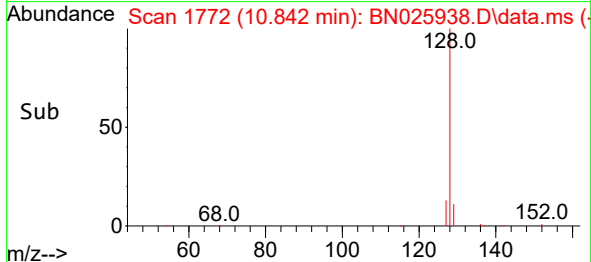
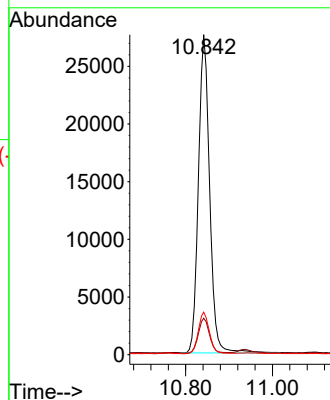
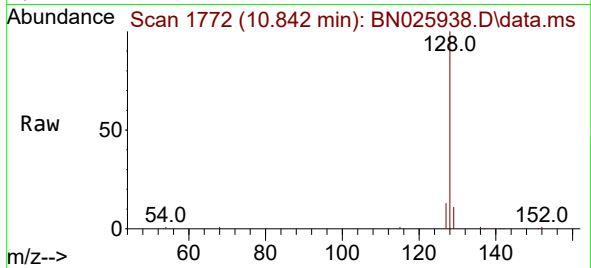




#5
Naphthalene
Concen: 0.583 ng/ul
RT: 10.842 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

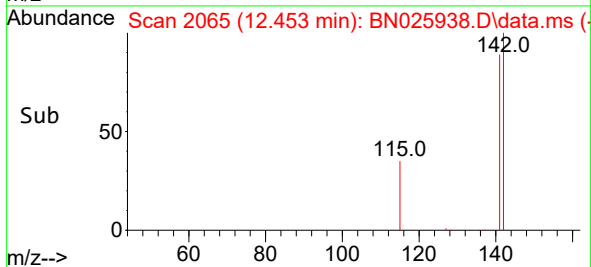
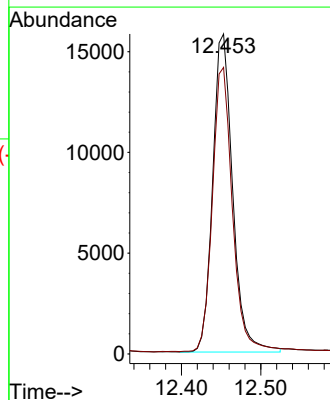
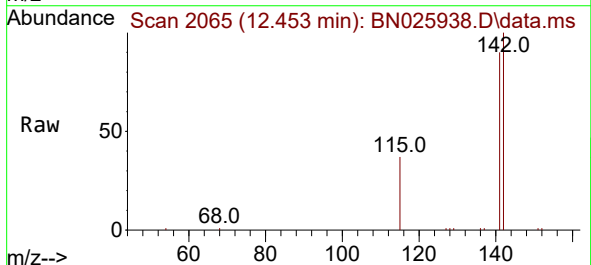
Instrument :
BNA_N
ClientSampleId :
DCFK0

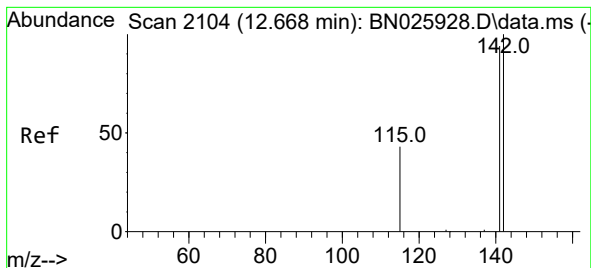
Tgt Ion:128 Resp: 49734
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.3 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.509 ng/ul
RT: 12.453 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

Tgt Ion:142 Resp: 27661
Ion Ratio Lower Upper
142 100
141 89.4 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.389 ng/ul

RT: 12.667 min Scan# 2104

Delta R.T. -0.006 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

Instrument :

BNA_N

ClientSampleId :

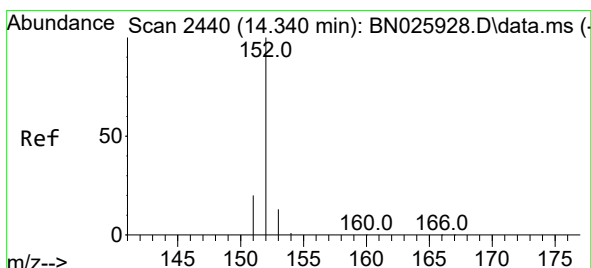
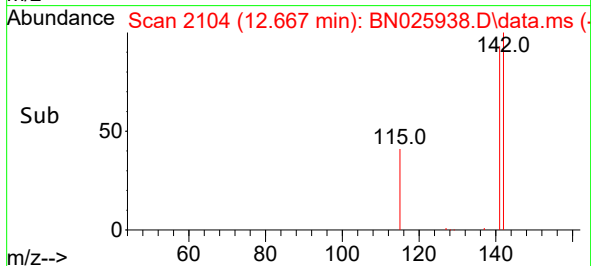
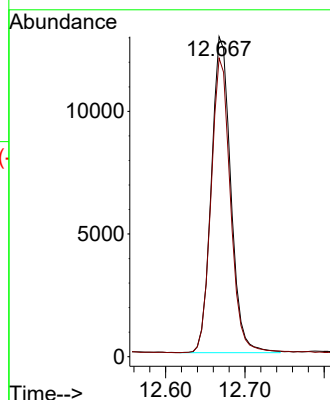
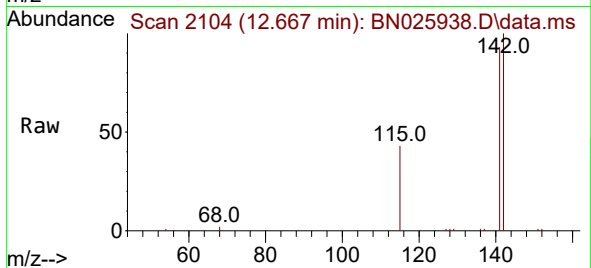
DCFK0

Tgt Ion:142 Resp: 21924

Ion Ratio Lower Upper

142 100

141 92.7 74.2 111.4



#10

Acenaphthylene

Concen: 0.731 ng/ul

RT: 14.339 min Scan# 2440

Delta R.T. -0.005 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

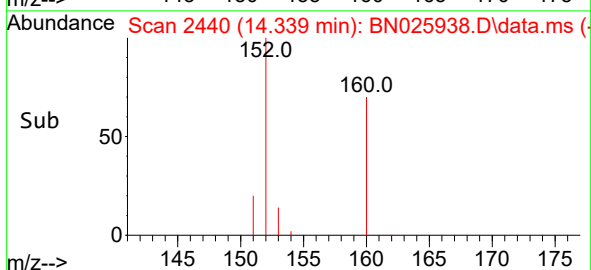
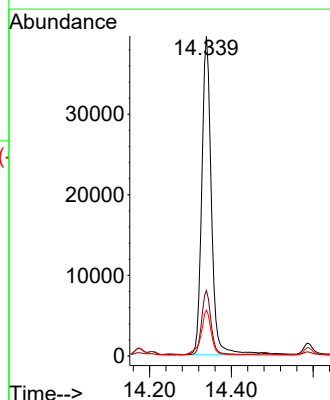
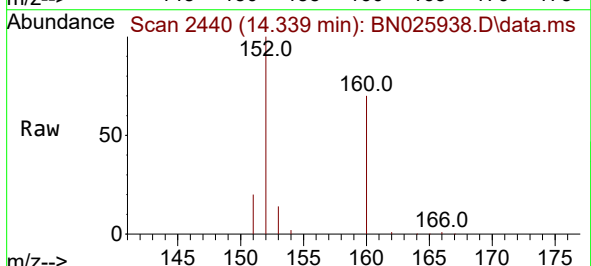
Tgt Ion:152 Resp: 64540

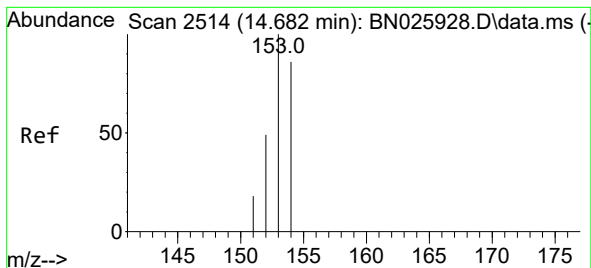
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 14.3 10.9 16.3





#11

Acenaphthene

Concen: 0.454 ng/ul

RT: 14.681 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

Instrument :

BNA_N

ClientSampleId :

DCFK0

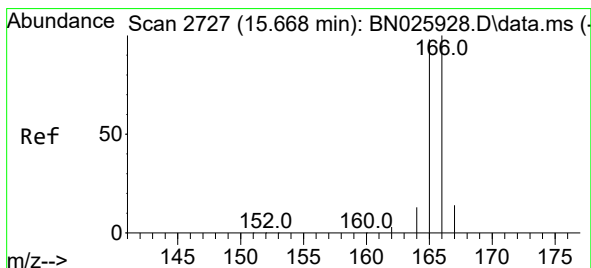
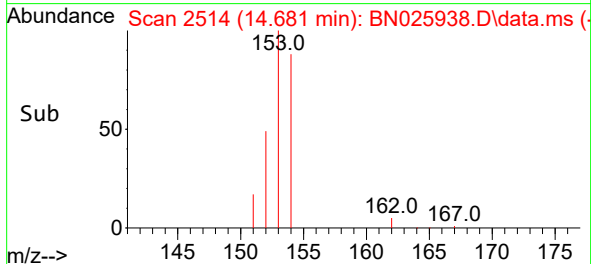
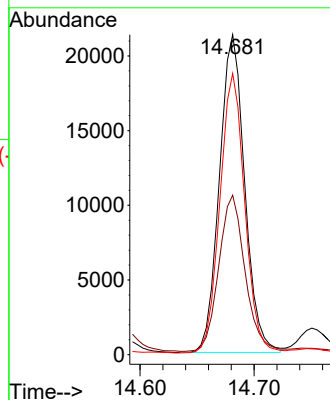
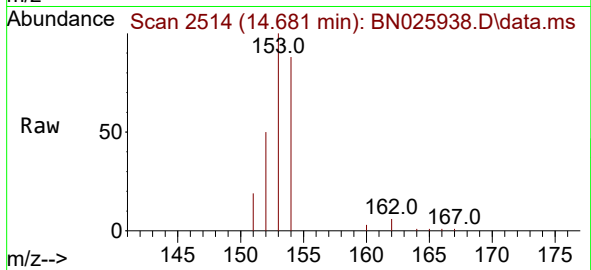
Tgt Ion:153 Resp: 32775

Ion Ratio Lower Upper

153 100

152 49.8 39.4 59.0

154 87.9 68.9 103.3



#12

Fluorene

Concen: 0.438 ng/ul

RT: 15.667 min Scan# 2727

Delta R.T. -0.000 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

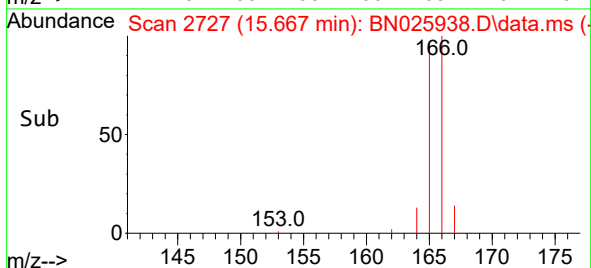
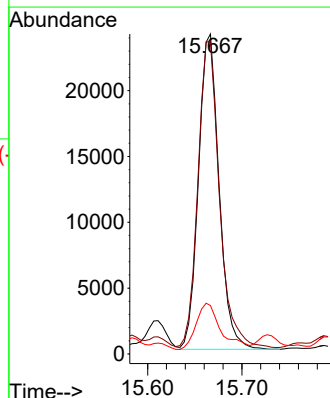
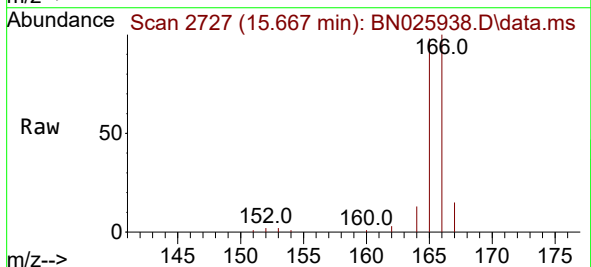
Tgt Ion:166 Resp: 36282

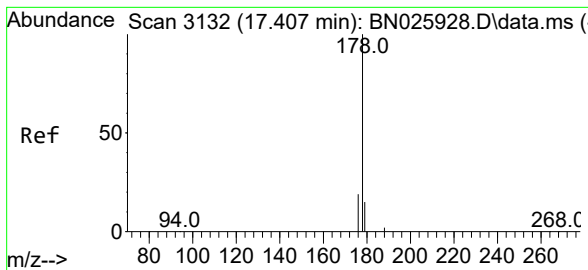
Ion Ratio Lower Upper

166 100

165 97.6 79.9 119.9

167 15.2 10.8 16.2

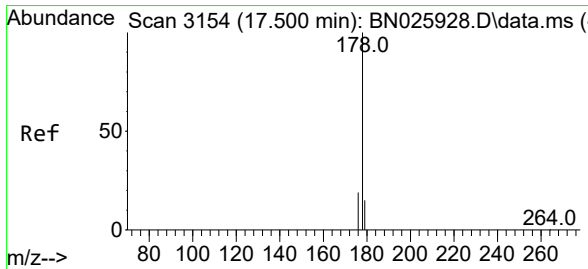
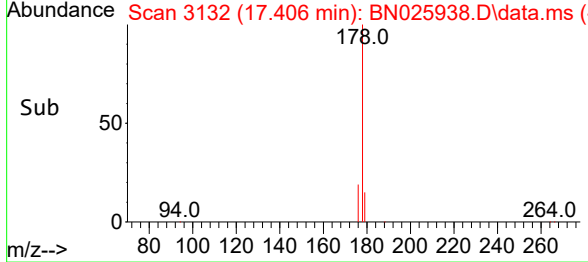
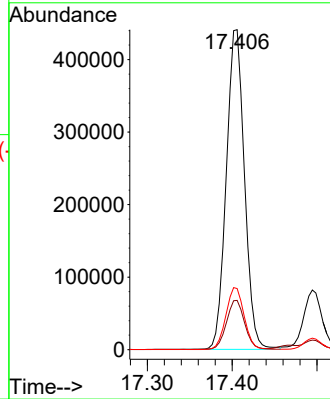
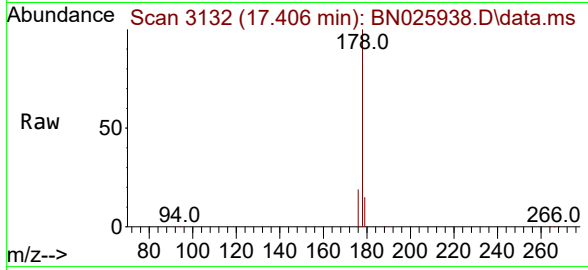




#15
 Phenanthrene
 Concen: 4.945 ng/ul
 RT: 17.406 min Scan# 3132
 Delta R.T. -0.000 min
 Lab File: BN025938.D
 Acq: 22 Jun 2023 15:34

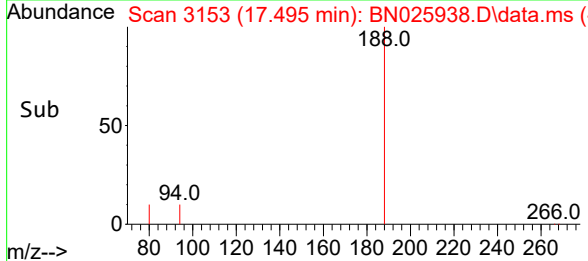
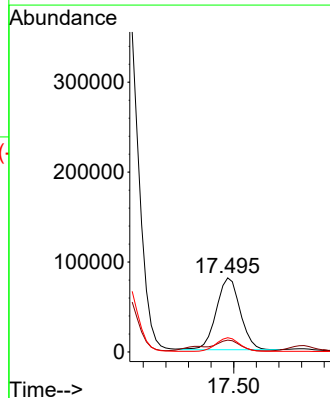
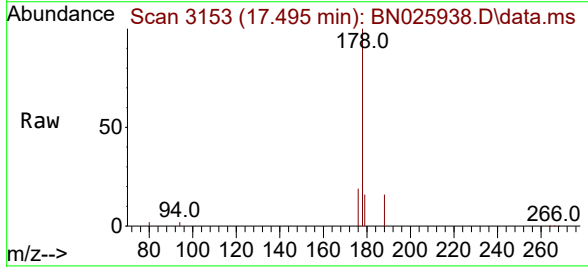
Instrument :
 BNA_N
 ClientSampleId :
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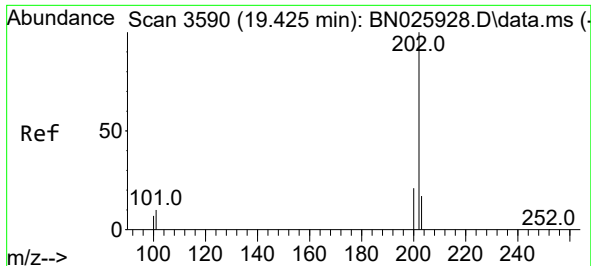
Tgt Ion:	178	Resp:	657778
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.1	15.8	23.6



#16
 Anthracene
 Concen: 0.987 ng/ul
 RT: 17.495 min Scan# 3153
 Delta R.T. -0.004 min
 Lab File: BN025938.D
 Acq: 22 Jun 2023 15:34

Tgt Ion:	178	Resp:	116702
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8
176	19.2	15.1	22.7





#19

Fluoranthene

Concen: 8.678 ng/ul

RT: 19.419 min Scan# 3589

Delta R.T. -0.000 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

Instrument :

BNA_N

ClientSampleId :

DCFK0

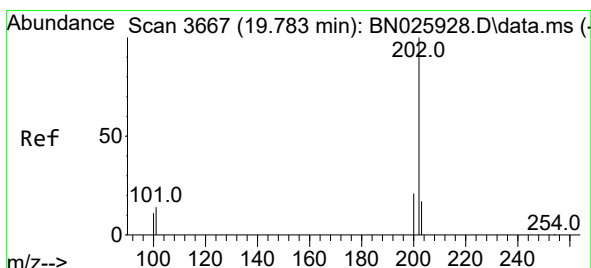
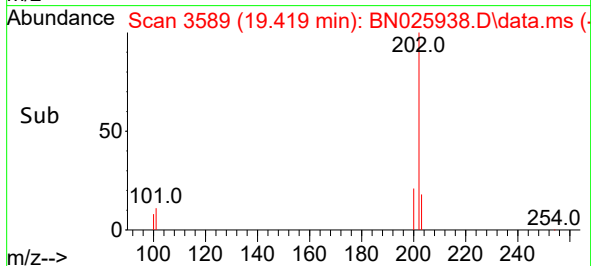
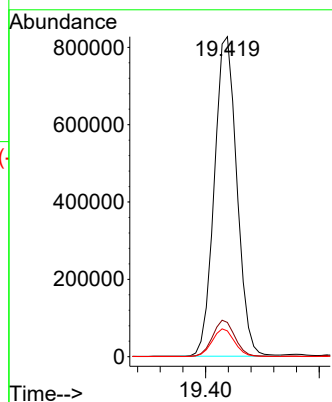
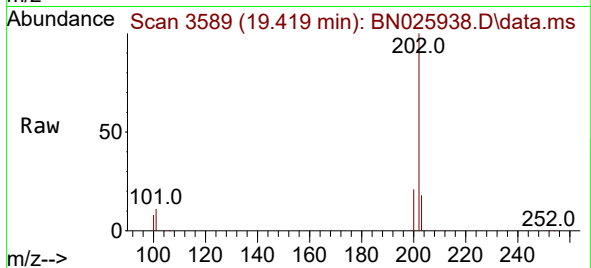
Tgt Ion:202 Resp: 1137778

Ion Ratio Lower Upper

202 100

101 10.7 9.5 14.3

100 8.1 7.3 10.9



#20

Pyrene

Concen: 6.679 ng/ul

RT: 19.782 min Scan# 3667

Delta R.T. -0.000 min

Lab File: BN025938.D

Acq: 22 Jun 2023 15:34

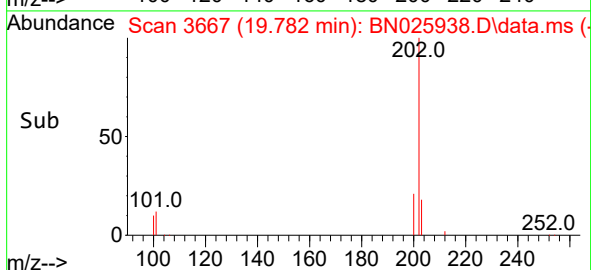
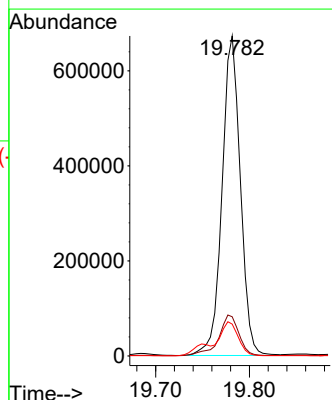
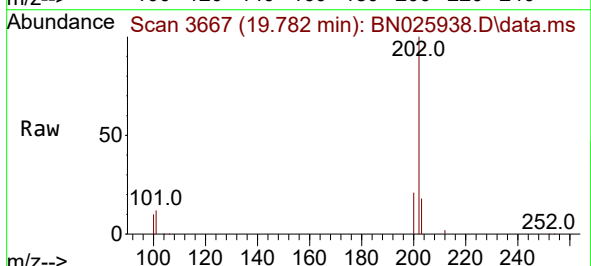
Tgt Ion:202 Resp: 910761

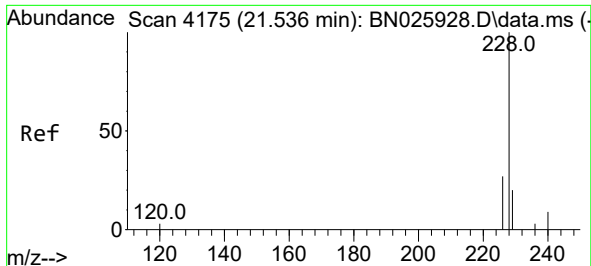
Ion Ratio Lower Upper

202 100

101 12.3 11.4 17.0

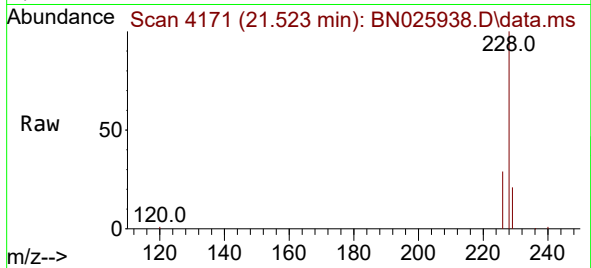
100 9.9 9.1 13.7



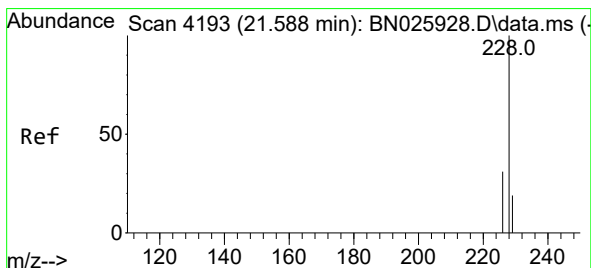
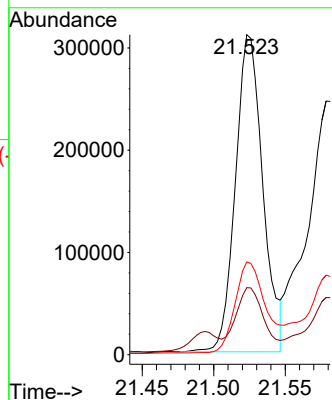


#21
Benzo(a)anthracene
Concen: 4.084 ng/ul
RT: 21.523 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

Instrument :
BNA_N
ClientSampleId :
DCFK0

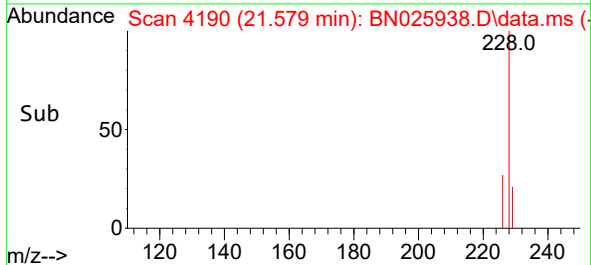
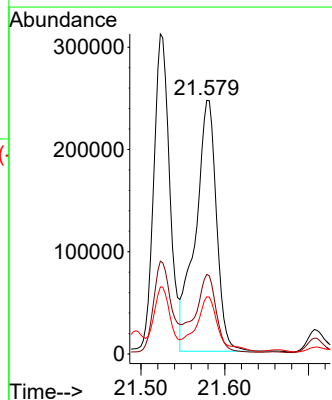
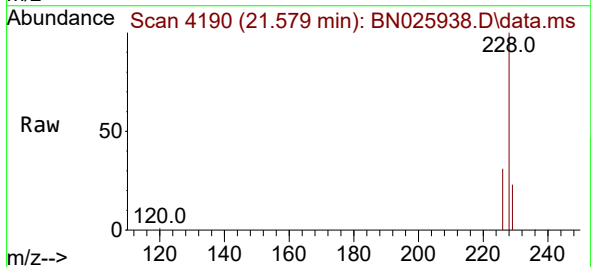


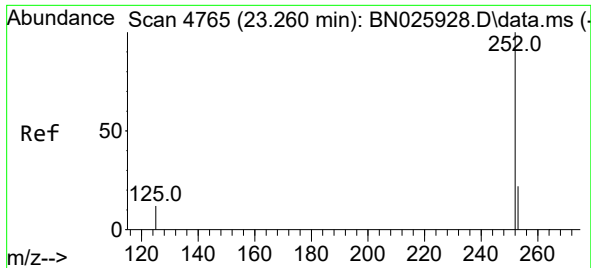
Tgt Ion:228 Resp: 413516
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 29.0 22.5 33.7



#22
Chrysene
Concen: 4.068 ng/ul
RT: 21.579 min Scan# 4190
Delta R.T. -0.006 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

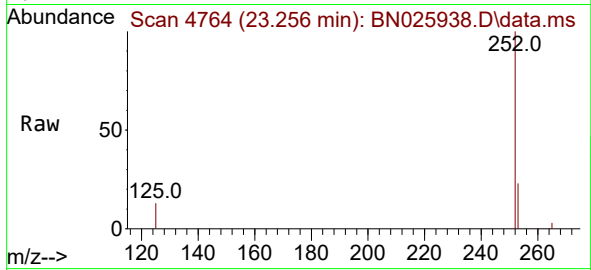
Tgt Ion:228 Resp: 428638
Ion Ratio Lower Upper
228 100
226 31.4 24.8 37.2
229 22.5 15.7 23.5



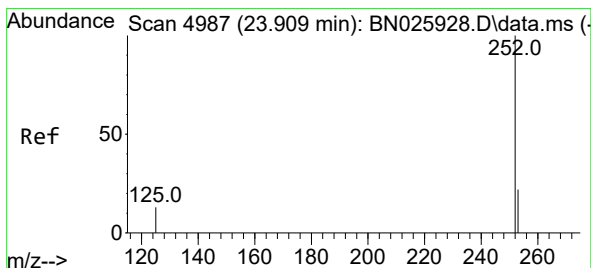
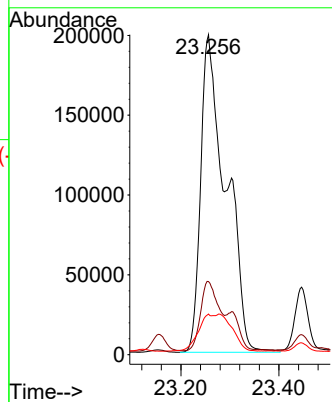
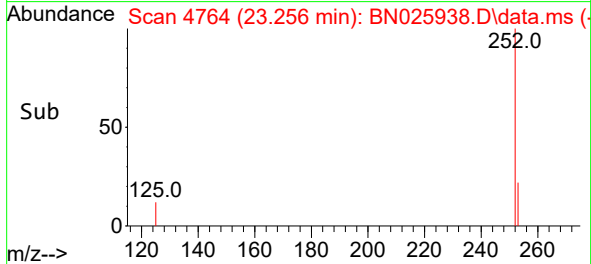


#24
Benzo(b)fluoranthene
Concen: 8.653 ng/ul
RT: 23.256 min Scan# 4764
Delta R.T. -0.000 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

Instrument :
BNA_N
ClientSampleId :
DCFK0

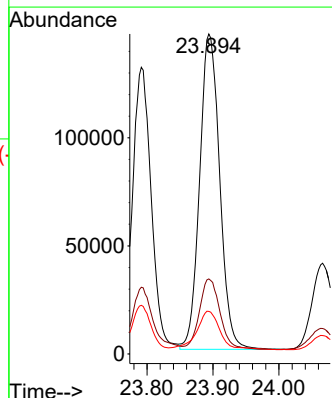
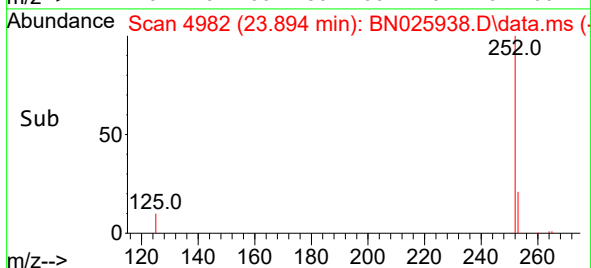
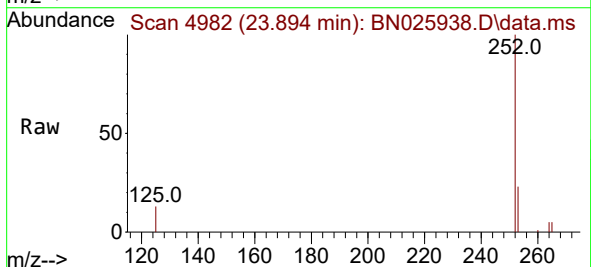


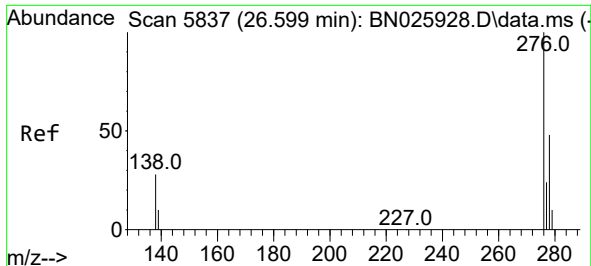
Tgt Ion:252 Resp: 710006
Ion Ratio Lower Upper
252 100
253 22.9 0.0 55.6
125 12.7 0.0 35.8



#26
Benzo(a)pyrene
Concen: 4.341 ng/ul
RT: 23.894 min Scan# 4982
Delta R.T. -0.015 min
Lab File: BN025938.D
Acq: 22 Jun 2023 15:34

Tgt Ion:252 Resp: 309346
Ion Ratio Lower Upper
252 100
253 23.4 26.0 39.0#
125 13.3 17.3 25.9#

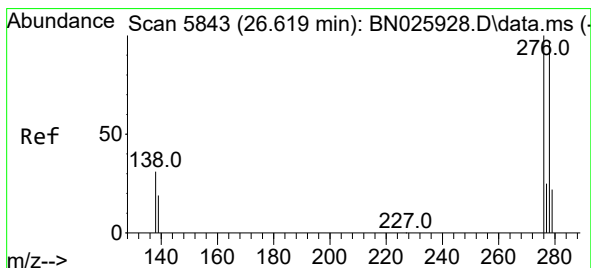
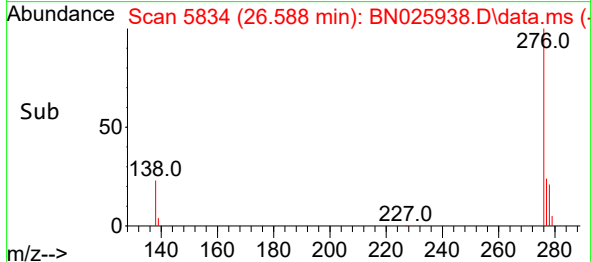
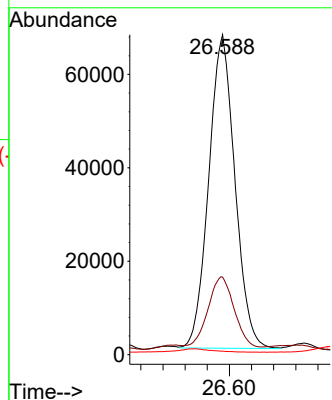
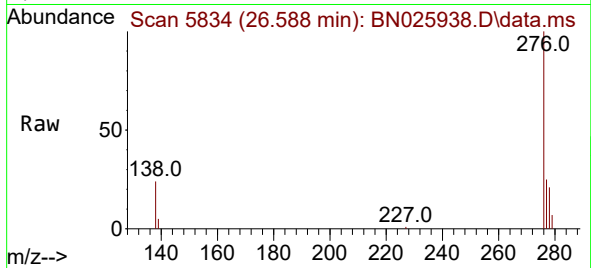




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.830 ng/ul
 RT: 26.588 min Scan# 5834
 Delta R.T. -0.007 min
 Lab File: BN025938.D
 Acq: 22 Jun 2023 15:34

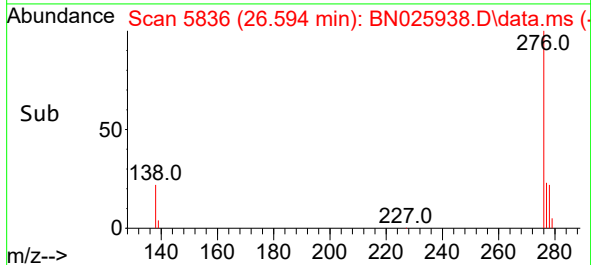
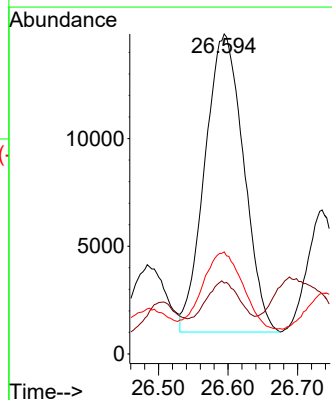
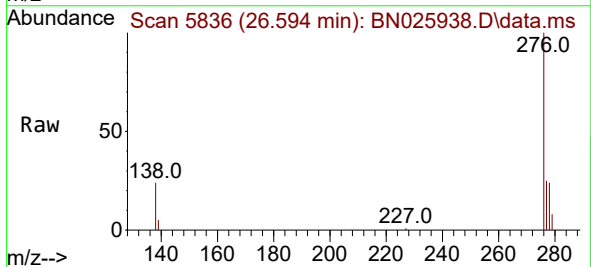
Instrument :
 BNA_N
 ClientSampleId :
 DCFK0

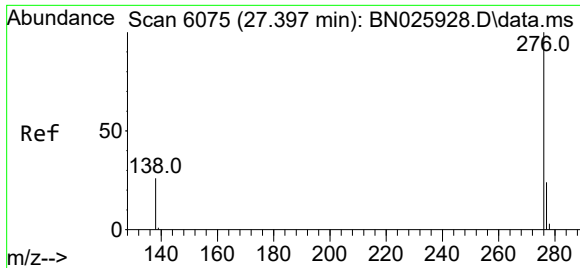
Tgt Ion:276 Resp: 220307
 Ion Ratio Lower Upper
 276 100
 138 25.9 24.5 36.7
 227 0.0 0.0 0.0



#28
 Dibenzo(a,h)anthracene
 Concen: 0.910 ng/ul
 RT: 26.594 min Scan# 5836
 Delta R.T. -0.027 min
 Lab File: BN025938.D
 Acq: 22 Jun 2023 15:34

Tgt Ion:278 Resp: 53636
 Ion Ratio Lower Upper
 278 100
 139 22.1 19.0 28.4
 279 31.9 26.7 40.1





#29
 Benzo(g,h,i)perylene
 Concen: 3.121 ng/ul
 RT: 27.379 min Scan# 6070
 Delta R.T. -0.007 min
 Lab File: BN025938.D
 Acq: 22 Jun 2023 15:34

Instrument :
 BNA_N
 ClientSampleId :
 DCFK0

Tgt Ion:276 Resp: 216138
 Ion Ratio Lower Upper
 276 100
 138 25.1 23.4 35.0
 277 24.2 20.0 30.0

