

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062223\
 Data File : BN025941.D
 Acq On : 22 Jun 2023 17:22
 Operator : MA/JU
 Sample : 03083-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFL5

Quant Time: Jun 23 01:03:59 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)

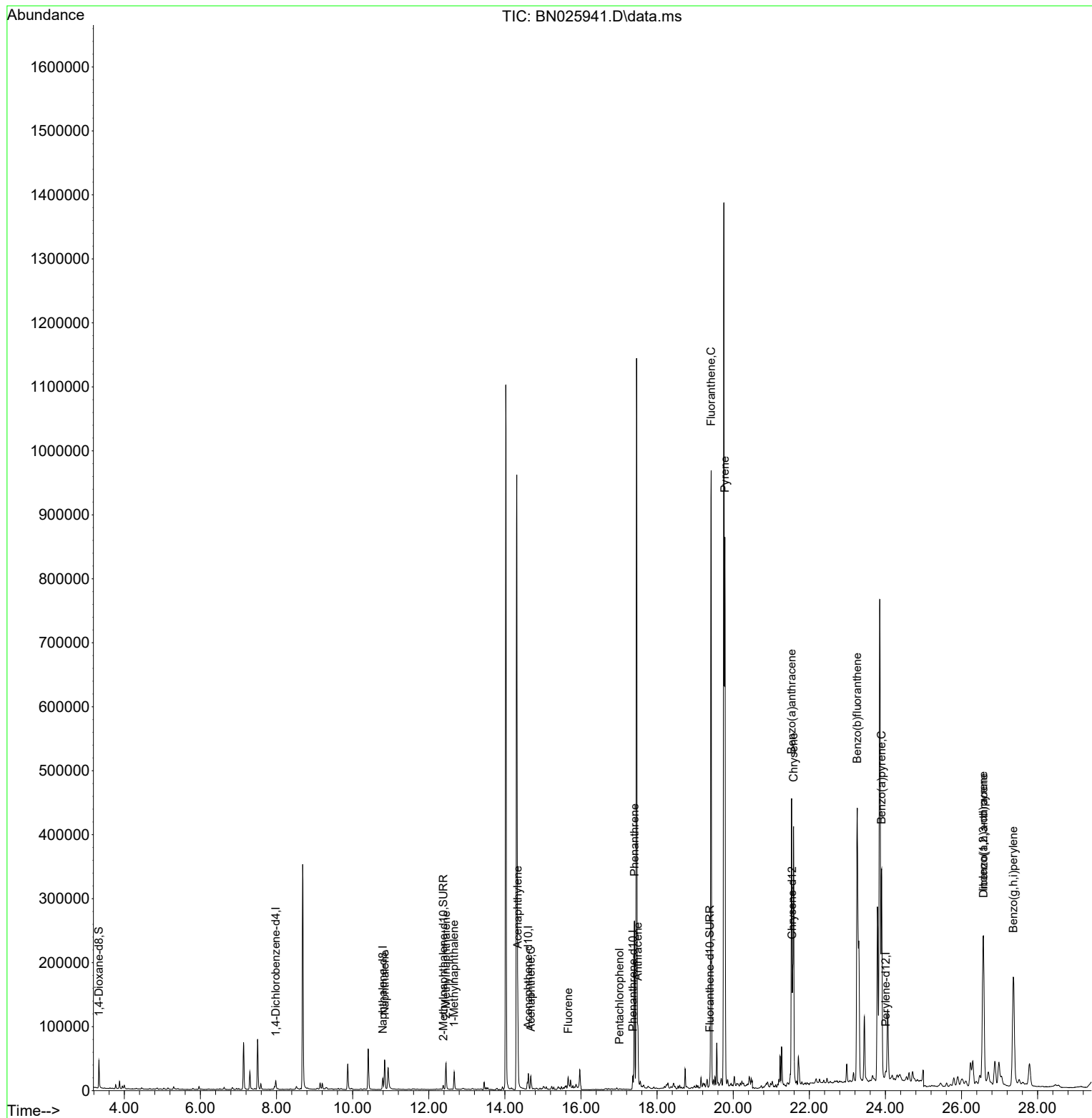
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	7798	0.400	ng/ul	0.00
4) Naphthalene-d8	10.792	136	23539	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.617	164	13606	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.364	188	24679	0.400	ng/ul	0.00
17) Chrysene-d12	21.549	240	15684	0.400	ng/ul	0.00
23) Perylene-d12	24.008	264	16989	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	27877	3.174	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.382	152	8679	0.240	ng/ul	0.00
18) Fluoranthene-d10	19.387	212	15717	0.263	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.842	128	66397	0.984	ng/ul	100
7) 2-Methylnaphthalene	12.453	142	31823	0.741	ng/ul	99
8) 1-Methylnaphthalene	12.668	142	19014	0.427	ng/ul	99
10) Acenaphthylene	14.339	152	143624	2.254	ng/ul	99
11) Acenaphthene	14.681	153	13289	0.255	ng/ul	98
12) Fluorene	15.667	166	12437	0.208	ng/ul#	97
14) Pentachlorophenol	17.013	266	376	0.043	ng/ul	94
15) Phenanthrene	17.406	178	287103	3.522	ng/ul	99
16) Anthracene	17.495	178	90499	1.249	ng/ul	99
19) Fluoranthene	19.419	202	849621	10.142	ng/ul	97
20) Pyrene	19.782	202	700971	8.045	ng/ul	97
21) Benzo(a)anthracene	21.535	228	387617	5.991	ng/ul	95
22) Chrysene	21.587	228	464751	6.903	ng/ul	98
24) Benzo(b)fluoranthene	23.259	252	1037649	14.310	ng/ul	89
26) Benzo(a)pyrene	23.900	252	479016	7.606	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.571	276	430079	6.252	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.578	278	100431	1.929	ng/ul	94
29) Benzo(g,h,i)perylene	27.363	276	415567	6.791	ng/ul	95

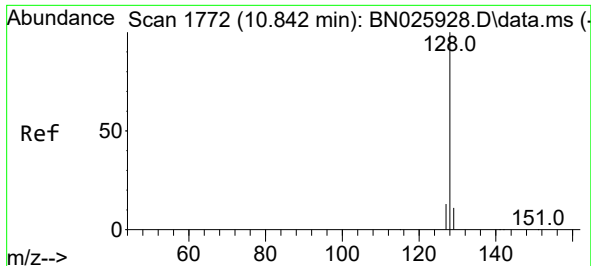
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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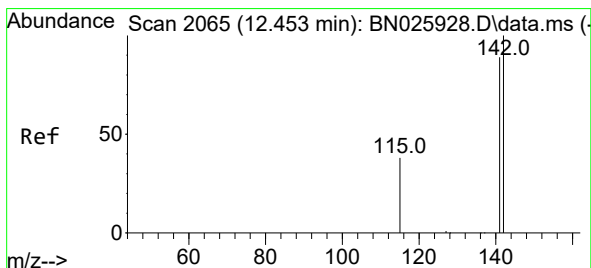
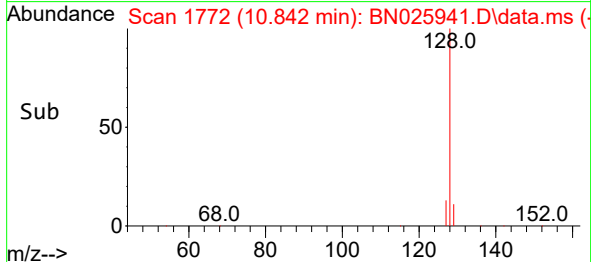
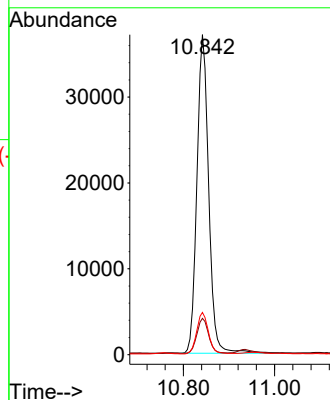
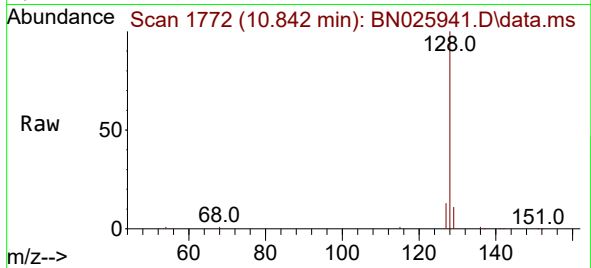




#5
Naphthalene
Concen: 0.984 ng/ul
RT: 10.842 min Scan# 1772
Delta R.T. -0.005 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

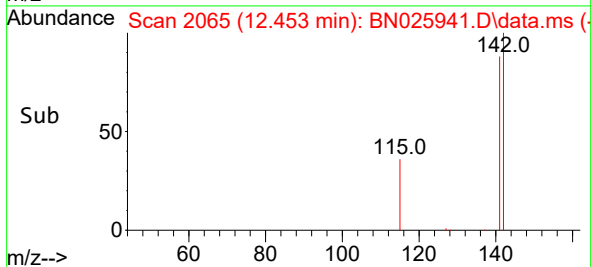
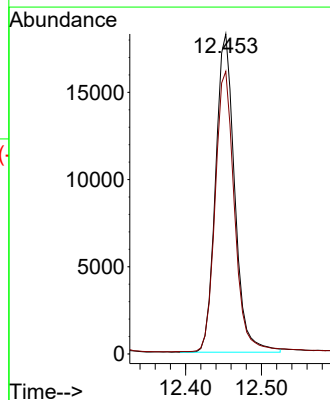
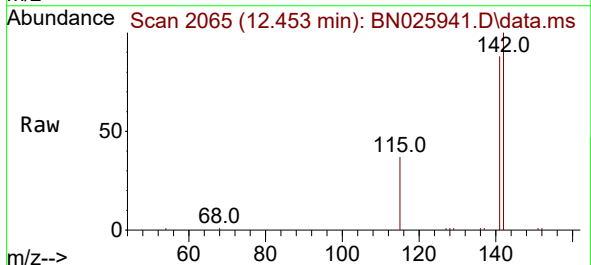
Instrument :
BNA_N
ClientSampleId :
DCFL5

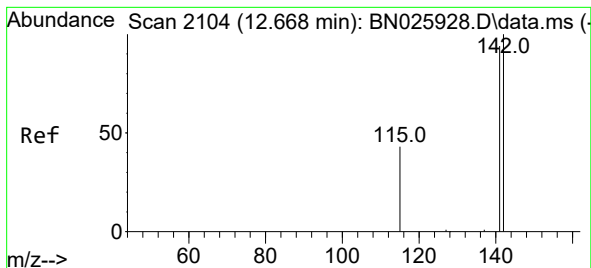
Tgt Ion:128 Resp: 66397
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.2 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.741 ng/ul
RT: 12.453 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

Tgt Ion:142 Resp: 31823
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.427 ng/ul

RT: 12.668 min Scan# 2104

Delta R.T. -0.005 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

Instrument :

BNA_N

ClientSampleId :

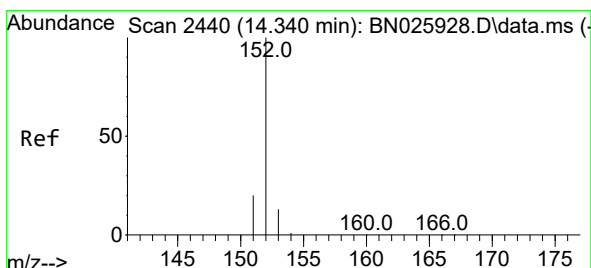
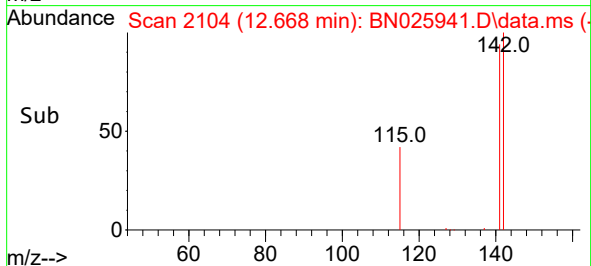
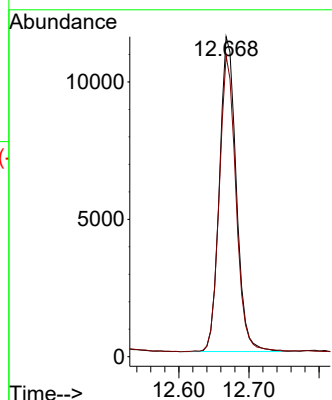
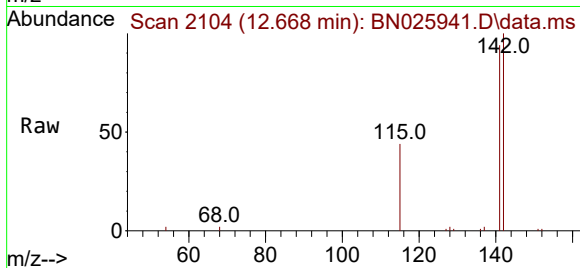
DCFL5

Tgt Ion:142 Resp: 19014

Ion Ratio Lower Upper

142 100

141 93.4 74.2 111.4



#10

Acenaphthylene

Concen: 2.254 ng/ul

RT: 14.339 min Scan# 2440

Delta R.T. -0.005 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

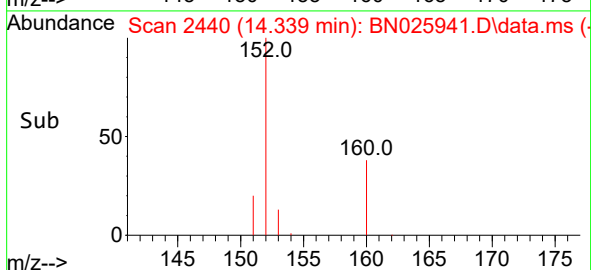
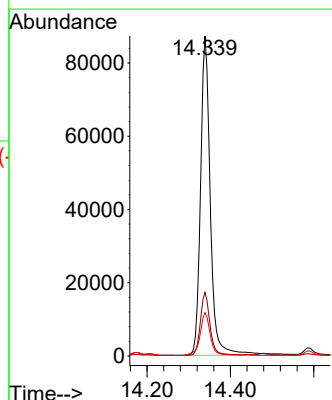
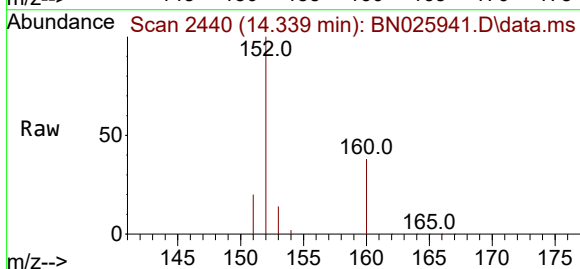
Tgt Ion:152 Resp: 143624

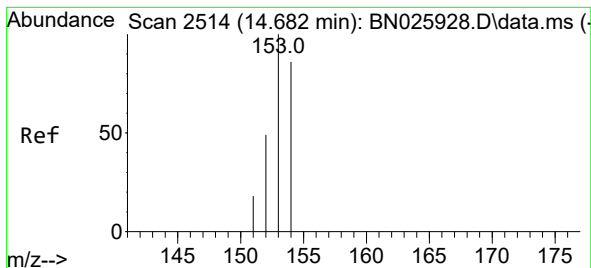
Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.6 10.9 16.3





#11

Acenaphthene

Concen: 0.255 ng/ul

RT: 14.681 min Scan# 2514

Delta R.T. 0.000 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

Instrument :

BNA_N

ClientSampleId :

DCFL5

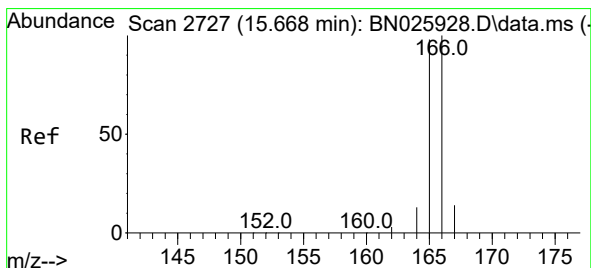
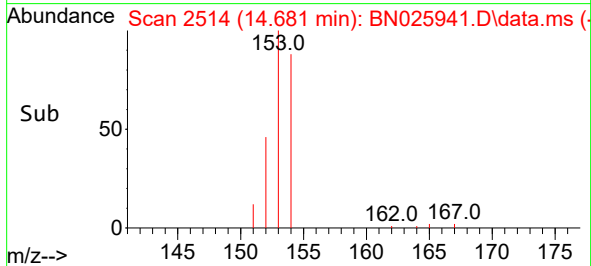
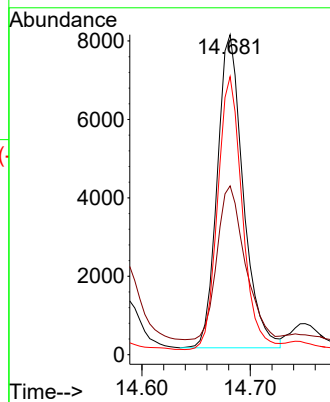
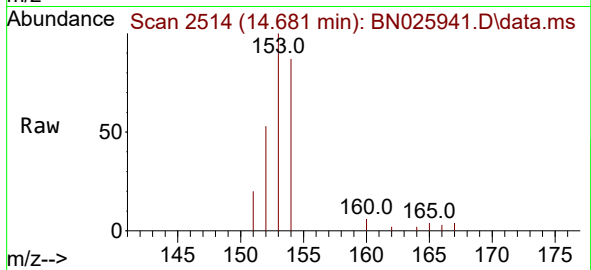
Tgt Ion:153 Resp: 13289

Ion Ratio Lower Upper

153 100

152 52.8 39.4 59.0

154 86.9 68.9 103.3



#12

Fluorene

Concen: 0.208 ng/ul

RT: 15.667 min Scan# 2727

Delta R.T. 0.000 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

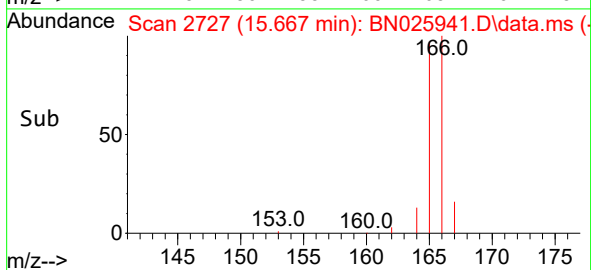
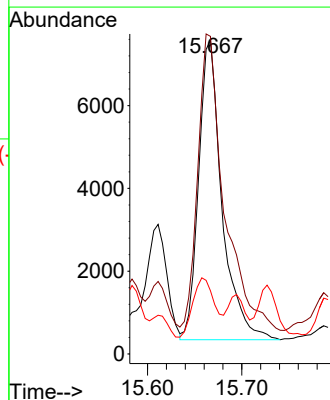
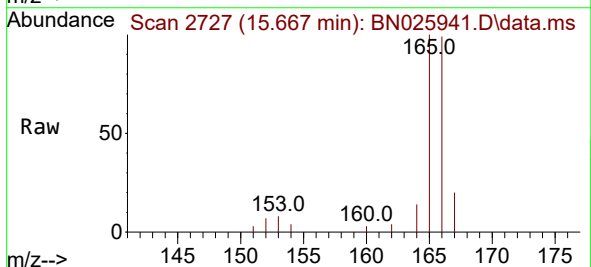
Tgt Ion:166 Resp: 12437

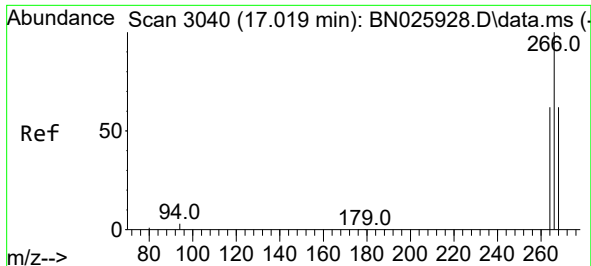
Ion Ratio Lower Upper

166 100

165 101.2 79.9 119.9

167 20.1 10.8 16.2#

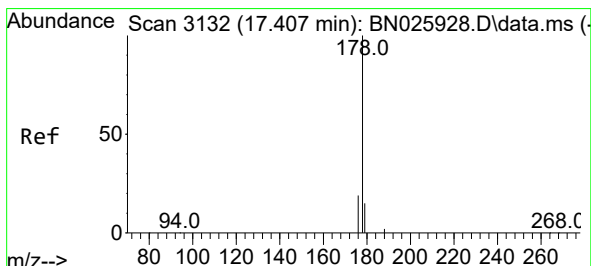
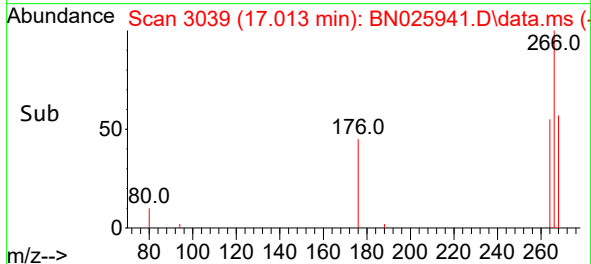
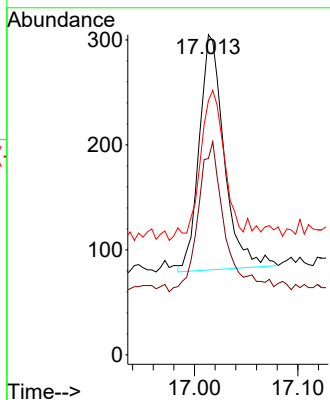
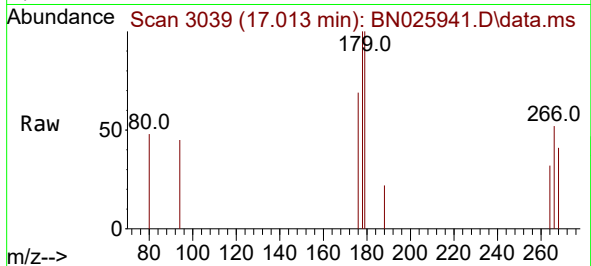




#14
 Pentachlorophenol
 Concen: 0.043 ng/ul
 RT: 17.013 min Scan# 3040
 Delta R.T. -0.004 min
 Lab File: BN025941.D
 Acq: 22 Jun 2023 17:22

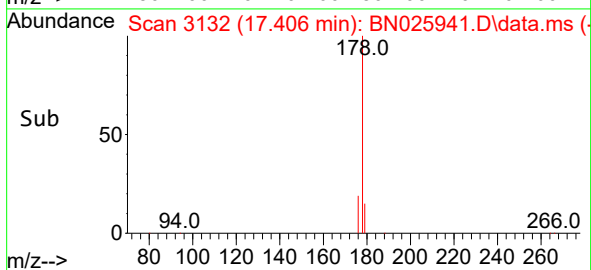
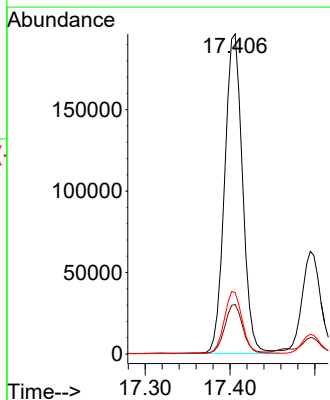
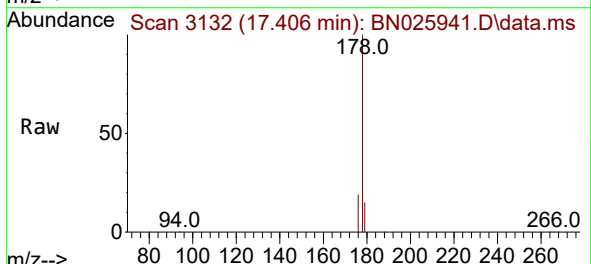
Instrument :
 BNA_N
 ClientSampleId :
 DCFL5

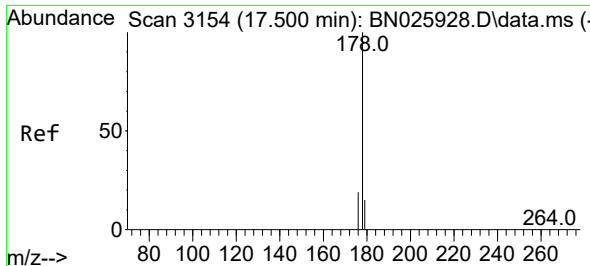
Tgt Ion:266 Resp: 376
 Ion Ratio Lower Upper
 266 100
 264 69.9 50.5 75.7
 268 62.5 51.6 77.4



#15
 Phenanthrene
 Concen: 3.522 ng/ul
 RT: 17.406 min Scan# 3132
 Delta R.T. 0.000 min
 Lab File: BN025941.D
 Acq: 22 Jun 2023 17:22

Tgt Ion:178 Resp: 287103
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.6 19.0
 176 19.2 15.8 23.6

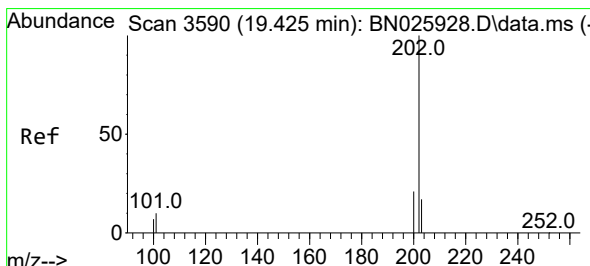
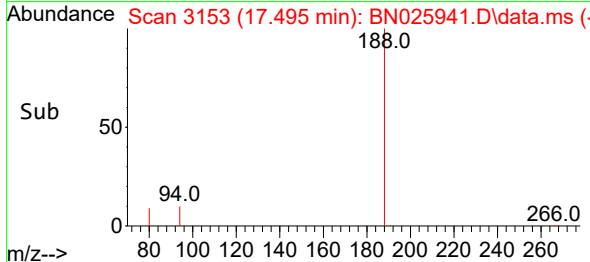
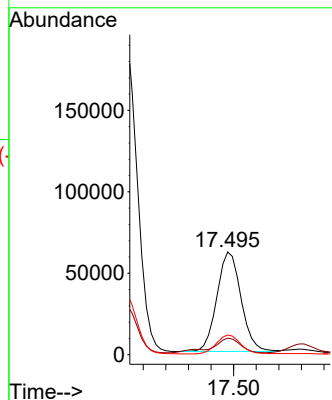
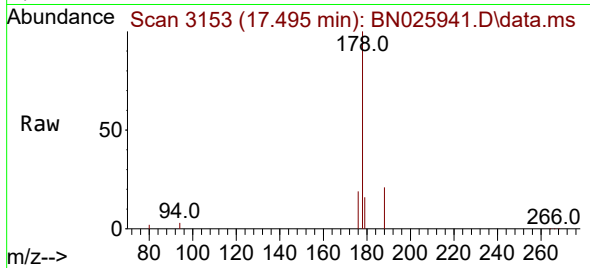




#16
 Anthracene
 Concen: 1.249 ng/ul
 RT: 17.495 min Scan# 3154
 Delta R.T. -0.004 min
 Lab File: BN025941.D
 Acq: 22 Jun 2023 17:22

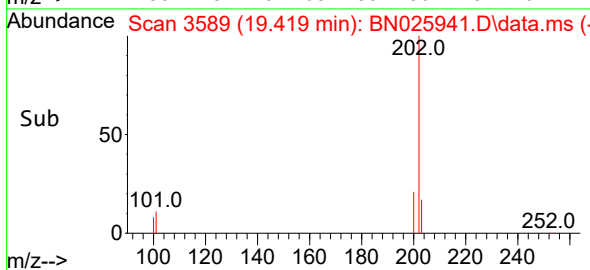
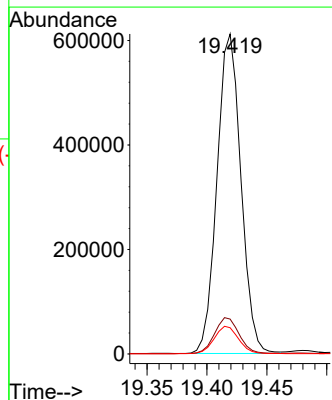
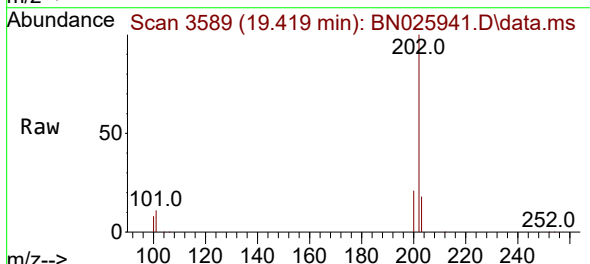
Instrument :
 BNA_N
 ClientSampleId :
 DCFL5

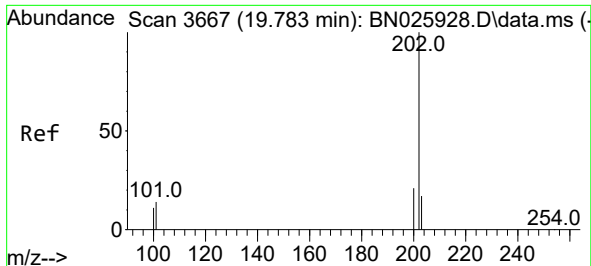
Tgt Ion:178 Resp: 90499
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 18.8
 176 19.1 15.1 22.7



#19
 Fluoranthene
 Concen: 10.142 ng/ul
 RT: 19.419 min Scan# 3589
 Delta R.T. 0.000 min
 Lab File: BN025941.D
 Acq: 22 Jun 2023 17:22

Tgt Ion:202 Resp: 849621
 Ion Ratio Lower Upper
 202 100
 101 10.9 9.5 14.3
 100 8.2 7.3 10.9

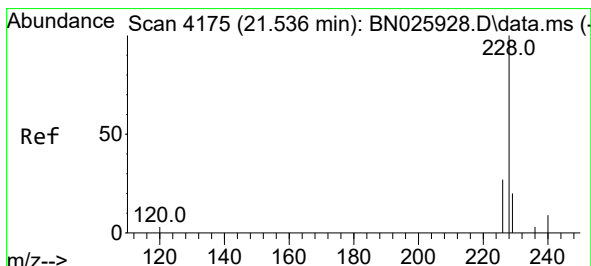
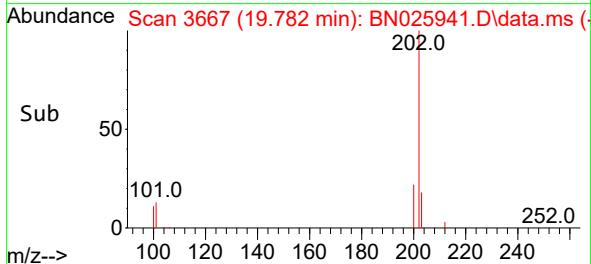
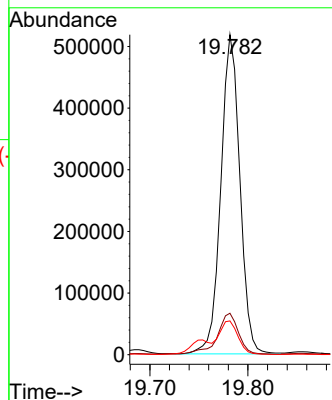
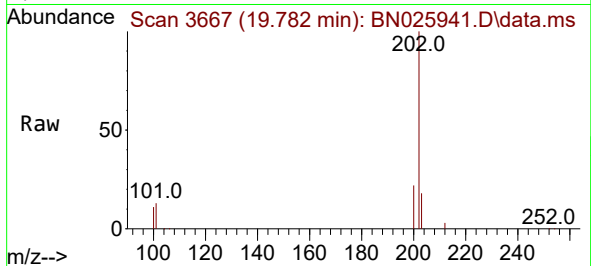




#20
Pyrene
Concen: 8.045 ng/ul
RT: 19.782 min Scan# 3667
Delta R.T. 0.000 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

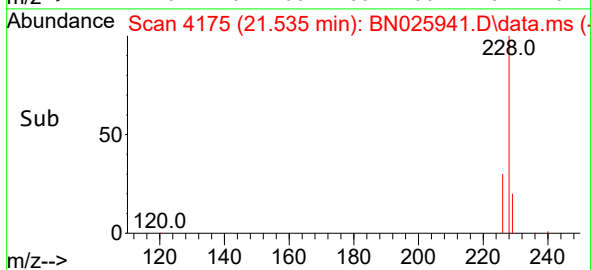
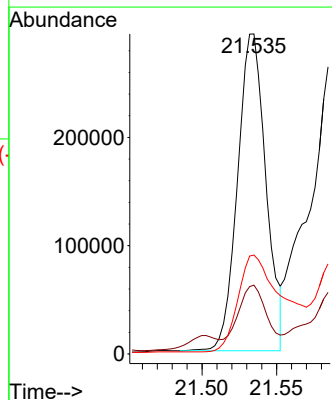
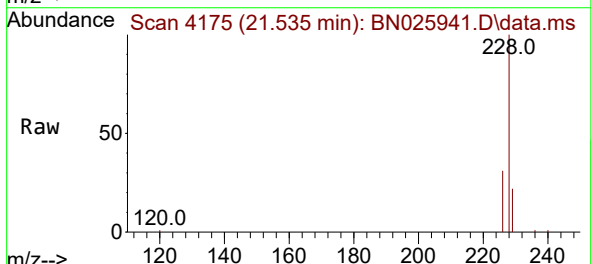
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ClientSampleId :
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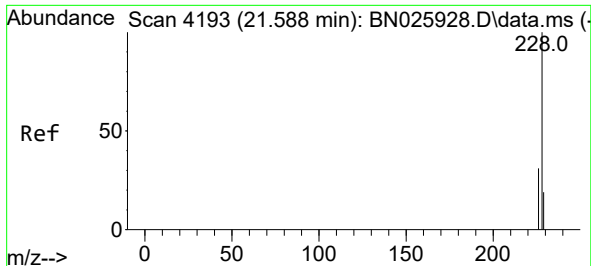
Tgt Ion:202 Resp: 700971
Ion Ratio Lower Upper
202 100
101 12.9 11.4 17.0
100 10.5 9.1 13.7



#21
Benzo(a)anthracene
Concen: 5.991 ng/ul
RT: 21.535 min Scan# 4175
Delta R.T. 0.003 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

Tgt Ion:228 Resp: 387617
Ion Ratio Lower Upper
228 100
229 21.5 15.8 23.6
226 30.9 22.5 33.7





#22

Chrysene

Concen: 6.903 ng/ul

RT: 21.587 min Scan# 4193

Delta R.T. 0.003 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

Instrument :

BNA_N

ClientSampleId :

DCFL5

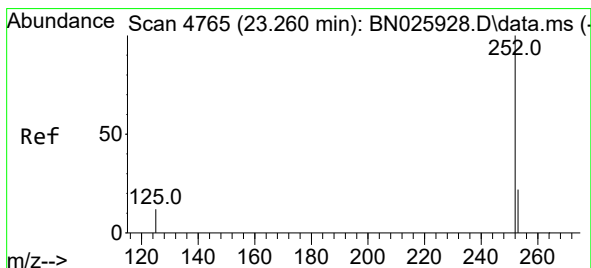
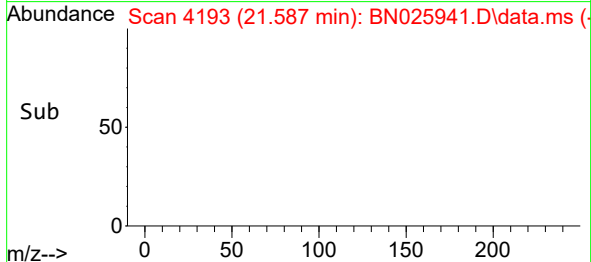
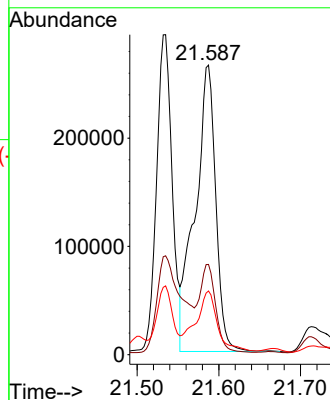
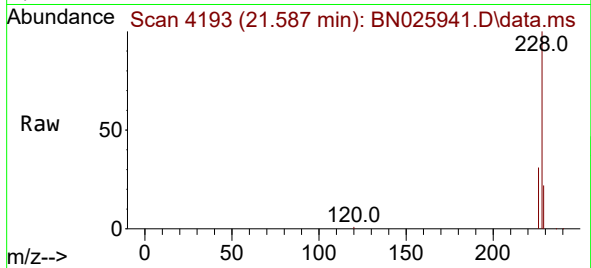
Tgt Ion:228 Resp: 464751

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

229 22.0 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 14.310 ng/ul

RT: 23.259 min Scan# 4765

Delta R.T. 0.003 min

Lab File: BN025941.D

Acq: 22 Jun 2023 17:22

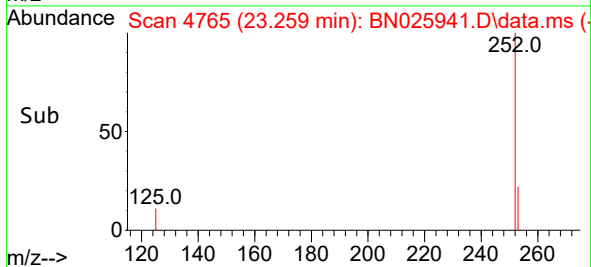
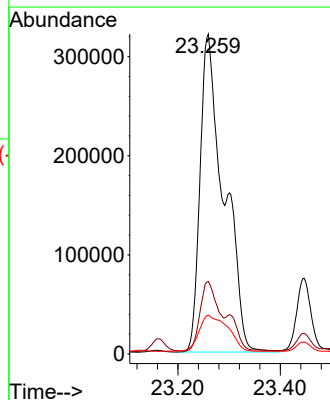
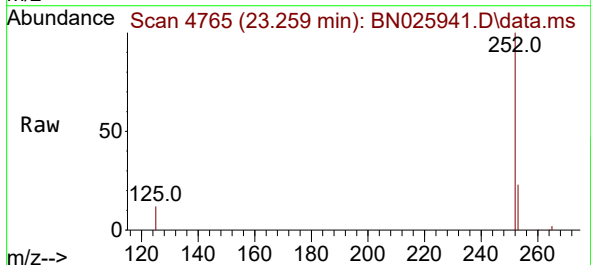
Tgt Ion:252 Resp: 1037649

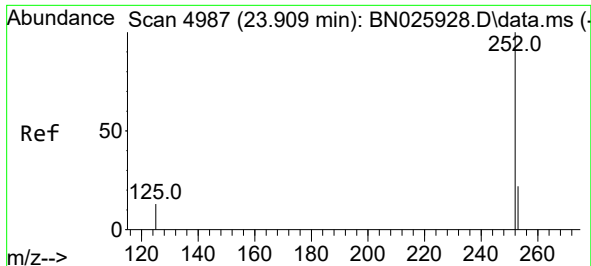
Ion Ratio Lower Upper

252 100

253 22.7 0.0 55.6

125 12.1 0.0 35.8

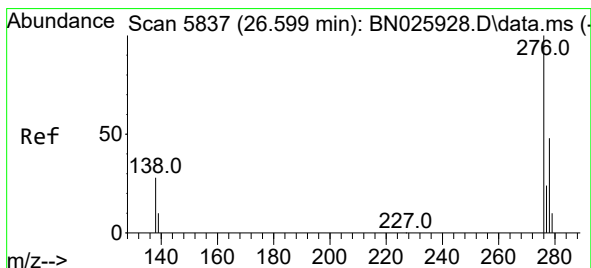
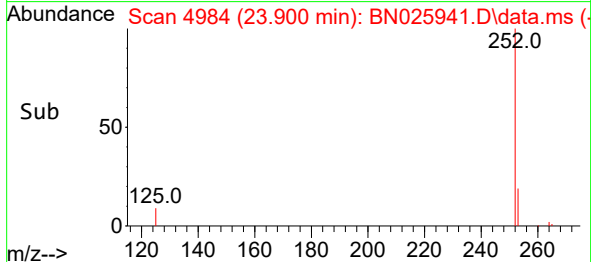
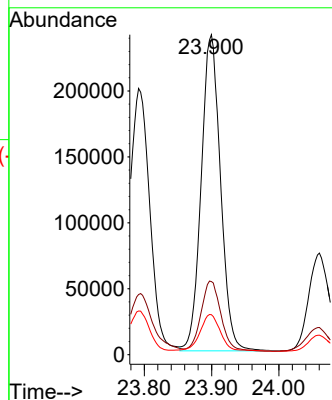
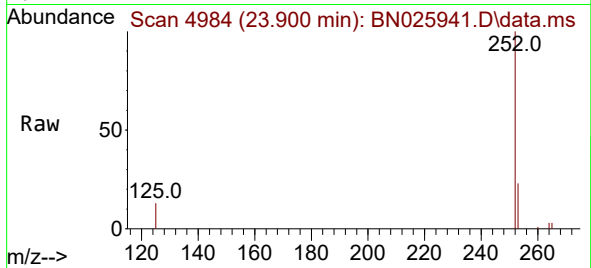




#26
Benzo(a)pyrene
Concen: 7.606 ng/ul
RT: 23.900 min Scan# 4987
Delta R.T. -0.009 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

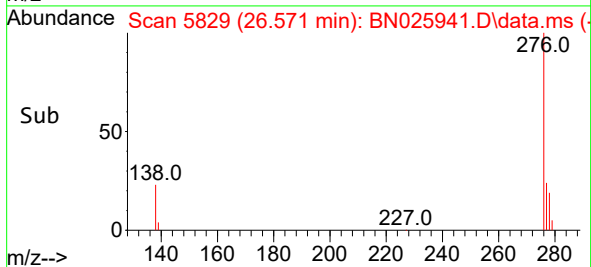
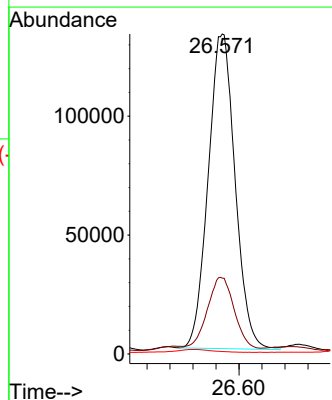
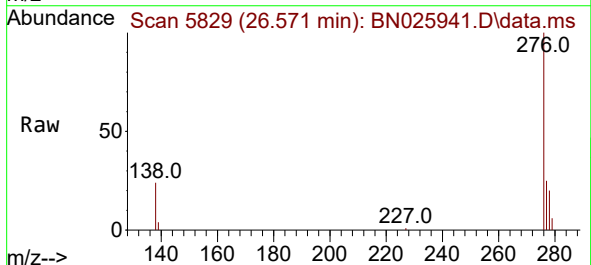
Instrument :
BNA_N
ClientSampleId :
DCFL5

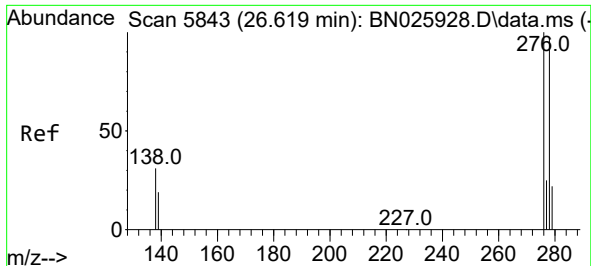
Tgt Ion:252 Resp: 479016
Ion Ratio Lower Upper
252 100
253 22.9 26.0 39.0#
125 12.5 17.3 25.9#



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.252 ng/ul
RT: 26.571 min Scan# 5829
Delta R.T. -0.023 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

Tgt Ion:276 Resp: 430079
Ion Ratio Lower Upper
276 100
138 25.1 24.5 36.7
227 0.0 0.0 0.0

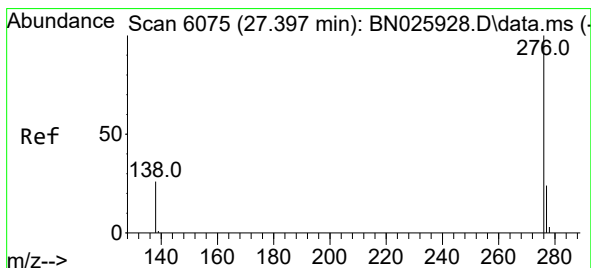
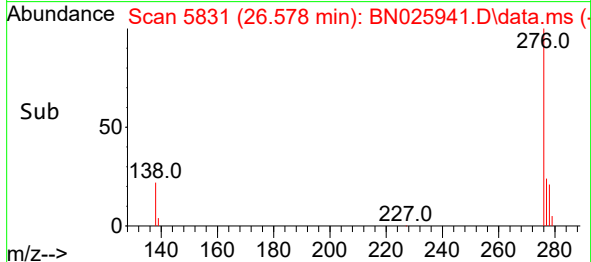
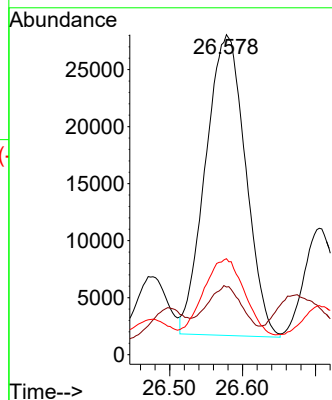
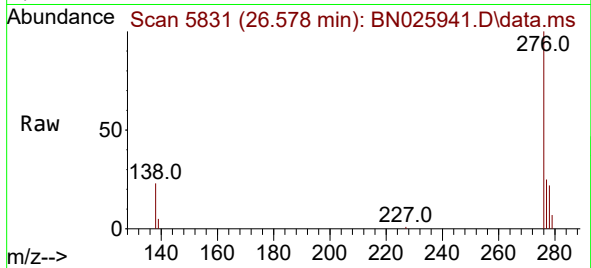




#28
Dibenzo(a,h)anthracene
Concen: 1.929 ng/ul
RT: 26.578 min Scan# 5831
Delta R.T. -0.044 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

Instrument :
BNA_N
ClientSampleId :
DCFL5

Tgt Ion:278 Resp: 100431
Ion Ratio Lower Upper
278 100
139 21.1 19.0 28.4
279 30.0 26.7 40.1



#29
Benzo(g,h,i)perylene
Concen: 6.791 ng/ul
RT: 27.363 min Scan# 6065
Delta R.T. -0.023 min
Lab File: BN025941.D
Acq: 22 Jun 2023 17:22

Tgt Ion:276 Resp: 415567
Ion Ratio Lower Upper
276 100
138 24.7 23.4 35.0
277 24.1 20.0 30.0

