

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032223\
 Data File : BN024486.D
 Acq On : 22 Mar 2023 19:02
 Operator : CG/JU
 Sample : 01949-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB937

Quant Time: Mar 23 03:10:57 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 14:57:36 2023
 Response via : Initial Calibration

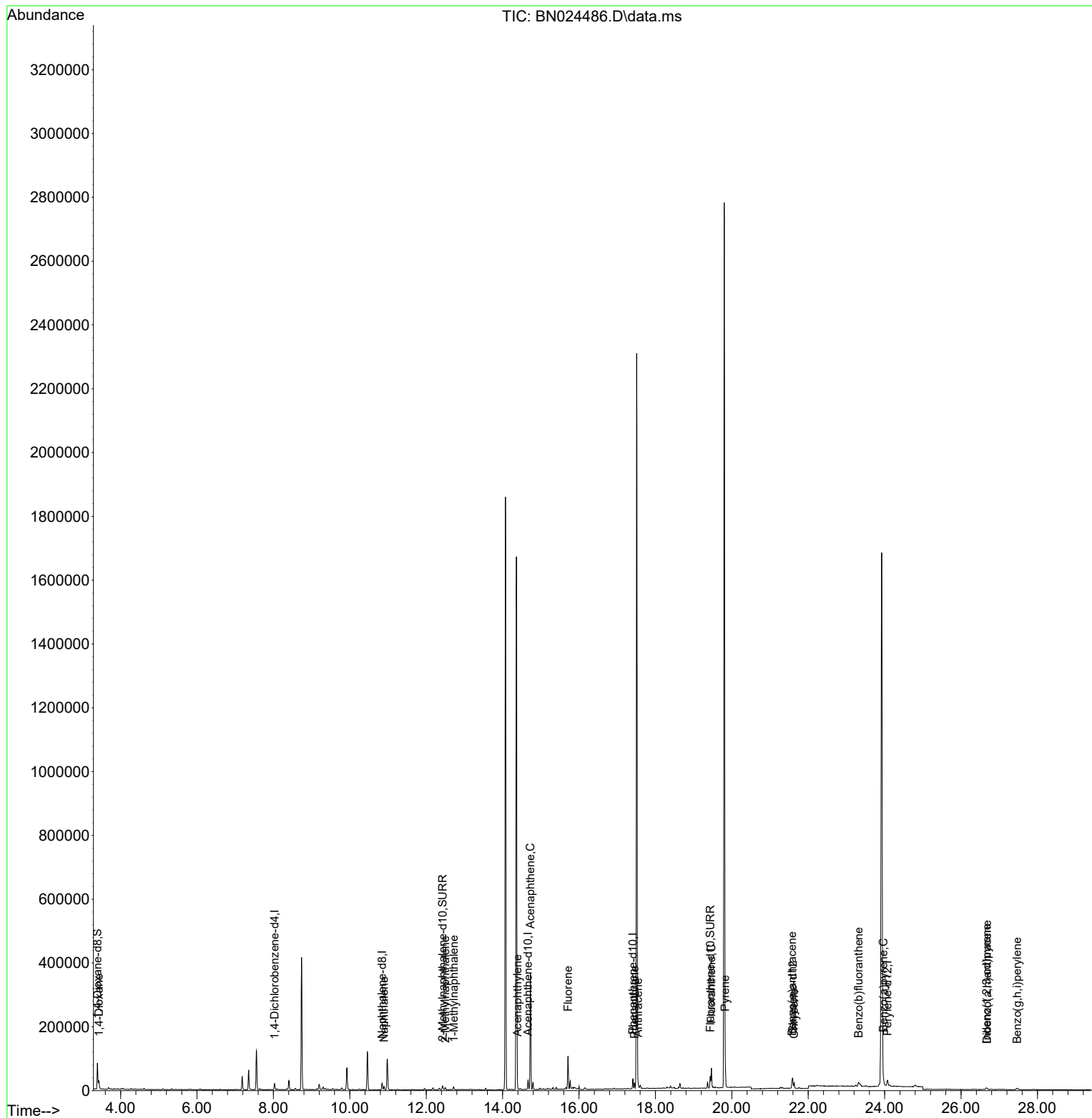
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.030	152	9312	0.400	ng/ul	0.00
4) Naphthalene-d8	10.845	136	27171	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.666	164	16222	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.409	188	33354	0.400	ng/ul #	0.00
17) Chrysene-d12	21.592	240	26367	0.400	ng/ul #	0.00
23) Perylene-d12	24.073	264	28321	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	51583	5.034	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.429	152	14367	0.445	ng/ul	0.00
18) Fluoranthene-d10	19.436	212	36075	0.514	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.431	88	15451	1.386	ng/ul#	84
5) Naphthalene	10.894	128	13872	0.205	ng/ul	96
7) 2-Methylnaphthalene	12.500	142	4877	0.119	ng/ul	98
8) 1-Methylnaphthalene	12.720	142	6167	0.143	ng/ul	99
10) Acenaphthylene	14.388	152	5665	0.084	ng/ul#	78
11) Acenaphthene	14.726	153	206346	3.957	ng/ul	97
12) Fluorene	15.711	166	62401	1.072	ng/ul	98
15) Phenanthrene	17.451	178	18892	0.198	ng/ul#	89
16) Anthracene	17.544	178	14522	0.173	ng/ul#	82
19) Fluoranthene	19.464	202	50021	0.477	ng/ul	94
20) Pyrene	19.827	202	54024	0.507	ng/ul#	92
21) Benzo(a)anthracene	21.574	228	18627	0.216	ng/ul#	88
22) Chrysene	21.630	228	18115	0.199	ng/ul#	85
24) Benzo(b)fluoranthene	23.316	252	32270	0.298	ng/ul#	48
26) Benzo(a)pyrene	23.965	252	16074	0.173	ng/ul#	47
27) Indeno(1,2,3-cd)pyrene	26.667	276	9547	0.091	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.680	278	2295	0.029	ng/ul#	1
29) Benzo(g,h,i)perylene	27.468	276	10048	0.110	ng/ul#	78

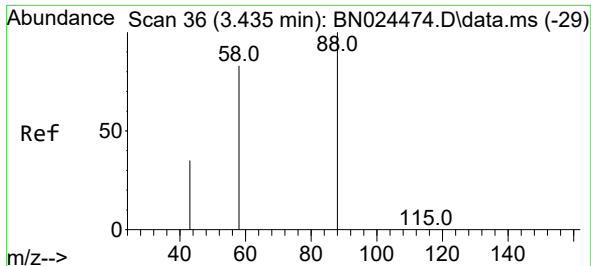
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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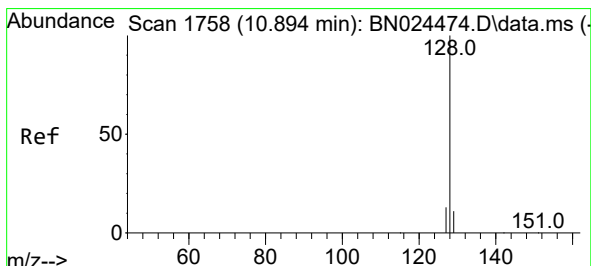
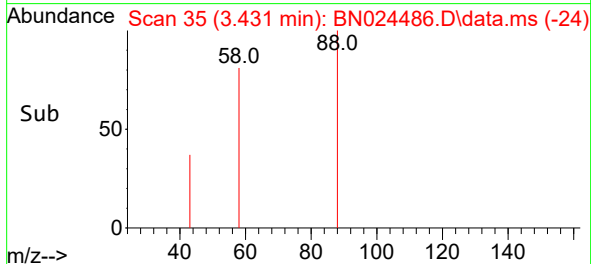
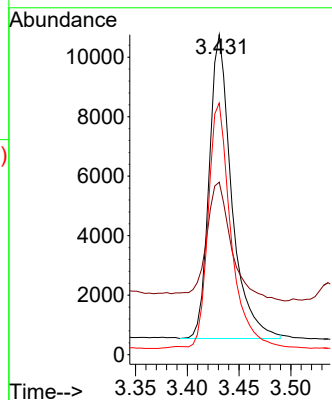
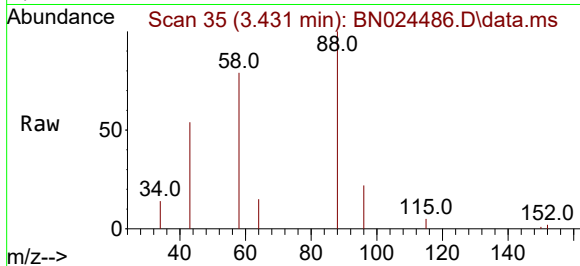




#2
 1,4-Dioxane
 Concen: 1.386 ng/ul
 RT: 3.431 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BN024486.D
 Acq: 22 Mar 2023 19:02

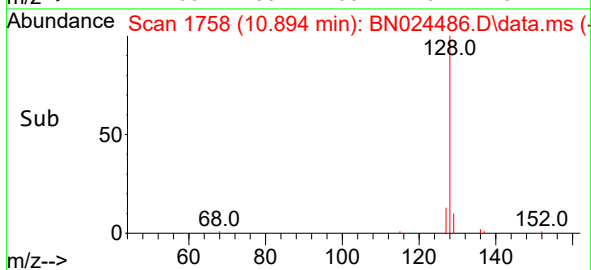
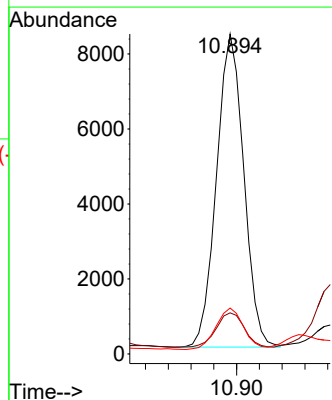
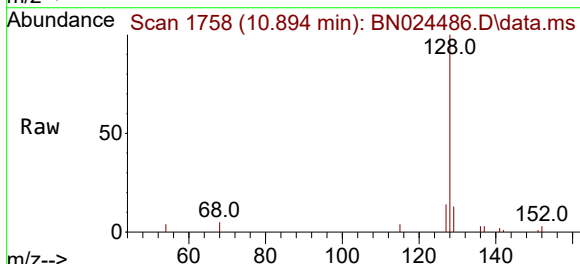
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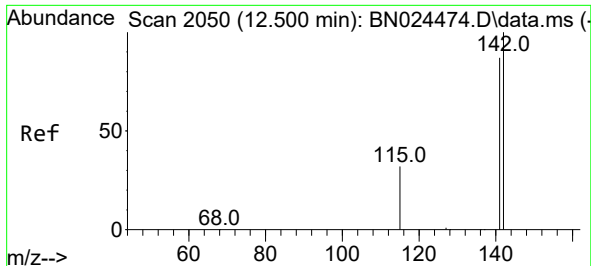
Tgt Ion: 88 Resp: 15451
 Ion Ratio Lower Upper
 88 100
 43 53.9 32.1 48.1#
 58 78.6 55.1 82.7



#5
 Naphthalene
 Concen: 0.205 ng/ul
 RT: 10.894 min Scan# 1758
 Delta R.T. -0.000 min
 Lab File: BN024486.D
 Acq: 22 Mar 2023 19:02

Tgt Ion:128 Resp: 13872
 Ion Ratio Lower Upper
 128 100
 129 12.9 9.0 13.6
 127 14.4 10.5 15.7

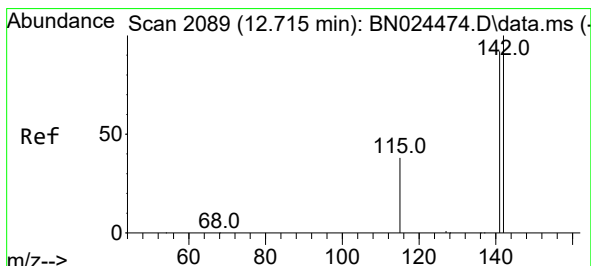
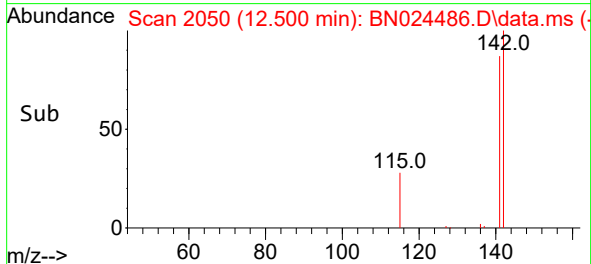
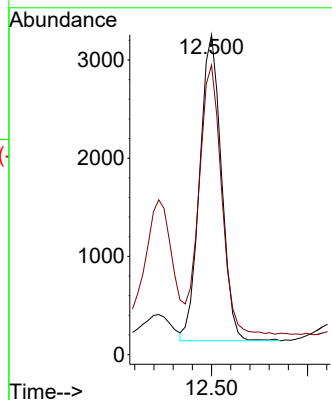
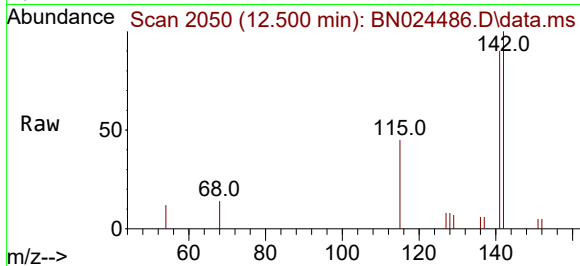




#7
2-Methylnaphthalene
Concen: 0.119 ng/ul
RT: 12.500 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

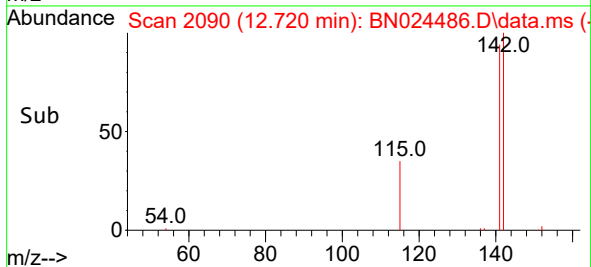
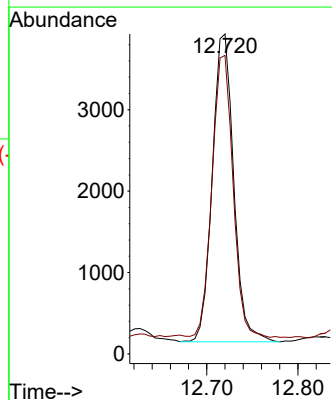
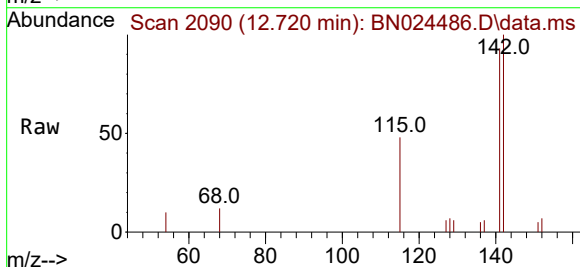
Instrument :
BNA_N
ClientSampleId :
CB937

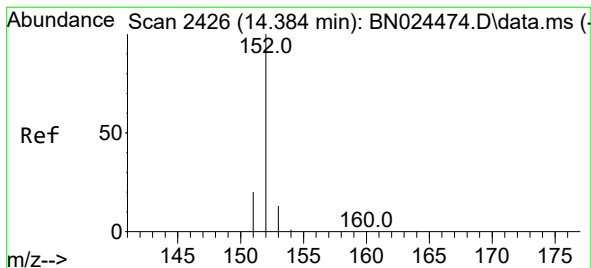
Tgt Ion:142 Resp: 4877
Ion Ratio Lower Upper
142 100
141 90.2 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.143 ng/ul
RT: 12.720 min Scan# 2090
Delta R.T. 0.005 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

Tgt Ion:142 Resp: 6167
Ion Ratio Lower Upper
142 100
141 90.0 73.0 109.6





#10

Acenaphthylene

Concen: 0.084 ng/ul

RT: 14.388 min Scan# 2426

Delta R.T. 0.005 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

Instrument :

BNA_N

ClientSampleId :

CB937

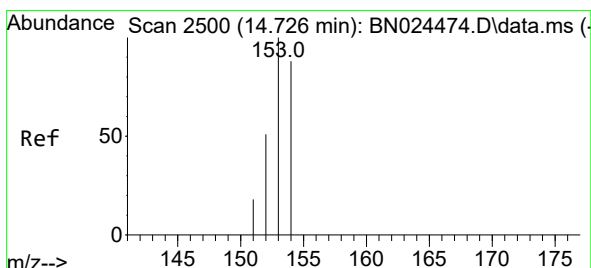
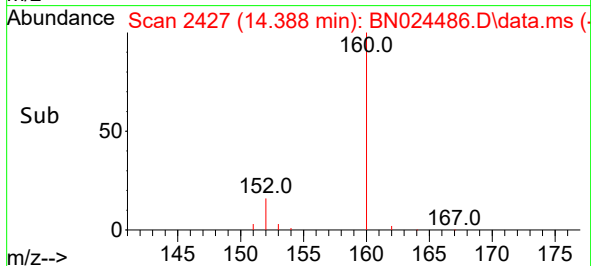
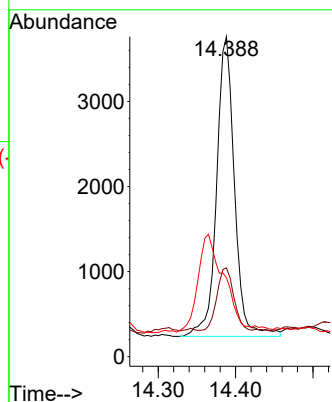
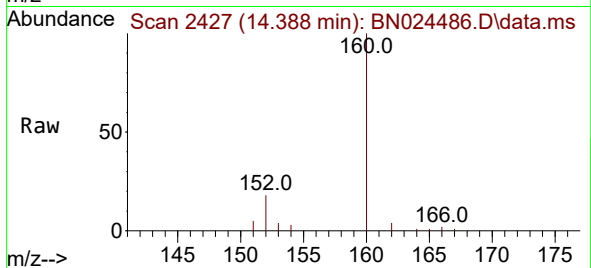
Tgt Ion:152 Resp: 5665

Ion Ratio Lower Upper

152 100

151 27.8 15.9 23.9#

153 24.7 10.6 16.0#



#11

Acenaphthene

Concen: 3.957 ng/ul

RT: 14.726 min Scan# 2500

Delta R.T. -0.000 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

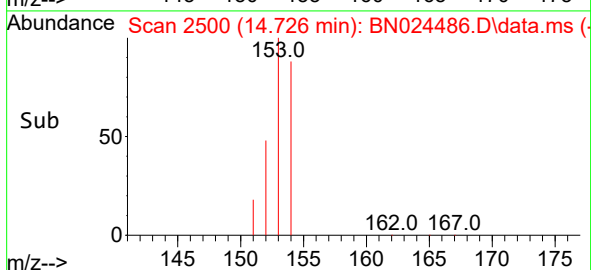
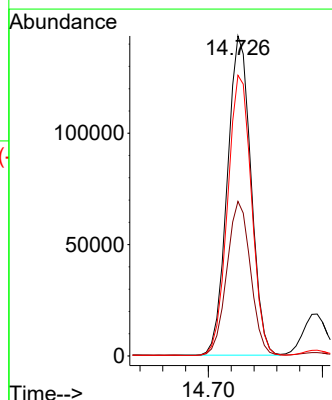
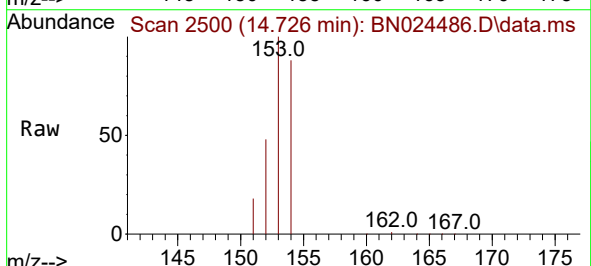
Tgt Ion:153 Resp: 206346

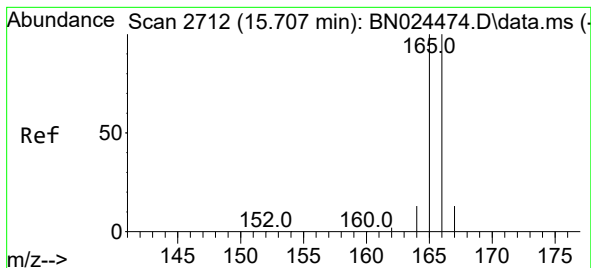
Ion Ratio Lower Upper

153 100

152 48.3 42.6 64.0

154 87.7 70.6 105.8





#12

Fluorene

Concen: 1.072 ng/ul

RT: 15.711 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

Instrument :

BNA_N

ClientSampleId :

CB937

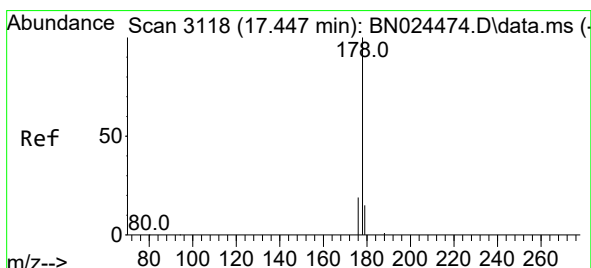
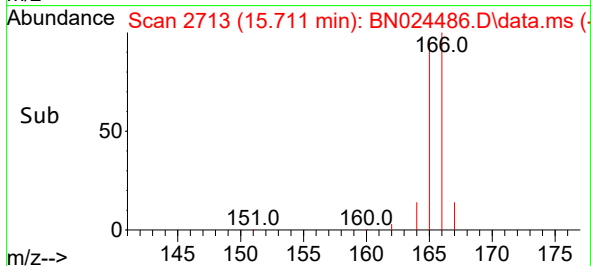
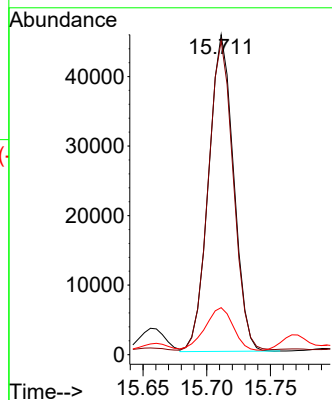
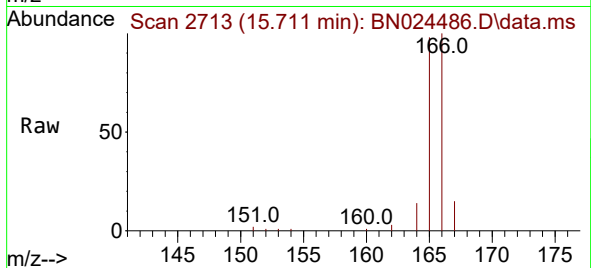
Tgt Ion:166 Resp: 62401

Ion Ratio Lower Upper

166 100

165 98.1 77.4 116.0

167 14.7 10.9 16.3



#15

Phenanthrene

Concen: 0.198 ng/ul

RT: 17.451 min Scan# 3119

Delta R.T. 0.004 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

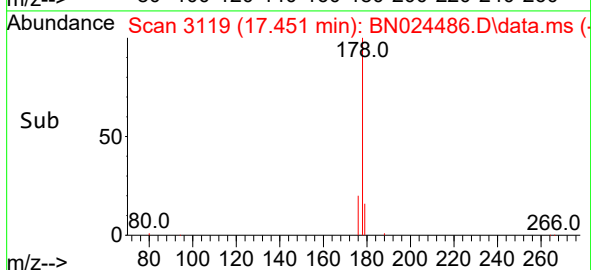
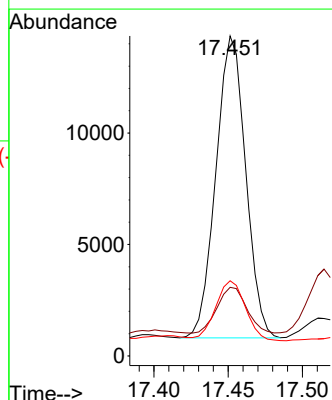
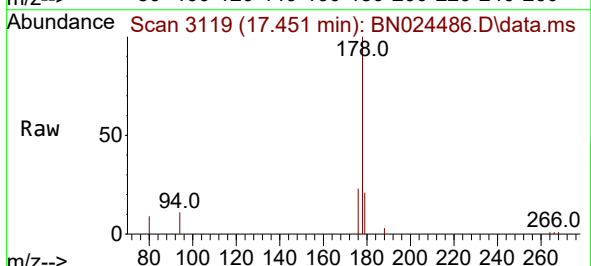
Tgt Ion:178 Resp: 18892

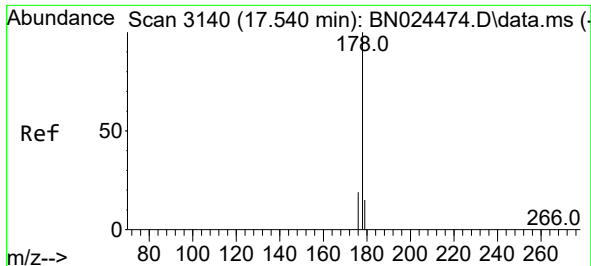
Ion Ratio Lower Upper

178 100

179 21.4 12.2 18.2#

176 23.5 15.7 23.5

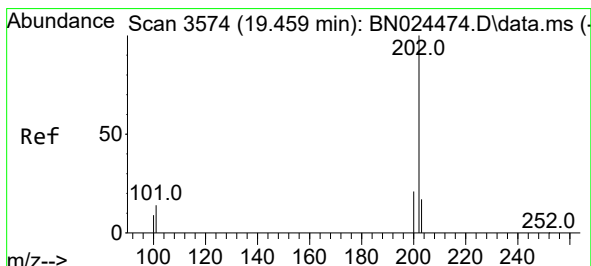
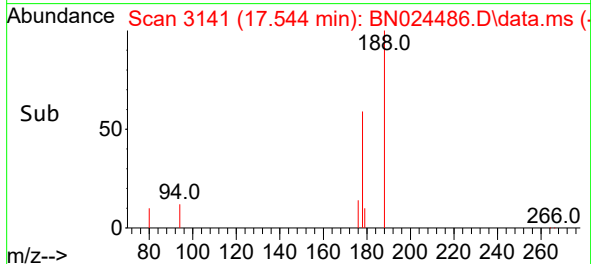
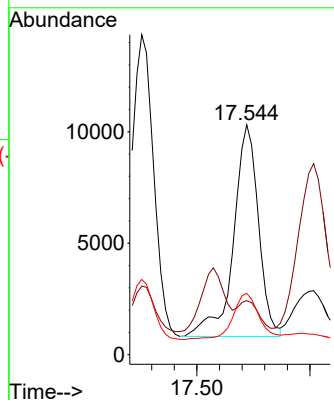
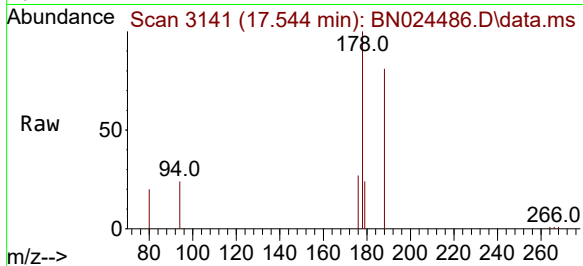




#16
 Anthracene
 Concen: 0.173 ng/ul
 RT: 17.544 min Scan# 3140
 Delta R.T. 0.004 min
 Lab File: BN024486.D
 Acq: 22 Mar 2023 19:02

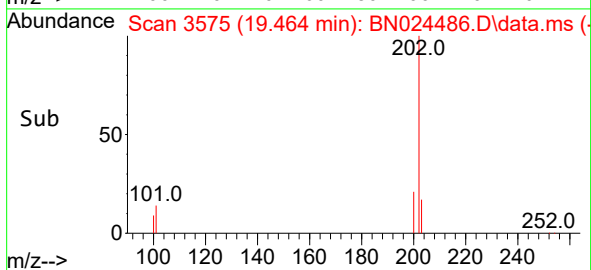
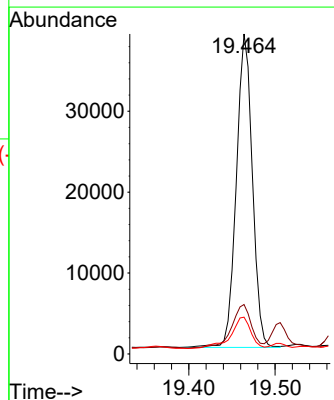
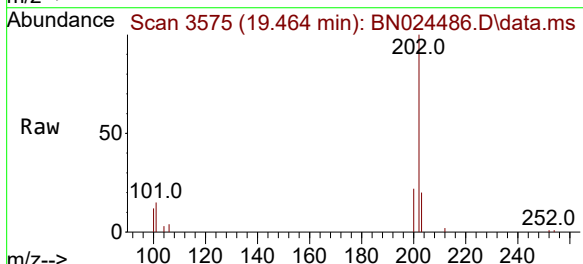
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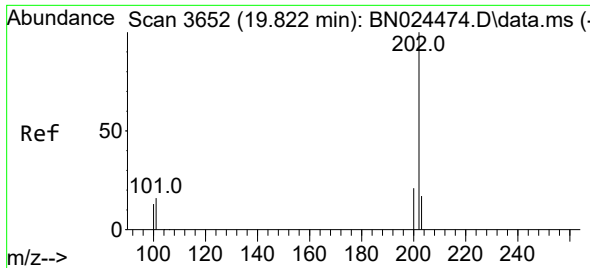
Tgt Ion:178 Resp: 14522
 Ion Ratio Lower Upper
 178 100
 179 23.5 12.3 18.5#
 176 26.7 15.3 22.9#



#19
 Fluoranthene
 Concen: 0.477 ng/ul
 RT: 19.464 min Scan# 3575
 Delta R.T. 0.005 min
 Lab File: BN024486.D
 Acq: 22 Mar 2023 19:02

Tgt Ion:202 Resp: 50021
 Ion Ratio Lower Upper
 202 100
 101 15.4 10.4 15.6
 100 11.5 7.7 11.5





#20

Pyrene

Concen: 0.507 ng/ul

RT: 19.827 min Scan# 3

Delta R.T. 0.005 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

Instrument :

BNA_N

ClientSampleId :

CB937

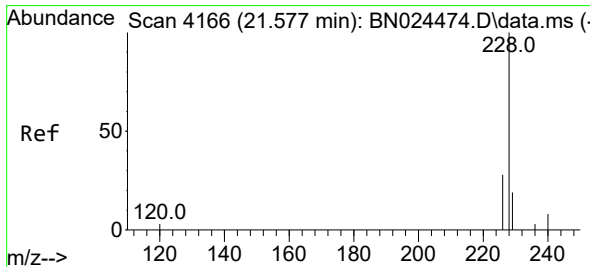
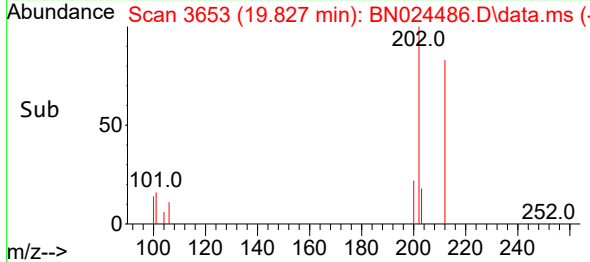
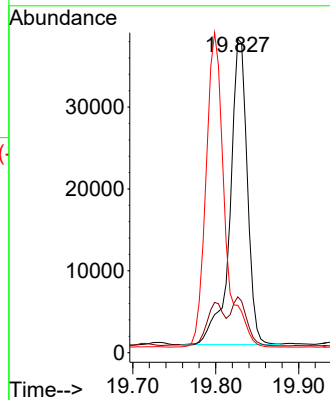
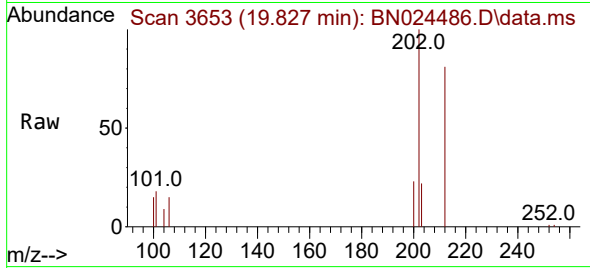
Tgt Ion:202 Resp: 54024

Ion Ratio Lower Upper

202 100

101 17.8 12.1 18.1

100 15.1 9.4 14.0#



#21

Benzo(a)anthracene

Concen: 0.216 ng/ul

RT: 21.574 min Scan# 4165

Delta R.T. -0.003 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

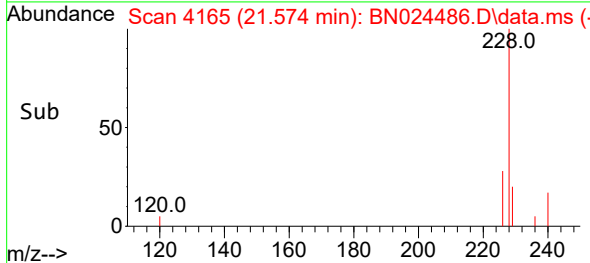
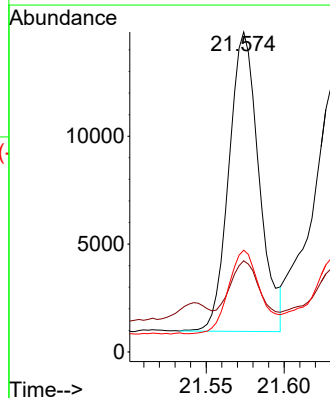
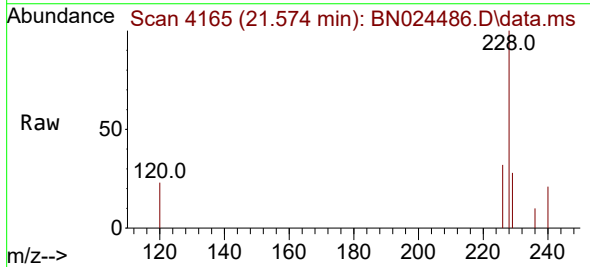
Tgt Ion:228 Resp: 18627

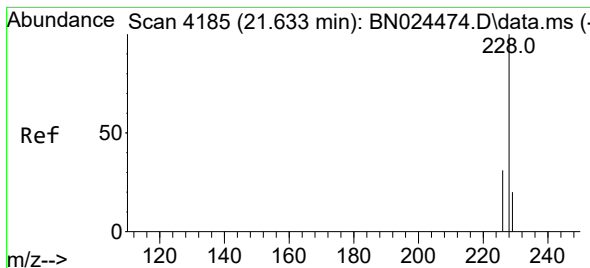
Ion Ratio Lower Upper

228 100

229 28.5 15.8 23.6#

226 31.8 22.2 33.4





#22

Chrysene

Concen: 0.199 ng/ul

RT: 21.630 min Scan# 4185

Delta R.T. -0.003 min

Lab File: BN024486.D

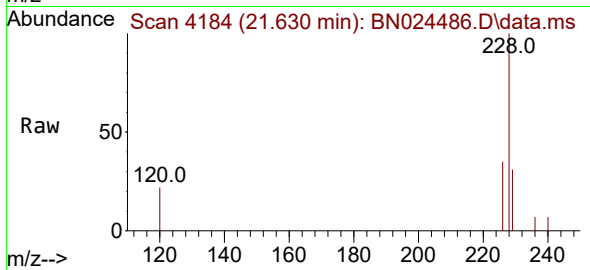
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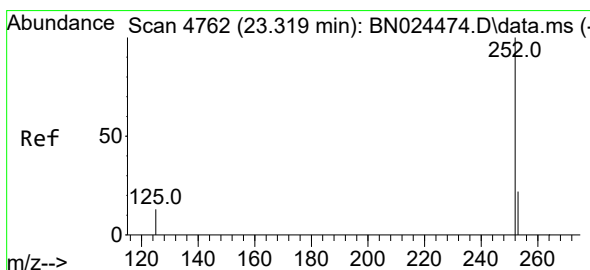
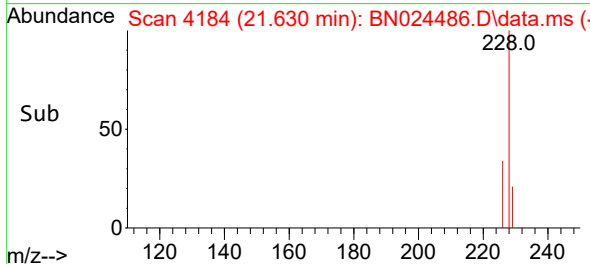
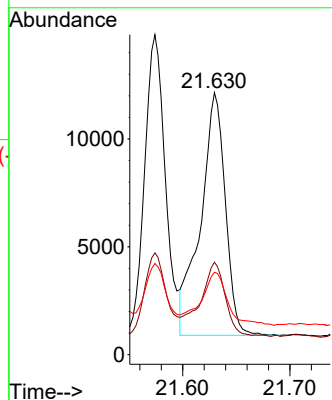
Tgt Ion:228 Resp: 18115

Ion Ratio Lower Upper

228 100

226 35.3 24.8 37.2

229 31.4 15.8 23.6#



#24

Benzo(b)fluoranthene

Concen: 0.298 ng/ul

RT: 23.316 min Scan# 4761

Delta R.T. -0.003 min

Lab File: BN024486.D

Acq: 22 Mar 2023 19:02

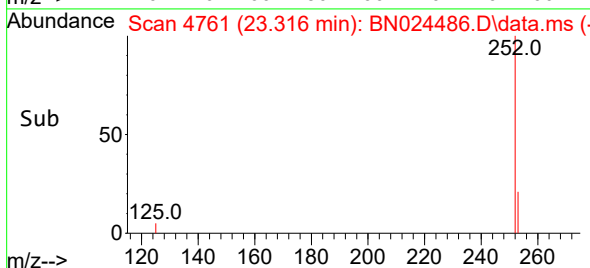
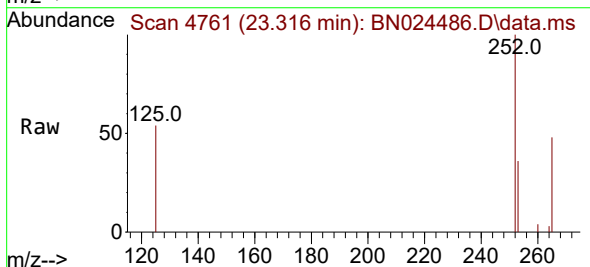
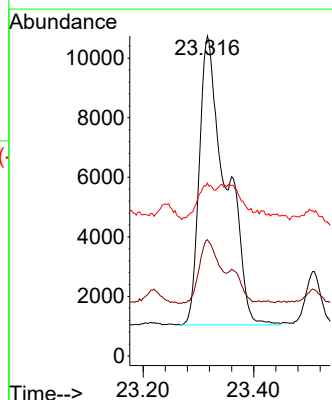
Tgt Ion:252 Resp: 32270

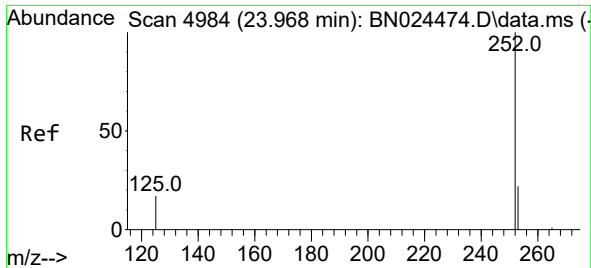
Ion Ratio Lower Upper

252 100

253 36.4 0.0 46.2

125 54.0 0.0 34.0#

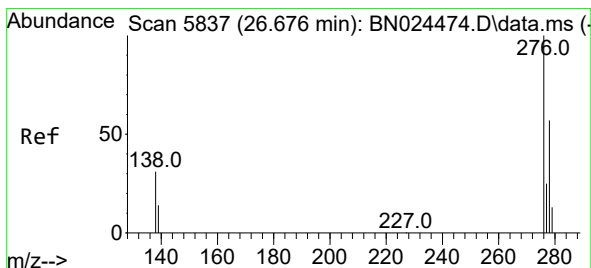
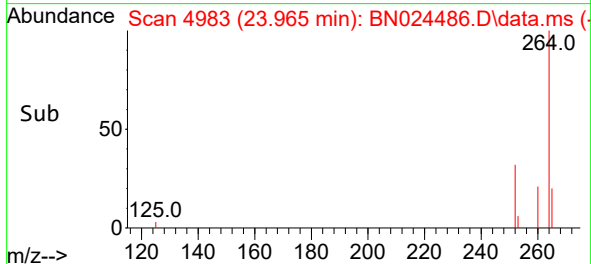
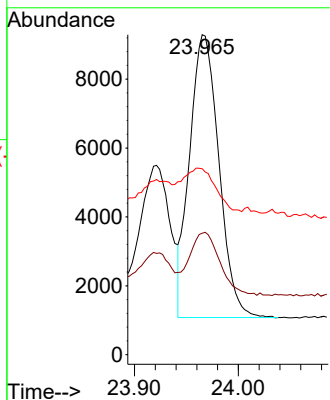
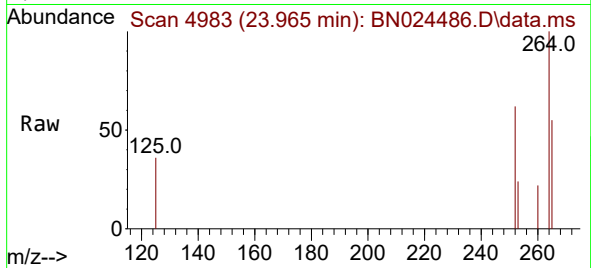




#26
Benzo(a)pyrene
Concen: 0.173 ng/ul
RT: 23.965 min Scan# 4983
Delta R.T. -0.003 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

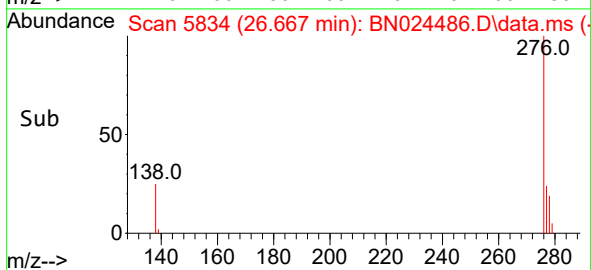
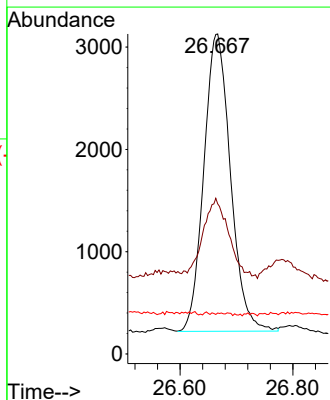
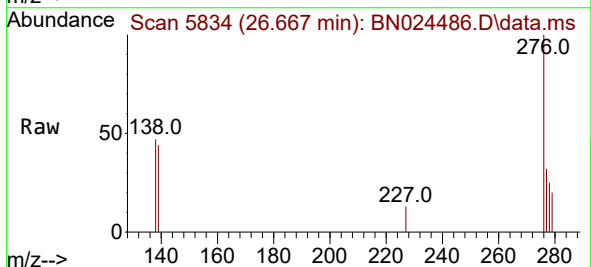
Instrument :
BNA_N
ClientSampleId :
CB937

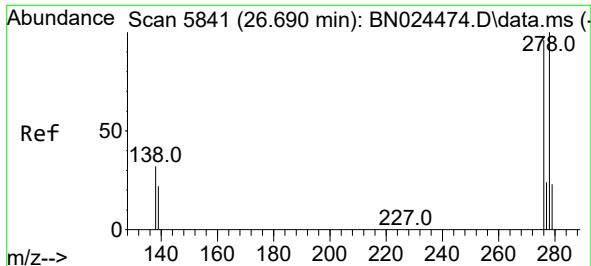
Tgt Ion:252 Resp: 16074
Ion Ratio Lower Upper
252 100
253 37.9 19.2 28.8#
125 58.1 15.8 23.6#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng/ul
RT: 26.667 min Scan# 5834
Delta R.T. -0.010 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

Tgt Ion:276 Resp: 9547
Ion Ratio Lower Upper
276 100
138 26.8 0.0 0.0#
227 0.1 0.0 0.0#

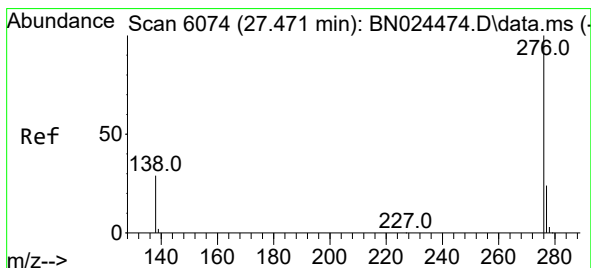
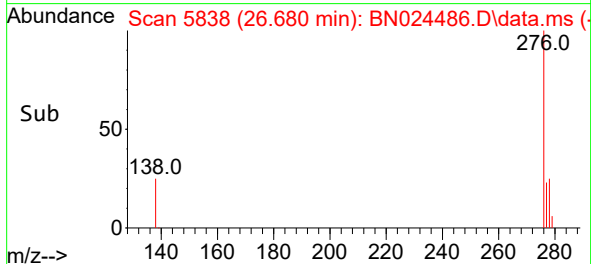
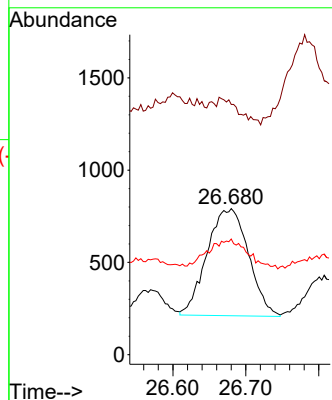
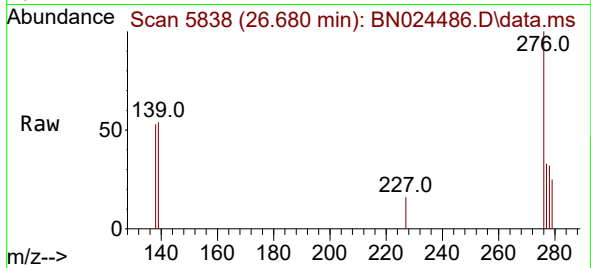




#28
Dibenzo(a,h)anthracene
Concen: 0.029 ng/ul
RT: 26.680 min Scan# 5838
Delta R.T. -0.010 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

Instrument :
BNA_N
ClientSampleId :
CB937

Tgt Ion:278 Resp: 2295
Ion Ratio Lower Upper
278 100
139 171.2 21.0 31.6#
279 79.2 20.4 30.6#



#29
Benzo(g,h,i)perylene
Concen: 0.110 ng/ul
RT: 27.468 min Scan# 6073
Delta R.T. -0.003 min
Lab File: BN024486.D
Acq: 22 Mar 2023 19:02

Tgt Ion:276 Resp: 10048
Ion Ratio Lower Upper
276 100
138 47.6 25.2 37.8#
277 30.6 19.4 29.2#

