

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032023\
 Data File : BN024407.D
 Acq On : 20 Mar 2023 12:20
 Operator : CG/JU
 Sample : PB151452BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS452

Quant Time: Mar 21 02:14:40 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 : Tue Mar 21 02:12:19 2023
 Response via : Initial Calibration

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

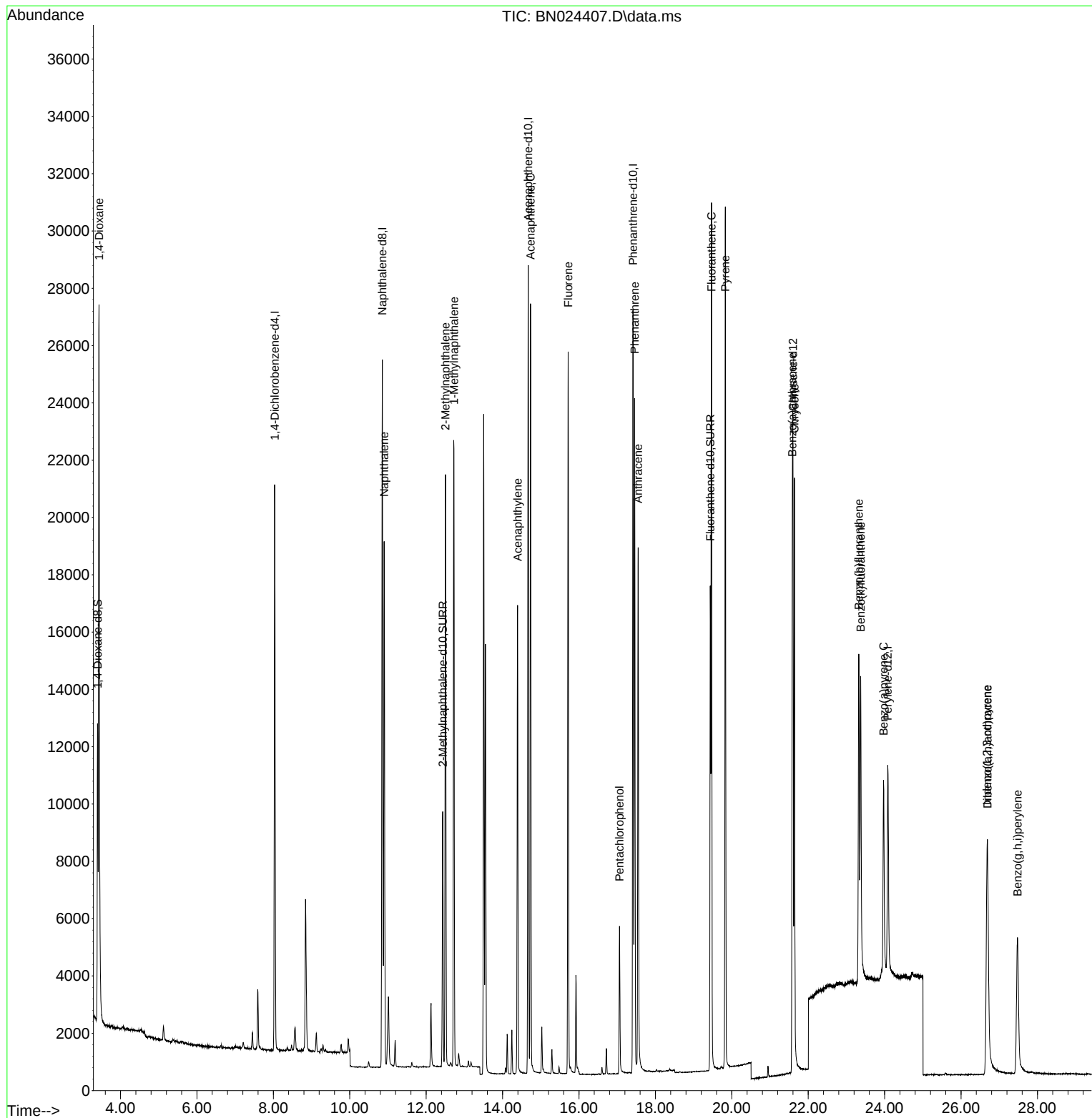
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	10081	0.400	ng/u1	0.00
4) Naphthalene-d8	10.850	136	31105	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.670	164	14765	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.413	188	28720	0.400	ng/u1	# 0.00
17) Chrysene-d12	21.600	240	16960	0.400	ng/u1	0.00
23) Perylene-d12	24.082	264	11249	0.400	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.401	96	6582	0.593	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.434	152	11050	0.299	ng/u1	0.00
18) Fluoranthene-d10	19.436	212	16655	0.369	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.435	88	17259	1.430	ng/u1	91
5) Naphthalene	10.900	128	24557	0.316	ng/u1	100
7) 2-Methylnaphthalene	12.506	142	14235	0.302	ng/u1	100
8) 1-Methylnaphthalene	12.726	142	14808	0.299	ng/u1	99
10) Acenaphthylene	14.393	152	18968	0.308	ng/u1	100
11) Acenaphthene	14.731	153	14964	0.315	ng/u1	98
12) Fluorene	15.716	166	15913	0.300	ng/u1	97
14) Pentachlorophenol	17.059	266	3426	0.429	ng/u1#	73
15) Phenanthrene	17.455	178	25398	0.309	ng/u1	99
16) Anthracene	17.548	178	20934	0.290	ng/u1	99
19) Fluoranthene	19.469	202	25140	0.372	ng/u1	97
20) Pyrene	19.831	202	24755	0.361	ng/u1	95
21) Benzo(a)anthracene	21.583	228	16319	0.295	ng/u1	100
22) Chrysene	21.635	228	18926	0.324	ng/u1	100
24) Benzo(b)fluoranthene	23.322	252	15652	0.364	ng/u1	92
25) Benzo(k)fluoranthene	23.372	252	15765	0.354	ng/u1#	90
26) Benzo(a)pyrene	23.971	252	12150	0.329	ng/u1#	84
27) Indeno(1,2,3-cd)pyrene	26.680	276	12877	0.309	ng/u1#	100
28) Dibenzo(a,h)anthracene	26.696	278	9402	0.297	ng/u1	96
29) Benzo(g,h,i)perylene	27.481	276	11861	0.328	ng/u1	96

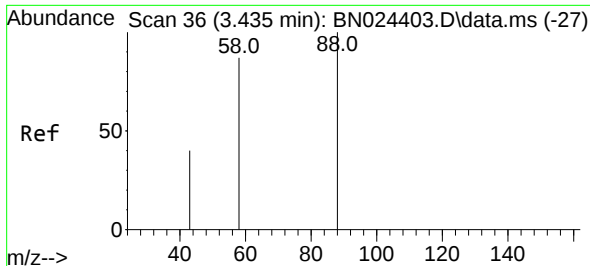
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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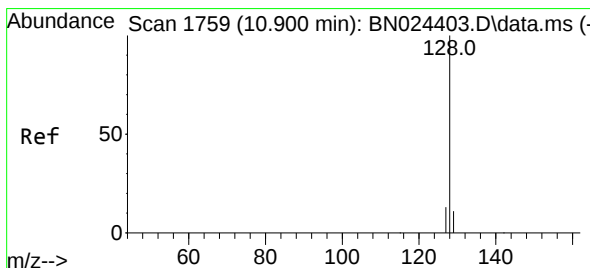
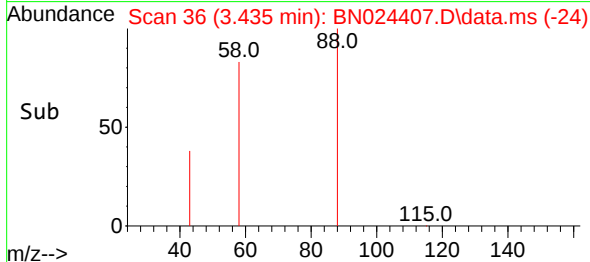
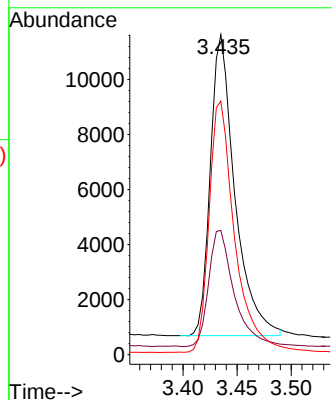
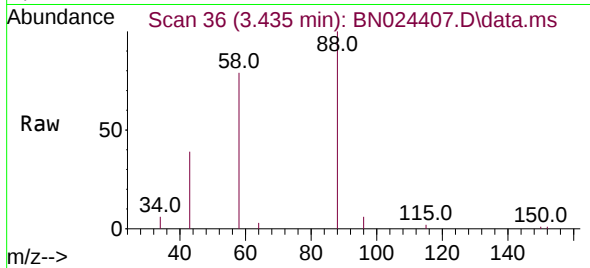




#2
 1,4-Dioxane
 Concen: 1.430 ng/ul
 RT: 3.435 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BN024407.D
 Acq: 20 Mar 2023 12:20

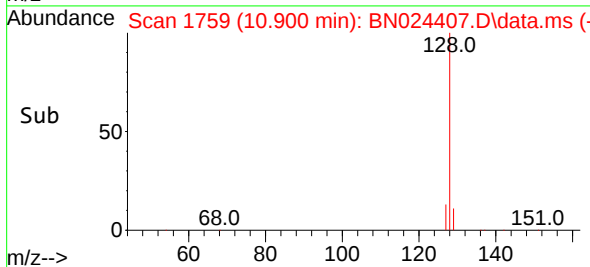
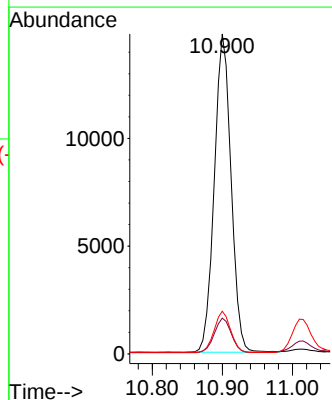
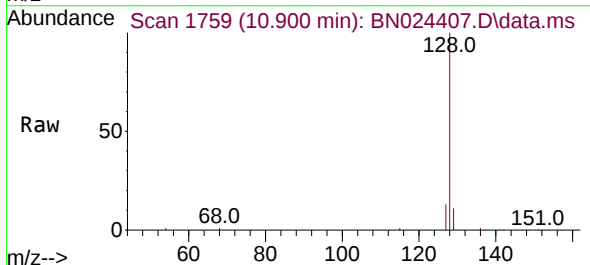
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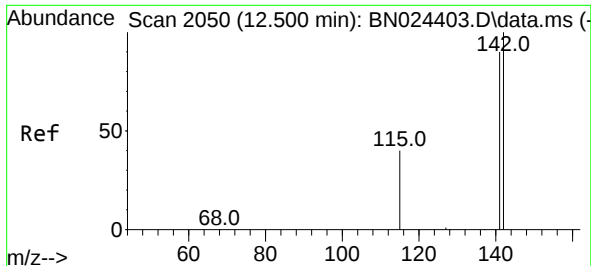
Tgt Ion: 88 Resp: 17259
 Ion Ratio Lower Upper
 88 100
 43 38.8 32.1 48.1
 58 79.2 55.1 82.7



#5
 Naphthalene
 Concen: 0.316 ng/ul
 RT: 10.900 min Scan# 1759
 Delta R.T. 0.000 min
 Lab File: BN024407.D
 Acq: 20 Mar 2023 12:20

Tgt Ion: 128 Resp: 24557
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.0 13.6
 127 13.3 10.5 15.7

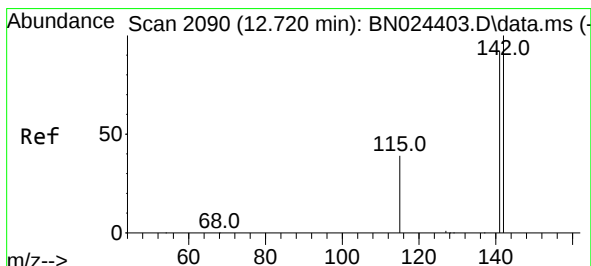
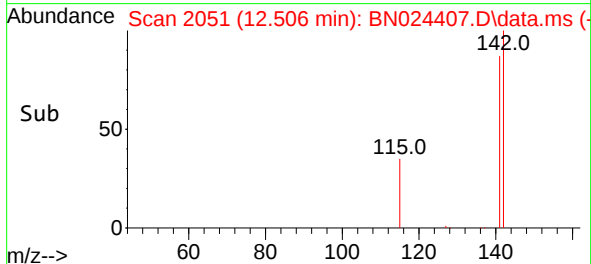
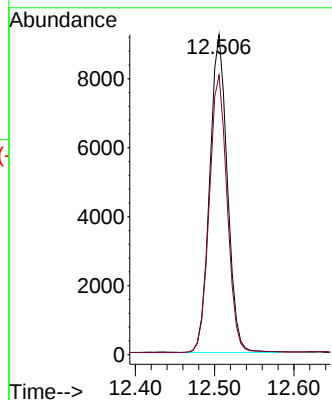
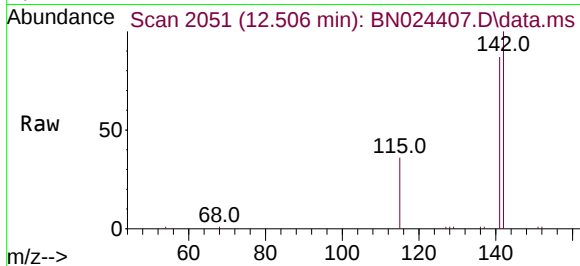




#7
2-Methylnaphthalene
Concen: 0.302 ng/ul
RT: 12.506 min Scan# 2051
Delta R.T. 0.006 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

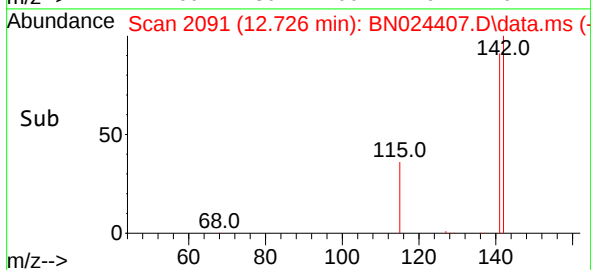
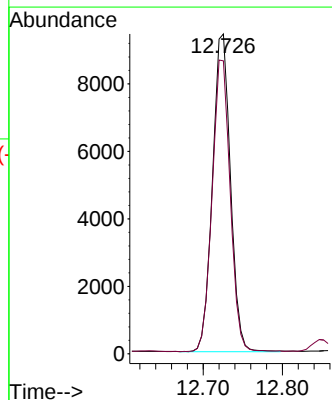
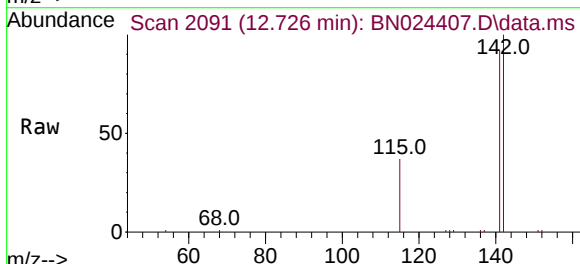
Instrument :
BNA_N
ClientSampleId :
SLCS452

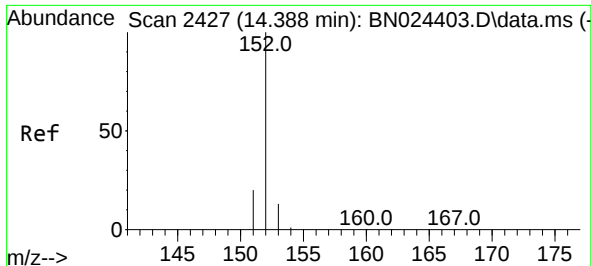
Tgt Ion:142 Resp: 14235
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.299 ng/ul
RT: 12.726 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:142 Resp: 14808
Ion Ratio Lower Upper
142 100
141 92.4 73.0 109.6

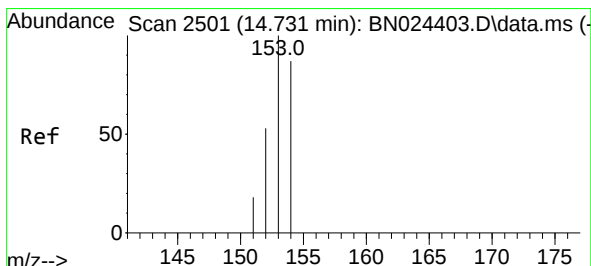
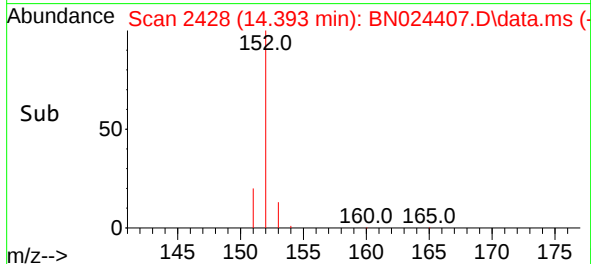
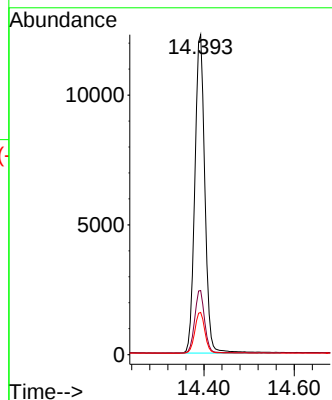
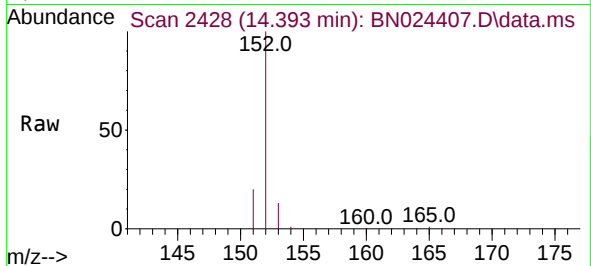




#10
Acenaphthylene
Concen: 0.308 ng/ul
RT: 14.393 min Scan# 2427
Delta R.T. 0.005 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

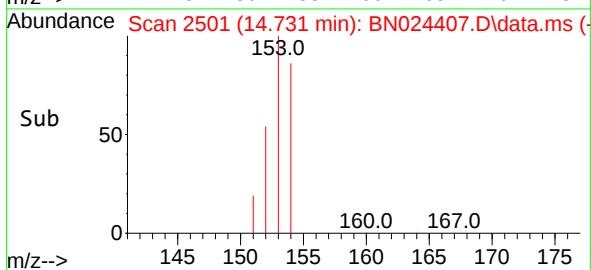
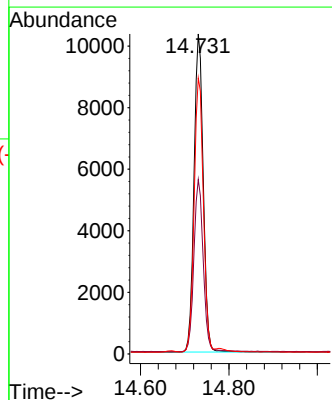
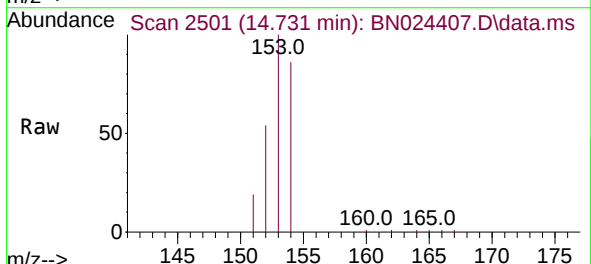
Instrument :
BNA_N
ClientSampleId :
SLCS452

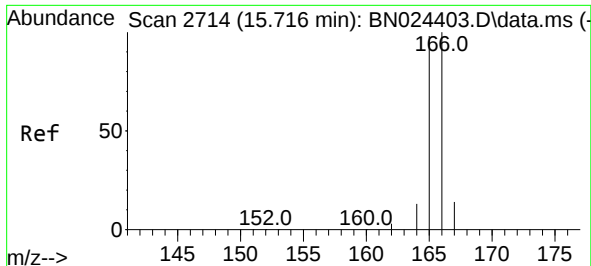
Tgt Ion:152 Resp: 18968
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.2 10.6 16.0



#11
Acenaphthene
Concen: 0.315 ng/ul
RT: 14.731 min Scan# 2501
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:153 Resp: 14964
Ion Ratio Lower Upper
153 100
152 54.5 42.6 64.0
154 86.2 70.6 105.8

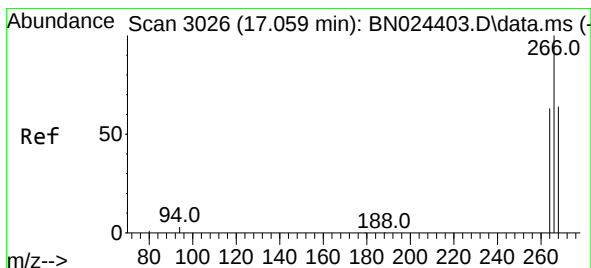
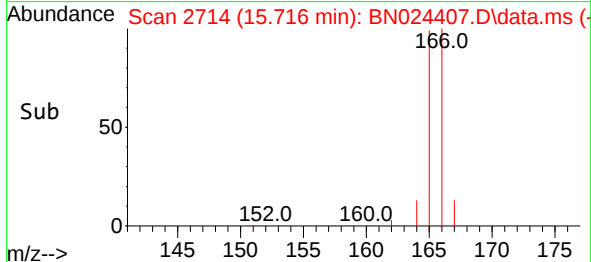
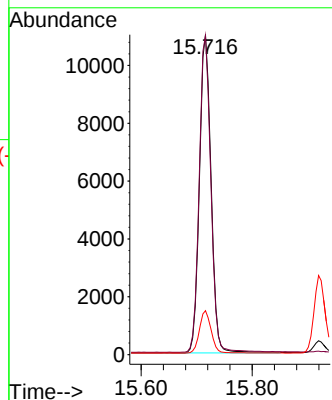
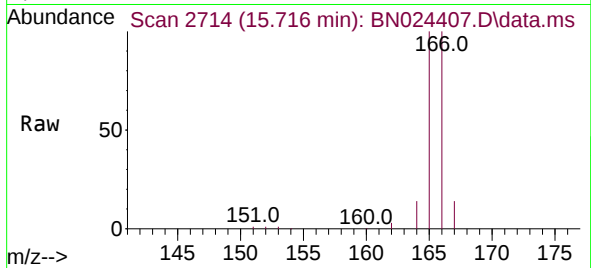




#12
Fluorene
Concen: 0.300 ng/ul
RT: 15.716 min Scan# 2714
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

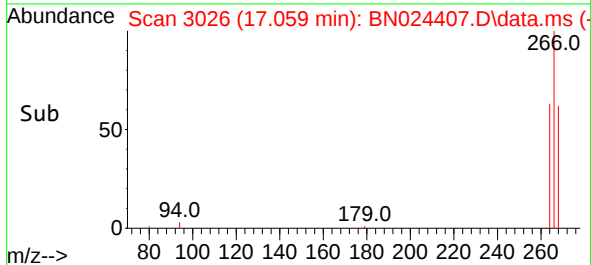
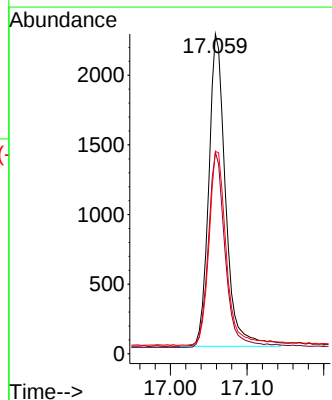
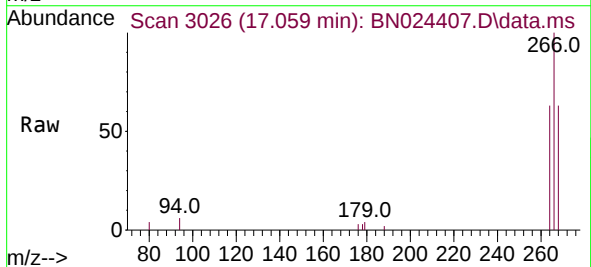
Instrument :
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ClientSampleId :
SLCS452

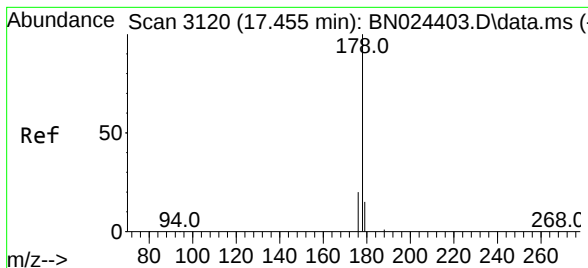
Tgt Ion:166 Resp: 15913
Ion Ratio Lower Upper
166 100
165 99.7 77.4 116.0
167 13.7 10.9 16.3



#14
Pentachlorophenol
Concen: 0.429 ng/ul
RT: 17.059 min Scan# 3026
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:266 Resp: 3426
Ion Ratio Lower Upper
266 100
264 63.0 0.0 0.0#
268 63.9 0.1 0.1#





#15

Phenanthrene

Concen: 0.309 ng/u1

RT: 17.455 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

Instrument :

BNA_N

ClientSampleId :

SLCS452

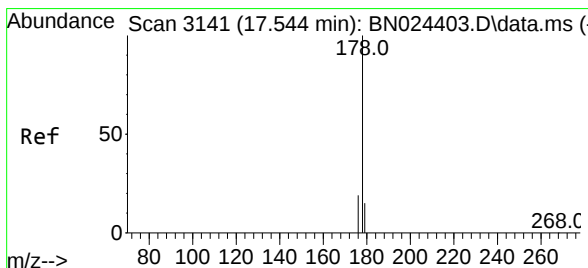
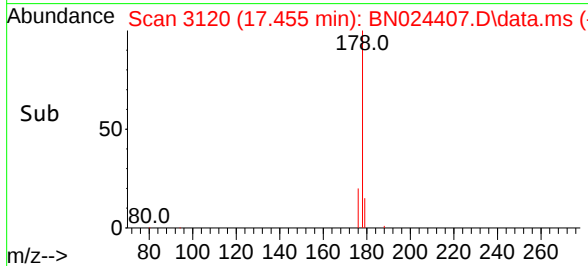
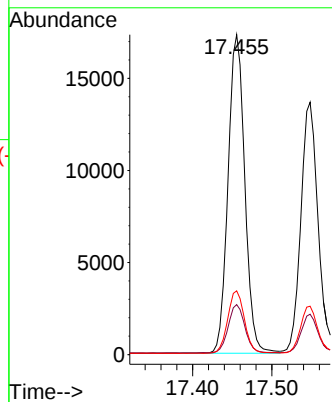
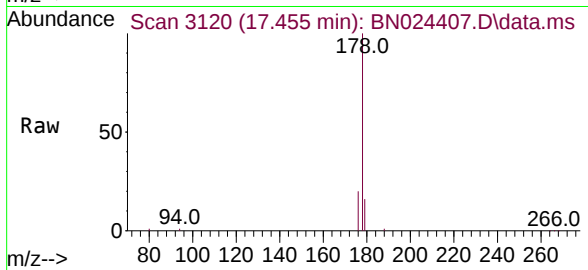
Tgt Ion:178 Resp: 25398

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

176 19.9 15.7 23.5



#16

Anthracene

Concen: 0.290 ng/u1

RT: 17.548 min Scan# 3142

Delta R.T. 0.004 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

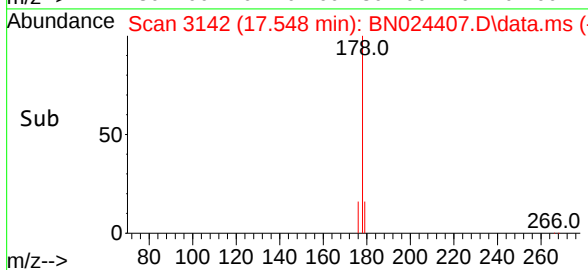
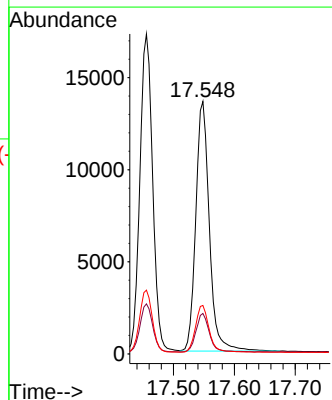
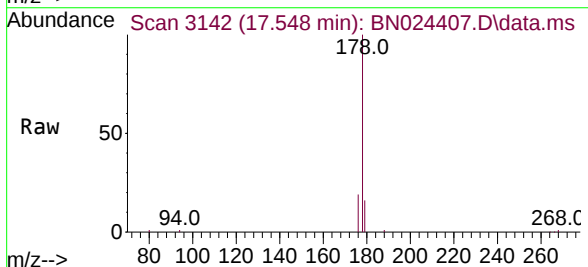
Tgt Ion:178 Resp: 20934

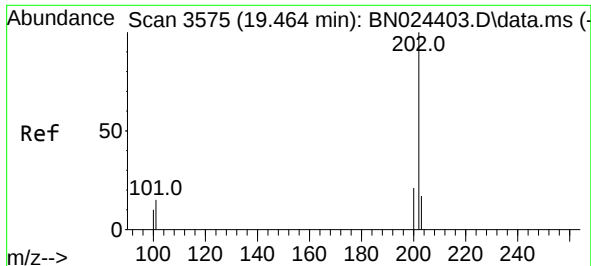
Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

176 19.2 15.3 22.9





#19

Fluoranthene

Concen: 0.372 ng/ul

RT: 19.469 min Scan# 3575

Delta R.T. 0.005 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

Instrument :

BNA_N

ClientSampleId :

SLCS452

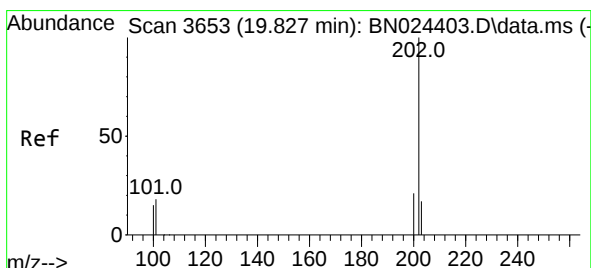
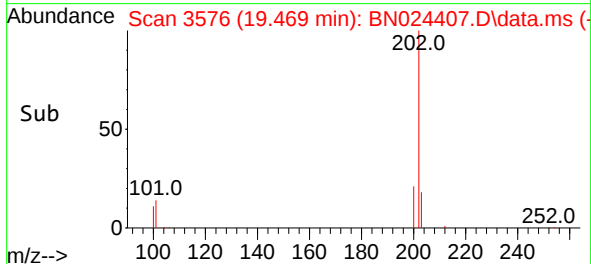
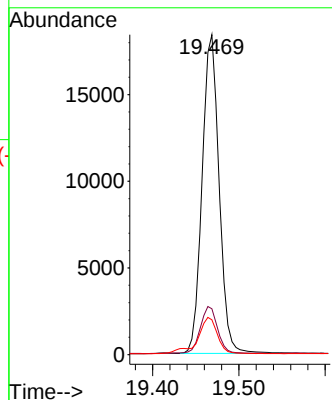
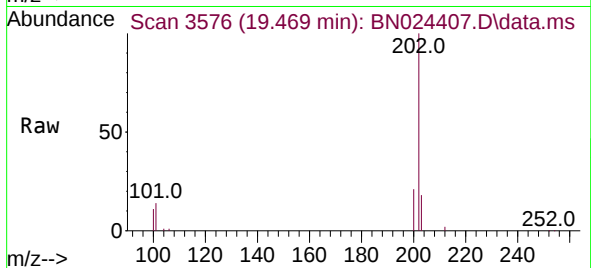
Tgt Ion:202 Resp: 25140

Ion Ratio Lower Upper

202 100

101 14.3 10.4 15.6

100 10.9 7.7 11.5



#20

Pyrene

Concen: 0.361 ng/ul

RT: 19.831 min Scan# 3654

Delta R.T. 0.005 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

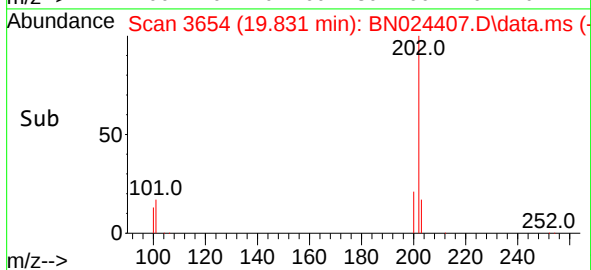
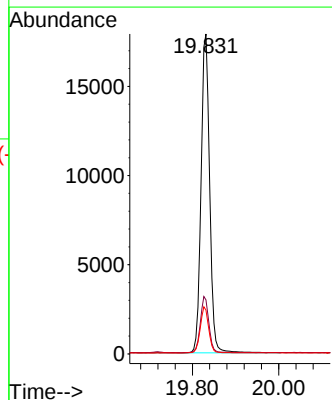
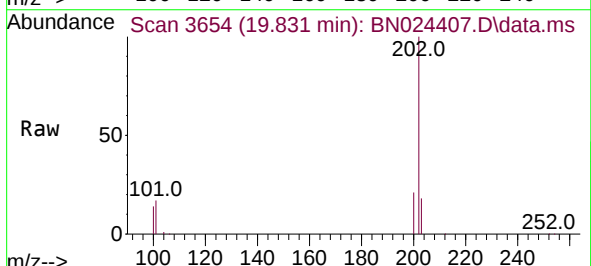
Tgt Ion:202 Resp: 24755

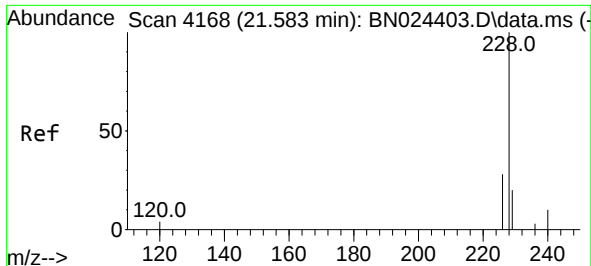
Ion Ratio Lower Upper

202 100

101 16.9 12.1 18.1

100 13.7 9.4 14.0

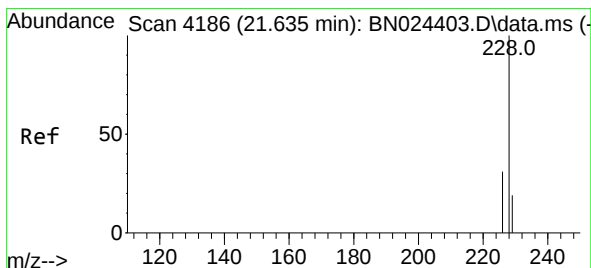
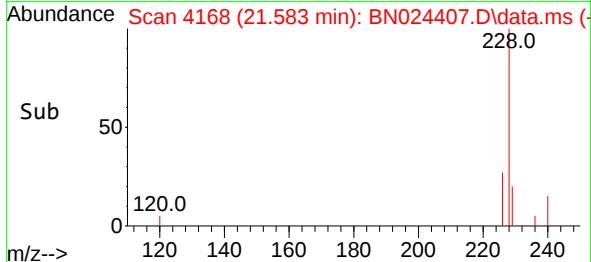
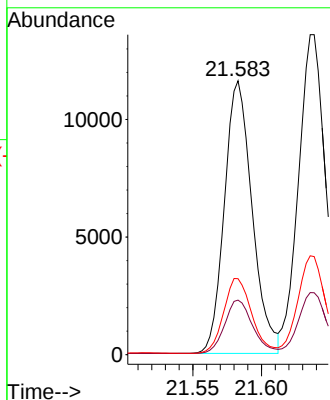
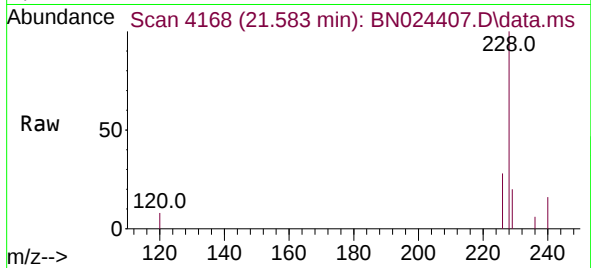




#21
Benzo(a)anthracene
Concen: 0.295 ng/ul
RT: 21.583 min Scan# 4168
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

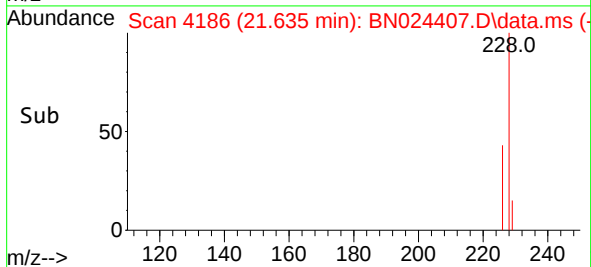
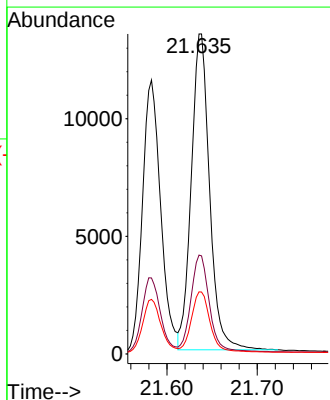
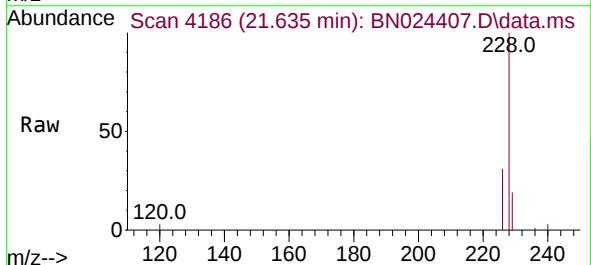
Instrument :
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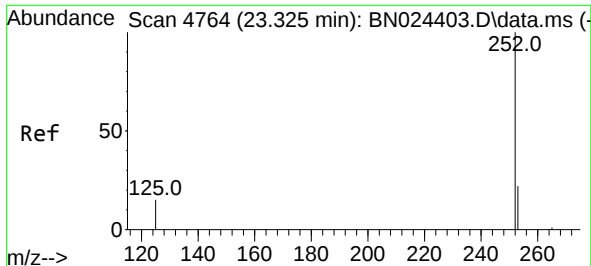
Tgt Ion:228 Resp: 16319
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.6
226 27.8 22.2 33.4



#22
Chrysene
Concen: 0.324 ng/ul
RT: 21.635 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:228 Resp: 18926
Ion Ratio Lower Upper
228 100
226 30.9 24.8 37.2
229 19.4 15.8 23.6

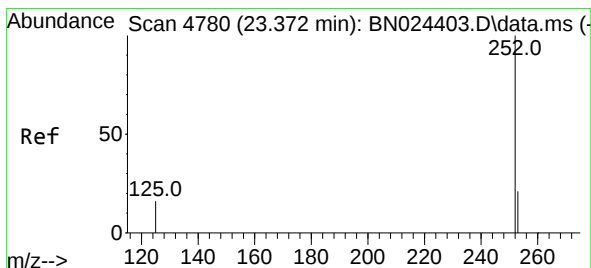
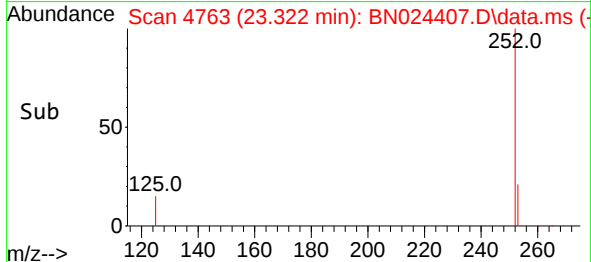
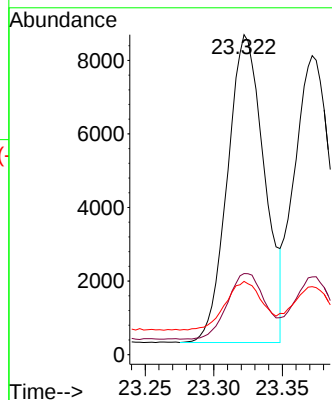
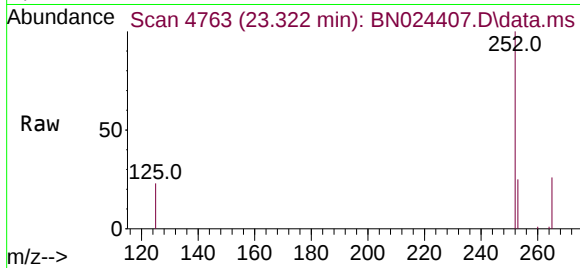




#24
Benzo(b)fluoranthene
Concen: 0.364 ng/ul
RT: 23.322 min Scan# 4763
Delta R.T. -0.003 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

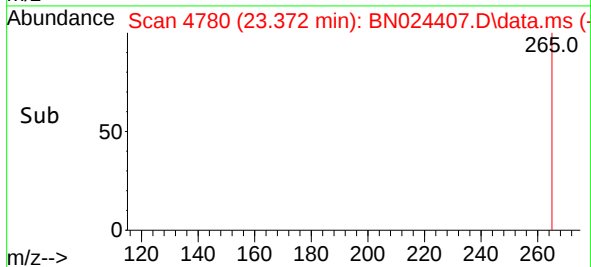
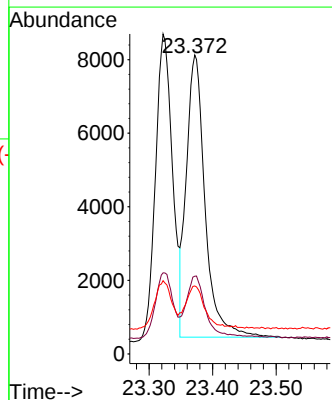
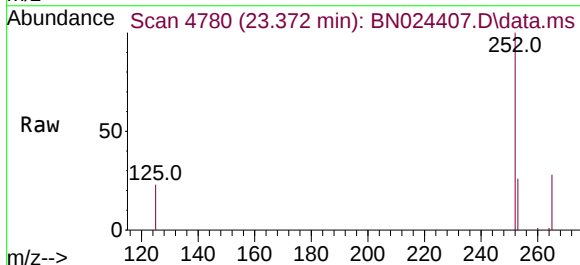
Instrument :
BNA_N
ClientSampleId :
SLCS452

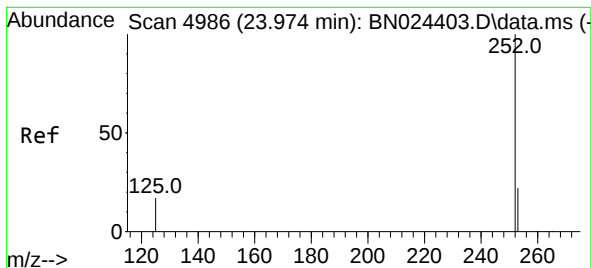
Tgt Ion:252 Resp: 15652
Ion Ratio Lower Upper
252 100
253 25.3 0.0 46.2
125 22.9 0.0 34.0



#25
Benzo(k)fluoranthene
Concen: 0.354 ng/ul
RT: 23.372 min Scan# 4780
Delta R.T. 0.000 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:252 Resp: 15765
Ion Ratio Lower Upper
252 100
253 26.0 18.5 27.7
125 22.7 13.2 19.8#





#26

Benzo(a)pyrene

Concen: 0.329 ng/ul

RT: 23.971 min Scan# 4986

Delta R.T. -0.003 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

Instrument :

BNA_N

ClientSampleId :

SLCS452

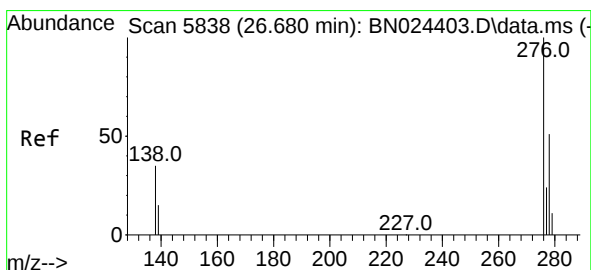
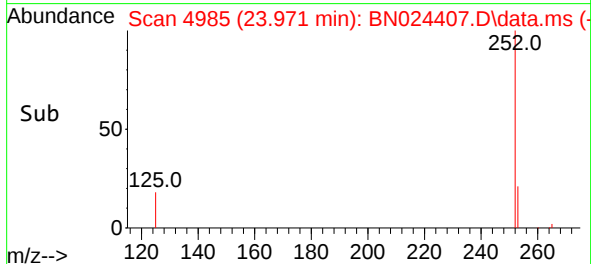
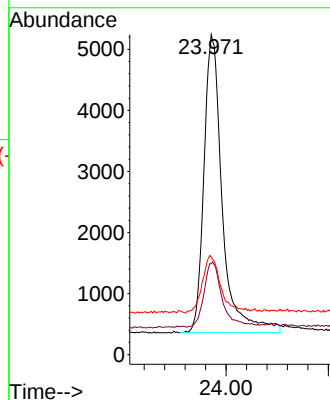
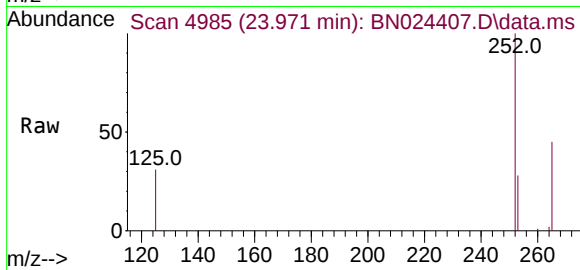
Tgt Ion:252 Resp: 12150

Ion Ratio Lower Upper

252 100

253 28.4 19.2 28.8

125 30.5 15.8 23.6#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.309 ng/ul

RT: 26.680 min Scan# 5838

Delta R.T. 0.000 min

Lab File: BN024407.D

Acq: 20 Mar 2023 12:20

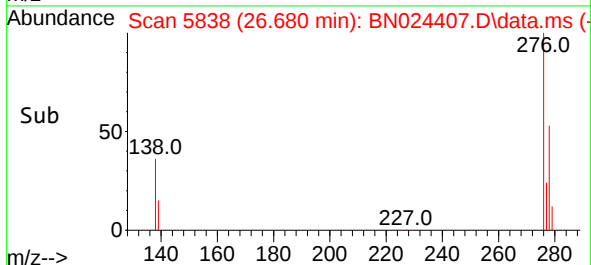
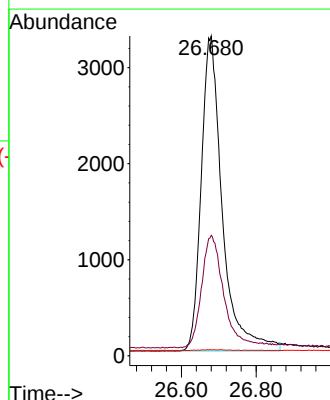
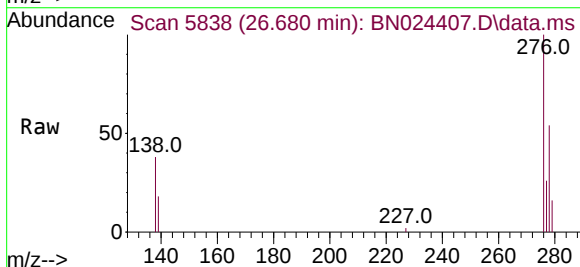
Tgt Ion:276 Resp: 12877

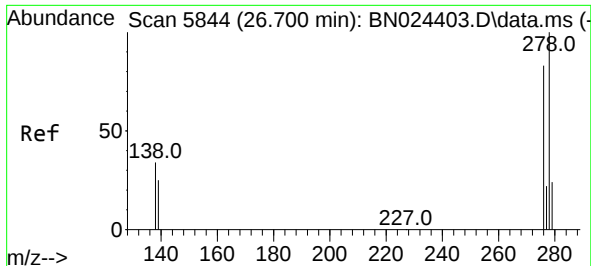
Ion Ratio Lower Upper

276 100

138 38.2 0.0 0.0#

227 0.0 0.0 0.0#

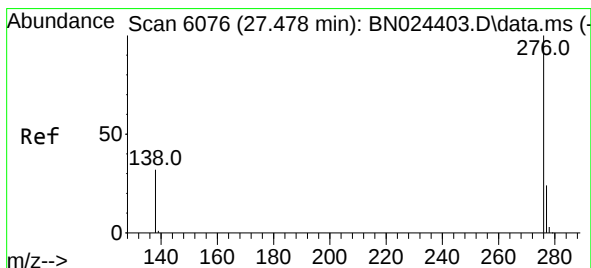
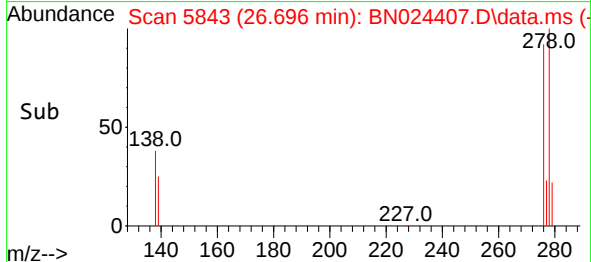
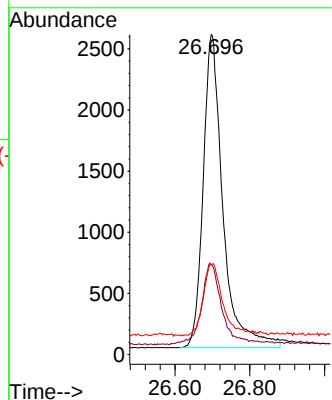
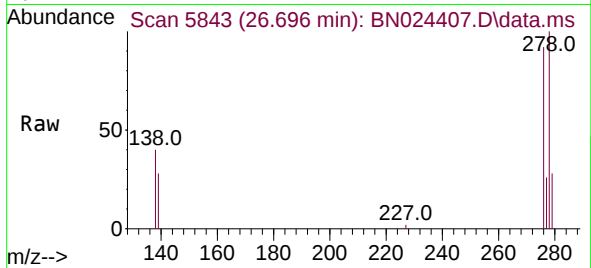




#28
Dibenzo(a,h)anthracene
Concen: 0.297 ng/ul
RT: 26.696 min Scan# 5844
Delta R.T. -0.003 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Instrument :
BNA_N
ClientSampleId :
SLCS452

Tgt Ion:278 Resp: 9402
Ion Ratio Lower Upper
278 100
139 28.1 21.0 31.6
279 28.0 20.4 30.6



#29
Benzo(g,h,i)perylene
Concen: 0.328 ng/ul
RT: 27.481 min Scan# 6077
Delta R.T. 0.003 min
Lab File: BN024407.D
Acq: 20 Mar 2023 12:20

Tgt Ion:276 Resp: 11861
Ion Ratio Lower Upper
276 100
138 34.2 25.2 37.8
277 25.3 19.4 29.2

