

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033023\
 Data File : BN024642.D
 Acq On : 30 Mar 2023 14:41
 Operator : CG/JU
 Sample : SSTD0.484
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4246

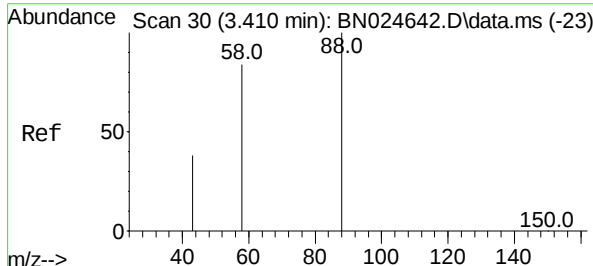
Quant Time: Mar 30 15:26:54 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 30 15:26:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	9867	0.400	ng/ul	0.00
4) Naphthalene-d8	10.817	136	29322	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.638	164	16344	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.384	188	34962	0.400	ng/ul	0.00
17) Chrysene-d12	21.571	240	29294	0.400	ng/ul	0.00
23) Perylene-d12	24.059	264	22450	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	4131	0.380	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	14139	0.406	ng/ul	0.00
18) Fluoranthene-d10	19.408	212	27994	0.359	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	4279	0.362	ng/ul	100
5) Naphthalene	10.867	128	28204	0.385	ng/ul	100
7) 2-Methylnaphthalene	12.473	142	17556	0.395	ng/ul	100
8) 1-Methylnaphthalene	12.693	142	18388	0.394	ng/ul	100
10) Acenaphthylene	14.360	152	22080	0.324	ng/ul	100
11) Acenaphthene	14.703	153	19522	0.372	ng/ul	100
12) Fluorene	15.684	166	22171	0.378	ng/ul	100
14) Pentachlorophenol	17.033	266	2656	0.274	ng/ul	100
15) Phenanthrene	17.426	178	37044	0.370	ng/ul	100
16) Anthracene	17.519	178	30419	0.346	ng/ul	100
19) Fluoranthene	19.441	202	39925	0.342	ng/ul	100
20) Pyrene	19.803	202	40270	0.340	ng/ul	100
21) Benzo(a)anthracene	21.554	228	33624	0.352	ng/ul	100
22) Chrysene	21.609	228	37525	0.372	ng/ul	100
24) Benzo(b)fluoranthene	23.293	252	36511	0.426	ng/ul	100
25) Benzo(k)fluoranthene	23.345	252	34362	0.386	ng/ul	100
26) Benzo(a)pyrene	23.942	252	27587	0.374	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.647	276	33355	0.401	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.673	278	26738	0.423	ng/ul	100
29) Benzo(g,h,i)perylene	27.451	276	28708	0.398	ng/ul	100

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

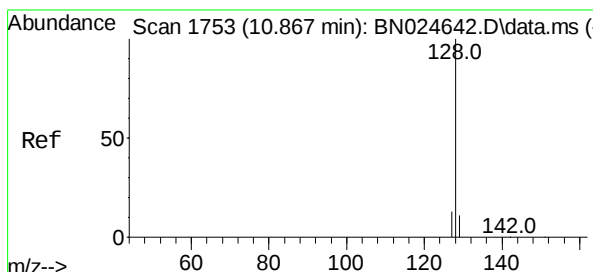
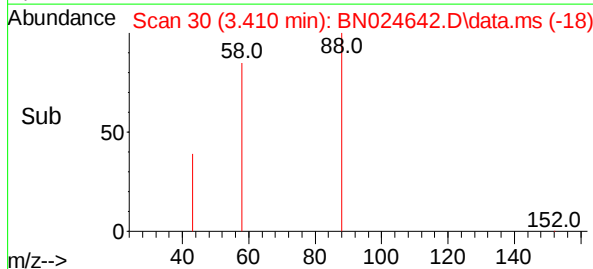
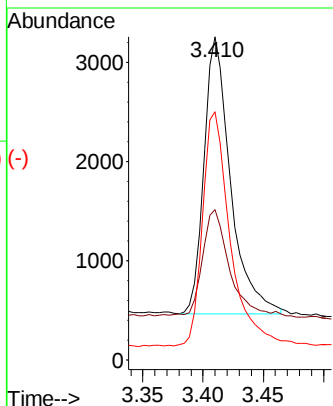
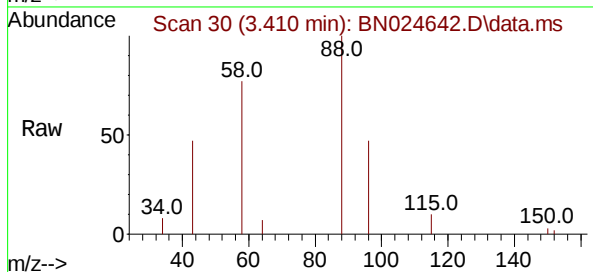
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033023\  
Data File : BN024642.D  
Acq On    : 30 Mar 2023  14:41  
Operator  : CG/JU  
Sample    : SSTD0.484  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
```



1,4-Dioxane
 Concen: 0.362 ng/ul
 RT: 3.410 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BN024642.D
 Acq: 30 Mar 2023 14:41

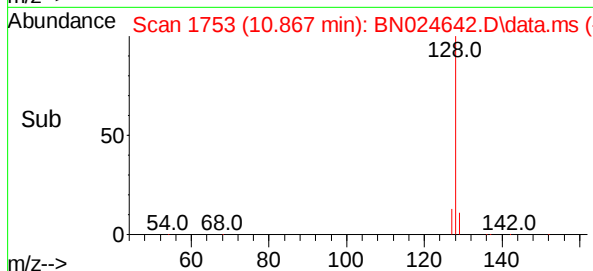
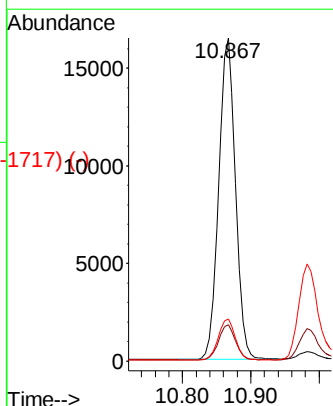
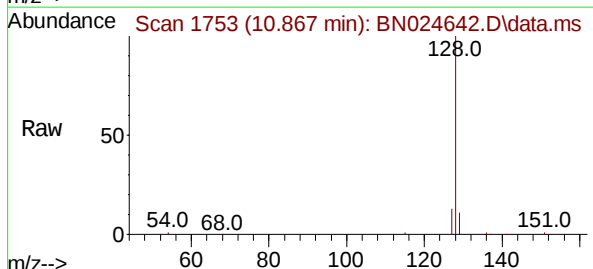
Instrument :
 BNA_N
 ClientSampleId :
 SST0.4246

Tgt Ion:	88	Resp:	4279
Ion	Ratio	Lower	Upper
88	100		
43	46.5	37.2	55.8
58	76.9	61.5	92.3

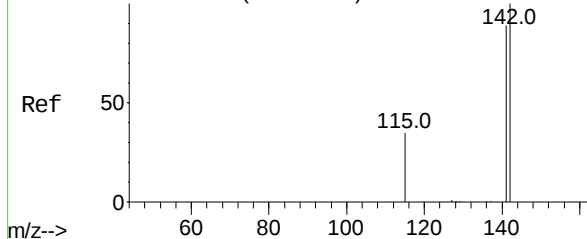


Naphthalene
 Concen: 0.385 ng/ul
 RT: 10.867 min Scan# 1753
 Delta R.T. 0.000 min
 Lab File: BN024642.D
 Acq: 30 Mar 2023 14:41

Tgt Ion:	128	Resp:	28204
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.1	10.5	15.7



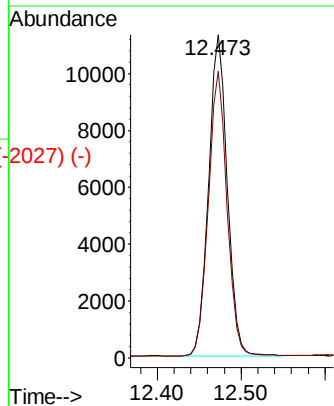
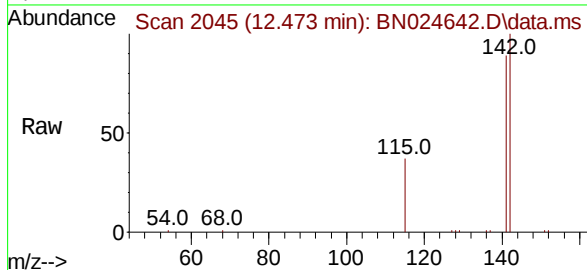
Abundance Scan 2045 (12.473 min): BN024642.D\data.ms (-2037) (-)



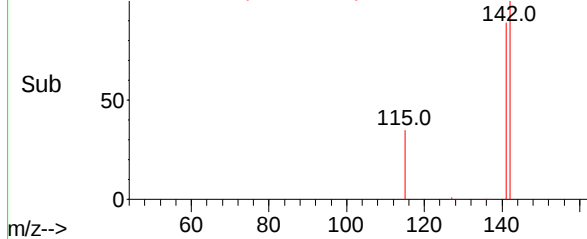
2-Methylnaphthalene
Concen: 0.395 ng/ul
RT: 12.473 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

Instrument :
BNA_N
ClientSampleId :
SSTD0.4246

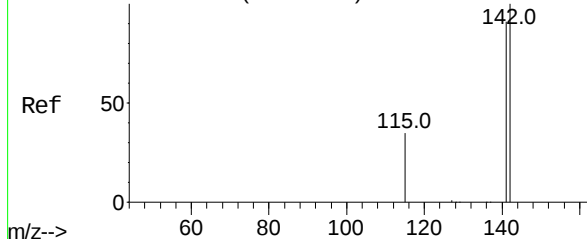
Tgt Ion:142 Resp: 17556
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3



Abundance Scan 2045 (12.473 min): BN024642.D\data.ms (-2027) (-)

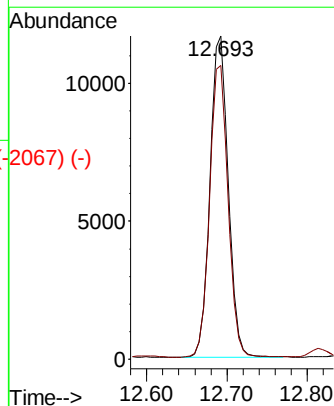
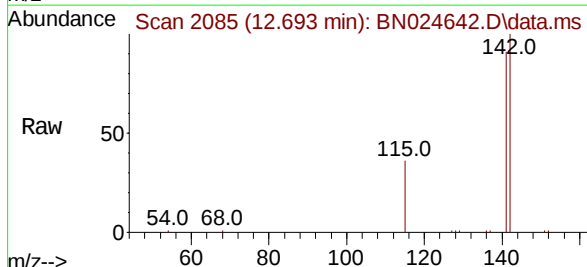


Abundance Scan 2085 (12.693 min): BN024642.D\data.ms (-2078) (-)

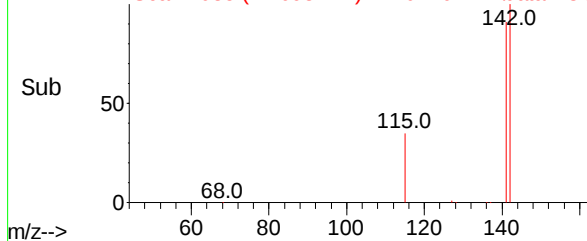


1-Methylnaphthalene
Concen: 0.394 ng/ul
RT: 12.693 min Scan# 2085
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

Tgt Ion:142 Resp: 18388
Ion Ratio Lower Upper
142 100
141 91.9 73.5 110.3



Abundance Scan 2085 (12.693 min): BN024642.D\data.ms (-2067) (-)



Abundance Scan 2421 (14.360 min): BN024642.D\data.ms (-2419) (-)

Acenaphthylene

Concen: 0.324 ng/ul

RT: 14.360 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246

Tgt Ion:152 Resp: 22080

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.3 10.6 16.0

Abundance Scan 2421 (14.360 min): BN024642.D\data.ms

Ref 50

152.0

160.0 165.0

m/z-->

Abundance Scan 2421 (14.360 min): BN024642.D\data.ms

Raw 50

152.0

160.0 165.0

m/z-->

Abundance Scan 2421 (14.360 min): BN024642.D\data.ms (-2378) (-)

Sub 50

152.0

160.0 165.0

m/z-->

Abundance

14.360

10000

5000

0

Time-->

14.20 14.40 14.60

Abundance Scan 2495 (14.703 min): BN024642.D\data.ms (-2415) (-)

Acenaphthene

Concen: 0.372 ng/ul

RT: 14.703 min Scan# 2495

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Tgt Ion:153 Resp: 19522

Ion Ratio Lower Upper

153 100

152 50.4 40.3 60.5

154 88.7 71.0 106.4

Abundance Scan 2495 (14.703 min): BN024642.D\data.ms

Ref 50

153.0

160.0 165.0

m/z-->

Abundance Scan 2495 (14.703 min): BN024642.D\data.ms

Raw 50

153.0

160.0 165.0

m/z-->

Abundance Scan 2495 (14.703 min): BN024642.D\data.ms (-2452) (-)

Sub 50

153.0

160.0 165.0

m/z-->

Abundance

14.703

10000

5000

0

Time-->

14.60 14.70 14.80

Abundance Scan 2707 (15.684 min): BN024642.D\data.ms (-2685) (-)

Fluorene

Concen: 0.378 ng/ul

RT: 15.684 min Scan# 2707

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246

Tgt Ion:166 Resp: 22171

Ion Ratio Lower Upper

166 100

165 100.0 80.0 120.0

167 13.5 10.8 16.2

Abundance Scan 2707 (15.684 min): BN024642.D\data.ms

Ref

50

0

152.0 160.0 165.0

m/z-->

145 150 155 160 165 170 175

Abundance Scan 2707 (15.684 min): BN024642.D\data.ms (-2685) (-)

Raw

50

0

152.0 160.0 165.0

m/z-->

145 150 155 160 165 170 175

Abundance Scan 2707 (15.684 min): BN024642.D\data.ms (-2685) (-)

Sub

50

0

152.0 160.0 165.0

m/z-->

145 150 155 160 165 170 175

Abundance

15000

10000

5000

0

15.684

Time-->

15.60 15.70 15.80

Abundance Scan 3020 (17.033 min): BN024642.D\data.ms (-2996) (-)

Pentachlorophenol

Concen: 0.274 ng/ul

RT: 17.033 min Scan# 3020

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Tgt Ion:266 Resp: 2656

Ion Ratio Lower Upper

266 100

264 62.0 49.6 74.4

268 65.7 52.6 78.8

Abundance Scan 3020 (17.033 min): BN024642.D\data.ms

Ref

50

0

94.0 178.0 266.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3020 (17.033 min): BN024642.D\data.ms (-2996) (-)

Raw

50

0

94.0 179.0 266.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3020 (17.033 min): BN024642.D\data.ms (-2996) (-)

Sub

50

0

94.0 178.0 266.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

1500

1000

500

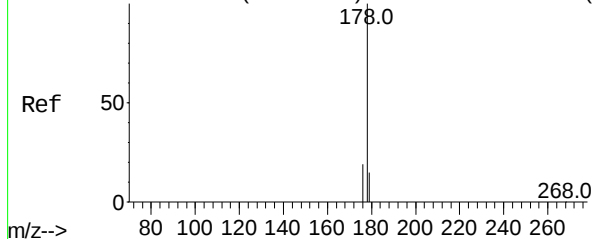
0

17.033

Time-->

17.00 17.10

Abundance Scan 3113 (17.426 min): BN024642.D\data.ms (-3105) (-)



Phenanthrene

Concen: 0.370 ng/ul

RT: 17.426 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246

Tgt Ion:178 Resp: 37044

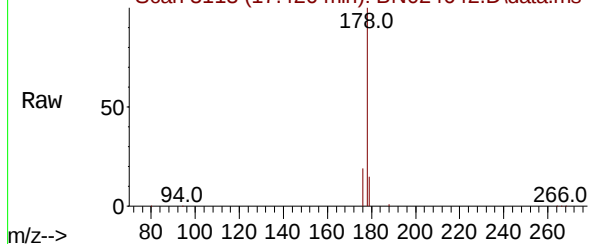
Ion Ratio Lower Upper

178 100

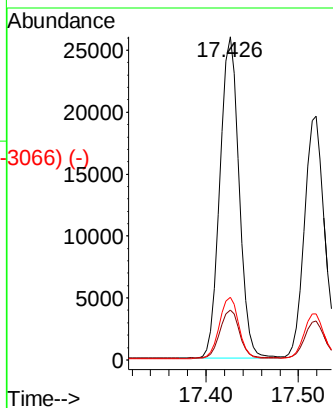
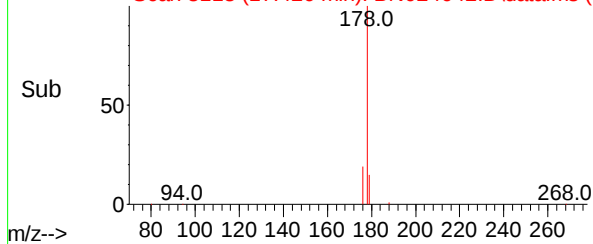
179 15.4 12.3 18.5

176 19.4 15.5 23.3

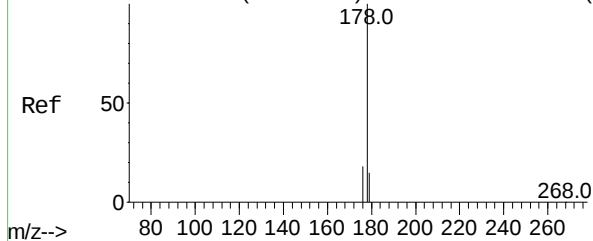
Abundance Scan 3113 (17.426 min): BN024642.D\data.ms



Abundance Scan 3113 (17.426 min): BN024642.D\data.ms (-3066) (-)



Abundance Scan 3135 (17.519 min): BN024642.D\data.ms (-3126) (-)



Anthracene

Concen: 0.346 ng/ul

RT: 17.519 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Tgt Ion:178 Resp: 30419

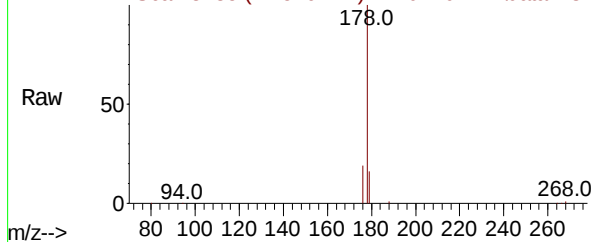
Ion Ratio Lower Upper

178 100

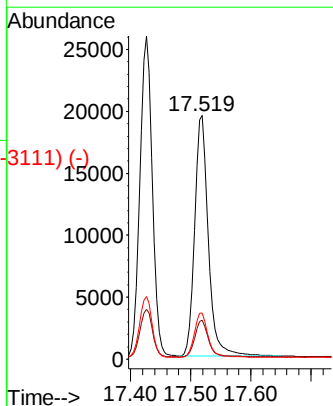
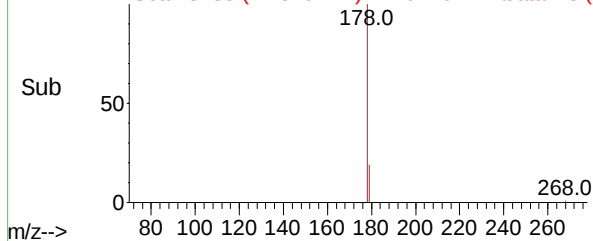
179 15.9 12.7 19.1

176 19.0 15.2 22.8

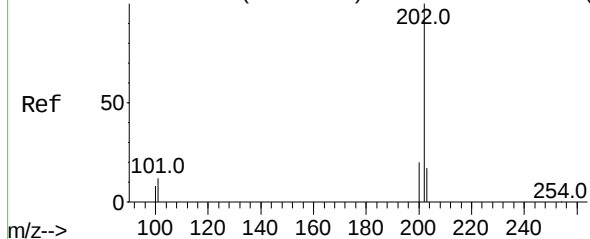
Abundance Scan 3135 (17.519 min): BN024642.D\data.ms



Abundance Scan 3135 (17.519 min): BN024642.D\data.ms (-3111) (-)



Abundance Scan 3570 (19.441 min): BN024642.D\data.ms (-3549) (-)



Fluoranthene

Concen: 0.342 ng/ul

RT: 19.441 min Scan#

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246

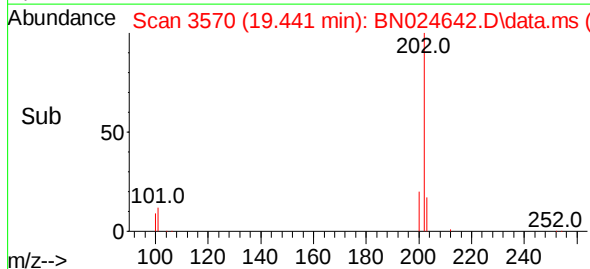
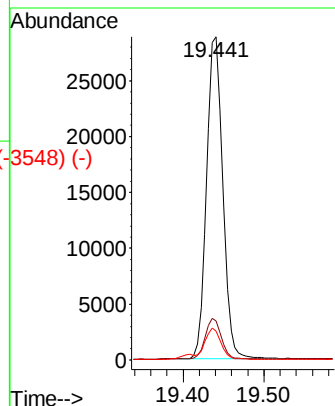
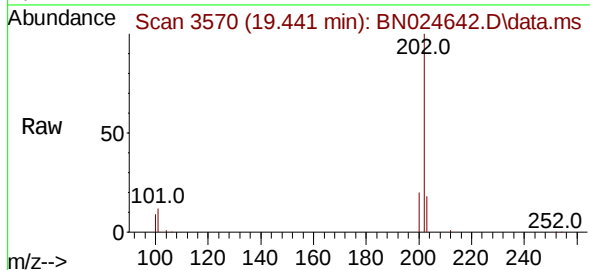
Tgt Ion:202 Resp: 39925

Ion Ratio Lower Upper

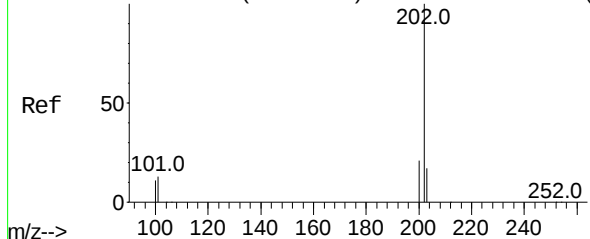
202 100

101 12.0 9.6 14.4

100 8.8 7.0 10.6



Abundance Scan 3648 (19.803 min): BN024642.D\data.ms (-3626) (-)



Pyrene

Concen: 0.340 ng/ul

RT: 19.803 min Scan# 3648

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

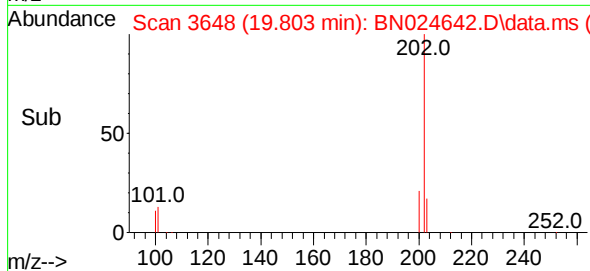
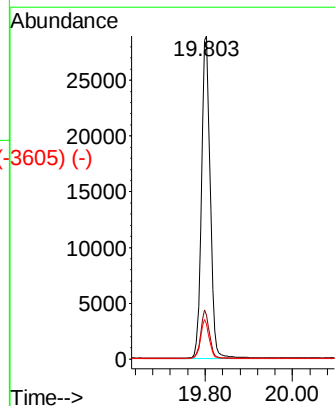
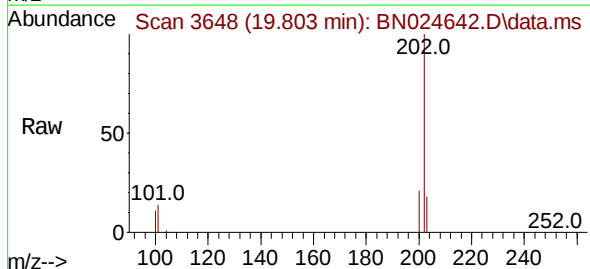
Tgt Ion:202 Resp: 40270

Ion Ratio Lower Upper

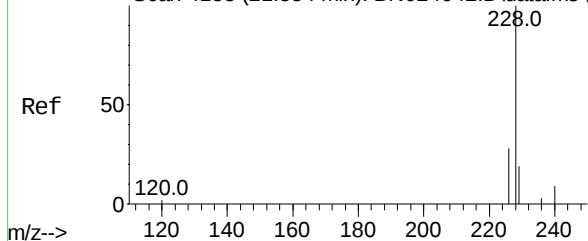
202 100

101 13.6 10.9 16.3

100 10.9 8.7 13.1



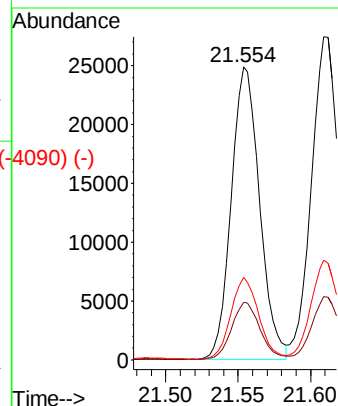
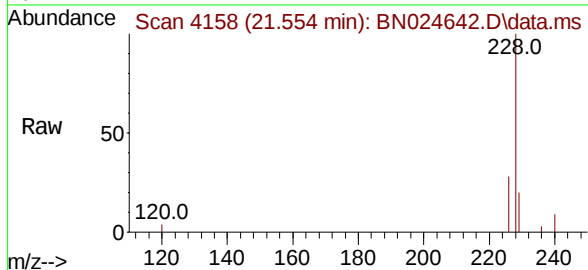
Abundance Scan 4158 (21.554 min): BN024642.D\data.ms (-4124) (-)



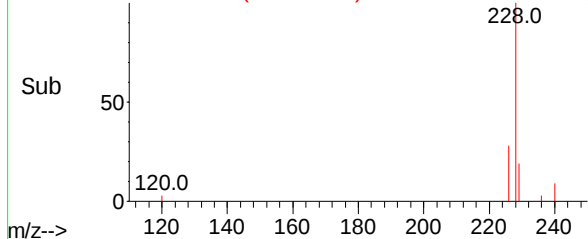
Benzo(a)anthracene
Concen: 0.352 ng/u1
RT: 21.554 min Scan# 4158
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

Instrument :
BNA_N
ClientSampleId :
SSTD0.4246

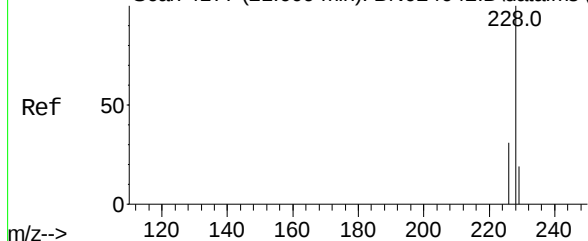
Tgt Ion:	228	Resp:	33624
Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.6	23.4
226	28.1	22.5	33.7



Abundance Scan 4158 (21.554 min): BN024642.D\data.ms (-4090) (-)

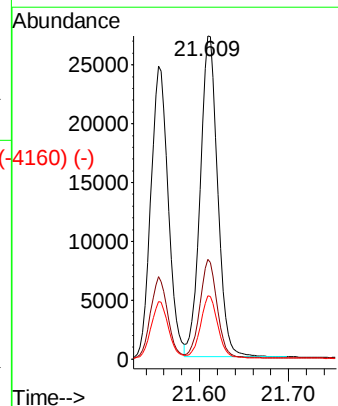
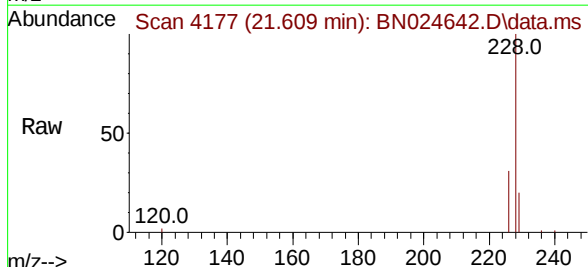


Abundance Scan 4177 (21.609 min): BN024642.D\data.ms (-4123) (-)

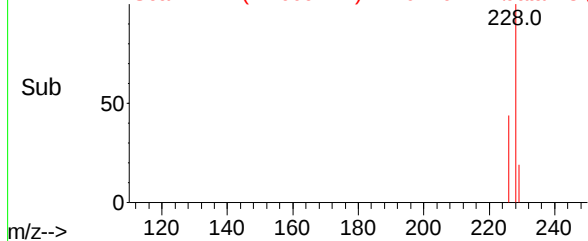


Chrysene
Concen: 0.372 ng/u1
RT: 21.609 min Scan# 4177
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

Tgt Ion:	228	Resp:	37525
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	19.5	15.6	23.4



Abundance Scan 4177 (21.609 min): BN024642.D\data.ms (-4160) (-)



Abundance Scan 4753 (23.293 min): BN024642.D\data.ms (-4725) (-)

Benzo(b)fluoranthene

Concen: 0.426 ng/u1

RT: 23.293 min Scan# 4753

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246

Tgt Ion:252 Resp: 36511

Ion Ratio Lower Upper

252 100

253 24.8 0.0 49.6

125 16.2 0.0 32.4

Abundance Scan 4753 (23.293 min): BN024642.D\data.ms

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4753 (23.293 min): BN024642.D\data.ms (-4685) (-)

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.293

15000

10000

5000

0

Time-->

23.20 23.25 23.30

Abundance Scan 4771 (23.345 min): BN024642.D\data.ms (-4725) (-)

Benzo(k)fluoranthene

Concen: 0.386 ng/u1

RT: 23.345 min Scan# 4771

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

Tgt Ion:252 Resp: 34362

Ion Ratio Lower Upper

252 100

253 25.2 20.2 30.2

125 16.4 13.1 19.7

Abundance Scan 4771 (23.345 min): BN024642.D\data.ms

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

0 50 100 150 200 250

Abundance Scan 4771 (23.345 min): BN024642.D\data.ms (-4754) (-)

Sub 50

125.0

252.0

m/z-->

0 50 100 150 200 250

Abundance

23.345

15000

10000

5000

0

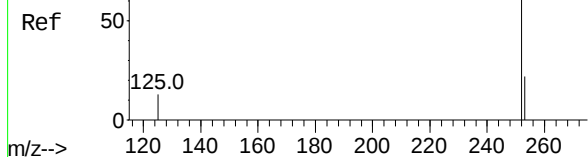
Time-->

23.30 23.40 23.50

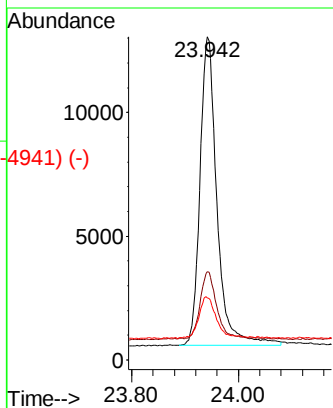
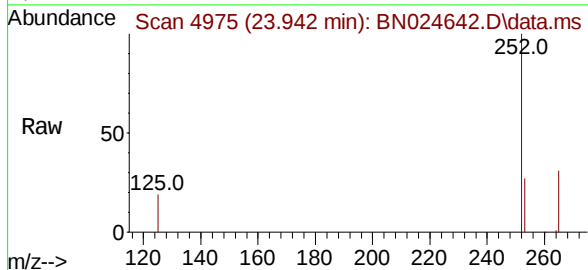
Abundance Scan 4975 (23.942 min): BN024642.D\data.ms (-4926) (-)

Benzo(a)pyrene
Concen: 0.374 ng/u1
RT: 23.942 min Scan# 4926
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

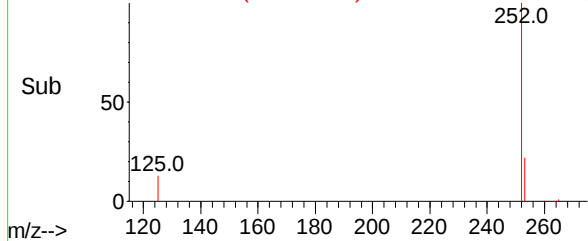
Instrument :
BNA_N
ClientSampleId :
SSTD0.4246



Tgt Ion:	252	Resp:	27587
Ion Ratio	Lower	Upper	
252	100		
253	27.3	21.8	32.8
125	19.2	15.4	23.0



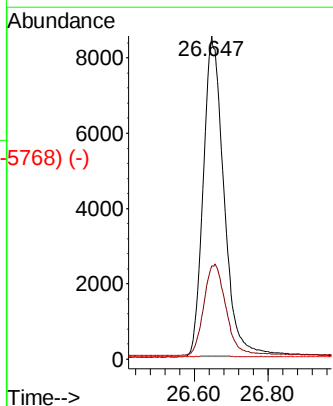
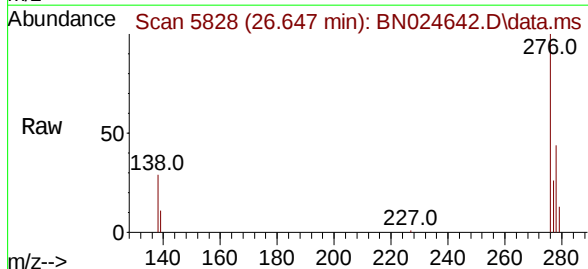
Abundance Scan 4975 (23.942 min): BN024642.D\data.ms (-4941) (-)



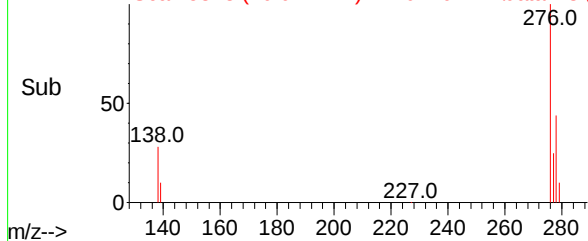
Abundance Scan 5828 (26.647 min): BN024642.D\data.ms (-5827) (-)

Indeno(1,2,3-cd)pyrene
Concen: 0.401 ng/u1
RT: 26.647 min Scan# 5828
Delta R.T. 0.000 min
Lab File: BN024642.D
Acq: 30 Mar 2023 14:41

Tgt Ion:	276	Resp:	33355
Ion Ratio	Lower	Upper	
276	100		
138	30.7	24.6	36.8
227	0.1	0.1	0.1#



Abundance Scan 5828 (26.647 min): BN024642.D\data.ms (-5768) (-)



Abundance Scan 5836 (26.673 min): BN024642.D\data.ms (-5836) (-)

Dibenzo(a,h)anthracene

Concen: 0.423 ng/ul

RT: 26.673 min Scan# 5836

Delta R.T. 0.000 min

Lab File: BN024642.D

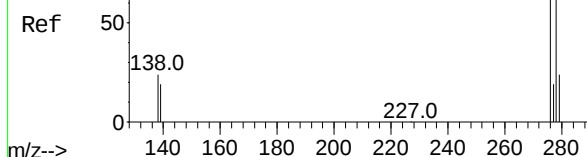
Acq: 30 Mar 2023 14:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.4246



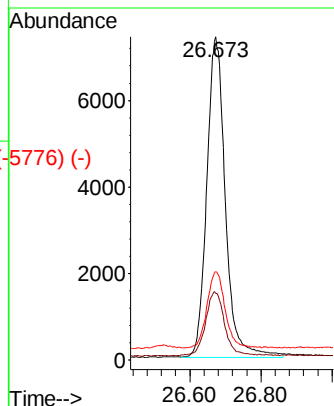
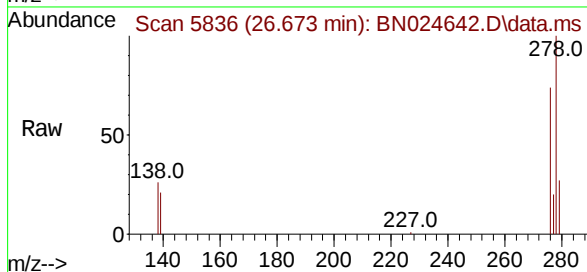
Tgt Ion:278 Resp: 26738

Ion Ratio Lower Upper

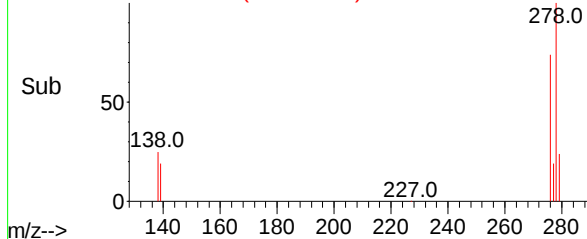
278 100

139 20.6 16.5 24.7

279 27.3 21.8 32.8



Abundance Scan 5836 (26.673 min): BN024642.D\data.ms (-5776) (-)



Abundance Scan 6068 (27.451 min): BN024642.D\data.ms (-6029) (-)

Benzo(g,h,i)perylene

Concen: 0.398 ng/ul

RT: 27.451 min Scan# 6068

Delta R.T. 0.000 min

Lab File: BN024642.D

Acq: 30 Mar 2023 14:41

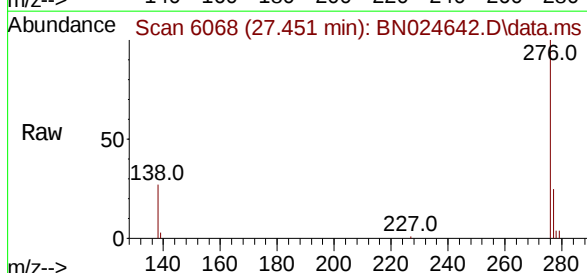
Tgt Ion:276 Resp: 28708

Ion Ratio Lower Upper

276 100

138 26.8 21.4 32.2

277 24.7 19.8 29.6



Abundance Scan 6068 (27.451 min): BN024642.D\data.ms (-6008) (-)

