

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033023\
 Data File : BN024644.D
 Acq On : 30 Mar 2023 15:53
 Operator : CG/JU
 Sample : SSTD1.686
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD1.6248

Quant Time: Mar 30 16:58:12 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 16:20:57 2023
 Response via : Initial Calibration

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

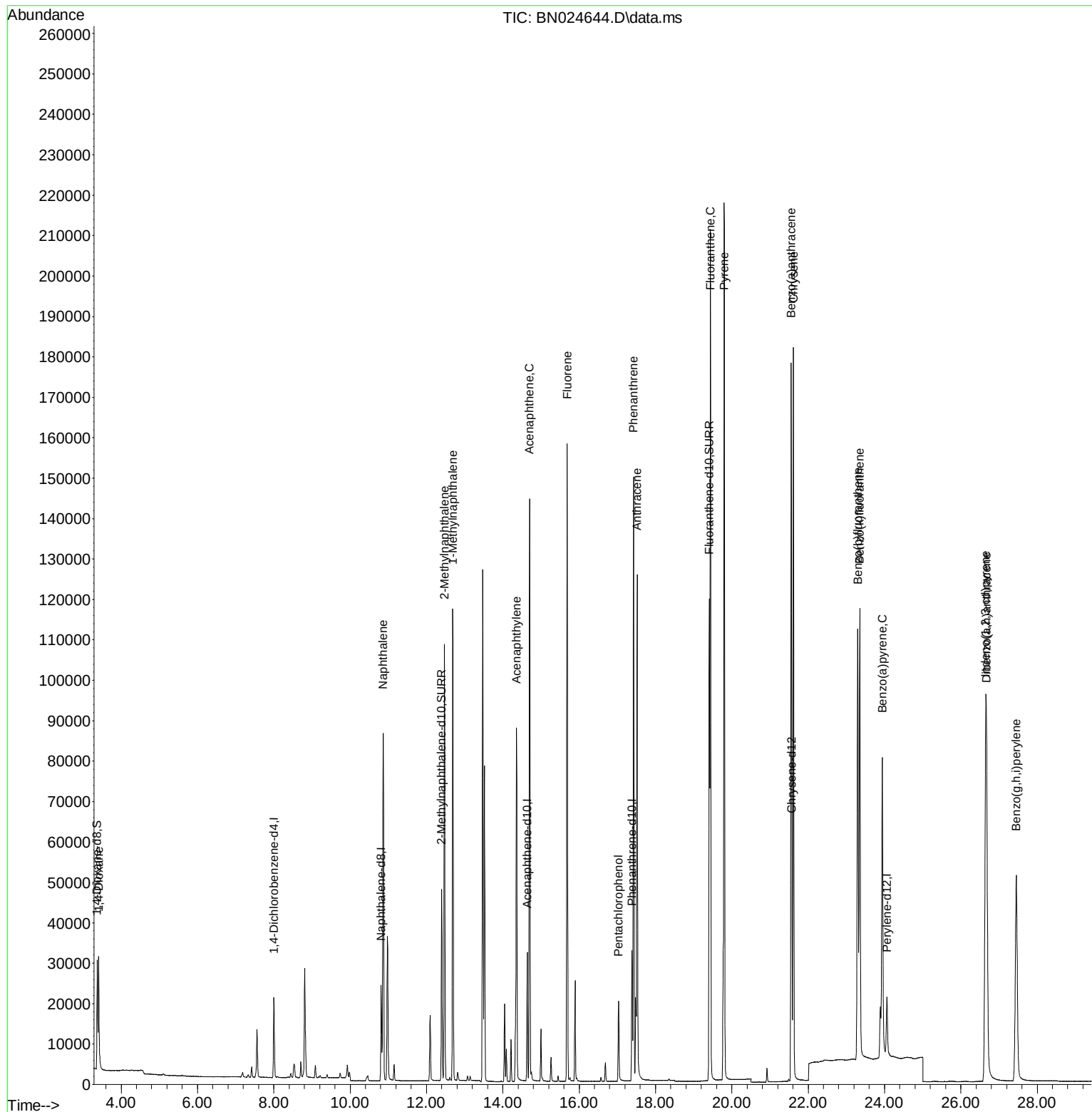
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.004	152	10426	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	30842	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.638	164	17139	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.384	188	35915	0.400	ng/ul	0.00
17) Chrysene-d12	21.574	240	31997	0.400	ng/ul	0.00
23) Perylene-d12	24.065	264	23062	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	16432	1.502	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.395	152	60110	1.574	ng/ul	0.00
18) Fluoranthene-d10	19.408	212	123102	1.565	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.410	88	17426	1.526	ng/ul	94
5) Naphthalene	10.861	128	118466	1.555	ng/ul	100
7) 2-Methylnaphthalene	12.472	142	74761	1.581	ng/ul	100
8) 1-Methylnaphthalene	12.687	142	77352	1.561	ng/ul	100
10) Acenaphthylene	14.360	152	100451	1.673	ng/ul	99
11) Acenaphthene	14.698	153	83326	1.581	ng/ul	99
12) Fluorene	15.684	166	96838	1.617	ng/ul	98
14) Pentachlorophenol	17.033	266	13416	1.938	ng/ul	98
15) Phenanthrene	17.426	178	155562	1.575	ng/ul	99
16) Anthracene	17.519	178	139550	1.723	ng/ul	99
19) Fluoranthene	19.441	202	177534	1.568	ng/ul	99
20) Pyrene	19.799	202	180388	1.565	ng/ul	97
21) Benzo(a)anthracene	21.556	228	154986	1.615	ng/ul	99
22) Chrysene	21.612	228	162264	1.519	ng/ul	99
24) Benzo(b)fluoranthene	23.299	252	157120	1.650	ng/ul	94
25) Benzo(k)fluoranthene	23.351	252	153789	1.686	ng/ul#	93
26) Benzo(a)pyrene	23.942	252	124438	1.665	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.649	276	147467	1.654	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.673	278	118983	1.672	ng/ul	97
29) Benzo(g,h,i)perylene	27.451	276	123880	1.605	ng/ul	98

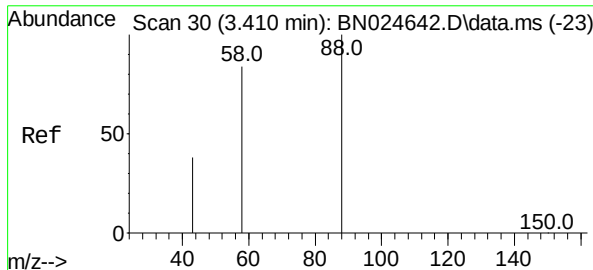
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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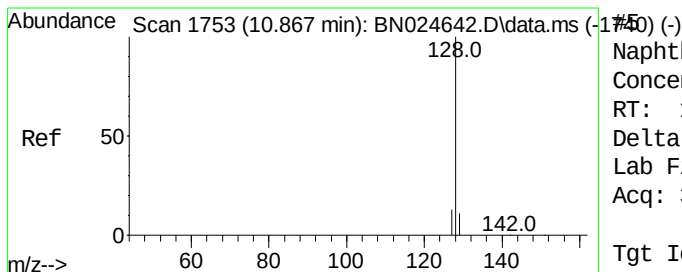
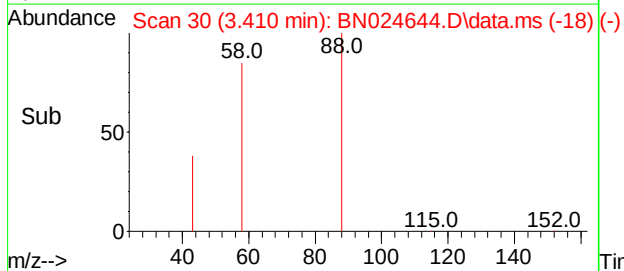
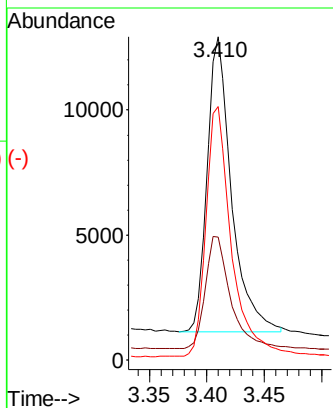
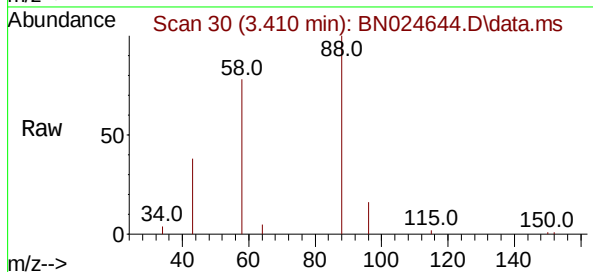




1,4-Dioxane
 Concen: 1.526 ng/ul
 RT: 3.410 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BN024644.D
 Acq: 30 Mar 2023 15:53

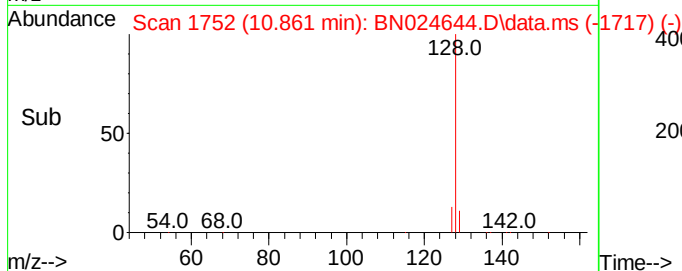
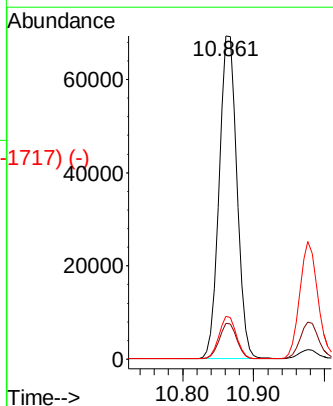
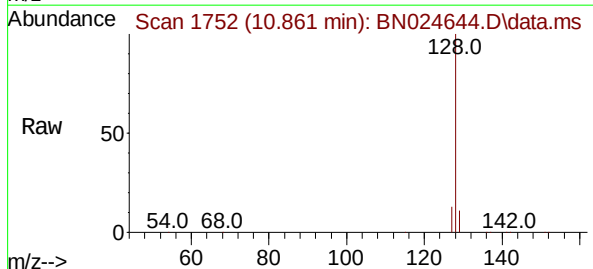
Instrument :
 BNA_N
 ClientSampleId :
 SSTD1.6248

Tgt Ion: 88 Resp: 17426
 Ion Ratio Lower Upper
 88 100
 43 38.0 37.2 55.8
 58 78.4 61.5 92.3



Naphthalene
 Concen: 1.555 ng/ul
 RT: 10.861 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BN024644.D
 Acq: 30 Mar 2023 15:53

Tgt Ion: 128 Resp: 118466
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.0 13.6
 127 13.2 10.5 15.7



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

2-Methylnaphthalene

Concen: 1.581 ng/ul

RT: 12.472 min Scan# 2045

Delta R.T. -0.000 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

Instrument :

BNA_N

ClientSampleId :

SSTD1.6248

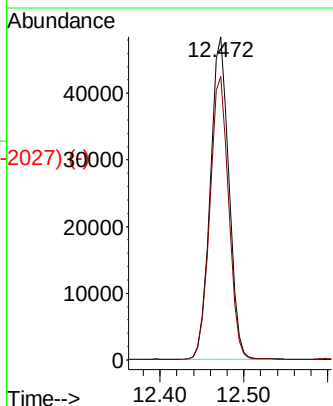
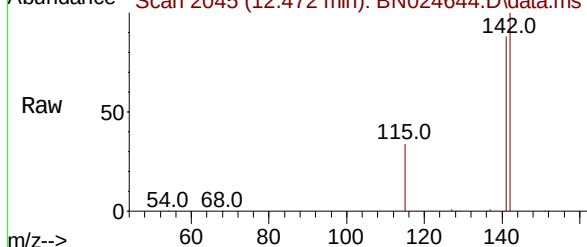
Tgt Ion:142 Resp: 74761

Ion Ratio Lower Upper

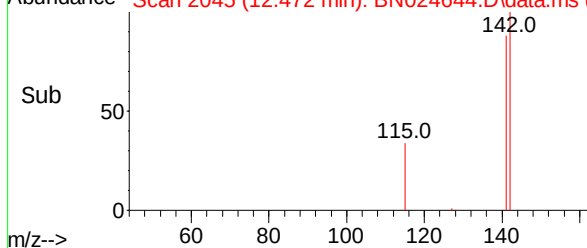
142 100

141 88.4 70.9 106.3

Abundance Scan 2045 (12.472 min): BN024644.D\data.ms



Abundance Scan 2045 (12.472 min): BN024644.D\data.ms (-2027) (-)



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

1-Methylnaphthalene

Concen: 1.561 ng/ul

RT: 12.687 min Scan# 2084

Delta R.T. -0.006 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

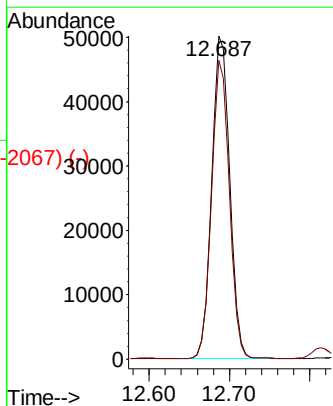
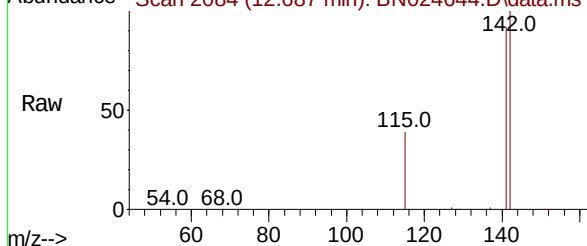
Tgt Ion:142 Resp: 77352

Ion Ratio Lower Upper

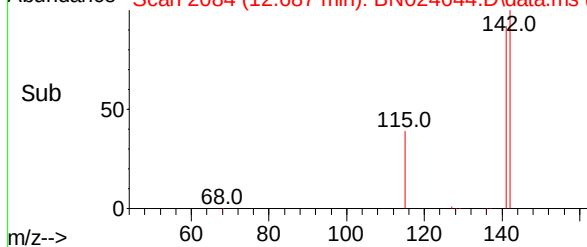
142 100

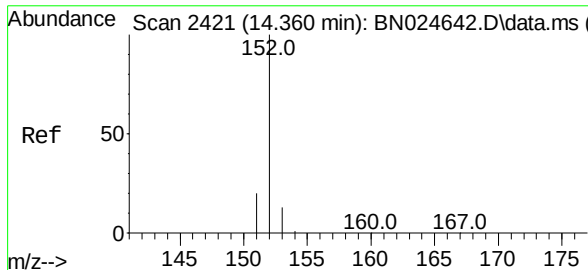
141 91.7 73.5 110.3

Abundance Scan 2084 (12.687 min): BN024644.D\data.ms



Abundance Scan 2084 (12.687 min): BN024644.D\data.ms (-2067) (-)





Acenaphthylene

Concen: 1.673 ng/ul

RT: 14.360 min Scan# 2421

Delta R.T. -0.000 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

Instrument :

BNA_N

ClientSampleId :

SSTD1.6248

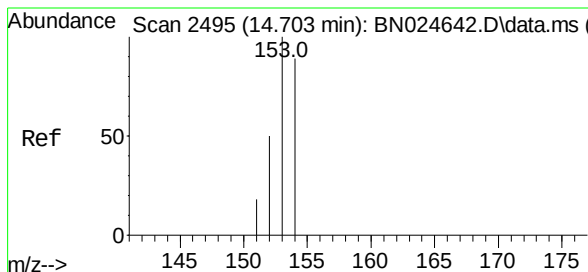
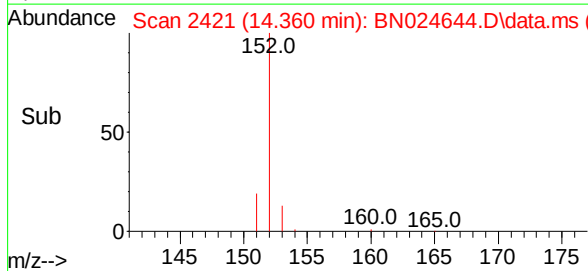
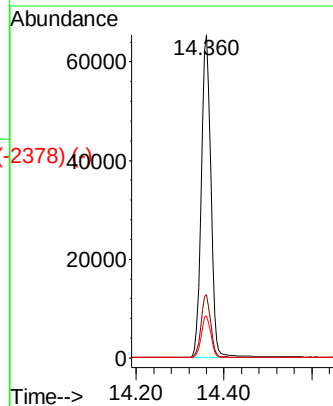
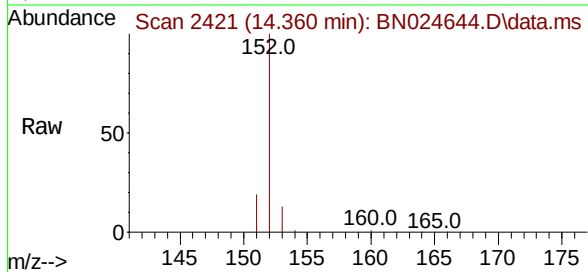
Tgt Ion:152 Resp: 100451

Ion Ratio Lower Upper

152 100

151 19.5 16.1 24.1

153 13.1 10.6 16.0



Acenaphthene

Concen: 1.581 ng/ul

RT: 14.698 min Scan# 2494

Delta R.T. -0.005 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

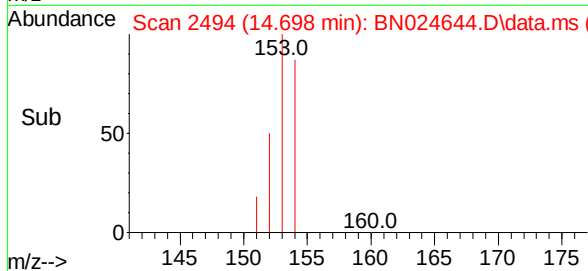
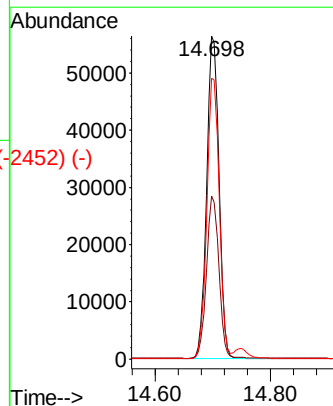
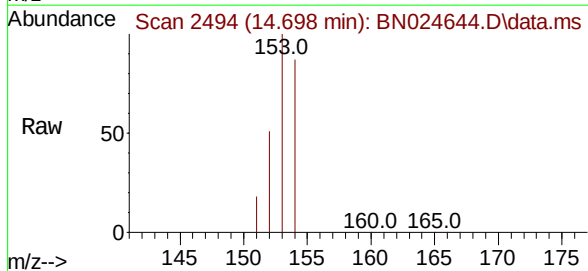
Tgt Ion:153 Resp: 83326

Ion Ratio Lower Upper

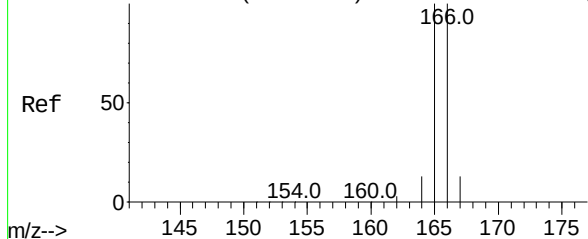
153 100

152 50.5 40.3 60.5

154 86.9 71.0 106.4



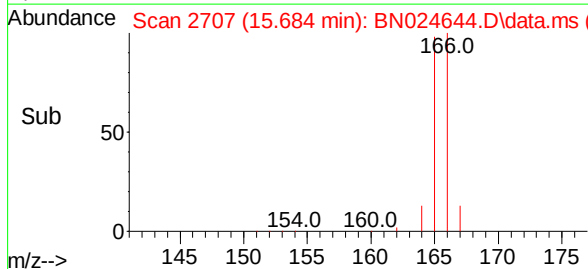
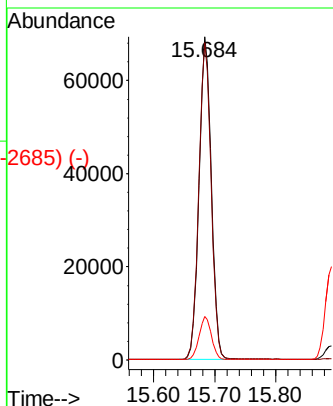
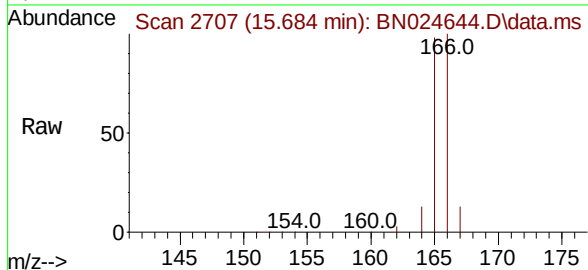
Abundance Scan 2707 (15.684 min): BN024642.D\data.ms (-2685) (-)



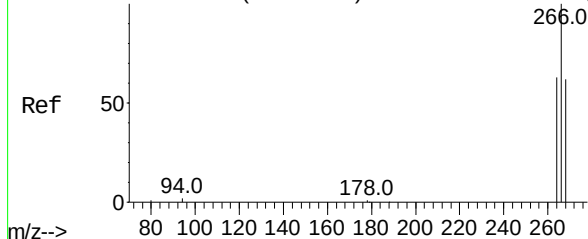
Fluorene
Concen: 1.617 ng/ul
RT: 15.684 min Scan# 2707
Delta R.T. -0.000 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Instrument :
BNA_N
ClientSampleId :
SSTD1.6248

Tgt Ion:	166	Resp:	96838
Ion Ratio	Lower	Upper	
166	100		
165	98.2	80.0	120.0
167	13.4	10.8	16.2

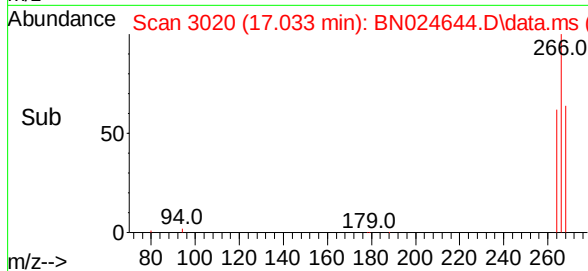
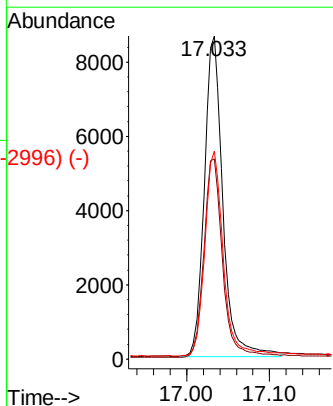
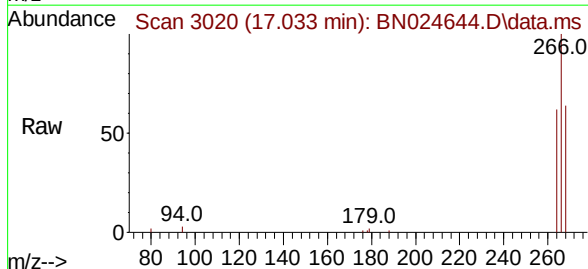


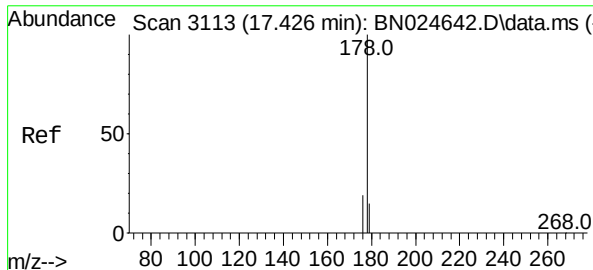
Abundance Scan 3020 (17.033 min): BN024642.D\data.ms (-2996) (-)



Pentachlorophenol
Concen: 1.938 ng/ul
RT: 17.033 min Scan# 3020
Delta R.T. -0.000 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Tgt Ion:	266	Resp:	13416
Ion Ratio	Lower	Upper	
266	100		
264	63.1	49.6	74.4
268	64.2	52.6	78.8

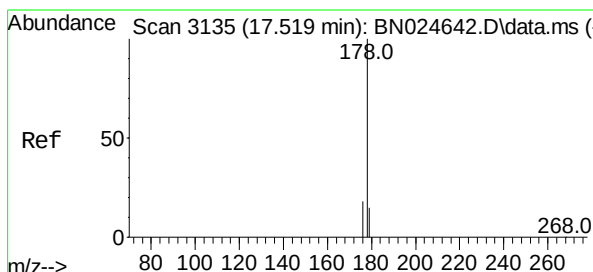
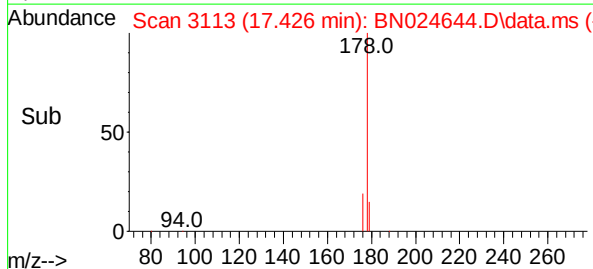
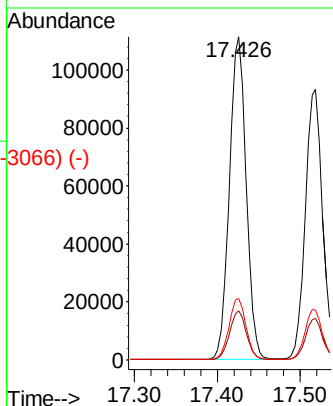
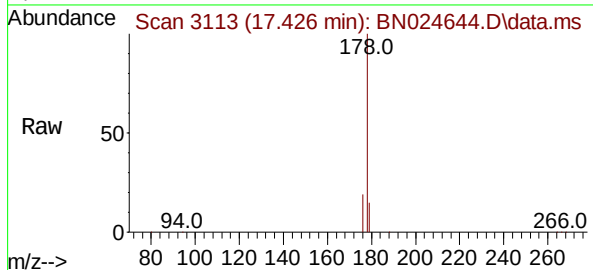




Phenanthrene
Concen: 1.575 ng/ul
RT: 17.426 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

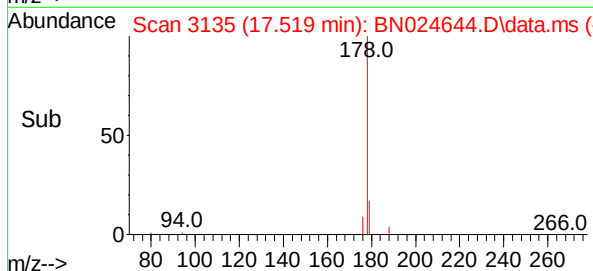
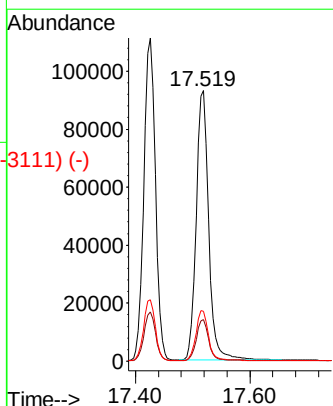
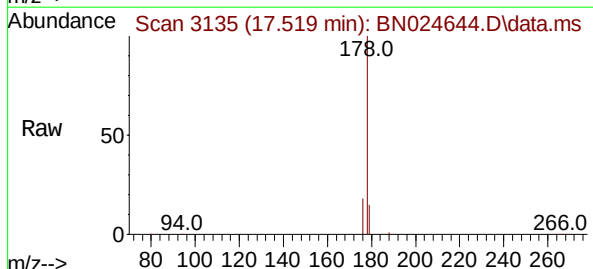
Instrument :
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ClientSampleId :
SSTD1.6248

Tgt Ion:178 Resp: 155562
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 19.0 15.5 23.3

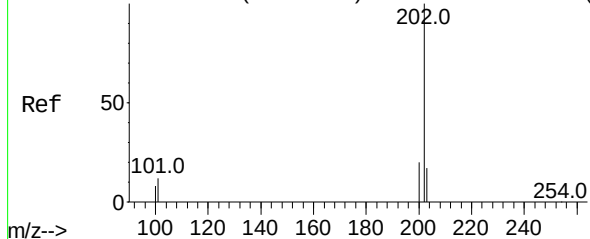


Anthracene
Concen: 1.723 ng/ul
RT: 17.519 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Tgt Ion:178 Resp: 139550
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 18.5 15.2 22.8



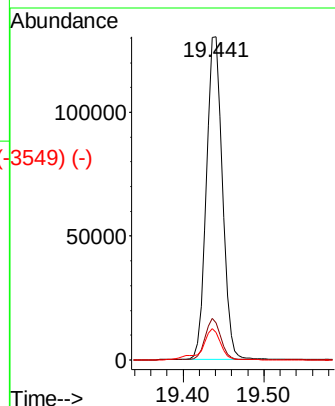
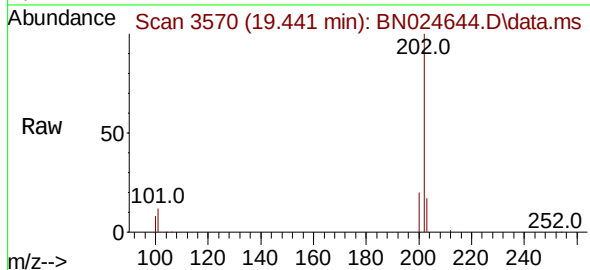
Abundance Scan 3570 (19.441 min): BN024642.D\data.ms (-3549) (-)



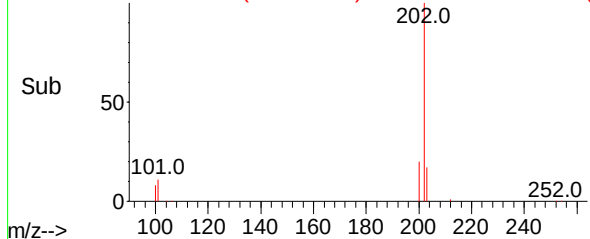
Fluoranthene
Concen: 1.568 ng/ul
RT: 19.441 min Scan# 3549
Delta R.T. -0.000 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Instrument :
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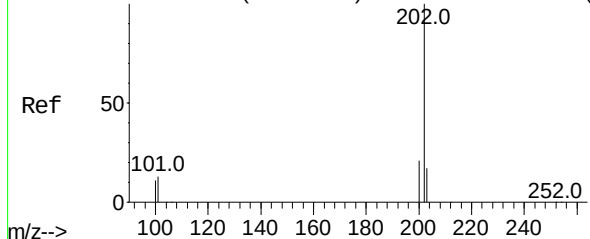
Tgt Ion:	202	Resp:	177534
Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.6	14.4
100	8.5	7.0	10.6



Abundance Scan 3570 (19.441 min): BN024644.D\data.ms (-3549) (-)

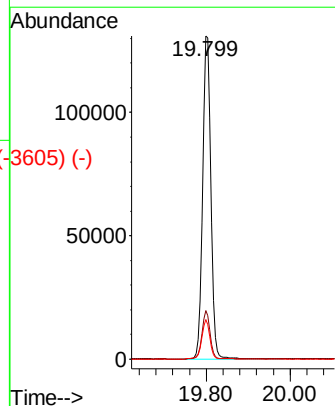
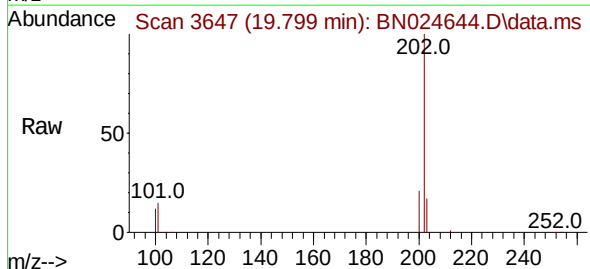


Abundance Scan 3648 (19.803 min): BN024642.D\data.ms (-3626) (-)

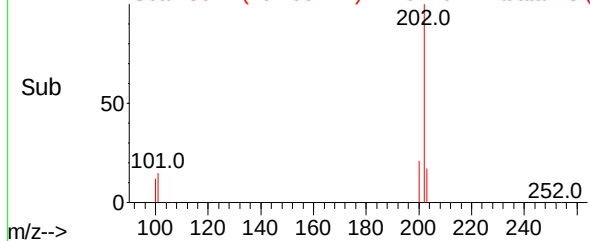


Pyrene
Concen: 1.565 ng/ul
RT: 19.799 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

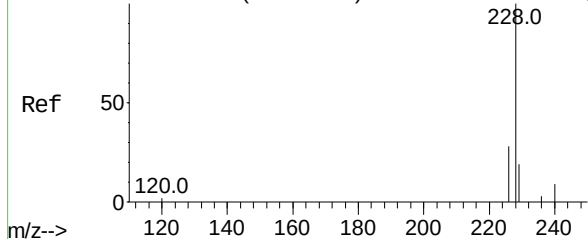
Tgt Ion:	202	Resp:	180388
Ion	Ratio	Lower	Upper
202	100		
101	14.9	10.9	16.3
100	12.2	8.7	13.1



Abundance Scan 3647 (19.799 min): BN024644.D\data.ms (-3605) (-)



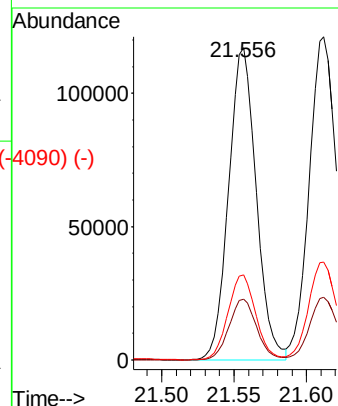
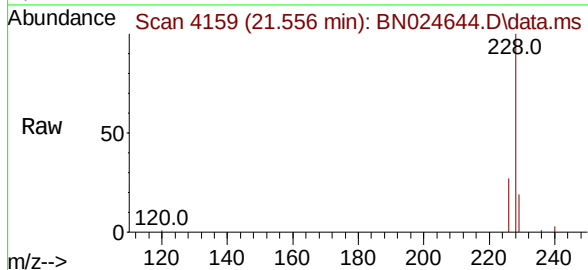
Abundance Scan 4158 (21.554 min): BN024642.D\data.ms (-4124) (-)



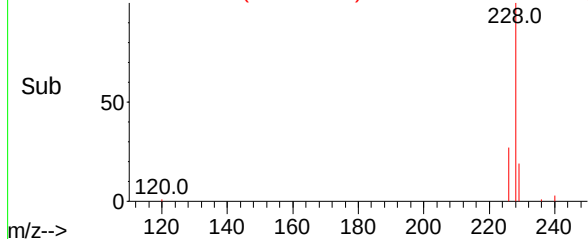
Benzo(a)anthracene
Concen: 1.615 ng/ul
RT: 21.556 min Scan# 4159
Delta R.T. 0.003 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Instrument :
BNA_N
ClientSampleId :
SSTD1.6248

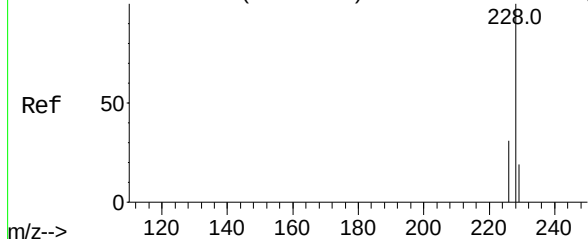
Tgt Ion:	228	Resp:	154986
Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.6	23.4
226	27.2	22.5	33.7



Abundance Scan 4159 (21.556 min): BN024644.D\data.ms (-4090) (-)

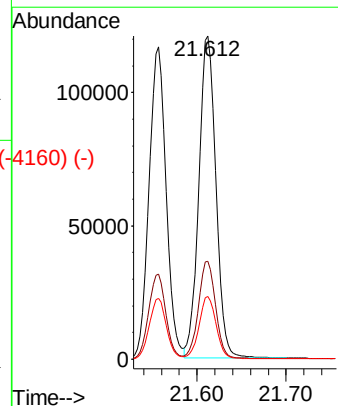
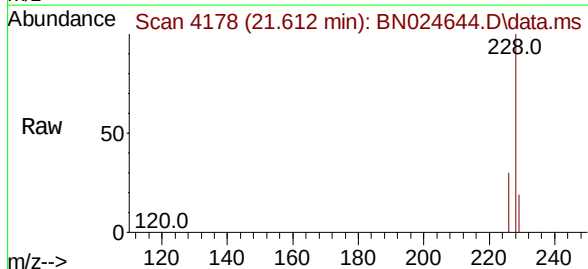


Abundance Scan 4177 (21.609 min): BN024642.D\data.ms (-4123) (-)

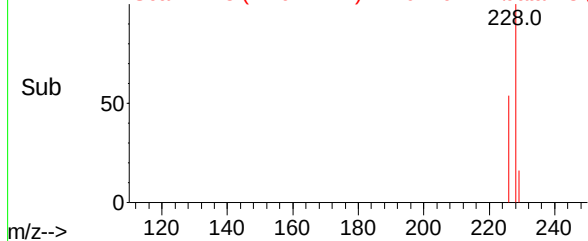


Chrysene
Concen: 1.519 ng/ul
RT: 21.612 min Scan# 4178
Delta R.T. 0.003 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

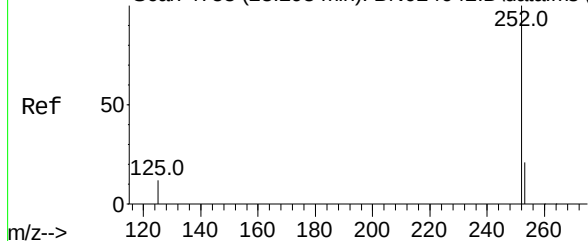
Tgt Ion:	228	Resp:	162264
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.4	15.6	23.4



Abundance Scan 4178 (21.612 min): BN024644.D\data.ms (-4160) (-)



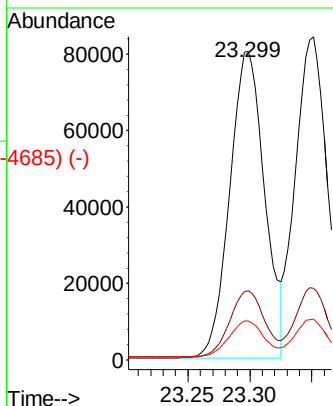
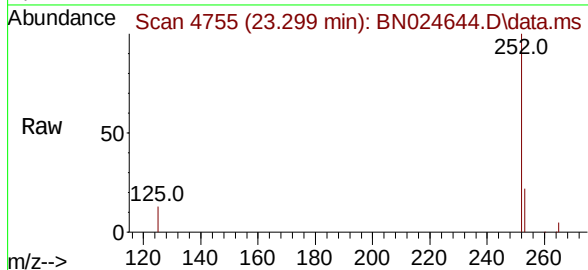
Abundance Scan 4753 (23.293 min): BN024642.D\data.ms (-4725) (-)



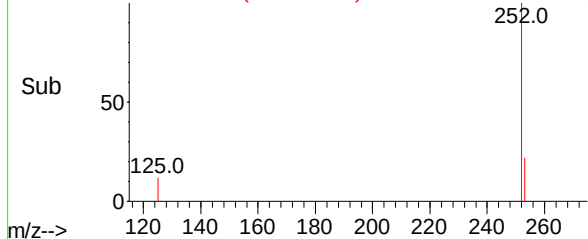
Benzo(b)fluoranthene
Concen: 1.650 ng/ul
RT: 23.299 min Scan# 4725
Delta R.T. 0.006 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Instrument :
BNA_N
ClientSampleId :
SSTD1.6248

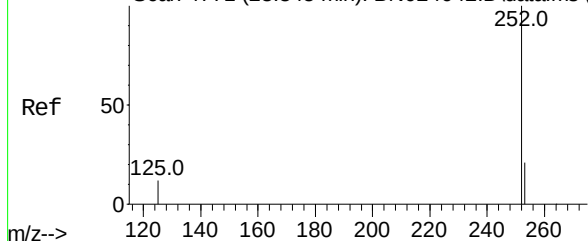
Tgt Ion:	252	Resp:	157120
Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	49.6
125	12.5	0.0	32.4



Abundance Scan 4755 (23.299 min): BN024644.D\data.ms (-4685) (-)

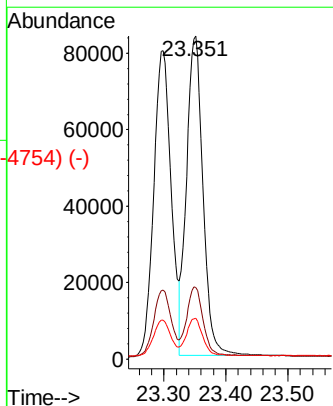
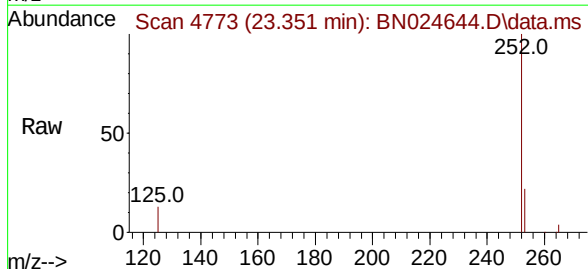


Abundance Scan 4771 (23.345 min): BN024642.D\data.ms (-4725) (-)

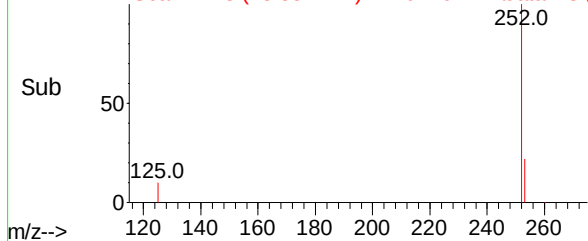


Benzo(k)fluoranthene
Concen: 1.686 ng/ul
RT: 23.351 min Scan# 4773
Delta R.T. 0.006 min
Lab File: BN024644.D
Acq: 30 Mar 2023 15:53

Tgt Ion:	252	Resp:	153789
Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.2	30.2
125	12.6	13.1	19.7#



Abundance Scan 4773 (23.351 min): BN024644.D\data.ms (-4754) (-)



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

Benzo(a)pyrene

Concen: 1.665 ng/ul

RT: 23.942 min Scan# 4926

Delta R.T. -0.000 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

Instrument :

BNA_N

ClientSampleId :

SSTD1.6248

Tgt Ion:252 Resp: 124438

Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

125 14.5 15.4 23.0#

Abundance Scan 4975 (23.942 min): BN024644.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 4975 (23.942 min): BN024644.D\data.ms (-4941) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

50000

40000

30000

20000

10000

0

23.80 24.00

Time-->

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

Indeno(1,2,3-cd)pyrene

Concen: 1.654 ng/ul

RT: 26.649 min Scan# 5829

Delta R.T. 0.003 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

Tgt Ion:276 Resp: 147467

Ion Ratio Lower Upper

276 100

138 30.2 24.6 36.8

227 0.2 0.1 0.1#

Abundance Scan 5829 (26.649 min): BN024644.D\data.ms

Ref 50

138.0

227.0

276.0

Raw 50

138.0

227.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5829 (26.649 min): BN024644.D\data.ms (-5769) (-)

Ref 50

138.0

227.0

276.0

Sub 50

138.0

227.0

m/z-->

140 160 180 200 220 240 260 280

Abundance

30000

20000

10000

0

26.40 26.60 26.80

Time-->

Abundance Scan 5836 (26.673 min): BN024642.D\data.ms (-5829)

Dibenzo(a,h)anthracene

Concen: 1.672 ng/ul

RT: 26.673 min Scan# 5836

Delta R.T. -0.001 min

Lab File: BN024644.D

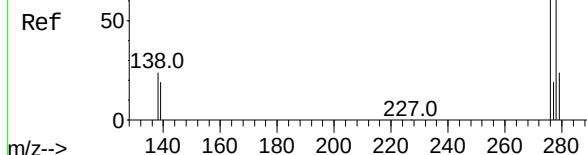
Acq: 30 Mar 2023 15:53

Instrument :

BNA_N

ClientSampleId :

SSTD1.6248



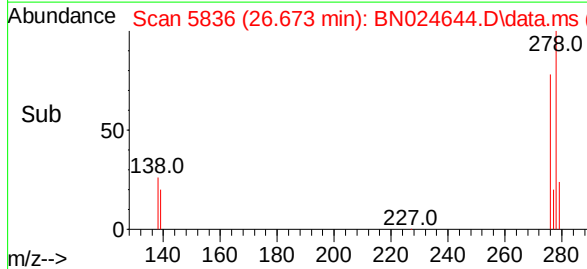
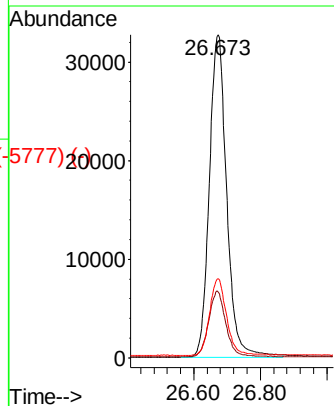
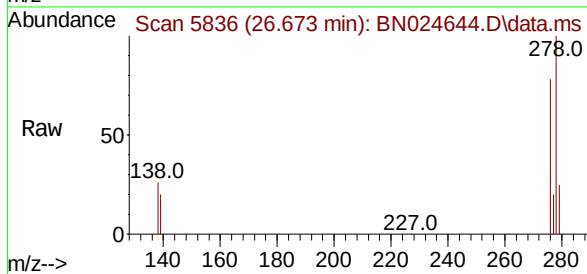
Tgt Ion:278 Resp: 118983

Ion Ratio Lower Upper

278 100

139 20.4 16.5 24.7

279 24.6 21.8 32.8



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

Benzo(g,h,i)perylene

Concen: 1.605 ng/ul

RT: 27.451 min Scan# 6068

Delta R.T. -0.001 min

Lab File: BN024644.D

Acq: 30 Mar 2023 15:53

Tgt Ion:276 Resp: 123880

Ion Ratio Lower Upper

276 100

138 26.0 21.4 32.2

277 23.9 19.8 29.6

